SAVED TO TRIM

CUSTOMER SERVICES
15 SEP 2011
RECEIVED

Hastings District Council
207 Lyndon Rd East, Hastings, 4122
Private Bag 9002, Hastings, 4156
Ph 871 5000, Fax 871 5115
amendments@hdc.govt.nz

HASTINGS DISTRICT COUNCIL

ABA20110794
APPROVED AMENDMENT # 3
Refer to previous plans for past endorsements
11/10/2011

AMENDMENT APPLICATION FORM

NOTE 1: This form must be completed and attached to every amendment you submit to Council.

NOTE 2: All additional fees will be charged and invoiced (payable) prior to receiving your Code Compliance Certificate.

NOTE 3: Council has the right to refuse incomplete applications. Please allow 20 working days for processing (Council will endeavour to prioritise all amendments), however if all required information is not supplied you may experience additional delays in obtaining your amended consent.

NOTE 4: Documentation submitted on CD or via email must be submitted in multi-page PDF format.

SECTION 1: OWNER/AGENT: this form must be completed by the owner or agent

Name of ☐ Owner ☑ Agent: Ellis Builders Ltd — Date: 13 September 2011

Building Consent Number **ABA**:20110794

Project Address: 14 Middle Road, Havelock North

How would you like to receive the approved amendments? ☑ Collect in person OR ☑ Email (limit 4 Mb) ☐ Post (if posted provide mailing address below)

Postal Address: P.O. Box 3181, Onekawa, Napier 4142

Owner's/Agent's contact details: Murray Benson

Landline: 835 8699 Mobile: 021 772 117 Email: ellis.builders@xtra.co.nz

SECTION 2 - AMENDMENT DESCRIPTION: comprehensive written description of changes this amendment is applicable to

Project Description - Reference sheet numbers amendments relate to (e.g. Sheets 3 & 8, Floor Plan and Bracing Plan - window W9 and Bracing element B3 positions swapped. Sheet 4, Western Elevation – window W9 repositioned)

1] Add steps to right hand end of accessible ramp - refer Sheet SO3

2] Bathroom off area 1 now adult toilet pan in lieu of 'junior' – refer Sheet SO3

3] Ablution between Area 2 & 3 layout 'mirrored' plus addition of Caroma Valette basin at adult height – refer Sheet SO3 and Caroma detail attached

4] Accessible toilet remains set out as per NZS 4121:2003 but with addition of a Junior toilet pan in a new added recess – refer Sheet SO3

5] Add a wash trough in Area 4 (same as the one in ablution between Areas 2 & 3) – refer Sheet SO3

6] Kitchen/Laundry spaces "mirrored" with externally mounted Dux 160 litre hot water cylinder – Refer Sheet SO3 and Data Sheet attached

7] Due to the above there has been some minor changes to the bracing elements and these are shown on the attached reworked Gib Ezybrace spreadsheet , revised sheet SO8, and accompanying literature.

SECTION 3: PLANS: include references to all sheet numbers with changes and highlight around the changes on the drawings/plans

1 copy of all plans. The plans must be:

Drawn clearly to scale (ruled, not sketched)	(Yes)	No	N/A	Clear and concise copies (*not reduced in size)	(Yes)	No	N/A
On plain white, preferably A3* paper	(Yes)	No	N/A	Include the designers name	(Yes)	No	N/A
Drawn in ink (not pencil)	(Yes)	No	N/A	Engineering details are drawn	Yes	No	(N/A)
Changed Sheet Numbers referenced	(Yes)	No	N/A	Changes highlighted on all drawings/plans (ballooned/clouded)	(Yes)	No	N/A

SECTION 4: SPECIFICATIONS: new specifications relevant to changes provided

Specific design calculations & details	Yes	No	(N/A)	Identify compliance with the NZ Building Code	Yes	No	(N/A)
Structural calculations & producer statements BRACE CALCS	(Yes)	No	N/A	List all Alternative Solutions	Yes	No	(N/A)
Fire safety systems	Yes	No	(N/A)	Alternative solutions calculations / producer statements	Yes	No	(N/A)
Details of all materials, fittings and installation requirements for these amendments					(Yes)	No	N/A

Office use

Handling Officer: Property ID:

Amendment application form: Completed by the ☐ owner ☐ agent on behalf of and with written authority from the owner — Yes / No

If calling ask for Colin Hornett
TRIM Ref: **71557#0049**

ABA20110794
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11/10/2011

HASTINGS DISTRICT COUNCIL

10 October 2011

Ellis Builders Ltd
PO Box 3181
Hawkes Bay Mail Centre
NAPIER 4142

Dear Ellis Builders Ltd

Building Consent No: **ABA20110794**
Proposal: **Change of Use to Extend House for Child Care Centre & Remove Garage**
Building Project at: **14 Middle Road HAVELOCK NORTH 4130**

Following your request for an amendment to the above consent, please find the approved plans appended and the revised conditions and/or inspections listed below if applicable:

Amendment Granted – No Additional Conditions or Inspections

All existing conditions and inspections specified in the approved Building Consent still apply.
The amendment is approved with no additional conditions or inspections.

The processing costs incurred, and any extra inspections required as a result of the amendment, will be charged to you prior to the issue of a Code Compliance Certificate.

Should you have any questions in relation to this matter then please do not hesitate to call me at (06) 871 5137.

Yours sincerely

Colin Hornett
Building Officer
bcinfo@hdc.govt.nz

APPENDIX 1 – AMENDMENT CRITERIA SHEET

- Definition: an amendment is a variation or change to Building Consent documents that have been approved by Council.
- A review of the Amendment Application is carried out by the Prelodgement Team who decide whether:
  - they will process it as a Minor Amendment;
  - to forward it to the Processing Team as a Standard Amendment. All decisions as to whether an application is to be treated as an amendment or as a new building consent application are made by the Prelodgement Team.
- Amendments other than those noted below are lodged as a new building consent application.

Minor Amendment Quick approval by Prelodgement Team. Requires no additional inspections or conditions. Record processing time only - generally 30 minutes max. Plans scanned, processed, approved and printed.	**Standard Amendment** Entered as an amendment in Council's system. Processed by Processing Team. Referral to all departments as required. All teams record processing time only. New documents scanned/profiled to TRIM.
Minor bracing amendments that do not affect the bracing calculations, requiring a minimal check of the revised layout plan.	No increase of footprint or bulk to the building. Supply new Floor Plan and relevant details
Amendment of lintel type or size, if not load bearing. Details of changes are included in a revised floor plan.	Change of type of window or door joinery
Change of roofing type (brand), e.g. light for light or heavy for heavy. Supply details of batten change on new cross section if applicable, including manufacturer's specifications/details.	Changes to any structural components. Supply relevant calculations and producer statements as necessary. Includes bracing or support of any components.
Service room (i.e. bathroom, laundry or toilet) layout change of fixtures. Supply new 'Floor Plan' (including drainage details)	Cladding changes outside the scope of **Minor Works** e.g. where risk matrix score would require a cavity or where plastering and cladding are affected.
Decks less than 1000mm above GL if not in conflict with 'District Plan' requirements. Supply full details of an assurance the deck is not interfering with cladding durability and sub-floor access, ventilation or underground services e.g. drainage.	Changes to sewerage treatment systems. Changes to solar, wetbacks, hot water heating systems, instantaneous, infinity, gas etc. Supply new fully detailed layout plan (of professional standard).
Change of plumbing system, from 'G12/G13' to 'AS3500' or vice-versa, this may require referral to Officer with P&D experience.	Changes that will require an adjustment to the levies for services or value related levies. If the value of the work was less than $20K and amendment takes it over.
Change of solid fuel heater brand/model. Supply full manufacturer's details of revised type (including emission/efficiency rates). A new floor plan is required if in a different location.	Non Major changes that may affect the approved 'Fire Design' Features e.g. fire alarms, suppression. Supply full details with clear indication of proposed changes.
Minor change to specifications. Supply amended pages only, with clear indicators of the change/s.	Changes to access into buildings e.g. stairs, landings.
Concrete foundation type change, i.e. blocks to In-situ concrete or vice-versa. Supply new cross section and details.	
Cladding changes of same type but different manufacturer. Supply new product specifications / details.	

NOTES GENERAL

ALL WORK TO BE IN ACCORDANCE WITH THE BUILDING ACT AND NZS3604:1999
AND TO MANUFACTURERS SPECIFICATIONS AND INSTALLATION DETAILS

ALL DIMENSIONS ARE TO BE CONFIRMED ON-SITE BEFORE PROCEEDING WITH ANY CONSTRUCTION

TIMBER GRADING AND TREATMENT

ALL TIMBER WALL FRAMING AND DOOR AND WINDOW REVEALS TO BE SG8 GRADE H1.2
EXCEPT WHERE NOTED OTHERWISE.

WALL AND ROOF INSULATION

PINK BATT INSULATION REQUIRED TO WALLS AND CEILINGS.
R2.8 TO CEILINGS AND R2.4 TO WALLS
EXPOL INSULATION TO SUBFLOOR

ACCESSIBLE ROUTES AND SIGNAGE

1. ACCESS TO THE BUILDING TO BE WHERE SHOWN WITH ACCESS SIGNAGE.
MAXIMUM THRESHOLD STEP TO BE 20mm

2. ACCESS SIGNAGE TO BE WHERE SHOWN ON THE FLOOR PLAN. ALL SIGNAGE
TO BE IN ACCORDANCE WITH NZS 4121:2001 AND F8 OF THE BUILDING CODE.

FIRE SAFETY

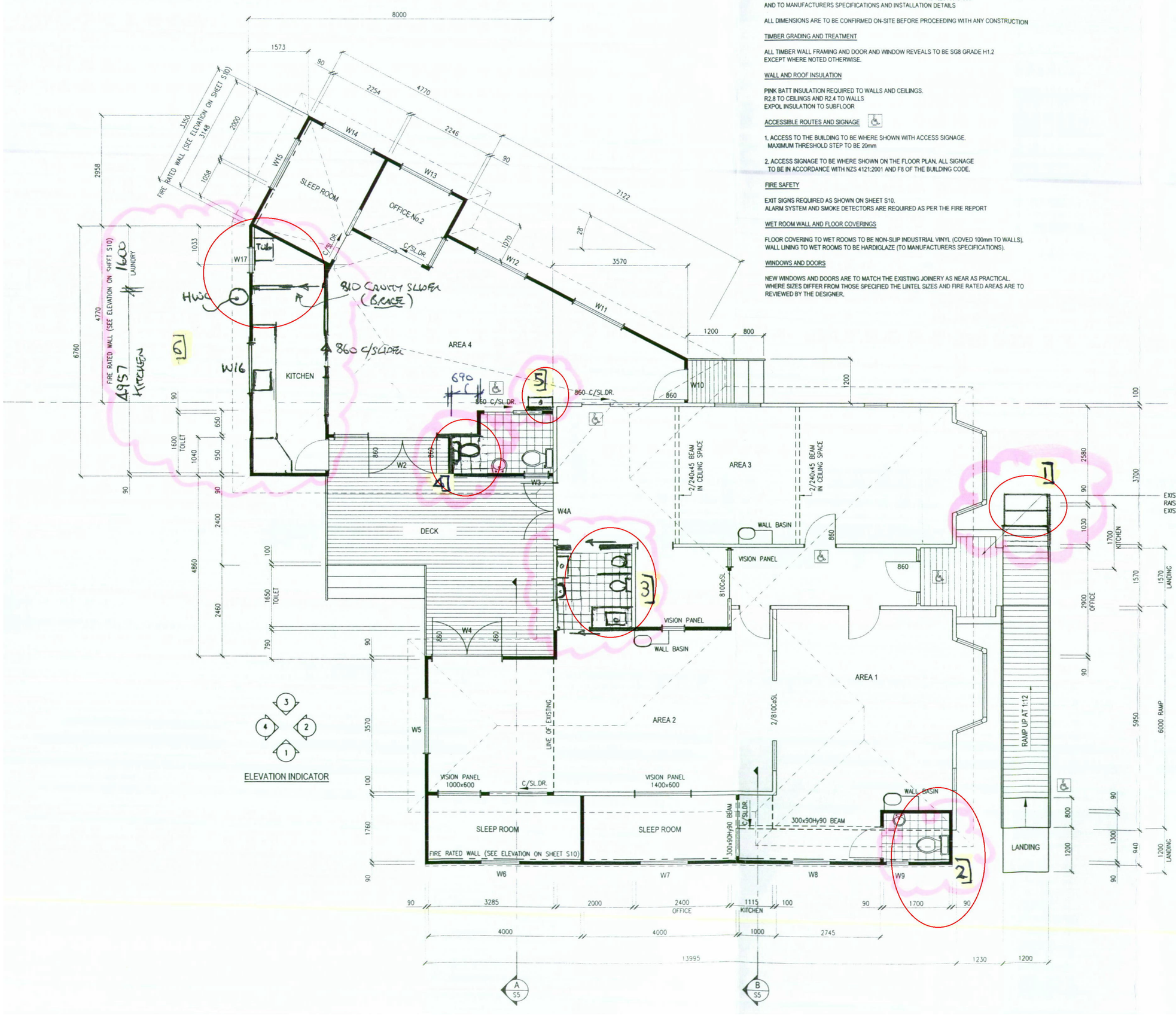
EXIT SIGNS REQUIRED AS SHOWN ON SHEET S10.
ALARM SYSTEM AND SMOKE DETECTORS ARE REQUIRED AS PER THE FIRE REPORT

WET ROOM WALL AND FLOOR COVERINGS

FLOOR COVERING TO WET ROOMS TO BE NON-SLIP INDUSTRIAL VINYL (COVED 100mm TO WALLS).
WALL LINING TO WET ROOMS TO BE HARDIGLAZE (TO MANUFACTURERS SPECIFICATIONS).

WINDOWS AND DOORS

NEW WINDOWS AND DOORS ARE TO MATCH THE EXISTING JOINERY AS NEAR AS PRACTICAL.
WHERE SIZES DIFFER FROM THOSE SPECIFIED THE LINTEL SIZES AND FIRE RATED AREAS ARE TO
REVIEWED BY THE DESIGNER.



EXISTING ENTRY FLOORING TO BE RAISED TO WITHIN 20mm OF EXISTING FLOOR LEVEL.

ELEVATION INDICATOR

ABA20110794
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PLAN SHOWING SUMMARY OF CHANGES SHOWN ON "AMENDMENT APPLICATION FORM" DATED 13/09/11

ABA 20110794

REV	DATE	BY	REASON
1	10.8.11	MF	REVISED LAYOUT
0	22.7.11	MF	FOR BUILDING CONSENT

RFR Building Design & Project Management
PO Box 3410 Napier
Phone 06 842 1014 Fax 06 842 1015

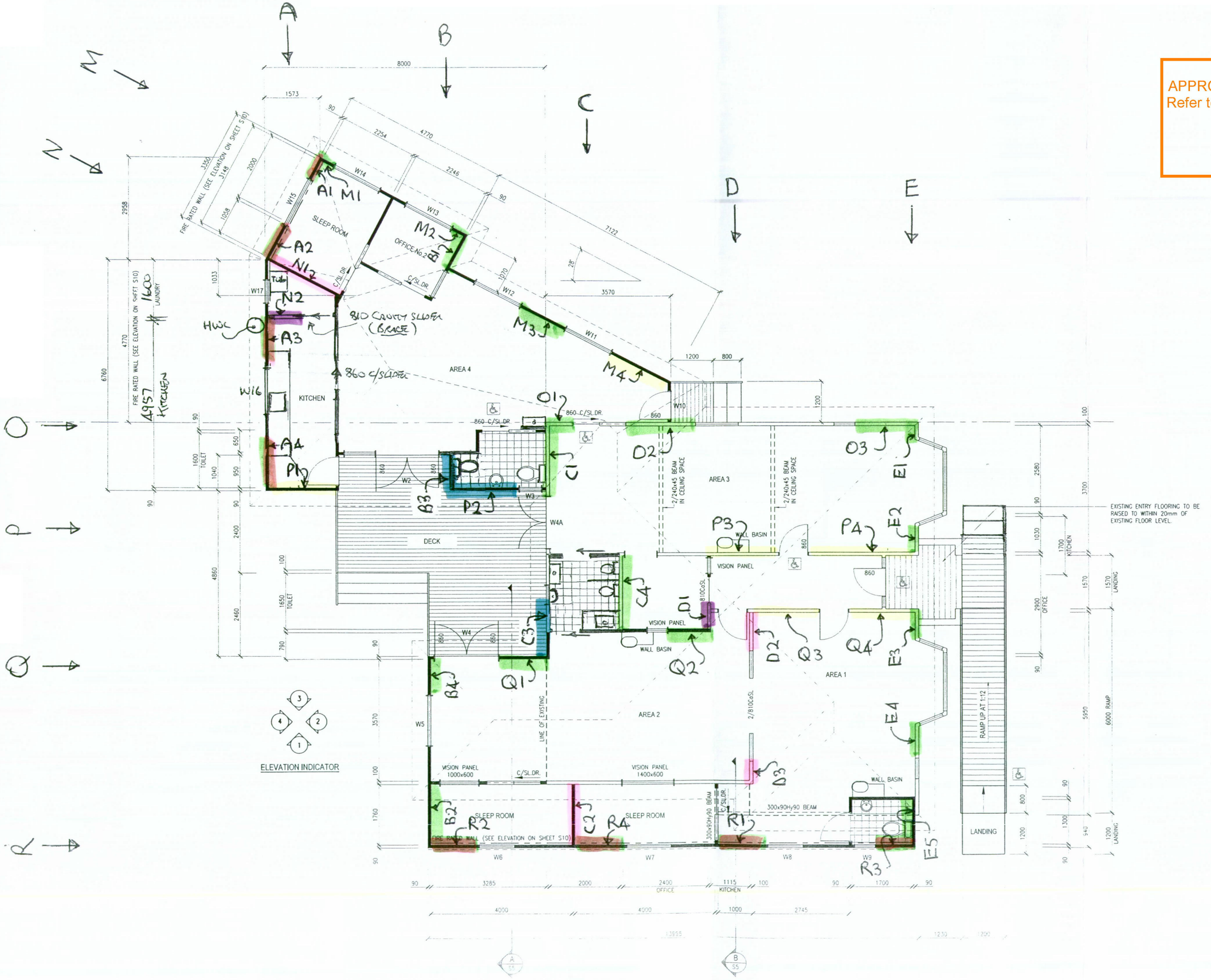
Project Details

PROPOSED ALTERATIONS
PARENT AND CHILD
14 MIDDLE ROAD

Sheet Title

PROPOSED FLOOR PLAN

Drawn	MF	Scale	1:50 (ON A1)
Approved	MF	Filename	11032
Job No	11032	Sheet No	S03
Rev	2		



All dimensions to be verified on site before making any shop drawings or commencing any work.
The copyright of this drawing remains with RFR Building Design and Project Management Ltd.

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GLG-N
BLI-H
BLG-H
BRACE CAVITY
EPI
SEE BELOW

SPECIAL NOTE:

BRACES A1, A2, A3, A4, R1, R2, R3, R4 ARE TWO LAYERS OF 13MM FYRELINE. FIRST LAYER FIXED WITH 32MM X 6G GIB GRABBER SCREWS @ 100MM CENTRES TO PERIMETER AND CORNERS AS PER EZYBRACE PATTERN

RFR Building Design & Project Management
PO Box 3410 Napier
Phone 06 842 1014 Fax 06 842 1015

Project Details

PROPOSED ALTERATIONS
PARENT AND CHILD
14 MIDDLE ROAD

Sheet Title

BRACING PLAN
08/09/11

MF 1:50 (ON A1)
MF 11032

11032 S08

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11/10/2011

IMPORTANT

.02 M² not enough

CREATE DOOR OPENING (NO DOOR - FRAME ONLY)

NOTE

290x90 Hollow Core Door load only

DOORS MUST HANG FLUSH ON BAY WINDOW SIDE OF LINTEL TO ACHIEVE REQUIRED ROOM SIZES

ALL HAND WRITTEN MEASURES ARE GIB TO GIB (unless marked S to S

THE BUILDING ACT AND NZS3604:1999
ONS AND INSTALLATION DETAILS

D ON-SITE BEFORE PROCEEDING WITH ANY CONSTRUCTION

TIMBER GRADING AND TREATMENT

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WINDOWS AND DOORS

NEW WINDOWS AND DOORS ARE TO MATCH THE EXISTING JOINERY AS NEAR AS PRACTICAL. WHERE SIZES DIFFER FROM THOSE SPECIFIED THE LINTEL SIZES AND FIRE RATED AREAS ARE TO REVIEWED BY THE DESIGNER.

34.17 m² Actual
34.0 m² Required
AREA 4

36.86 m² Actual
36.8 m² Required
AREA 3

35.65 m² Actual
33.0 m² Required
AREA 2

32.1 m² Actual
32.0 m² Required
AREA 1

2.8m² Required
2.8m² Actual

7.06m² A
7.0m² R
SLEEP ROOM

5.188 A
4.2 R
SLEEP ROOM

7.05m² A
7.0m² R
SLEEP ROOM

OFFICE No.2

LAUNDRY

KITCHEN

TOILET

DECK

OFFICE

LANDING

RAMP UP AT 1:12

WALL BASIN

VISION PANEL

FIRE RATED WALL (SEE ELEVATION ON SHEET S10)

ELEVATION INDICATOR

EXISTING ENTRY FLOORING TO BE RAISED TO WITHIN 20mm OF EXISTING FLOOR LEVEL

CAROMA VALETTE BASIN AND ECHO MIXER

'TUB' DETAILS

VARIATIONS 21/09/11
(REQUEST BY CLIENT)

1. Add Caroma Valette Basin with Echo Mixer
2. Reconfigure Sleep rooms including 290x90 Lintel as NZS 3604:2011 Fig. 8.3 and Table 8.9
3. Add Bifolding doors in Area 3 to screen off Bay Window. Lintel Same size as other new ones in ceiling space - Carrying door load only (hollow core) and own weight.
4. Add Wash tub to deck area as attached detail - Cold and Tempered water. Fit hold back/door stop so french door opens 90°
5. Create opening between Office No 2 and Sleep room (no door). No bracing affected.
6. Reduce width of lean-to area from 1760 to 1625 to retain 1500 from side boundary

REV	DATE	BY	REASON
	10.8.11	MF	REVISED LAYOUT
0	22.7.11	MF	FOR BUILDING CONSENT

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Drawn	Scale	
MF	1:50	(ON A1)
Approved	Filename	
MF	11032	
Job No	Sheet No	Rev
11032	S03	3

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CEILING
BLI-H
BLG-H
BRACE CAVITY
EPI
SEE BELOW

SPECIAL NOTE:

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PROPOSED ALTERATIONS
PARENT AND CHILD
14 MIDDLE ROAD

Sheet Title

BRACING PLAN
08/09/11

MF 1:50 (ON A1)
MF 11032

11032 S08

caroma®

CI/SfB (74.2) n6
Date July 2008
Supersedes all previous issues

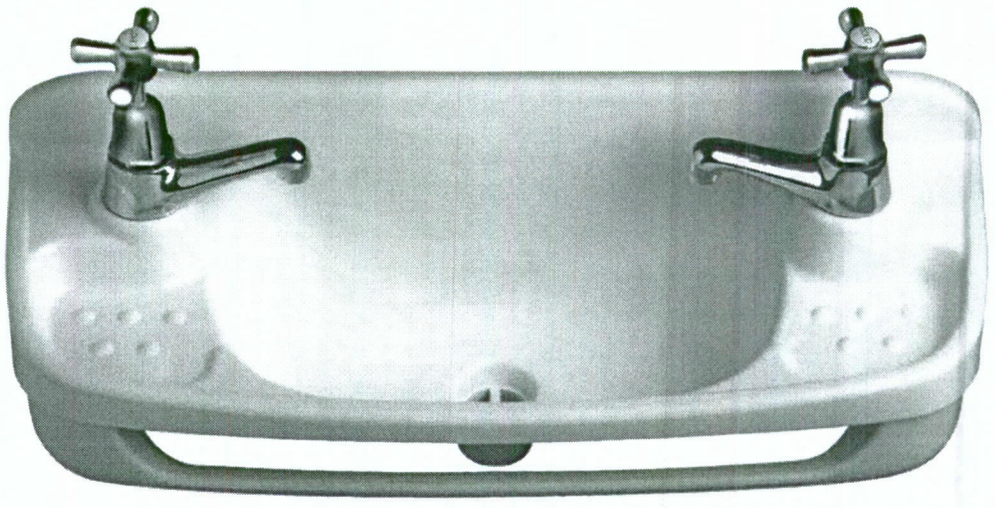
1.20.1

Valette

Plastic
Hand Rinse Basin

Nominal Size 560mm x 204mm

Refer Sheet S03 'Cloud' 3]



Valette

Plastic Hand Rinse Basin

Basin Size: 560mm x 204mm nominal

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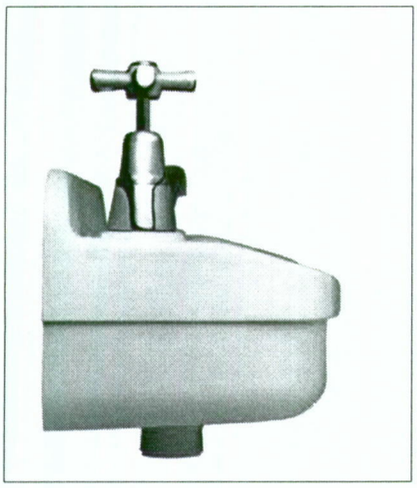


A compact hand rinse basin for general application incorporating a hand-towel rail conveniently located at the front of the basin and featuring a minimum projection-from-wall dimension of 204mm and an integrally moulded waste outlet.

Material: The Valette basin is injection moulded in polypropylene, a strong durable material with a high gloss finish which is easily maintained with a damp cloth or sponge.

Tap Holes: The basin is available standard with two holes only. A matching tap hole plug is included for one tap installation.

Waste Outlet: The waste outlet of 40mm Code No.317010 diameter is integral to the basin.

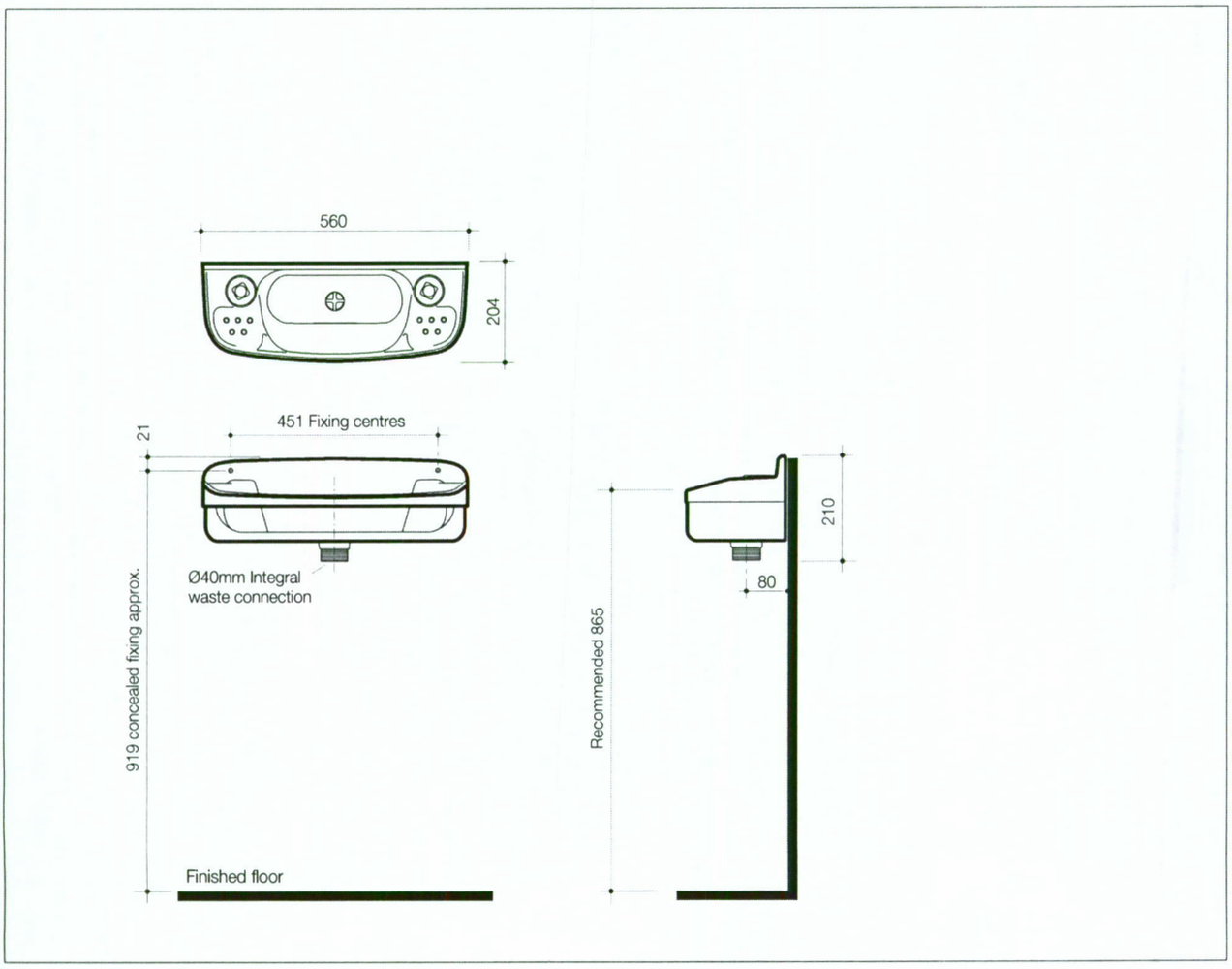
Bowl Capacity: 3.5 litres.

Overflow: Overflow not available.

Fixing: The Valette basin is secured to the wall with a matching wall bracket which incorporates the hand towel rail. Includes a waste-tie bracket. Four fixing screws and wall plugs are supplied with the basin. Code No.317260.

Colours: White only.

Dimensions: All dimensions are in millimetres and are subject to normal manufacturing variations. Caroma pursues a policy of continuing improvement in design and performance of its products. The right is therefore reserved to vary specifications without notice.



proflo™ electric storage (80 – 450L sizes*)

Why the Dux® electric storage systems are preferred

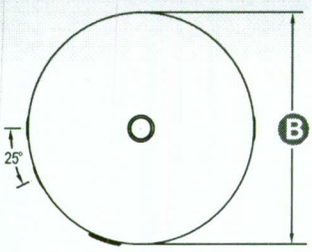
- Proflo™ 80L backed by a 5 year tank warranty
- Proflo™ 125, 160, 250, 315 & 400L backed by a 7 year tank warranty
- All tanks include 1 year full parts and labour warranty

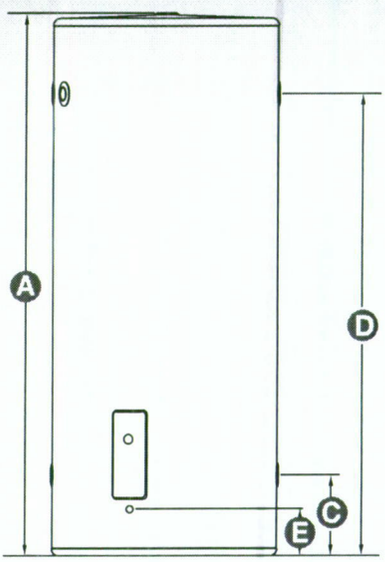
- Full flow pressure to all taps
- Easy installation – water connections on both sides of tank
- Low maintenance and long service life
- Positive domed technology
- Versatile – same unit can be installed indoors or out
- Hard wearing, tough polymer end plates resist damage and moisture
- Available in single element (315L and 400L also available in twin element)
- Steel tank features rock-hard Duro-namel™ vitreous enamel to maximise tank life and durability
- Dux is part of a publicly listed Australian company

Which Dux electric storage system is right for you?

NO. OF ADULTS & CHILDREN		CAPACITY
Cont. Tariff	Off Peak	
		80 L
		125 L
		160 L
		250 L
		315 L
		400 L

Adult icon can represent dishwasher or washing machine. An adult icon does not represent a spa bath.





DIMENSIONS	80	125	160	250	315	400
Ⓐ Overall Height	925	1062	1317	1444	1754	1703
Ⓑ Overall diameter	490	532	532	617	617	705
Ⓒ Cold Water Inlet	175	206	206	215	215	240
Ⓓ Hot Water Outlet	750	857	1112	1231	1541	1466
Ⓔ Electrical Entry	80	116	116	125	125	150

All dual-handed for ease of installation

SPECIFICATIONS	80F1	125S1	160S1	250S1	315S1	315S2 TWIN ELEMENT	400S1	400S2 TWIN ELEMENT
Storage Capacity (L)	90	128	164	259	324	324	416	416
Hot Water Delivery Rating (L)	80	125	160	250	315	315	400	400
Twin Element Boost Capacity (L)	-	-	-	-	40	40	70	70
Element Sizes (kW)	1.8, 2.4, 3.6	1.8, 3.6	2.4, 3.6	3.6	3.6	2 × 3.6 or 2 × 4.8	3.6	2 × 3.6
Net Weight Empty (kg)	40	48	59	88	103	103	114	114
Relief Valve Pressure (kPa)	1400	1400	1400	1000	1000	1000	1000	1000

All heaters operate at 240V AC single phase electricity supply.

*Note: 25L and 50L sizes also available. Contact 1300 365 116 for more information.

Contact Dux for your Hot Water Solutions

Sales: 1300 365 116 Service: 1300 365 115 Web Site: www.dux.com.au

WaterMark AS 3498 Lic WT15 Standards Australia

IP 34

0910

ABA 20110794

Parent and Child

Keith Redman

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GIB EzyBrace® 2011 Software

REVISED ACTUAL LAYOUT

SINGLE OR UPPER STOREY WALLS ALONG

V06/11

Lines		*Bracing Elements*							
1	2	3	4	5	6	7	8	9	10
Line Total Check	Line Label	Bracing Element No.	Available Wall Length L (m)	Angle to Bracing line (degrees)	Element Height H (m)	Bracing Type	Supplier	Bracing Units Achieved W	Bracing Units Achieved E
338	**a**	1	0.8	45	2.7	BL1-H	GIB®	55	51
		2	1	45	2.7	BL1-H	GIB®	74	65
		3	1.2		2.7	BL1-H	GIB®	128	111
		4	1.2		2.7	BL1-H	GIB®	128	111
427	**b**	1	1.1	45	2.7	BL1-H	GIB®	83	72
		2	1.7		2.7	BL1-H	GIB®	181	157
		3	1		2.7	EP1	Ecoply	107	107
		4	1		2.7	BL1-H	GIB®	105	92
784	**c**	1	1.9		2.7	BL1-H	GIB®	203	176
		2	1.7		2.7	BLG-H	GIB®	181	181
		3	2.1		2.7	EP1	Ecoply	224	224
		4	2.2		2.7	BL1-H	GIB®	235	203
251	**d**	1	0.9		2.7	Bracewall	vity Sliders	92	80
		2	1		2.7	BLG-H	GIB®	107	107
		3	0.6		2.7	BLG-H	GIB®	64	64
383	**e**	1	0.4		2.7	BL1-H	GIB®	32	36
		2	0.8		2.7	BL1-H	GIB®	77	73
		3	0.8		2.7	BL1-H	GIB®	77	73
		4	0.9		2.7	BL1-H	GIB®	91	82
		5	1.3		2.7	BL1-H	GIB®	139	120

					Wind	Earthq.
Totals Achieved	W	360%	EQ	104%	2382	2183
Timber Floor, design limit of 120 BU/m			***accepted***		*OK*	*OK*
Totals Required (from Demand)					662	2102

Parent and Child

Keith Redman

GIB EzyBrace® 2011 Software

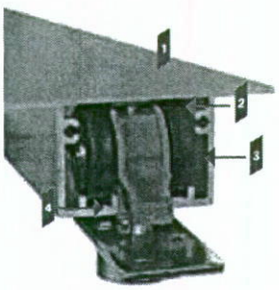
SINGLE OR UPPER STOREY WALLS ACROSS

V06/11

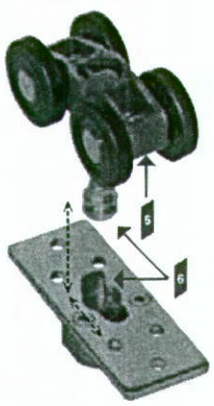
Lines		Bracing Elements							
1	2	3	4	5	6	7	8	9	10
Line Total Check	Line Label	Bracing Element No.	Available Wall Length L (m)	Angle to Bracing line (degrees)	Element Height H (m)	Bracing Type	Supplier	Bracing Units Achieved W	Bracing Units Achieved E
189	**m**	1	0.45	45	2.7	BL1-H	GIB®	26	28
		2	0.45	45	2.7	BL1-H	GIB®	26	28
		3	1	45	2.7	BL1-H	GIB®	74	65
		4	1.8	45	2.7	GS1-N	GIB®	78	68
238	**n**	1	2.1	45	2.7	BLG-H	GIB®	158	158
		2	0.9		2.7	Bracewall	vity Sliders	92	80
373	**o**	1	0.7		2.7	BL1-H	GIB®	64	63
		2	1.7		2.7	BL1-H	GIB®	181	157
		3	1.65		2.7	BL1-H	GIB®	176	153
555	**p**	1	1.9		2.7	GS1-N	GIB®	117	101
		2	1.8		2.7	EP1	Ecoply	192	192
		3	1.9		2.7	GS1-N	GIB®	117	101
		4	3		2.7	GS1-N	GIB®	184	160
433	**q**	1	1.4		2.7	BL1-H	GIB®	149	129
		2	1.1		2.7	BL1-H	GIB®	117	101
		3	2		2.7	GS1-N	GIB®	123	107
		4	1.8		2.7	GS1-N	GIB®	110	96
540	**r**	1	1.3		2.4	BL1-H	GIB®	156	135
		2	1.4		2.4	BL1-H	GIB®	168	146
		3	1		2.4	BL1-H	GIB®	118	103
		4	1.5		2.4	BL1-H	GIB®	180	156

					Wind	Earthq.
Totals Achieved	W	402%	EQ	111%	2607	2328
Timber Floor, design limit of 120 BU/m			***accepted***		*OK*	*OK*
Totals Required (from Demand)					648	2102

Why specify CS CavitySliderS?



Standard 2-wheel carriage, mounting plate and track



Standard 4-wheel carriage & mounting plate*

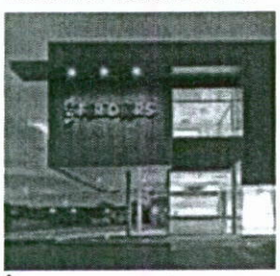
* NZ & Aust patents pending.

Service

The only New Zealand manufacturer of cavity sliders to have NZ covered with 4 branches.
All branches offer a free site measure & quote.

We're Local

CS FOR DOORS is 100% New Zealand owned & our products are 100% New Zealand Made.



Come see our door systems at CS FOR DOORS' NZIA Award winning Head Office and Showroom

Quality

Our aim is to make the best quality cavity sliders. Therefore every component is uniquely designed with this in mind.

Technology & Innovation

Our engineers focus on constantly developing new products & refining existing ones. That's why our products come with a number of unique features. A few exclusive **CS CavitySliderS** features (refer to pics on left):

1. Heavy duty one-piece extruded aluminium track.
2. Minimal clearance means carriages/wheels cannot jam or jump off the track.
3. Large diameter wheels with precision ground bearings make for smooth running.
4. Radiused track reduces friction & allows dust to be pushed into the little gutters so the door always slides smoothly.
5. 4-wheel carriages are standard on all doors over 90kg. Body made from cast stainless steel for strength & reliability.
6. **CarriSnaP** quick release system allows the door to be removed easily from cavity; no need to unscrew anything & lose door height adjustment.

Product Range

We have over 50 standard products, or if you have other ideas we can make to order.

Quality Assured

CS CavitySliderS are BRANZ appraised & CodeMark accredited.

Our Guarantee

WE GUARANTEE PRODUCT WITH OUR SERIAL CODES FOR UP TO TEN YEARS*

*Guarantee conditions apply. Contact CS FOR DOORS for details.

Check out the full range of products and use our on-line calculator at:

www.csfordoors.co.nz

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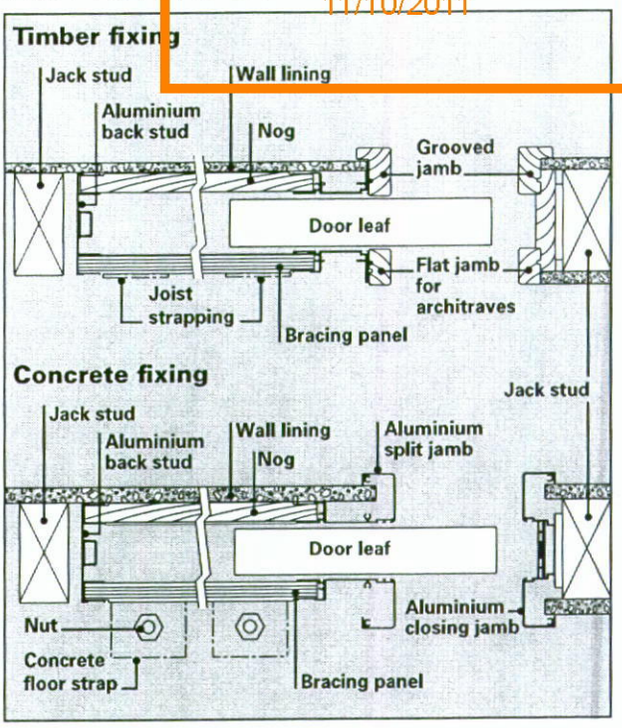
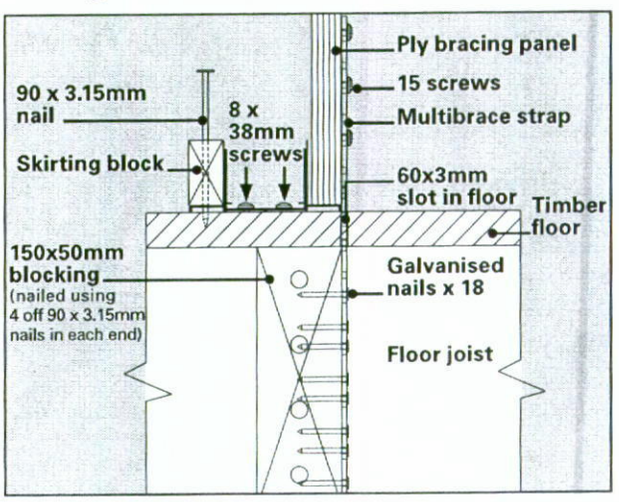
Refer to previous plans for past endorsements
11/10/2011

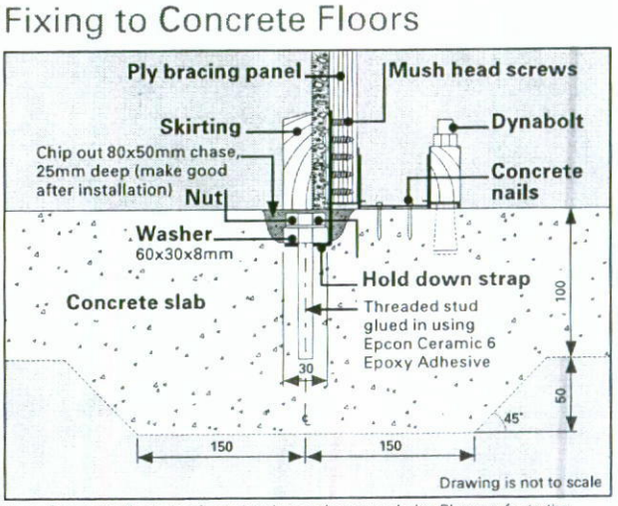
Plan view (CAD)



Fixing to Timber Floors



Fixing to Concrete Floors



Note: Some detail missing from drawings to increase clarity. Please refer to the installation instructions for further information. Drawings are not to scale.
All dimensions are in mm.

3.2 ECOPLY® & SHADOWCLAD® BRACING SPECIFICATIONS SUMMARY

Carter Holt Harvey® Woodproducts has a range of bracing specifications called the EP bracing system. The EP bracing system includes the design and construction of bracing elements using plywood, by itself or in conjunction with GIB® Plasterboard.

- Higher bracing performance per metre than historical SP elements
- Reduced number of element types and simplified naming system
- Single sided and double sided bracing elements
- Special EPGs bracing element design for where plywood cladding comes to soffit line within 300 mm of top plate
- High performance bracing element utilising GIB® Standard plasterboard
- A single type, GIB Handibrac®, hold-down for all bracing elements
- Direct fix or cavity construction
- Simplified construction
- Specifications for each bracing element type

TABLE 9: SUMMARY P21 RATINGS FOR 2.4 M HIGH ECOPLY® AND SHADOWCLAD® WALL ELEMENTS

Specification No.	Minimum Wall Length	Lining Requirements	BUs/m Wind	BUs/m Earthquake
EP1	0.6 m	7 mm Ecoply or 12 mm Shadowclad® one side	125	130
EP2	0.6 m	7 mm Ecoply or 12 mm Shadowclad each side	140	150
EPG	0.4 m	7 mm Ecoply or 12 mm Shadowclad one side and 10 mm GIB® Standard plasterboard other side	100	115
	1.2 m		150	150
EPGs	0.4 m	7 mm Ecoply or 12 mm Shadowclad one side* and 10 mm GIB® Standard plasterboard other side	100	115
	1.2 m		150	120

* Plywood side of element must be a maximum of 300 mm below top plate

Note: Bracing and other technical information has been specifically tested using Ecoply and Shadowclad branded structural plywood. This information cannot be used with any other plywood brand and bracing data must be sought directly from the specific plywood manufacturer.

More information

The following pages provide a full specification of EP bracing elements. Copies of specifications can be down loaded from www.chhwoodproducts.co.nz

NZS 3604 provides the method of calculating demand on a building and calculation sheets are available from BRANZ or GIB® EzyBrace™ software is available as a free download from www.gib.co.nz. Information is available at www.chhwoodproducts.co.nz which can be placed in the custom elements of GIB® EzyBrace™ for ease of calculation.

Ecoply® Bracing Systems are designed to meet the requirements of the NZBC and have been tested and analysed using the P21 method referenced in NZ3604 listed as an acceptable solution B1/AS1 Structure. Testing was carried out using Ecoply, Shadowclad and Laserframe MSG8 timber framing manufactured by Carter Holt Harvey Limited trading as Carter Holt Harvey Woodproducts New Zealand, and GIB® products manufactured by Winstone Wallboards Ltd. Substituting materials may compromise performance of the system. GIB® and GIB HandiBrac® are registered trade marks of Fletcher Building Holdings Ltd.

3.3 ECOPLY® BRACING SPECIFICATION – EP1

SINGLE SIDED STRUCTURAL PLYWOOD BRACE

Specification No.	Minimum Wall Length	Lining Requirements	BUs/m Wind	BUs/m Earthquake
EP1	0.6 m	7 mm Ecoply® or 12 mm Shadowclad® on one side	125	130

Framing

Wall framing must comply with:

- NZBC B1 - Structure: AS1 Clause 3 Timber (NZS3604)
- NZBC B2 - Durability: AS1 Clause 3.2 Timber (NZS3602)

Framing dimensions and height are as determined by the NZS3604 stud and top plate tables for load bearing and non load bearing walls. Kiln dried verified structural grade timber must be used. Machine stress graded timber, such as Laserframe®, is recommended.

Bottom plate fixing

Use GIB Handibrac® hold-down connections at each end of the bracing element. Refer to installation instructions supplied with the connectors for correct installation instructions and bolt types to be used for either concrete or timber floors. Within the length of the bracing element, bottom plates are fixed in accordance with the requirements of NZS 3604:1999.

Lining

One layer 7 mm Ecoply structural plywood or 12 mm Shadowclad exterior wall cladding fixed directly to framing or over cavity battens. If part sheets are used, ensure nailing at required centres is carried out around the perimeter of each sheet or part sheet. A 2-3 mm expansion gap should be left between sheets.

Fastening the Ecoply®

Fasteners

Fasten with 50 x 2.8 mm galvanised or stainless steel flat head nails for direct fix or 60 x 2.8 mm over cavity battens. Place fasteners no less than 7 mm from sheet edges.

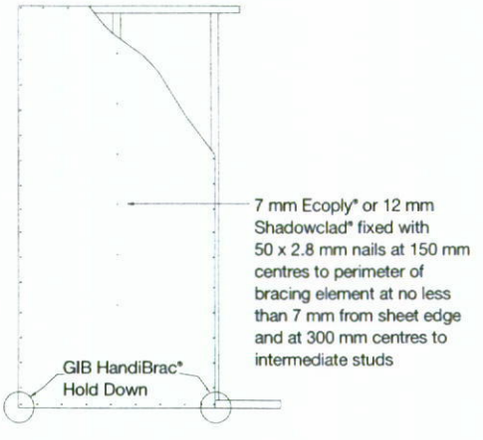
Fasteners for H3.2 CCA treated Ecoply

Where fasteners are in contact with H3.2 CCA treated timber or plywood, fasteners shall be a minimum of hot dip galvanised.

In certain circumstances stainless steel fasteners may be required. Refer to section 4 of NZS3604 for these circumstances.

Refer to Table 8 for further fastener selection advice.

Where stainless steel nails are required, annular grooved nails must be used.



Fastening centres

Fasteners are placed at 150 mm centres around the perimeter of each sheet and 300 mm centres to intermediate studs.

Fastening to cavity battens

The brace element may be fixed over cavity battens.

The cavity battens must be a minimum of 40 x 20 mm nailed staggered formation at 150 mm centres to studs around the perimeter of the brace element, and nailed to the intermediate studs within the element at 300 mm centres, with 50 mm x 2.8 mm flat head galvanised or annular grooved stainless steel nails.

Ecoply® Bracing Systems are designed to meet the requirements of the NZBC and have been tested and analysed using the P21 method referenced in NZ3604 listed as an acceptable solution B1/AS1 Structure. Testing was carried out using Ecoply, Shadowclad and Laserframe MSG8 timber framing manufactured by Carter Holt Harvey Limited trading as Carter Holt Harvey Woodproducts New Zealand, and GIB® products manufactured by Winstone Wallboards Ltd. Substituting materials may compromise performance of the system. GIB® and GIB HandiBrac® are registered trade marks of Fletcher Building Holdings Ltd.

Permitted GIB® Plasterboard Substitutions In GIB® Ezybrace® Systems

GIB EzyBrace® Systems have been tested and appraised using only the products specified above. Occasionally additional properties may be required from bracing elements which need to be provided by a different GIB® Plasterboard product. The following chart provides acceptable substitution options

Refers to Braces
A1, A2, A3, A4
R1, R2, R3, R4

Specified board	Permitted alternative GIB® Plasterboards												
	GIB® Standard		GIB Ultraline®		GIB Braceline® GIB Noiseline®		GIB Aqualine®		GIB Toughline®	GIB Fyreline®			
	10	13	10	13	10	13	10	13	13	10	13	16	19
10mm GIB® Standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Note 2	
13mm GIB® Standard	✗	✓	✗	✓	✗	✓	✗	✓	✓	✗	✓		
10mm GIB Braceline®	✗	✗	✗	✗	✓	✓	Note 1		✓	✗	Note 2		
13mm GIB Braceline®	✗	✗	✗	✗	✗	✓	✗	Note1	✓	✗			

NOTE 1 Use GIB Braceline® nails or screws at 100mm centres to the perimeter of the bracing element. The element must be 900mm or longer. Corner fixing detail applies, including hold downs.

NOTE 2 The fastener type and length must be as specified for the relevant FRR system. Fastening centres are at 100 mm around the perimeter of the bracing element. The element must be 900mm or longer. Corner fixing detail applies, including hold downs.

Timber or Steel Frame
(60)/60/60
LB/NLB

Universal Walls – One Way FRR – Timber or Steel Frame

JANUARY 2006

ABA20110794
APPROVED AMENDMENT # 3
Refer to previous plans for past endorsements
11/10/2011

SPECIFICATION NUMBER	LOADBEARING CAPACITY	FIRE RESISTANCE RATING	LINING REQUIREMENTS	
GBUW 60a	LB/NLB	(60)/60/60	2 x 13mm GIB Fyreline® one side	Cladding systems not incorporating foamed polymerics
GBUW 60b			~~1 x 16mm + 1 x 13mm GIB Fyreline® one side~~	Any cladding system

FRAMING AND WALL HEIGHT

Timber or steel frame designed to meet durability and structural criteria for strength and serviceability under dead and live loads.
The stud width shall be 35mm minimum with a depth of 90mm minimum.
Stud spacing at 600mm centres maximum.
Frame height and dimensions as determined by NZS 3604 stud tables or specific design.

LINING (FIRE SIDE)

GBUW 60a – 2 layers of 13mm GIB Fyreline® to one side of the frame.
GBUW 60b – 1 layer of 16mm plus 1 layer of 13mm GIB Fyreline® to one side of the frame.
Full height sheets shall be used where possible.
Sheets shall be touch fitted.
Offset joints in double layered systems by 600mm.
When sheet end butt joints are unavoidable, they shall be formed over nogs.
All sheet joints must be formed over framing.
In steel framed options, linings are fixed hard to floor.

JOINTING

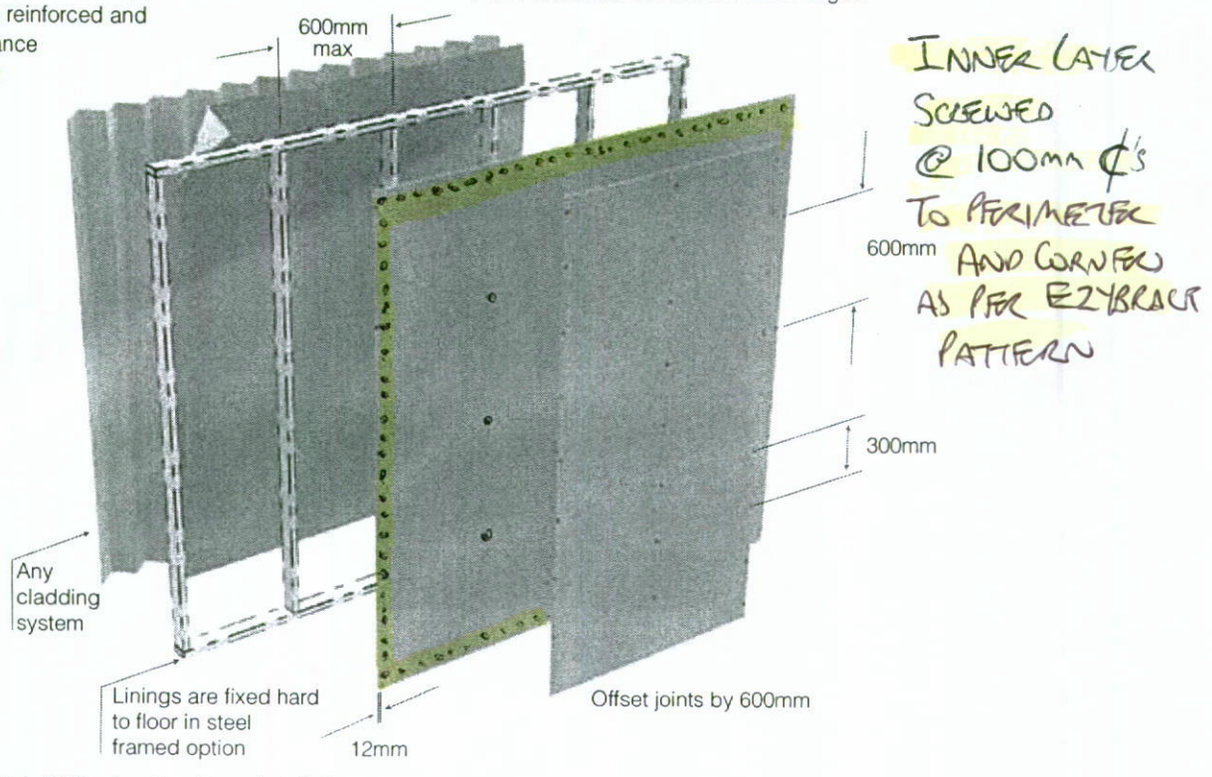
INNER LAYER: Unstopped
OUTER LAYER: All screw heads stopped and all sheet joints tape reinforced and stopped in accordance with the publication entitled "GIB® Site Guide".

FASTENING THE LINING

Fasteners

SYSTEM	TIMBER FRAME	STEEL FRAME
GBUW 60a		
Inner layer Refer Below	32mm x 6g GIB® Grabber® High Thread Drywall Screws, or 30mm x 2.8mm GIB® Nails	25mm x 6g GIB® Grabber® Drywall Self Tapping Screws
Outer layer	41mm x 6g screws as above or 40mm x 2.8mm GIB® Nails	41mm x 6g screws as above
GBUW 60b		
Inner layer (16mm GIB Fyreline®)	32mm x 6g screws as above or 40mm x 2.8mm GIB® Nails	32mm x 6g screws as above
Outer layer (13mm GIB Fyreline®)	51mm x 7g screws as above	41mm x 6g screws as above

Fastener Centres
INNER LAYER: 600mm centres up each stud.
OUTER LAYER: 300mm centres up each stud.
Place fasteners 12mm from sheet edges.



In order for GIB® systems to perform as tested, all components must be installed exactly as prescribed. Substituting components produces an entirely different system and may seriously compromise performance. Follow system specifications.

Bottom Plate Fixing

JUNE 2011

Bottom plate fixings for GIB® Bracing Elements			
Brace type	**Concrete slabs**		**Timber floors**
	External wall	**Internal wall**	**External and internal walls**
GS1-N	As per NZS 3604:2011. No specific additional fastening required	As per NZS 3604:2011. Alternatively use 75 x 3.8mm shot-fired fasteners with 16mm washers, 150mm and 300mm from each end of the bracing element and at 600mm thereafter.	Pairs of 100 x 3.75mm flat head hand driven nails or 3 / 90 x 3.15mm power driven nails at 600mm centres in accordance with NZS 3604:2011
GS2-N	Not applicable		
GSP-H BL1-H BLP-H	Intermediate fastenings to comply with NZS 3604:2011. In addition: GIB Handibrac® fixings or metal wrap-around strap fixings and bolt as illustrated on pages 19 and 20.		Pairs of 100 x 3.75mm flat head hand driven nails or 3 / 90 x 3.15mm power driven nails at 600mm centres in accordance with NZS 3604:2011. In addition: GIB Handibrac® fixings or metal wrap-around strap fixings and bolt as illustrated below.
BLG-H	Not applicable	As for GSP-N, BL1-H, BLP-H on concrete slab above	

GIB

Some of these Gib data sheets may already be part of the converted information.

Develo
tested
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IMENDED METHOD

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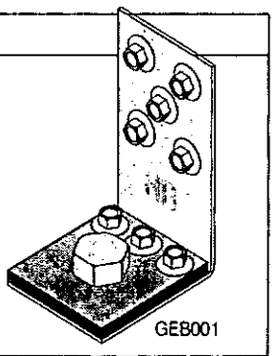
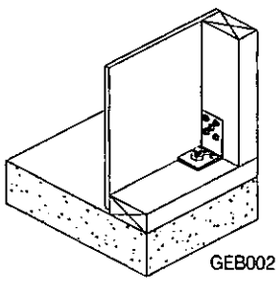
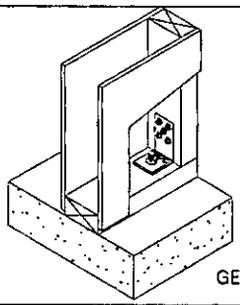
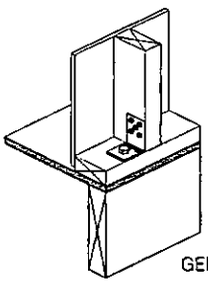
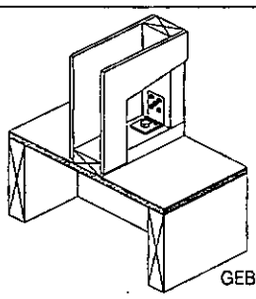
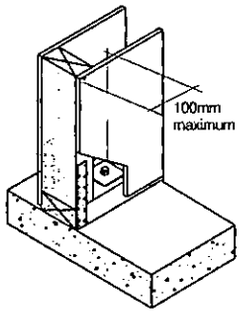
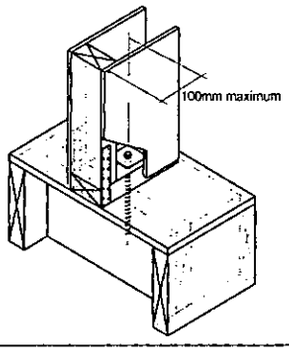
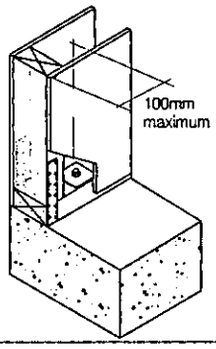
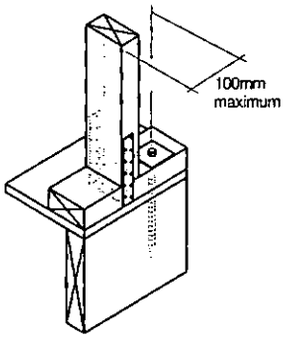
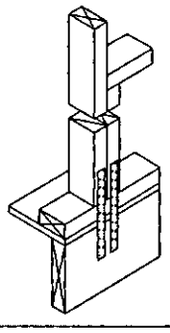


Conci | **mber Floor**

External walls		**xternal walls**	**Internal walls**
 GEB002	 GEB003	 GEB004	 GEB005
Position GIB HandiBrac® as close as practicable to the internal edge of the bottom plate	Position GIB HandiBrac® at the stud / plate junction	Position GIB HandiBrac® in the centre of the perimeter joist or bearer	Position GIB HandiBrac® in the centre of floor joist or full depth solid block
Hold-down fastener requirements			
A mechanical fastening with a minimum characteristic uplift capacity of 15kN.		12x150mm galvanised coach screw	

Refer to gib.co.nz/cad for CAD details.

Panel Hold-down Details

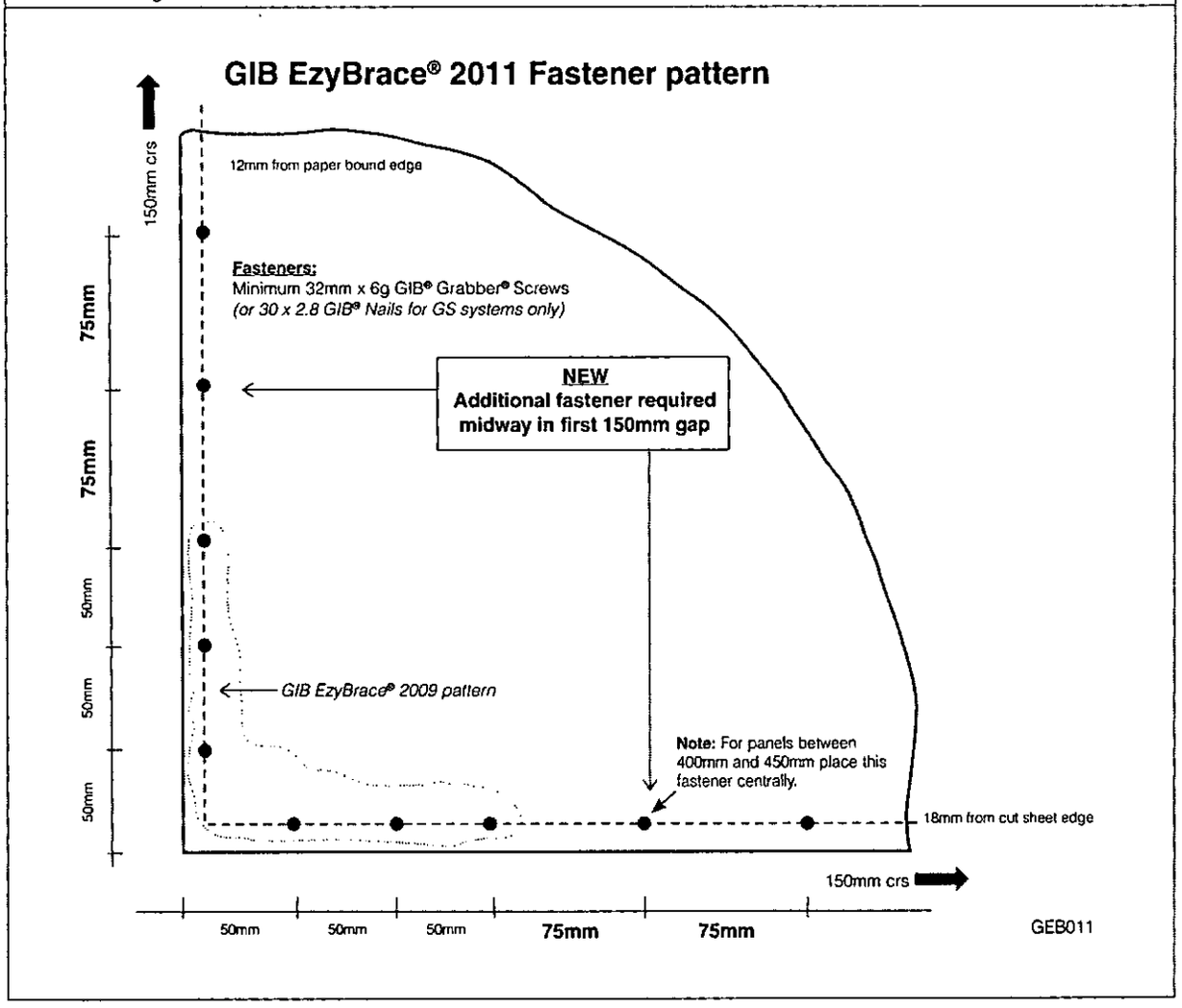
Bracing strap Installation	
Care needs to be taken with the installation of the bracing strap. It should be checked in to be flush with the face of the stud providing a flat substrate for the plasterboard. It should be positioned in such a way that the important corner fastenings of the bracing element are not affected by it. Keeping the strap to the edge of the end stud as shown will allow the important corner fastenings to be installed without having to penetrate the bracing strap.	
Concrete Floor	**Timber Floor**
400 x 25 x 0.9mm galvanised strap to pass under the plate and up the other side of the stud. Six 30x2.5mm flat head galvanised nails to each side of the stud. Three 30x2.5mm flat head galvanised nails to each side of the plate. Hold down bolt to be fitted within 100mm of the end of the element.	
Internal wall	
 GEB006	 GEB007
External wall	
 GEB008	 GEB009
NB: where applicable drawings have been produced for CAD design. These are identified by a unique number in the bottom corner of each detail box that can be found at the web address gib.co.nz/cad	2/300 x 25 x 0.9mm galvanised straps with six 30 x 2.5mm flat head galvanised nails to each stud and into the floor joist and three nails to the plate. Block to nog fixed with 3/100 x 3.75mm nails to stud.
	 GEB010
Hold-down fastener requirements	
Concrete floor	**Timber floor**
A mechanical fastening with a minimum characteristic uplift capacity of 15kN fitted with a 50x50x3mm square washer within 100mm of the ends of the bracing element.	12x150mm galvanised coach screw fitted with a 50x50x3mm square washer within 100mm of the ends of the bracing element

Refer to gib.co.nz/cad for CAD details.

Construction Details

Revised Fastener Pattern for *all four corners* of GIB EzyBrace® Elements

As GIB Braceline® screws are no longer required for BL bracing elements, two additional fasteners must be installed in ***all four corners*** of GIB EzyBrace® GS and BL elements, as shown.
Fasteners must be placed no closer than 12mm from the paper bound sheet edge and no closer than 10mm from sheet ends or cut edges.



Refer to gib.co.nz/cad for CAD details.

PERMITTED GIB® PLASTERBOARD SUBSTITUTIONS IN GIB EZYBRACE® SYSTEMS

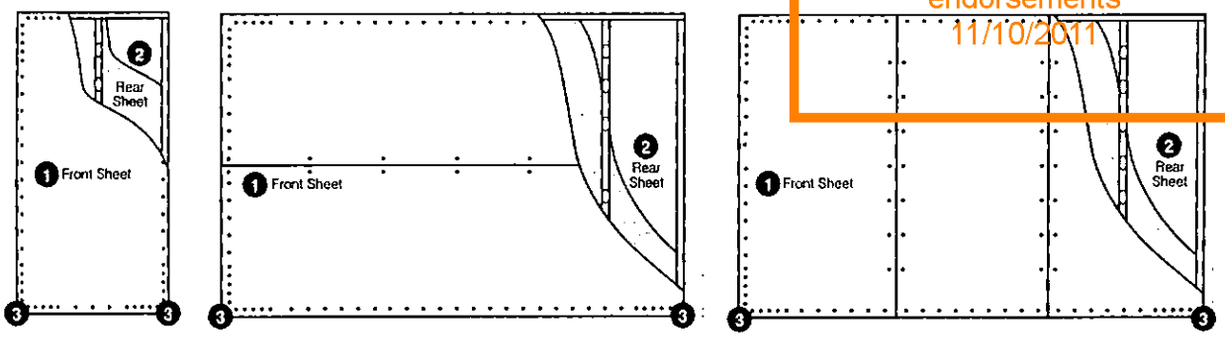
GIB Ezybrace® Systems have been designed and tested using only the products specified. Occasionally additional properties may be required to be provided by a different GIB® Plasterboard product. The following table provides acceptable substitution options.

Specified	Permitted alternative GIB® Plasterboard products								
	GIB® Standard	GIB Ultraline®	GIB Braceline/ Noiseline®	GIB Aqualine®	GIB Toughline®	GIB Fyreline®			
						10mm	13mm	16mm	19mm
GIB® Standard		OK	OK	OK	OK	OK	NOTE 2		
GIB Braceline®	X	X		NOTE 1	OK	X	NOTES 1 and 2		

NOTE 1 The element must be 900mm or longer. Use 32mm x 6g GIB® Grabber® drywall screws at ***100mm*** centres to the perimeter of the bracing element. The bracing corner fastening pattern, as illustrated above, applies to all four corners of the element. Panel hold-down fixings are required.

NOTE 2 The fastener type and length must be as required for the relevant FRR system but the fixing pattern must be as shown above.

Construction Details



System	Lining one side ❶		Lining opposite side ❷		Panel Hold-Down Fixings ❸	Fastener spacing
	Lining	Fasteners	Lining	Fasteners		
GS1-N	Any 10mm or 13mm GIB® Plasterboard	30mm GIB® nails, or minimum 32mm x 6g GIB® Grabber® high thread screws	Not required	Not required	Not required	*GIB® Plasterboard* Corner fastening pattern as illustrated above Fasteners at 150mm to bracing element perimeter, and: • at 300mm centres to intermediate sheet joints for vertical fixing, or • at stud / sheet junction for horizontally fixed elements, and • GIBFix adhesive daubs at 300mm crs to intermediate framing *Plywood* Fasteners at 150mm around the perimeter of every sheet and at 300mm centres to intermediate studs. Place fasteners no closer than 7mm from sheet edges. Plasterboard corner fastener pattern does not apply to plywood.
GS2-N			Any 10mm or 13mm GIB® Plasterboard	30mm GIB® nails, or minimum 32mm x 6g GIB® Grabber® high thread screws		
GSP-H			Minimum 7mm Ecoply manufactured to AS/NZS 2269	50mm x 2.8mm Flat head galvanised or stainless steel nails	Yes, see Pages 19 and 20	
BL1-H	10mm or 13mm GIB Braceline®	minimum 32mm x 6g GIB® Grabber® high thread screws GIB Braceline® Nails may be used for 10mm GIB Braceline® ONLY	Not required	Not required		
BLG-H			Any 10mm or 13mm GIB® Plasterboard	30mm GIB® nails, or minimum 32mm x 6g GIB® Grabber® high thread screws		
BLP-H			Minimum 7mm Ecoply manufactured to AS/NZS 2269	50mm x 2.8mm flat head galvanised or stainless steel nails		

GIB EzyBrace® System Specification GS1-N

JUNE 2011

Specification Code	Minimum Length (m)	Lining requirement
GS1-N	0.4	Any 10mm or 13mm GIB® Standard Plasterboard to one side only

WALL FRAMING

Wall framing to comply with;

- NZBC B1 - Structure; AS1 Clause 3 Timber (NZS 3604:2011)
- NZBC B2 - Durability AS1 Clause 3.2 Timber (NZS 3602)

Framing dimensions and height as determined by NZS 3604 stud and top plate tables for load bearing and non-bearing walls. The use of kiln dried stress graded timber is recommended.

BOTTOM PLATE FIXING

Timber Floor

Pairs of hand driven 100 x 3.75mm nails at 600mm centres; or

Three power driven 90 x 3.15 nails at 600mm centres.

Concrete floor

INTERNAL WALL BRACING LINES

In accordance with the requirements of NZS 3604:2011 for internal wall plate fixing or 75 x 3.8mm shot fired fasteners with 16mm discs spaced at 150mm and 300mm from end studs and 600mm centres thereafter.

EXTERNAL WALL BRACING LINES

In accordance with the requirements of NZS 3604 for external plate fixing.

WALL LINING

Any 10mm or 13mm GIB® Plasterboard lining.
Sheets can be fixed vertically or horizontally.
Sheet joints shall be touch fitted.
Use full length sheets where possible.

PERMITTED SUBSTITUTION

For permitted GIB® Plasterboard substitutions refer to Page 21 in GIB Ezybrace® Systems 2011.

FASTENING THE LINING

Fasteners

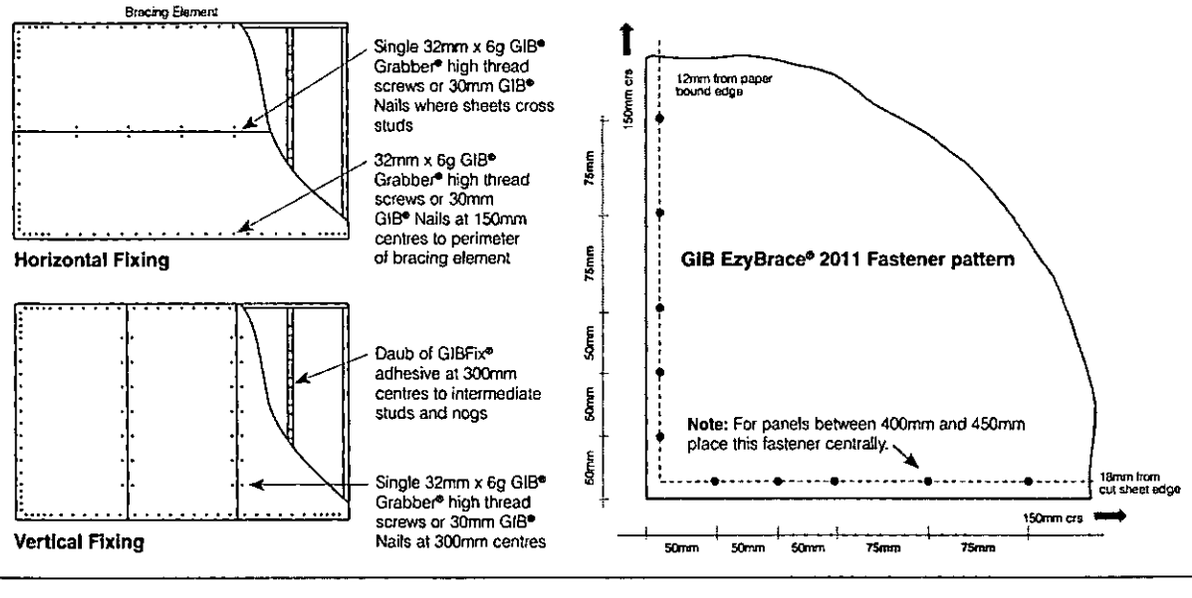
32mm x 6g GIB® Grabber® high thread screws; or
30mm GIB® Nails.

Fastener centres

50,100,150, 225, 300mm from each corner and 150mm thereafter around the perimeter of the bracing element.
For vertically fixed sheets place fasteners at 300mm centres to intermediate sheet joints.
For horizontally fixed sheets place single fasteners to the sheet edge where it crosses the stud.
Use daubs of GIB Fix® adhesive at 300mm centres to intermediate studs.
Place fasteners no closer than 12mm from paper bound sheet edges and 18mm from any sheet end or cut edge.

JOINTING

All fastener heads stopped and all sheet joints paper tape reinforced and stopped in accordance with the GIB® Site Guide.



In order for GIB® systems to perform as tested, all components must be installed exactly as prescribed. Substituting components produces an entirely different system and may seriously compromise performance. Follow the specifications. This Specification sheet is issued in conjunction with the publication GIB EzyBrace® Systems 2011 and has been appraised in accordance with the BRANZ Appraisal No. 294 (2011).

BRANZ Appraised
Appraisal No.294 [2011]

GIB EzyBrace® System Specification GS2-N

JUNE 2011

Specification Code	Minimum Length (m)	Lining requirement
GS2-N	0.4	Any 10mm or 13mm GIB® Standard Plasterboard fixed to each side of the wall framing.

WALL FRAMING

Wall framing to comply with;

- NZBC B1 - Structure; AS1 Clause 3 Timber (NZS 3604:2011)
- NZBC B2 - Durability AS1 Clause 3.2 Timber (NZS 3602)

Framing dimensions and height as determined by NZS 3604 stud and top plate tables for load bearing and non-bearing walls. The use of kiln dried stress graded timber is recommended.

BOTTOM PLATE FIXING

Timber Floor

Pairs of hand driven 100 x 3.75mm nails at 600mm centres; or

Three power driven 90 x 3.15 nails at 600mm centres.

Concrete floor

INTERNAL WALL BRACING LINES

In accordance with the requirements of NZS 3604:2011 for internal wall plate fixing or 75 x 3.8mm shot fired fasteners with 16mm discs spaced at 150mm and 300mm from end studs and then 600mm centres thereafter.

WALL LINING

One layer 10mm or 13mm GIB® Plasterboard to each side of the wall.

Sheets can be fixed vertically or horizontally.

Sheet joints shall be touch fitted.

Use full length sheets where possible.

PERMITTED SUBSTITUTION

For permitted GIB® Plasterboard substitutions refer to Page 21 in GIB® Ezybrace Systems 2011.

FASTENING THE LINING

Fasteners

32mm x 6g GIB® Grabber® high thread screws; or 30mm GIB® Nails.

Fastener centres

50,100,150, 225, 300mm from each corner and 150mm thereafter around the perimeter of the bracing element.

For vertically fixed sheets place fasteners at 300mm centres to intermediate sheet joints.

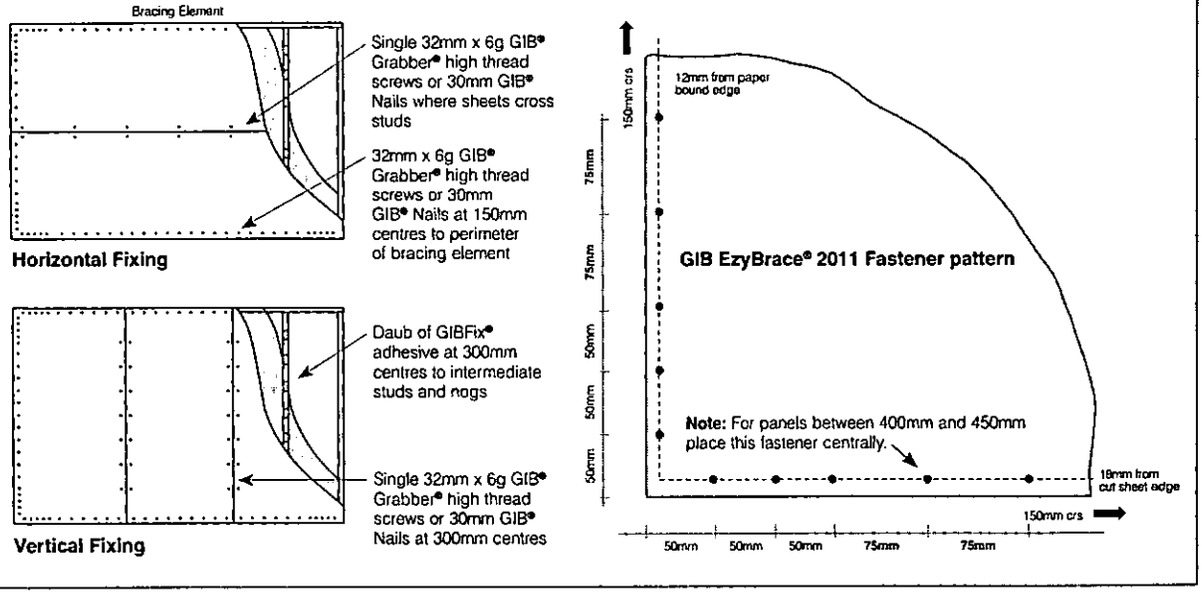
For horizontally fixed sheets place single fasteners to the sheet edge where it crosses the stud.

Use daubs of GIB Fix® adhesive at 300mm centres to intermediate studs.

Place fasteners no closer than 12mm from paper bound sheet edges and 18mm from any sheet end or cut edge.

JOINTING

All fastener heads stopped and all sheet joints paper tape reinforced and stopped in accordance with the GIB® Site Guide.



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BRANZ Appraised
Appraisal No.294 [2011]

GIB EzyBrace® System Specification – BL1-H

JUNE 2011

Specification Code	Minimum Length (m)	Lining requirement	Other requirements
BL1-H	0.4	10mm or 13mm GIB Braceline® to one side only	Hold downs

WALL FRAMING

Wall framing to comply with;

- NZBC B1 - Structure; AS1 Clause 3 Timber (NZS 3604:2011)
- NZBC B2 - Durability AS1 Clause 3.2 Timber (NZS 3602)

Framing dimensions and height as determined by NZS 3604 stud and top plate tables for load bearing and non-bearing walls. The use of kiln dried stress graded timber is recommended.

BOTTOM PLATE FIXING

Timber Floor

Use panel hold downs at each end of the bracing element. The GIB HandiBrac® is recommended. See details in GIB Ezybrace® Systems 2011 or GIB® Site Guide.
Pairs of hand driven 100 x 3.75mm nails at 600mm centres; or
Three power driven 90 x 3.15 nails at 600mm centres.

Concrete floor

Use panel hold downs at each end of the bracing element. The GIB HandiBrac® is recommended. See details in GIB Ezybrace® Systems 2011 or GIB® Site Guide. Within the length of the bracing element bottom plates are to be fixed in accordance with the requirements of NZS 3604.

WALL LINING

One layer 10mm or 13mm GIB® Braceline.
Sheets can be fixed vertically or horizontally.
Sheet joints shall be touch fitted.
Use full length sheets where possible.

PERMITTED SUBSTITUTION

For permitted GIB® Plasterboard substitutions refer to Page 21 in GIB Ezybrace® Systems 2011.

FASTENING THE LINING

Fasteners

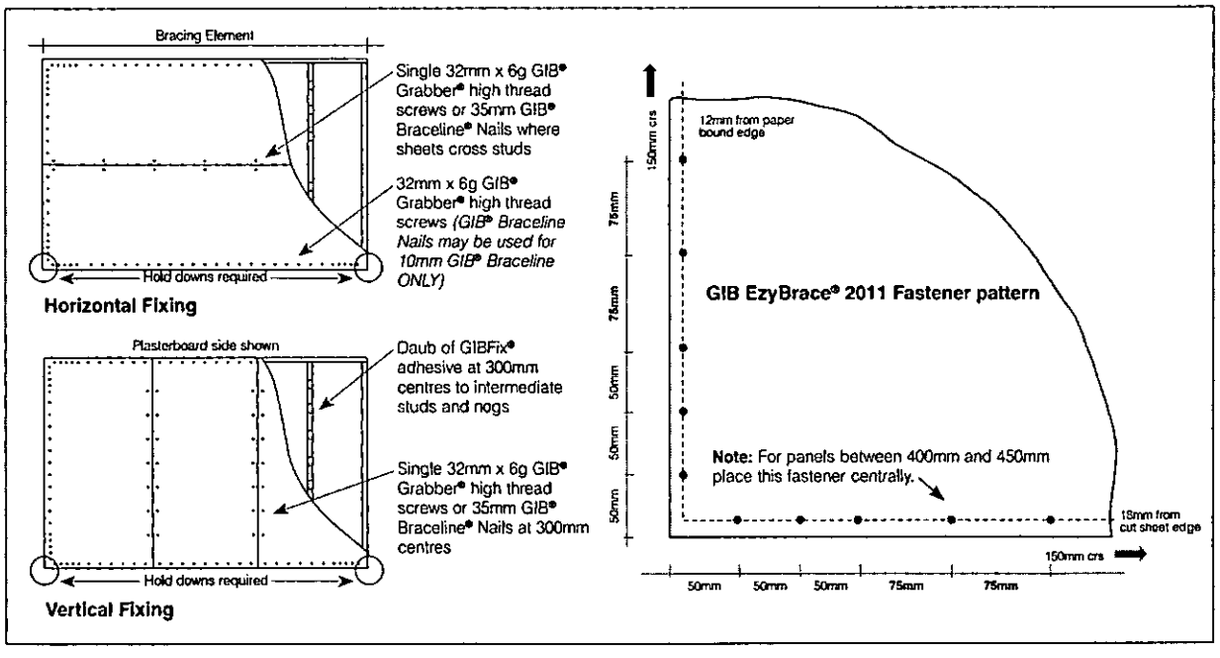
32mm x 6g GIB® Grabber® high thread screws.
(GIB Braceline® Nails may be used with 10mm GIB Braceline® only.)

Fastener centres

50,100,150, 225, 300mm from each corner and 150mm thereafter around the perimeter of the bracing element.
For vertically fixed sheets place fasteners at 300mm centres to the sheet joint.
For horizontally fixed sheets place single fasteners to the sheet edge where it crosses the stud.
Use daubs of GIB Fix® adhesive at 300mm centres to intermediate studs.
Place fasteners no closer than 12mm from paper bound sheet edges and 18mm from any sheet end or cut edge.

JOINTING

All fastener heads stopped and all sheet joints paper tape reinforced and stopped in accordance with the GIB® Site Guide.



In order for GIB® systems to perform as tested, all components must be installed exactly as prescribed. Substituting components produces an entirely different system and may seriously compromise performance. Follow the specifications. This Specification sheet is issued in conjunction with the publication GIB EzyBrace® Systems 2011 and has been appraised in accordance with the BRANZ Appraisal No. 294 (2011).

BRANZ Appraised
Appraisal No.294 [2011]

GIB EzyBrace® System Specification - BLG-H

Specification Code	Minimum Length (m)	Lining requirement	Other requirements
BLG-H	0.4	10mm or 13mm GIB Braceline® to one side of the frame plus any 10mm or 13mm GIB Plasterboard to the other side	Hold downs

WALL FRAMING

Wall framing to comply with;

- NZBC B1 - Structure; AS1 Clause 3 Timber (NZS 3604:2011)
- NZBC B2 - Durability AS1 Clause 3.2 Timber (NZS 3602)

Framing dimensions and height as determined by NZS 3604 stud and top plate tables for load bearing and non-bearing walls. The use of kiln dried stress graded timber is recommended.

BOTTOM PLATE FIXING

Timber Floor

Use panel hold downs at each end of the bracing element. The GIB HandiBrac® is recommended. See details in GIB Ezybrace® Systems 2011 or GIB® Site Guide.
Pairs of hand driven 100 x 3.75mm nails at 600mm centres; or
Three power driven 90 x 3.15 nails at 600mm centres.

Concrete floor

Use panel hold downs at each end of the bracing element. The GIB HandiBrac® is recommended. See details in GIB Ezybrace® Systems 2011 or GIB® Site Guide. Within the length of the bracing element bottom plates are to be fixed in accordance with the requirements of NZS 3604.

WALL LINING

One layer 10mm or 13mm GIB® Braceline to one side of the wall plus any 10mm or 13mm GIB® Plasterboard lining to the other side. Sheets can be fixed vertically or horizontally. Sheet joints shall be touch fitted. Use full length sheets where possible.

PERMITTED SUBSTITUTION

For permitted GIB® Plasterboard substitutions refer to Page 21 in GIB Ezybrace® Systems 2011.

FASTENING THE LINING

Fasteners

GIB Braceline® side
32mm x 6g GIB® Grabber® high thread screws.
(GIB Braceline® Nails may be used with 10mm GIB Braceline® only)

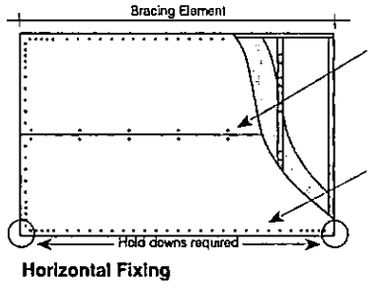
Other side
32mm x 6g GIB® Grabber® high thread screws; or
30mm GIB Nails.

Fastener centres

50,100,150, 225, 300mm from each corner and then 150mm thereafter around the perimeter of the bracing element.
For vertically fixed sheets place fasteners at 300mm centres to the intermediate sheet joints.
For horizontally fixed sheets place single fasteners to the sheet edge where it crosses the stud.
Use daubs of GIB Fix® adhesive at 300mm centres to intermediate studs.
Place fasteners no closer than 12mm from paper bound sheet edges and 18mm from any sheet end or cut edge.

JOINTING

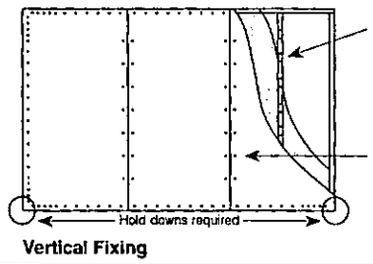
All fastener heads stopped and all sheet joints paper tape reinforced and stopped in accordance with the GIB® Site Guide.



Single 32mm x 6g GIB® Grabber® high thread screws or 35mm GIB® Braceline® Nails where sheets cross studs

32mm x 6g GIB® Grabber® high thread screws *(GIB® Braceline® Nails may be used for 10mm GIB® Braceline® ONLY)*

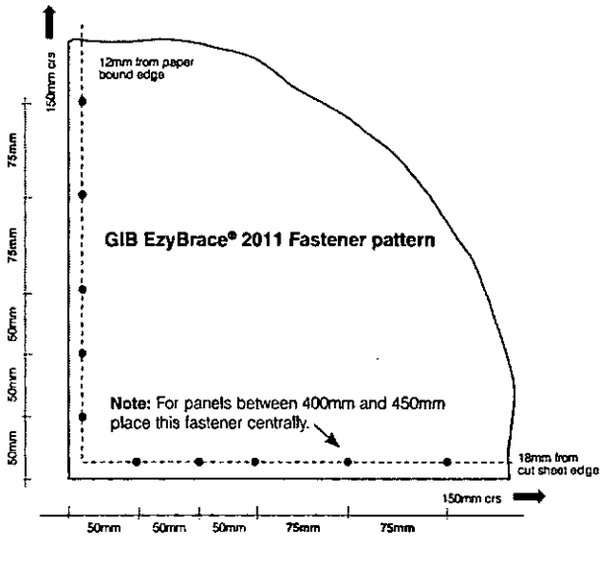
Horizontal Fixing



Daub of GIBFix® adhesive at 300mm centres to intermediate studs and nogs

Single 32mm x 6g GIB® Grabber® high thread screws or 35mm GIB® Braceline® Nails at 300mm centres

Vertical Fixing



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BRANZ Appraised
Appraisal No.294 (2011)

Hastings District Council
207 Lyndon Rd East, Hastings, 4122
Private Bag 9002, Hastings, 4156
Ph 871 5000, Fax 871 5115
amendments@hdc.govt.nz

HASTINGS DISTRICT COUNCIL

AMENDMENT APPLICATION FORM

NOTE 1: This form must be completed and attached to every amendment you submit to Council.

NOTE 2: All additional fees will be charged and invoiced (payable) prior to receiving your Code Compliance Certificate.

NOTE 3: Council has the right to refuse incomplete applications. Please allow 20 working days for processing (Council will endeavour to prioritise all amendments), however if all required information is not supplied you may experience additional delays in obtaining your amended consent.

NOTE 4: Documentation submitted on CD or via email must be submitted in multi-page PDF format.

SECTION 1: OWNER/AGENT: this form must be completed by the owner or agent

Name of ☐ Owner ☐ Agent: Ellis Builders Ltd — Date: 22 September 2011

Building Consent Number **ABA**:20110794

Project Address: 14 Middle Road, Havelock North

How would you like to receive the approved amendments? ☐ Collect in person ☐ Email (limit 4 Mb) ☐ Post (if posted provide mailing address below)

Postal Address: P.O. Box 3181, Onekawa, Napier 4142

Owner's/Agent's contact details: Murray Benson

Landline: 835 8699 Mobile: 021 772 117 Email: ellis.builders@xtra.co.nz

SECTION 2 - AMENDMENT DESCRIPTION: comprehensive written description of changes this amendment is applicable to

Project Description - Reference sheet numbers amendments relate to (e.g. Sheets 3 & 8, Floor Plan and Bracing Plan - window W9 and Bracing element B3 positions swapped. Sheet 4, Western Elevation – window W9 repositioned)

1] Add Caroma Valette Basin and Echo mixer to kitchen area as shown on Plan SO3 R3

2] Reconfigure sleep rooms on south side to alter M2 of each room – refer Plan SO3 R3 and Lintel sizing info

3] Add bi-folding doors in Area 3 to screen off area out from bay window. Lintel same size as ones in roof space but carrying only weight of itself and hollow core doors – refer Plan SO3 R3

4] Add wash tub to deck area where shown with cold tap and hot (tempered) tap – refer Plan SO3 R3

5] Create opening between Office 2 and sleep room (no door) – refer Sheet SO3 R3

6] Reduce width of lean-to area on south side from 1760mm to 1625mm to retain 1500mm side boundary measurement. Boundary confirmed by survey (John Craven) – Refer Sheet SO3 R3

SECTION 3: PLANS: include references to all sheet numbers with changes and highlight around the changes on the drawings/plans

1 copy of all plans. The plans must be:

Drawn clearly to scale (ruled, not sketched)	(Yes)	No	N/A	Clear and concise copies (*not reduced in size)	(Yes)	No	N/A
On plain white, preferably A3* paper	(Yes)	No	N/A	Include the designers name	(Yes)	No	N/A
Drawn in ink (not pencil)	(Yes)	No	N/A	Engineering details are drawn	Yes	No	(N/A)
Changed Sheet Numbers referenced	(Yes)	No	N/A	Changes highlighted on all drawings/plans (ballooned/clouded)	(Yes)	No	N/A

SECTION 4: SPECIFICATIONS: new specifications relevant to changes provided

Specific design calculations & details	(Yes)	No	N/A	Identify compliance with the NZ Building Code	Yes	No	(N/A)
Structural calculations & producer statements	Yes	No	(N/A)	List all Alternative Solutions	Yes	No	(N/A)
Fire safety systems	Yes	No	(N/A)	Alternative solutions calculations / producer statements	Yes	No	(N/A)
Details of all materials, fittings and installation requirements for these amendments					(Yes)	No	N/A

Office use

Handling Officer:	Property ID:		
Amendment application form: Completed by the ☐ owner ☐ agent on behalf of and with written authority from the owner		Yes	No

APPENDIX 1 – AMENDMENT CRITERIA SHEET

ABA20110794
APPROVED AMENDMENT # 3
Refer to previous plans for past endorsements
11/10/2011

- Definition: an amendment is a variation or change to Building Consent documents that have been approved by Council.
- A review of the Amendment Application is carried out by the Prelodgement Team who decide whether:
  - they will process it as a Minor Amendment;
  - to forward it to the Processing Team as a Standard Amendment. All decisions as to whether an application is to be treated as an amendment or as a new building consent application are made by the Prelodgement Team.
- Amendments other than those noted below are lodged as a new building consent application.

Minor Amendment Quick approval by Prelodgement Team. Requires no additional inspections or conditions. Record processing time only - generally 30 minutes max. Plans scanned, processed, approved and printed.	**Standard Amendment** Entered as an amendment in Council's system. Processed by Processing Team. Referral to all departments as required. All teams record processing time only. New documents scanned/profiled to TRIM.
Minor bracing amendments that do not affect the bracing calculations, requiring a minimal check of the revised layout plan.	No increase of footprint or bulk to the building. Supply new Floor Plan and relevant details
Amendment of lintel type or size, if not load bearing. Details of changes are included in a revised floor plan.	Change of type of window or door joinery
Change of roofing type (brand), e.g. light for light or heavy for heavy. Supply details of batten change on new cross section if applicable, including manufacturer's specifications/details.	Changes to any structural components. Supply relevant calculations and producer statements as necessary. Includes bracing or support of any components.
Service room (i.e. bathroom, laundry or toilet) layout change of fixtures. Supply new 'Floor Plan' (including drainage details)	Cladding changes outside the scope of **Minor Works** e.g. where risk matrix score would require a cavity or where plastering and cladding are affected.
Decks less than 1000mm above GL if not in conflict with 'District Plan' requirements. Supply full details of an assurance the deck is not interfering with cladding durability and sub-floor access, ventilation or underground services e.g. drainage.	Changes to sewerage treatment systems. Changes to solar, wetbacks, hot water heating systems, instantaneous, infinity, gas etc. Supply new fully detailed layout plan (of professional standard).
Change of plumbing system, from 'G12/G13' to 'AS3500' or vice-versa, this may require referral to Officer with P&D experience.	Changes that will require an adjustment to the levies for services or value related levies. If the value of the work was less than $20K and amendment takes it over.
Change of solid fuel heater brand/model. Supply full manufacturer's details of revised type (including emission/efficiency rates). A new floor plan is required if in a different location.	Non Major changes that may affect the approved 'Fire Design' Features e.g. fire alarms, suppression. Supply full details with clear indication of proposed changes.
Minor change to specifications. Supply amended pages only, with clear indicators of the change/s.	Changes to access into buildings e.g. stairs, landings.
Concrete foundation type change, i.e. blocks to In-situ concrete or vice-versa. Supply new cross section and details.	
Cladding changes of same type but different manufacturer. Supply new product specifications / details.	

Table 8.9 – Lintel supporting roof only for all wind zones – SG 8 (see figure 8.7)

	Loaded dimension* of lintel (m)	Maximum span for lintel sizes listed below (m) width x thickness (mm)									
		90 x 70	90 x 90	140 x 70	140 x 90	190 x 70	190 x 90	240 x 70	240 x 90	290 x 70	290 x 90
Light roof	2	1.2	1.4	2.0	2.1	2.7	2.9	3.4	3.6	4.0	4.2
	3	1.1	1.2	1.7	1.9	2.4	2.6	3.0	3.3	3.7	3.9
	4	1.0	1.1	1.5	1.8	2.1	2.4	2.7	3.1	3.2	3.7
	6	0.8	1.0	1.3	1.6	1.8	2.1	2.2	2.7	2.7	3.3
Heavy roof	2	1.0	1.0	1.5	1.6	2.1	2.3	2.6	2.9	3.2	3.5
	3	0.9	0.9	1.4	1.5	1.9	2.0	2.4	2.6	2.9	3.1
	4	0.8	0.9	1.3	1.4	1.7	1.9	2.2	2.4	2.6	2.9
	6	0.7	0.8	1.1	1.2	1.5	1.7	1.9	2.1	2.3	2.6

* Loaded dimension is defined in figure 1.3.

NOTE – Members 70 mm and 90 mm thick may be substituted with built-up members sized and nailed in accordance with 2.4.4.7.

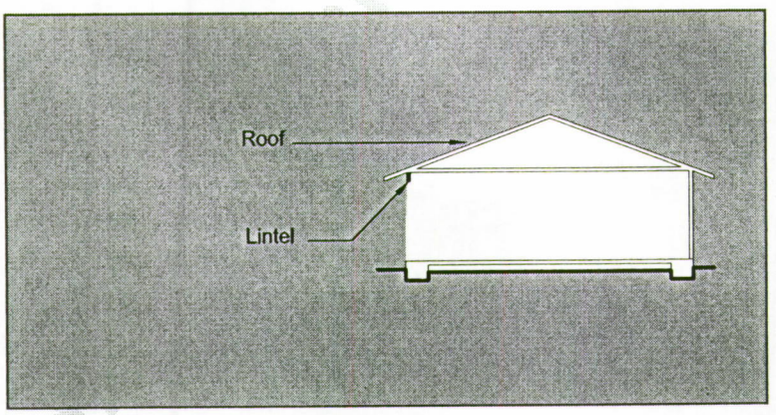
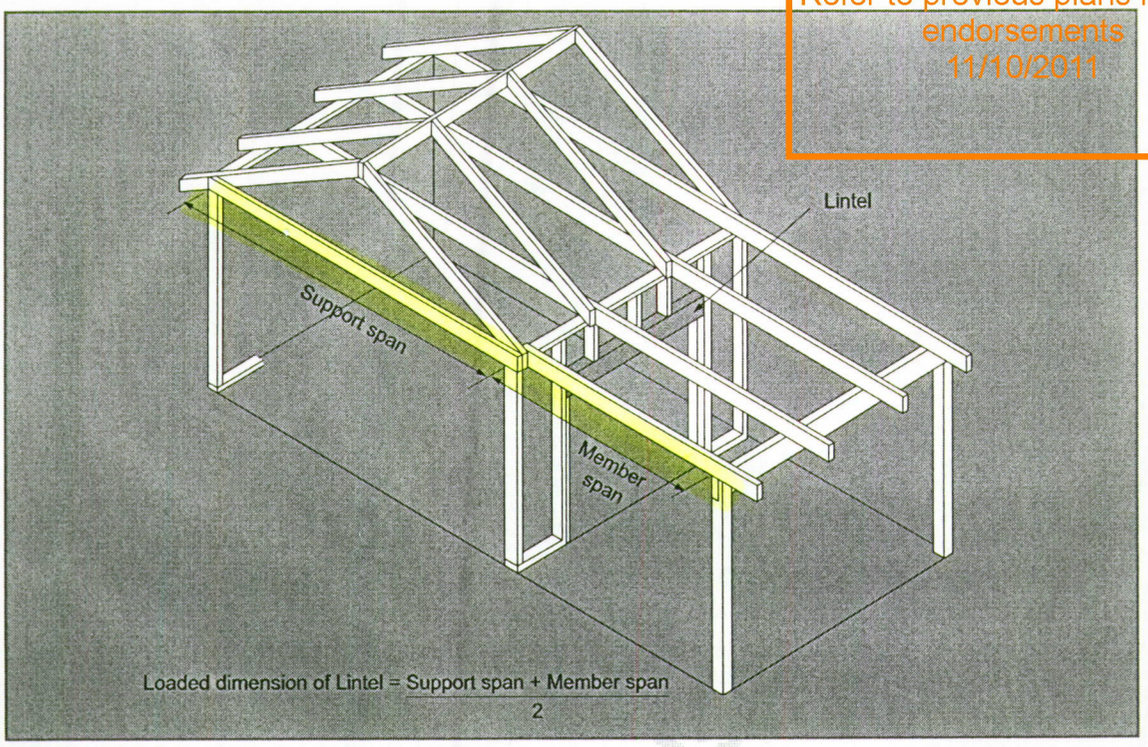
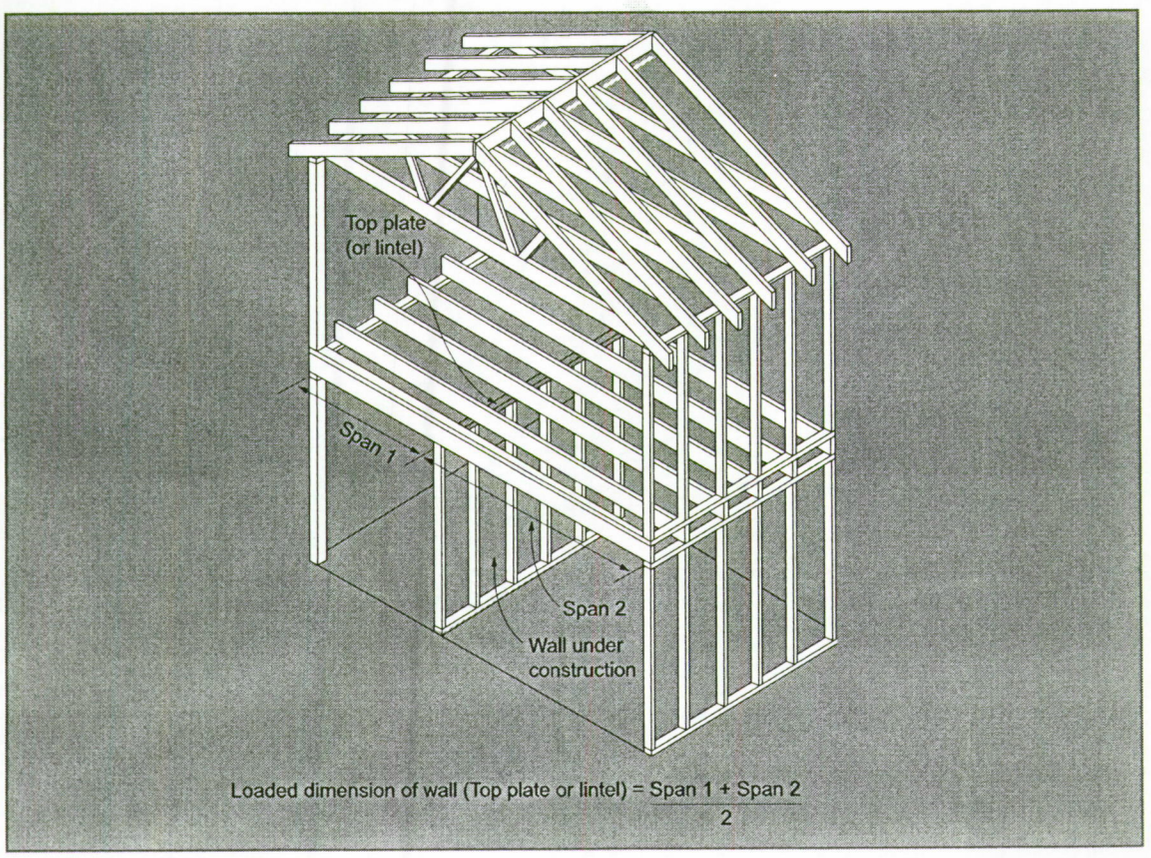


Figure 8.7 – Lintel supporting roof only (see 8.6.1.1 and table 8.9)

LINTEL TO SLEEP ROOM (Point 2 on details)



(K) LINTEL SUPPORTING ROOF ONLY



(L) INTERNAL WALL FOR LINTEL SUPORTING FLOOR ONLY

Figure 1.3 – Definitions of spans and loaded dimensions (continued) (see 1.3)

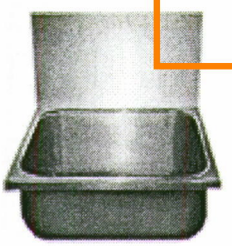
Mild Steel Brackets (Pair)

TUBBR

$31.73 excl. GST

'TUB' (Point 4 on details)

Mop Sink



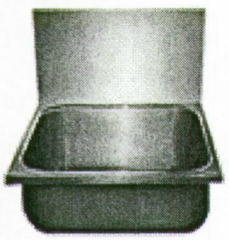
CS2

$361.20 excl. GST

558x450x235 deep, 450 upstand complete with brackets 0.9mm thick stainless steel 50mm waste with 50-40 waste reducer supplied Optional upstand each end + $242.00

Mild Steel Brackets (Pair)

Mop Sink

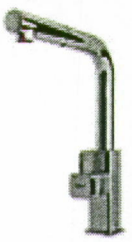


Mop

$509.60 excl. GST

Extra thick for extra durability. Able to withstand harder knocks without denting. 560x460x240 deep, 450 upstand complete with brackets 1.2mm thick stainless steel 40mm waste Optional upstand each end + $242.00

Mythos Chrome Single Lever

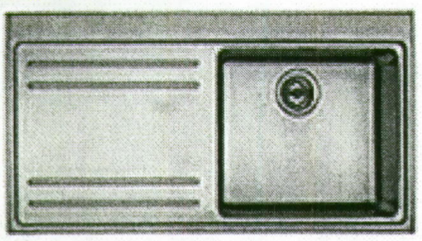


TA621

$999.00 excl. GST

Franke Mythos Chrome Single Lever Mixer Pull Out Tap. 72.5psi - 7.25psi. 500kpa - 50kpa. Cut-out 35 degree. WELS 6 star/4.5 lpm. Chrome/ceramic cartridge with extractable hand spray. Not recommended to install this

Mythos Insert

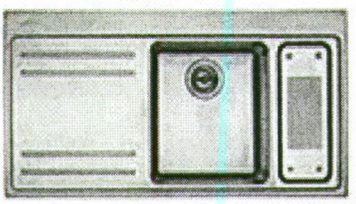


MTX611

$2,433.70 excl. GST

This stunning range of Franke Mythos stainless steel inset sinks is exceptional by design, expressing form and function that will enhance your modern kitchen design with exquisite attention to detail.

Mythos Insert

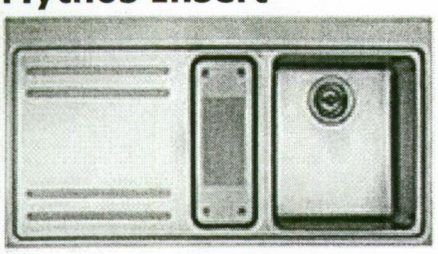


MTX661

$2,826.37 excl. GST

Surrender to the fascinating appeal of stylish design, quality and innovative elegance that you have come to expect from Franke of Switzerland, the global leader in sink design and manufacture.

Mythos Insert

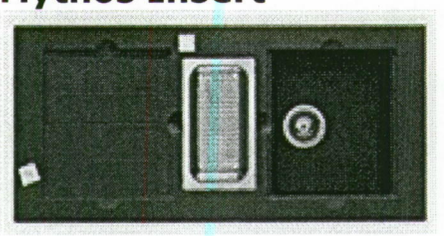


MTX651

$2,813.00 excl. GST

The beautiful glass sliding chopping board integrates form and functionality to finesse the design of the Mythos range. The matching stainless steel accessories fit neatly into place to complete this food preparation centre.

Mythos Insert



MTG 651

$2,338.31 excl. GST

MTG651 Designed by Porche - complete with colander,hygenica cutting board, stainless steel drainer tray, stainless steel rinsing basket, designer waste kit and overflow main bowl - 325 x 391 x 190 1/3 bowl - 176.5 x