LOT 122
6 WAIPAPA WAY,
TE KAUWHATA

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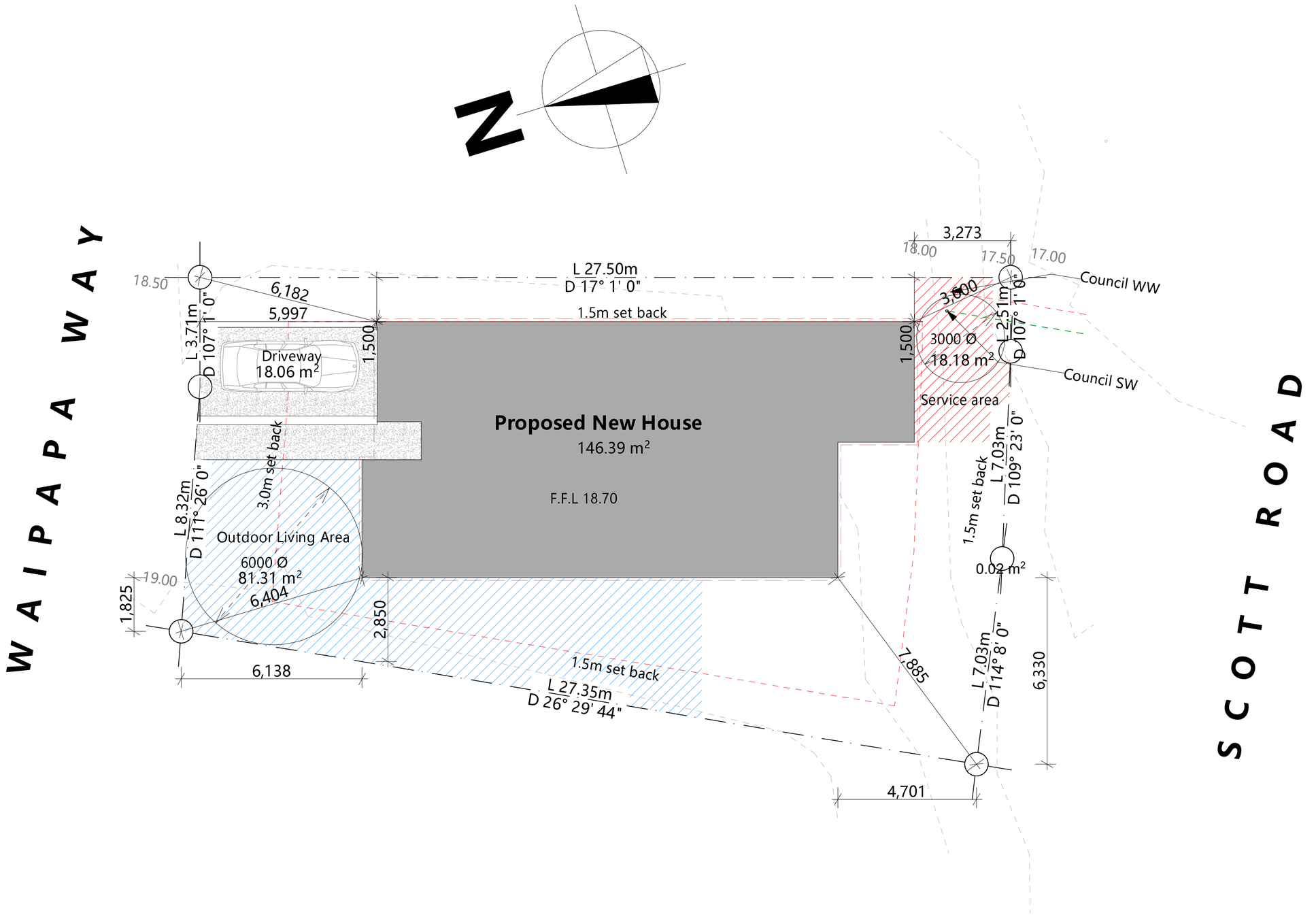
J&J Architecture Ltd



J&J Architecture Ltd
NUMBER: 0210312191
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

NOTES:

Site Plan Notes:

Legal Descripiton

Street:	6 Waipapa Way
Lot:	122
DPS:	558152
Site Area:	515.00 m2 (393m2 Net)
Floor Area:	146.72 m2
Site Coverage:	37%
Driveway:	18.06m2
Permeable Surface:	(393-146.72-18.06)/393=58%
Wind Zone:	H
Wind Region:	A
Earthquake Zone:	Zone 1
Exposure Zone:	Zone B
Climate Zone:	Zone 2
Zone:	Residential Zone
Precient:	Medium Density

Earthwork:

Cut area:	147m2
Cut deep:	200mm
	(200mm)
	29.4m3

1 Contractor to double check datum and all levels.
2 Rerfer to survey plan for accurate contours.
3 Drain layer to locate connection on site before comecing works.
4 Sand pad refer to attached geotech report by engineer.
6 All site dimensions are to outside edge of slab.
7 All works to comply with current NZS:3604 2011 & NZBC.
8 Overall frame or slab dimension to allow for 6mm bottom plate overhang.
9 Site fence required during the construction to comply with NZBC F5.

REVISION
A 21.11.22 Revised for council Planning FIR
B 15.12.22 Revised for council BC FIR

CLIENT

LOT 122
6 Waipapa way
Tekauwhata

Site Plan

DATE	SCALE @ A3
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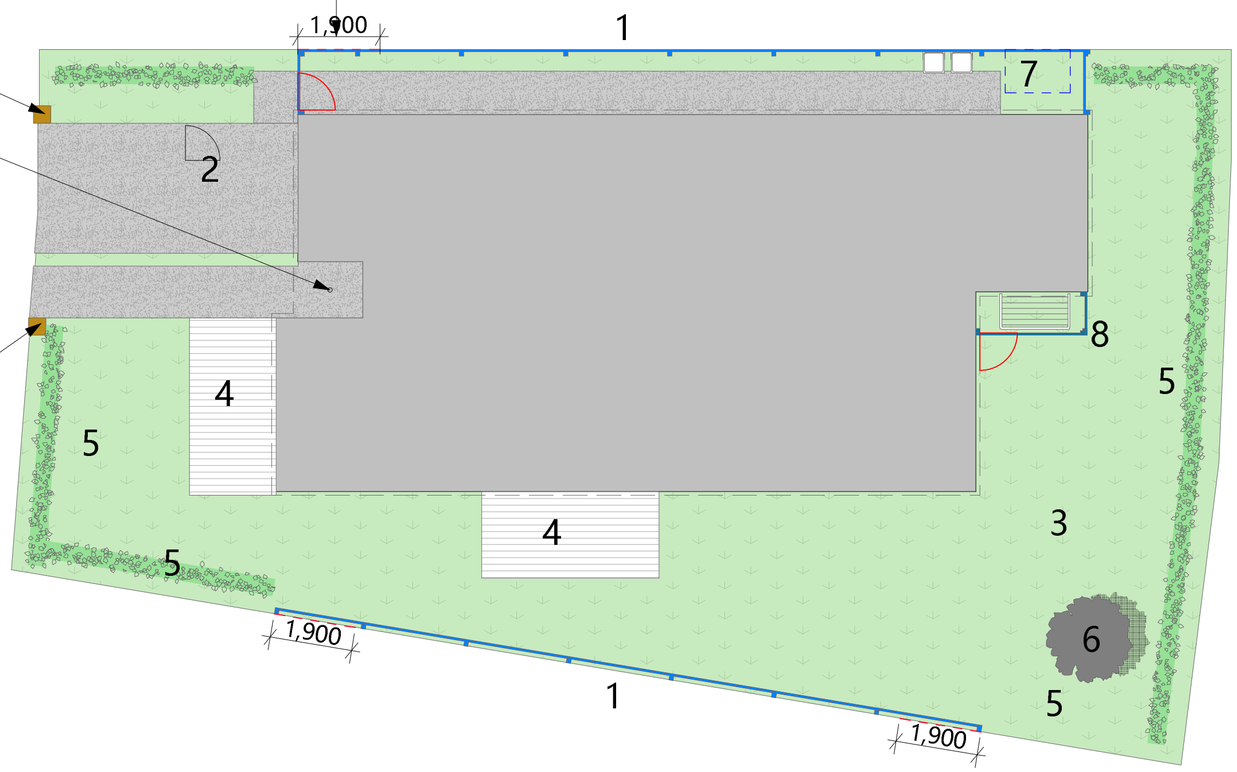
B	A101

1/150x150 1m high Mac. Post to support letterbox 100-250mm from driveway

Security and movement light under soffit

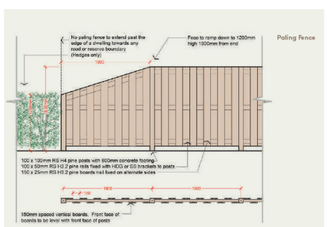
LetterBox
300w x 400d x 300h, black steel On 1/150x150 1m high Mac. Post to support letterbox 100-250mm from driveway

Fence to ramp down to 1200 high



1 1.8m privacy timber fence at backyard

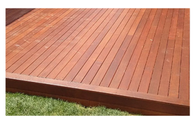
- Vertical timber paling fencing to a finished height of 1.8m above existing ground level is to be erected on each common boundary to a residential lot. Fencing is to be as per the detail below. Existing ground level means ground level at the time of title issue.



2 Concrete (Exposed Aggregate)

3 Lawn area

4 Deck



5 Hedge plants(Griselinia littoralis)

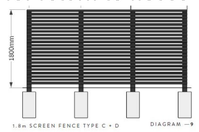
- All common boundaries with a road, access lot, reserve or residential lot where paling fencing is not permitted must be planted with a hedge offset 400mm inside the boundary.
- Hedge plants are to be a minimum of 1000mm high at the time of planting and a maximum of 600mm apart.
- Hedging is to be clipped and maintained to a height of 1200 –1800mm.

6 Magnolia Tree(Min PB150 or 2m+)

- Trees are to be at least 2.5m in height at time of planting.
- No trees over 4m are allowed within 2m of a neighbouring residential lot.

7 Garden sheds or other structures over 1.8m in height are only permitted with prior written approval from Lakeside Developments (Only Potential Location)

8 1.8m Screen timber fence for return to house



J&J Architecture Ltd
NUMBER: 021031291
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

NOTES:

REVISION
A 21.11.22 Revised for council Planning FIR
B 15.12.22 Revised for council BC FIR

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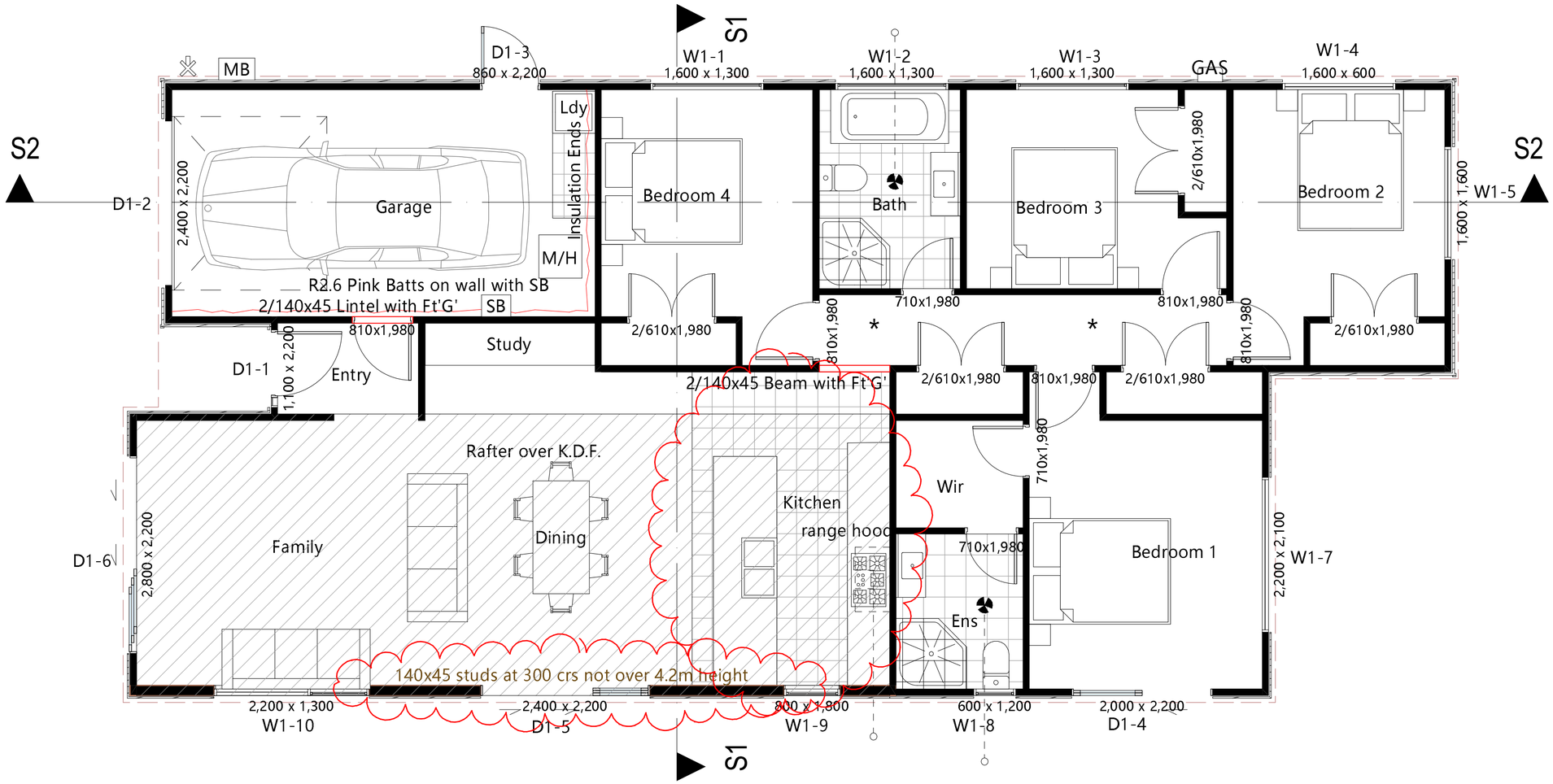
LOT 122
6 Waipapa way
Tekauwhata

Site Landscaping Plan

DATE 15/12/2022
SCALE @ A3 1 : 1 0 0
REVISION B
PAGE A 1 0 2



Insulation

90 Frame External Walls:
R2.6 PINK BATTS

Trusses Roof Area:
R4.0 PINK BATTS

Meter Box:
Kingspan KS1000RW

Timber Treatment

Timber	Treatment
Wall Frame	H1.2
Wet Area Wall Frame	H3.2
Trusses	H1.2

Finishs

Skirting: 60x10 PINE SINGLE BEVEL
Architrave: 60x10 PINE SINGLE BEVEL
Scotia: 75 Gib Cove

Wet Area
ARDEX-Applicator-Guang Zhou-0462
Wet area to be waterproofing with"ARDEX" membrane under tile area. Install waterproof membranes to: 1800mm above shower.300mm minimum up the wall behind the canity. and 1500mm above the F.F.L.

K E Y :

Smoke Detecter	*
Out door Tap	
Switch Board	SB
Meter Board	MB
Ceiling Access	M/H
Rinnai Gas HW System	GAS
Air Conditioner Outlet	AIR
Exhaust Fan	

Flow rates
a) 25 L/s for showers and baths, and
b) 50 L/s for cooktops.

Window&Door Schedule

W&D #	Size(HxW)	Glazing	G/Type	Lintel Size	Lintel Fixing
D1-1	2200x1100	Double	Clear/Safety	2/140x45	F
D1-2	2200x2400		Sectional	2/240x45	G
D1-3	2200x860	Double	Clear/Safety	2/140x45	F
W1-1	1300x1600	Double	Clear	2/140x45	F
W1-2	1300x1600	Double	Opaque/Safety	2/140x45	F
W1-3	1300x1600	Double	Clear	2/140x45	F
W1-4	600x1600	Double	Clear	2/140x45	G
W1-5	1600x1600	Double	Clear	2/140x45	F
W1-7	2100x2200	Double	Clear	2/190x45	E
D1-4	2200x2000	Double	Clear/Safety	2/190x45	F
W1-8	1200x600	Double	Opaque/Safety	2/140x45	F
W1-9	1800x800	Double	Clear/Safety	2/140x45	F
D1-5	2200x2400	Double	Clear/Safety	2/240x45	G
W1-10	1300x2200	Double	Clear	2/240x45	F
D1-6	2200x2800	Double	Clear/Safety	2/240x45	G

 # ALL THE WINDOW AND DOOR HEIGHT TO BE 2200mm ALL SIZES TO BE MEASURED ON SITE BEFORE FABRICATION. CONSULT WITH OWNER AT FINAL MEASURE!

J&J Architecture Ltd
NUMBER: 0210312191
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

NOTES:

Floor PLan Notes:

1. All works to comply with NZS 3604:2011 and NZBC.
2. Do Not scale off drawing.
3. Contractor shall verify and be responsible for all dimensions on site.
4. Architects to be notified of any variation between site dimensions and those on plans.
5. These drawings remain the property of J &J Architecture Ltd. And Should not be copied in any form or passed on to a third party without prior written consent.
6. Kitchen facilities to comply with NZBC G3/AS1.
7. Laundry facilities to comply with NZBC G2/AS1.
8. All wet area must to comply with NZBC E3/AS1.and concrete tile over all.
9. External Moisture to comply with NZBC E2/AS1
10. Internal Moisture to comply with NZBC E3/AS1
11. STUDS & STUD HEIGHTS:
    - All walls to be 90x45 SG8 studs @ 600 crs (2455mm stud height).
    - All bottom plates to be H1.2 fixed with LUMBERLOK BOTTOM PLATE FIXINGS anchor in galv mild steel.
12. All showers to be glass panel with concrete tiles.
13. All internal wall linings to be 10mm GIB standerd. and ceiling to be 13mm GIB standerd over 70x35mm ceiling batten.All wet area to be 10mm GIB AQUALINE.
14. All windows and doors to be aluminium joinery. and it have to be comply with NZS 4223:part3:2016 for safty glazing and comply with NZBC E2/AS1.
15. All ventilation to be comply with G4/AS1 & AS1668.
16. All internal door to be 1980mm height.
17. All Ceilling batten need to be 70x35 H1.2 @ 600 crs with 13mm Gib, or @ 400 crs with 10mm Gib.

REVISION
A 21.11.22 Revised for council Planning FIR
B 15.12.22 Revised for council BC FIR

CLIENT
L O T 1 2 2
6 W a i p a p a w a y
T e k a u w h a t a

Ground Floor Plan

DATE	SCALE @ A3
15/12/2022	1 : 5 0 , 1 : 1 0 0
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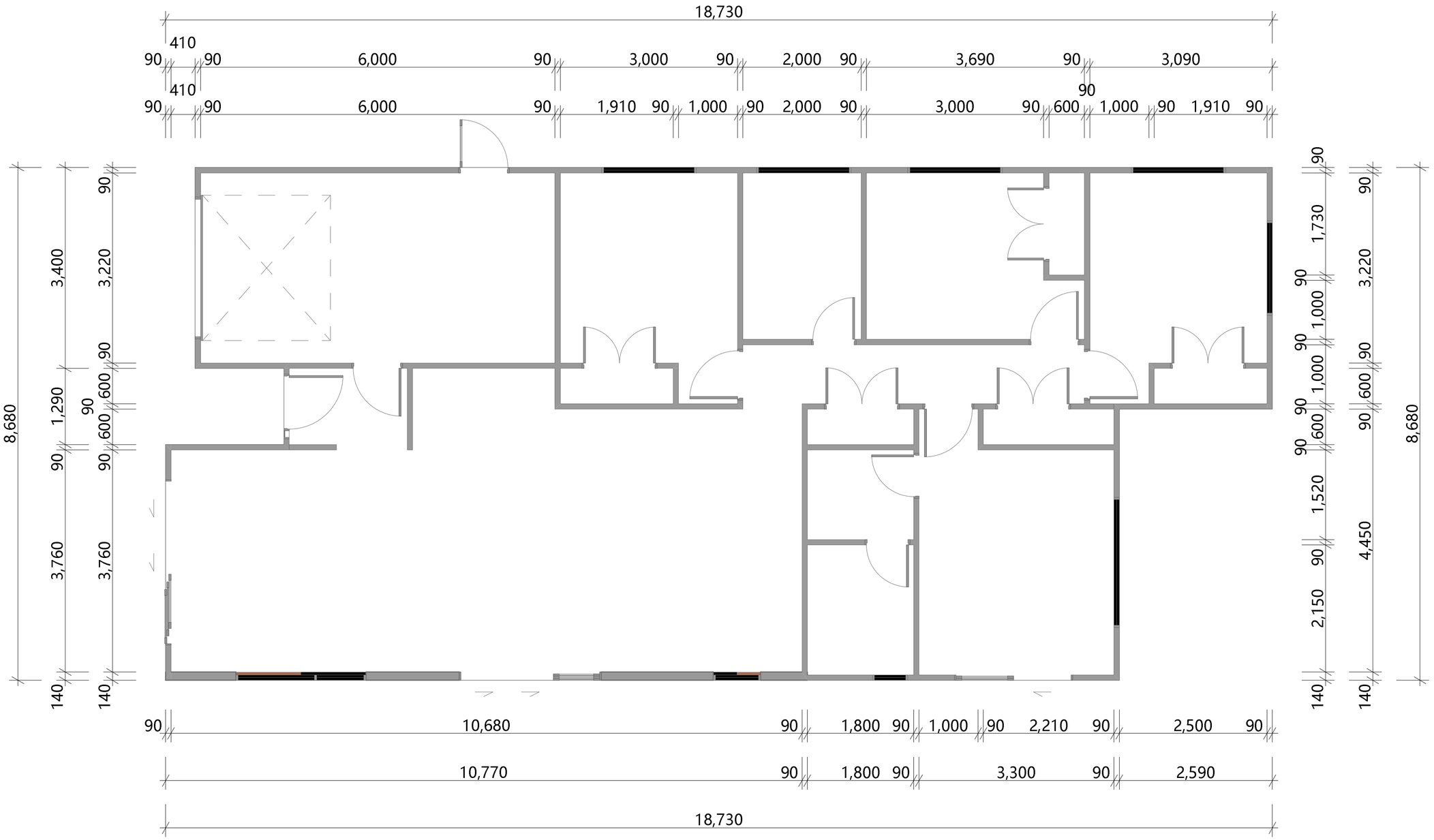

J&J Architecture Ltd

NUMBER: 0210312191
ADDRESS: P O Box 21 209, Rototuna. Hamilton
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CLIENT
LOT 122
6 Waipapa way
Tekauwhata

Ground Floor Dim Plan

DATE 15/12/2022
SCALE @ A3 1:50, 1:100
REVISION B
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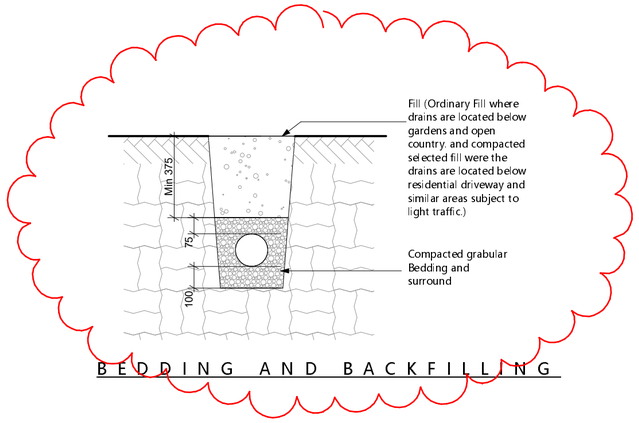
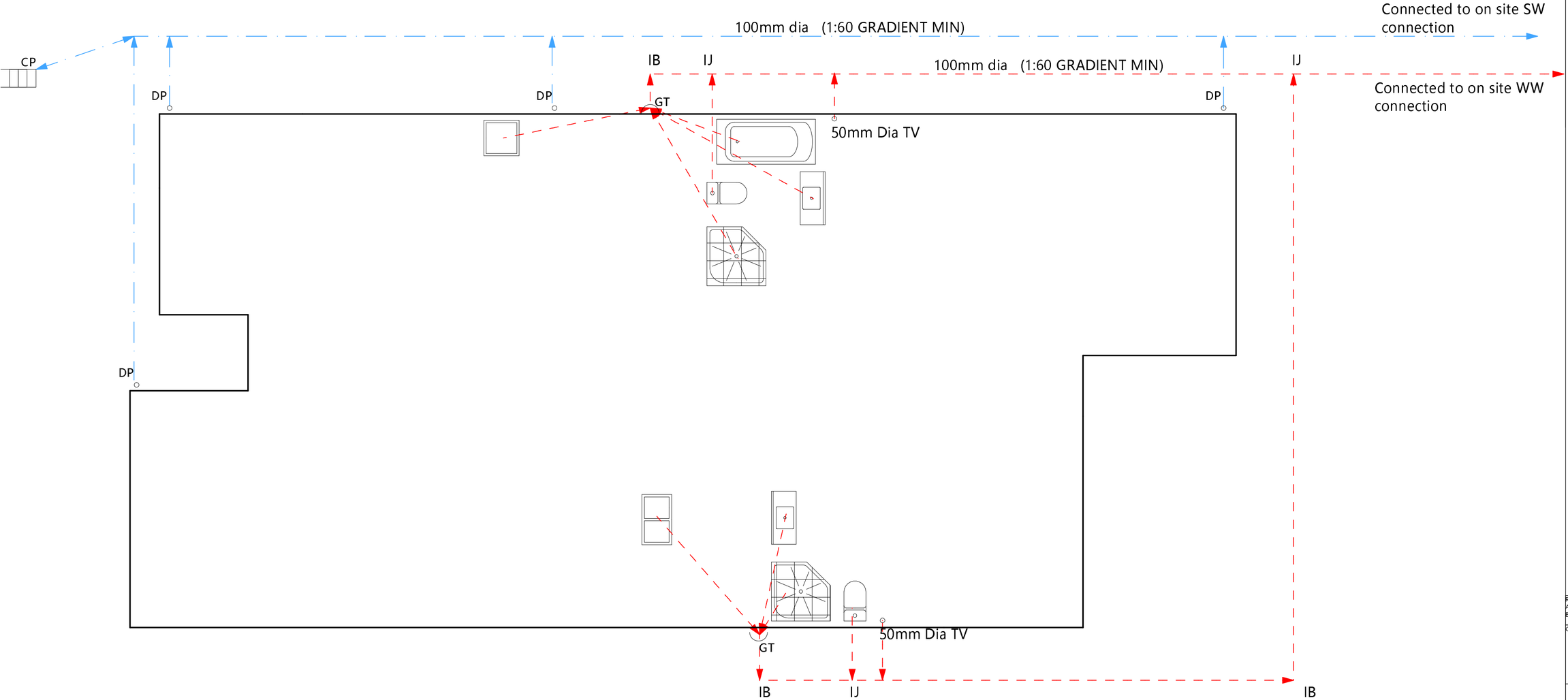


BEDDING AND BACKFILLING

Plumbling Legend & Schematic

Fitting type	Pipe	Min. Gardient
WC	100mm Dia	1:60
Bath	40mm Dia	1:40
Basin	40mm Dia	1:40
Shower	40mm Dia	1:40
Sinks	40mm Dia	1:40
Tub	40mm Dia	1:40
Washing LDY	40mm Dia	1:40
Branch Drains	65mm Dia	1:40
S.T.	100mm Dia	1:60
Main Drain	100mm Dia	1:60



J&J Architecture Ltd
NUMBER: 0210312191
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

NOTES:

Drinage Plan Notes:

1 All drainage is to comply with NZS/AS3500 & NZBC.
2 Confirm location & position of all drains on site.
3 Pipe junctions 45O or swept bends.
4 All downpipes 80mm dia sized to table NZBC E1 surface water. and stormwater drainage laid as per E1/AS1.
5 Ensure each spreader service max 25m2 roof area.
6 Hot and cold water supplies are to be run in dux secura gold piping (compliant to AS/NZS 4020)and installed to comply to G12/AS1.

7 **All taps, toilets and showers to be used low flow fixtures at least a 3 star rating in accordance with theNe w Zealand water efficiency labelling Scheme.**

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LOT 122
6 Waipapa way
Tekauwhata

Ground Floor Plumbing Plan

DATE 15/12/2022
SCALE @ A3 1:100, 1:20
REVISION B
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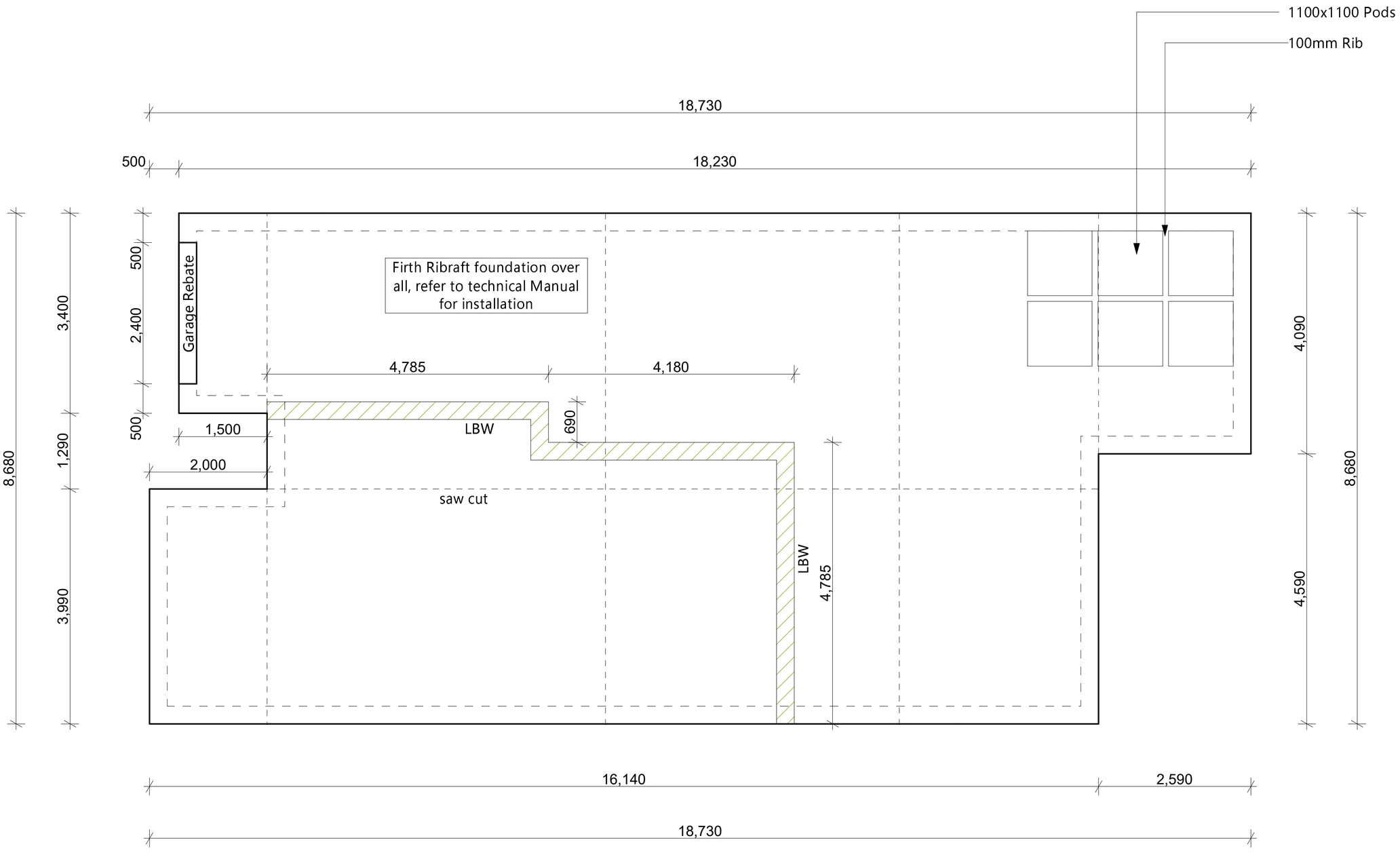

J&J Architecture Ltd
NUMBER: 021031219 1
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

NOTES:

Foundation Plan Notes:

1 Building setout and floor levels to be established by a registered surveyer.
2 All works to be comply with NZS: 3604 2011. Sand pad refer to engineer Goetec report.
3 All internal load bearing wall loction refer to percut and turss manufacturer design layout for point load. And slab thickenings to comply with NZS:3604:2011
4 **Foundation have to use FIRTH Ribraft foudnation system, and Firth Concrete. Detials refer to technical manual. and System to be comply with Codemark.**

REVISION
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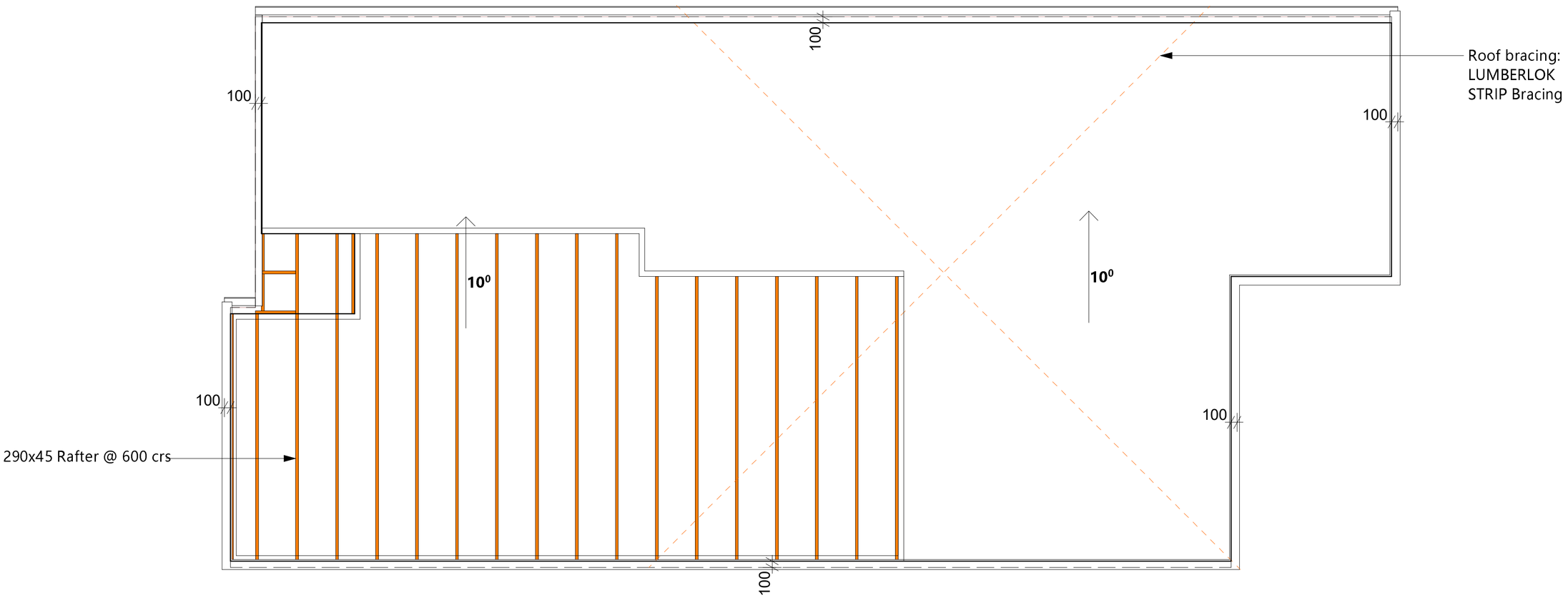
CLIENT
LOT 122
6 Waipapa way
Tekauwhata

Ground Floor Foundation Plan

DATE 15/12/2022
SCALE @ A3 1:50, 1:100
REVISION B
PAGE A106

10^0 Roof Trusses With 100mm Overhangs, 70X45mm @900 crs maxTimber Purlins Over Tusses, Tusses Layout Refer to Manufacturer Tusses Layout Plan



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ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

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NOTES:

Roof Notes:

1 Each spreader to drain 25m2 of roof area only.
2 Rerfer to precut trusses layout and specification.
3 All Ceiling batten need to be 70x35 H1.2 @ 600 crs with 13mm Gib, or @ 400 crs with 10mm Gib.

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Roof Plan

DATE	SCALE @ A3
15/12/2022	1:50, 1:100
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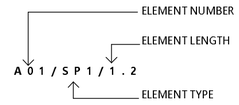
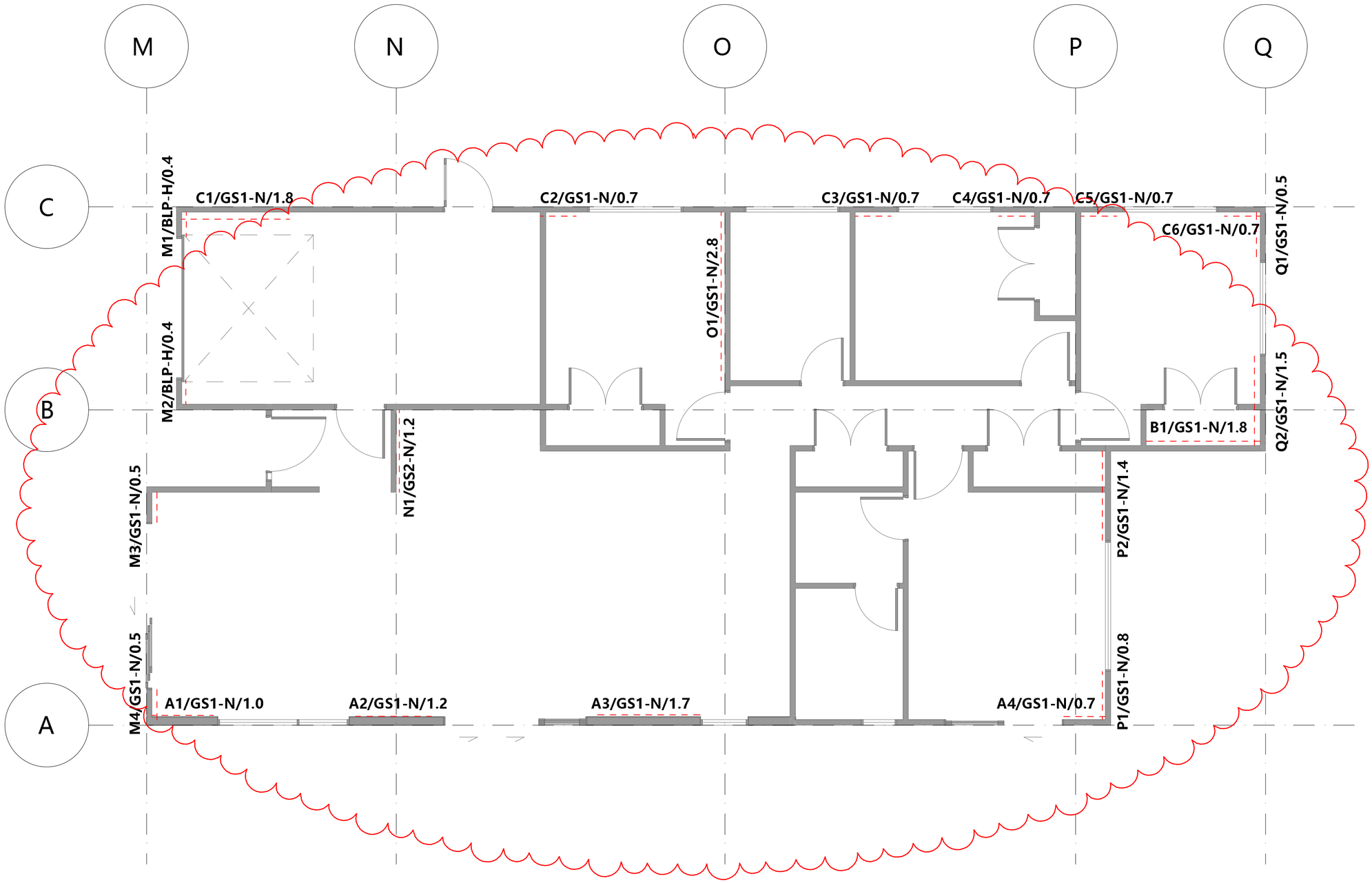
KEY:





J&J Architecture Ltd
NUMBER: 021031291
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

NOTES:

Bracing Plan Notes:

All bracing elements to comply with NZBC B2, Durability requirement not less than 50 years.

All plywood bracing elements to be H3.2 TREATED

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LOT 122
6 Waipapa way
Tekauwhata

Ground Floor Bracing Plan

DATE	SCALE @ A3
15/12/2022	1:50, 1:100
REVISION	PAGE
B	A108

K E Y :

- Pendent Light
- LED Recessed Downlight
- LED Recessed Wall Light
- Light Switch
- 2 — 2-Way Light Switch
- 2 — Double Power Point
- TV — Television
- PH — Phone Jack
- NET — Internet Jack
- MB — Meter Board
- SB — Switch Board
- Extractor Fan

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NOTES:

Electrical Notes:

1. Layout to be confirmed with client prior to first fix
2. Extract fans to bathrooms and rangehood to kitchen are to be vented to the exterior ,through the soffit.
3. Povide wiring to infinity gas system
4. CA 80 and CA 135 rated downlight to be used.

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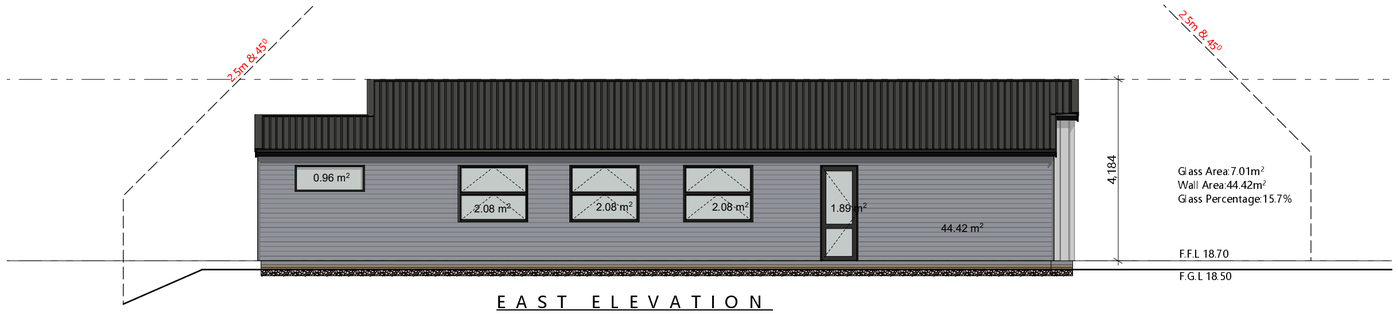
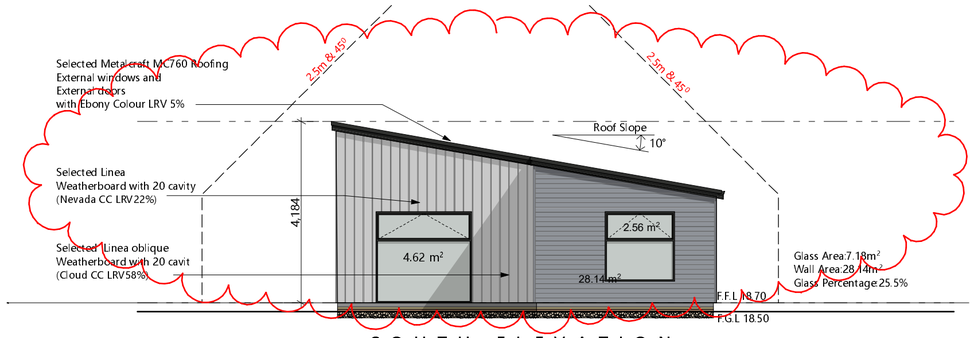
CLIENT
L O T 1 2 2
6 W a i p a p a w a y
T e k a u w h a t a

Ground Floor Electrical Plan

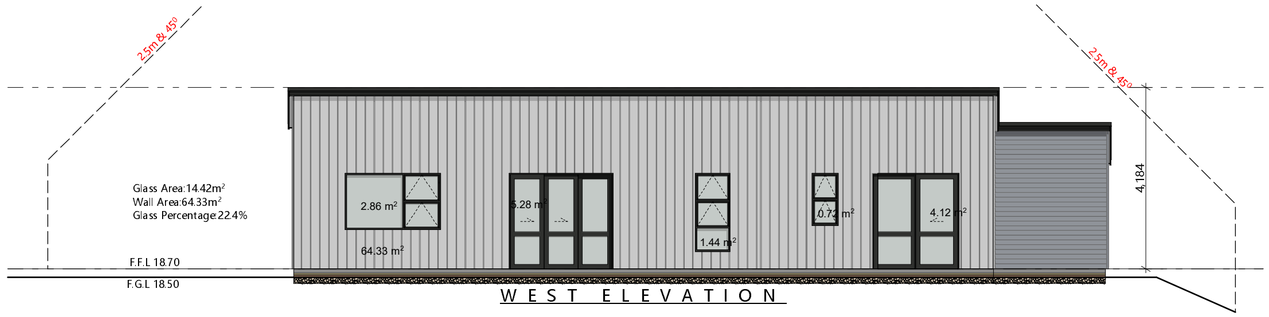
DATE 15/12/2022
SCALE @ A3 1 : 5 0 , 1 : 1 0 0
REVISION B
PAGE A 1 0 9



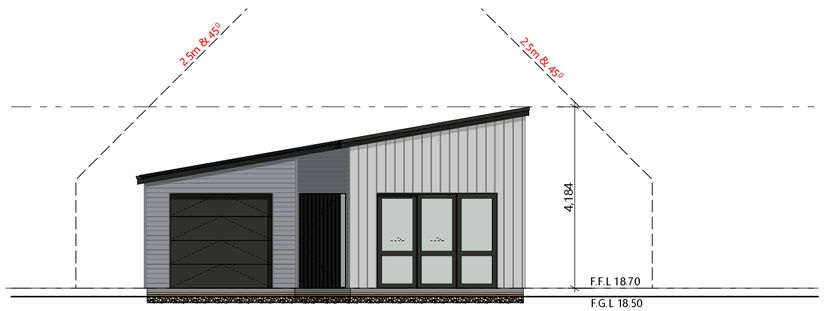
EAST ELEVATION



SOUTH ELEVATION



WEST ELEVATION



NORTH ELEVATION

COLOUR

Resene Ebony

Total colour code:	N34-005-272
Chart colour code:	1GR51
Tone:	Mid/Mid grey
Colour palette:	Neutral
RGB:	49 51 55
Hex values:	#313337
LAB:	21.19 0.12 -2.82
CMYK:	11 7 0 78
Approx. LRV:	8

Resene Nevada

Total colour code:	N54-007-200
Chart colour code:	18B23
Tone:	Light
Colour palette:	Neutral
RGB:	102 111 111
Hex values:	#666F6F
LAB:	46.10 -3.40 -1.17
CMYK:	8 0 0 56
Approx. LRV:	22

Resene cloud

Total colour code:	Y81-011-082
Chart colour code:	06A03
Tone:	White
Colour palette:	Yellow
RGB:	194 188 177
Hex values:	#C2BCB1
LAB:	76.44 0.17 6.31
CMYK:	0 3 9 24
Approx. LRV:	58

BUILDING ENVELOPE RISK MATRIX

All 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	0
Eaves width	Very high risk	5
Envelope complexity	Medium risk	1
Deck design	Low risk	0
Total Risk Score:		**7**

1:100, 1:139.0673,

J&J Architecture Ltd
NUMBER: 021031219 1
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

NOTES:

Cladding Notes:

1 Selected Linea WEATHERBOARD with 20mm cavity over "THERMAKRAFT WATERGATE Plus 295" building paper. Which show on the elevation.
2 Selected Linea Oblique WEATHERBOARD with 20mm cavity over "THERMAKRAFT WATERGATE Plus 295" building paper. Which show on the elevation.
3 Selected Colorsteel Longrun Roofing over "Thermakraft Covertek 401" roof underlay with 10° roof pitch. Which show on the elevation.
4 Selected COLORSTEEL 1/4 ROUND GUTTER over COLORSTEEL FASCIA. With 80mm Dia downpipes.Which show on the elevation.
5 Refer to window and door schedule for joinery tapes and size.

REVISION	
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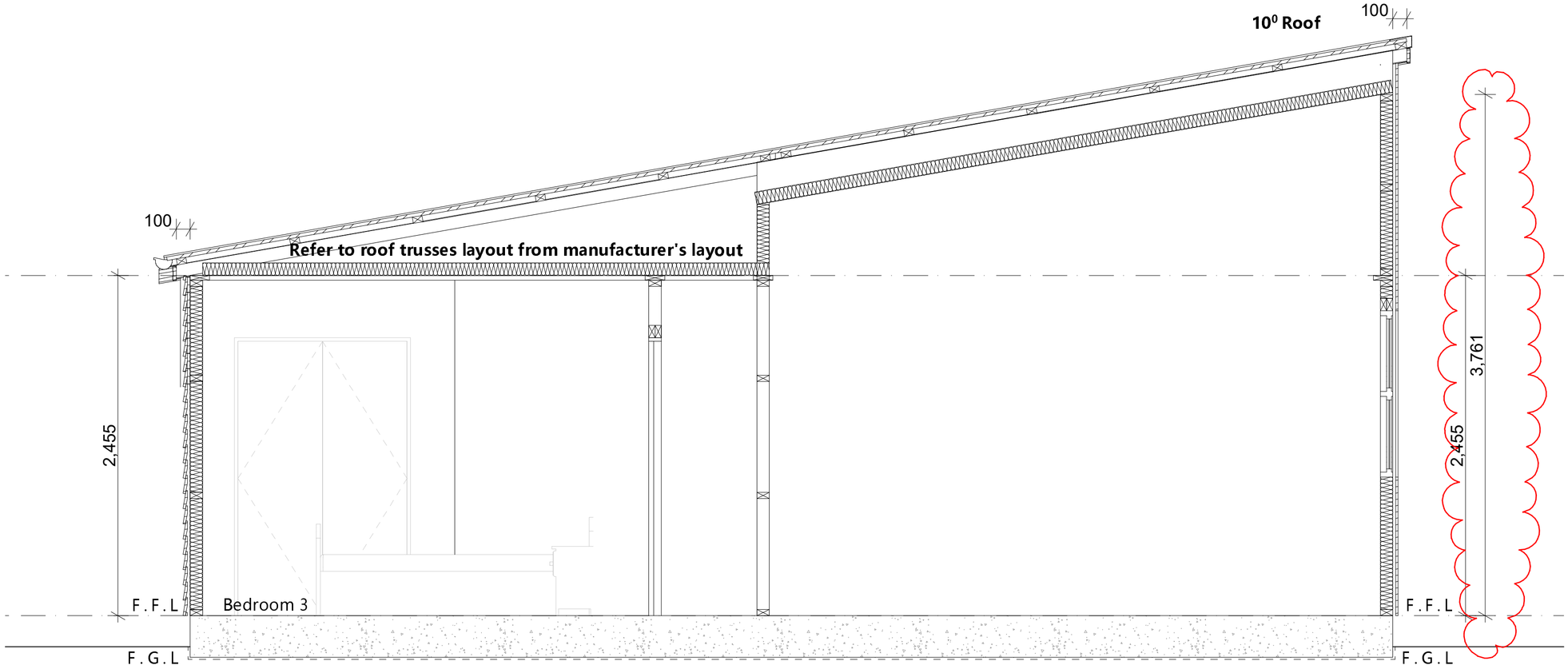
CLIENT

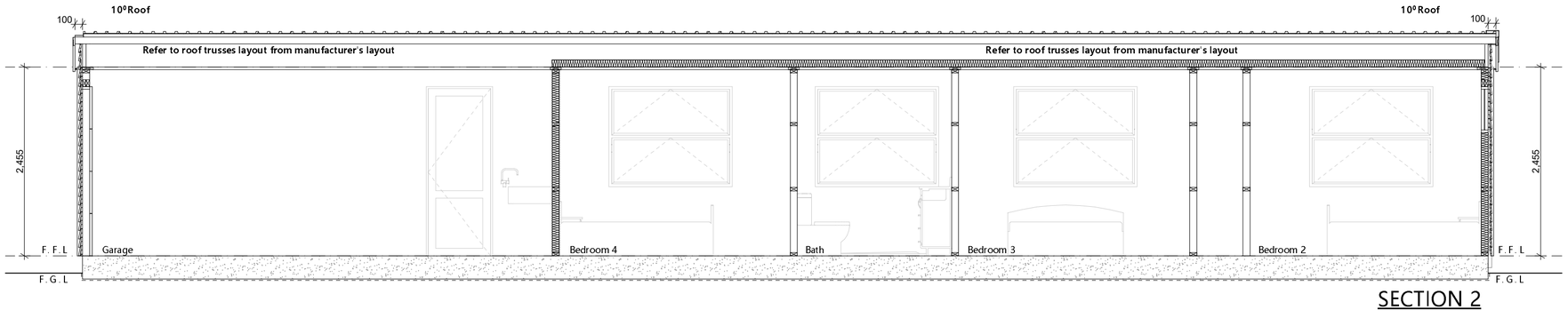
LOT 122
6 Waipapa way
Tekauwhata

Elevations

DATE	SCALE @ A3
1:1318/12/2022,	1:139.3150
REVISION B	PAGE A201



SECTION 1



SECTION 2

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NUMBER: 021031291
ADDRESS: P O Box 21 209, Rototuna. Hamilton
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NOTES:

Cladding Notes:

1. Selected Linea WEATHERBOARD with 20mm cavity over "THERMAKRAFT WATERGATE Plus 295" building paper. Which show on the elevation.
2. Selected Linea Oblique WEATHERBOARD with 20mm cavity over "THERMAKRAFT WATERGATE Plus 295" building paper. Which show on the elevation.
3. Selected Colorsteel Longrun Roofing over "Thermakraft Covertek 401" roof underlay with 10⁰ roof pitch. Which show on the elevation.
4. Selected COLORSTEEL 1/4 ROUND GUTTER over COLORSTEEL FASCIA. With 80mm Dia downpipes.Which show on the elevation.
5. Refer to window and door schedule for joinery tapes and size.

REVISION
A 21.11.22 Revised for council Planning FIR
B 15.12.22 Revised for council BC FIR

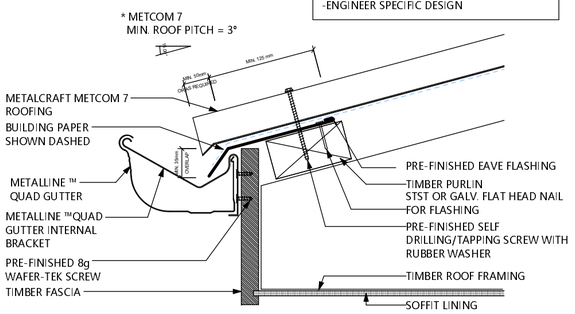
CLIENT
LOT 122
6 Waipapa way
Tekauwhata

Sections

DATE 15/12/2022 | SCALE @ A3 0, 1:25, 1:50

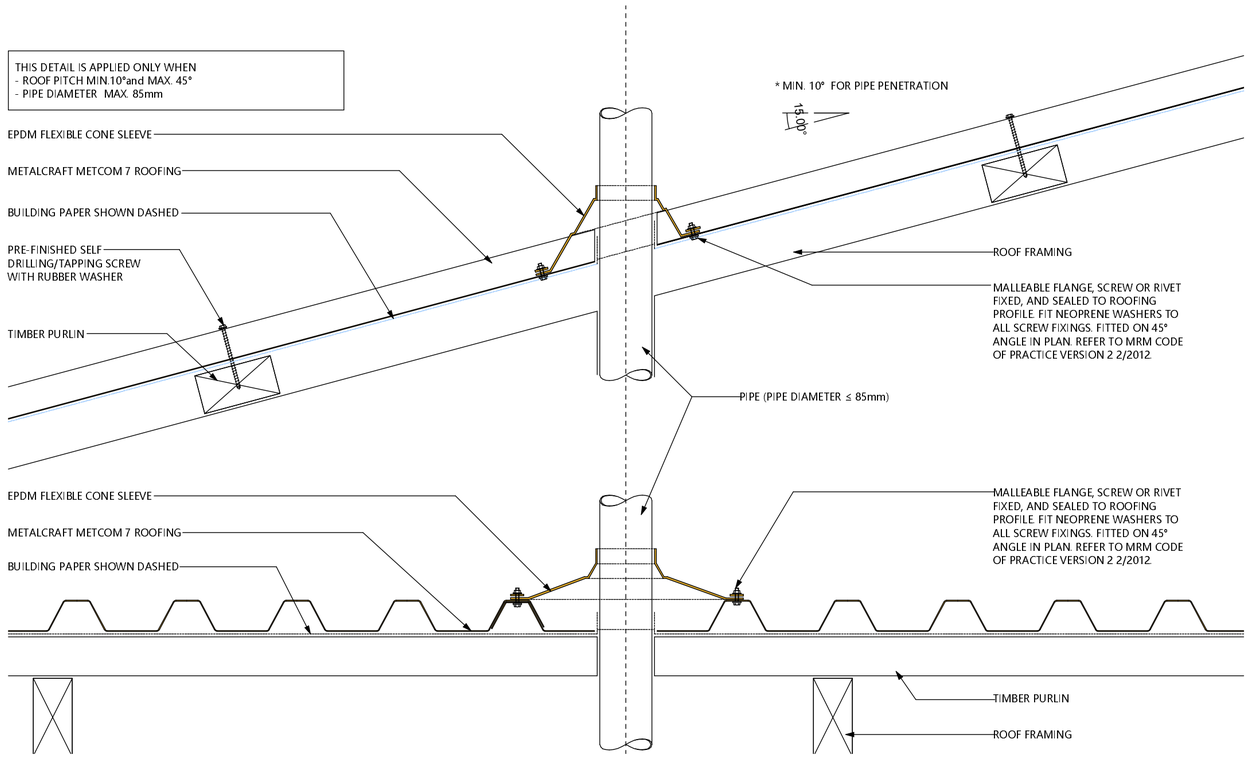
REVISION B | PAGE A301

EAVE FLASHING REQUIRED WHEN
- ROOF PITCH ≤10° ,OR
- SOFFIT WIDTH ≤100mm, OR
- WIND ZONES=VERY HIGH OR EXTRA HIGH OR
-ENGINEER SPECIFIC DESIGN



EAVE WITH INTERNAL GUTTER BRACKET

THIS DETAIL IS APPLIED ONLY WHEN
- ROOF PITCH MIN.10°and MAX. 45°
- PIPE DIAMETER MAX. 85mm



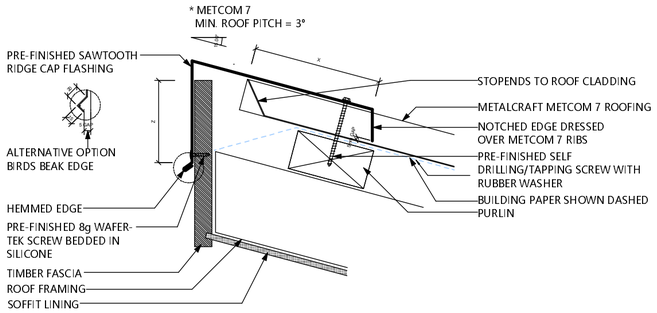
MAX. 85mm DIAMETER PIPE PENETRATION

ACCEPTABLE SOLUTION AS PER E2/AS1			
	SITUATION 1	**SITUATION 2**	**SITUATION 3**
	1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH≥10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≤10°	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
X	MIN. 130mm (EXCLUDDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)	MIN. 200mm (EXCLUDDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING)
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE			
	CATEGORY A	**CATEGORY B**	
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°	
X	MIN. 130mm	MIN. 200mm	
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE -PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE -PROFILED)	

PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.



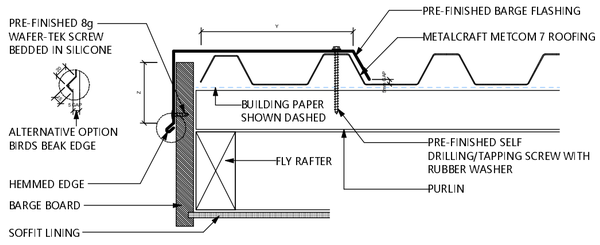
SAWTOOTH EAVE

ACCEPTABLE SOLUTION AS PER E2/AS1			
	SITUATION 1	**SITUATION 2**	**SITUATION 3**
	1. LOW, MEDIUM, HIGH WIND ZONES 2.ROOF PITCH ≥10°	1. VERY HIGH WIND ZONES 2.ALL ROOF PITCHES	1. EXTRA HIGH WIND ZONES 2.ALL ROOF PITCHES
Y	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS	AT LEAST TWO CRESTS
Z	MIN. 50mm	MIN. 70mm	MIN. 90mm

PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE		
	CATEGORY A	**CATEGORY B**
	1. NORMAL EXPOSURE 2. ROOF PITCH >10°	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°
Y	ONE RIB(TRAPEZOIDAL&TRAY) 2 CORRUGATIONS(METCOM 7)	ONE RIB, TWO RIBS(<20mm)(TRAPEZOIDAL&TRAY) 3 CORRUGATIONS(METCOM 7)
Z	MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE -PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE -PROFILED)

PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.



BARGE OVERHANG

J&J Architecture Ltd
NUMBER: 021031291
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

DO NOT SCALE DRAWINGS.
Contractor must verify all dimensions on site before commencing any works. Architect to be notified immediately of any discrepancy. All works shown to be carried out in accordance with the Building Act 2004, all statutory and regulatory authorities and Building Consent Authority approved Consents.
NOTES:

REVISION
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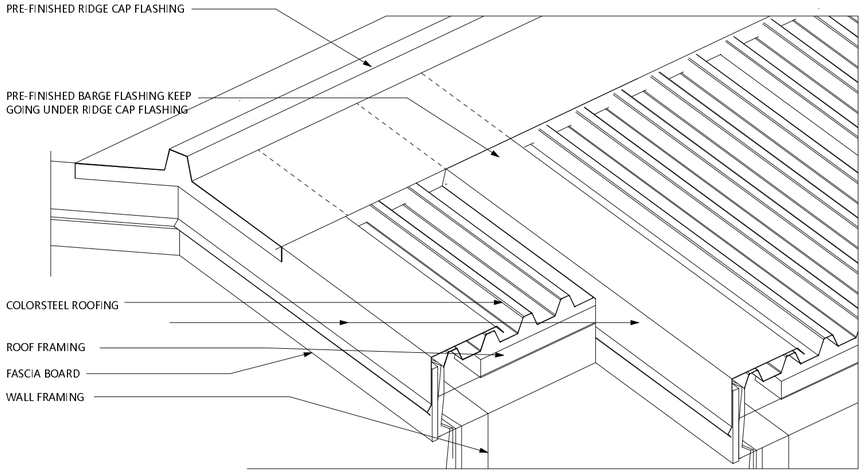
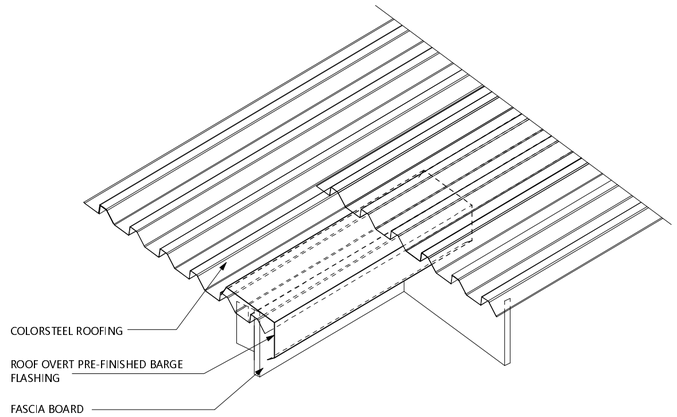
CLIENT
LOT 122
6 Waipapa way
Tekauwhata

Roof Details

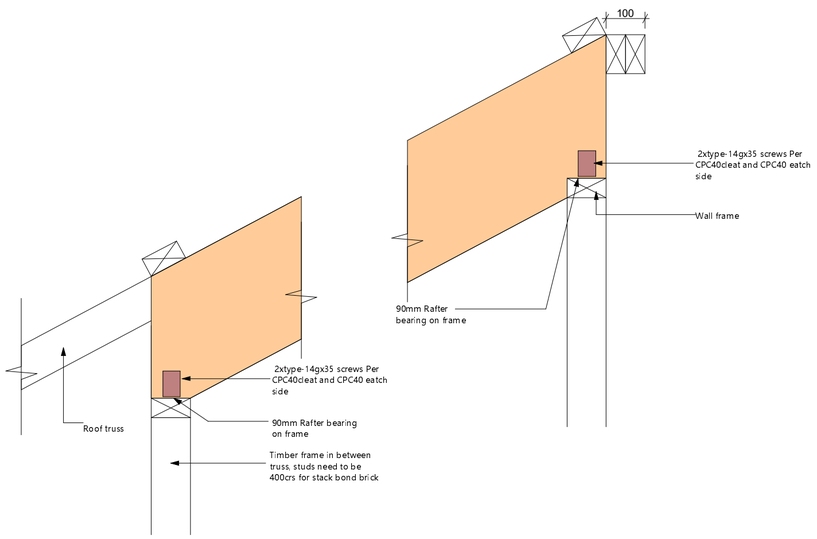
DATE 15/12/2022
SCALE @ A3 1 : 5
REVISION B
PAGE A401



3D - RIDGE TO BARGE JUNCTION



TRANSTION FLASHING JUNCTION



RAFTER WITH WALL DETAIL

J&J Architecture Ltd
NUMBER: 021031291
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

NOTES:

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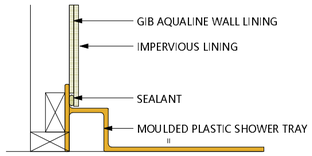
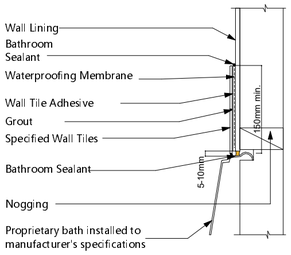
CLIENT
LOT 122
6 Waipapa way
Tekauwhata

Roof Details

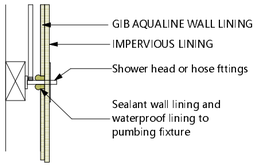
DATE	SCALE @ A3
15/12/2022	1 : 10
REVISION	PAGE
B	A402



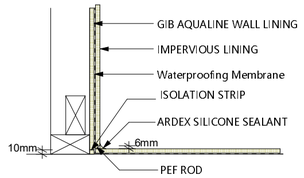
SHOWER BASE DETAILS
SCALE 1:10



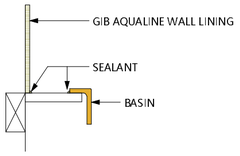
BATH TO WALL DETAILS
SCALE 1:10



SHOWER PIPE PENETRATION
SCALE 1:10



FLOOR TO WALL DETAILS
SCALE 1:10



BASIN DETAILS
SCALE 1:10

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ADDRESS: P O Box 21 209, Rototuna.
Hamilton
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CLIENT
LOT 122
6 Waipapa way
Tekauwhata

Details

DATE	SCALE @ A3
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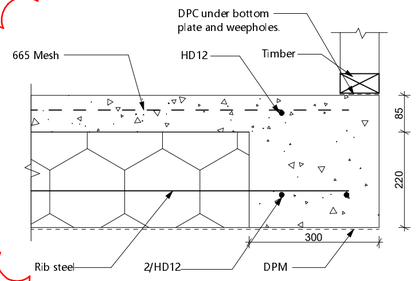
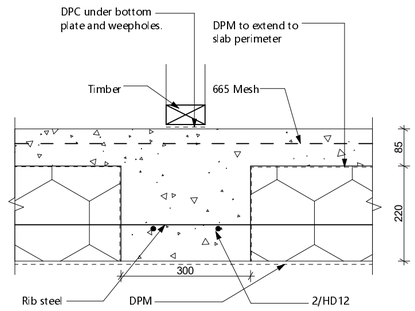
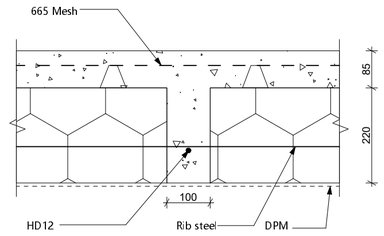
REVISION	PAGE
B	A403



RIBRAFT FOOTING DETAIL



INTERNAL RIB-beam DETAIL



INTERNAL RIB DETAIL

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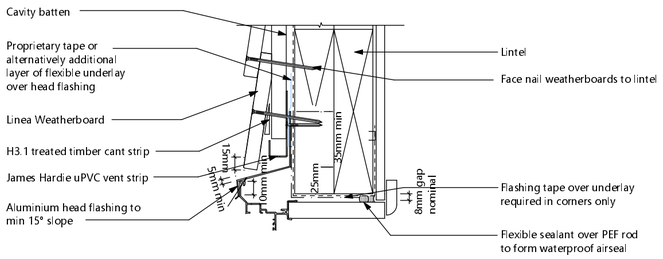
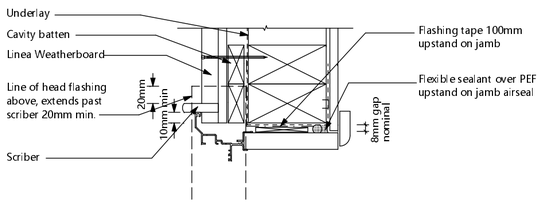
CLIENT
LOT 122
6 Waipapa way
Tekauwhata

Foundation Details

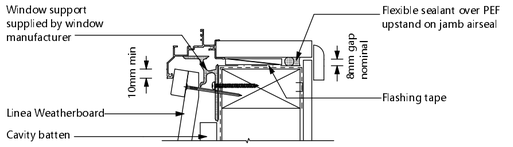
DATE	SCALE @ A3
15/12/2022	1 : 10
REVISION	PAGE
B	A404



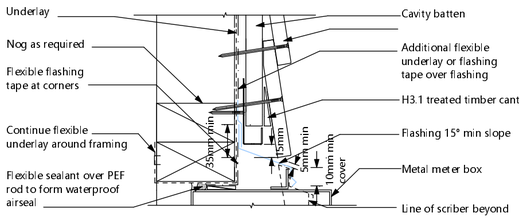
TIMBER CAVITY WINDOW AND DOOR HEAD



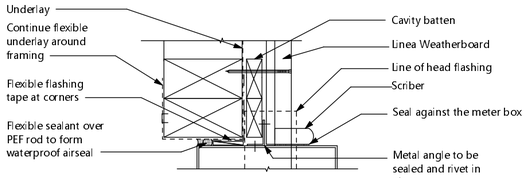
TIMBER CAVITY WINDOW AND DOOR JAMB



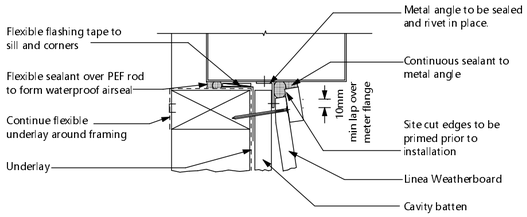
TIMBER CAVITY WINDOW AND DOOR SILL



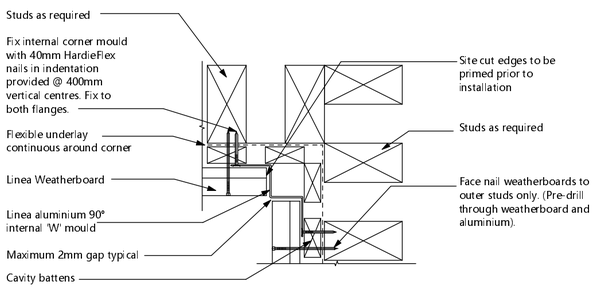
TIMBER CAVITY METER BOX AT HEAD



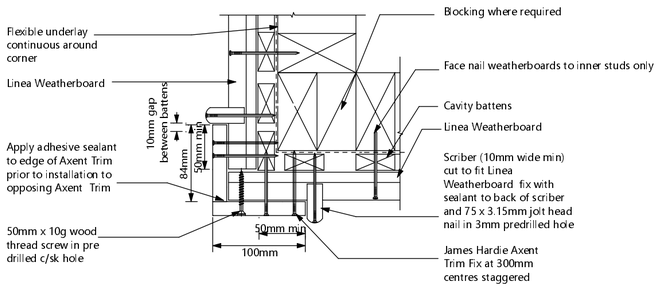
TIMBER CAVITY METER BOX AT JAMB



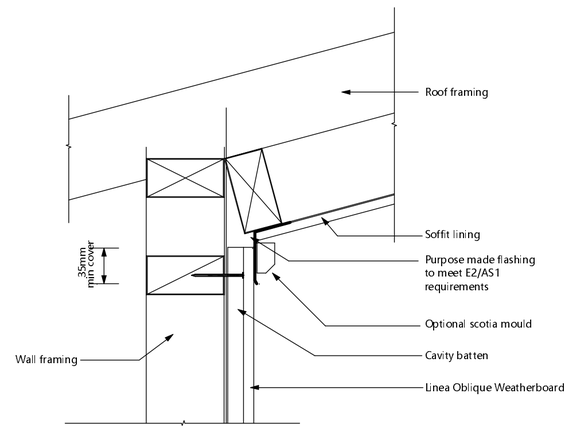
TIMBER CAVITY METER BOX AT SILL



TIMBER CAVITY INTERNAL 90° ALUMINIUM 'W' MOULD CORNER



TIMBER CAVITY BOXED CORNER



WEATHERBOARD SLOPING SOFFIT AND WALL JUNCTION

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NOTES:

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B 15.12.22	Revised for council BC FIR

CLIENT

LOT 122
6 Waipapa way
Tekauwhata

Cladding Details

DATE	SCALE @ A3
15/12/2022	1 : 5
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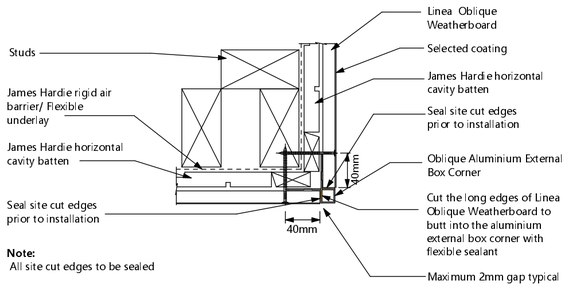
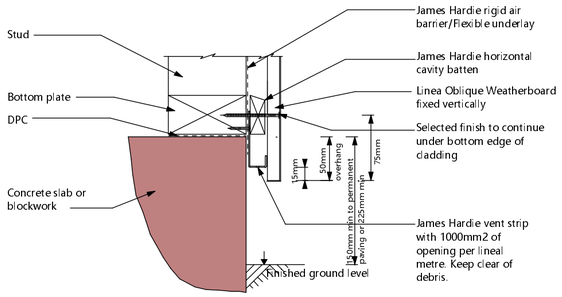
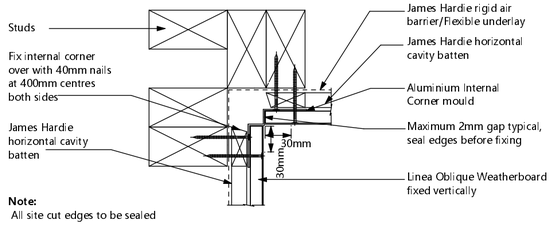


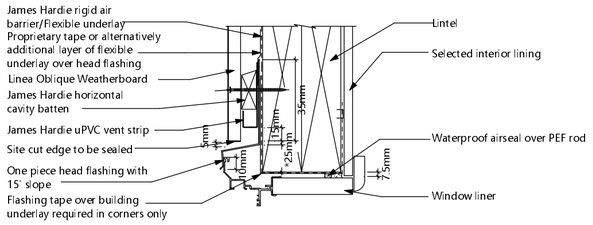
External Aluminium Box Corner



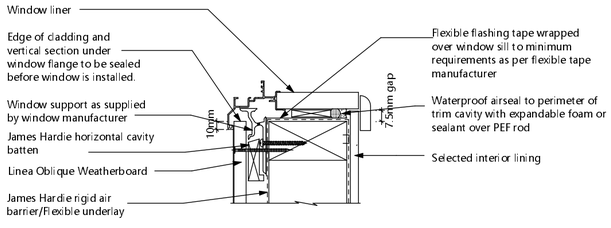
TIMBER CAVITY FOUNDATION



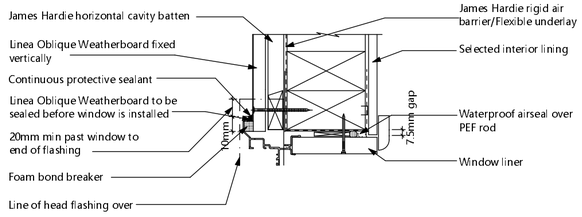
Internal Corner



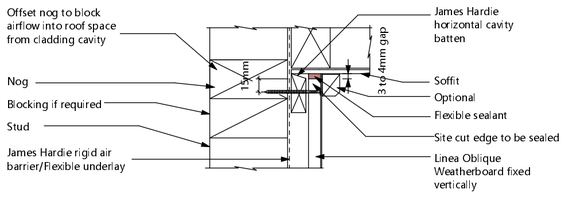
Window Head



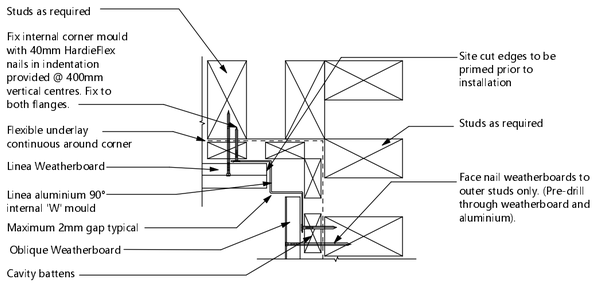
Window Sill



Window Jamb



Soffit Detail



TIMBER CAVITY INTERNAL 90° ALUMINIUM 'W' MOULD CORNER

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CLIENT
LOT 122
6 Waipapa way
Tekauwhata

Cladding Details

DATE 15/12/2022
SCALE @ A3 1 : 5
REVISION B
PAGE A 4 0 6

FIXING SELECTION CHART

(Suitable for walls supporting roof members at 600, 900 or 1200mm crs.)

Wind Zones L, M, H, VH, EH, as per NZS 3604:2011

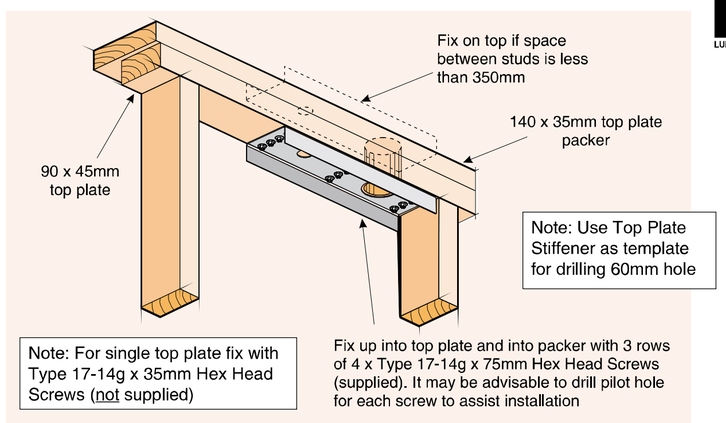
Loaded Dimension (m) Stud Centres			Light Roof Wind Zone					Heavy Roof Wind Zone				
300mm	400mm	600mm	L	M	H	VH	EH	L	M	H	VH	EH
3.0	2.3	1.5	A	A	B	B	B	A	A	B	B	B
4.0	3.0	2.0	A	A	B	B	B	A	A	B	B	B
5.0	3.8	2.5	A	B	B	B	B	A	A	B	B	B
6.0	4.5	3.0	A	B	B	B	B	A	A	B	B	B
7.0	5.3	3.5	A	B	B	B	B	A	A	B	B	B
8.0	6.0	4.0	A	B	B	B	B	A	A	B	B	B
9.0	6.8	4.5	B	B	B	B	B	A	A	B	B	B
10.0	7.5	5.0	B	B	B	B	B	A	A	B	B	B
11.0	8.3	5.5	B	B	B	B	B	A	A	B	B	B
12.0	9.0	6.0	B	B	B	B	B	A	A	B	B	B

SELECTION CHART FIXING OPTIONS

(minimum fixing requirements)

ROOF WEIGHT	MAX. PURLIN SPAN (mm)	MAX. PURLIN CRS. (mm)	WIND ZONE				
			L	M	H	VH	EH
HEAVY ROOF Tile Battens	900	370	A	A	A	A	A
LIGHT ROOF Tile Battens	900	370	A	A	B	C	C
	1200	370	A	B	C	C	C
LIGHT ROOF Purlins	900	900	C	C	C	C	D
	1200	900	C	C	C	D	D
	1200	1200	C	C	D	E	E

PURLIN FIXING



LUMBERLOK®

TOP PLATE STIFFENER

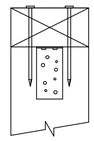
TYPE B

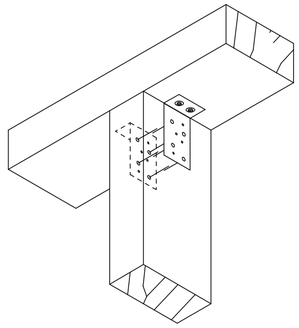
DESCRIPTION

LUMBERLOK STUD TO TOP PLATE FIXING

TYPE B - 4.7kN

2 x 90mm x 3.15 dia. plain steel wire nails driven vertically into stud.





Plus
2 x LUMBRLOK CPC40

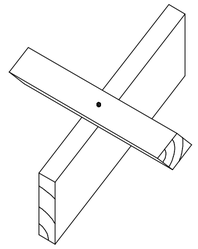
TOP PLATE FIXING

TYPE C

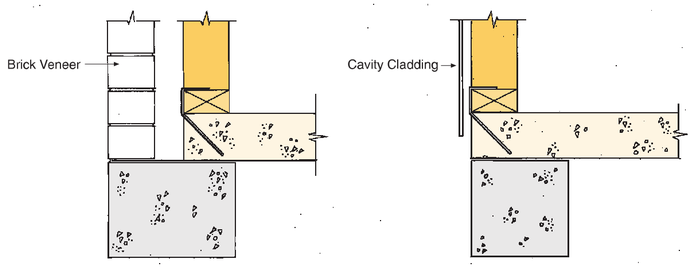
FIXING TYPE **C** 2.40kN

PURLIN

1 SCREW



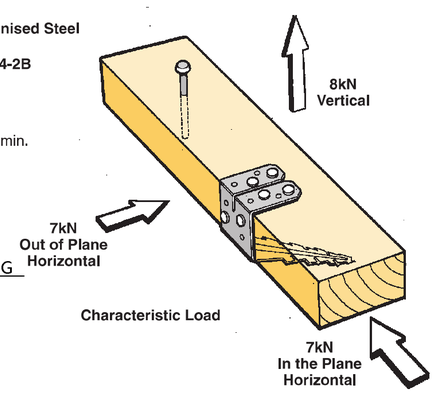
STANDARD FIXING OPTIONS ARE:
SCREW: 80MM x 10 GAUGE LUMBERLOK BLUE SCREW



BRICK VENEER **CAVITY CLADDING**

Code: **BPA**
Material: **0.95mm G300 Z450 Galvanised Steel**
Code: **SSBPA**
Material: **0.9mm Stainless Steel 304-2B**
Packaged: **50 per carton**

Design Loads
Concrete compressive strength 20 MPa min.



BOTTOM FIXING

J&J Architecture Ltd
NUMBER: 0210312191
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

NOTES:

LUMBERLOK PURLIN & BATTEN FIXING

ALTERNATIVE SOLUTION TO NZS 3604:2011

1. MIN OVERALL ROOF TRUSS SPAN 12m.
2. ALL PURLIN AND BATTEN SIZES AS PER NZS 3604: 2011
3. THESE FIXINGS ASSUME PURLINS OR BATTENS ARE FIXED TO TOP OF TRUSS OR RAFTER
4. "LUMBERLOK BLUE SCREW" REQUIRES A MIN OF 30mm PENETRATION INTO THE TRUSS TOP CHORD OR RAFTER TO PROVIDE THE LOADS SPECIFIED.

STUDS FIXING SCHEDULE

ALTERNATIVE SOLUTION TO NZS 3604:2011

1. ALL FIXING ARE DESIGNED TO RESIST VERTICAL LOADS ONLY. DEAD LOADS INCLUDE THE ROOF WEIGHT AND STANDARD CEILING WEIGHT OF 0.20kPA
2. REFER TO TABLE 8.19 NZS 3604:2011 FOR NAILING SCHEDULE TO RESIST LATERAL LOADS.
3. GABLE AND WALL TOP PLATE/STUD CONNECTIONSD WHERE THE ADJACENT REFTER/TRUSS IS LOCATED WITHIN 1200mm OF GABLE AND WALL WITH A MAXIMUM VERGE OVERHANG OF 750mm, REQUIRES FIXING TAPE A AS SHOWN BELOW
4. ALL FIXINGS ASSUME TOP PLATE THICKNESS OF 45mm MAX.
5. WALL FRAMING ARRANGMENTS UNDER GIRDER TRUSSES ARE NOT COVERED IN THIS SCHEDULE.

REVISION
A 21.11.22 Revised for council Planning FIR
B 15.12.22 Revised for council BC FIR

CLIENT
LOT 122
6 Waipapa way
Tekauwhata

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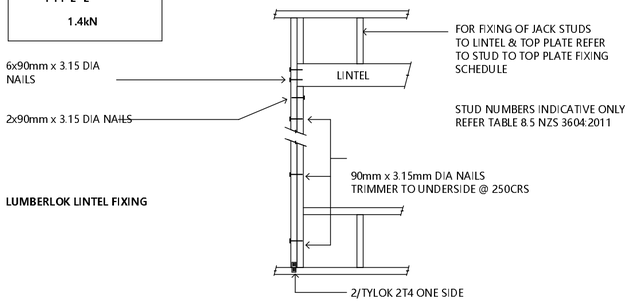
SELECTION CHART FOR LINTEL FIXING

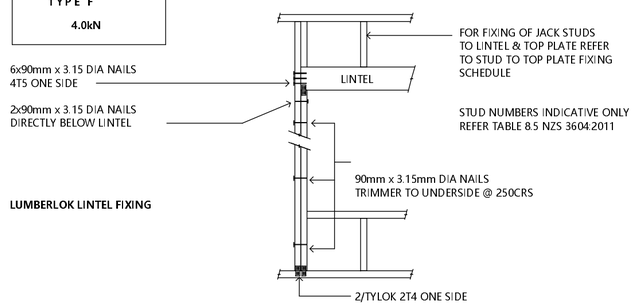
Lintel Span	Loaded Dimension (See Fig. 1.3 NZS 3604:2011)	Light Roof Wind Zone					Heavy Roof Wind Zone				
		L	M	H	VH	EH	L	M	H	VH	EH
0.7	2.0	E	E	E	E	F	E	E	E	E	E
	3.0	E	E	E	F	F	E	E	E	E	F
	4.0	E	E	F	F	F	E	E	E	F	F
	5.0	E	F	F	F	G	E	E	F	F	F
	6.0	E	F	F	G	G	E	E	F	F	G
0.9	2.0	E	E	E	F	F	E	E	E	E	F
	3.0	E	E	F	F	F	E	E	E	F	F
	4.0	E	E	F	F	F	E	E	F	F	F
	5.0	E	F	F	F	G	E	E	F	F	F
	6.0	E	F	F	G	G	E	E	F	F	G
1.0	2.0	E	E	E	F	F	E	E	E	E	F
	3.0	E	E	F	F	F	E	E	E	F	F
	4.0	E	F	F	F	G	E	E	F	F	F
	5.0	E	F	F	G	G	E	E	F	F	G
	6.0	E	F	F	G	G	E	E	F	F	G
1.2	2.0	E	E	F	F	F	E	E	E	F	F
	3.0	E	E	F	F	F	E	E	F	F	F
	4.0	E	F	F	G	G	E	E	F	F	G
	5.0	E	F	F	G	G	E	E	F	F	G
	6.0	F	F	G	G	H	E	E	F	G	G
1.5	2.0	E	E	F	F	F	E	E	E	F	F
	3.0	E	F	F	F	G	E	E	F	F	F
	4.0	E	F	F	G	G	E	E	F	F	G
	5.0	F	F	G	G	H	E	E	F	G	G
	6.0	F	F	G	H	H	E	E	F	G	H
2.0	2.0	E	F	F	F	G	E	E	F	F	F
	3.0	E	F	F	G	G	E	E	F	F	G
	4.0	F	F	G	G	H	E	E	F	G	G
	5.0	F	F	G	H	H	E	E	F	G	H
	6.0	F	G	G	H	H	E	F	G	H	H
2.4	2.0	E	F	F	G	G	E	E	F	F	G
	3.0	F	F	G	G	H	E	E	F	G	G
	4.0	F	F	G	H	H	E	E	F	G	H
	5.0	F	G	G	H	H	E	F	G	H	H
	6.0	F	G	H	H	-	E	F	G	H	H
3.0	2.0	E	F	F	G	G	E	E	F	F	G
	3.0	F	F	G	H	H	E	E	F	G	H
	4.0	F	G	G	H	H	E	F	G	H	H
	5.0	F	G	H	H	-	E	F	G	H	H
	6.0	F	G	H	-	-	E	F	G	H	-
3.6	2.0	F	F	G	G	H	E	E	F	G	G
	3.0	F	F	G	H	H	E	F	G	G	H
	4.0	F	G	H	H	-	E	F	G	H	H
	5.0	F	G	H	-	-	E	F	G	H	-
	6.0	G	H	H	-	-	E	F	H	-	-
4.2	2.0	F	F	G	G	H	E	E	F	G	G
	3.0	F	G	H	H	-	E	F	G	H	H
	4.0	F	G	H	-	-	E	F	G	H	-
	5.0	G	H	H	-	-	E	F	H	-	-
	6.0	G	H	-	-	-	E	F	H	-	-
4.5	2.0	F	F	G	H	H	E	E	F	G	H
	3.0	F	G	H	H	-	E	F	G	H	H
	3.4	F	G	H	H	-	E	F	G	H	-
	4.0	F	G	H	-	-	E	F	G	H	-
	5.0	G	H	-	-	-	E	F	H	-	-
	6.0	G	H	-	-	-	E	F	H	-	-
4.8	2.0	F	F	G	H	H	E	E	F	G	H
	3.0	F	G	H	H	-	E	F	G	H	H
	3.2	F	G	H	H	-	F	F	G	H	-
	4.0	F	G	H	-	-	E	F	H	H	-
	5.0	G	H	-	-	-	E	F	H	-	-
	6.0	G	H	-	-	-	E	F	H	-	-

TYPE E
1.4kN



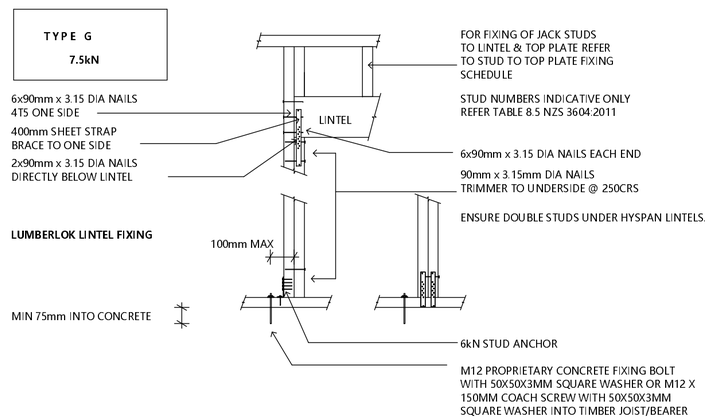
LUMBERLOK LINTEL FIXING

TYPE F
4.0kN



LUMBERLOK LINTEL FIXING

TYPE G
7.5kN



Lintel Supporting Girder Trusses:

Roof Tributary Area	Light Roof Wind Zone			Heavy Roof Wind Zone		
	L, M, H	VH	EH	L, M, H	VH	EH
8.6 m^2	G	G	H	G	G	H
11.6 m^2	G	H	H	G	G	H
12.1 m^2	G	H	H	G	H	H
15.3 m^2	H	H	-	G	H	H
19.1 m^2	H	-	-	G	H	-
20.9 m^2	H	-	-	H	H	-
21.8 m^2	H	-	-	H	-	-
34.3 m^2	-	-	-	H	-	-

Notes:
1) Roof Tributary Area = approx. 1/2 x (Total roof area on girder and rafter trusses supported by lintel)
2) Assumed girder truss is at mid-span or middle third span of lintel
3) Use similar fixings for both ends of lintel
4) All other cases require specific engineering design

J&J Architecture Ltd
NUMBER: 021031219 1
ADDRESS: P O Box 21 209, Rototuna. Hamilton
EMAIL: jeff@jjarchi.co.nz

NOTES:

LINTEL FIXING SCHEDULE

ALTERNATIVE SOLUTION TO NZS 3604:2011

1. ALL FIXING ARE DESIGNED FOR VERTICAL LOADS ONLY. DEAD LOADS INCLUDE THE ROOF WEIGHT AND STANDARD CEILING WEIGHT OF 0.20kPA
2. REFER TO TABLE 8.19 NZS 3604:2011 FOR NAILING SCHEDULE TO RESIST HORIZONTAL LOADS.
3. THESE FIXINGS ASSUME CORRECT RAFTER TO TOP PLATE CONNECTIONS HAVE BEEN MADE.
4. ALL FIXINGS ASSUME BOTTOM PLATE THICKNESS OF 45mm MAX.
5. WALL FRAMING ARRANGMENTS UNDER GIRDER TRUSSES ARE NOT COVERED IN THIS SCHEDULE.

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