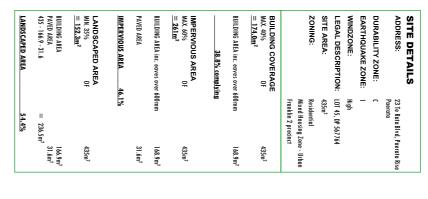
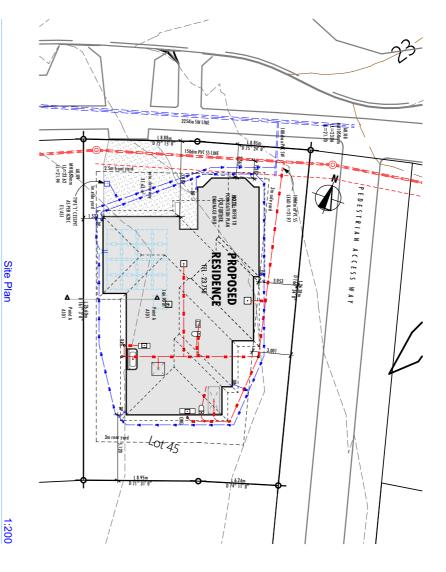
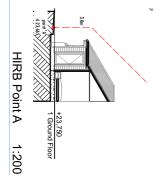
Page 1 of 30 Building C uncil

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30/05/2023







DRAWN BY:	SCALE AT A3	PROJECT No:	Site Plan	DRAWING INFO
RM	as shown	22-017		
			SHEET No: A101	
works or ordering any materials. Contractor must locate relevant	heights & restrictions prior to earthworks. If any discrepancies occur,	checked prior to commencement of all works, DO-NOT scale off drawings. Cross reference all drawings, confirm site levels, floor	approved documents, NZS38042011 and local territeorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be	All construction shall be in accordance with NZBC handbook and

A705	A704	A/03	A702	A 700	A701	A7 Cladding Details	A601		A 6 Schedules	A503	A502	A501	A5 Wet Area Details	A406	A405	A404	A403	A402	A401	ATOGINIS	A Dotter	AJUZ	200	1001	A3 Elevations	A201	A2 Sections	A112	A111	A110	A109	A108	A107	A106	A105	A104	A103	A102	A101	A1 Plans	-		Working Drawings	Luy ou	
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23 Te Rata Blvd Paerata Auckland

23 TeRata Blvd

PROPOSED DWELLING

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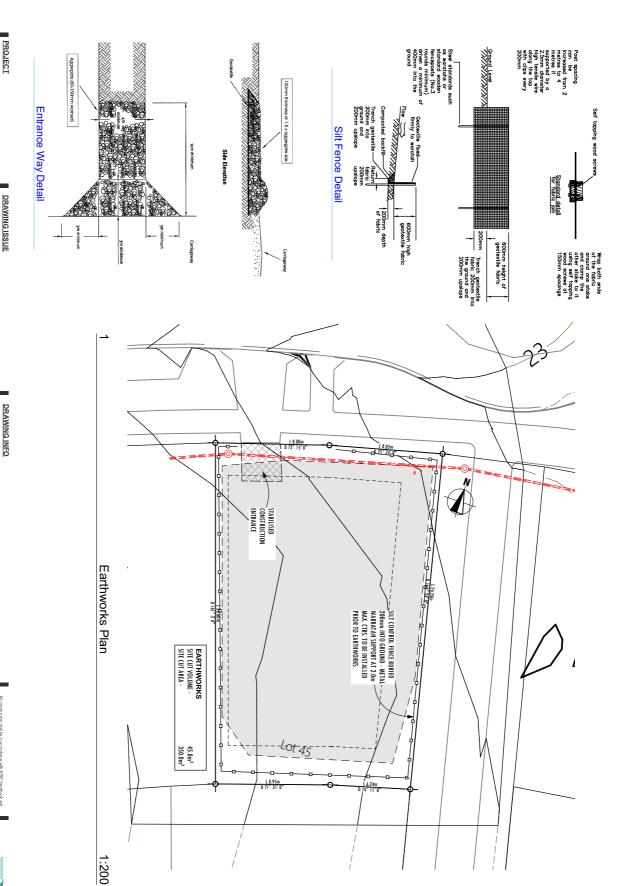
DATE

DESCRIPTION

Page 2 of 30 Building Consent BCO10366938 Approved by Auckland Council







EXCESS SOIL

EXCANATED TO PSOIL IS TO BE SPREAD AROUND

THE SITE AND FLATTENE DYNERE POSSIBLE. WHILE STORED ON

SITE ALL SOIL IS TO BE COVERED WITH IMPERVIOUS SHEET

AND
INSTALL TEMPORARY FILTER CLOTH UNDER THE GRATING OF THE
RELEVANT LOCAL CATCH PITS (CARRY OUT WATER RUN OFF
TESTS IF NECESSARY TO DETERNINE AFFECTED PITS).

PLACE APPROPRIATE 'SILT' SOCK SEDIMENT CONTROL AT LOCATIONS WITH INCREASED RUN OFF POTENTIAL

PROVIDE STABLISED ENTRY PAD & WASH DOWN AREA FOR CONTRACTOR VEHICLES IN ACCORDANCE WITH ECAN SEDIMENT CONTROL FOR SMALL SITES

VEHICLES INVOLVED IN THE EXCAVATION WILL BE DELIVERED TO SITE AND THEN REMOVED VIA TRUCK.

ALL SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO ANY EARTHWORKS AND ARE TO BE CHECKED AND MAINTAINED EVERY DAY.

THE CONTRACTOR MUST PREVENT ANY SEDIMENT WHICH IS A RESULT FROM DEMOLITION OR GROUND WORKS, FROM ENTERINTHE EXISTING STORMWATER DRAINAGE SYSTEM.

SEDIMENT CONTROL PLAN

SITE AREA IS FULLY FENCED - 1.8m HIGH TEMPORARY WIRE FENCING TO REMAIN IN PLACE FOR THE DURATION OF THE CONSTRUCTION PERIOD

NZBC F5/AS1 COMPLIANCE

RETAIN VEGETATIVE BUFFER ZONES INSIDE SITE BOUNDARIES, TO ALL SIDES OF PROJECT. OR REPLACE WITH "SILT SOCKS" OR TURF FILLER STRIPS" WHERE NOT POSSIBLE.

JSE THE FOLLOWING STEPS:



23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

PROPOSED DWELLING

REV.

DATE

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SCALE AT A3

PROJECT No:

22-017 as shown

SHEET No: A102

Earthworks Plan

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90 X 45 PLATE. - 90 X 45 BOTTOM PLATE INTERNAL NON LOADBEARING WALLS: 90 x 45 STUDS AT 600 CRS. NOGS @ 800¢ UNLESS OTHERWISE STATED. EXTERIOR WALLS & INTERNAL LOADBEARING 2.7m - 90 x 45 STUDS AT600CRS NOGS @ 800¢ UNLESS OTHERWISE STATED. EXTERIOR & LOAD BEARING FRAMING SHALL HAVE: -90 × 45 TOP PLATES WITH AN ADDITIONAL

INSTALLADDITIONAL DWANGS AS REQUIRED FOR WALL MOUNTED JOINERY, GRAB RAILS, SHOWER SCREENS AND THE LIKE.

TOP PLATE FIXINGTYPE 'B' 2/90 x 3.15 END NAILS, PLUS 2 WIRE DOGS, 4.7kN FIXING (TABLE 8.18 NZS 3604:2011)

FOR EXTERNAL WALLS, REPORTED/ARY ANX-DORS SHALL HAVE A MINIMAN CAPACITY WHEN TESTED IN ACCORDANCE WITH 2.4.7 OF NZS 364/2011/45 FOLLOWS:

(A) HORIZONYAL LOADS OUT OF PLANE OF THE WALL - 2 kN, (B) HORIZONYAL LOADS OUT OF PLANE OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OF THE WALL - 3 kN, (C) VERTICAL LOADS OUT OUT BOTTOM PLATEXING TYPICAL:
(ON COMPETE FLOW)

ON CAMPETE FLOW)

BOX 45 BOTTOM PLATES SHALL BE FIXED TO THE CONCRETE

FLOOR WITH.

FLOOR WITH.

BOOD FLEVALTES SERVED AN ARM. OF SOMMER OR

BOTTOM FLOVE SERVED AND SHABED BY MASONRY

HEAVING BOTTOM SHABED ON SLAB EDGES FORMED BY MASONRY

HEAVING BOTTOM.

FOR INTERNAL WALLS, PROPRET ARY ANCHORS SHALL HAVE A MINIMUM CAPACITY WHEN TESTED IN ACCORDANCE WITH 2.4.7 OF NZS 5804201145 FOLLOWS:

(A) IN THE PLANE OF THE WALL-2 IN:
(B) OUT OF THE PLANE OF THE WALL-2 IN:

THERMAL INSULATION:
REFER SPEFICATIONS FOR H1 REPORT
WALL: R2.8 PINK BATTS OR EQUIVALENT
CEILING: R3.6 PINK BATTS OR EQUIVALENT WALL LINTEL NOTES

EFER TO SHEET A103 FOR LINTEL SIZES

NETTLI IN ACCREANCE WITH NESSION 2011. SECTION 8.6.1.8.
EACH WITTEL REQUIRED BY TABLE B. AND TO RE SCRIPED AGAINST
UPLET SHALL BE FIXED AT EACH END TO A TRIMBING STUD WHICH
IN TURNS SHALL BE FIXED TO THE LODE FRAUNCE SCALF EINACTO
IN TURNS SHALL BE FIXED TO THE LODE FRAUNCE SCALF EINACTO
BE CAST HOWNING FIGURE 8.1.2 OPE AM ALTERNATIVE FIXING OF 75KN
DER CAST HOWNING FIGURE 8.1.2

REFER NZSSBOW 2011 FIGURE 8.1.2

E3 INTERNAL MOISTURE:

WET ROOMS SHALL HAVE TILED FLOORING WHERE SHOWN, LAID WALL TO WALL OVER ARDEX SUPERFLEX WATERPROOFING MEMBRANE.

WET ROOM WALL LININGS TO BE GIB AQUALINE, FINISHED WITH AN IMPERVIOUS COATING THAT IS EASILY CLEANED.

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PROJECT	DRAW	DRAWING ISSUE	
PROPOSED DWELLING	REV.	DATE	
23 Te Rata Blvd			
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23 Te Rata Blvd Paerata Auckland

Floor Plans DRAWING INFO

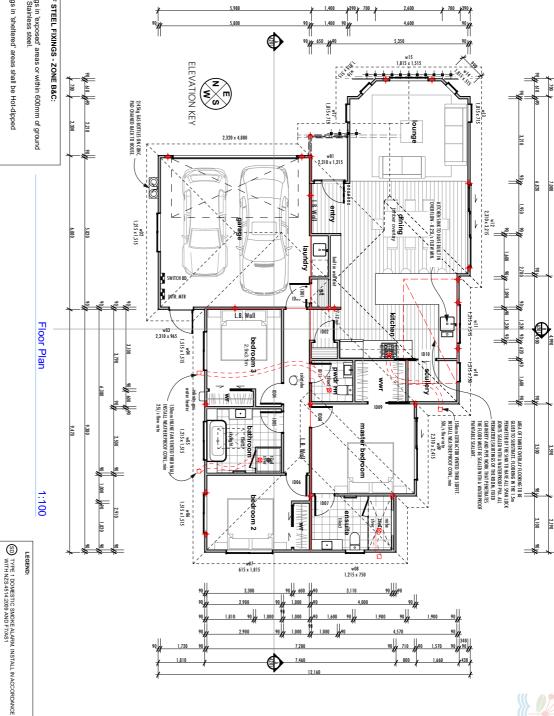
SCALE AT A3 PROJECT No

as shown

All construction shall be in accordance with NZBC handbook and approved documents, NZSB427011 and local temberoil authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all works. DO-NOT scale off drawings. Cross reference all drawings, confirm site levels, floor neights & restrictions prior to earthworks. If any discrepancies occu-

https://www.facebook.com /PresiteDesign/ info@presitedesign.co.nz PHONE: 021 935 531 (TS) TS = 3/90 x 45 SG8 STUDS

DOUBLE STUDS UNDER ALL POINT LOADS (GIRDER TRUSSES, BEAMS) UNLESS OTHERWISE STATED



PROTECTION OF STEEL FIXINGS - ZONE B&C:

-All structural fixings in 'exposed' areas or within 600mm of ground shall be Type 304 Stainless steel.

-All structural fixings in 'sheltered' areas shall be Hot-dipped

-Nail plates in 'closed' areas including roof spaces shall be Continuously coated Galvanised steel

-Wire dogs & bolts in 'closed' areas including roof spaces shall be Hot-dipped galvanised steel.

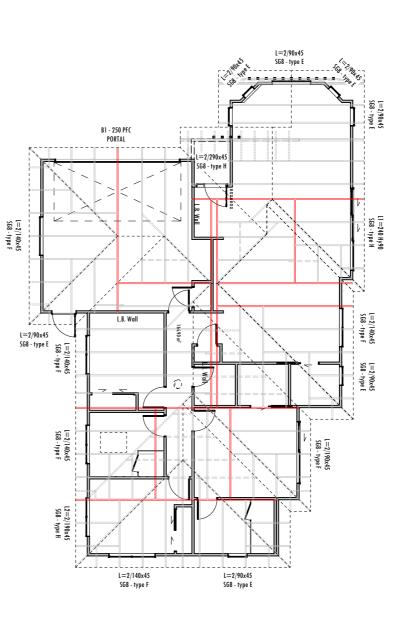
DESCRIPTION

22-017

SHEET No: A103







Lintel Plan

1:100

LINTEL/ BEAM SIZES

AS PER TRUSS DESIGN BY CARTERS - REFER SEPC MT&k GANGNAIL LINTEL SELECTION CHARTS & DESIGNIT SOFTWARE.

Lintel Plan DRAWING INFO

PROJECT No: SCALE AT A3

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

PROPOSED DWELLING

PROJECT

DRAWING ISSUE REV.

DATE

DESCRIPTION

as shown

22-017

SHEET No: A104

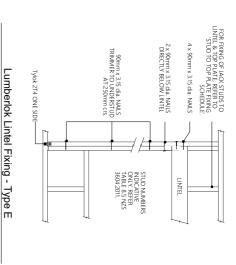
All construction shall be in accordance with NBC Instruction and approved documents. NBS possible 2014 and lost interest all attributes the shall be requirement. As I place it is bringly complete to comba approval. All dimensions is bringly part of sevicitations to be relected prior to commonwement all abouts. Do NDT case did disaulty. Coust detected all places and the sevicitation prior to estimate, it any disrepanche court beight is destrictions prior to estimate, it any disrepanche court.

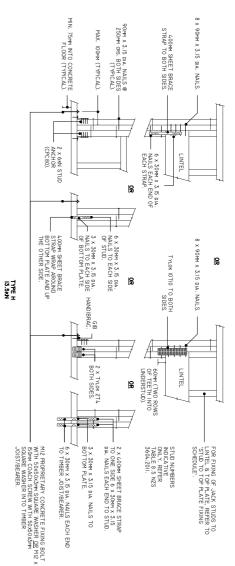


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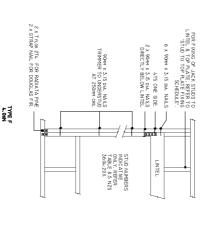
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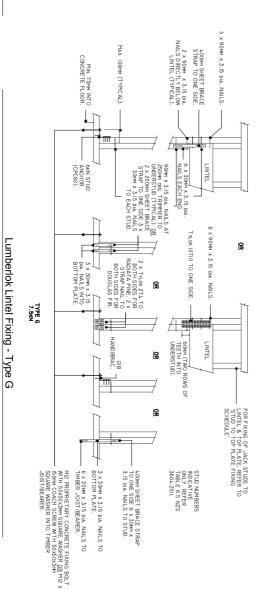






Lumberlok Lintel Fixing - Type H





PROJECT 23 Te Rata Blvd PROPOSED DWELLING

23 Te Rata Blvd Paerata Auckland

REV. DRAWING ISSUE DATE

Lumberlok Lintel Fixing - Type F

DESCRIPTION

PROJECT No **Lintel Fixing Details**

DRAWING INFO

SCALE AT A3

22-017 as shown

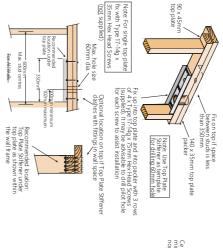
SHEET No: A105

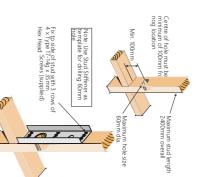
BCO10366938 Received by Auckland Council 28/04/2023 All construction shall be in accordance with NBC fundació and approed document. NBSADCO and social betternés all activity equipments. Al planes à building social scalegor to come approval. All immersions a burdegorand en extraction to the checked prior to commercement all airests. Do NDT case del desautago. Coust reference all diseases, comfini sale treist. Note the spirit of the contraction of the spirit of the spirit

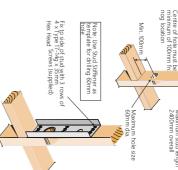




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TOP PLATE STIFFNER DETAIL

BRACING NOTES:

TO BE PROVIDED ALONGSIDE THE PERIMETER STUD. 90mm TO THE EDGE OF THE BRACED ELEMENT. A BLOCK MAY NEED POWER OUTLETS) OF 90 X 90mm OR LESS MAY BE PLACED NO CLOSER THAN TO OPENING TRIMMERS AT 150mm CENTRES. SMALL OPENINGS (E.G., MORE THAN ONE THIRD OF THE ELEMENT HEIGHT. WALL LININGS ARE FIXED ELEMENT"S LENGTH AND HEIGHT. NEITHER OPENING DIMENSION SHALL BE OPENINGS ARE ALLOWED WITHIN THE MIDDLE THIRD OF A WALL BRACING

> EXTERNAL PLYWOOD BRACING TO BE INSTALLED PRIOR TO INSTALLING CLADDING. REFER TO MANUFACTURER SPECIFICATION.

KEYS:

2 140x35 CEILING PLANE BRACE OR DRAGON TIES FIXED TO NZS3604

PORTAL	PORTAL SCHEDULE:	
LABEL	SIZE	SUPPORT
A1	200 PFC PORTAL	C ₂
В1	250 PFC PORTAL	C
Ω	200 PFC PORTAL LEG	
C	250 PFC PORTAL LEG	

DRAWING ISSUE

REV.

PROPOSED DWELLING

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

DATE

DESCRIPTION

DRAWING INFO

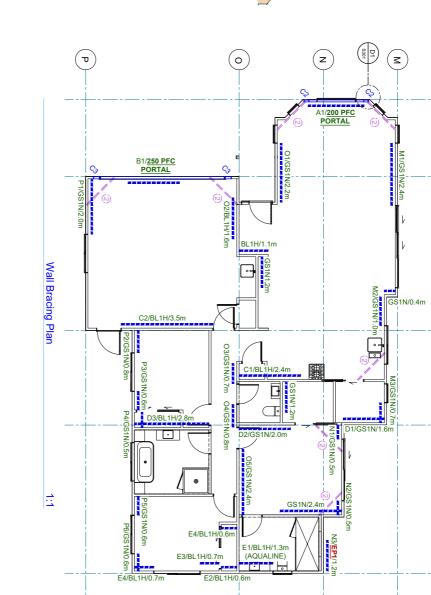
22-017 as shown

SHEET No: A106

All construction shall be in accordance with NZSC handbook and approved documents. NZSSQ42011 and local tentheonial anthonity requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all works DO-NOT scale off



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SCALE AT A3 **Bracing Plan** PROJECT No:

30/05/2023

GIB SYSTEM SPECIFICATIONS

GIB EzyBrace® Systems specification GS1-N

GS1-N	code	Specification
0.4	length (m)	Minimum
Any 10mm or 13mm GIB® Standard plasterboard to one side only		Lining requirement

Wall framing to comply with; WALL FRAMING

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

timber is recommended. and non-bearing walls. The use of kiln dried stress graded NZS 3604:2011 stud and top plate tables for load bearing Framing dimensions and height as determined by

BOTTOM PLATE FIXING

or three power driven 90 x 3.15mm nails at 600mm centres. Pairs of hand driven 100 x 3.75mm nails at 600mm centres;

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. Internal Wall Bracing Lines: In accordance with the requirements

plate fixing. requirements of NZS 3604:2011 for external wall bottom External Wall Bracing Lines: In accordance with the

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

PERMITTED ALTERNATIVES

GIB EzyBrace® Systems literature. For permitted GIB® plasterboard alternatives refer to p. 5 in

FASTENING THE LINING

Dual Thread Screws. using the GIBFix® Angle use only 32mm x 7g GIB® Grabber® GIB® Grabber® Dual Thread Screws or 30mm GIB® Nails. If

Fastener centres

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

JOINTING

from any sheet end or cut edge.

Joint strength is important in delivering bracing system performance. All fastener heads stopped and all sheet joints the GIB® Site Guide. GIB® Joint Tape reinforced and stopped in accordance with

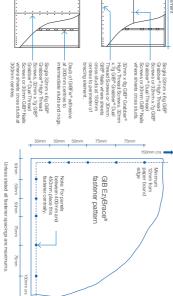
32mm x 6g GIB® Grabber® High Thread Screws, 32mm x 7g

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

Concrete floor

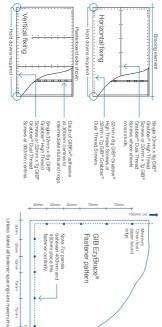
of the bracing element bottom plates are to be fixed in The GIB HandiBrac® is recommended. See details in GIB EzyBrace® Systems or GIB® Site Guide. Within the length accordance with the requirements of NZS 3604:2011. Use panel hold downs at each end of the bracing elemen

- A layer of 10mm or 13mm GIB Braceline.®



Horizontal fixing

in arder for GIB* systems to perform as tested, all components must be installed eacity as prescribed. Substituting components produces an entirely different system and may seriously compromise performance. Follow the specification sheel is lissued in conjunction with the publication GIB Explance* Systems



GIB EzyBrace Fastener pattern

In order to Cld" systems to perform as asset, 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 asseed in conjunction with the publication GB Eg/B ace* Systems

REV. DRAWING ISSUE DATE

PROPOSED DWELLING

23 Te Rata Blvd Paerata Auckland 23 Te Rata Blvd

DESCRIPTION

Gib Board Details

DRAWING INFO

PROJECT No 22-017 as shown

SCALE AT A3

SHEET No: A107

BCO10366938 Received by Auckland Council 28/04/2023 All construction shall be in accordance with NIBC handbook and approved documents, NIZSS492011 and load territeroil authority requirements. All plans & building work is subject to counci approval. All dimensions & underground service locations to be checked prior to commencement of all works. DO-NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & restrictions prior to earthworks. If any discrepancies occu

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GIB EzyBrace® Systems specification BL1-H

WALL FRAMING

Wall framing to comply with;

NZBC B1 — Structure B1/AS1 Clause 3 Timber

GIB EzyBrace® Systems literature.

For permitted GIB® plasterboard alternatives refer to p. 5 in

PERMITTED ALTERNATIVES

- (NZS 3604:2011). NZBC B2 Durability B2/AS1 Clause 3.2 Timber (NZS 3602).
- Framing dimensions and height as determined by NZS 3604:2011 stud and top plate tables for load bearing

timber is recommended. and non-bearing walls. The use of kiln dried stress graded

only 32mm x 7g GIB® Grabber® Dual Thread Screws.

Fastener centres

150mm thereafter around the perimeter of the bracing

Framing System or if fastening through GIBFix® Angles use

7g GIB® Grabber® Dual Thread Screws. If using the GIBFix® 32mm x 6g GIB® Grabber® High Thread Screws or 32mm x

BOTTOM PLATE FIXING

EzyBrace® Systems or GIB® Site Guide. The GIB HandiBrac® is recommended. See details in GIB Use panel hold downs at each end of the bracing element

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

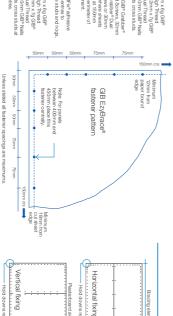
from any sheet end or cut edge.

JOINTING

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

GIB® Joint Tape reinforced and stopped in accordance with the performance. All fastener heads stopped and all sheet joints Joint strength is important in delivering bracing system





B E E

DESIGN AND CONSTRUCTION

Bracing strap installation

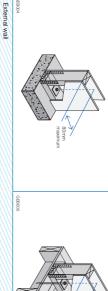
Care needs to be taken with the installation of the bracing strap. It should be checked in to be flush with the face of the stud providing a flat substrate for the plasterboard and

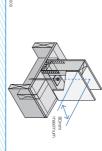
positioned in such a way that the comer fastenings of the bracing element are not affected by it. Keeping the strap to the edge of the end stud as shown will allow the comer fastenings to be installed without having to penetrate the bracing strap.

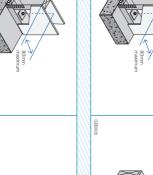
Concrete floor Timber floor

 $400 \times 25 \times 0.9$ nm galvanised strap to pass under the plate and up the other side of the stud. Six 30×2.5 mm flat head galvanised nails to each side of the stud. Three 30×2.5 mm flat head galvanised nails to each side of the plate. Hold down bolt with $50 \times 50 \times 3$ mm washer to be fitted within 80mm of the end of the element.

Internal wall









A mechanical fastening with a minimum characteristic uplift capacity of 15kN or use supplied BT10/140 screwbolt in GIB HandiBrac® pack.

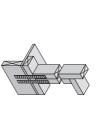
12 \times 150mm galvanised coach screw or use supplied BT10/140 screwbolt in GIB HandiBrac® pack.

Hold-down fastener requirements

gib.co.nz/library.

CAD design. These are identified by a unique number in the bottom comer of each detail box that can be found at

Note: Where applicable drawings have been produced for



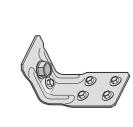
A mechanical fastening with a minimum characteristic uplift capacity of 15kN fitted with a 50 \times 50 \times 3mm square washer within 80mm of the ends of the bracing element.	Concrete floor	Hold-down fastener requirements	
12 x 150mm galvanised coach screw fitted with square washer within 80mm of the ends of the	Timber floor		GEROUN

GIB HandiBrac® installation

has been designed and tested by Winstone Wallboards for use in GIB EzyBrace® elements that require hold-downs. The GIB Developed in conjunction with MiTek™, the GIB HandiBrac® HandiBrac® is a substitute for bottom plate hold-down straps.

- Quick and easy to fit.
- May be fitted at any stage before lining. Framing face is clear to allow flush lining.
- Easily inspected.

accordance with NZS 3604:2011. is suitable for timber and concrete floors constructed in The GIB HandiBrac® with BOWMAC® blue head screw bolt



Concrete floor		Timber floor	
External walls	Internal walls	External walls	Internal walls
	CEUPO O	GENTH CONTRACTOR OF THE PARTY O	CERRO CO
Position GIB HandiBrac® as close as practicable to the internal edge of the bottom plate.	Position GIB HandiBrac® at the stud/plate junction and at mid-width of plate.	Position GIB HandiBrac® flush with the outside stud face, as close as practicable to the centre of the boundary joist.	Position GIB HandiBrac® in the centre of floor joist or full depth solid block.

bracing element ha 50 x 50 x 3mm

Gib Board Details

DRAWING INFO

SCALE AT A3 PROJECT No

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

PROPOSED DWELLING

DRAWING ISSUE REV.

DATE

DESCRIPTION

22-017 as shown

SHEET No: A108

All construction shall be in accordance with NIBC handbook and approved documents, NIZSS492011 and load territeroil authority requirements. All plans & building work is subject to counci approval. All dimensions & underground service locations to be checked prior to commencement of all works. DO-NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & restrictions prior to earthworks. If any discrepancies occu ask the designer or contractor immediately before commencing works or ordering any materials. Contractor must locate relevant



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7.7 ECOPLY® BARRIER BRACING SPECIFICATION - EPBI

Table 5: Sided Structural Plywood Brace

0.4m 80 95 EPB() 0.6m Ecoply® Barrier one side Yes GIB HandiBrac® 95 105 1.2m 120 135	Specification No. Minimum Wall Length	Minimum Wall Length	Lining Requirements	Hold-Down	BUs/m Wind	BUs/m Earthquake
0.6m Ecoply® Barrier one side Yes GIB HandiBrac® 95 1.2m 120		0.4m			80	95
120	EPB1	0.6m	Ecoply® Barrier one side	Yes GIB HandiBrac®	95	105
		1.2m			120	135

Wall framing must comply with

- NZBC BI Structure: ASI Clause 3 Timber (NZS 3604)
- NZBC B2 Durability: ASI Clause 3.2 Timber (NZS 3602)

such as Laserframe®, is recommended. must be used. Machine stress graded timber of minimum SG8. load bearing walls. Kiln dried verified structural grade timber NZS 3604 stud and top plate tables for load bearing and non Framing dimensions and height are as determined by the

Bottom Plate Fixing

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

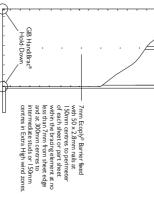
part sheet. A 2-3mm expansion gap should be left centres is carried out around the perimeter of each sheet or to framing. If part sheets are used, ensure nailing at required One layer of 7mm Ecoply® Barrier vertically fixed directly

Fastening Ecoply® Barrier Panels

Do not overdrive, nails must be full round head. edges. Screws cannot be used. Power driven nails are suitable. nails direct fix. Place fasteners no less than 7mm from sheet Fasten with 50×2.8 mm galvanised or stainless steel flat head

required, annular grooved nails must be used. fastener selection advice. Where stainless steel nails are and Installation Guide for these circumstances and further required. Refer to section 7.1 in the Ecoply Barrier Specification In certain circumstances stainless steel fasteners may be

one sheet forms the brace element each sheet must be nailed off of each sheet and 300mm centres to intermediate studs or independently. 150mm centres in Extra High wind zones. Where more than Fasteners are placed at 150mm centres around the perimeter



7.11 GIB HANDIBRAC® - RECOMMENDED INSTALLATION METHOD

been tested for use as a hold-down in all EPB bracing elements Developed in conjunction with MiTek®, the GIB HandiBrac® has

- The GIB HandiBrac® registered design provides for quick and
- The GIB HandiBrac® provides a flush surface for the wall linings in the framing as recommended with conventional straps because it is fitted inside the framing. There is no need to check
- The GIB HandiBrac® is suitable for both new and retrofit

The design also allows for installation and inspection at any

stage prior to fitting internal linings.

Concrete Floor

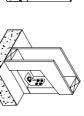
External Walls

Internal Walls

External Walls

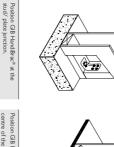
Internal Walls

Timber Floor











practicable to the internal edge of Position GIB HandiBrac® as close as

solid block. centre of the floor joist or full depth Position GIB HandiBrac® in the

Hold-down Fastener Requirements

M12 x 150mm galvanised coach screw or screw bolt supplied with the

of I5kN or screw bolt supplied with the bracket. Hold-down Fastener Requirements

n of Winstone Wallboards Ltd

Ecoply Barrier Hold Down Details

A mechanical fastening with a minimum characteristic uplift capacity

Ecoply Barrier Brace - EBP1

FROJEC	UKAW
PROPOSED DWELLING	REV.
23 TeRata Blvd	
Paerata	
23 Te Rata Blvd Paerata Auckland	

PROPOSE PROJECT

WING ISSUE DATE

DESCRIPTION

Bracing Details

DRAWING INFO

SCALE AT A3 PROJECT No

> 22-017 as shown

SHEET No: A109 All construction shall be in accordance with NIBC handbook and approved documents, NIZSS492011 and load territeroil authority requirements. All plans & building work is subject to counci approval. All dimensions & underground service locations to be checked prior to commencement of all works. DO-NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & restrictions prior to earthworks. If any discrepancies occu designer or contractor immediately before commencing rordering any materials. Contractor must locate relevant



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FOUNDATION NOTES

PLAN PRIOR TO SETTING OUT SLAB. FOUNDATION PLAN WITH THE FLOOR

DESIGN TO TAKE PRECEDENCE. DISCREPANCIES OCCUR ENGINEERS READ IN CONJUNCTION WITH DESIGN. ALL PLANS AND DETAILS TO BE FOUNDATION AS PER ENGINEERS ADJOINING ENGINEERS DESIGN. IF ANY

THE CONTRACTOR SHALL ACCURATELY LOCATE THE POSITIONS OF ALL PUBLIC DRAINS ON SITE KNOW TO THE NAVIGATION HOMES BEFORE PRIOR TO STARTING WORK. ANY DISCREPANCIES COMMENCING ANY FURTHER WORKS. FOUND IN THESE DRAWINGS ARE TO BE MADE

DRAINLAYER TO CONFIRM PLUMBING/ DRAINAGE ROUTES BEFORE POURING OF CONCRETE SLAB. 3500.2.2:2003 PLUMBING/ DRAINAGE AS PER AS/NZS

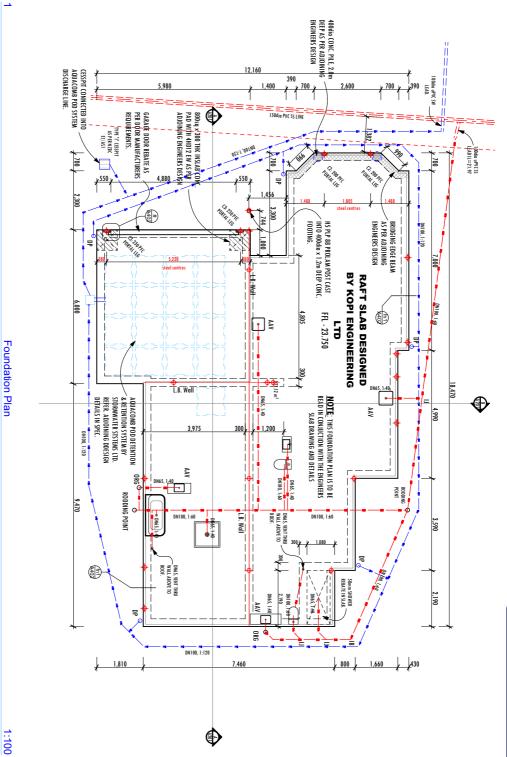
BAY DIMENSIONS FORMED BY SAWCUTS SHALL BE LIMITED TO A MAXIMUM RATIO OF BEEN POURED LENGTH:WIDTH OF 2:1. SAWCUTS SHOULD BE CARRIED OUT ABOUT 24 HOURS AFTER SLAB HAS

CONTRACTOR TO ENSURE ALL CONCRETE ENCASED SERVICES ARE IN PLACE BEFORE POURING OF CONCRETE SLAB. WHERE SERVICE PIPES PASS ALLOW FOR MOVEMENT. TAPE PIPES TO SEAL PENETRATIONS WHERE THEY PASS THROUGH THE DPM. THROUGH SLAB WRAP IN PROTECTIVE TAPE TO

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By chande at 10:36 am, May 24, 2023



FOUNDATION PLUMBING NOTES

TO EARTHWORKS. CONTRACTOR TO LOCATE ALL SERVICE CONNECTION ON SITE PRIOR PLUMBING TO AS/NZS:3500.2.2 (min. 1:60 PIPE GRADIENT) BY

ALL WASTE PIPES PYC. SIZES, FALLS, VENTING, LOCATIONS AND DISCHARGE TO BE CONFIRMED BY NZ QUALIFIED PLUMBER.

| MIN. PVC FIXTURE WASTE SIZES: | DIMO BASINS, DIMO SINGLE HEAD SHOWERS, BATHS, SINKS & LINDY | TUBS. 20mm HWC COPPER VENT DRAIN DNSO MULTIPLE HEAD SHOWERS, DN65 UNVENTED BRANCH DRAINS

WEATHERPROOF BY PLUMBER WITH COMPATIBLE FLASHING SEALED 65mm DIA uPVC TERMINAL VENT AND CAP TO ROOF DN100 SOIL STACK DRAIN FROM UPPER FLOOR TO SLAB

DRAWING ISSUE

PROPOSED DWELLING

PROJECT

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

DATE

REV.

DESCRIPTION

DRAWING INFO

Foundation Plan

SCALE AT A3 PROJECT No

22-017 as shown

SHEET No: A110 All construction shall be in accordance with NZBC handbook and approved documents, NZSB427011 and local temberoil authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all works. DO-NOT scale off drawings. Cross reference all drawings, confirm site levels, floor neights & restrictions prior to earthworks. If any discrepancies occu-



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ROOF PLAN NOTES

A

무

27.9 sqm

solortube O

20.2 sqm

9.8 sqn

3

228.3 sqm 19.6 sqm

13.4 sqm

48.2 sqm

[xyligh]

38

Roof Plan

1:200

RO OF PITCH - 30deg C/STEEL CORR. LONGRUN ROOFING 70×45 PURLINS AT 900crs TIMBER TRUSSES DESIGNED BY MANUFACTURER
155 METALCRAFT FASCIA, COLOURSTEEL GUTTERING ROOF BRACING AS PER NZS3604: 2011 TABLE 10.16 WIND ZONE- HIGH OVERHANG - AS SHOWN, 4.5mm HARDIFLEX SOFFIT LINING PAINTED 800 COLORSTEEL DOWNPIPES

LIGHT PITCHED

ROOF PLANE DIAGONAL BRACE (RPB)
ONE PER 50m2 OF ROOF PLANE PLAN AREA

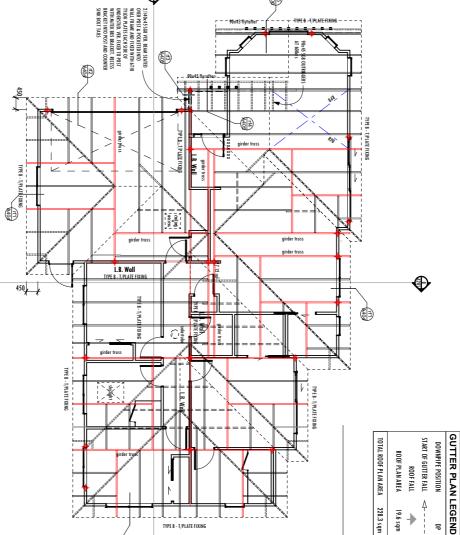
Each roof plane diagonal brace shall (see figure 10.22, NZS 3604 chord or rafter that is intersected, and to the top plate. (a) Run at 45deg to the ridge line and from the ridge to the A diagonally opposing pair of continuous steel strips each ving a capacity of 8.0 kN in tension, fixed to each top tinuous length of 90 mm x 19 mm timber; or

INDICATES POINT LOADS

THIS TRUSS PLAN IS TO BE READ IN CONJUCTION WITH THE TRUSS MANUFACTURERS FINAL ROOF FRAMING DESIGN & SCHEDULE FOR NUMBER OF, AND TYPE OF CONTACT PRE-CUT MANUFACTURER OR DAVID REID NZS.3604:2011. IF ANY DISCREPANCIES OCCUR FIXINGS REQUIRED. FIXINGS TO BE EQUIVALENT TO OR EXCEED THE MINIMUM REQUIREMENTS OF

ROOF FIXINGS HIGH WIND ZONE

BATTENS	RAFTERS	TRUSSES	ROOF MEMBER
1/10g SELF-DRILLING SCREW, 80mm LONG	2/90x3.15 SKEW NAILS & 2 Wire dogs	2/90x3.15 SKEW NAILS & 2 WIRE DOGS	FIXING DESCRIPTION
2.4 kN	4.7 kN	4.7 kN	FIXING CAPACITY



TYPE B - T/PLATE FIXING



PROPOSED DWELLING

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

REV. DRAWING ISSUE DATE

DESCRIPTION

Roof Framing Plan

DRAWING INFO

SCALE AT A3 DRAWN BY: PROJECT No

22-017 as shown

SHEET No: A111

BCO10366938 Received by Auckland Council 28/04/2023 All construction shall be in accordance with NBC fundació and approed document. NBSADCO and social betternés all activity equipments. Al planes à building social scalegor to come approval. All immersions a burdegorand en extraction to the checked prior to commercement all airests. Do NDT case del desautago. Coust reference all diseases, comfini sale treist. Note the spirit of the contraction of the spirit of the spirit



STUD.

TOP PLATE.

HALVED JOINT FIXED WITH 3/75x3.15mm NAILS.

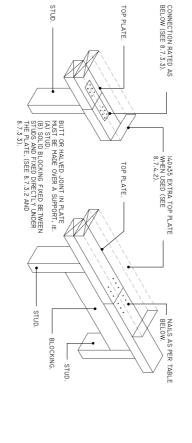
Top Plate Connection - Non Braced Walls Fig. 8.14

CONNECTING TOP PLATES WALLS NOT CONTAINING BRACING (SEE 8.7.3.2).

(A) HALVED JOINT

(B) BUTT JOINT

STUD.



(A) BUTT JOINT OVER STUD

(B) BUTT JOINT OVER BLOCKING CAPACITIES OF NAILED JOINTS (2)

UP TO 3KN UP TO 6KN	CAPACITII
3/30x3.15mm NAILS PER SIDE 6/30x3.15mm NAILS PER SIDE	CAPACITIES OF METAL PLATE JOINTS (2)

UP TO 3KN

3/100x3.75mm NAILS PER SIDE 6/100x3.75mm NAILS PER SIDE

Lumberlok Top Plate Fixing Type B

NOTE
(1) SEE SECTION 4 DURABILITY REQUIREMENTS.
(2) NOT REQUIRED WHEN EXTRA TOP PLATE IS USED.

CONNECTING TOP PLATES IN LINE - WALLS CONTAINING BRACING (SEE 8.7.3.3)

Top Plate Connection - Braced Walls Fig. 8.15

23 Te Rata Blvd Paerata Auckland	Paerata	23 TeRata Blvd	
D			

PROPOSED DWELLING

REV. DATE DRAWING ISSUE

DESCRIPTION

Wall Connection Details DRAWING INFO

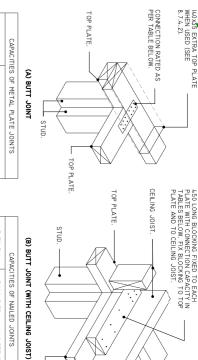
SCALE AT A3 PROJECT No 22-017

as shown

SHEET No: A112

All construction shall be in accordance with NBC fundació and approed document. NBSADCO and social betternés all activity equipments. Al planes à building social scalegor to come approval. All immersions a burdegorand en extraction to the checked prior to commercement all airests. Do NDT case del desautago. Coust reference all diseases, comfini sale treist. Note the spirit of the contraction of the spirit of the spirit

30/05/2023



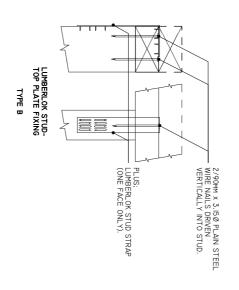
CONNECTING TOP PLATES TO EXTERNAL WALLS AT RIGHT ANGLES - WALLS CONTAINING BRACING (SEE 8.7.3.4). 3/30x3.15MM NAILS PER SIDE 6/30x3.15MM NAILS PER SIDE

UP TO 3KN CAPACITIES OF NAILED JOINTS 3/100x3.75MM NAILS PER SIDE 6/100x3.75MM NAILS PER SIDE

TOP PLATE.

Top Plate Connection - Braced Walls Fig. 8.16

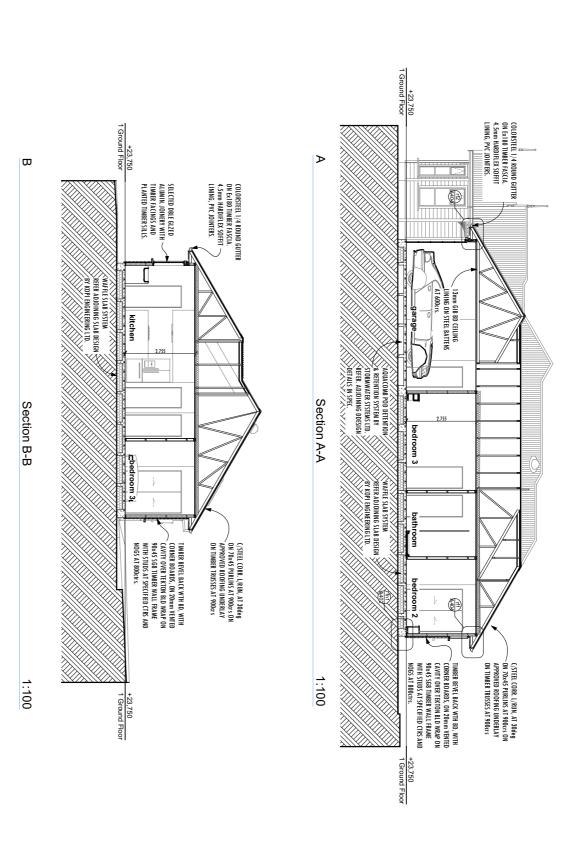
NOTE
(I) SEE SECTION 4 FOR DURABILITY REQUIREMENTS.



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SCALE AT A3

22-017 as shown

SHEET No: A201

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PROPOSED DWELLING

REV. DRAWING ISSUE

DATE

DESCRIPTION

DRAWING INFO

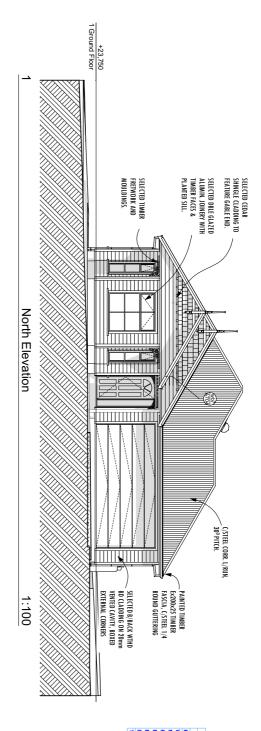
Sections PROJECT No

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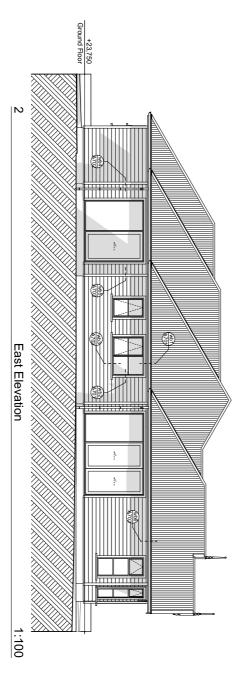
All construction shall be in accordance with NZBC handbook and approved documents, NZSB42011 and local tentieronal anthonity requirements. All plans & building work is subject to council approval. All dimensions is underground service locations to be checked prior to commencement of all works, DO-NOT scale off PRESITE DESIGN LIMITED

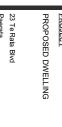












23 Te Rata Blvd Paerata Auckland

REV. DRAWING ISSUE DATE

DESCRIPTION

Elevations DRAWING INFO

SCALE AT A3 PROJECT No:

22-017 as shown

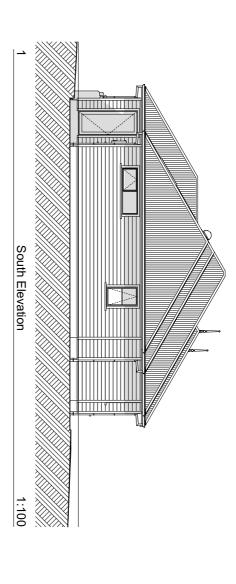
SHEET No: A301

All construction shall be in accordance with NBC fundació and approed document. NBSADCO and social betternés all activity equipments. Al planes à building social scalegor to come approval. All immersions a burdegorand en extraction to the checked prior to commercement all airests. Do NDT case del desautago. Coust reference all diseases, comfini sale treist. Note the spirit of the contraction of the spirit of the spirit



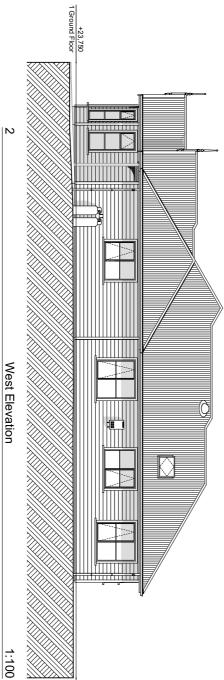
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1 Ground Floor

OWELLING	1 10 10 10 10 10 10 10 10 10 10 10 10 10	23 To Rate Blvd	PROPOSED DWELLING
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PROJECT

23 Te Rata Blvd Paerata Auckland

DRAWING ISSUE DATE

DESCRIPTION

DRAWING INFO

SCALE AT A3 Elevations PROJECT No:

22-017 as shown

BCO10366938 Received by Auckland Council 28/04/2023

SHEET No: A302

All construction shall be in accordance with NBC fundació and approed document. NBSADCO and social betternés all activity equipments. Al planes à building social scalegor to come approval. All immersions a burdegorand en extraction to the checked prior to commercement all airests. Do NDT case del desautago. Coust reference all diseases, comfini sale treist. Note the spirit of the contraction of the spirit of the spirit



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Page 16 of 30 **Building Consent BCO10366938 Approved by Auckland Council**

30/05/2023

Fill (see note 1)

MAXIMUM DIAMETER OF PIPE SERVICES

ELEMENT SOmm WOE EDGE BEAN SOmm LOCALIZED WIDE EDGE BEAN (1)	VERTICAL SERVICE SOMM NOMINAL BORE PIPE 100mm NB PIPE 50 NB PIPE	HORIZONT AL SERVICE 100mm NB PIPE 100mm NB PIPE 100mm NB PIPE
300mm WIDE INTERNAL LOAD BEARING RIB	50 NB PIPE	100mm NB PIPE
100mm WIDE INTERNAL RIB	NL	100mm NB PIPE
SLAB	100 NB PIPE, OR FOR LARGE SERVICES 450mm SQUARE SEE ALSO NOTE 3	NE

NOTES:

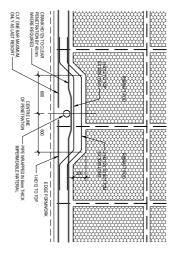
- FIG. STULVIONS WHERE A TOOM-OLMETER-PRE SEQUENCE DY DAYS VERTICALLY THROUGH THE EDGE BEAM THE EDGE BEAM SHE EDGE BEAM THE EDGE THE SHAW THE EDGE BEAM SHE BEAM SHE BEAM THE EDGE THE SHAW THE EDGE BEAM SHE BEAM SHE BEAM THE EDGE THE SHAW THE EDGE THE SHAW THE EDGE BEAM SHE BEAM SHE BEAM THE EDGE THE SHAW THE EDGE THE SHAW THE EDGE THE SHAW THE SH

EXAMPLE OF DETAILING REQUIREMENTS FOR SERVICES

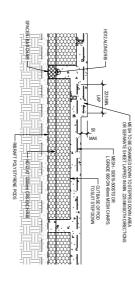
MAX NAX

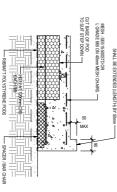
- PIPE WRAPPED IN 6mm THICK IMPERME ABLE MATERIAL

LOCALISED INCREASE IN WIDTH AT EDGE BEAM WHERE VERTICAL SERVICE UP TO 100mm DIAMETER ARE REQUIRED



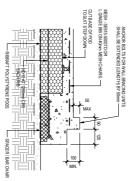
DETAILS WHERE RECESSES OF UP TO 50mm ARE REQUIRED FOR REBATED SHOWERS





HORIZONTAL PENETRATION THROUGH EDGE BEAM

VERTICAL PENETRATION THROUGH EDGE BEAM



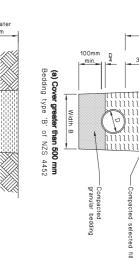
ANCHOR BOLTS FOR WALL BRACING UNIT SHALL BE EXTENDED (LENGTH) BY 50mm

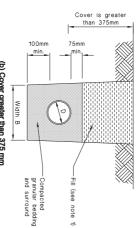
LARGE PENETRATION THROUGH SLAB (SHOWER/WASTE TRAPS)

SMALL VERTICAL PENETRATION
THROUGH SLAB

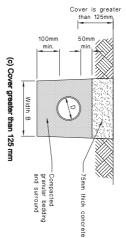
- PIPE WRAPPED IN 6mm THICK INPERMEABLE MATERIAL

RIB RAFT FLOOR - SET-DOWN DETAIL FOR MAX. 50mm REBATED SHOWER





Bedo	(b)	
ina type 'D'	(b) Cover greate	
of NZS 4452	greater than 375 mm	



NOTE:

1. Fill shall be
-Ordinary fill where drains are located below gardens and open country.
-Compacted selected fill where the drains are located below residential driveways and similar areas subjected to light traffic.

Bedding and Backfilling

PROPOSED DWELLING

HORIZONTAL PENETRATION THROUGH INTERNAL BEAM

Į į

IMPERMEABLE MATERIAL

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

REV.
DATE

DRAWING ISSUE

DESCRIPTION

Foundation Details

DRAWING INFO

SCALE AT A3 DRAWN BY: PROJECT No: 22-017 as shown

SHEET No: A401

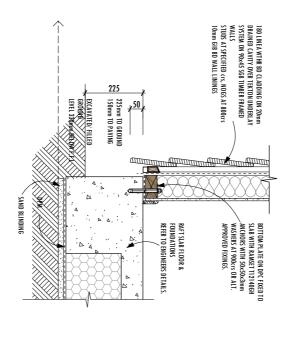
requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commercement of all works. DO-NOT scale off

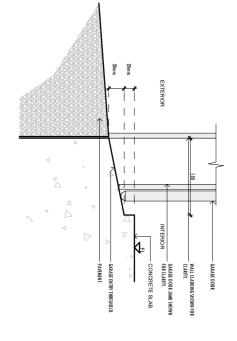


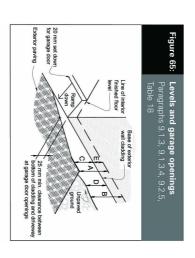
Page 17 of 30 Building Consent BCO10366938 Approved by Auckland Council











Garage Door Rebate Detail

-<u>1</u>

Concrete	(mm)	Minimum	Table 18:
te		lces Im	99
100	Þ	Masonry veneer	Minimum clearances Paragraphs 9.1.3, 9.1.3.1, 9.1.3.2 9.1.3.3, 9.1.3.4, 9.1.3.5 and 9.2.7
150	œ	onry	num (raphs 3, 9.1
150	Þ	0	cleara 9.1.3, .3.4, §
225	œ)ther	nces 9.1.3
100	ဂ	Other claddings	:1, 9. and
100 150 150 225 100 175 50	D	ings	1.3.2, 9.2.7
50	т		

NZBC GARAGE OPEING THRESHOLD -<u>1</u>

DRAWN BY:	SCALE AT A3	PROJECT No:	Foundation Details
RM	as shown	22-017	

SHEET No: A402 All construction shall be in accordance with NSC furshook and approved document. NSSSSACCH and both elements all all miny mealurements. All planes a building peak is subject to count approval. All of intersooks a building peak of its confirmation to the cheed point or commencement all all works sook of the cheed point or commencement all all works (DAVI) such all disassing Cours defence all disassings; comfin safe levels, floor height is the includious private out invalud. It all y disreparches court height is the includious private out invalud. It all y disreparches court.



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SCALI

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

PROPOSED DWELLING

PROJECT

DRAWING ISSUE REV.

DRAWING INFO

DATE

DESCRIPTION

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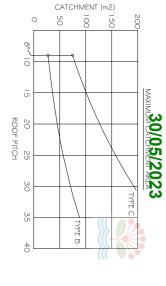
Foundation Detail

1:10

Page 18 of 30 Building Consent BCO10366938 Approved by Auckland Council

ROOFING INDUSTRIES -CORRUGATE A VALLEY GUTTER CORRUGATED PROFILE -) 1:5 CLEARANCE BET. ROOFING = 80mm WIDTH 250mm min VALLEY RAFTER ROOFING WRAP
CONTINUOUS UNDER
GUTTER IF TREATED UNDERLAY SOLID SUPPORT FOR VALLEY GUTTER TIMBER IS USED







(1) ADDITION OF CENTRAL BAFFLE RECOMMENDED (2) ROOF PITCHES BELOW δ° REQUIRE AN INTERNAL GUTTER

VIND ZONE	MINIMUM mm (X)
^ NZS3604)	TRANSVERSE FLASHING OVER ROOFING
ATION I (1)	130 (3)
ATION 2 (2)	200 (3)

ROOF PITCH TYPE B TYPE C

VALLEY DEPTH

>12-35° 8-12°

70 70 75

50 50 75

- (1) SITUATION 1: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF FITCH IS 10° OR GREATER.

 (2) SITUATION 2: FOR ALL ROOF FITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES, FOR THAN LOOP, STAN LO

SITUATION 2 (2)	SITUATION I (1)	(As per NZ53604)	SITE WIND ZONE
200 (3)	130 (3)	TRANSVERSE FLASHING OVER ROOFING	MINIMUM mm (X)

RIDGE FLASHING — PURPOSE MADE TO MATCH ROOF PITCH

ROLL TOP RIDGE FL

UNDERLAY

SOFT EDGE DRESSED OVER CORRUGATE ROOFING INDUSTRIES

1	\triangleright
1:5	ROLL TOP VERSION CORRUGATED PROFILE

ROOF	DISTANCE Y mm	ΕΥm
	I NOITAUTIS	2 NOITAUTIS
8°	W/N	812
10°	167	217
15°	162	212
20°	156	206
25°	150	200
30°	143	193
35°	134	184
4:0°	125	175
45°	511	165

FOR STANDARD 50mm PURLINS ON FLAT

SCALE AT A3 PROJECT No Roof Details

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

PROPOSED DWELLING

DRAWING ISSUE REV.

DATE

DESCRIPTION

22-017 as shown

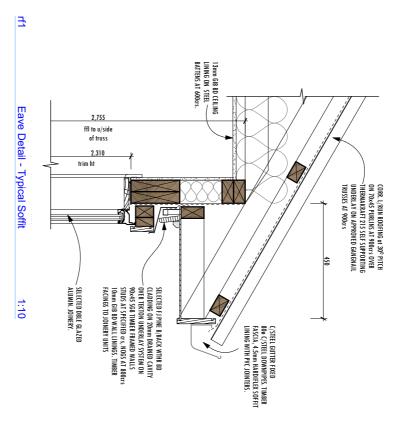
SHEET No: A403

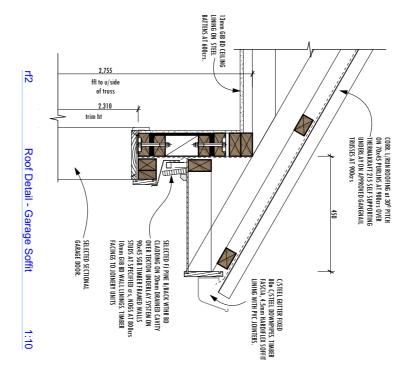
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SHEET No: A404

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BCO10366938 Received by Auckland Council 28/04/2023

23 Te Rata Blvd Paerata Auckland

REV. DATE

23 Te Rata Blvd

PROJECT

PROPOSED DWELLING

DRAWING ISSUE

DESCRIPTION

SCALE AT A3 PROJECT No:

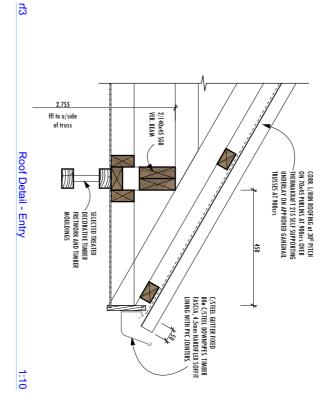
Roof Details DRAWING INFO

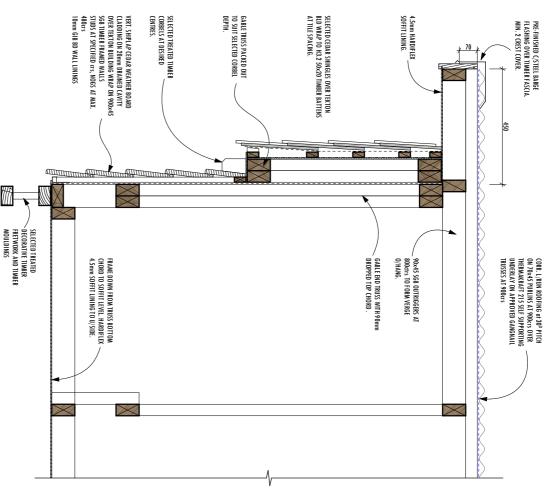
22-017 as shown

Page 20 of 30 Building Consent BCO10366938 Approved by Auckland Council









SHEET No: A405 Al construction skill be in accordance with NBC Instruction and approach document, NBCS(skill) and solid instruction all antimy requirements and information and the properties of the propertie



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PROPOSED DWELLING

REV. DRAWING ISSUE

DATE

DESCRIPTION

DRAWING INFO

4

Verge Detail - Entry

1:10

PROJECT

as shown

22-017

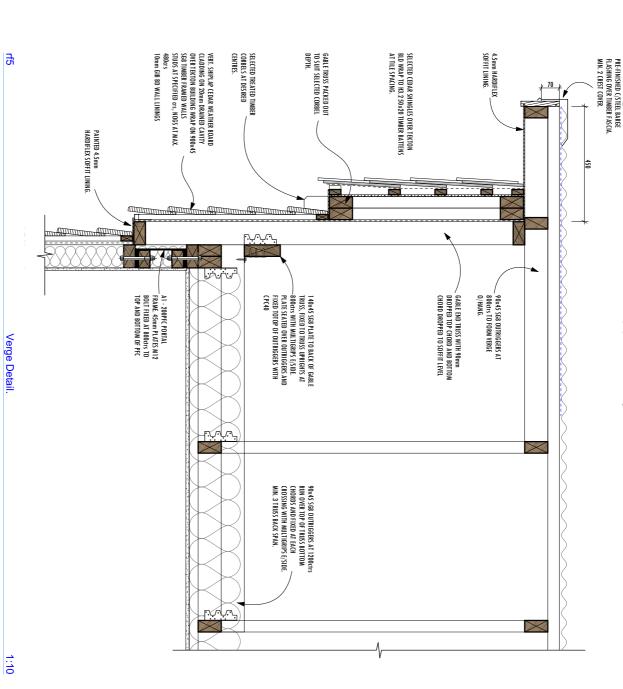
SCALE AT A3

PROJECT No Roof Details

Page 21 of 30 **Building Consent BCO10366938 Approved by Auckland Council**

30/05/2023





BCO10366938 Received by Auckland Council 28/04/2023

SCALE AT A3

PROJECT No Roof Details

22-017 as shown

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

PROPOSED DWELLING

REV. DRAWING ISSUE

DATE

DESCRIPTION

DRAWING INFO

PROJECT

SHEET No: A406

Al construction skill be in accordance with NBC Instruction and approach document, NBCS(skill) and solid instruction all antimy requirements and information and the properties of the propertie ask the designer or contractor immediately before commenting works or ordering any materials. Contractor must locate relevant

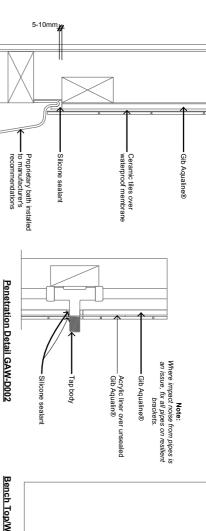


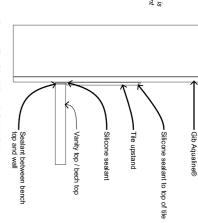
Page 22 of 30 Building Consent BCO10366938 Approved by Auckland Council

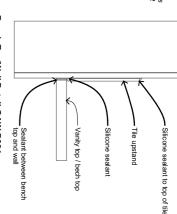
WET AREA WATERPROOFING
WET AREAS WATERPROOFING BEHIND TILES WITH DAVICO K 10 PLUS
WATERPROOFING MEMBRANE. MEMBRANE TO BE APPLIED IN STRICT

30/05/2023

ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.



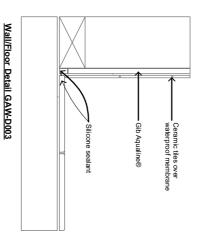


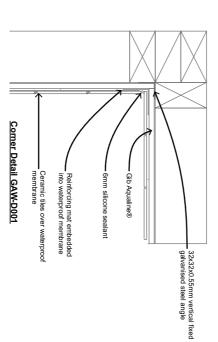


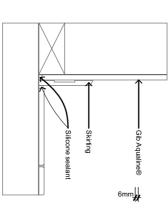


Bath/Wall Detail GAW-D006

Bench Top/Wall Detail GAW-D031







Wall/Floor Detail GAW-D033

PROPOSED DWELLING

23 Te Rata Blvd Paerata Auckland 23 Te Rata Blvd

> DRAWING ISSUE REV. DATE

DESCRIPTION

SCALE AT A3 PROJECT No

Wet Area Details

DRAWING INFO

22-017 as shown

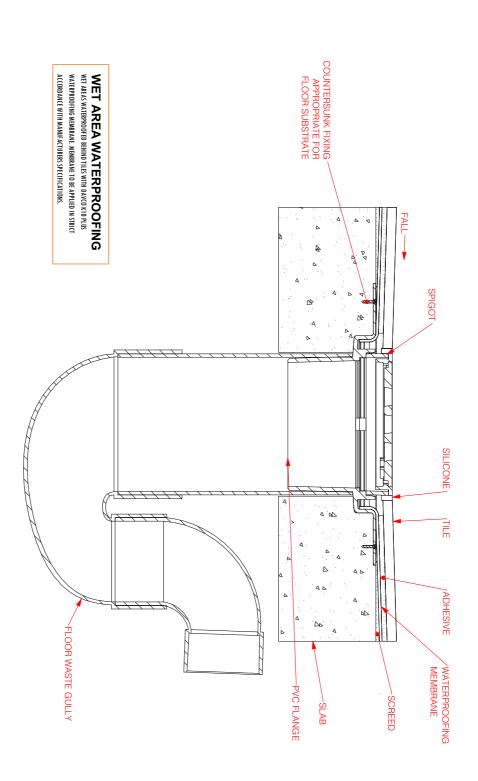
SHEET No: A501 All consections shall be in accordance with NIZC fund ook and approach document. NIZSAD, 2011 and lost interest all attriby requirements. All plans a building proxife subjects come approach All dimensions, building proxife subjects come approach All dimensions, building proxife set business to be released prior to commencement all all works. Op NIZ case of the charges of the control of the charges of the control of the charges of the cha



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23 Te Rata Blvd PROPOSED DWELLING

23 Te Rata Blvd Paerata Auckland

REV. DRAWING ISSUE

DATE

DESCRIPTION

Tile Floor Install-Concrete (2)

<u>:</u>

Wet Area Details

DRAWING INFO

SCALE AT A3 PROJECT No:

22-017 as shown

SHEET No: A502

BCO10366938 Received by Auckland Council 28/04/2023 All consections shall be in accordance with NIZC fund ook and approach document. NIZSAD, 2011 and lost interest all attriby requirements. All plans a building proxife subjects come approach All dimensions, building proxife subjects come approach All dimensions, building proxife set business to be released prior to commencement all all works. Op NIZ case of the charges of the control of the charges of the control of the charges of the cha



TIMBER WALL FRAMING

raming dimensions must comply with the requirements of NZS

- The moisture content of timber framing shall be 18% or less
- Studs shall be spaced at 600mm centres maximum for both at the time of lining

10mm and 13mm GIB® plasterboard

- maximum either side of a horizontal joint line Nogs to be evenly spaced with a maximum spacing of 1350mm. Alternatively, nogs may be staggered 150mm
- Nogs are not required behind horizontal joints except in shower situations or specific fire or noise control systems

Minimum 32mm x 6g GIB®Grabber® High Thread screws.

FASTENER CENTRES

300mm centres to top and bottom plates and to perimete

crosses the studs Single fasteners to each stud where the horizontal joint

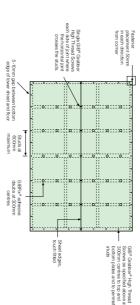
- Place fasteners 12mm from sheet edges and 18mm from
- Daubs of GIBFix® adhesive at 300mm centres to
- Do not place adhesive at sheet edges or under fasteners. Sheet edges at door or window openings can be adhesive fixed unless forming part of the perimeter of a bracing

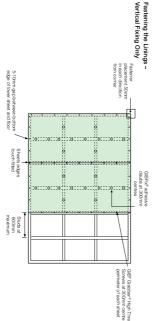
For bracing, noise control or fire rating applications including fastener lengths consult the relevant GIB® technical publication

- Use minimum 10mm GIB®plasterboard
- cleaning dirt and rubbish before sealing Install the sheets leaving a 5-10mm gap at the floor line to allow for movement of the framing members and to allow for

Jointing shall be carried out in accordance with the instructions in the GIB® Site Guide.

Fastening the Linings – Horizontal Fixing Only





8

TILED WALLS - TIMBER FRAMING

TIMBER WALL FRAMING

Framing dimensions and spacing must be appropriate for the tile weight and comply with the requirements of NZS 3604:201 Timber Framed Buildings, or relevant specific design Standard

For impact protection in shower cubicles or shower over bath additional nogs. Also provide nogs: framing. This may require vertical fixing or the installation of situations it is important that all sheet joints are made on solid

LINING AND TILE WEIGHTS

For bracing, noise control or fire rating applications including fastener lengths consult the relevant GIB® technical publication

Where relevant, fastener lengths must comply with the Single fasteners to each stud where the horizontal joint crosses the studs

requirements of GIB® Fire Rated Systems or GIB® Noise

- flashings Adjacent to each pipe penetration and behind sink and tub
- Between all studs above bath flanges and preformed shower bases

CORNER REINFORCING

a minimum over bath only) the internal corners shall be reinforced with Prior to lining in tiled areas (shower cubicles and shower

between the bottom edge of the lining and any bath rim or preformed shower base to allow for placement of sealant

Provide a 5-10mm gap at the wall/floor junction and

GIB® Wet Area linings are suitable for tiling full height of Do not tile on the resilient side of GIB Rail® or STWC

for tiled areas. The remainder of the wall may be fixed as for walls, but if a wall is to be partially tiled (e.g. half high), only the area of wall under the tiles needs to be fixed as required Acoustic Clip (ST001) and channel noise control system Sheets are touch fitted

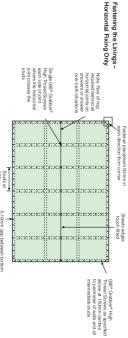
GIB® Wet Area linings may be fixed vertically or horizontally

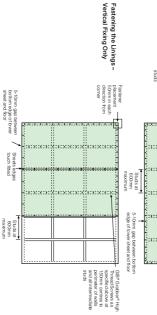
For maximum permitted tile weights refer to pg 16 of this Use minimum 10mm GIB® plasterboard

 $32 \times 32 \times 0.55$ mm NZ18 or $45 \times 45 \times 0.55$ mm GIBF x^{∞} Angles need to be temporarily held in place until secured by the lining fixings.

FASTENER CENTRES

- Minimum 32mm x 6g GIB® Grabber®High Thread Screws
- 150mm centres to perimeter of wall and all intermediate studs Adhesive is not to be used in place of mechanical fasteners
- Place fasteners 12mm from sheet edges and 18mm from
 - Jointing shall be carried out in accordance with the instructions of the GIB®Site Guide





PROPOSED DWELLING

23 Te Rata Blvd

23 Te Rata Blvd Paerata Auckland

REV. DATE DESCRIPTION DRAWING ISSUE

DRAWING INFO

Gib Aqualine Details

22-017 as shown

SCALE AT A3

PROJECT No

SHEET No: A503

All construction shall be in accordance with NIBC handbook and approved documents, NIZSS492011 and load territeroil authority requirements. All plans & building work is subject to counci approval. All dimensions & underground service locations to be checked prior to commencement of all works. DO-NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & restrictions prior to earthworks. If any discrepancies occur

LIMITED

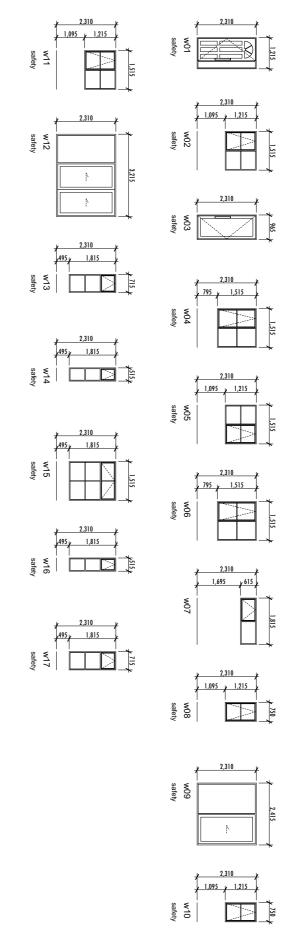
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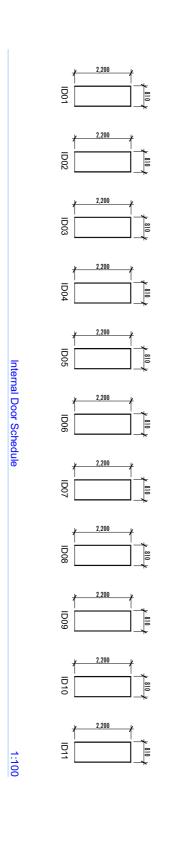


Page 25 of 30 Building Consent BCO10366938 Approved by Auckland Council









Window / Door Schedule

1:100



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23 TeRata Blvd

PROPOSED DWELLING

PROJECT

DRAWING ISSUE REV.

DATE

DESCRIPTION

PROJECT No: SCALE AT A3

22-017 as shown

Door & Window Schedule

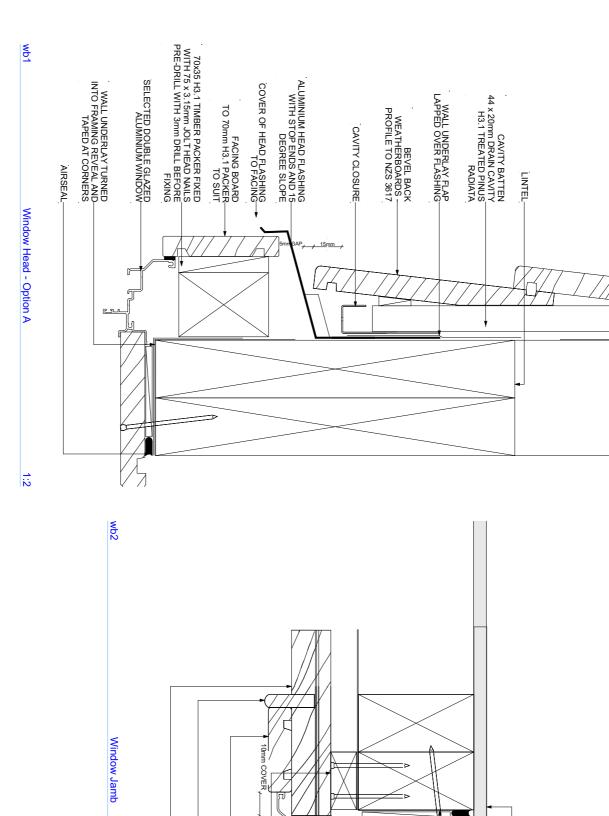
DRAWING INFO

SHEET No: A601

Page 26 of 30 Building Consent BCO10366938 Approved by Auckland Council







WALL UNDERLAY TURNED INTO FRAMING AND TAPED AT JOINS

ARCHITRAVE OR SLIMLINE DETAIL

AIRSEAL

INTENRAL LINING

经 44 x 20mm DRAIN CAVITY H3.1 TREATED

CAVITY BATTEN

PINUS RADIATA

FACING BOARD -H3.1 TREATED PINUS RADIATA

SCRIBE - PRECUT

-BEVEL BACK WEATHERBAORDS -PROFILE TO NZS 3617

1:2





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SCALE AT A3

PROJECT No

22-017 as shown

SHEET No: A701

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

PROPOSED DWELLING

REV. DRAWING ISSUE

DATE

DESCRIPTION

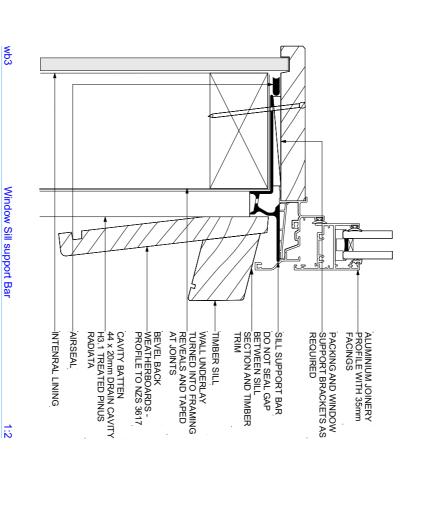
Cladding Details

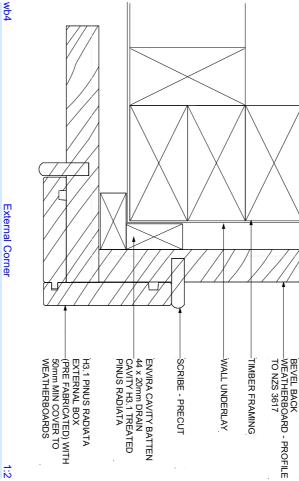
DRAWING INFO

PROJECT



INTERNAL LINING





23 Te Rata Blvd PROPOSED DWELLING REV.

23 Te Rata Blvd Paerata Auckland

DRAWING ISSUE DATE

DESCRIPTION

DRAWING INFO

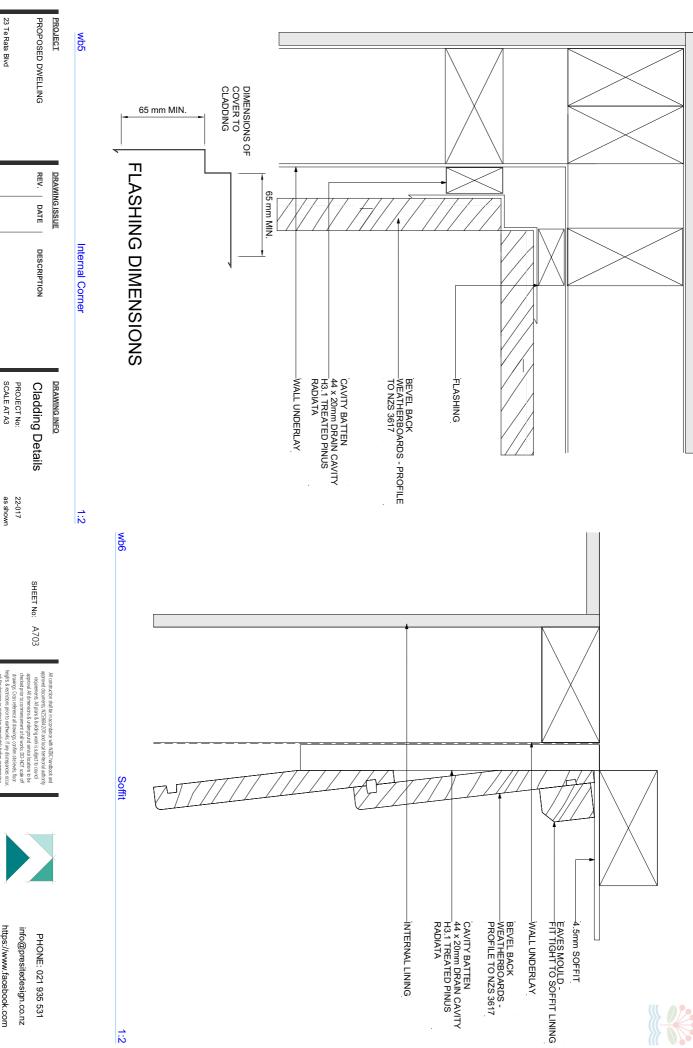
SCALE AT A3 Cladding Details PROJECT No:

22-017 as shown

SHEET No: A702

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Page 28 of 30

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30/05/2023



SCALE AT A3

PROJECT No:

22-017 as shown

SHEET No: A703

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

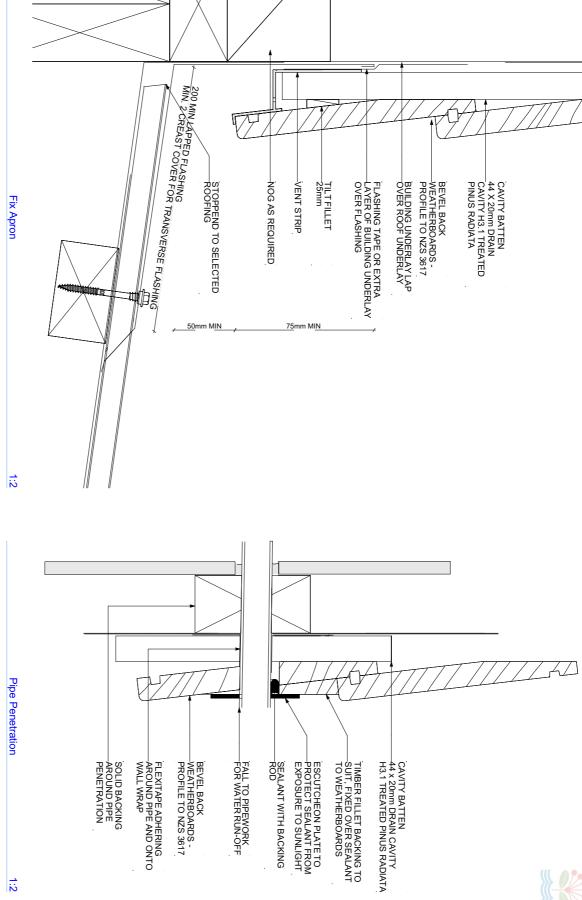


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SCALE AT A3

22-017 as shown

SHEET No: A704

DRAWN BY: PROJECT No:

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

PROPOSED DWELLING

REV. DRAWING ISSUE DATE

DESCRIPTION

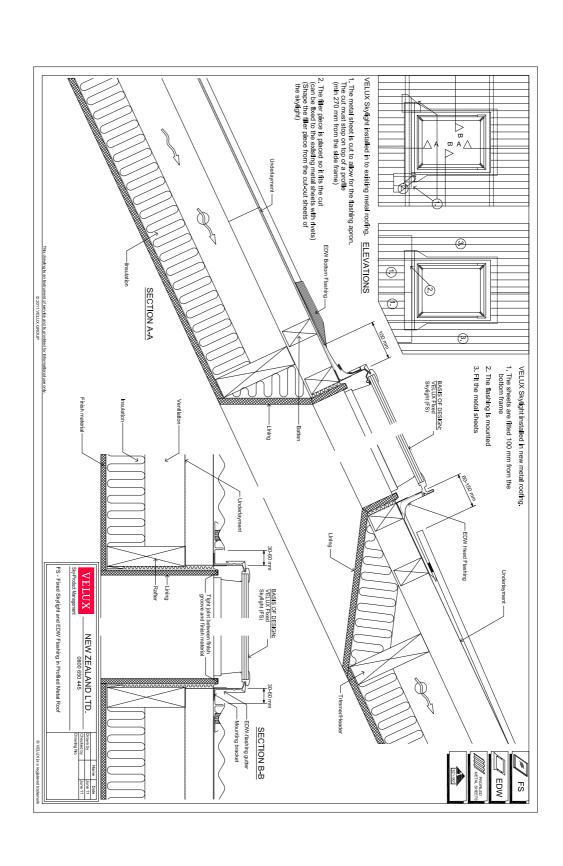
Cladding Detail DRAWING INFO

PROJECT

wb7







FS - Fixed Skylight and EDW flashing in Profiled Metal Roof

=

DRAWING ISSUE REV. DATE DESCRIPTION

23 Te Rata Blvd Paerata Auckland

23 Te Rata Blvd

PROPOSED DWELLING

SCALE AT A3 Velux Details DRAWING INFO PROJECT No:

22-017 as shown

SHEET No: A705 All construction shall be in accordance with NBC fundació and approed document. NBSADCO and social betternés all activity equipments. Al planes à building social scalegor to come approval. All immersions a burdegorand en extraction to the checked prior to commercement all airests. Do NDT case del desautago. Coust reference all diseases, comfini sale treist. Note the spirit of the contraction of the spirit of the spirit



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STRUCTURAL DRAWINGS FOR

PROPOSED NEW DWELLING 23 TE RATA BOULEVARD PUKEKOHE



DATE	03.2023		
REV			
REVISION	FOR CONSENT ONLY		

KOPI ENGINEERING

PROPOSED NEW DWELLING
23 TE RATA BOULEVARD
PUKEKOHE

DEV	12102	CHECKED NH	DESIGNED IF	COVER SHEET
	SHEET G00	DRAWN IF	APPROVED SC	
			O	

OPPRIGHT ALL RIGHT RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED IN ANY FORM WITHOUT WRITTEN APPROVAL FROM KOPI ENGINEERING LIMTED

Page 2 of 8 **Building Consent BCO10366938 Approved by Auckland Counci**

GENERAL

- ALL WORK TO BE IN ACCORDANCE WITH NEW ZEALAND BUILDING CODE ALL CODES REFER TO THE CURRENT EDITION PLUS ALL AMENDMENTS.
- STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS, CIVIL, ARCHITECT AND ENGINEERING SERVICES DOCUMENTS. NON-STRUCTURAL DETAILS MAY BE OMITTED FOR CLARITY

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- CHECK ALL DIMENSIONS ON SITE BEFORE CONSTRUCTION. DIMENSIONS OTHERWISE, ALL LEVELS ARE IN METRES, AND ALL DIMENSIONS ARE IN SHALL NOT BE OBTAINED BY SCALING FROM DRAWINGS. UNLESS NOTED
- ALL DISCREPANCIES SHALL BE REFERRED TO THE DESIGN ENGINEER FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAIN TERLANCE OF ALL INCESSARY TEMPORARY WORKS TO ENSURE STRENGTH AND STABILITY OF THE STRUCTURE AND ADEQUATE SUPPORT TO THE EXISTING SERVICES THROUGHOUT THE COURSE OF THE WORKS.
- TAKE PRECAUTIONS TO ESTABLISH LOCATION OF AND PROTECT EXISTING MAY EXIST ON SITE. HAND EXCAVATE SERVICES WITHIN ONE METRE OF APPROXIMATE LOCATIONS ONLY. SERVICES OTHER THAN THOSE SHOWN SERVICES AT SITE. SERVICES SHOWN ON DRAWINGS ARE IN
- WHERE PROPRIETARY PRODUCTS ARE SPECIFIED IN THE DOCUMENTS THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE PRODUCT FOR
- ALL GROUT SHALL BE NON SHRINK CEMENTATIOUS GROUT. IE. SIKA 212 OR SIMILAR. STRENGTH AT 28 DAYS > 40 MPa.
- ENGINEERING WITHOUT UNDERTAKING SITE OBSERVATIONS PRODUCER STATEMENT PS4 WILL NOT BE SUPPLIED BY KOPI
- <u></u> ABBREVIATIONS ON THE DRAWINGS ARE AS FOLLOWS:

HD GALV H		סל			뒤					DRG D			C/C C		
HOT DIP GALVANISED	GALVANISED	FILLET WELD ALL ROUND	FILLET WELD	FINISHED GROUND LEVEL	FINISHED FLOOR LEVEL	FAR FACE	EACH WAY	EQUIVALENT	EACH FACE	DRAWING	DIAMETER	CONFIRMED ON SITE	CENTRE TO CENTRE	CENTRES	ALTERNATE
⊱		ONO	U/S	Τγ	봊	T/S	꾸	STRS	STRPS	STGD	몬	RH	NTS	픾	<u>S</u>
VARIOUS LENGTH	OTHERWISE	UNLESS NOTED	UNDERSIDE	TYPICAL	THICK	TOPSIDE	FINISHED LEVEL	STARTERS	STIRRUPS	STAGGERED	REDUCED LEVEL	REFER	NOT TO SCALE	NEAR FACE	MINIMUM

CONCRETE

- MATERIAL AND WORKMANSHIP TO BE IN ACCORDANCE WITH NZS3109
- UNLESS NOTED OTHERWISE ON DRAWINGS, MINIMUM CONCRETE STRENGTHS SHALL BE 20 MPa (25 MPa IN SEA SPRAY ZONES).
- SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
- SAW CUTS SHOULD BE CUT TO DEPTH OF 25 mm AND SHOULD BE CUT NO LATER THAN 24 HOURS IN SUMMER, OR 48 HOURS IN WINTER, AFTER CONCRETE IS PLACED AND HARDENING
- COVER: CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH WITHIN RIBS, SIDE COVER 75mm 40mm
- SURFACE FINISHES: (NZS3114:1987)
 CONCEALED WORK EXPOSED EDGES OF FOUNDATION
- NO PENETRATIONS, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE DRAWINGS SHALL BE MADE IN CONCRETE S 5 5
- MEMBERS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER

BUILDING PLATFORM & FOUNDATIONS

- CONTRACTOR TO CHECK LOCATIONS OF EXISTING SERVICES PRIOR TO ANY PILING WORK. NOTIFY ENGINEER OF ANY CONFLICTS AND AWAIT APPROVAL BEFORE PROCEEDING
- UNLESS SPECIFICALLY ADDRESSED OTHERWISE, ULTMATE BEARING CAPACITY OF 300 KPa (ULS) IS ASSUMED THROUGHOUT BUILDING PLATFORM (INCLUDING UNDERLYING LEVELING FILL), THIS SHALL BE CONFIRM ON SITE BY THE GEOTECHNICAL ENGINEER.
- UNLESS NOTED OTHERWISE, ASSUMED ULTIMATE SKIN FRICTION OF 33 kPa OVER THE SOCKET (EFFECTIVE) LENGTH. TO BE CONFIRMED ON SITE BY THE ENGINEER.
- COMPACTED HARDFILL IN ACCORDANCE WITH NZS3604:2011 IS RECOMMENDED FOR ALTERNATIVE EARTH FILL SHALL BE CONSTRUCTED IN ACCORDANCE WITH NZS 4431:1989. GEOTECHNICAL ENGINEER INPUT IS RECOMMENDED.
- Ò CONTRACTOR TO ENSURE THE STRUCTURAL INTEGRITY OF COMPLETED BUILDING PLATFORM IS NOT COMPROMISED THROUGHOUT THE CONSTRUCTION, ANY SIGNIFICANT DISTURBANCE (E.G. RETAINING WALLS OR STORMWATER TANK IN CLOSE PROXIMITY, ETC.) SHALL BE REVIEWED AND APPROVED BY OBSERVING GEOTECHNICAL ENGINEER
- REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR THE OVERALL SITE STABILITY. THIS IS OUTSIDE THE SCOPE OF THIS DESIGN.
- PILE SETTING OUT DIMENSIONS ARE TO CENTERLINE OF PILE AT UNDERSIDE OF PILECAP / FOOTING. TOLERANCE ON POSITION OF PILES TO
- REMOVE TOPSOIL CONTAINING ORGANIC MATTER, RUBBLE AND / OR DEBRIS AND OTHER UNSUITABLE MATERIAL BELOW FOUNDATIONS
- BACKFILL AGAINST RETAINING WALLS ONLY AFTER MINIMUM CONCRETE STRENGTH IS ACHIEVED, AND/OR PERMANENT SUPPORT INSTALLED WHERE
- <u>.</u> BACKFILL FOR RETAINING WALLS TO BE FREE DRAINING GRANILLAR MATERIAL. PROVIDE DRAINAGE BEHIND RETAINING WALLS COMPRISING CONTINUOUS SLOTTED DRAIN WITH GRANULLAR SURROUNDING. CONNECTED TO RETICULATED STORMWATER DRAINAGE SYSTEM.

WAFFLE RAFT TYPE FOUNDATION

- 220mm POLYSTYRENE PADS SHALL BE MINIMUM CLASS L TO AS 1366 PART3 PLACED ON 0.25mm DPC ON MAX. 45mm THICK SCREED LEVEL GAP7 EXTENDING 600mm PAST BUILDING LINE.
- SUPPLEMENTARY REINFORCING BARS TO BE PLACED AT EACH INTERNAL CORNER, 2-HD12, 1.5 m LONG.
- SLAB TO BE 100mm THICK WITH GRADE 500E DUCTILE MESH ON 40 mm
- SHALL CONFORM TO AS/NZS4671:2001 ALL REINFORCING BARS AND ALL WELDED MESH FABRIC REINFORCING

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CONCRETE TO HAVE MIN. STRENGTH OF 20 MPa (25 FOR SEA-SPRAY ZONE). WITH 80mm SLUMP AND 13mm NOMINAL AGGREGATE SIZE.

MASONRY BLOCKWORK

- . - ALL BLOCKWORK SHALL BE UNDER DIRECT SUPERVISION OF A REGISTERED MASON WHO SHALL PROVIDE CONTINUOUS INSPECTION. ALL WORK SHALL COMPLY WITH NZS4210 MASONRY MATERIAL AND WORKMANSHIP.
- MASONRY IS TO BE CONSTRUCTED BY THE "HIGH LIFT" METHOD WITH CLEAN OUT PORTS AT EVERTY LETICAL BAR AND AT THE BOTTOM OF EVERTY LIFT. BOTTOM COURSE TO BE OPEN ENDED BOND BEAM BLOCKS PLACED UPSIDE
- GROUT UNLESS NOTED OTHERWISE BLOCKWORK TO BE 12.5 MPa (GRADE "B") AND ALL CELLS FILLED WITH 20 MPa
- IF NOT SPECIFICALLY EXCLUDED ON DRAWINGS, WATERPROOFING SHALL BE APPLIED WHERE REQUIRED. REFER TO ARCHITECTS SPECIFICATIONS AND/OR ADOP'T GOOD BUILDING PRACTICES.

REINFORCEMENT

- REINFORCEMENT IS SHOWN DIAGRAMMATICALLY AND IS NOT NECESSARILY SHOWN IN TRUE
- ALL REINFORCEMENT TO BE MANUFACTURED IN ACCORDANCE WITH AS/NZS 4671:2001 OR EQUIVALENT.
- MINIMUM REINFORCEMENT LAPS IN 20 MPa CONCRETE:

 D DEFORMED BARS GRADE 300E TO AS/NZS 4671 (300MPa)

 HD DEFORMED BARS GRADE 500E TO AS/NZS 4671 (500MPa) = 35 x NOMINAL BAR DIAMETER = 58 x NOMINAL BAR DIAMETER

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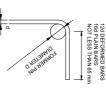
- <u>NOTE;</u> SPLICE LAP LENGTH SHALL BE INCREASED BY 30% FOR TOP REINFORCEMENT WHERE MORE THAN 300 mm OF CONCRETE IS CAST BELOW THE BAR.
- THE DEVELOPMENT OF PLAIN BARS (R AND HR) SHALL RELY ON HOOKS
- MINIMUM LAP FOR MESH FABRIC SHALL BE ONE MESH BAR SPACING PLUS 25 mm. OR ALTERNATIVELY APPROVED BY MESH SUPPLIER.
- DEVIATION OF REINFORCEMENT FROM ITS SPECIFIED POSITION SHALL NOT EXCEED THE FOLLOWINGS

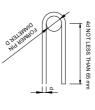
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- IN BEAMS, SLABS, WALLS - IN COLUMNS, SLAB ON GROUND = ± 10 mm = ± 10 mm = ± 30 mm

VERTICAL BARS IN RETAINING WALLS = ±5 mm

œ WELDING OF REINFORCEMENT IS NOT PERMITTED UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER.







STANDARD TIE OR STIRRUP ANCHORAGE

STANDARD HOOK

STANDARD LEG

STEELWORK / STRUCTURAL STEEL

- CHECK AND VERIFY ALL DIMENSIONS AND LEVELS ON SITE BEFORE COMMENCING FABRICATION OF ANY STRUCTURAL STEELWORK.
- OTHERWISE. ALL PLATES AND CLEATS SHALL BE GRADE 250 UNO. ALL STRUCTURAL STEELWORK TO BE GRADE 300 UNLESS NOTED
- THE ENDS OF ALL HOLLOW SECTIONS SHALL BE SEALED WITH 3 mm MIN STEEL PLATE. SEAL WELDED
- ALL STEELWORK CLASSIFIED IN AN "EXPOSED" ENVIRONMENT TO HAVE SURFACE COATINGS COMPLYING WITH SNZ TS 3404:2018
- UNLESS OTHERWISE SHOWN ON DRAWINGS, BOLTS SHALL BE GRADE 8.8/S COMPLYING WITH NZS3404. THREAD TO BE EXCLUDED FROM SHEAR PLANE

ĊΊ 4

- USE LOCK NUTS FOR BOLTS SUBJECT TO VIBRATION. WASHERS (TAPERED WHERE NECESSARY) ARE TO BE USED UNDER ALL NUTS AND BOLT HEADS.
- UNLESS SPECIFICALLY SHOWN OTHERWISE, ALL BASE PLATES SHALL BEAR DIRECTLY ON 25 mm OF FLOWABLE GROUT
- WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF NZS3404 AND AS/NZS 1554.1. ALL WELDS SHALL BE CATEGORY GP 6 mm FILLET WELD CONTINUOUS, UNO.
- SHOP DRAWINGS REMAIN THE RESPONSIBILITY OF THE THIS SET OF STRUCTURAL DRAWINGS SHOW THE DESIGN INTENT CONTRACTOR
- <u>1</u>0. STEEL CONSTRUCTION AS PER AS/NZS 5131:2016 CONSTRUCTION CATEGORY CC2.

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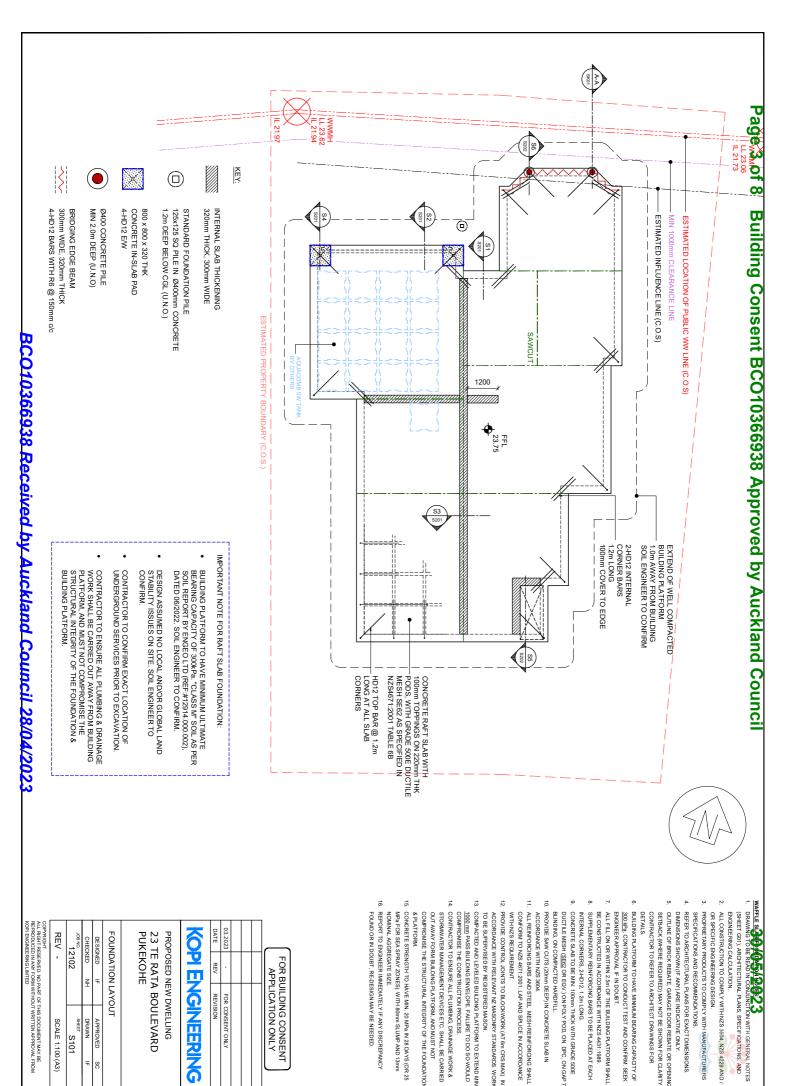
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OP ENGINEERING

PROPOSED NEW DWELLING 23 TE RATA BOULEVARD

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MPa FOR SEA SPRAY ZONES). WITH 80mm SLUMP AND 13mm

NOMINAL AGGREGATE SIZE.

& PLATFORM.

COMPROMISE THE STRUCTURAL INTEGRITY OF THE FOUNDATION OUT AWAY FORM BUILDING PLATFORM, AND MUST NOT STORMWATER MANAGEMENT DEVICES ETC. SHALL BE CARRIED 1000 mm PASS BUILDING ENVELOPE. FAILURE TO DO SO WOULD ACCORDANCE WITH RELEVANT NZ MASONRY STANDARDS. WOR

COMPROMISE THE CONSTRUCTION PROCESS. TO BE SUPERVISED BY REGISTERED MASON

FOUND OR IN DOUBT, RE-DESIGN MAY BE NEEDED.

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- ENGINEERING CALCULATION. (SHEET G01), ARCHITECTURAL PLANS, SPECIFICATIONS, AND
- ALL CONSTRUCTION TO COMPLY WITH NZS 3604, NZS 4229 AND
- PROPRIETARY PRODUCTS TO COMPLY WITH MANUFACTURERS REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS. SPECIFICATIONS AND RECOMMENDATIONS

OUTLINE OF BRICK REBATE, GARAGE DOOR REBATE OR OPENING

SETBACK (WHERE REQUIRED) MAY NOT BE SHOWN FOR CLARITY

CONTRACTOR TO REFER TO ARCHITECT DRAWINGS FOR

DIMENSIONS SHOWN (IF ANY) ARE INDICATIVE ONLY.

DETAILS

SUPPLEMENTARY REINFORCING BARS TO BE PLACED AT EACH ALL FILL ON OR WITHIN 2.5m OF THE BUILDING PLATFORM SHALL

BE CONSTRUCTED IN ACCORDANCE WITH NZS 4431:1989.

ENGINEER APPROVAL IF IN DOUBT.

300 kPa. CONTRACTOR TO CONDUCT TEST AND CONFIRM. SEEK

CONCRETE SLAB TO BE MIN. 100mm THICK WITH GRADE 500E

INTERNAL CORNERS, 2-HD12, 1.2m LONG

DUCTILE MESH (SE62 OR EQV.) ON POLY POD, ON DPC, ON GAP

BLINDING, ON COMPACTED HARDFILL

ACCORDANCE WITH NZS 3604.

WITH NZS REQUIREMENT

CONFORM TO NZS 4671:2001. LAP AND SPLICE IN ACCORDANCE

- OR SPECIFIC ENGINEERING DESIGN

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23 TE RATA BOULEVARD

PROPOSED NEW DWELLING

PUKEKOHE

FOUNDATION LAYOUT

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Page 4 of 8 Building Consent BCO10366938 Approved by Auckland Council

BRACING (1) 105/2023

WALL BRACING TO BE READ IN CONJUNCTION WITH WALL

DIMENSIONS, REBATES AND SERVICES.

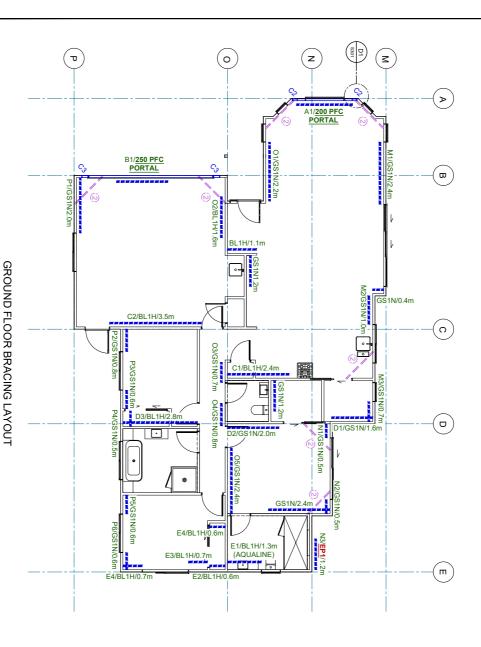
AWING FOR ALL LAYOUT

WALLS, BRACING ELEMENTS, FIXING CONNECTIONS TO BE

PROPRIETARY ITEMS TO COMPLY WITH MANUFACTURERS'

SPECIFICATIONS. IN THIS CASE, GIB EZYBRACE SYSTEM AND/OF 4229:1999 AND MANUFACTURERS' REQUIREMENTS. CONSTRUCTED IN ACCORDANCE WITH NZS 3604:2011, NZS

CHH ECOPLY SYSTEM.



EXTERNAL PLYWOOD BRACING TO BE INSTALLED PRIOR TO INSTALLING CLADDING. REFER TO MANUFACTURER SPECIFICATION.

KEYS:

2) 140x35 CEILING PLANE BRACE

BRACELINE HOLD-DOWN: GIB HANDIBRAC® AND A CONCRETE

SHOULD ACTUAL CONSTRUCTION WORK PREVENTS THE INSTALL SINGLE-SIDED BRACING PANELS AS INDICATED ON

SPECIFICATION, REFER TO DESIGNER FOR SPECIFIC INSTALLATION IN ACCORDANCE TO MANUFACTURERS

	OKIAL SCHEBOLL.	
LABEL	SIZE	SUPPORT
A1	200 PFC PORTAL	C2
B1	250 PFC PORTAL	СЗ

UNLESS SPECIFICALLY NOTED OTHERWISE, ALL GIB &

END OF THE BRACING ELEMENT.

WITH A 50X50X3MM SQUARE WASHER WITHIN 80MM OF EACH MINIMUM CHARACTERISTIC UPLIFT CAPACITY OF 15KN FITTED OF 15KN AT EACH END OF THE BRACING ELEMENT, OR METAL

WRAP-AROUND STRAP AND A CONCRETE ANCHOR WITH A ANCHOR WITH A MINIMUM CHARACTERISTIC UPLIFT CAPACITY INSTALLATION DETAILS AND / OR RE-ASSESSMENT.

STRUCTURAL CEILING DIAPHRAGM CONSTRUCTION SHALL

RECOMMENDATIONS FOR GIB CEILING DIAPHRAGM NAILING COMPLIED WITH CLAUSE 13.5 OF NZS3604:2011, AS WELL AS BRACELINE SHEETS ARE STANDARD 10mm THICK.

OR DRAGON TIES FIXED TO NZS3604

SCHEDULE.

8 8

250 PFC PORTAL LEG 200 PFC PORTAL LEG

4. EQ. ZONE CLADDING ROOFING WIND ZONE

BRACING DESIGN

= LIGHT = HIGH

SUBSOIL CLASS = C (SHALLOW)

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23 TE RATA BOULEVARD PROPOSED NEW DWELLING

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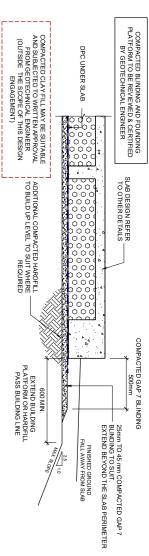
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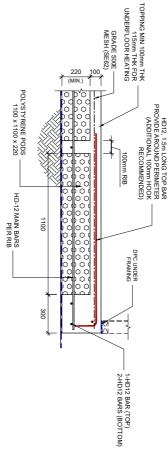
Page 5 of 8 **Building Consent BCO10366938 Approved by Auckland Council**

SLAB DESIGN REFER TO OTHER DETAILS



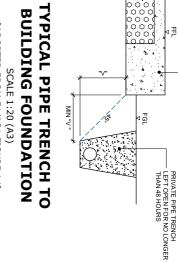
TYPICAL WAFFLE RAFT FOUNDATION PLATFORM DETAILS

SCALE 1:20 (A3)



STANDARD WAFFLE RAFT FOUNDATION

SCALE 1:20 (A3)



[ADOPTED FROM E1/AS1 FIGURE 14]

PROVIDE SAW CUTS (20mm DEEP) IN CONCRETE SLAB IN

ACCORDANCE WITH NZS 3604. BLINDING, ON COMPACTED HARDFILL

WITH NZS REQUIREMENT

CONFORM TO NZS 4671:2001. LAP AND SPLICE IN ACCORDANCE

SUPPLEMENTARY REINFORCING BARS TO BE PLACED AT EACH ALL FILL ON OR WITHIN 2.5m OF THE BUILDING PLATFORM SHALL BUILDING PLATFORM TO HAVE MINIMUM BEARING CAPACITY OF

BE CONSTRUCTED IN ACCORDANCE WITH NZS 4431:1989.

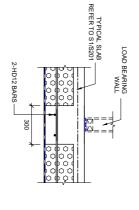
ENGINEER APPROVAL IF IN DOUBT.

300 kPa. CONTRACTOR TO CONDUCT TEST AND CONFIRM. SEEK

CONCRETE SLAB TO BE MIN. 100mm THICK WITH GRADE 500E

INTERNAL CORNERS, 2-HD12, 1.2m LONG

DUCTILE MESH (SE62 OR EQV.) ON POLY POD, ON DPC, ON GAP



16. REPORT TO ENGINEER IMMEDIATELY IF ANY DISCREPANCY

NOMINAL AGGREGATE SIZE.

FOUND OR IN DOUBT, RE-DESIGN MAY BE NEEDED.

15. CONCRETE STRENGTH TO HAVE MIN. 20 MPa IN 28 DAYS (OR 25

COMPROMISE THE STRUCTURAL INTEGRITY OF THE FOUNDATION

OUT AWAY FORM BUILDING PLATFORM, AND MUST NOT STORMWATER MANAGEMENT DEVICES ETC. SHALL BE CARRIED

& PLATFORM.

MPa FOR SEA SPRAY ZONES). WITH 80mm SLUMP AND 13mm

14. CONTRACTOR TO ENSURE ALL PLUMBING, DRAINAGE WORK & 13. COMPACTED AND LEVELED BUILDING PLATFORM TO EXTEND MIN 12. PROVIDE CONTROL JOINTS TO BLOCKWORK (AT 6m CRS MAX) IN 11. ALL REINFORCING BARS AND STEEL MESH REINFORCING SHALL

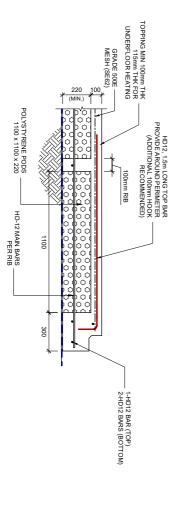
COMPROMISE THE CONSTRUCTION PROCESS.

1000 mm PASS BUILDING ENVELOPE. FAILURE TO DO SO WOULD ACCORDANCE WITH RELEVANT NZ MASONRY STANDARDS. WORK

TO BE SUPERVISED BY REGISTERED MASON

S3 INTERNAL BEAM SCALE 1:20 (A2)

/ SCALE 1:20 (A3)



STANDARD WAFFLE RAFT FOUNDATION SCALE 1:20 (A3) [WITH GARAGE REBATE]

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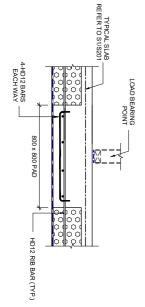
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FOUNDATION DETAILS 1



PROPOSED NEW DWELLING

23 TE RATA BOULEVARD

PUKEKOHE

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APPLICATION ONLY

IN SLAB PAD FOOTING

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WAFFLE SCAP MONTH 12 B 2 3 (SHEET G01), ARCHITECTURAL PLANS, SPECIFICATIONS, AND

- ALL CONSTRUCTION TO COMPLY WITH NZS 3604, NZS 4229 AND ENGINEERING CALCULATION.

- PROPRIETARY PRODUCTS TO COMPLY WITH MANUFACTURERS OR SPECIFIC ENGINEERING DESIGN

REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS.

DIMENSIONS SHOWN (IF ANY) ARE INDICATIVE ONLY. SPECIFICATIONS AND RECOMMENDATIONS.

OUTLINE OF BRICK REBATE, GARAGE DOOR REBATE OR OPENING

SETBACK (WHERE REQUIRED) MAY NOT BE SHOWN FOR CLARITY

CONTRACTOR TO REFER TO ARCHITECT DRAWINGS FOR

Page 6 of 8 Building Consent BCO10366938 Approved by Auckland Council

WAFFLE STORTH MONTON BE READ IN CONJUNCTION WITH GENERAL NOTES

(SHEET G01), ARCHITECTURAL PLANS, SPECIFICATIONS, AND

REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS. PROPRIETARY PRODUCTS TO COMPLY WITH MANUFACTURERS

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OR SPECIFIC ENGINEERING DESIGN

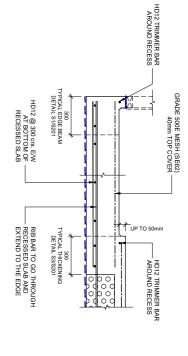
ALL CONSTRUCTION TO COMPLY WITH NZS 3604, NZS 4229 AND

ENGINEERING CALCULATION.

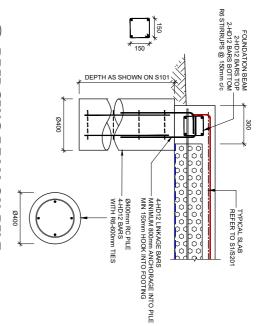
OUTLINE OF BRICK REBATE, GARAGE DOOR REBATE OR OPENING

SETBACK (WHERE REQUIRED) MAY NOT BE SHOWN FOR CLARITY

CONTRACTOR TO REFER TO ARCHITECT DRAWINGS FOR



S5 S101 **SHOWER RECESS** SCALE 1:20 (A2)



SCALE 1:20 (A3)

FOR BUILDING CONSENT APPLICATION ONLY

16. REPORT TO ENGINEER IMMEDIATELY IF ANY DISCREPANCY

FOUND OR IN DOUBT, RE-DESIGN MAY BE NEEDED.

NOMINAL AGGREGATE SIZE.

15. CONCRETE STRENGTH TO HAVE MIN. 20 MPa IN 28 DAYS (OR 25

COMPROMISE THE STRUCTURAL INTEGRITY OF THE FOUNDATION

OUT AWAY FORM BUILDING PLATFORM, AND MUST NOT STORMWATER MANAGEMENT DEVICES ETC. SHALL BE CARRIED

MPa FOR SEA SPRAY ZONES). WITH 80mm SLUMP AND 13mm

14. CONTRACTOR TO ENSURE ALL PLUMBING, DRAINAGE WORK & 13. COMPACTED AND LEVELED BUILDING PLATFORM TO EXTEND MIN 12. PROVIDE CONTROL JOINTS TO BLOCKWORK (AT 6m CRS MAX) IN 11. ALL REINFORCING BARS AND STEEL MESH REINFORCING SHALL

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CONCRETE SLAB TO BE MIN. 100mm THICK WITH GRADE 500E

INTERNAL CORNERS, 2-HD12, 1.2m LONG.

DUCTILE MESH (SE62 OR EQV.) ON POLY POD, ON DPC, ON GAP

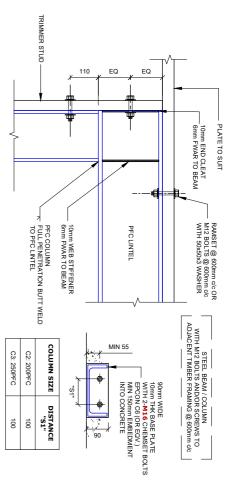
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KOP FUGINEERING PROPOSED NEW DWELLING PUKEKOHE 23 TE RATA BOULEVARD

Page 7 of 8 Building Consent BCO10366938 Approved by Auckland Council



PFC PORTAL FRAME
SCALE 1:10 (A2)

IMPORTANT NOTES:

1. RECOMMENDED 6 mm WEB STIFFENER @ 2.0 m
co-THROUGHOUT ALL STEEL BEAMS & UNTELS.

2. DPC ANDIOR NON-CONDUCTIVE COATING SHALL

BE PROVIDED ON ALL INTERFACE BETWEEN STEEL, TIMBER AND CONCRETE.

BCO10366938 Received by Auckland Council 28/04/2023

TIMBER COSCILUTION THATES 23 (SHEET G01), ARCHITECTURAL PLANS, SPECIFICATIONS, AND

ENGINEERING CALCULATION.

- ALL CONSTRUCTION TO COMPLY WITH NZS 3604:2011 INCLUDIN
- CLAUSE 2.4 (FASTENINGS & FABRICATION), NZS 4229:1999
- AND/OR SPECIFIC ENGINEERING DESIGN.
- REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS.
- ALL TIMBER LINTELS, STUDS AND JOISTS TO BE GRADE SG8 (STRUCTURAL GRADE).
- TIMBER TREATMENT GRADE AS PER ARCHITECTURAL DRAWING AND SPECIFICATIONS.
- ALL STUDS AND DOUBLE MEMBERS (LINTELS OR JOISTS) TO BE ALL BEAMS TO BE SUPPPORTED ON MINIMUM 2/90x45 STUDS UNLESS NOTED OTHERWISE.
- ALL TIMBER POSTS TO BE STRAIGHT, DRY AND KNOT FREE WELL-SPIKED LOGE HEX
- ALL STRUCTURAL STEEL TO BE MINIMUM GRADE 300.
- ALL OPENINGS WITHIN FLOOR JOISTS AND BEAMS TO BE IN MANUFACTURER'S SPECIFICATIONS. ACCORDANCE WITH THE LIMITS OF NZS 3604 AND / OR
- 11. DIRECTION OF FLOOR JOISTS SPAN AS SHOWN ON PLAN.
- 12. PROVIDE BLOCKING BETWEEN JOISTS TO COMPLY WITH NZS3604. MAX SPACING BETWEEN BLOCKINGS TO BE 1.8m.
- STRUCTURAL STEEL CONNECTION NOTES: LINE OF EACH WALL THAT CONTAINS A WALL BRACING ELEMENT BEARING WALLS RUNNING NORMAL TO JOISTS AND ALONG THE

SOLID BLOCKING TO BE INSTALLED OVER INTERNAL LOAD

- DRAWING TO BE READ IN CONJUNCTION WITH GENERAL NOTES ENGINEERING CALCULATION. (SHEET G01), ARCHITECTURAL PLANS, SPECIFICATIONS, AND
- ALL CONSTRUCTION TO COMPLY WITH NZS 3604:2011 AND/OR
- CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS AND LEVELS ON SITE BEFORE COMMENCING FABRICATION.
- REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS. DIMENSIONED AS SHOWN. DETAILS SHOWN MAY NOT BE TO SCALE, UNLESS SPECIFICALLY
- ALL STUDS AND MULTIPLE TIMBER MEMBERS TO BE WELL-SPIKED TOGETHER
- ALL STRUCTURAL STEEL TO BE MINIMUM GRADE 300. ALL PLATE AND CLEATS SHALL BE GRADE 250 UNO.
- ALL BOLTS TO BE MINIMUM M12 GRADE 4.6/S UNLESS INDICATED OPENINGS WITHIN STEEL MEMBERS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY ENGINEER IN WRITING.
- UNLESS SPECIFICALLY SHOWN OTHERWISE, ALL WELDS TO BE
- 6mm FILLET WELD (CATERGORY GP). WELDING TO BE IN ACCORDANCE WITH NZS 3404 AND AS/NZS 1554.

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KOPI ENGINEERING

23 TE RATA BOULEVARD PROPOSED NEW DWELLING PUKEKOHE

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IMPORTANT OF 105/2023

1. DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL

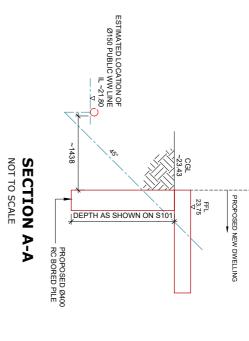
PLANS AND SPECIFICATIONS.

2. CONTENTS SHOWN HEREIN ARE FOR WATERCARE APPROVAL

ONLY. DESIGN IS NOT INTENDED FOR BUILDING CONSENT NOR

DEPTH AND LOCATION OF ALL PUBLIC SERVICES MARKED ARE

CONSTRUCTION PURPOSES.



 PILE LOCATION AND DEPTHS SHOWN HEREIN ARE PRELIMINARY ONLY. REFER TO CONSENTED PLANS FOR FINAL DESIGN. 5. FOUNDATION DESIGN MAY BE AMENDED DURING CONSENT

DESIGN FOR FOUNDATION SLAB, BRIDGING BEAM AND PILES SHALL BE COMPLETED DURING BUILDING CONSENT STAGE.

COMMENCING ANY WORK.

ADOPTED FROM ARCHITECTURAL SITE PLAN. THESE INFORMATION SHALL BE CONFIRMED ONSITE BEFORE

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KOPI ENGINEERING

PROPOSED NEW DWELLING
23 TE RATA BOULEVARD
PUKEKOHE

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