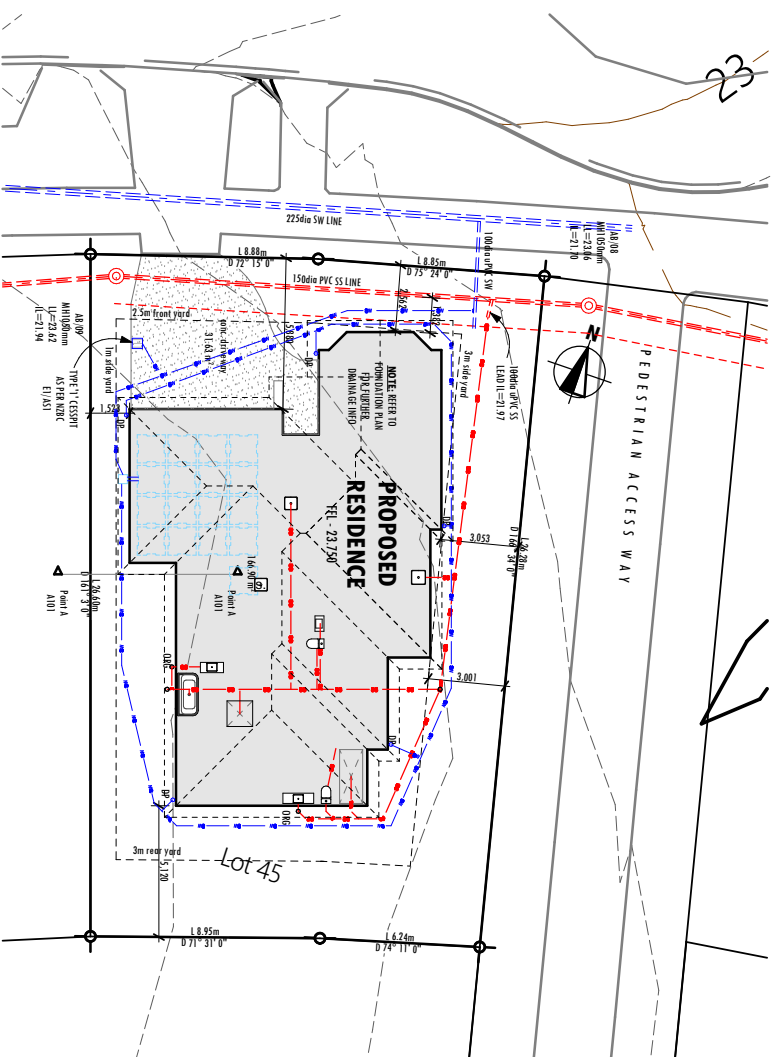


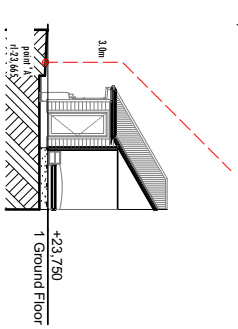


SITE DETAILS	
ADDRESS:	23 Te Raia Blvd, Paerata Rise Paerata
DURABILITY ZONE:	C
EARTHQUAKE ZONE:	1
WINDZONE:	High
LEGAL DESCRIPTION:	LOT 45, DP 567/64
SITE AREA:	435m ²
ZONING:	Residential Mixed Housing Zone - Urban Franklin 2 precinct
BUILDING COVERAGE	
MAX. 40% OF	435m ²
≡ 174.0m ²	
BUILDING AREA inc. eaves over 600mm	168.9m ²
≡ 38.8% complying	
IMPERVIOUS AREA	
MAX. 60% OF	435m ²
≡ 261m ²	
BUILDING AREA inc. eaves over 600mm	168.9m ²
PAVED AREA	31.6m ²
IMPERVIOUS AREA	46.1%
LANDSCAPED AREA	
MIN. 35% OF	435m ²
≡ 152.2m ²	
BUILDING AREA	166.9m ²
PAVED AREA	31.6m ²
435 - 166.9 - 31.6	= 236.5m ²
LANDSCAPED AREA	54.4%



Site Plan

1:200



HIRB Point A 1:200

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

DRAWING INFO	DESCRIPTION
Site Plan	
PROJECT NO:	22-017
SCALE AT A3	as shown
DRAWN BY:	RM

DRAWING INFO	DATE PRINTED
SHEET NO: A101	Wednesday 26 April 2023

All contractor shall be in accordance with NZBC, handbook and approved documents, NZS904:2011 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & setbacks prior to service. If any discrepancies occur, ask the designer or contractor immediately before commencing work or ordering materials. Contractor must scale relevant drawings to match approved drawings.

Layout	Sheet Name
Working Drawings	Cover Page
A1 Plans	
A101	Site Plan
A102	Earthworks Plan
A103	Floor Plans
A104	Lineal Plan
A105	Lineal Fixing Details
A106	Bracing Plan
A107	Gib Board Details
A108	Gib Board Details
A109	Bracing Details
A110	Foundation Plan
A111	Roof Framing Plan
A112	Wall Connection Details
A2 Sections	
A201	Sections
A3 Elevations	
A301	Elevations
A302	Elevations
A4 Details	
A401	Foundation Details
A402	Foundation Details
A403	Roof Details
A404	Roof Details
A405	Roof Details
A406	Roof Details
A5 Wall Area Details	
A501	Wall Area Details
A502	Wall Area Details
A503	Gib Aquadine Details
A6 Schedules	
A601	Door & Window Schedule
A7 Cladding Details	
A701	Cladding Details
A702	Cladding Details
A703	Cladding Details
A704	Cladding Detail
A705	Valux Details

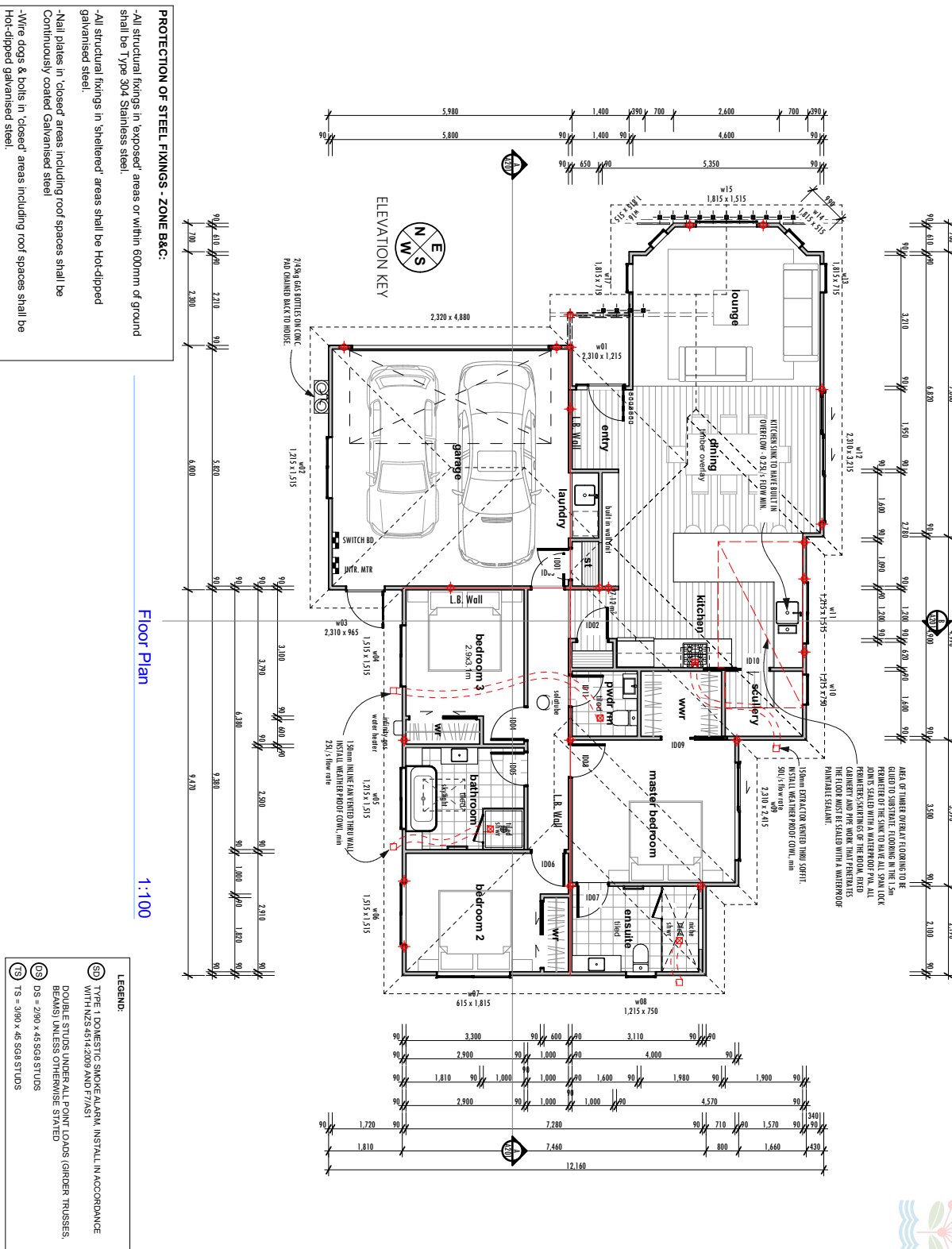


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BCO10366938 Received by Auckland Council 28/04/2023



<p>WALL FRAMING:</p> <p>EXTERIOR WALLS & INTERNAL LOADBEARING: NGS @ 800P UNLESS OTHERWISE STATED.</p> <p>INTERNAL NON LOADBEARING WALLS:</p> <p>NGS @ 800P UNLESS OTHERWISE STATED.</p> <p>EXTERIOR & LOAD BEARING FRAMING SHALL HAVE:</p> <p>90 X 45 PLATE 90 X 45 LVL - 90 X 45 BOTTOM PLATE</p> <p>INSTALL ADDITIONAL DWANGS AS REQUIRED FOR WALL MOUNTED JOINERY, GRAB RAILS, SHOWER SCREENS AND THE LIKE.</p> <p>TOP PLATE FRAMING</p> <p>FOR EXTERIOR WALLS END WALLS, PLUS 2 WIRE DOGS, 4, 7MIN FRAMING (TABLE E.18 NZS 3604:2011).</p> <p>BOTTOM PLATE FRAMING TYPICAL:</p> <p>ION CONCRETE FLOOR:</p> <p>CONCRETE FLOOR FINISHES SHALL BE FIXED TO THE CONCRETE FLOOR WITH: PROPRIETARY POST FIXED ANCHORS WITHIN 150MM OF EACH END OF THE PLATE & BE SPACED AT A MAX. OF 800MM & OR SPACED ON 500MM EDGES FORMED BY MASONRY HEADER BLOCKS</p> <p>FOR EXTERIOR WALLS, PROPRIETARY ANCHORS SHALL HAVE A MINIMUM CAPACITY WHEN TESTED IN ACCORDANCE WITH 2.4.7 (A) HORIZONTAL LOADS IN THE PLANE OF THE WALL - 2 KN. (B) HORIZONTAL LOADS OUT OF PLANE OF THE WALL - 3 KN. (C) VERTICAL LOADS IN AXIAL TENSION OF THE FASTENER - 7 KN.</p> <p>FOR INTERNAL WALLS, PROPRIETARY ANCHORS SHALL HAVE A MINIMUM CAPACITY WHEN TESTED IN ACCORDANCE WITH 2.4.7 (A) HORIZONTAL LOADS IN THE PLANE OF THE WALL - 2 KN. (B) OUT OF THE PLANE OF THE WALL - 2 KN.</p> <p>TREATMENT REQUIREMENTS FOR FRAMING TIMBER AND WOOD BASED PRODUCTS (AS PER NZS 5602:2003):</p> <p>ROOF:</p> <p>TRUSS FRAMING H1.2 KD SG8 LVL MEMBERS H1.1 KD SG6 RIDGE AND HRS H1.2 KD SG6 VALLEY BOARDS H1.2 KD SG6</p> <p>WALLS:</p> <p>EXTERIOR WALLS H1.2 KD SG8 EXTERIOR WALLS LINTELS H1.1 KD SG8 LVL LINTELS H1.1 KD SG8 EXTERIOR WALLS H1.2 KD SG8 WET AREA WALLS H1.2 KD SG8</p> <p>LANDSCAPING:</p> <p>FENCE PALINGS BATTENS & RAILS H1.2 WET SG6 FENCE POST H1.2 WET SG6</p> <p>THERMAL INSULATION:</p> <p>REFER SPECIFICATIONS FOR HI REPORT WALL: R2.8 PINK Batts OR EQUIVALENT CEILING: R1.6 PINK Batts OR EQUIVALENT</p> <p>WALL LINTEL NOTES</p> <p>REFER TO SHEET A103 FOR LINTEL SIZES</p> <p>INSTALL IN ACCORDANCE WITH NZS 3604:2011, SECTION 9.8.1.1.8. UNLESS OTHERWISE STATED, ALL EXTERIOR WALLS SHALL BE UPLIFT SHALL BE FIXED AT EACH END TO A TRIMMING STUD WHICH IN TURN SHALL BE FIXED TO THE FLOOR FRAMING. EACH FIXING TO BE AS SHOWN IN FIGURE 8.12 OR AN ALTERNATIVE FIXING OF 75KN REFER NZS 3604:2011 FIGURE 4.12.</p> <p>E3 INTERNAL MOISTURE:</p> <p>WET ROOMS SHALL HAVE TILED FLOORING WHERE SHOWN. LAID WALL TO WALL OVER ADEQU SUPERLEX WATERPROOFING MEMBRANE</p> <p>WET ROOM WALL LININGS TO BE GIB AQUALINE FINISHED WITH AN IMPERVIOUS COATING THAT IS EASILY CLEANED.</p> <p>BENCH TOP/VANITY TO WALL JUNCTION SHALL BE SILICONE SEALED.</p>



PROJECT

PROPOSED DWELLING

23 Te Raia Blvd
 Paerata
 23 Te Raia Blvd Paerata Auckland

DRAWING ISSUE

REV. DATE

DESCRIPTION

Floor Plans

PROJECT No: 22-017
 SCALE AT: A3
 DRAWN BY: RM

DRAWING INFO

SHEET NO: A103

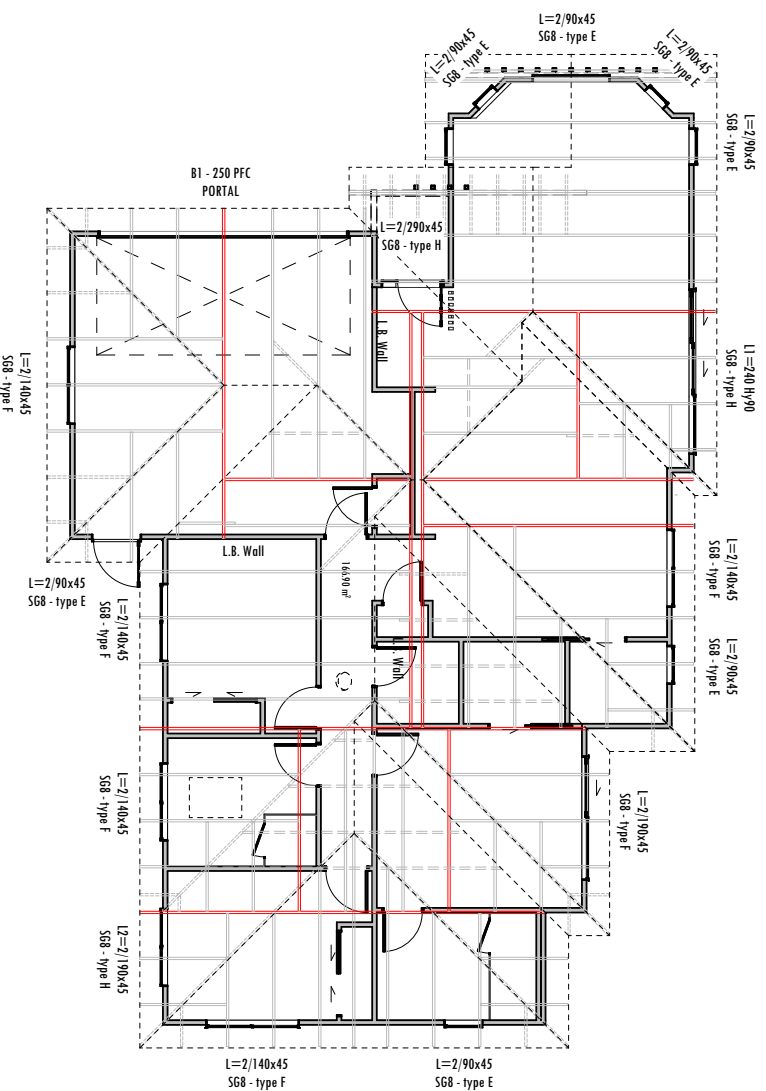
DATE PRINTED

Wednesday, 26 April 2023



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BCO10366938 Received by Auckland Council 28/04/2023



Intel Plan

1:100

LINTEL/ BEAM SIZES
 AS PER TRUSS DESIGN BY CARTERS - REFER SPEC
 AND/ OR GANGWAY LINTEL SELECTION CHARTS & DESIGN SOFTWARE

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

DRAWING INFO	DESCRIPTION
Intel Plan	
PROJECT No: 22-017	
SCALE AT A3 as shown	
DRAWN BY: RM	
DATE PRINTED: Wednesday, 26 April 2023	
SHEET No: A104	

All contractor shall be in accordance with NZBC handbook and approved documents, NZS904:2011 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground services to be checked prior to commencement of all works. DO NOT scale off drawings. Cross reference all drawings confirm site levels, floor heights & setbacks prior to services. If any discrepancies occur, ask the designer or contractor immediately before commencing works or ordering materials. Contractor must locate relevant services prior to construction of services.

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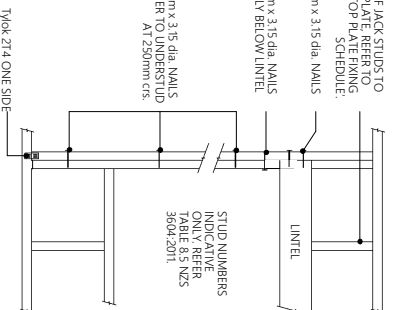


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FOR FIXING OF JACK STUDS TO LINTEL & TOP PLATE REFER TO STUD TO TOP PLATE FIXING SCHEDULE.

4 x 90mm x 3.15 dia. NAILS
2 x 90mm x 3.15 dia. NAILS DIRECTLY BELOW LINTEL

90mm x 3.15 dia. NAILS TRIMMER TO UNDERSTUD AT 250mm CRS.



Lumberlok Lintel Fixing - Type E

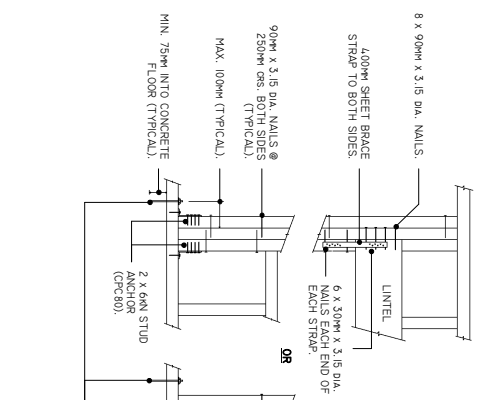
8 x 90mm x 3.15 dia. NAILS.

4.00M SHEET BRACE STRAP TO BOTH SIDES.

90mm x 3.15 dia. NAILS @ 250mm CRS. BOTH SIDES (TYPICAL).
MAX. 100mm (TYPICAL).

MIN. 75mm INTO CONCRETE FLOOR (TYPICAL).

2 x 6mm STUD ANCHOR (CRCD0)



Lumberlok Lintel Fixing - Type H

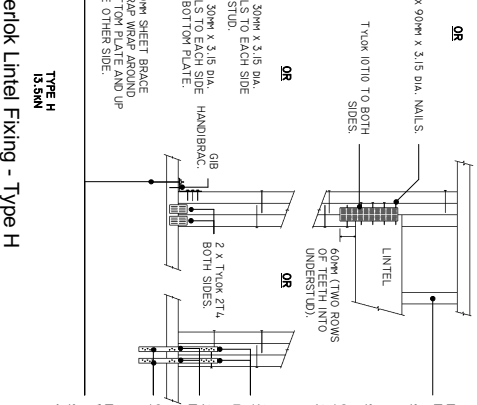
FOR FIXING OF JACK STUDS TO LINTEL & TOP PLATE REFER TO STUD TO TOP PLATE FIXING SCHEDULE.

4.00M SHEET BRACE STRAP TO BOTH SIDES.

90mm x 3.15 dia. NAILS @ 250mm CRS. BOTH SIDES (TYPICAL).
MAX. 100mm (TYPICAL).

MIN. 75mm INTO CONCRETE FLOOR (TYPICAL).

2 x 6mm STUD ANCHOR (CRCD0)



FOR FIXING OF JACK STUDS TO LINTEL & TOP PLATE REFER TO STUD TO TOP PLATE FIXING SCHEDULE.

4.00M SHEET BRACE STRAP TO BOTH SIDES.

90mm x 3.15 dia. NAILS @ 250mm CRS. BOTH SIDES (TYPICAL).
MAX. 100mm (TYPICAL).

MIN. 75mm INTO CONCRETE FLOOR (TYPICAL).

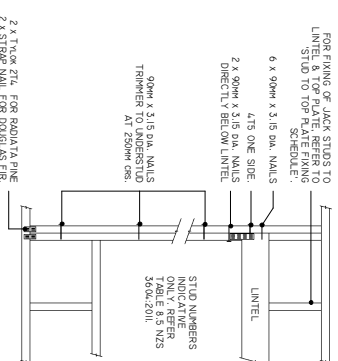
2 x 6mm STUD ANCHOR (CRCD0)



FOR FIXING OF JACK STUDS TO LINTEL & TOP PLATE REFER TO STUD TO TOP PLATE FIXING SCHEDULE.

6 x 90mm x 3.15 dia. NAILS
475 ONE SIDE
2 x 90mm x 3.15 dia. NAILS DIRECTLY BELOW LINTEL

90mm x 3.15 dia. NAILS TRIMMER TO UNDERSTUD AT 250mm CRS.



TYPE F

Lumberlok Lintel Fixing - Type F

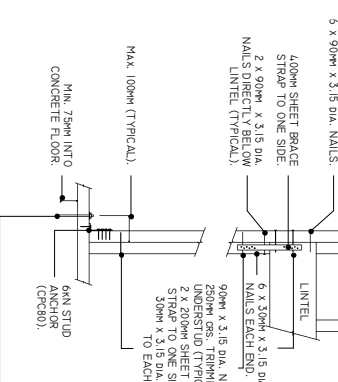
5 x 90mm x 3.15 dia. NAILS.

4.00M SHEET BRACE STRAP TO ONE SIDE.

2 x 90mm x 3.15 dia. NAILS DIRECTLY BELOW LINTEL (TYPICAL).

MAX. 100mm (TYPICAL).

MIN. 75mm INTO CONCRETE FLOOR.



TYPE G

Lumberlok Lintel Fixing - Type G

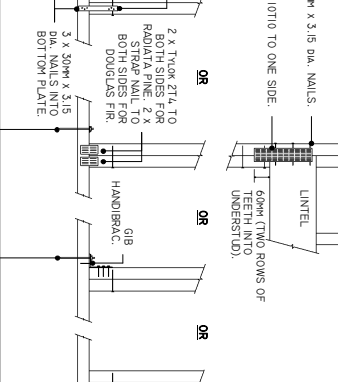
8 x 90mm x 3.15 dia. NAILS.

TYOK 10110 TO ONE SIDE.

6 x 30mm x 3.15 dia. NAILS EACH END OF UNDERSTUD.

250mm CRS. TRIMMER TO UNDERSTUD (TYPICAL).

MIN. 75mm INTO CONCRETE FLOOR.



FOR FIXING OF JACK STUDS TO LINTEL & TOP PLATE REFER TO STUD TO TOP PLATE FIXING SCHEDULE.

4.00M SHEET BRACE STRAP TO ONE SIDE x 30mm x 3.15 dia. NAILS TO STUD.

3 x 30mm x 3.15 dia. NAILS TO BOTTOM PLATE.

6 x 30mm x 3.15 dia. NAILS TO THIMBER JOIST/BEARER.

MIN. PROPRIETARY CONCRETE FIXING BOLT WITH 50x50x3M SQUARE WASHER OR M12 x 150MM COACH SCREW WITH 50x50x3M SQUARE WASHER INTO THIMBER JOIST/BEARER.

TYPE H

Lumberlok Lintel Fixing - Type H

PROJECT

PROPOSED DWELLING

23 Te Rapa Blvd
Paerata

23 Te Rapa Blvd
Paerata Auckland

DRAWING ISSUE

REV. DATE DESCRIPTION

DRAWING INFO

Lintel Fixing Details

PROJECT NO: 22-017

SCALE AT A3 as shown

DRAWN BY: RM

DRAWING INFO

SHEET NO: A105

DATE PRINTED: Wednesday, 26 April 2023

BCO10366938 Received by Auckland Council 28/04/2023

All construction shall be in accordance with NZBC handbook and approved documents, NZS900:2011 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & setbacks prior to services. If any discrepancies occur, ask the designer or contractor immediately before commencing work on ordering materials. Contractor must locate relevant works on drawings before commencing work.



PRESITE DESIGN LIMITED

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GIB EzyBrace® Systems specification GS1-N

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

GIB EzyBrace® Systems specification BL1-H

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 B1/AS1 Clause 3 Timber (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 and non-bearing walls. The use of kiln dried stress graded timber is recommended.

BOTTOM PLATE FIXING

Timber floor

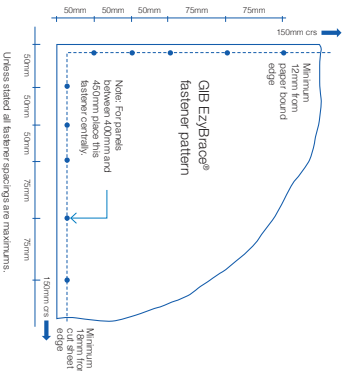
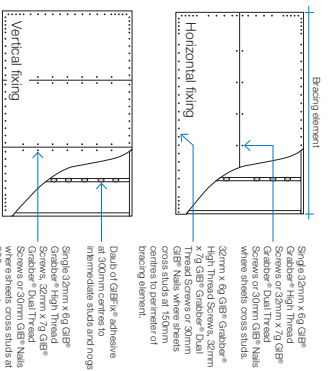
Pairs of hand driven 100 x 3.15mm nails at 600mm centres; or three power driven 90 x 3.15mm nails at 600mm centres.

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 3604:2011 for external wall bottom 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.



WALL FRAMING

Wall framing to comply with:

- NZBC B1 — Structure B1/AS1 Clause 3 Timber (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 and non-bearing walls. The use of kiln dried stress graded timber is recommended.

BOTTOM PLATE FIXING

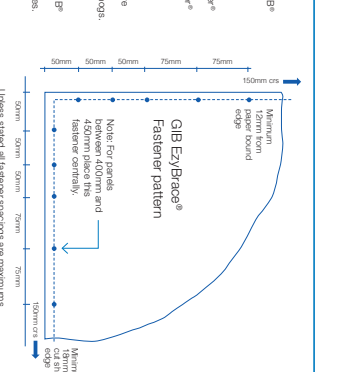
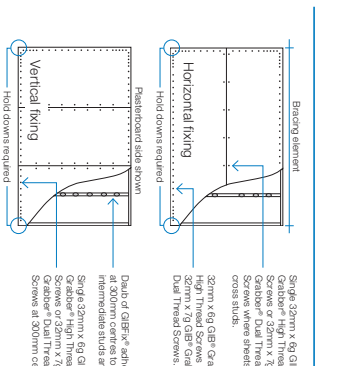
Timber floor

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

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

WALL LINING

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



PROJECT

PROPOSED DWELLING

23 Te Rapa Blvd
Paerata
23 Te Rapa Blvd Paerata Auckland

DRAWING ISSUE

REV. DATE DESCRIPTION

DRAWING INFO

Gib Board Details

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

SHEET No: A107

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

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

All contractor shall be in accordance with NZS2 vendor and approved documents, NZS900:2011 and local temporal authority requirements. All plans & building work is subject to council approval. All dimensions & underground services locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings confirm site work, four heights & setbacks prior to services. If any discrepancies occur, ask the designer or contact immediately before commencing work or starting any services. Contact and issue relevant to this drawing only. BCO10366938/28/04/2023



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BCO10366938 Received by Auckland Council 28/04/2023

Wednesday 26 April 2023

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

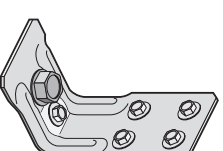
positioned in such a way that the corner fastenings of the bracing element are not affected by it. Keeping the strap to the edge of the end stud as shown will allow the corner fastenings to be installed without having to penetrate the bracing strap.

GIB HandiBrac® installation

Developed in conjunction with MITek™, the GIB HandiBrac® has been designed and tested by Winstone Wallboards for use in GIB EzyBrace® elements that require hold-downs. The GIB 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.

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

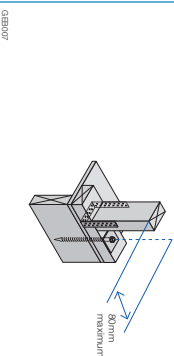
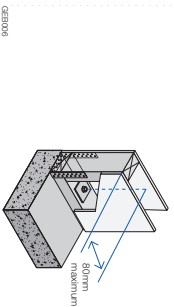
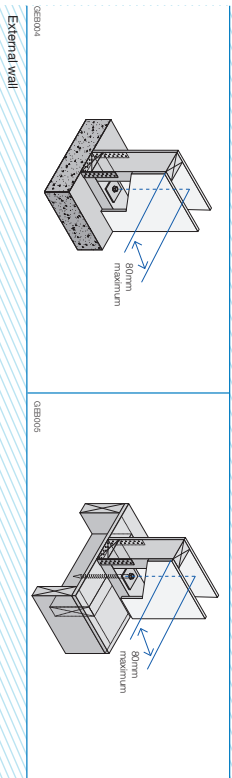


Concrete floor

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

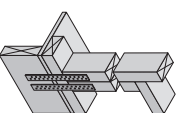
Timber floor

2/3000 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.



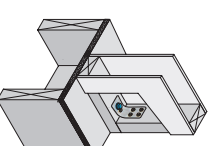
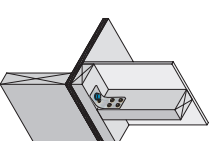
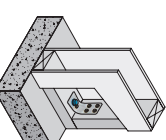
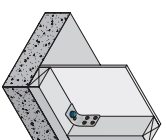
Note: Where applicable drawings have been produced for CAD design. These are identified by a unique number in the bottom corner of each detail box that can be found at gib.co.nz/library.

2/3000 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.



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

Concrete floor	Timber floor
External walls	External walls
Internal walls	Internal walls



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.

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

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

PROJECT

PROPOSED DWELLING

23 Te Rapa Blvd
Paerata
23 Te Rapa Blvd Paerata Auckland

DRAWING ISSUE

REV. DATE DESCRIPTION

DRAWING INFO

Gib Board Details

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

SHEET No: A108

DATE PRINTED: Wednesday, 26 April 2023

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All contractor shall be in accordance with NZS3604 and approved documents, NZS904:2011 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & setbacks prior to services. If any discrepancies occur, ask the designer or contractor immediately before commencing work or ordering materials. Contractor must locate relevant drawings prior to commencement of work.



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7.7 ECOPLY® BARRIER BRACING SPECIFICATION – EPB1

Table 5: Sided Structural Plywood Brace

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

Framing

Wall framing must comply with:

- NZBC B1 - Structure: ASI Clause 3 Timber (NZS 3604).
- NZBC B2 - Durability: ASI Clause 3.2 Timber (NZS 3602).

Framing dimensions and height are as determined by the NZS 3604 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 of minimum SGR, such as Laserframe®, is recommended.

Bottom Plate Fixing

Use GIB HandiBrac® hold-down connections at each end of the bracing element. Refer to manufacturer 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.

Lining

One layer of 7mm Ecoply® Barrier vertically fixed directly to framing. If part sheets are used, ensure nailing at required centres is carried out around the perimeter of each sheet or part sheet. A 2.3mm expansion gap should be left between sheets.

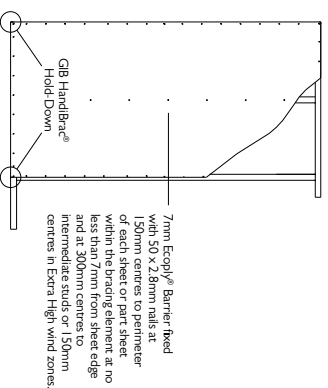
Fastening Ecoply® Barrier Panels

Fasteners

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

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

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



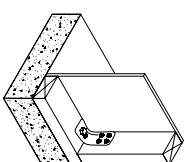
7.1.1 GIB HANDIBRAC® - RECOMMENDED INSTALLATION METHOD

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

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

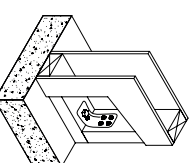
Concrete Floor

External Walls



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

Internal Walls



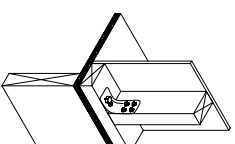
Hold-down Fastener Requirements

A mechanical fastening with a minimum characteristic uplift capacity of 15kN or screw bolt supplied with the bracket.

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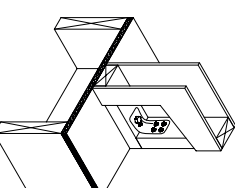
Timber Floor

External Walls



Position GIB HandiBrac® in the centre of the perimeter post or better.

Internal Walls



Hold-down Fastener Requirements

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

Ecoply Barrier Hold Down Details

PROJECT

PROPOSED DWELLING

23 Te Rapa Blvd

Paerata

23 Te Rapa Blvd Paerata Auckland

DRAWING ISSUE

REV. DATE

DESCRIPTION

DRAWING INFO

Bracing Details

PROJECT No:

SCALE AT A3

DRAWN BY:

SHEET No: A109

22-017

as shown

RM

DATE PRINTED

Wednesday 26 April 2023

BCO10366938 Received by Auckland Council 28/04/2023

All contractor shall be in accordance with NZBC handbook and approved documents, NZS3604:2011 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings confirm site levels, floor heights & setbacks prior to work. If any discrepancies occur, ask the designer or contractor immediately before commencing work or ordering materials. Contractor must make relevant enquiries prior to work.

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FOUNDATION NOTES

CONTRACTOR TO CROSS REFERENCE THE FOUNDATION PLAN WITH THE FLOOR PLAN PRIOR TO SETTING OUT SLAB.

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

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

DRAINLAYERS TO CONFIRM PLUMBING / DRAINAGE ROUTES BEFORE POURING OF CONCRETE SLAB PLUMBING / DRAINAGE AS PER AS/NZS 3500.2:2003.

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

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

FOUNDATION PLUMBING NOTES

PLUMBING TO AS/NZS3500.2 (2 min. 1:60 PPE GRADIENT) BY QUALIFIED TRADESMAN.

CONTRACTOR TO LOCATE ALL SERVICE CONNECTION ON SITE PRIOR TO EARTHWORKS.

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

MIN. PVC FIXTURE WASTE SIZES:

- DN40 BASINS, DN40 SINGLE HEAD SHOWERS, BATHS, SINKS & LINDY TUBS.
- DN60 MULTITREE HEAD SHOWERS, DN65 DIVERGENT BRANCHED DRAINS
- MIN. 1:40 GRADIENT
- 20mm HWC COPPER VENT DRAIN.
- DN100 SOIL STACK DRAIN FROM UPPER FLOOR TO SLAB.

65mm DIA. PVC TERMINAL VENT AND CAP TO ROOF. WEATHERPROOF BY PLUMBER WITH COMPATIBLE FLASHING SEALED TO ROOF.

PROJECT	DRAWING ISSUE
PROPOSED DWELLING	REV. DATE

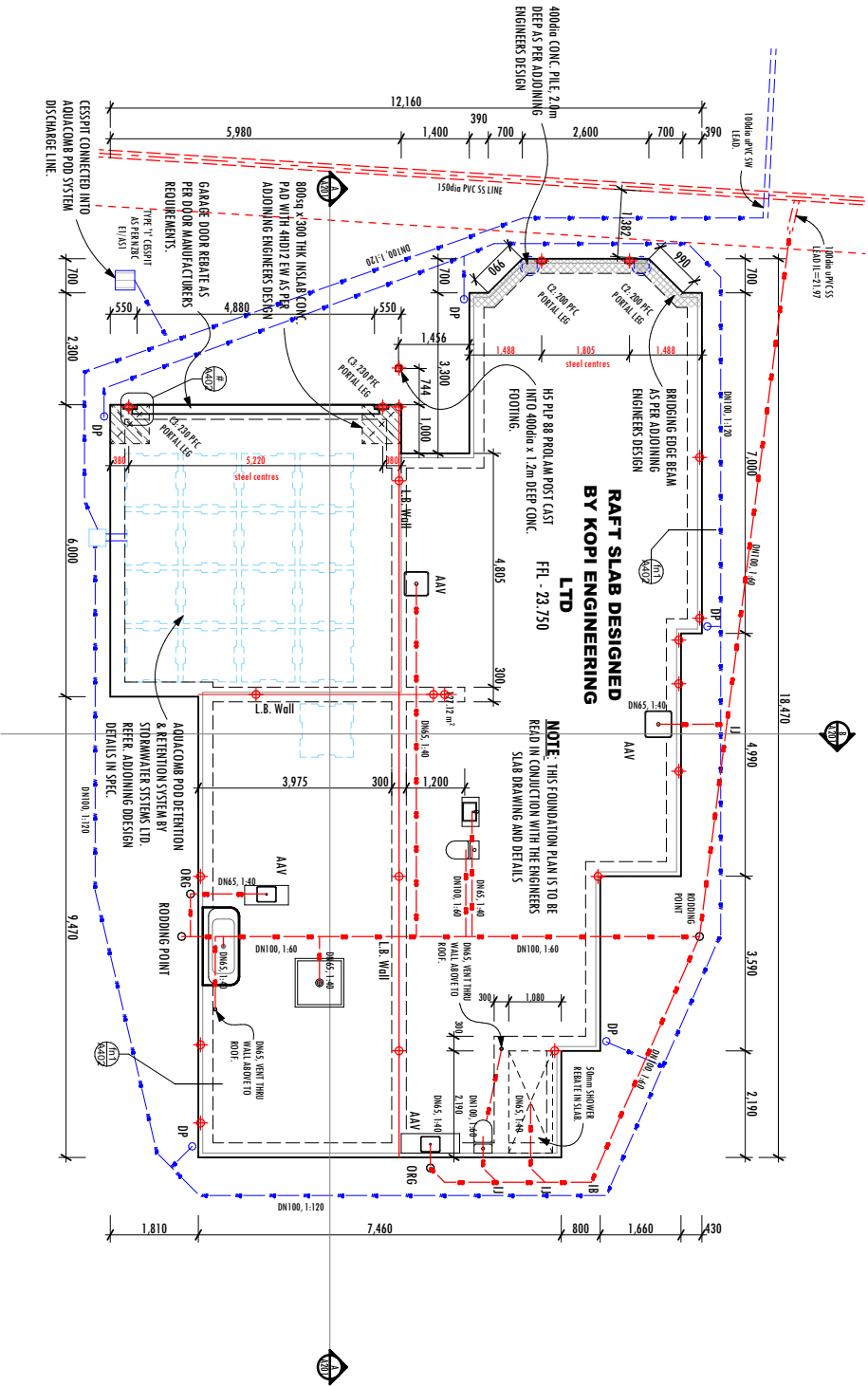
23 Te Rapa Blvd
Paerata
23 Te Rapa Blvd Paerata Auckland

DESCRIPTION

1

Foundation Plan

1:100



DESCRIPTION

FOUNDATION INFO
Foundation Plan

PROJECT No: 22-017
SCALE AT A3
DRAWN BY: RM

SHEET No: A110

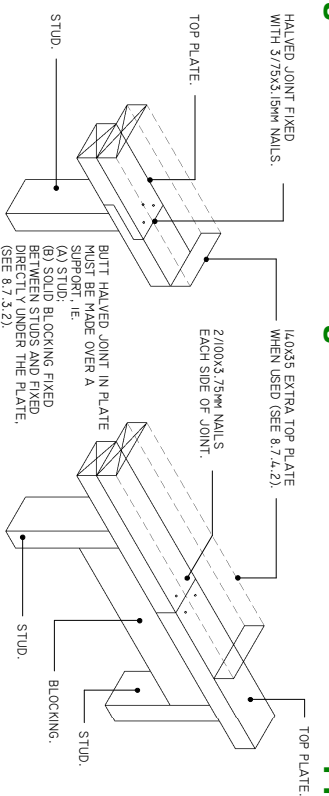
All contractor shall be in accordance with NZBC, handbook and approved documents, NZS3902:01 and local temporal authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & setbacks prior to services. If any discrepancies occur, ask the designer or contractor immediately before commencing work or ordering any materials. Contractor must locate relevant services prior to starting any work.



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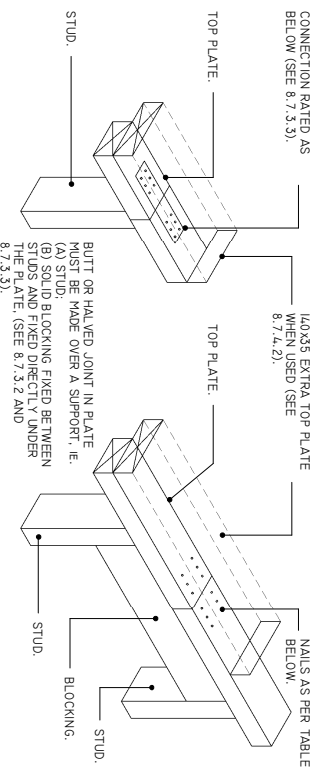
REVIEWED
By chande at 10:36 am, May 24, 2023



(A) HALVED JOINT
CONNECTING TOP PLATES - WALLS NOT CONTAINING BRACING (SEE 8.7.3.2).

(B) BUTT JOINT

Top Plate Connection - Non Braced Walls Fig. 8.14



(A) BUTT JOINT OVER STUD

(B) BUTT JOINT OVER BLOCKING

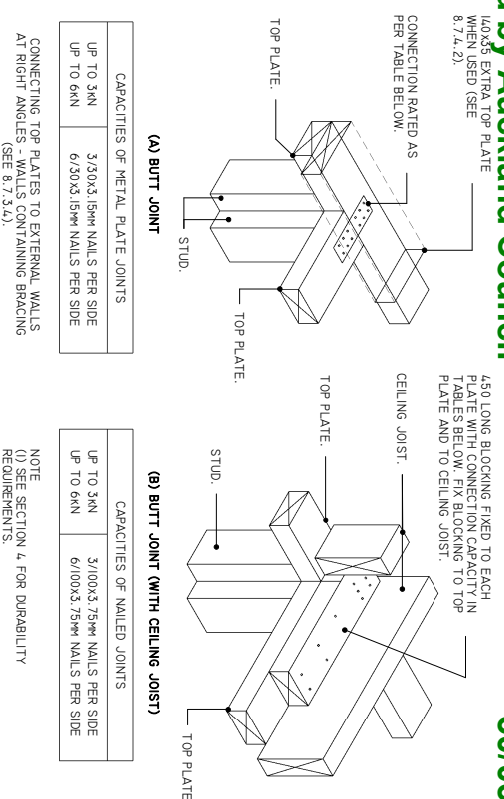
CAPACITIES OF METAL PLATE JOINTS (2)	
UP TO 3kN	3/30x3, 15mm NAILS PER SIDE
UP TO 6kN	6/30x3, 15mm NAILS PER SIDE

CAPACITIES OF NAILED JOINTS (2)	
UP TO 3kN	3/100x3, 75mm NAILS PER SIDE
UP TO 6kN	6/100x3, 75mm NAILS PER SIDE

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)

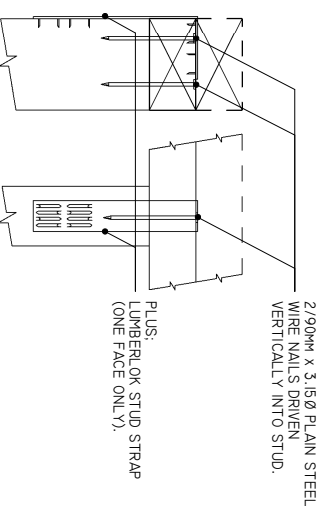
Top Plate Connection - Braced Walls Fig. 8.15



CONNECTING TOP PLATES TO EXTERNAL WALLS AT RIGHT ANGLES (SEE 8.7.3.4).

NOTE
SEE SECTION 4 FOR DURABILITY REQUIREMENTS.

Top Plate Connection - Braced Walls Fig. 8.16



Lumberlok Top Plate Fixing Type B

PROJECT

PROPOSED DWELLING

23 Te Rapa Blvd

Paerata

23 Te Rapa Blvd Paerata Auckland

DRAWING ISSUE

REV. DATE DESCRIPTION

DRAWING INFO

Wall Connection Details

PROJECT NO: 22-017

SCALE: A1 A3 as shown

DRAWN BY: RM

SHEET NO: A112

DATE PRINTED

Wednesday 26 April 2023

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All contractor shall be in accordance with NZBC Lumberlok and approved documents, NZS909:2011 and local territorial authority requirements. All plates & blocking work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings confirm site levels, floor heights & setbacks prior to service. If any discrepancies occur, ask the designer or contractor immediately before commencing work or ordering materials. Contractor must locate relevant drawings (e.g. 20/04/2023) before commencing work.

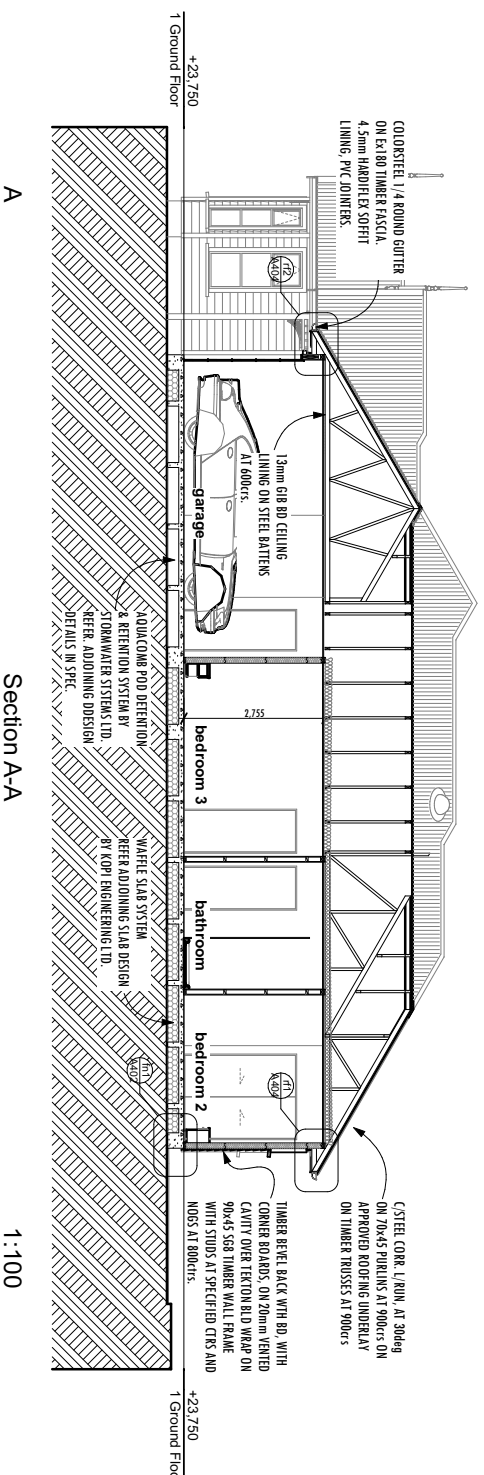


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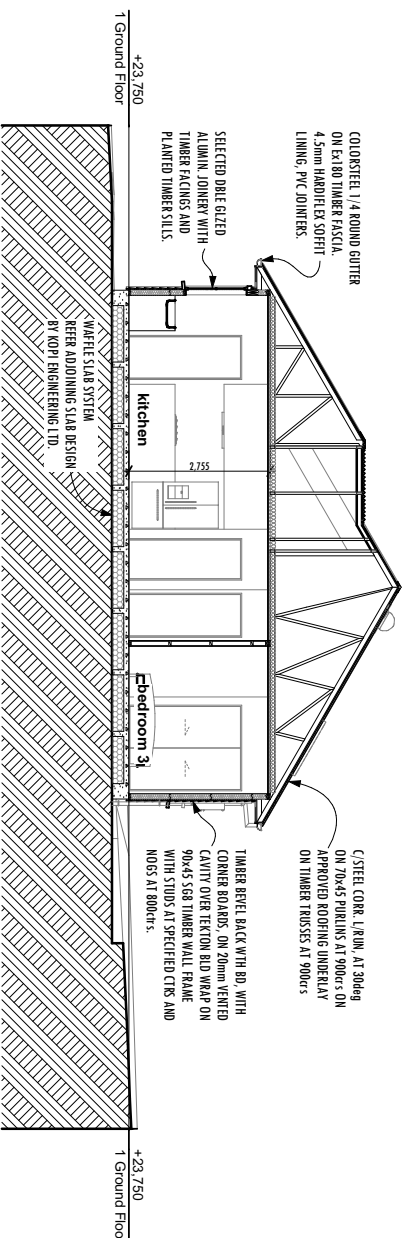
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A Section A-A 1:100



B Section B-B 1:100

PROJECT	
PROPOSED DWELLING	
23 Te Rapa Blvd	
Paerata	
23 Te Rapa Blvd Paerata Auckland	

DRAWING ISSUE	
REV.	DATE

DESCRIPTION	

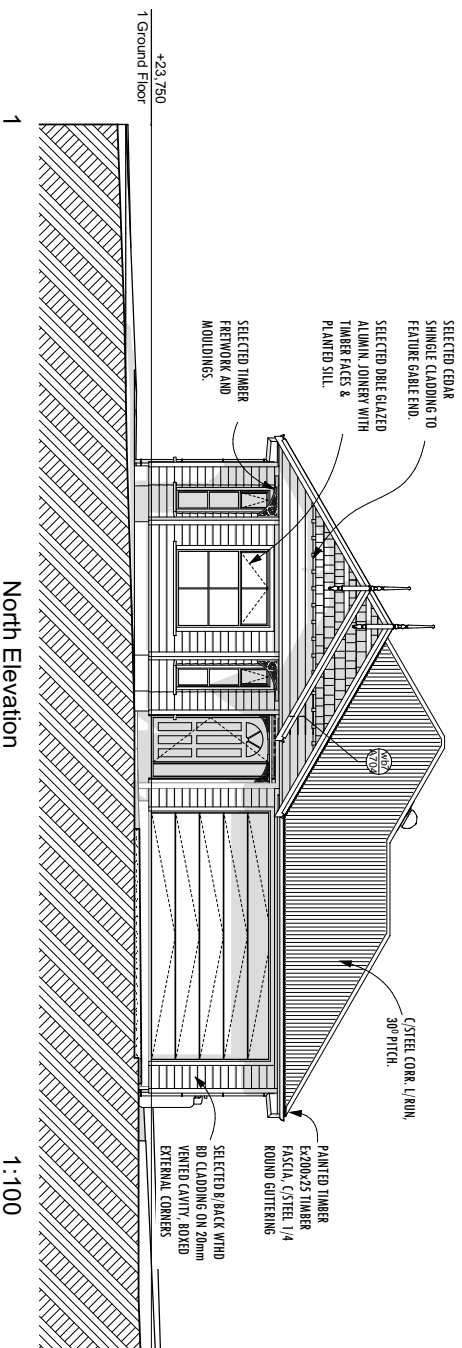
DRAWING INFO	
Sections	
PROJECT No:	22-017
SCALE AT A3	as shown
DRAWN BY:	RM

DATE PRINTED	Wednesday, 26 April 2023
SHEET No:	A.201

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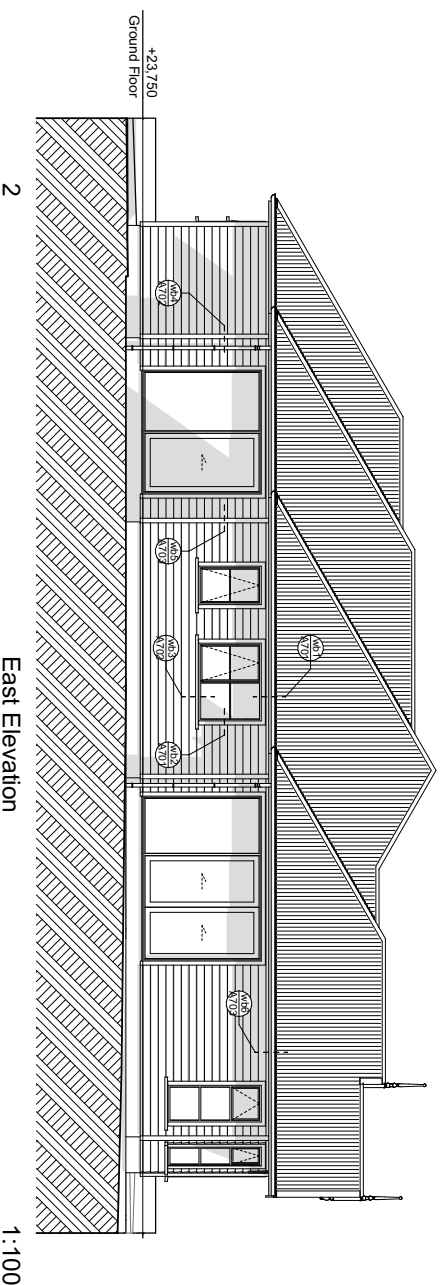


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BUILDING ENVELOPE RISK MATRIX		
North Elevation		
Risk Factor	Risk Severity	Risk Score
Wind zone (per NZS 3804)	High risk	1
Number of storeys	Low risk	0
Roof/wall intersection design	Very/high risk	5
Eaves width	High risk	2
Envelope complexity	Low risk	0
Deck design	Low risk	0
Total Risk Score:		8

BUILDING ENVELOPE RISK MATRIX		
East Elevation		
Risk Factor	Risk Severity	Risk Score
Wind zone (per NZS 3804)	Low risk	0
Number of storeys	Low risk	0
Roof/wall intersection design	High risk	2
Eaves width	Low risk	0
Envelope complexity	Low risk	0
Deck design	Low risk	0
Total Risk Score:		3



PROJECT
PROPOSED DWELLING

23 Te Rapa Blvd
Paerata
23 Te Rapa Blvd Paerata Auckland

DRAWING ISSUE
REV. DATE DESCRIPTION

DRAWING INFO
Elevations

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

SHEET No: A301

DATE PRINTED

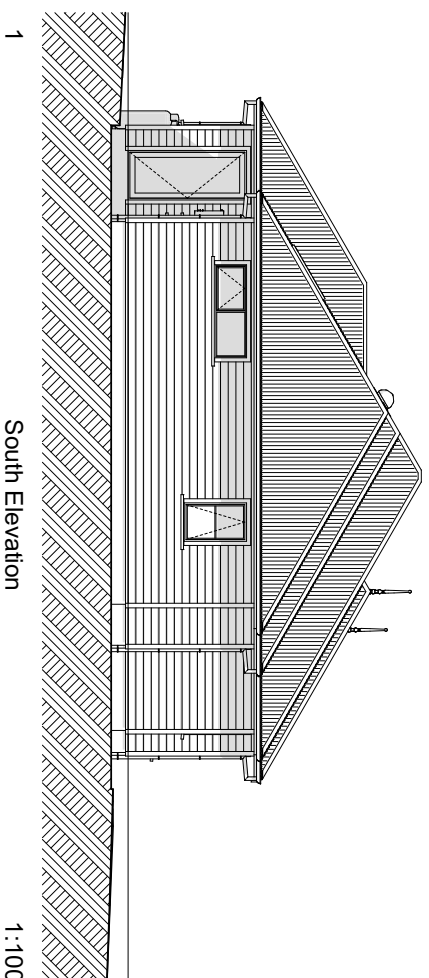
Wednesday, 26 April 2023

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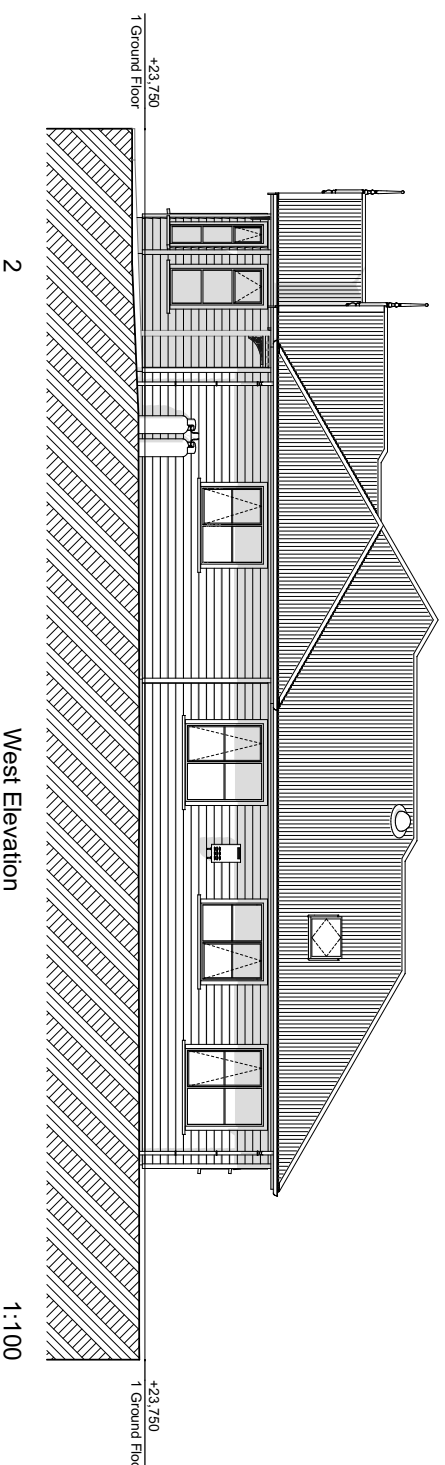


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BUILDING ENVELOPE RISK MATRIX			
South Elevation			
Risk Factor	Risk Severity	Risk Score	
Wind zone (per NZS 3604)	High risk	1	
Number of storeys	Low risk	0	
Roof/wall intersection design	Low risk	0	
Eaves width	High risk	2	
Envelope complexity	Low risk	0	
Deck design	Low risk	0	
Total Risk Score:		3	

BUILDING ENVELOPE RISK MATRIX			
West Elevation			
Risk Factor	Risk Severity	Risk Score	
Wind zone (per NZS 3604)	High risk	1	
Number of storeys	Low risk	0	
Roof/wall intersection design	High risk	2	
Eaves width	Low risk	0	
Envelope complexity	Low risk	0	
Deck design	Low risk	0	
Total Risk Score:		3	



PROJECT

PROPOSED DWELLING

23 Te Rapa Blvd
Paerata
23 Te Rapa Blvd Paerata Auckland

DRAWING ISSUE

REV. DATE DESCRIPTION

DRAWING INFO

Elevations

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

SHEET No: A302

DATE PRINTED

Wednesday, 26 April 2023

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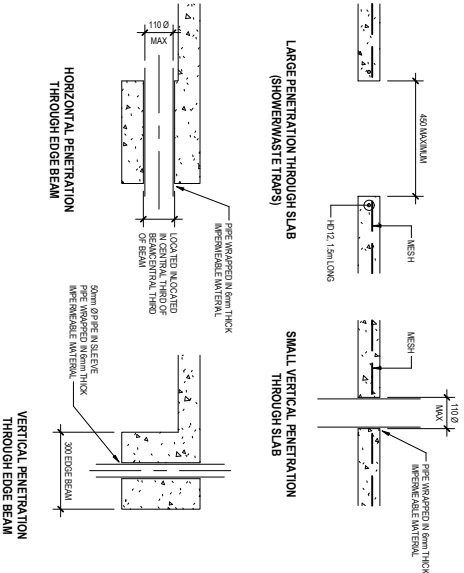
MAXIMUM DIAMETER OF PIPE SERVICES

ELEMENT	VERTICAL SERVICE	HORIZONTAL SERVICE
30mm WIDE EDGE BEAM	30mm NOMINAL SIZE PIPE	100mm NB PIPE
50mm LOCALISED WIDE EDGE BEAM (1)	100mm NB PIPE	100mm NB PIPE
300mm WIDE INTERNAL LOAD BEARING RIB	50 NB PIPE	100mm NB PIPE
100mm WIDE INTERNAL RIB	N/A	100mm NB PIPE
SLAB	400mm SQUARE SERVICES ALSO NOTE 3	N/A

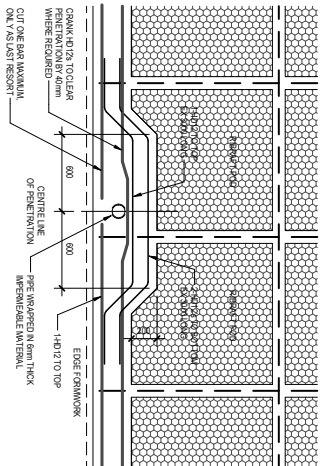
NOTES:

- FOR SITUATIONS WHERE A 100mm DIAMETER PIPE IS REQUIRED TO PASS VERTICALLY THROUGH THE EDGE BEAM THE EDGE BEAM FACE OF THE EDGE BEAM AND 200mm FROM THE FACE OF THE RIB SHALL BE REMOVED AT 200mm FROM A DISTANCE OF 800mm BEYOND THE SERVICE PIPE REFER TO FIGURE 15 FOR DETAILS.
- WHERE A GAS PIPE LINE RUNS THROUGH THE REBAR/FRIB CONCRETE SYSTEM IN ADDITION TO THE REQUIREMENTS ABOVE, THE PIPELINE SHALL ENTER THE BUILDING THROUGH THE OUTSIDE FACE OF THE PERMETER FOUNDATION BEAM AND BE LOCATED IN BUILDING ENVELOPE SHOWN/INDICATED CONCRETE WITHIN THE FOUNDATION BEAM AND REBAR/FRIB CONCRETE SYSTEM.
- LARGE PENETRATIONS OF UP TO 400mm SQUARE (e.g. 150mm DIA. SERVICES) ARE REQUIRED THROUGH THE SLAB PROVIDED ALL THE CONDITIONS OF THIS DRAWING ARE MET. THESE OPENINGS SHALL BE FORMED WITH 1400mm DIA. CORE BAR 100mm LONG SPACED ALONG EACH SIDE OF THE OPENING. THE TOP ONE SET OF REBAR BARS SHALL BE FOLDED EDGE BEAM FINISH SIDE. THE REBAR SPACING SHALL BE REDUCED ON THE POOL ABOUT ALTERNATE TO ENSURE THAT THE OPENING COVERS SLAB IN THE SLAB ABOVE A 150mm DIA. PENETRATIONS SLAB AS THESE SHALL NOT BE INSTALLED IN CAGES PENETRATED IN THE SLAB ABOVE ANY SINGLE POOL OR PART POOL WHERE TWO LARGE OPENINGS ARE REQUIRED TO BE CLOSE PROXIMATE. AN INTERNAL RIB SHALL SEPARATE THEM FOR THESE LARGE PENETRATIONS IN THE SLAB. THE SERVICES SHALL BE INSTALLED IN THE SLAB ABOVE THE POOL. THIS TYPE OF OPENING IS NORMALLY REQUIRED FOR A SHOWER WASTEWATER AND THE INSTALLATION OF THE SHOWER WILL ENSURE THAT THE VOID IS SEALED/COVERED.

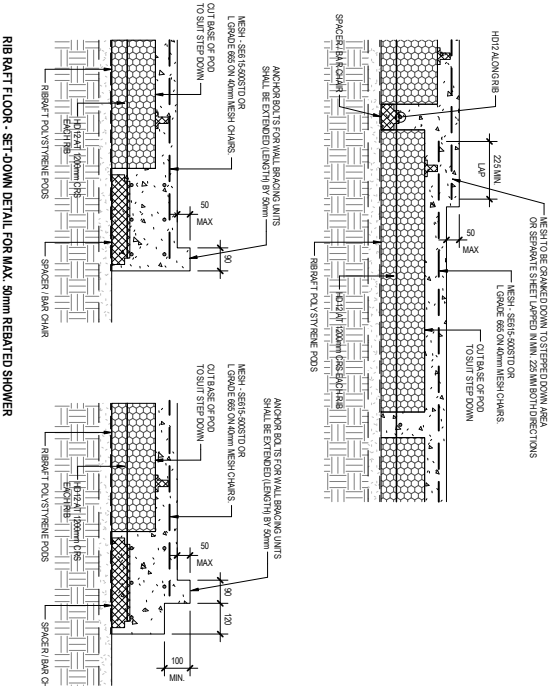
EXAMPLE OF DETAILING REQUIREMENTS FOR SERVICES



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

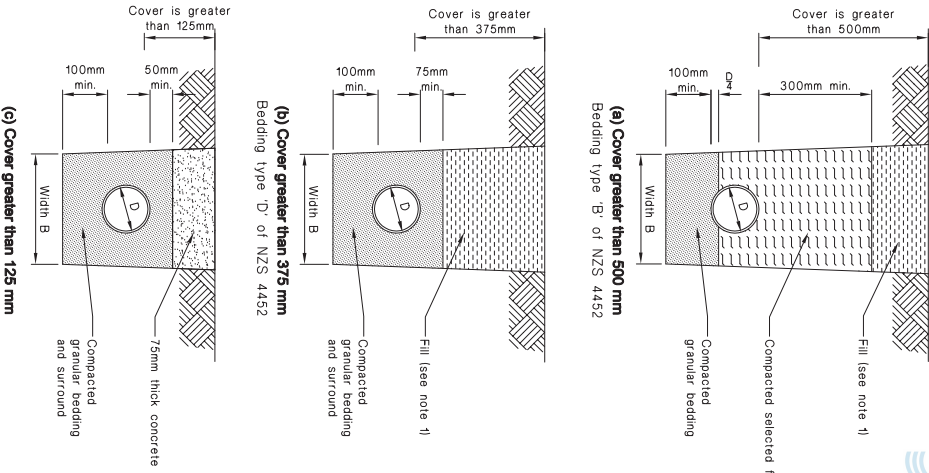


DETAILS WHERE RECESSES OF UP TO 50mm ARE REQUIRED FOR REBATED SHOWERS



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



PROJECT	DRAWING ISSUE
PROPOSED DWELLING	REV. DATE DESCRIPTION

23 Te Raia Blvd
Paerata
23 Te Raia Blvd Paerata Auckland

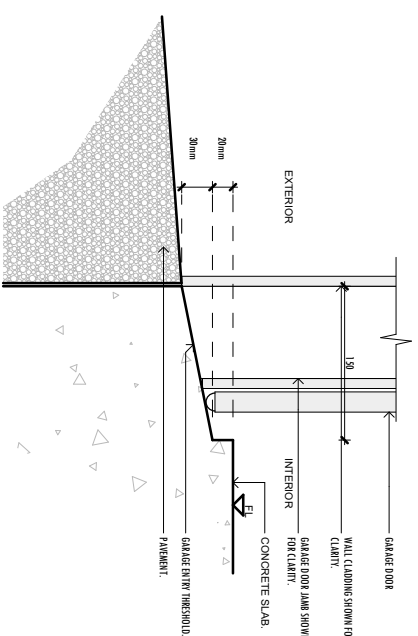
DRAWING INFO	FOUNDATION DETAILS
PROJECT No: 22-017	SCALE AT A3 as shown
DRAWN BY: RM	

DATE PRINTED: Wednesday, 26 April 2023
SHEET NO.: A401

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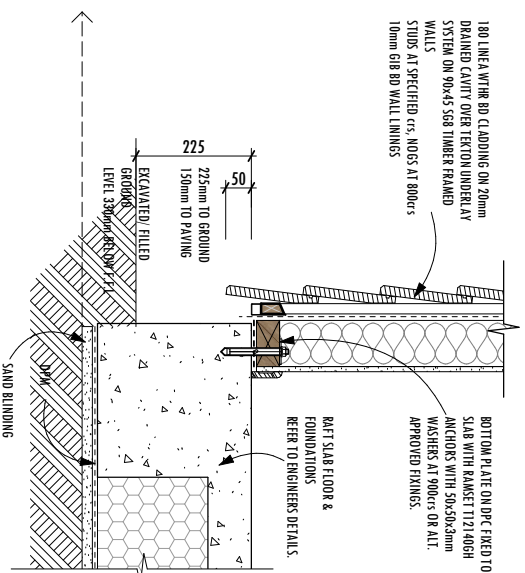
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Garage Door Rebate Detail

1:5



fn1 Foundation Detail

1:10

Figure 65: Levels and garage openings Paragraphs 9.1.3, 9.1.3.4, 9.2.5, Table 18

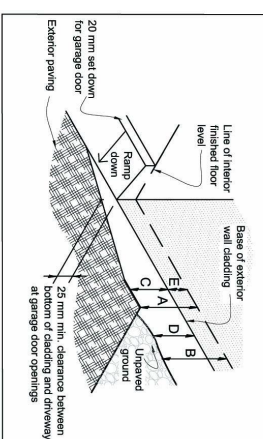


Table 18: Minimum clearances
Paragraphs 9.1.3, 9.1.3.1, 9.1.3.2, 9.1.3.3, 9.1.3.4, 9.1.3.5 and 9.2.7

Minimum clearances (mm)	Masonry veneer		Other claddings				
	A	B	A	B	C	D	E
Concrete slab	100	150	150	225	100	175	50

NZBC GARAGE OPENING THRESHOLD

1:5

PROJECT

PROPOSED DWELLING

23 Te Rapa Blvd
Paerata
23 Te Rapa Blvd Paerata Auckland

DRAWING ISSUE

REV. DATE DESCRIPTION

DRAWING INFO

Foundation Details

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

DATE PRINTED

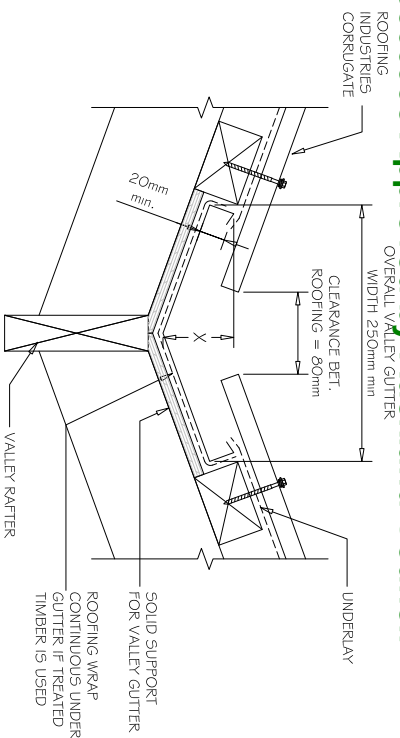
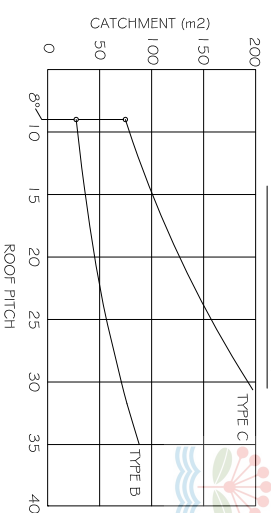
Wednesday, 26 April 2023

SHEET No: A402

All contractor shall be in accordance with NZBC handbook and approved documents, NZS909201 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground services locations to be checked prior to commencement of all works. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, heights & setbacks prior to services. If any discrepancies occur, ask the designer or contractor immediately before commencing works or during a pre-start. Contractor must locate relevant services prior to any excavation or works.

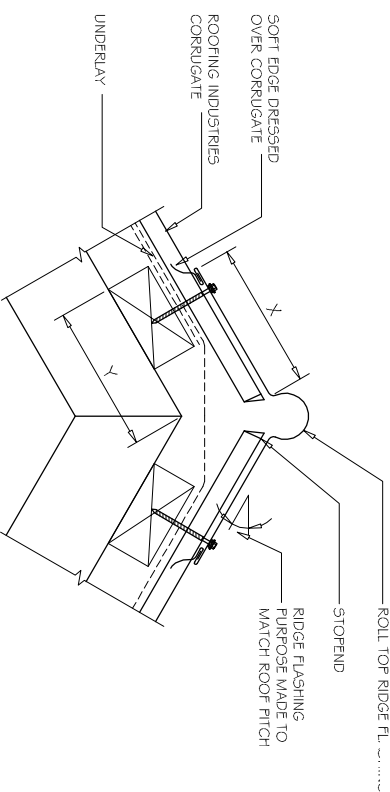
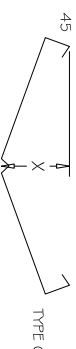


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(A) VALLEY GUTTER CORRUGATED PROFILE
1:5

NOTE:
(1) ADDITION OF CENTRAL BAFFLE RECOMMENDED
(2) ROOF PITCHES BELOW 8° REQUIRE AN INTERNAL GUTTER



(A) ROLL TOP VERSION CORRUGATED PROFILE
1:5

SITE WIND ZONE (As per NZS5604)	MINIMUM mm (X)
SITUATION 1 (1)	130 (3)
SITUATION 2 (2)	200 (3)

VALLEY DEPTH	TYPE B	TYPE C
Roof Pitch	75	75
8-12°	75	75
>12-35°	50	70
>35° (1)	50	70

- NOTES:
- (1) SITUATION 1: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER.
 - (2) SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH LESS THAN 10°.
 - (3) EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING.

ROOF PITCH	DISTANCE Y mm	
	SITUATION 1	SITUATION 2
8°	N/A	218
10°	167	217
15°	162	212
20°	156	206
25°	150	200
30°	143	193
35°	134	184
40°	125	175
45°	115	165

FOR STANDARD 50mm FURLINS ON FLAT

Roof Details

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

SHEET No: A403

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PRESTIGE DESIGN
LIMITED

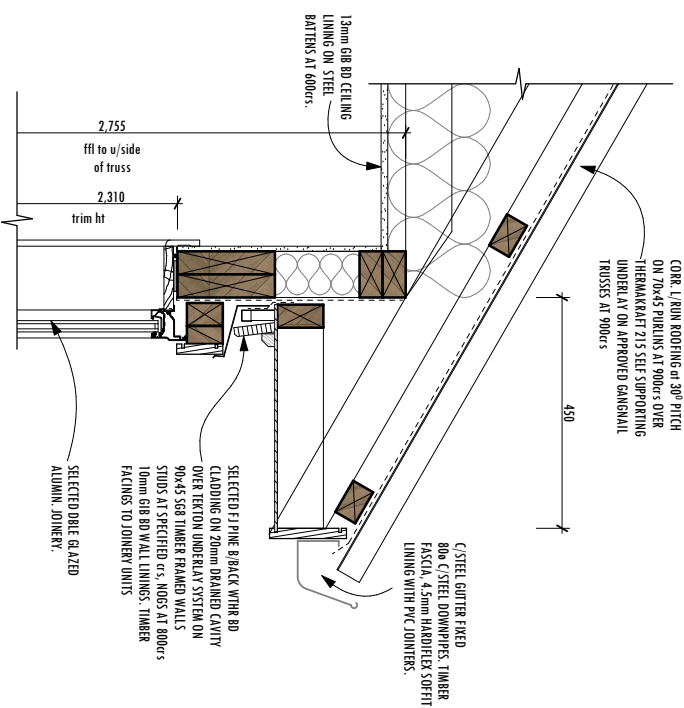
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PROJECT PROPOSED DWELLING

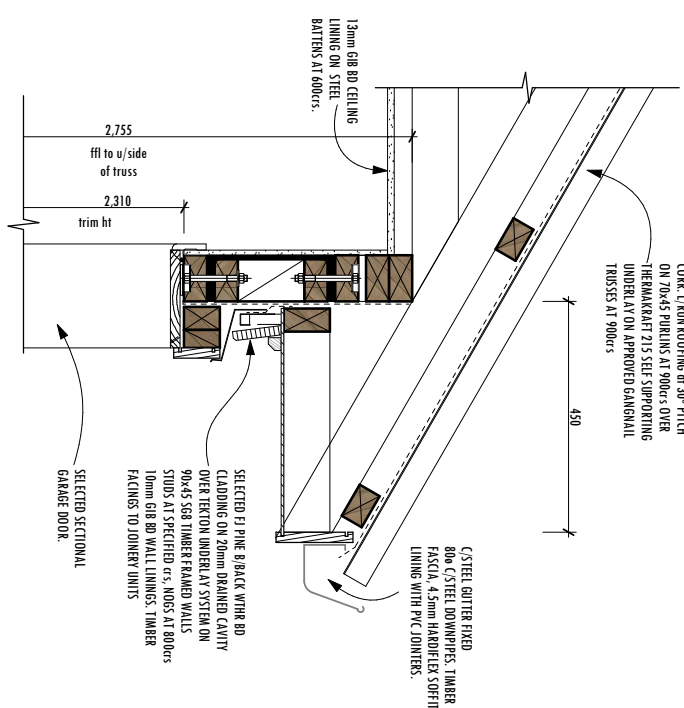
23 Te Rapa Blvd
Paerata
23 Te Rapa Blvd Paerata Auckland

DRAWING ISSUE REV. DATE DESCRIPTION

DATE PRINTED: Wednesday, 26 April 2023
BCO10366938 Received by Auckland Council 28/04/2023



rf1 Eave Detail - Typical Soffit 1:10



rf2 Roof Detail - Garage Soffit 1:10

PROJECT	
PROPOSED DWELLING	
23 Te Rapa Blvd	Paerata
23 Te Rapa Blvd Paerata Auckland	

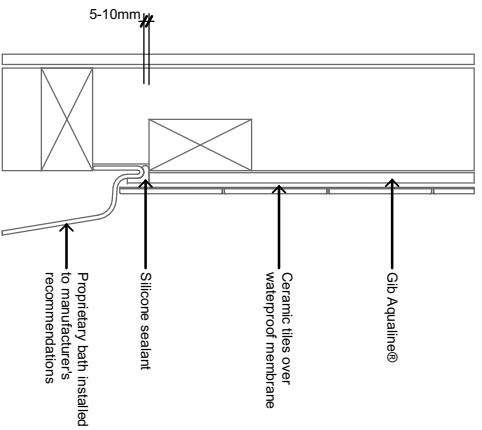
DRAWING ISSUE	
REV.	DATE
DESCRIPTION	

DRAWING INFO	
Roof Details	
PROJECT No:	22-017
SCALE AT A3	as shown
DRAWN BY:	RM
DATE PRINTED	Wednesday 26 April 2023
SHEET No:	A404

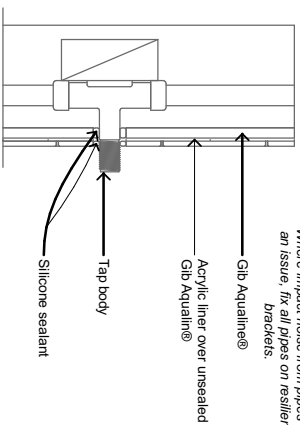
All contractor shall be in accordance with NZBC, handbook and approved documents, NZS900:2011 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & sections prior to site works. If any discrepancies occur, ask the designer or contractor immediately before commencing work or ordering materials. Contractor must make relevant enquiries prior to commencement of work.



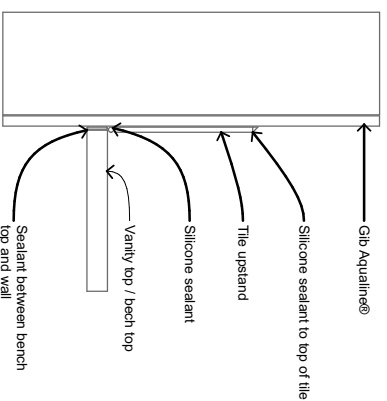
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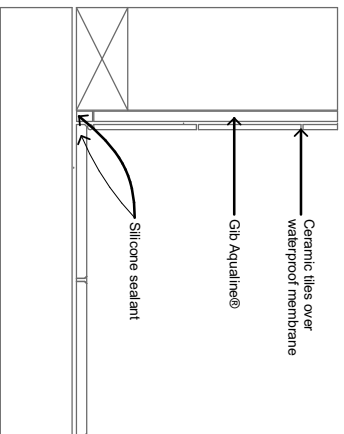
Bath/Wall Detail GAW-D006



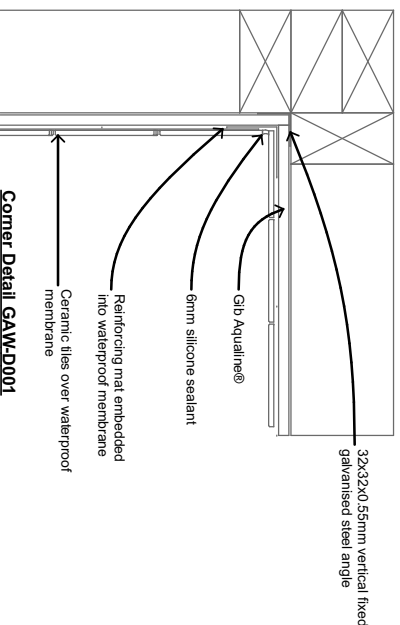
Penetration Detail GAW-D002



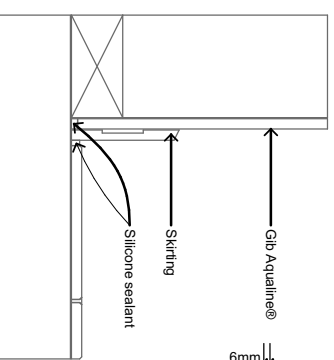
Bench Top/Wall Detail GAW-D0031



Wall/Floor Detail GAW-D003



Corner Detail GAW-D001



Wall/Floor Detail GAW-D033

PROJECT	DRAWING ISSUE
PROPOSED DWELLING	REV. DATE DESCRIPTION

23 Te Rapa Blvd
 Paerata
 23 Te Rapa Blvd Paerata Auckland

DRAWING INFO	DESCRIPTION
Wet Area Details	PROJECT No: 22-017 SCALE AT A3 as shown DRAWN BY: RM

SHEET No: A501

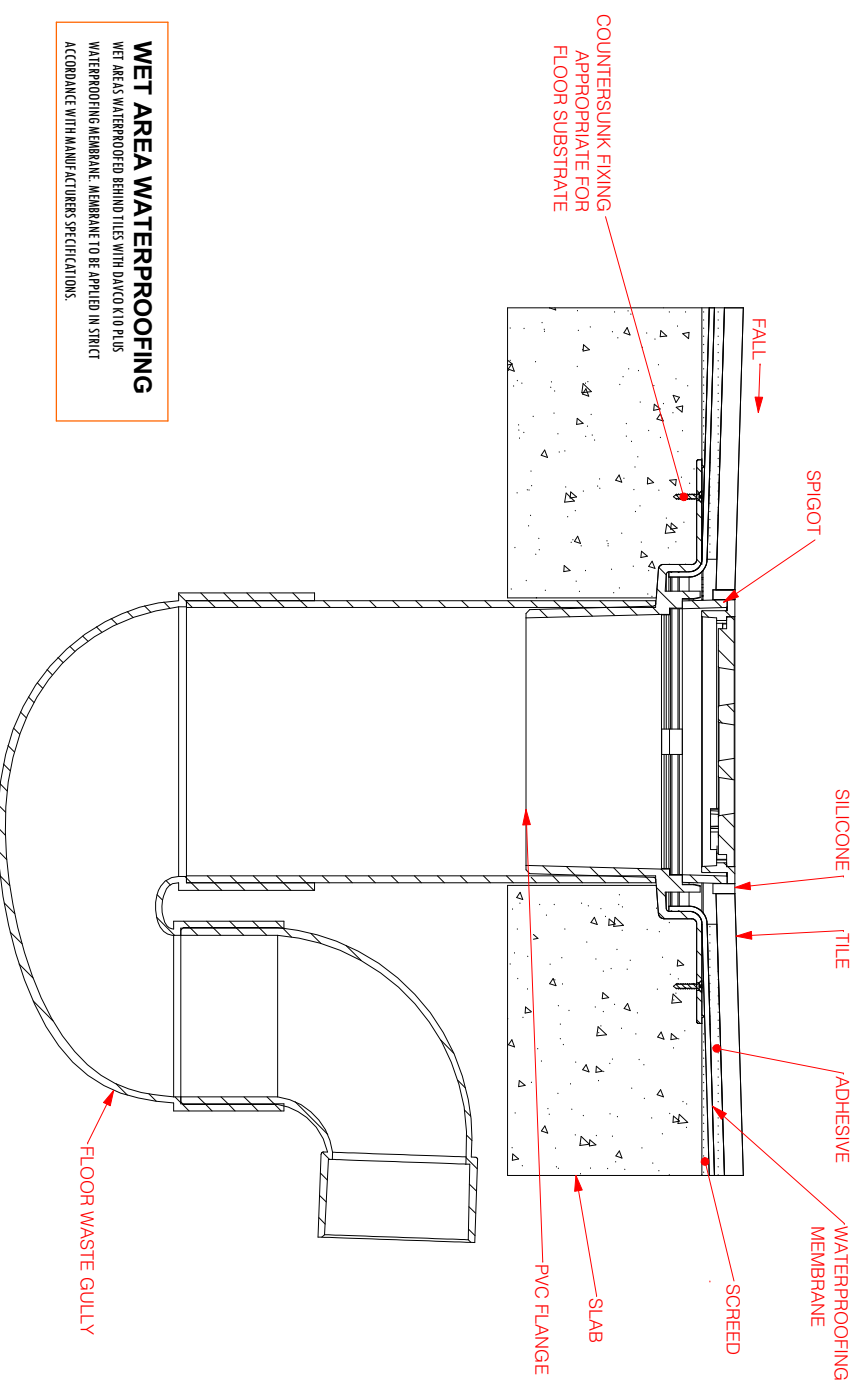
DATE PRINTED: Wednesday, 26 April 2023

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WET AREA WATERPROOFING
 WET AREAS WATERPROOFED BEHIND TILES WITH DAVCO K10 PLUS WATERPROOFING MEMBRANE. MEMBRANE TO BE APPLIED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

Tile Floor Install-Concrete (2) 1:1

PROJECT	
PROPOSED DWELLING	
23 Te Rapa Blvd	
Paerata	
23 Te Rapa Blvd Paerata Auckland	

DRAWING ISSUE	
REV.	DATE

DRAWING INFO	
Wet Area Details	
PROJECT No:	22-017
SCALE AT A3	as shown
DRAWN BY:	RM
DATE PRINTED	Wednesday, 26 April 2023
SHEET No:	A502

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GIB NON-TILED WALLS – TIMBER FRAMING

TIMBER WALL FRAMING

Framing dimensions must comply with the requirements of NZS 3604:2011.

- The moisture content of timber framing shall be 18% or less at the time of lining
- Studs shall be spaced at 600mm centres maximum for both 10mm and 19mm GIB® plasterboard
- Nogs to be evenly spaced with a maximum spacing of 1350mm. Alternatively, nogs may be staggered 150mm maximum either side of a horizontal joint line
- Nogs are not required behind horizontal joints except in shower situations or specific fire or noise control systems

FASTENERS

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

FASTENER CENTRES

- 300mm centres to top and bottom plates and to perimeter studs
- Single fasteners to each stud where the horizontal joint crosses the studs

GIB TILED WALLS – TIMBER FRAMING

TIMBER WALL FRAMING

Framing dimensions and spacing must be appropriate for the weight and height of the requirements of NZS 3604:2011 Timber Framed Buildings, or relevant specific design Standard.

NOGS

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

- Adjacent to each pipe penetration and behind sink and tub flashings
- Between all studs above bath, fings and performed shower bases

CORNER REINFORCING

- Prior to lining in tiled areas (shower cubicles and shower over bath only) the internal corners shall be reinforced with a minimum:
- 32 x 32 x 0.55mm NZ18 or 45 x 45 x 0.55mm GIB® Angle. Angles need to be temporarily held in place until secured by the lining fixings.

FASTENERS

- Minimum 32mm x 6g GIB® Grabber® High Thread Screws

FASTENER CENTRES

- 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 sheet ends

TIMBER WALL FRAMING

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

Where relevant, fastener lengths must comply with the requirements of GIB® Fire Rated Systems or GIB® Noise Control Systems

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

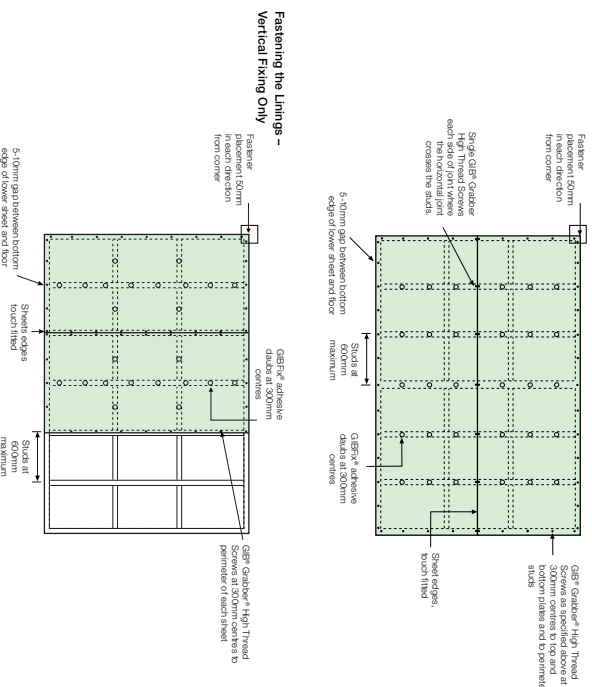
LINING AND TILE WEIGHTS

- Use minimum 10mm GIB® plasterboard
- For maximum permitted tile weights refer to pg 16 of this manual
- GIB® Wet Area linings may be fixed vertically or horizontally
- Sheets are touch fitted
- Provide a 5-10mm gap at the wall/floor junction and between the bottom edge of the lining and any bath rim or preformed shower base to allow for placement of sealant
- Do not tie on the resilient side of GIB® Rall® or STWC Acoustic Clp (ST001) and channel noise control system
- GIB® Wet Area linings are suitable for tiling full height of walls, but if a wall is to be partially tiled (eg. half high), only the area of wall under the tiles needs to be fixed as required for tiled areas. The remainder of the wall may be fixed as for non-tiled areas

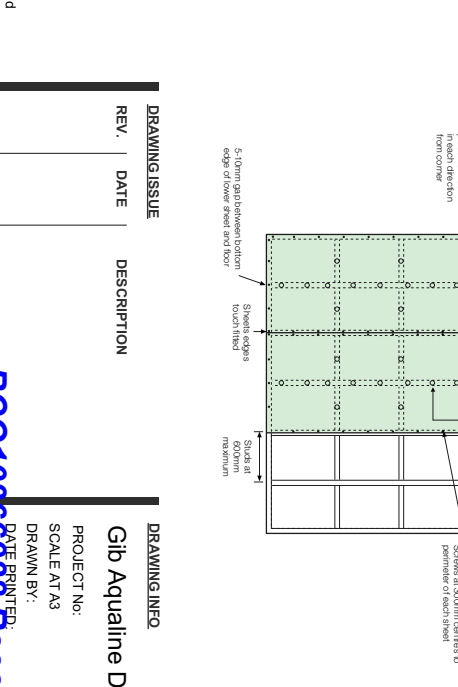
JOINTING

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

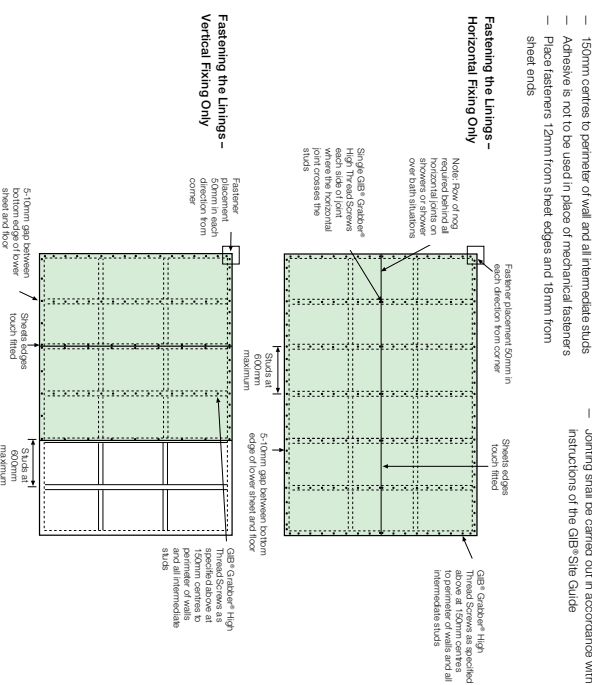
Fastening the Linings – Horizontal Fixing Only



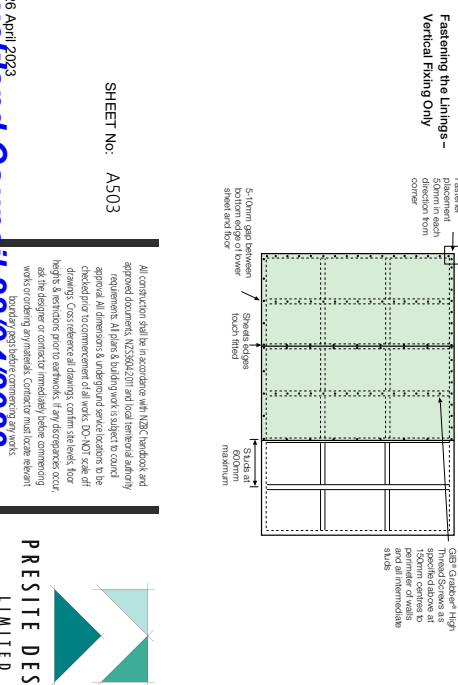
Fastening the Linings – Vertical Fixing Only



Fastening the Linings – Horizontal Fixing Only



Fastening the Linings – Vertical Fixing Only



PROJECT	23 Te Rapa Blvd Paerata
PROPOSED DWELLING	Paerata

DRAWING ISSUE	REV.	DATE	DESCRIPTION

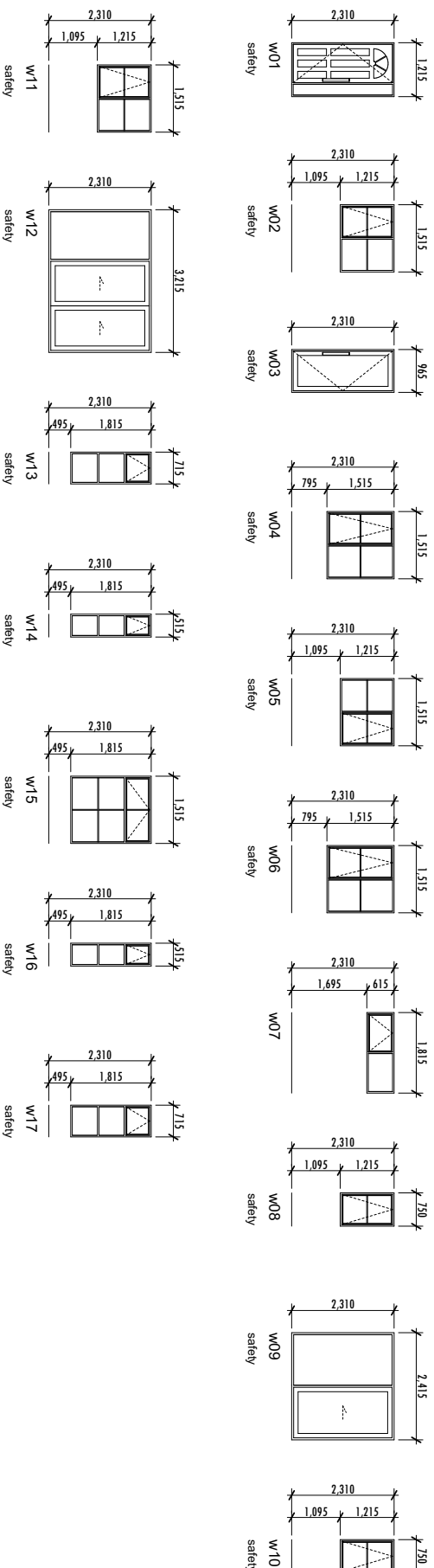
DRAWING INFO	Gib Aqualine Details
PROJECT No:	22-017
SCALE AT A3	as shown
DRAWN BY:	RM

DRAWING INFO	SHEET NO: A503
DATE PRINTED	Wednesday 26 April 2023
BCO10366938 Received by Auckland Council	28/04/2023

All construction shall be in accordance with NZBC handbook and approved documents, NZS900:2011 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & setbacks prior to site works. If any discrepancies occur, ask the designer or contractor immediately before commencing work or during any pre-work. Contractor must issue relevant notices to the relevant parties.



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Window / Door Schedule

1:100

Internal Door Schedule

1:100

PROJECT

PROPOSED DWELLING

23 Te Rapa Blvd
Paerata
23 Te Rapa Blvd Paerata Auckland

DRAWING ISSUE

REV. DATE DESCRIPTION

DRAWING INFO

Door & Window Schedule

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

SHEET No: A601

DATE PRINTED

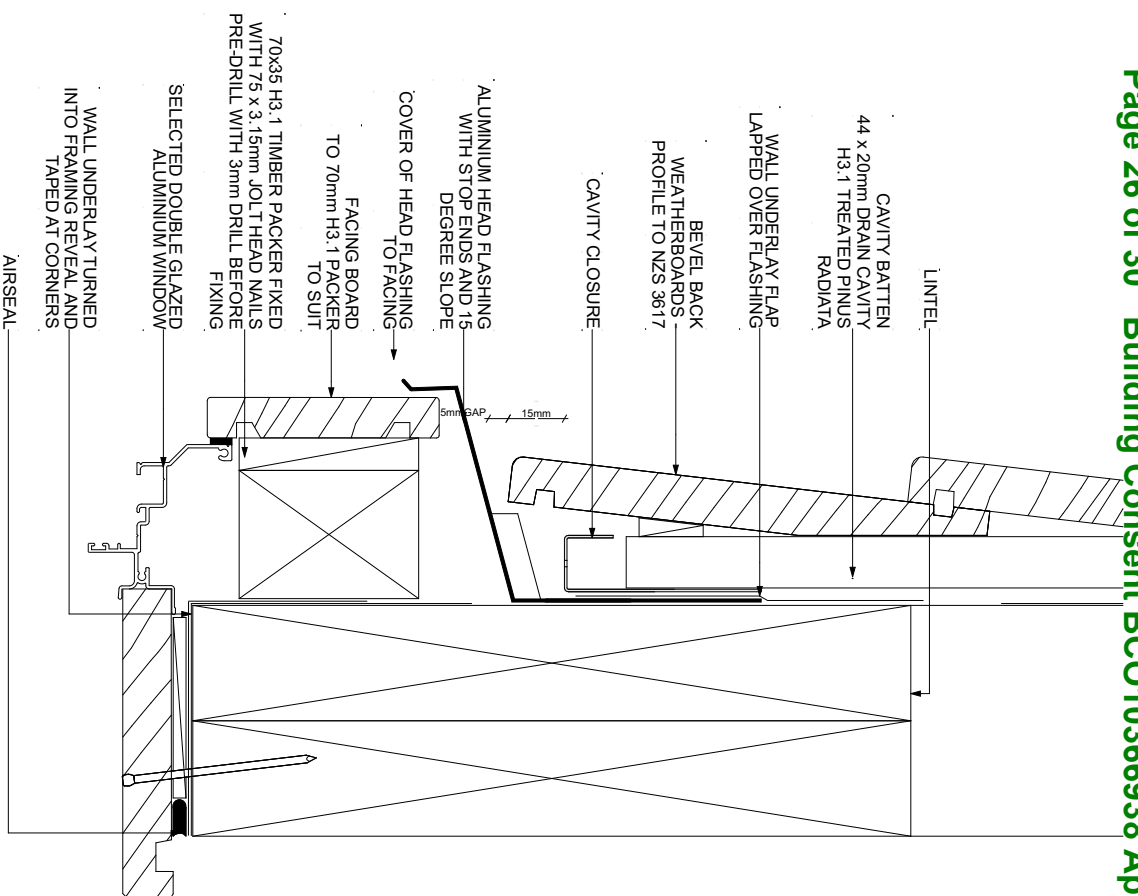
Wednesday 26 April 2023

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BCO10366938 Received by Auckland Council 28/04/2023

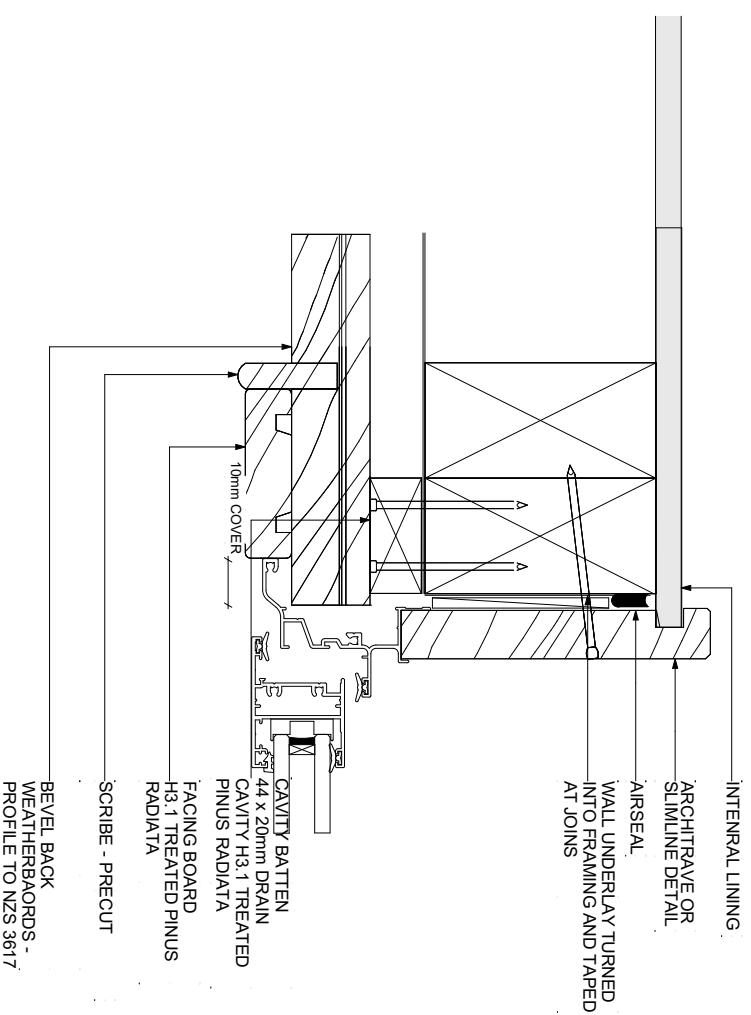


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wb1 Window Head - Option A

1:2



wb2 Window Jamb

1:2

PROJECT	DRAWING ISSUE
PROPOSED DWELLING	REV. DATE DESCRIPTION

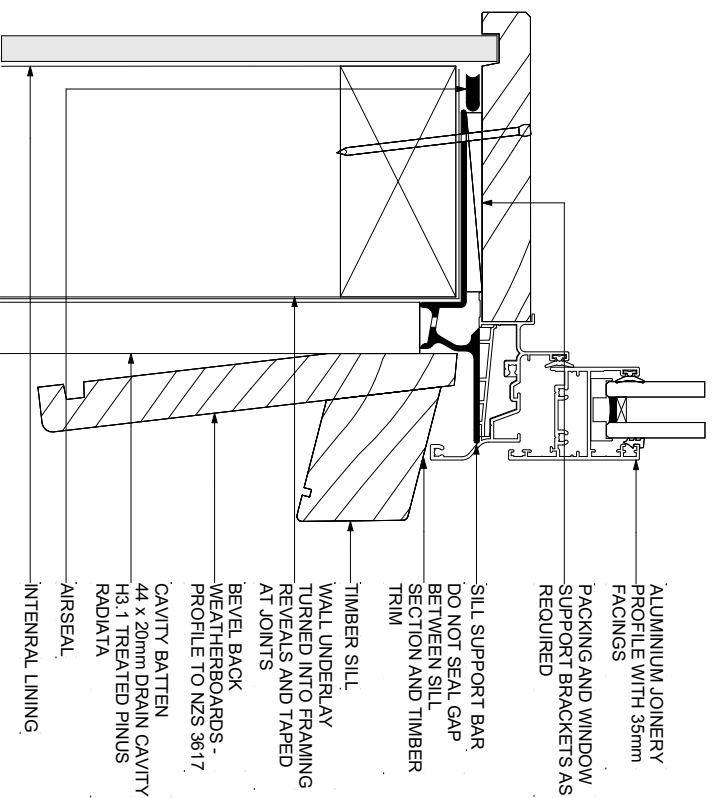
DRAWING INFO
<p>Cladding Details</p> <p>PROJECT No: 22-017</p> <p>SCALE AT A3 as shown</p> <p>DRAWN BY: RM</p> <p>DATE PRINTED: Wednesday 26 April 2023</p>

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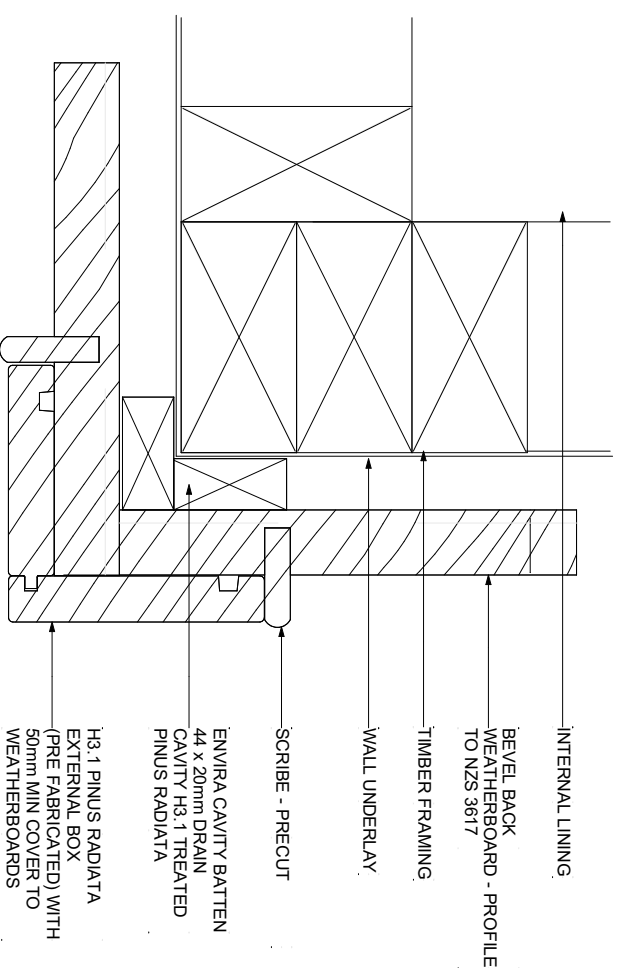
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wb3 Window Sill support Bar 1:2



wb4 External Corner 1:2

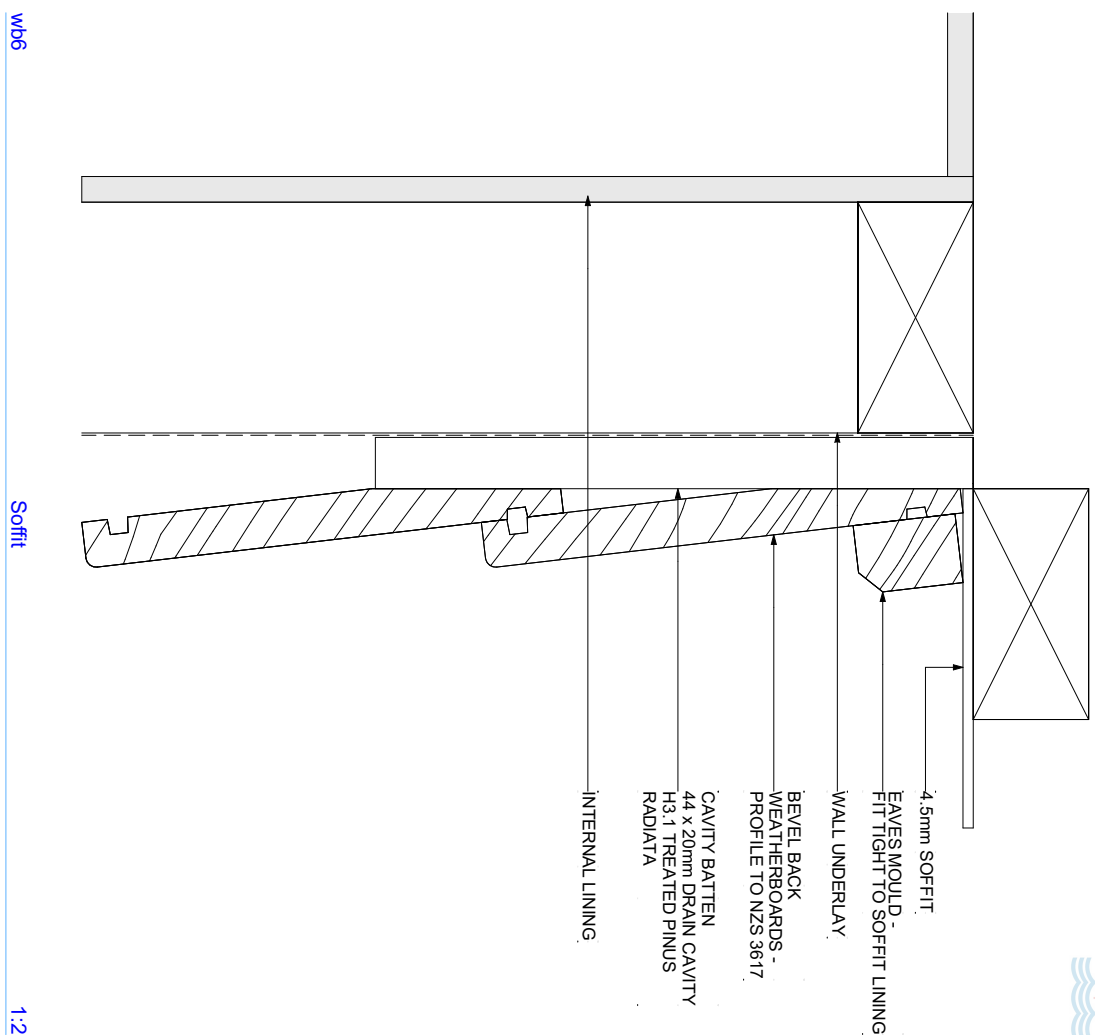
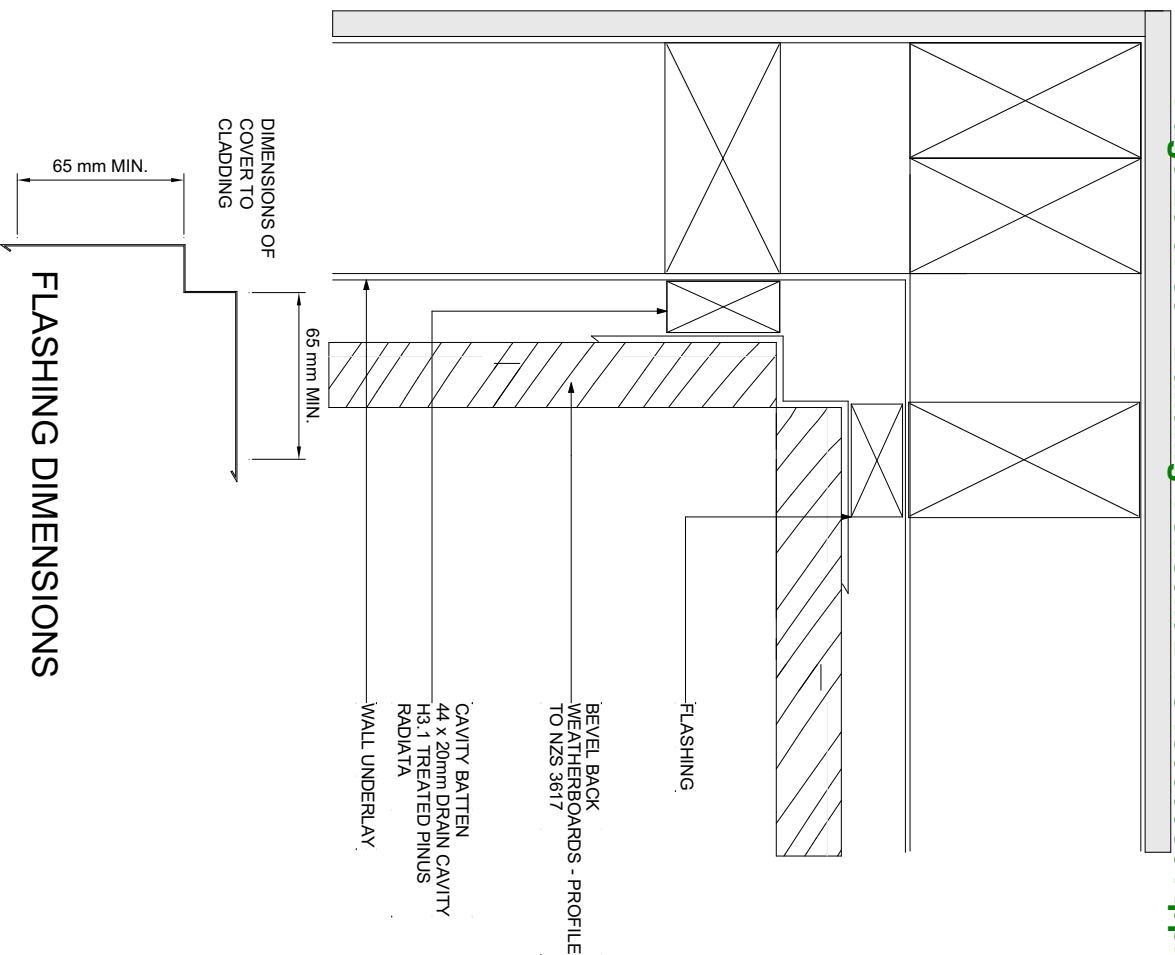
PROJECT	DRAWING ISSUE	DESCRIPTION
PROPOSED DWELLING	REV.	DATE
23 Te Rapa Blvd Paerata		
23 Te Rapa Blvd Paerata Auckland		

DRAWING INFO	DATE PRINTED	SHEET No.
Cladding Details	22.017	A702
PROJECT No:	as shown	
SCALE AT A3	RM	
DRAWN BY:		

All contractor shall be in accordance with NZS2, handbook and approved documents, NZS904:2011 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, four heights & setbacks prior to services. If any discrepancies occur, ask the designer or contractor immediately before commencing work or ordering materials. Contractor must issue relevant notices prior to commencing work.



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wb5

Internal Corner

1:2

wb6

Soffit

1:2

PROJECT	
PROPOSED DWELLING	
23 Te Rapa Blvd Paerata	
23 Te Rapa Blvd Paerata Auckland	

DRAWING ISSUE		
REV.	DATE	DESCRIPTION

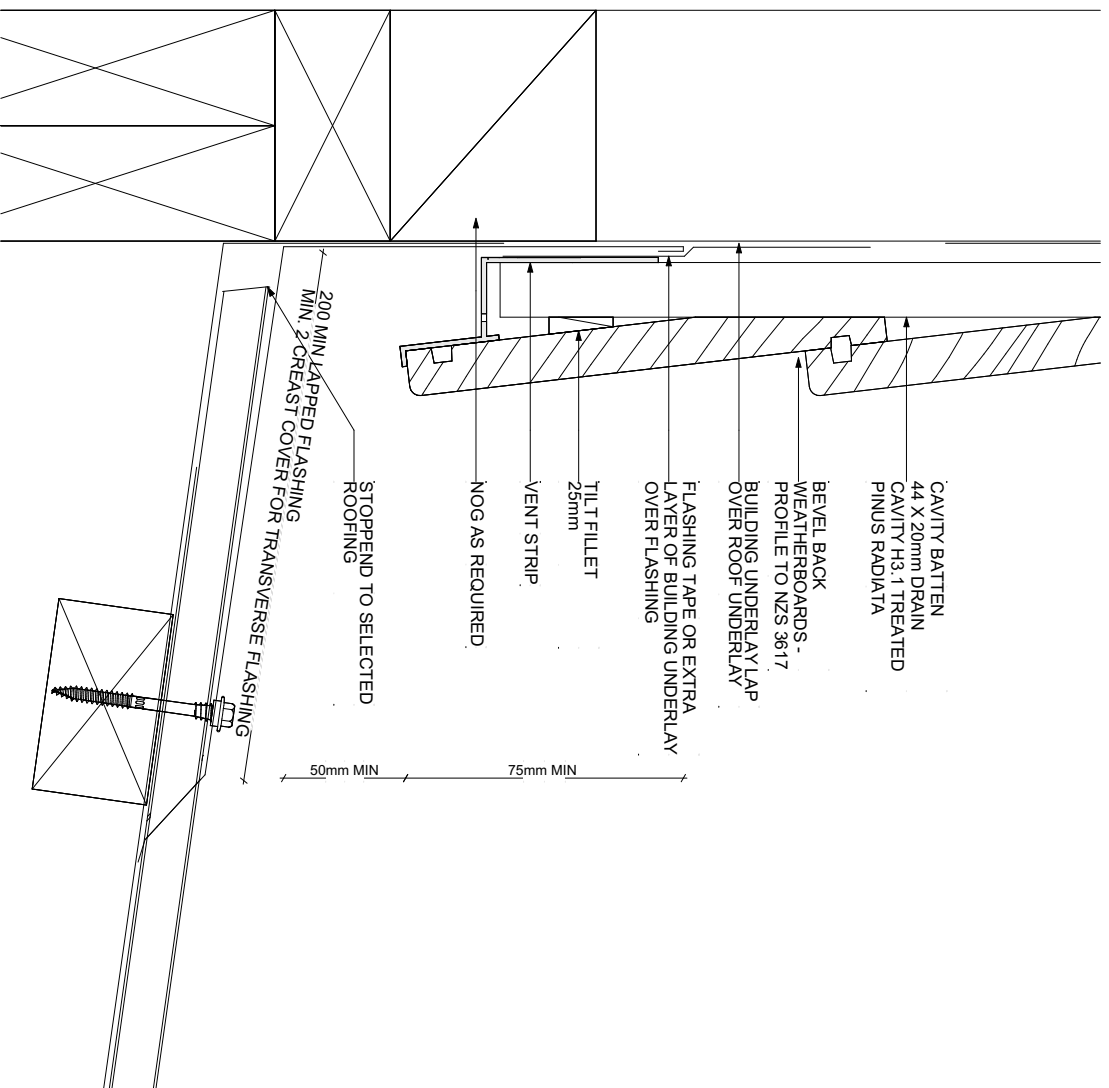
DRAWING INFO	
Cladding Details	
PROJECT No:	22-017
SCALE AT A3	as shown
DRAWN BY:	RM
DATE PRINTED	Wednesday 26 April 2023
SHEET No:	A703

All contractor shall be in accordance with NZBC handbook and approved documents, NZS900.01 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, four heights & setbacks prior to earthworks. If any discrepancies occur, ask the designer or contractor immediately before commencing work or ordering materials. Contractor must locate relevant boundary posts and/or survey markers prior to any work.



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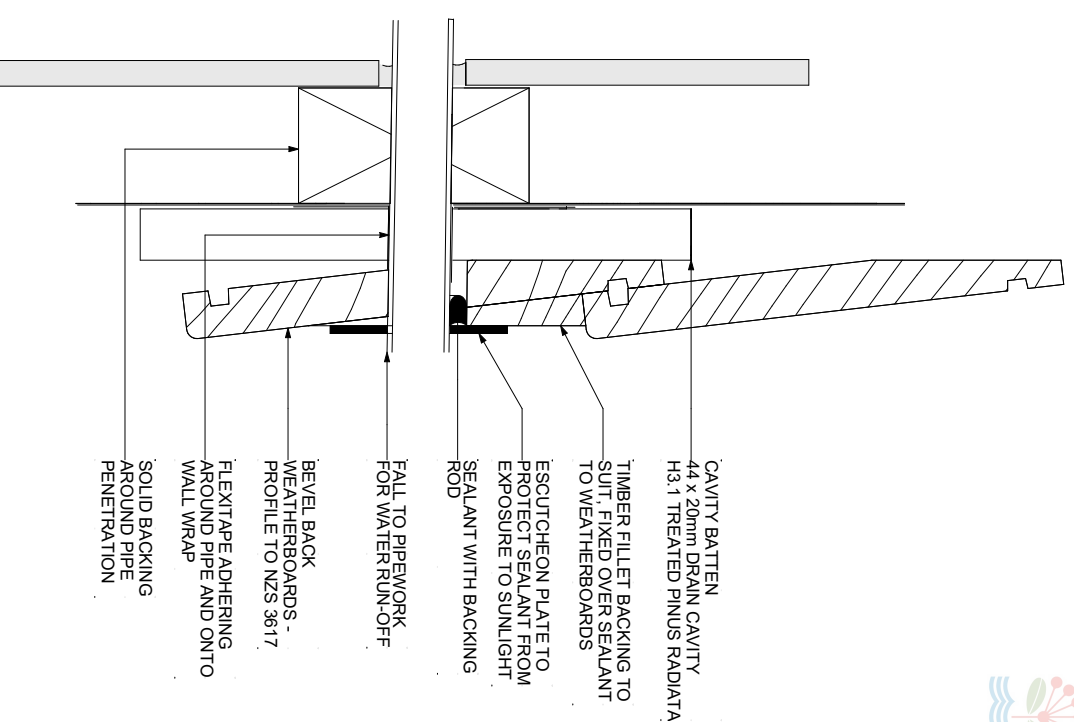
BCO10366938 Received by Auckland Council 28/04/2023



wb7

Fix Apron

1:2



Pipe Penetration

1:2

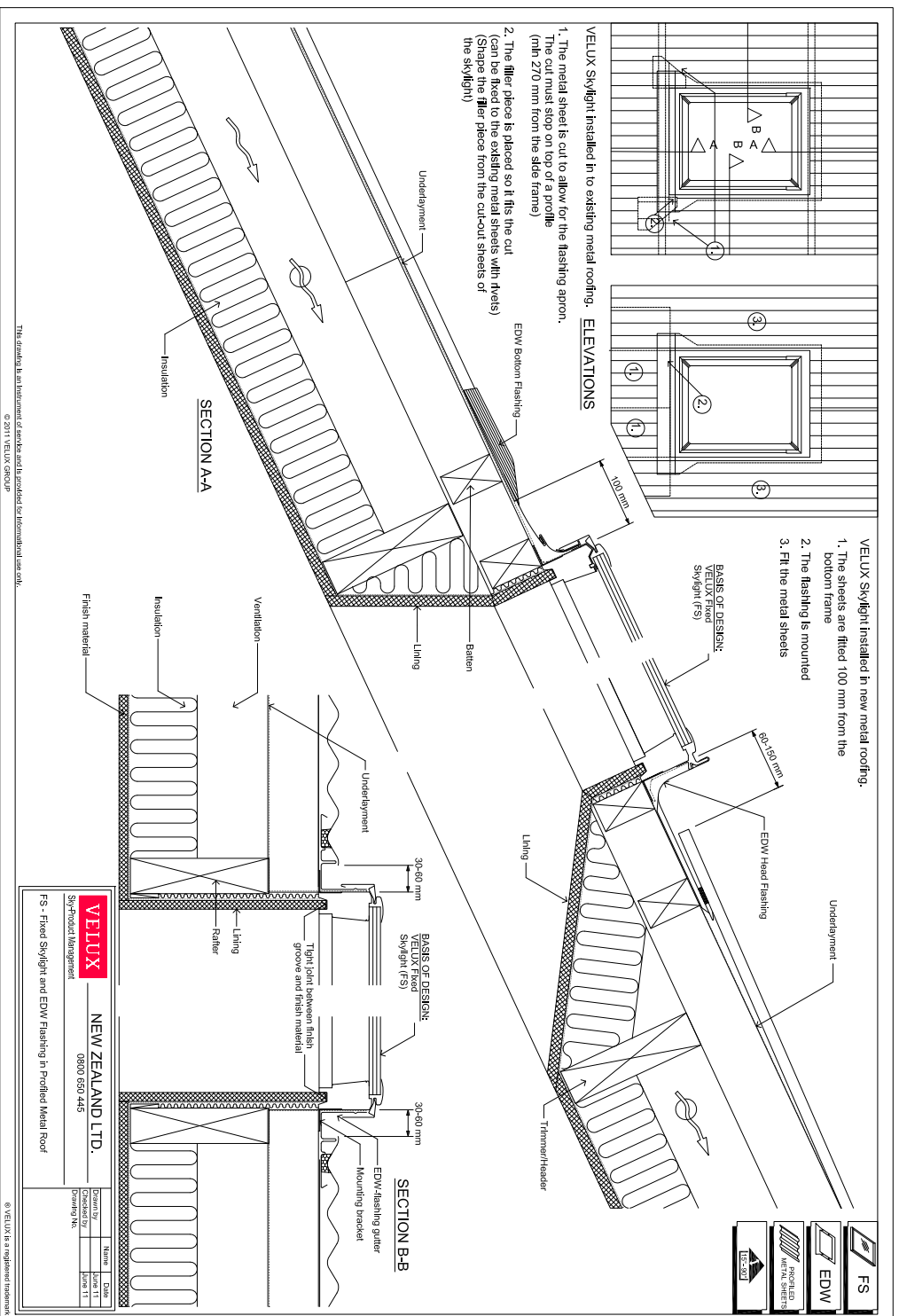
PROJECT	DRAWING ISSUE
PROPOSED DWELLING	REV.
23 Te Rapa Blvd	DATE
Paerata	DESCRIPTION
23 Te Rapa Blvd Paerata Auckland	

DRAWING INFO	SHEET No.
Cladding Detail	A704
PROJECT No:	22-017
SCALE AT A3	as shown
DRAWN BY:	RM
DATE PRINTED	Wednesday 26 April 2023

All contractor shall be in accordance with NZBC handbook and approved documents, NZS909:2011 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, floor heights & setbacks prior to services. If any discrepancies occur, ask the designer or contractor immediately before commencing work or ordering materials. Contractor must locate relevant resources prior to commencing work.



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FS - Fixed Skylight and EDW flashing in Profiled Metal Roof

1:1

PROJECT	23 Te Rapa Blvd Paerata 23 Te Rapa Blvd Paerata Auckland
PROPOSED DWELLING	

DRAWING ISSUE	
REV.	
DATE	
DESCRIPTION	

DRAWING INFO	
Velux Details	
PROJECT No:	22-017
SCALE AT A3	as shown
DRAWN BY:	RM
SHEET No:	A705

All contractor shall be in accordance with NZBC, handbook and approved documents, NZS9002:01 and local territorial authority requirements. All plans & building work is subject to council approval. All dimensions & underground service locations to be checked prior to commencement of all work. DO NOT scale off drawings. Cross reference all drawings, confirm site levels, four heights & setbacks prior to services. If any discrepancies occur, ask the designer or contractor immediately before commencing work or ordering materials. Contractor must locate relevant services prior to any excavation or trenching work.



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STRUCTURAL DRAWINGS FOR PROPOSED NEW DWELLING 23 TE RATA BOULEVARD PUKEKOHE

KOPi ENGINEERING LIMITED
FOR SPECIFIC EVENTS IS RELEVANT TO OUR
CALCULATION AND PRODUCER STATEMENT
P31 DESIGN ON THIS DRAWING ONLY

FOR BUILDING CONSENT
APPLICATION ONLY

03.2023	-	FOR CONSENT ONLY	
DATE	REV	REVISION	

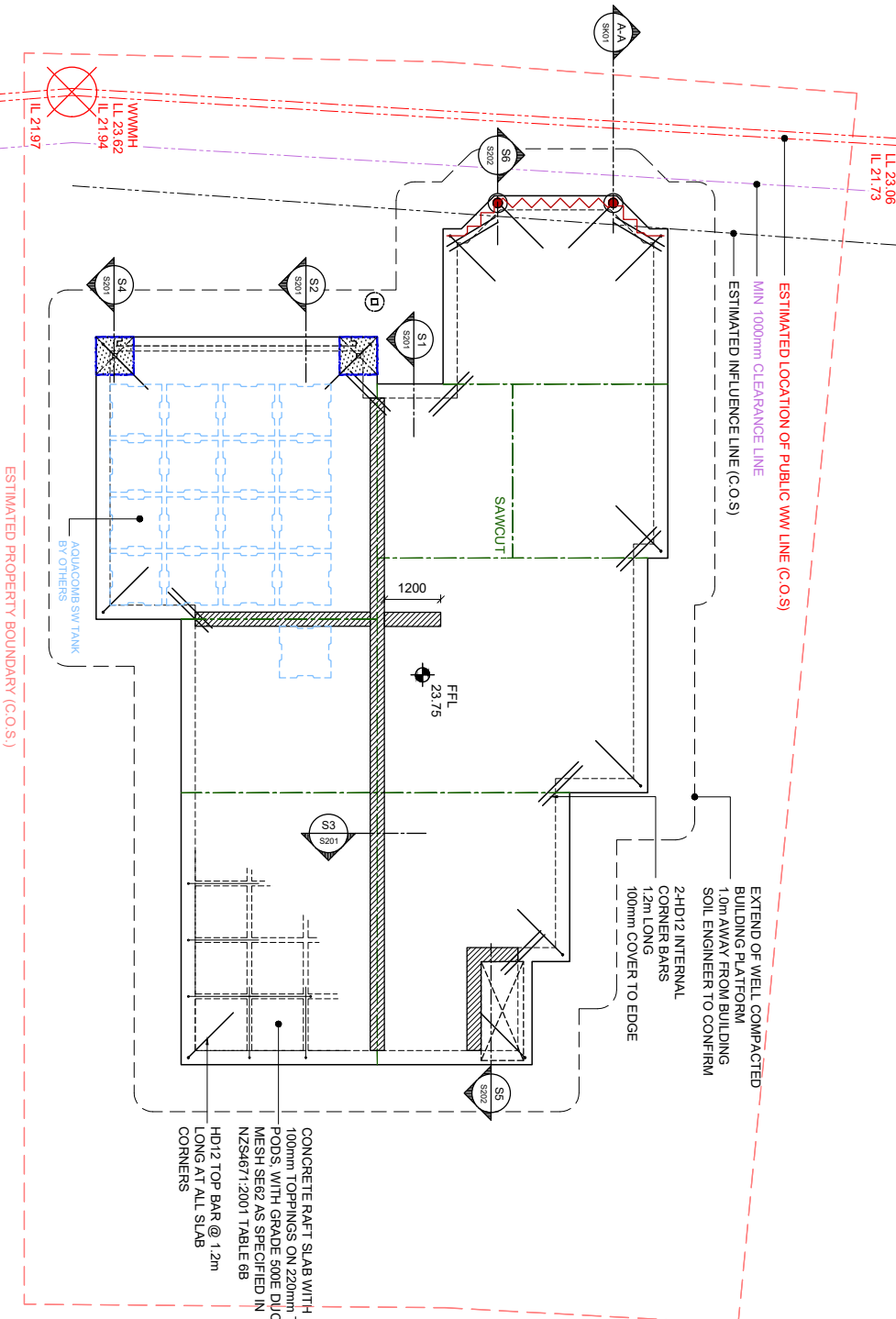
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PROPOSED NEW DWELLING
23 TE RATA BOULEVARD
PUKEKOHE

COVER SHEET

DESIGNED	IF	APPROVED	SC
CHECKED	NH	DRAWN	IF
JOB NO.	12102	SHEET	G00
REV	-		

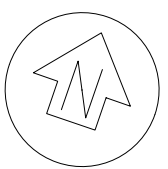
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- KEY:**
- INTERNAL SLAB THICKENING
 - 320mm THICK, 300mm WIDE
 - STANDARD FOUNDATION PILE
 - 125x125 SQ PILE IN Ø400mm CONCRETE
 - 1.2m DEEP BELOW CGL (U.N.O.)
 - 800 x 800 x 320 THK CONCRETE IN-SLAB PAD
 - 4-HD12 EW
 - Ø400 CONCRETE PILE
 - MIN 2.0m DEEP (U.N.O.)
 - BRIDGING EDGE BEAM
 - 300mm WIDE, 320mm THICK
 - 4-HD12 BARS WITH R6 @ 150mm c/c

IMPORTANT NOTE FOR RAFT SLAB FOUNDATION:

- BUILDING PLATFORM TO HAVE MINIMUM ULTIMATE BEARING CAPACITY OF 300kPa. CLASS IV SOIL AS PER SOIL REPORT BY ENGED LTD (REF:#12914.000.002), DATED 06/2022. SOIL ENGINEER TO CONFIRM.
- DESIGN ASSUMED NO LOCAL AND/OR GLOBAL LAND STABILITY ISSUES ON SITE. SOIL ENGINEER TO CONFIRM.
- CONTRACTOR TO CONFIRM EXACT LOCATION OF UNDERGROUND SERVICES PRIOR TO EXCAVATION.
- CONTRACTOR TO ENSURE ALL PLUMBING & DRAINAGE WORK SHALL BE CARRIED OUT AWAY FROM BUILDING PLATFORM, AND MUST NOT COMPROMISE THE STRUCTURAL INTEGRITY OF THE FOUNDATION & BUILDING PLATFORM.



- W/FILE 30105/05/2023**
- DRAWING TO BE READ IN CONJUNCTION WITH GENERAL NOTES (SHEET 001), ARCHITECTURAL PLANS, SPECIFICATIONS, AND ENGINEERING CALCULATION.
 - ALL CONSTRUCTION TO COMPLY WITH NZS 3804, NZS 4299 AND / OR SPECIFIC ENGINEERING DESIGN.
 - PROPRIETARY PRODUCTS TO COMPLY WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
 - REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS. DIMENSIONS SHOWN IF ANY ARE INDICATIVE ONLY.
 - 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 DETAILS.
 - BUILDING PLATFORM TO HAVE MINIMUM BEARING CAPACITY OF 300kPa. CONTRACTOR TO CONDUCT TESTS AND CONFIRM. SEEK ENGINEER APPROVAL IF IN DOUBT.
 - ALL FILL ON OR WITHIN 2.5m OF THE BUILDING PLATFORM SHALL BE CONSTRUCTED IN ACCORDANCE WITH NZS 4431:1989.
 - SUPPLEMENTARY REINFORCING BARS TO BE PLACED AT EACH INTERNAL CORNERS, 2-HD/12, 1.2m LONG.
 - CONCRETE SLAB TO BE MIN. 100mm THICK WITH GRADE 500E DUCTILE MESH (S62 OR EQV.) ON POLY POD. ON DPC. ON GAP 7 BLINDING. ON COMPACTED HARDFILL.
 - PROVIDE SAW CUTS (60mm DEEP) IN CONCRETE SLAB IN ACCORDANCE WITH NZS 3804.
 - ALL REINFORCING BARS AND STEEL MESH REINFORCING SHALL CONFORM TO NZS 4871:2001. LAP AND SPLICE IN ACCORDANCE WITH NZS REQUIREMENT.
 - PROVIDE CONTROL JOINTS TO BLOCKWORK (AT 6m ORS MAX) IN ACCORDANCE WITH RELEVANT NZ MASONRY STANDARDS. WORK TO BE SUPERVISED BY REGISTERED MASON.
 - COMPACTED AND LEVELED BUILDING PLATFORM TO EXTEND MIN 1000mm PAST BUILDING ENVELOPE FAILURE TO DO SO WOULD COMPROMISE THE CONSTRUCTION PROCESS.
 - CONTRACTOR TO ENSURE ALL PUMPING, DRAINAGE WORK & STORMWATER MANAGEMENT DEVICES ETC. SHALL BE CARRIED OUT AWAY FROM BUILDING PLATFORM, AND MUST NOT COMPROMISE THE STRUCTURAL INTEGRITY OF THE FOUNDATION & PLATFORM.
 - CONCRETE STRENGTH TO HAVE MIN. 20 MPa IN 28 DAYS (OR 25 MPa FOR SEA SPRAY ZONES), WITH 80mm SLUMP AND 13mm NOMINAL AGGREGATE SIZE.
 - REPORT TO ENGINEER IMMEDIATELY IF ANY DISCREPANCY FOUND OR IN DOUBT, RE-DESIGN MAY BE NEEDED.

FOR BUILDING CONSENT APPLICATION ONLY

DATE	REV	REVISION
03.2023	-	FOR CONSENT ONLY

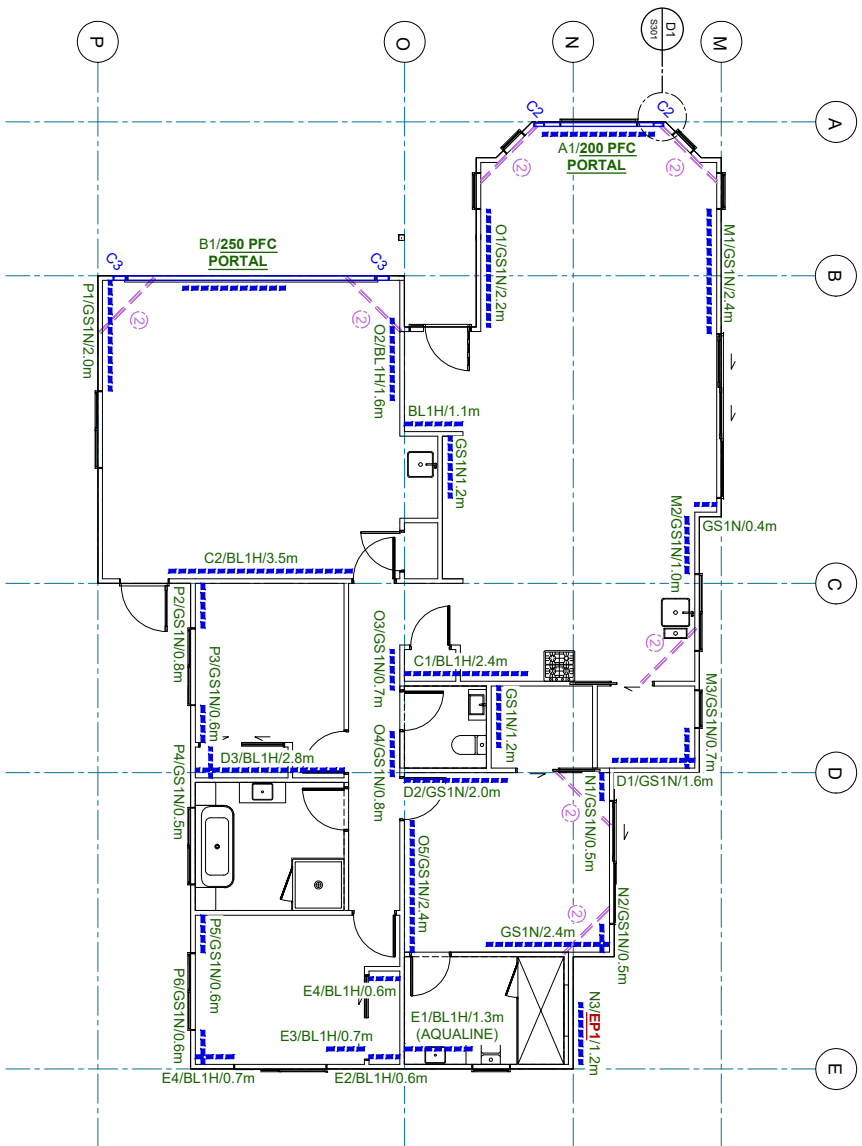
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PROPOSED NEW DWELLING
23 TE RATA BOULEVARD
PUKEKOHE

FOUNDATION LAYOUT

DESIGNED	IF	APPROVED	SC
CHECKED	NH	DRAWN	IF
JOB NO.	12102	SHEET	S101
REV	-	SCALE	1:100 (A3)

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GROUND FLOOR BRACING LAYOUT

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 SCHEDULE:

LABEL	SIZE	SUPPORT
A1	200 PFC PORTAL	C2
B1	250 PFC PORTAL	C3
C2	200 PFC PORTAL LEG	
C3	250 PFC PORTAL LEG	

BRACING DESIGN:

1. WIND ZONE = HIGH
2. ROOFING = LIGHT
3. CLADDING = LIGHT
4. EO ZONE = 1
5. SUBSOIL CLASS = C (SHALLOW)

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KOPI ENGINEERING
 PROPOSED NEW DWELLING
 23 TE RATIA BOULEVARD
 PUKEKOHE

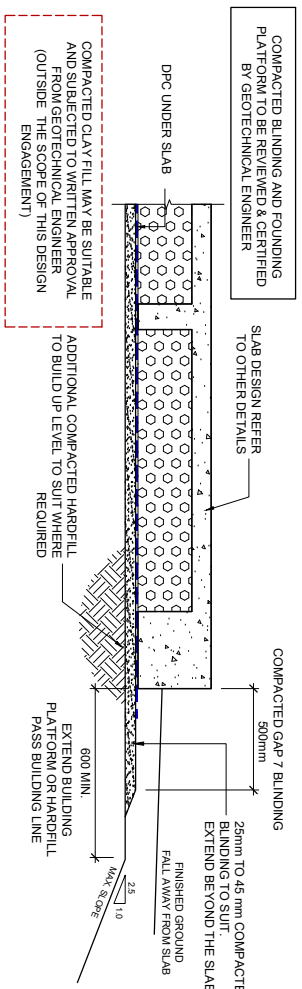
BRACING LAYOUT

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JOB NO.	12102	SHEET	S102
REV	-	SCALE	1:100 (A3)

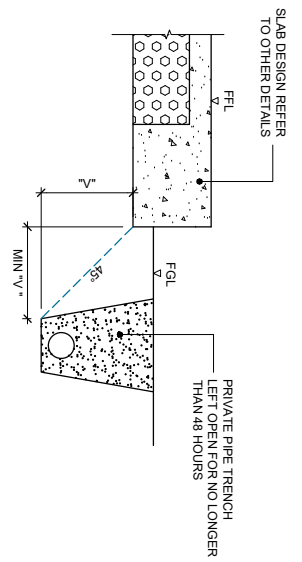
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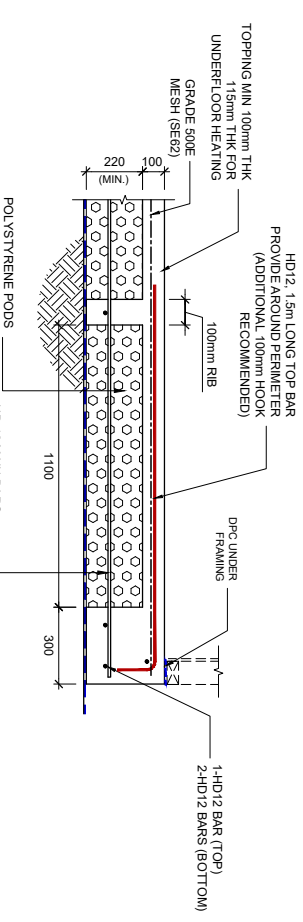
1. REFER TO ARCHITECT'S DRAWING FOR ALL LAYOUT DIMENSIONS, REBATES AND SERVICES.
2. WALL BRACING TO BE READ IN CONJUNCTION WITH WALL BRACING CALCULATIONS.
3. WALLS BRACING ELEMENTS, FINISH CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH NZS 3604:2011, NZS 4229:1999 AND MANUFACTURERS REQUIREMENTS.
4. PROPRIETARY TIEBARS TO COMPLY WITH MANUFACTURERS' SPECIFICATIONS. IN THIS CASE, GIB EZBRACE SYSTEM AND/OR CHH ECOPY SYSTEM.
5. INSTALL SINGLE-SIDED BRACING PANELS AS INDICATED ON PLAN.
6. SHOULD ACTUAL CONSTRUCTION WORK PREVENTS THE INSTALLATION IN ACCORDANCE TO MANUFACTURERS SPECIFICATION, REFER TO DESIGNER FOR SPECIFIC INSTALLATION DETAILS AND / OR RE-ASSESSMENT.
7. BRACELINE HOLD-DOWN, GIB HANDBRAC@ AND A CONCRETE ANCHOR WITH A MINIMUM CHARACTERISTIC UPLIFT CAPACITY OF 19kN AT EACH END OF THE BRACING ELEMENT, OR METAL WRAP AROUND STRAP AND A CONCRETE ANCHOR WITH A MINIMUM CHARACTERISTIC UPLIFT CAPACITY OF 16kN FITTED WITH A 50x60x3MM SQUARE WASHER WITHIN 80MM OF EACH END OF THE BRACING ELEMENT.
8. BRACELINE SHEETS ARE STANDARD 10mm THICK.
9. STRUCTURAL CEILING DIAPHRAGM CONSTRUCTION SHALL COMPLY WITH CLAUSE 13.5 OF NZS3604:2011, AS WELL AS RECOMMENDATIONS FOR GIB CEILING DIAPHRAGM WALLING SCHEDULE.



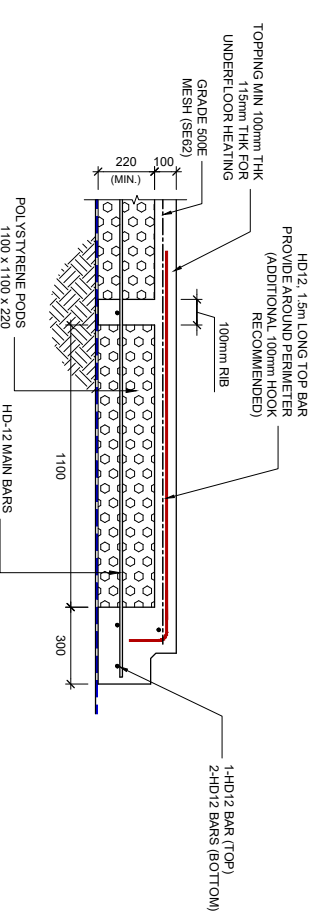
TYPICAL WAFFLE RAFT FOUNDATION PLATFORM DETAILS
SCALE 1:20 (A3)



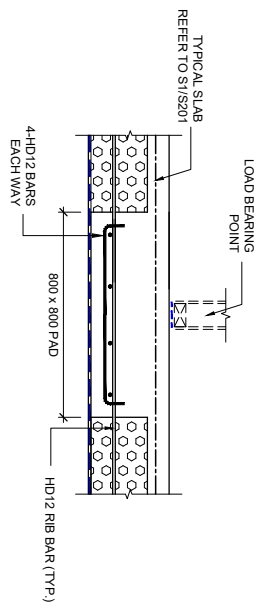
TYPICAL PIPE TRENCH TO BUILDING FOUNDATION
SCALE 1:20 (A3)
[ADOPTED FROM E1/A1 FIGURE 14]



S1 STANDARD WAFFLE RAFT FOUNDATION
SCALE 1:20 (A3)



S2 STANDARD WAFFLE RAFT FOUNDATION
SCALE 1:20 (A3)
[WITH GARAGE REBATE]



S3 INTERNAL BEAM
SCALE 1:20 (A3)

S4 IN SLAB PAD FOOTING
SCALE 1:20 (A3)

30/10/2023

- WAFFLE SLAB**
- DRAWING TO BE READ IN CONJUNCTION WITH GENERAL NOTES (SHEET 001), ARCHITECTURAL PLANS, SPECIFICATIONS AND ENGINEERING CALCULATION.
 - ALL CONSTRUCTION TO COMPLY WITH NZS 3804, NZS 4299 AND / OR SPECIFIC ENGINEERING DESIGN.
 - PREPARE ANY PRODUCTS TO COMPLY WITH MANUFACTURERS SPECIFICATIONS AND REQUIREMENTS.
 - REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS.
 - DIMENSIONS SHOWN IF ANY ARE INDICATIVE ONLY.
 - 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 DETAILS.
 - BUILDING PLATFORM TO HAVE MINIMUM BEARING CAPACITY OF 300 kPa. CONTRACTOR TO CONDUCT TESTS AND CONFIRM. SEEK ENGINEER APPROVAL IF IN DOUBT.
 - ALL FILL ON OR WITHIN 2.5m OF THE BUILDING PLATFORM SHALL BE COMPACTED IN ACCORDANCE WITH NZS 4431:1989.
 - SUPPLEMENTARY REINFORCING BARS TO BE PLACED AT EACH INTERNAL CORNERS, 2-HD12, 1.2m LONG.
 - CONCRETE SLAB TO BE MIN. 100mm THICK WITH GRADE 500E DUCTILE MESH (SEB2 OR EQV.) ON POLY POD. ON DPC. ON GAP 7 BLINDING. ON COMPACTED HARDFILL.
 - PROVIDE SAW CUTS (60mm DEEP) IN CONCRETE SLAB IN ACCORDANCE WITH NZS 3804.
 - ALL REINFORCING BARS AND STEEL MESH REINFORCING SHALL CONFORM TO NZS 4871:2001. LAP AND SPLICE IN ACCORDANCE WITH NZS REQUIREMENT.
 - PROVIDE CONTROL JOINTS TO BLOCKWORK (AT 6m CRIS MAX) IN ACCORDANCE WITH RELEVANT NZ MASONRY STANDARDS. WORK TO BE SUPERVISED BY REGISTERED MASON.
 - COMPACTED AND LEVELED BUILDING PLATFORM TO EXTEND MIN 1000 mm PASS BUILDING ENVELOPE FAILURE TO DO SO WOULD COMPROMISE THE CONSTRUCTION PROCESS.
 - CONTRACTOR TO ENSURE ALL PLUMBING, DRAINAGE WORK & STORAGE/TREATMENT MANAGEMENT DEVICES ETC. SHALL BE CARRIED OUT AWAY FROM BUILDING PLATFORM, AND MUST NOT COMPROMISE THE STRUCTURAL INTEGRITY OF THE FOUNDATION & PLATFORM.
 - CONCRETE STRENGTH TO HAVE MIN. 20 MPa IN 28 DAYS (OR 25 MPa FOR SEA SPRAY ZONES) WITH 80mm SLUMP AND 13mm NOMINAL AGGREGATE SIZE.
 - REPORT TO ENGINEER IMMEDIATELY IF ANY DISCREPANCY FOUND OR IN DOUBT, RE-DESIGN MAY BE NEEDED.

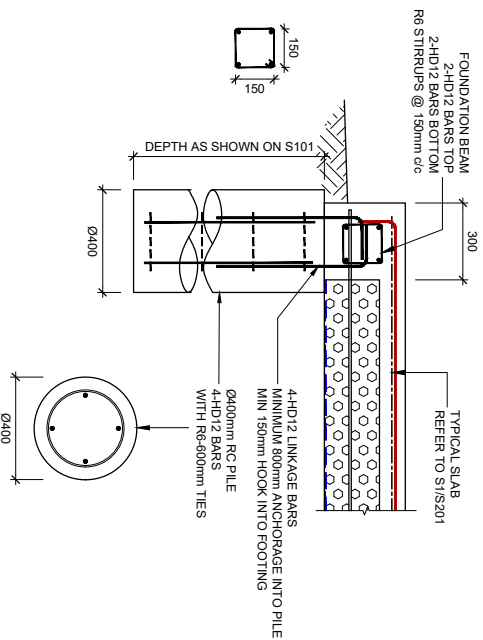
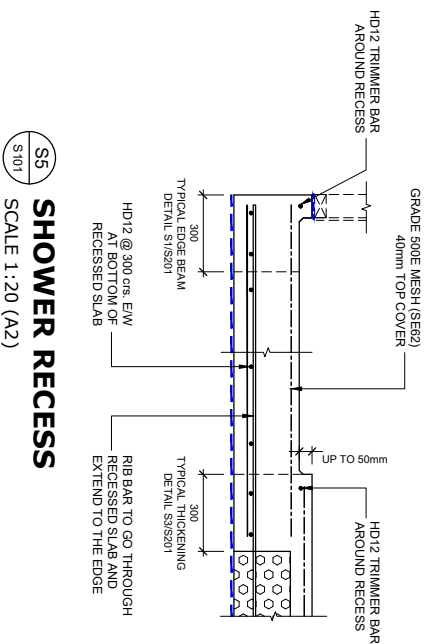
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KOPI ENGINEERING

PROPOSED NEW DWELLING
23 TE RATA BOULEVARD
PUKEKOHE

FOUNDATION DETAILS 1



WAFLE S10105/10223

- DRAWING TO BE READ IN CONJUNCTION WITH GENERAL NOTES (SHEET G01), ARCHITECTURAL PLANS, SPECIFICATIONS, AND ENGINEERING CALCULATION.
- ALL CONSTRUCTION TO COMPLY WITH NZS 3804, NZS 4239 AND / OR SPECIFIC ENGINEERING DESIGN.
- PROPRIETARY PRODUCTS TO COMPLY WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
- REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS.
- DIMENSIONS SHOWN IF ANY ARE INDICATIVE ONLY.
- 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 DETAILS.
- BUILDING PLATFORM TO HAVE MINIMUM BEARING CAPACITY OF 300 kPa. CONTRACTOR TO CONDUCT TESTS AND CONFIRM. SEEK ENGINEER APPROVAL IF IN DOUBT.
- ALL FILL ON OR WITHIN 2.5m OF THE BUILDING PLATFORM SHALL BE CONSOLIDATED IN ACCORDANCE WITH NZS 4431:1989.
- SUPPLEMENTARY REINFORCING BARS TO BE PLACED AT EACH INTERVAL CORNERS, 2xHD12, 1.2m LONG.
- CONCRETE SLAB TO BE MIN. 100mm THICK WITH GRADE 500E DUCTILE MESH (500E OR EQV.) ON POLY. FOD. ON DPC. ON GAP 7 BLINDING, ON COMPACTED HARDFILL.
- PROVIDE SAW CUTS (60mm DEEP) IN CONCRETE SLAB IN ACCORDANCE WITH NZS 3804.
- ALL REINFORCING BARS AND STEEL MESH REINFORCING SHALL CONFORM TO NZS 4871:2001. LAP AND SPLICE IN ACCORDANCE WITH NZS REQUIREMENT.
- PROVIDE CONTROL JOINTS TO BLOCKWORK (AT 6m CRS MAX) IN ACCORDANCE WITH RELEVANT NZ MASONRY STANDARDS. WORK TO BE SUPERVISED BY REGISTERED MASON.
- COMPACTED AND LEVELED BUILDING PLATFORM TO EXTEND MIN 1000mm PAST BUILDING ENVELOPE. FAILURE TO DO SO WOULD COMPROMISE THE CONSTRUCTION PROCESS.
- CONTRACTOR TO ENSURE ALL PLUMBING, DRAINAGE WORK & STORMWATER MANAGEMENT DEVICES ETC SHALL BE CARRIED OUT AWAY FROM BUILDING PLATFORM, AND MUST NOT COMPROMISE THE STRUCTURAL INTEGRITY OF THE FOUNDATION & PLATFORM.
- CONCRETE STRENGTH TO HAVE MIN. 20 MPa IN 28 DAYS (OR 25 MPa FOR SEA SPRAY ZONES). WITH 80mm SLUMP AND 13mm NOMINAL AGGREGATE SIZE.
- REPORT TO ENGINEER IMMEDIATELY IF ANY DISCREPANCY FOUND OR IN DOUBT, REDESIGN MAY BE NEEDED.

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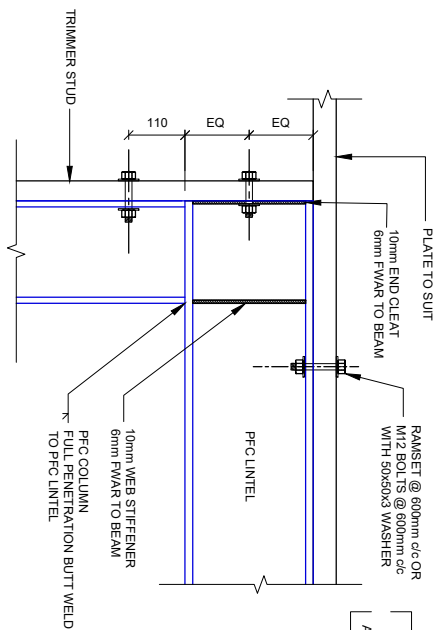
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PROPOSED NEW DWELLING
23 TE RATA BOULEVARD
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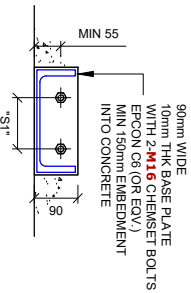
FOUNDATION DETAILS 2

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STEEL BEAM/ COLUMN WITH M12 BOLTS AND/OR SCREWS TO ADJACENT TIMBER FRAMING @ 600mm c/c



COLUMN SIZE	DISTANCE *S1*
C2: 200PFC	100
C3: 250PFC	100

D1 PFC PORTAL FRAME
S102 SCALE 1:10 (A2)

- IMPORTANT NOTES**
1. RECOMMENDED 9 mm WEB STIFFENER @ 2.0 m
 2. PRODUCE DETAIL FOR ALL STEEL BEAMS & LINTELS. BE PENETRATION CONSTRUCTIVE COATING SHALL BE PENETRATION CONSTRUCTIVE BETWEEN STEEL, TIMBER AND CONCRETE.

20/05/2023

- TIMBER CONNECTION WITH GENERAL NOTES**
1. DRAWING TO BE USED IN CONJUNCTION WITH GENERAL NOTES (SHEET 001), ARCHITECTURAL PLANS, SPECIFICATIONS, AND ENGINEERING CALCULATION.
 2. ALL CONSTRUCTION TO COMPLY WITH NZS 3804:2011 INCLUDING CLAUSE 2.4 (FASTENERS & FABRICATION), NZS 4223:1999 AND/OR SPECIFIC ENGINEERING DESIGN.
 3. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS.
 4. ALL TIMBER LINTELS, STUDS AND JOISTS TO BE GRADE 90B (STRUCTURAL GRADE).
 5. TIMBER TREATMENT GRADE AS PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 6. ALL BEAMS TO BE SUPPORTED ON MINIMUM 250x45 STUDS UNLESS NOTED OTHERWISE.
 7. ALL STUDS AND DOUBLE MEMBERS (LINTELS OR JOISTS) TO BE WELL-SPACED TOGETHER.
 8. ALL TIMBER POSTS TO BE STRAIGHT, DRY AND KNOT FREE.
 9. ALL STRUCTURAL STEEL TO BE MINIMUM GRADE 300.
 10. ALL OPENINGS WITHIN FLOOR JOISTS AND BEAMS TO BE IN ACCORDANCE WITH THE LIMITS OF NZS 3804 AND/OR MANUFACTURER'S SPECIFICATIONS.
 11. DIRECTION OF FLOOR JOISTS SPANAS SHOWN ON PLAN.
 12. PROVIDE BLOCKING BETWEEN JOISTS TO COMPLY WITH NZS3804. MAX SPACING BETWEEN BLOCKINGS TO BE 1.8m.
 13. SOLID BLOCKING TO BE INSTALLED OVER INTERNAL LOAD BEARING WALLS RUNNING NORMAL TO JOISTS AND ALONG THE LINE OF EACH WALL THAT CONTAINS A WALL BRACING ELEMENT.
- STRUCTURAL STEEL CONNECTION NOTES:**
1. DRAWING TO BE READ IN CONJUNCTION WITH GENERAL NOTES (SHEET 001), ARCHITECTURAL PLANS, SPECIFICATIONS, AND ENGINEERING CALCULATION.
 2. ALL CONSTRUCTION TO COMPLY WITH NZS 3804:2011 AND/OR SPECIFIC ENGINEERING DESIGN.
 3. CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS AND LEVELS ON SITE BEFORE COMMENCING FABRICATION.
 4. REFER TO ARCHITECTURAL PLANS FOR EXACT DIMENSIONS. DETAILS SHOWN MAY NOT BE TO SCALE, UNLESS SPECIFICALLY DIMENSIONED AS SHOWN.
 5. ALL STUDS AND MULTIPLE TIMBER MEMBERS TO BE WELL-SPACED TOGETHER.
 6. ALL STRUCTURAL STEEL TO BE MINIMUM GRADE 300. ALL PLATES AND CLEATS SHALL BE GRADE 250 UNCO.
 7. OPENINGS WITHIN STEEL MEMBERS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY ENGINEER IN WRITING.
 8. ALL BOLTS TO BE MINIMUM M12 GRADE 4.8/8 UNLESS INDICATED OTHERWISE.
 9. UNLESS SPECIFICALLY SHOWN OTHERWISE, ALL WELDS TO BE 6mm FILLET WELD (CATEGORY 'G'), WELDING TO BE IN ACCORDANCE WITH NZS 3404 AND AS/NZS 1554.

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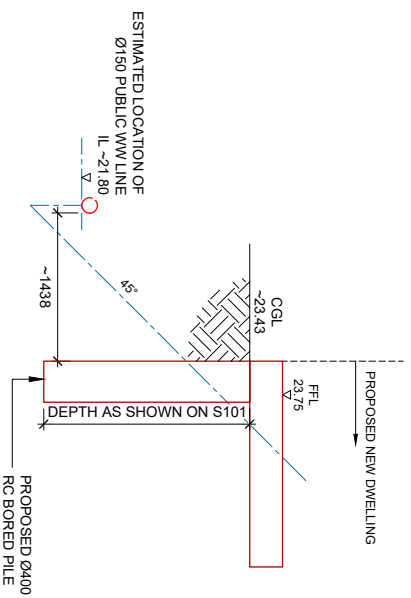
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CONNECTION DETAILS 1

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- IMPORTANT 20/05/2023**
- DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL PLANS AND SPECIFICATIONS.
 - CONTENTS SHOWN HEREIN ARE FOR WATERCARE APPROVAL ONLY. DESIGN IS NOT INTENDED FOR BUILDING CONSENT OR CONSTRUCTION PURPOSES.
 - DEPTH AND LOCATION OF ALL PUBLIC SERVICES MARKED ARE ADOPTED FROM ARCHITECTURAL SITE PLAN. THESE INFORMATION SHALL BE CONFIRMED ON SITE BEFORE COMMENCING ANY WORK.
 - DESIGN FOR FOUNDATION SLAB, BRIDGING BEAM AND PILES SHALL BE COMPLETED DURING BUILDING CONSENT STAGE.
 - FOUNDATION DESIGN MAY BE AMENDED DURING CONSENT PROCESS.
 - PILE LOCATION AND DEPTHS SHOWN HEREIN ARE PRELIMINARY ONLY. REFER TO CONSENTED PLANS FOR FINAL DESIGN.

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PROPOSED NEW DWELLING
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CROSS SECTION			
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