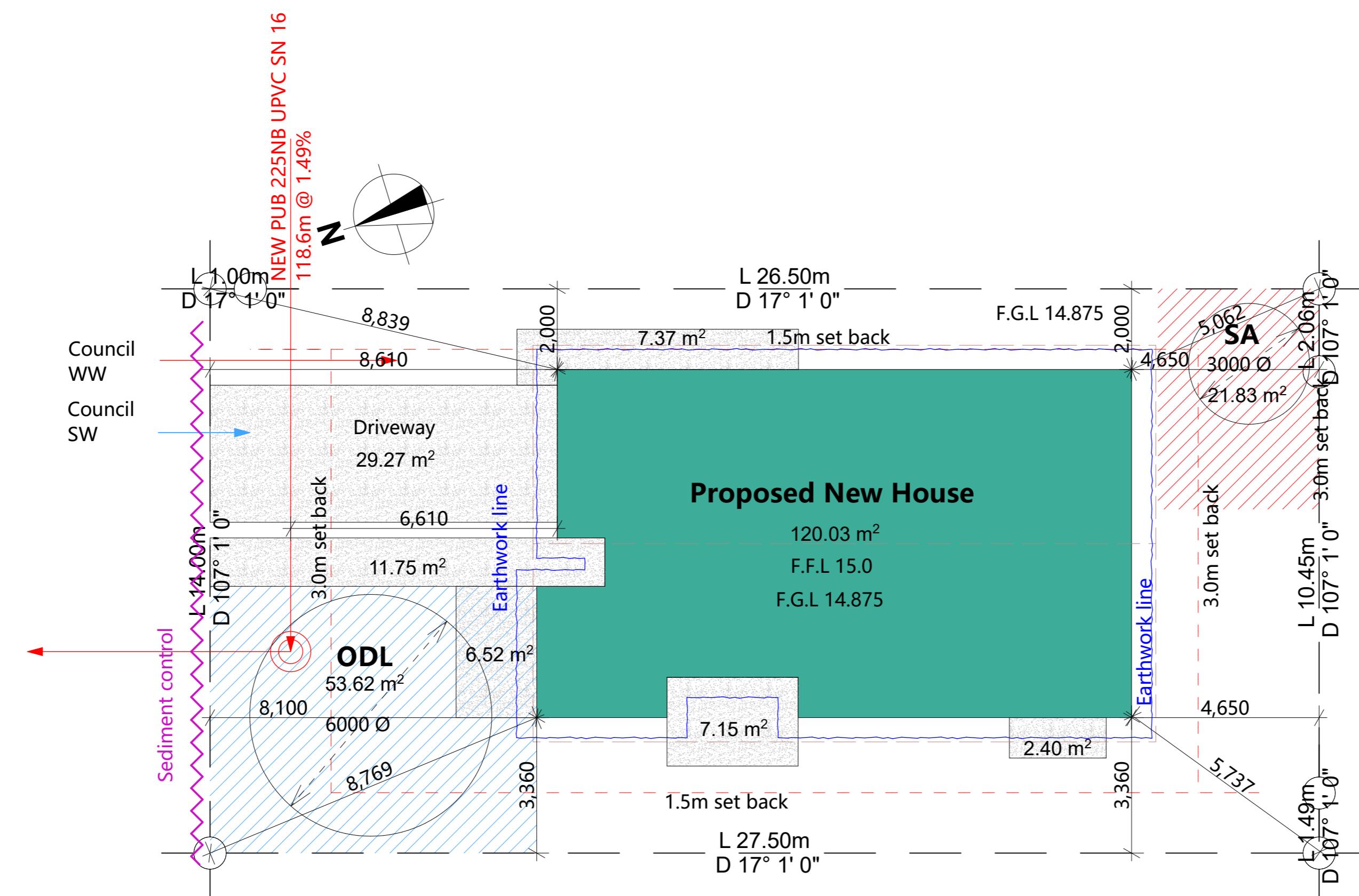


LOT 581
118 SCOTT ROAD

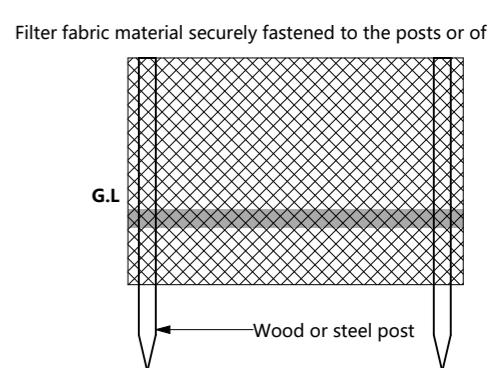
Sheet Index		
Layout ID	Current Revision ID	Layout Name
		Cover Page
A6		Ground Floor Dim Plan
A101		Site Plan
A102		Site Landscaping Plan
A103		Ground Floor Plan
A104		Ground Floor Plumbing Plan
A105		Ground Floor Foundation Plan
A106		Roof Plan
A107		Ground Floor Bracing Plan
A108		Ground Floor Electrical Plan
A201		Elevations
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A402		Foundation Details
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A404		Roof Details
A405		Cladding Details
A406		Cladding Details
A407		Cladding Details
A408		Fixing Details
A409		Fixing Details
A410		Fixing Details

Scott Road



Site Plan Notes:	
Legal Description	
Street:	118 Scott Road
Lot:	581
DPS:	571030
Site Area:	385.00 m ²
Floor Area:	120.03m ²
Site Coverage:	31.1%
Driveway:	29.27m ²
Concrete Pad:	28.67m ²
Impermeable Surface:	53.7%
Wind Zone:	H
Wind Region:	A
Earthquake Zone:	Zone 1
Exposure Zone:	Zone B
Climate Zone:	Zone 2
Zone:	Residential Zone
Site Note:	
1	Contractor to double check datum and all levels.
2	Refer to survey plan for accurate contours.
3	Drain layer to locate connection on site before commencing 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 NZS3604 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.

K E Y :	
Outdoor Living area	
Service area	
Concrete driveway	
Earthwork:	
Area:	120m ²
Cut deep:	0.2m(soil report)
Fill:	0.1m
Volume:	36m ³



Sediment control

DO NOT SCALE DRAWINGS.
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Site Plan

Project
LOT 581, 118 Scott Road,
TE KAUWHATA

REVISION

DATE
26/09/2025

Detailed design

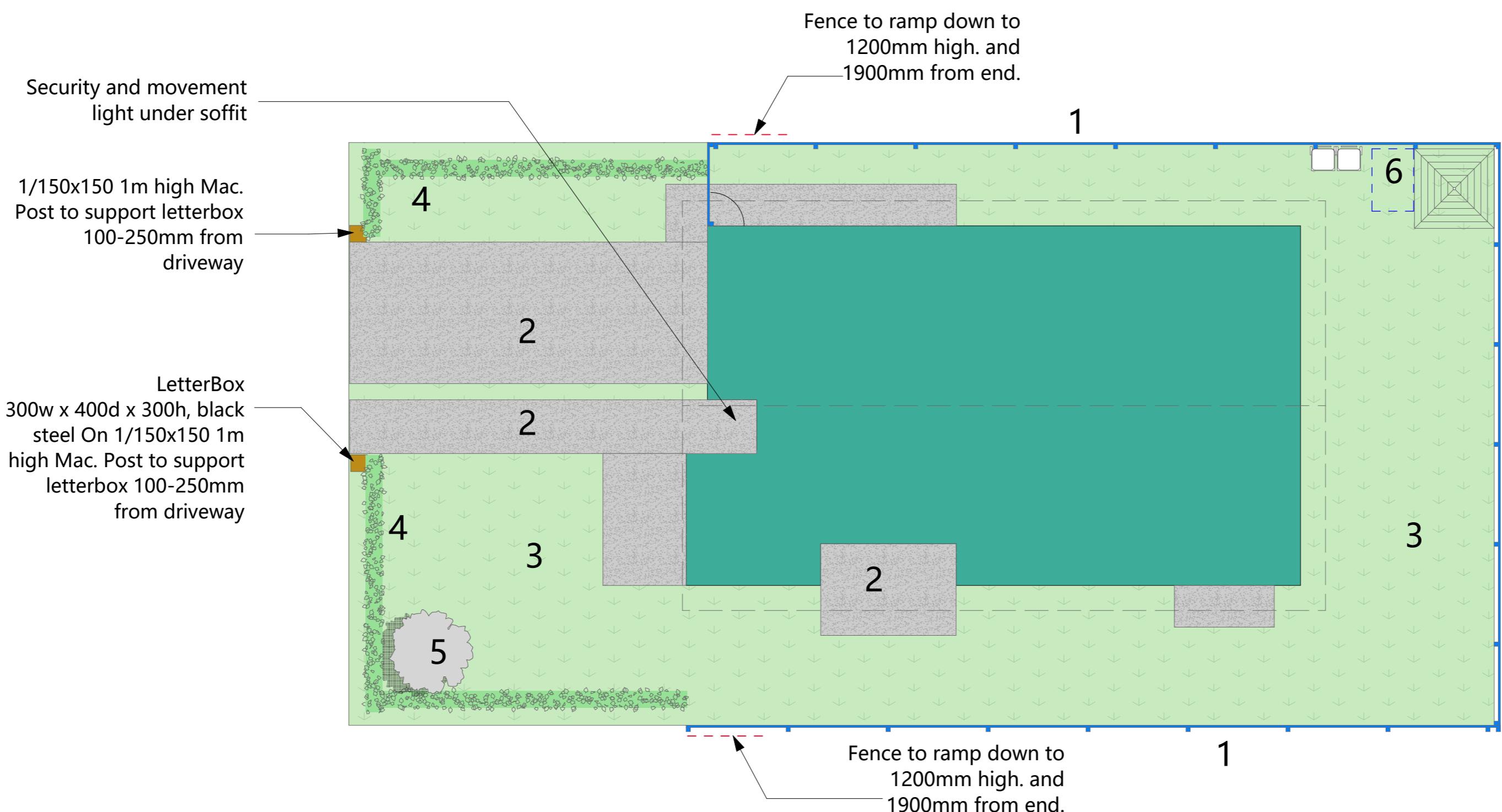
REVISION

SCALE @ A2

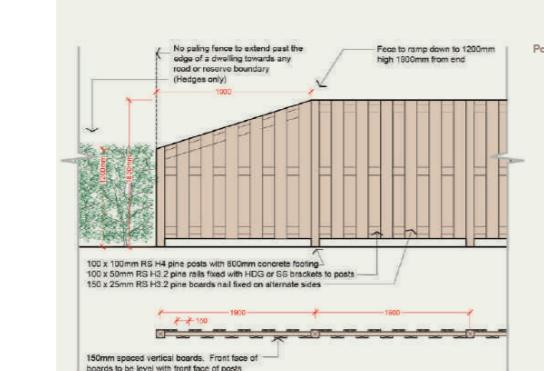
1 : 100 , 1 : 20

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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.



Concrete



Site Landscaping Plan

Project

LOT 581, 118 Scott Road,
TE KAUWHATA

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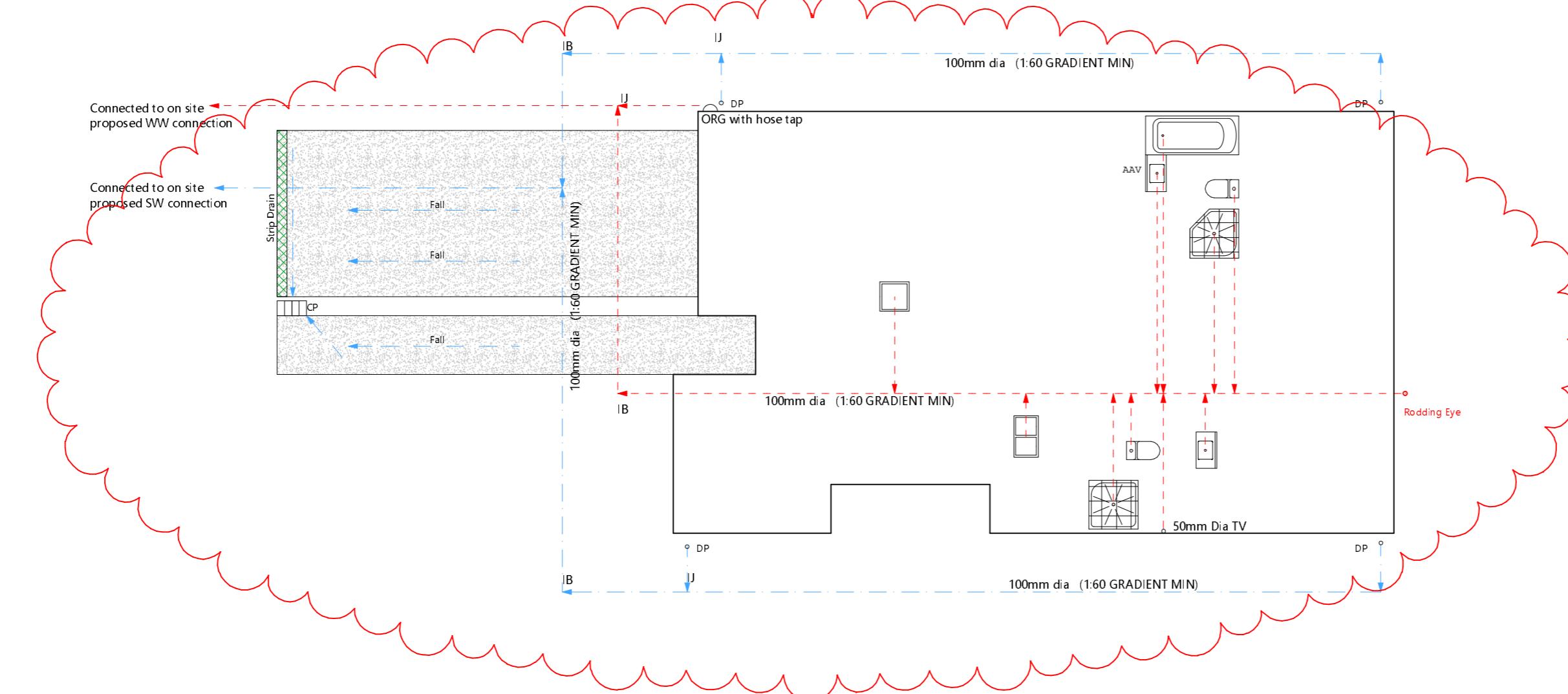
A102



Floor Plan Notes:	
External Walls:	1 All works to comply with NZS 3604:2011 and NZBC.
R2.2 Wall Insulation	2 Do Not scale off drawing.
Roof Area:	3 Contractor shall verify and be responsible for all dimensions on site.
R7.0 Roof insulation	4 Architects to be notified of any variation between site dimensions and those on plans.
R3.6 Roof insulation on edge	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.
Box:	6 Kitchen facilities to comply with NZBC G3/AS1.
Kingspan KS1000RW	7 Laundry facilities to comply with NZBC G2/AS1.
ation:	8 All wet area must to comply with NZBC E3/AS1 and concrete tile over all.
R1.2 Firth Ribraft Foundation	9 External Moisture to comply with NZBC E2/AS1
er Treatment	10 Internal Moisture to comply with NZBC E3/AS1
er	11 All smoke Alarm to be Interconnected smoke alarms to comply with NZBC C1/AS1 and NZS4514:2001.
frame	12 STUDS & STUD HEIGHTS:
area Wall Frame	- All walls to be 90x45 SG8 studs @ 600 crs (245mm stud height).Nogs @ 800mm crs (max).
as	- All bottom plates to be H1.2 90x45, fixed with LUMBERLOK BOTTOM PLATE FIXINGS anchor in galv mild steel.
ns	13 All showers to be safety glass panel with ceramic tiles to comply with F2/AS1.
g: 60x10 PINE SINGLE BEVEL	14 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.
grave: 60x10 PINE SINGLE BEVEL	15 All External 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.
: 75 Gib Cove	16 All External windows and doors to be aluminium joinery. and all Glass to be Doubled / Low E3 / Clear with Gas :Argon. and all alumminium frame to be thermally broken. it have to be comply with NZBC H1.
Area	All Frist Floor windows opening to be have restricor fitted.
X-Applicator-Guang Zhou-0462	17 All ventilation to be comply with G4/AS1 & AS1668.
area to be waterproofing with "ARDEX"	18 All internal door to be 1980mm height.
brane under tile area. Install waterproof	19 All Ceiling batten need to be 70x35 H1.2 @ 600 crs with 13mm Gib, or @ 400 crs with 10mm Gib.
ranes to: 1800mm above	
300mm minimum up the wall behind	
uity. and 1500mm above the F.F.L.	
Y :	
ce Detector	
oor Tap	
Board	
Board	
g Access	
Gas HW System	
nditioner Outlet	
st Fan	
ates	
/s for showers and baths, and	
/s for cooktops.	

Window & Door Schedule						
V&D #	Size HxW	Glazing	G/Type	Lintel Size	Lintel Fixing	Notes
D1-1	2170x910	Double	Opaque/Safety	2/90x45	F	
D1-2	2170x2400		Sectional	2/190x45	G	
D1-3	2170x860	Double	Opaque/Safety	2/90x45	F	
V1-1	1270x1600	Double	Clear	2/140x45	F	
V1-2	1170x1600	Double	Opaque/Safety	2/140x45	F	
V1-3	1270x1600	Double	Clear	2/140x45	F	
D1-4	2170x2000	Double	Clear/Safety	2/140x45	F	
V1-4	670x1200	Double	Opaque/Safety	2/140x45	F	
D1-5	2170x2200	Double	Clear/Safety	2/190x45	F	
D1-6	2170x2200	Double	Clear/Safety	2/190x45	F	

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



Plumbing Legend & Schematic		
Piping type	Pipe	Min. Gradient
C	100mm Dia	1:60
th	40mm Dia	1:40
asin	40mm Dia	1:40
ower	40mm Dia	1:40
ns	40mm Dia	1:40
ub	40mm Dia	1:40
ashing LDY	40mm Dia	1:40
anch Drains	65mm Dia	1:40
T.	100mm Dia	1:60
ain Drain	100mm Dia	1:60

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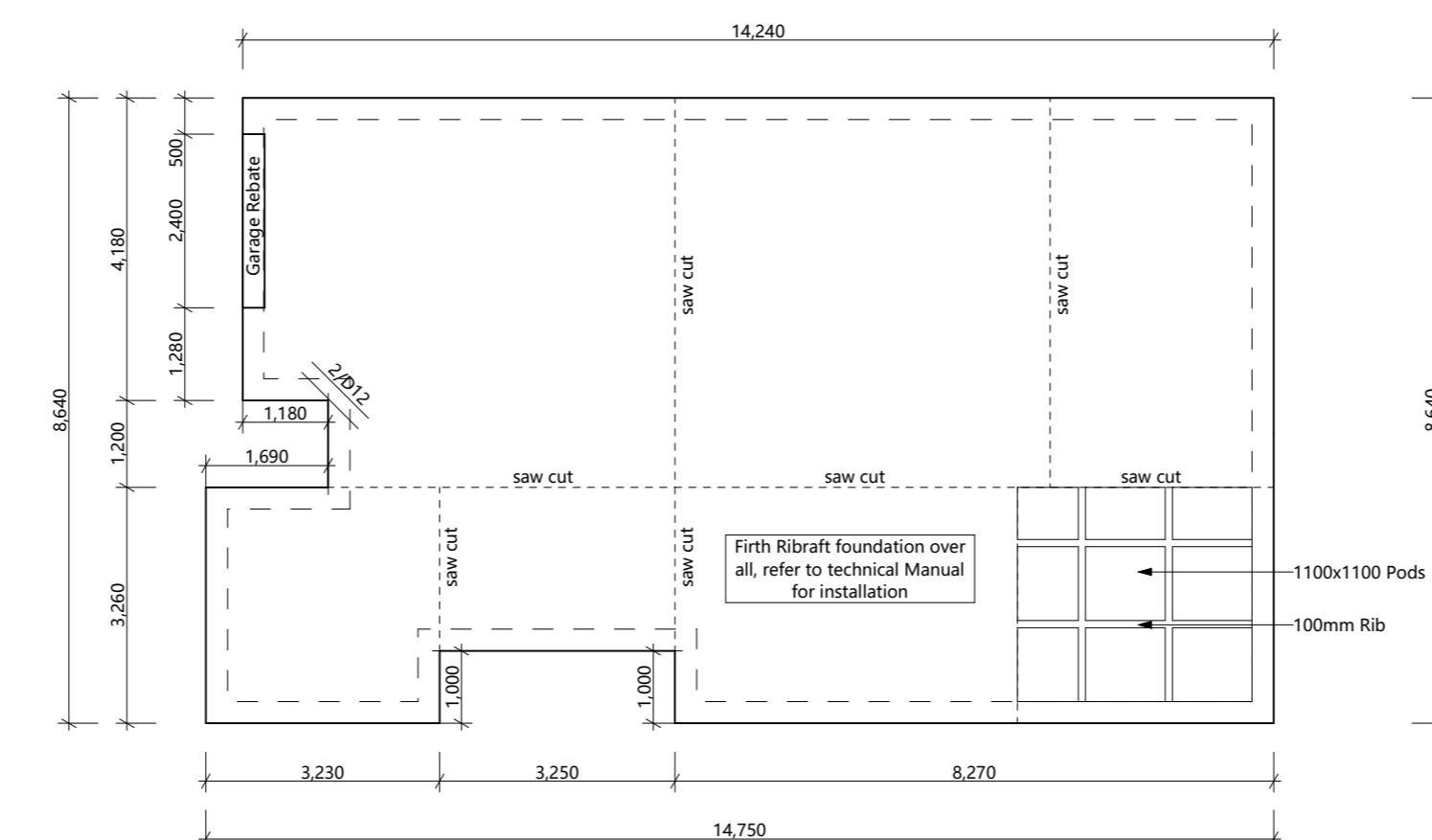
Ground Floor Plumbing Plan

ire

LOT 581, 118 Scott Road,
TE KAUWHATA

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- 1 Building setout and floor levels to be established by a registered surveyor.
- 2 All works to be comply with NZS: 3604 2011. Sand pad refer to engineer Goete report.
- 3 All internal load bearing wall location refer to percut and tress manufacturer design layout for point load. And slab thickenings to comply with NZS:3604.2011
- 4 Foundation have to use FIRTH Ribraft foundation system, and Firth Concrete. Details refer to technical manual, and System to be comply with Codemark.



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Ground Floor Foundation Plan
Project **LOT 581, 118 Scott Road,
TE KAUWHATA**

REVISION

DATE
26/09/2025

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26/09/2025

Detailed design

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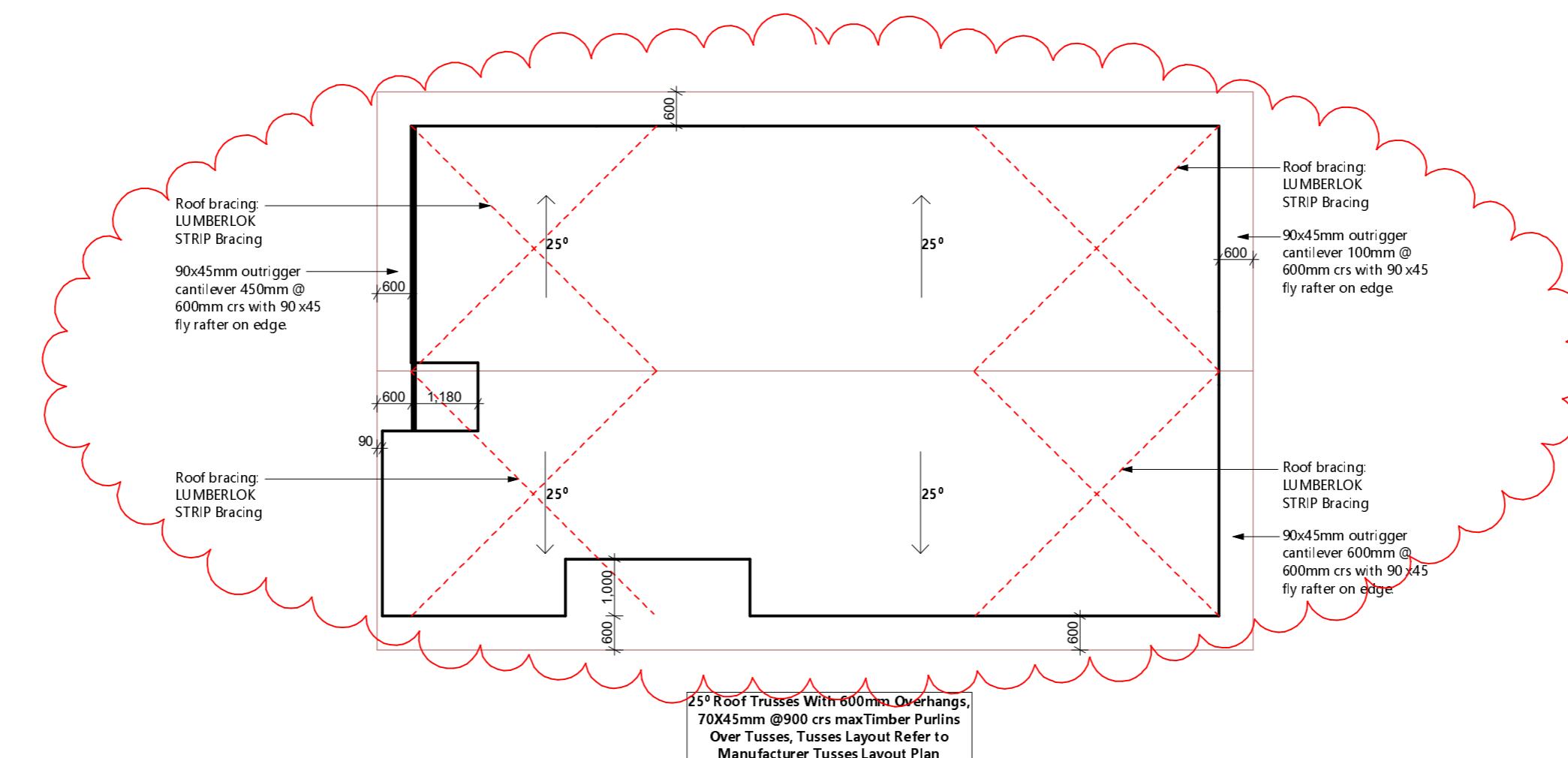
1 : 100

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Roof Notes:

- 1 Each spreader to drain 25m² of roof area only.
- 2 Refer 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.

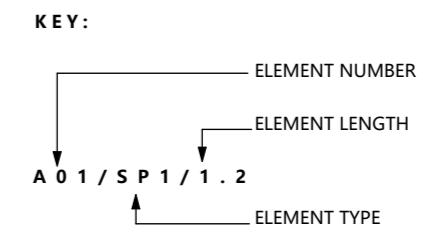


Roof:	
Gutter:(Caurter round)	152m ² & 25 degree
Area:	5958mm ²
Caurter round Gutter:	25m ²
E1 table 15:	
Down pipe:	(100mmDia)
100mmDP:	130m ²
One Roof:	2x downpipe

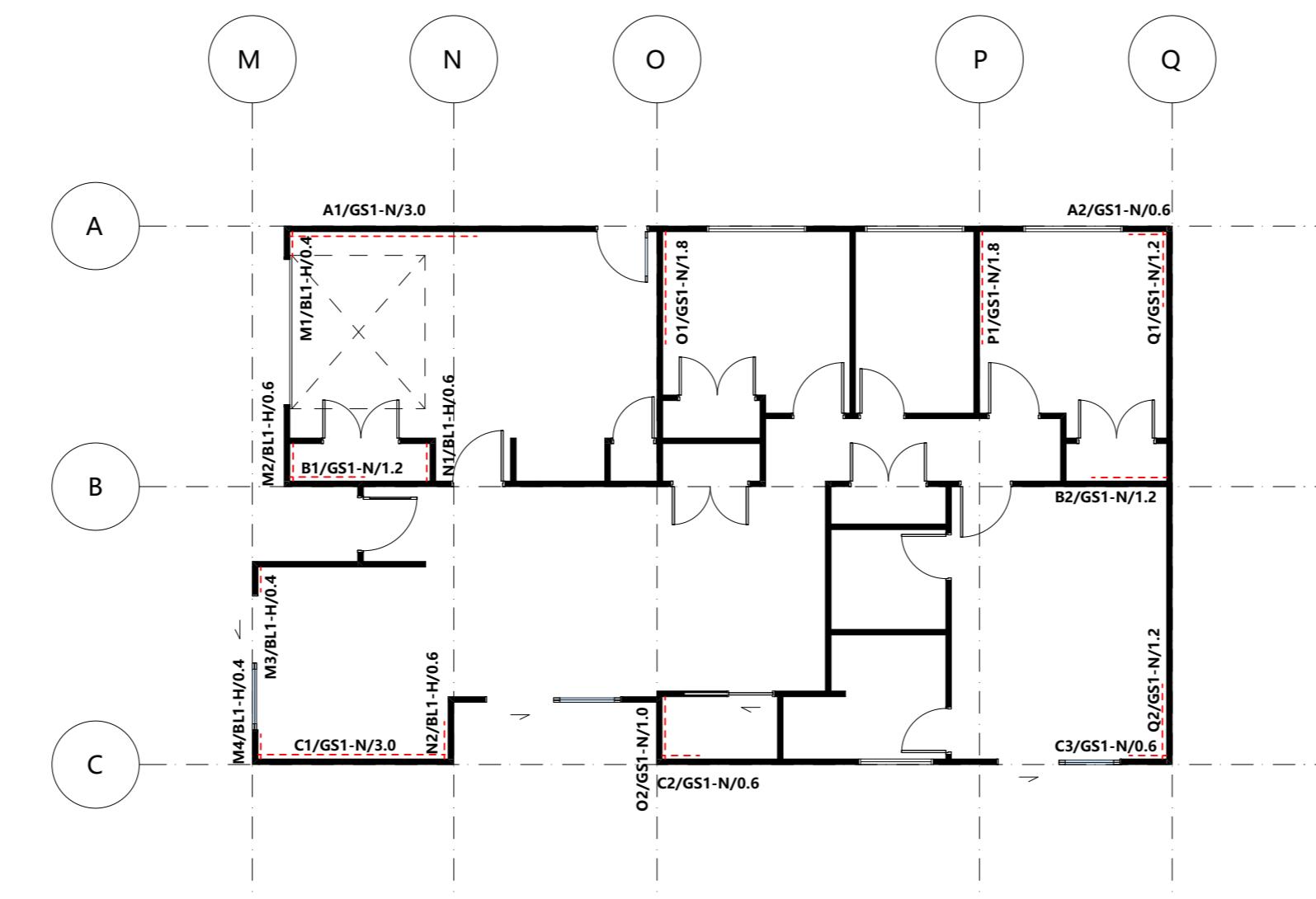
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Bracing Plan Notes:
All bracing elements to comply with NZBC
B2, Durability requirement not less than 50
years.
All plywood bracing elements to be H3.2
TREATED



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Ground Floor Bracing Plan

Project

LOT 581, 118 Scott Road,
TE KAUWHATA

REVISION

DATE

REVISION

Detailed design

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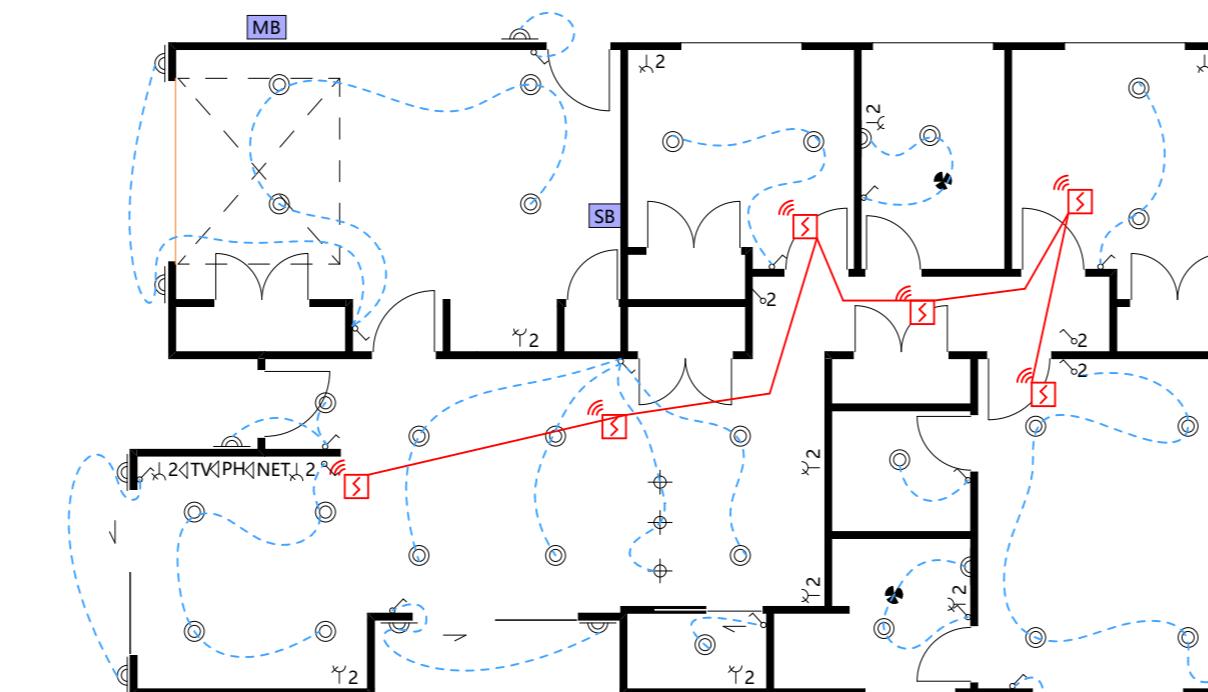
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Electrical Notes:

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. Provide wiring to infinity gas system
4. CA 80 and CA 135 rated downlight to be used.
5. All downlight have to be IC rated to be cover by insulation.



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
- Fire Alarm

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Ground Floor Electrical Plan
Project **LOT 581, 118 Scott Road,
TE KAUWHATA**

REVISION

Detailed design

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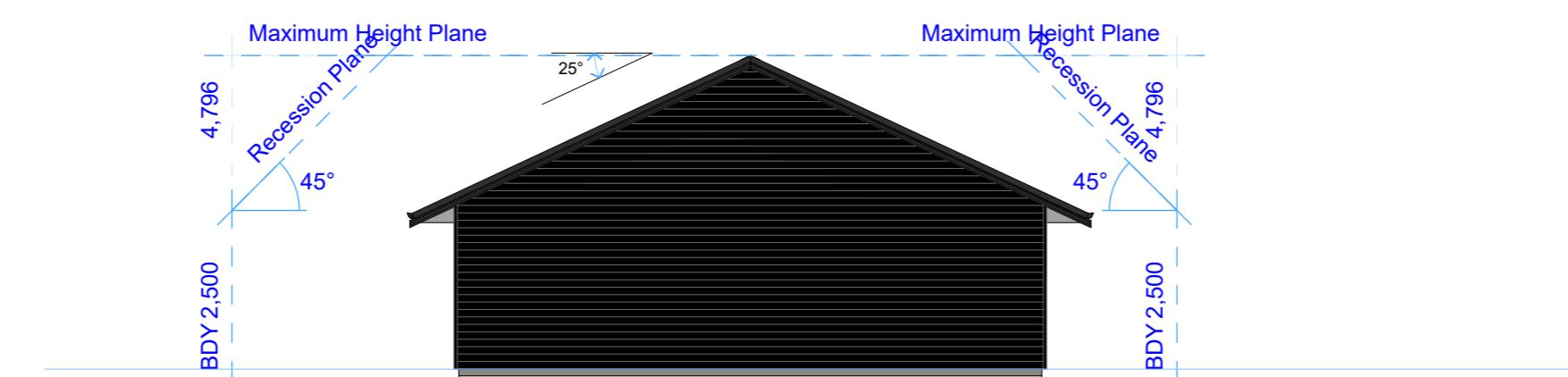
26/09/2025

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East Elevation

1:100



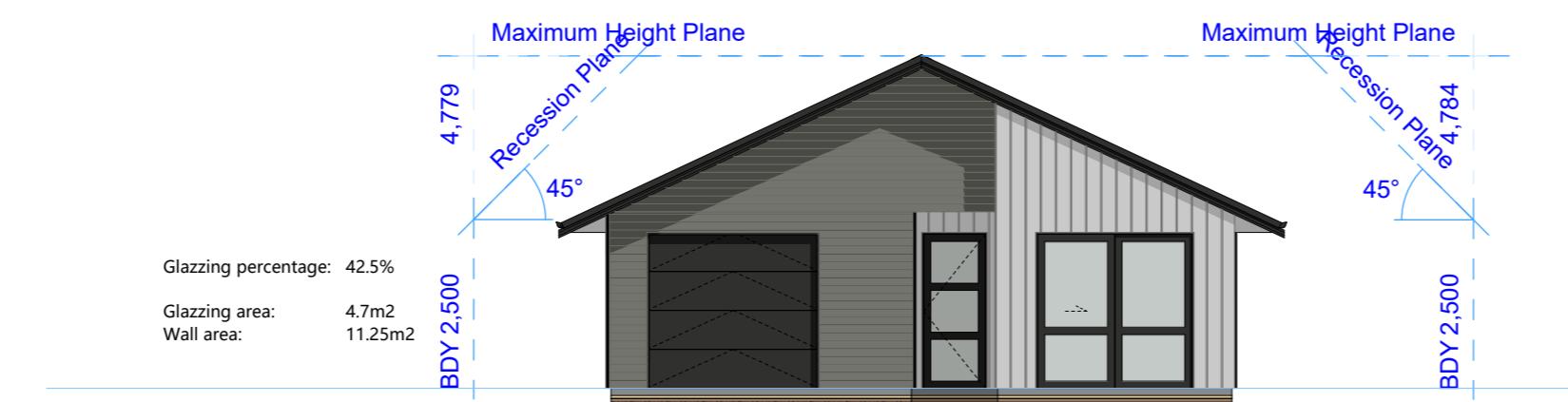
South Elevation

1:100



West Elevation

1:100



North Elevation

1:100

Cladding Notes:		
1	Selected BGC Stratum WEATHERBOARD with 20mm cavity over THERMAKRAFT WATERGATE Plus* building paper. Which show on the elevation.	
2	Selected BGC Nuline WEATHERBOARD with 20mm cavity over THERMAKRAFT WATERGATE Plus* building paper. Which show on the elevation.	
3	Selected Colorsteel Longrun Roofing over Thermakraft Covertek 401* roof underlay with 25° 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.	

Risk Factor	Description	Risk Score
Wind Zone	High	M 1
Number of Storeys	Single Storey	L 0
Roof/Wall Intersection Design	Fully exposed (e.g. parapets, exposed boundaries or eaves at greater than 90 degrees to soffit lining)	H 3
Eaves Width	450mm - 600mm wide	M 1
Envelope Complexity	Moderately complex shape with no more than 2 cladding types.	M 1
Deck Design	None	L 0

Total Score: 6

Selected Claddings:
1. Vertical timber board & batten direct fixed
2. Plywood sheet direct fixed

Cladding LEGEND:

Selected Colorsteel Longrun Roofing			Dulux Ebony LRV Values 5
Selected Nuline™ Plus Weatherboard with 20mm cavity			Dulux Shag Rock Colour Values R 96 G 92 B 88 LRV Values 15
Selected Stratum™ Weatherboard with 20mm cavity			Dulux Manorburn Colour Values R 208 G 209 B 206 LRV Values 67
All External window and door frame			Dulux Ebony LRV Values 5
Selected Nuline™ Plus Weatherboard with 20mm cavity			Dulux Ebony LRV Values 5

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Elevations

Project
LOT 581, 118 Scott Road,
TE KAUWHATA

REVISION

DATE

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26/09/2025

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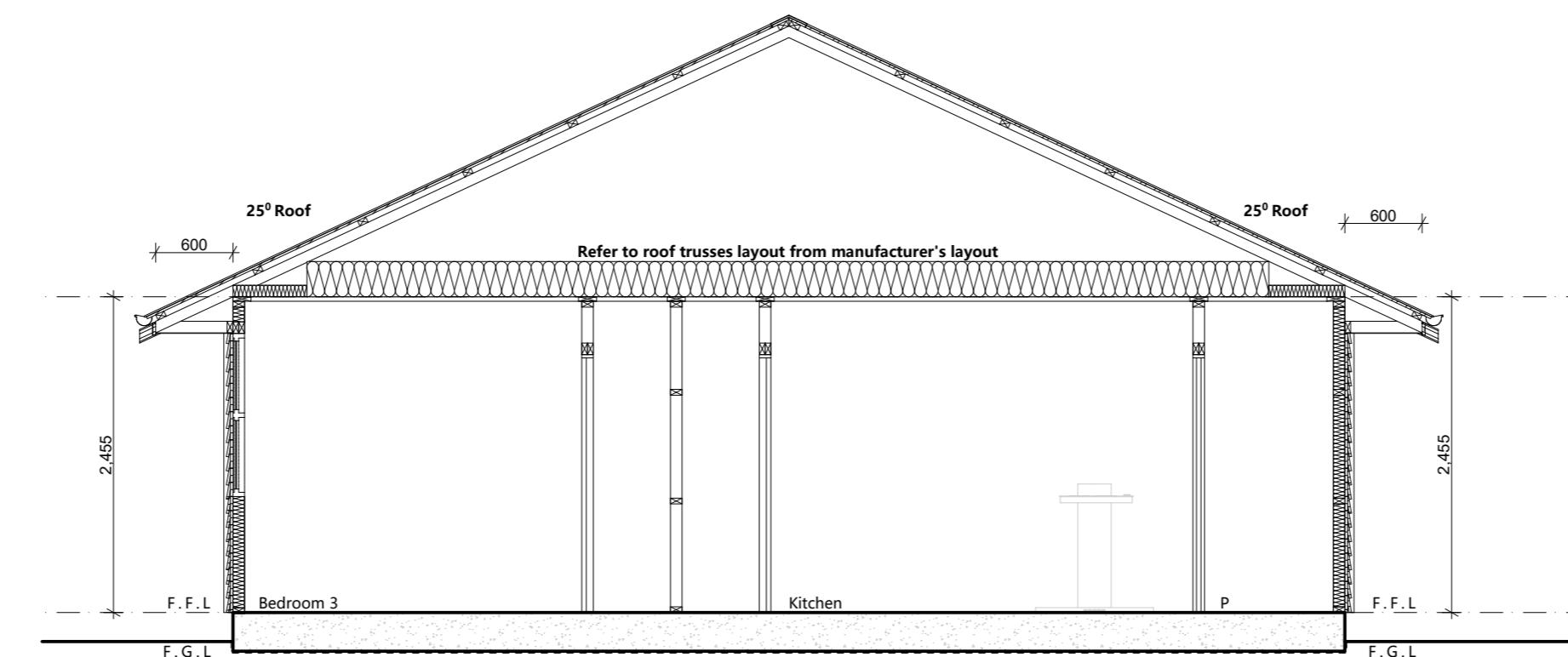
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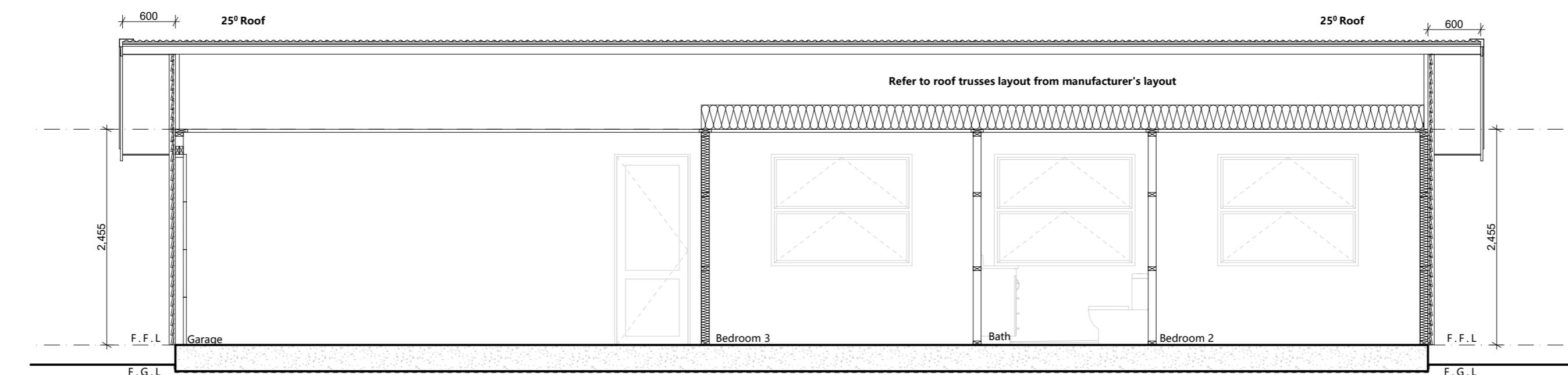
A201

Cladding Notes:

- Selected BGC Stratum WEATHERBOARD with 20mm cavity over "THERMAKRAFT WATERGATE Plus" building paper. Which show on the elevation.
- Selected BGC Nuline WEATHERBOARD with 20mm cavity over "THERMAKRAFT WATERGATE Plus" building paper. Which show on the elevation.
- Selected Colorsteel Longrun Roofing over "Thermakraft Covertek 401" roof underlay with 25° roof pitch. Which show on the elevation.
- Selected COLORSTEEL 1/4 ROUND GUTTER over COLORSTEEL FASCIA. With 80mm Dia downpipes. Which show on the elevation.
- Refer to window and door schedule for joinery tapes and size.



C Section S1 1:50

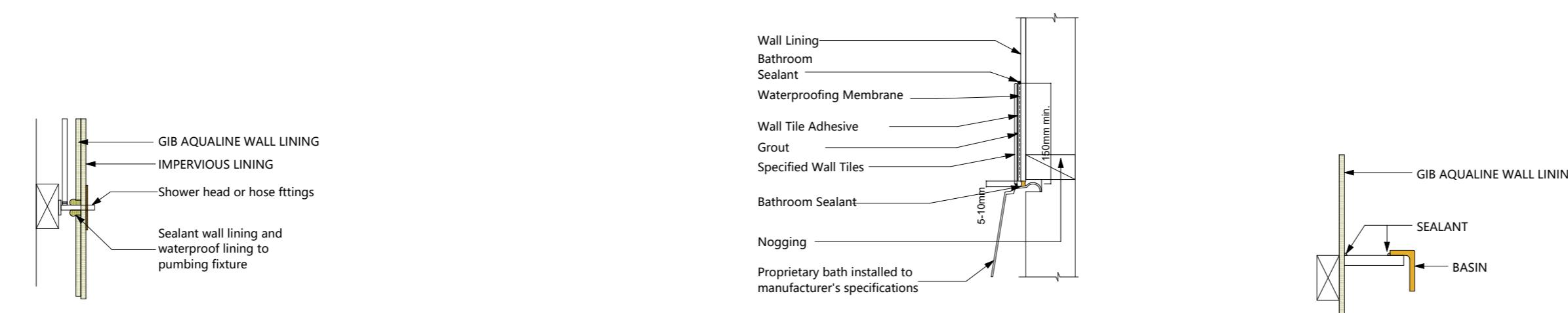
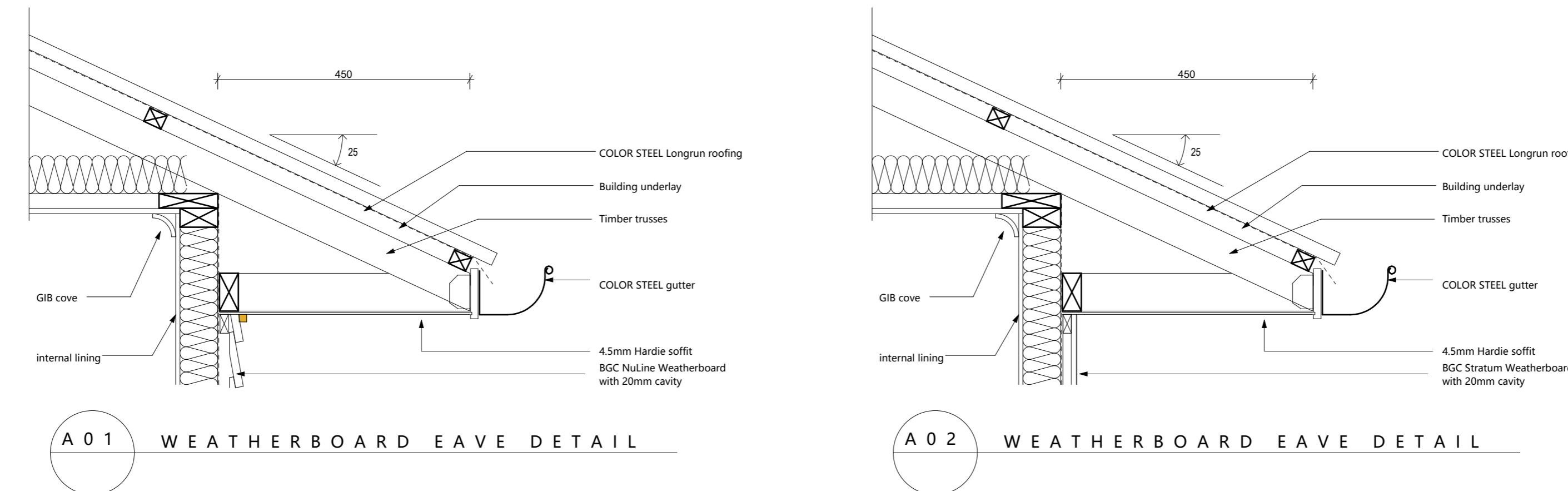


B Section S2 1:50

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Sections		REVISION	Detailed design		SCALE @ A2
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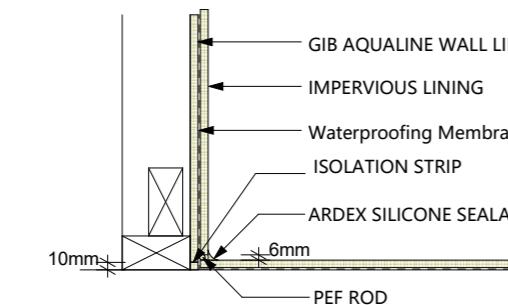


SHOWER PIPE PENETRATION

SCALE 1:10

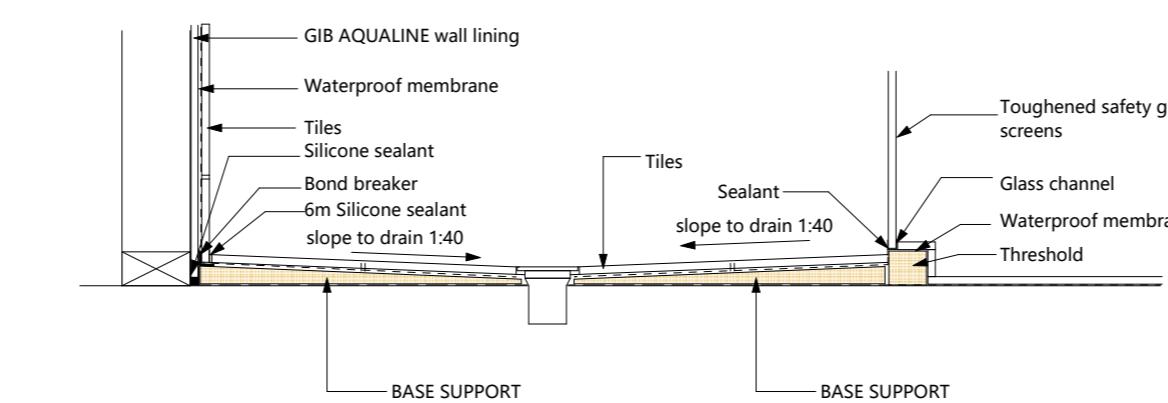
BATH TO WALL DETAILS

BASIN DETAILS



FLOOR TO WALL DETAILS

SCALE 1:10



SHOWER BASE DETAILS

SCALE 1:10

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Details

Project
LOT 581, 118 Scott Road,
TE KAUWHATA

REVISION

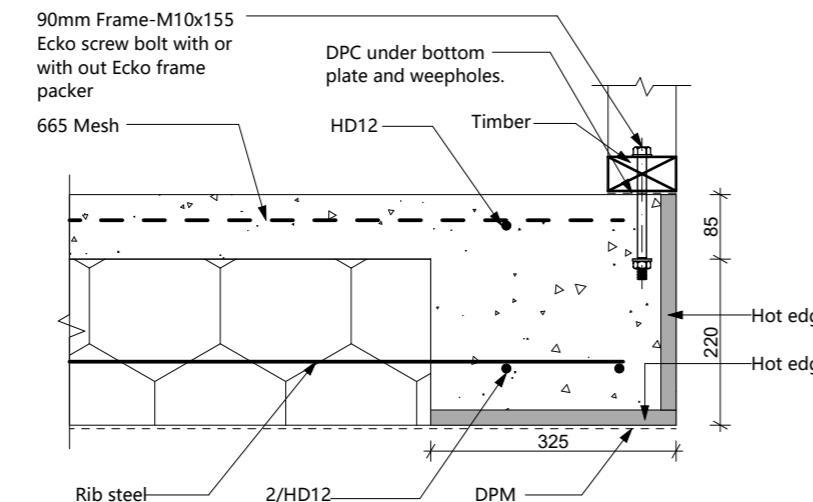
Detailed design
DATE: 26/09/2025
REVISION

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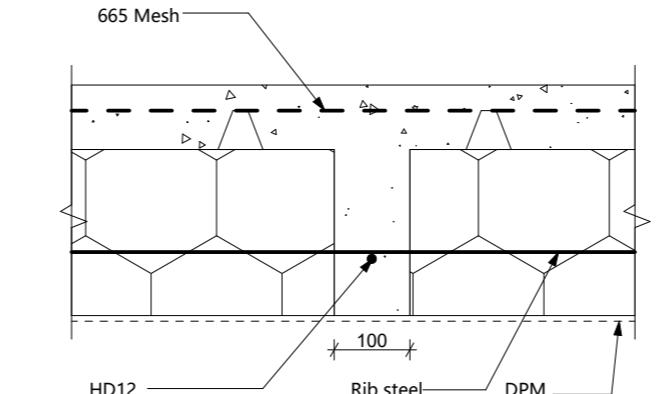
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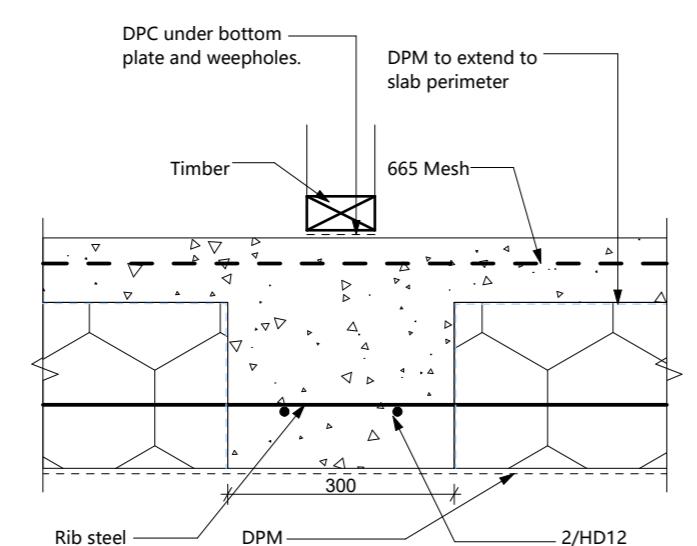
A401



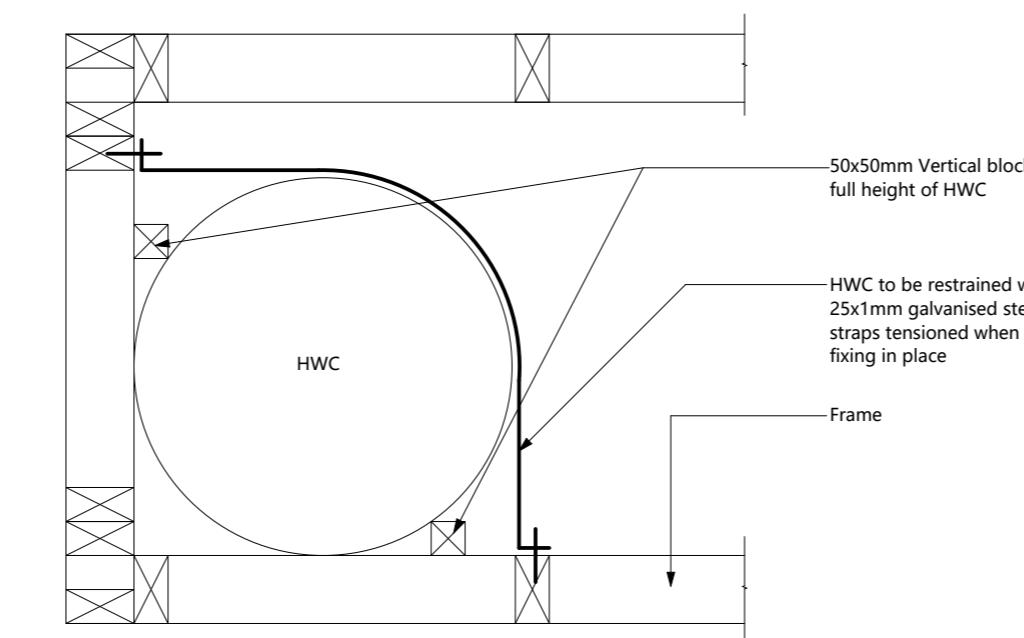
RIB RAFT FOOTING DETAIL



INTERNAL RIB DETAIL



INTERNAL RIB-beam DETAIL



HWC SEISMIC RESTRAINT

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Foundation Details

Project

LOT 581, 118 Scott Road,
TE KAUWHATA

REVISION

Detailed design

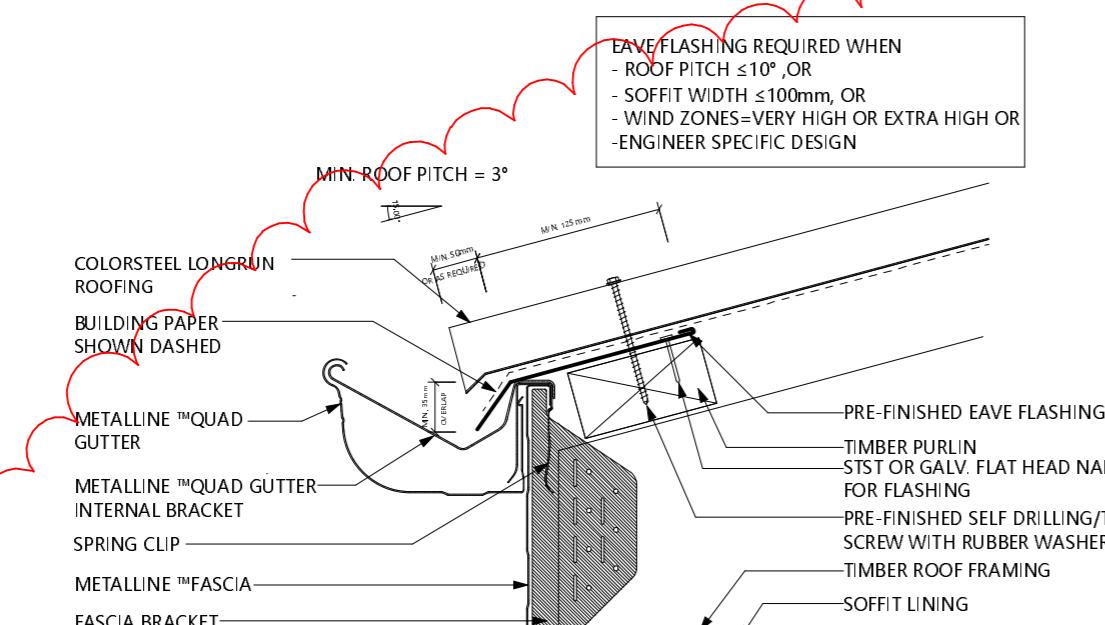
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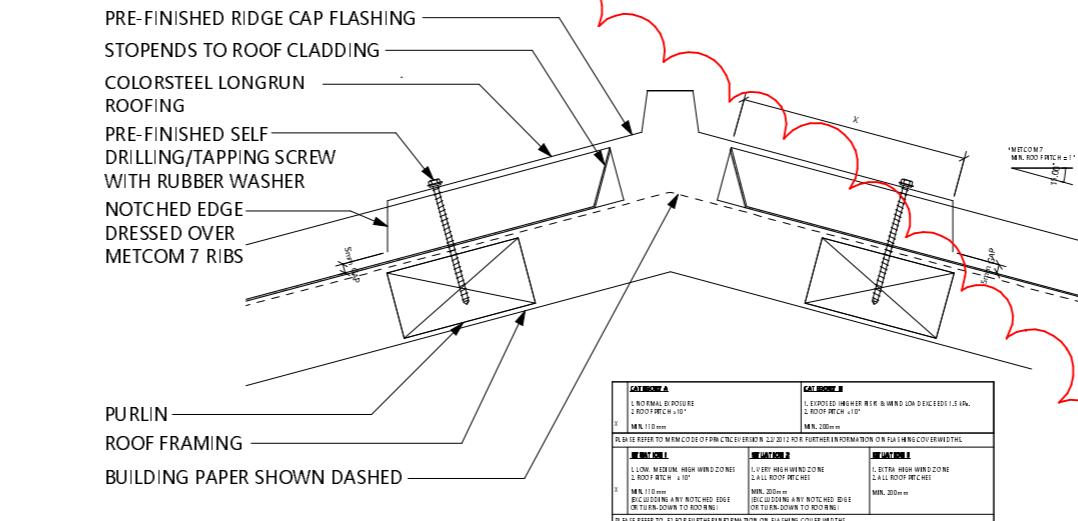
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A402



E A V E W I T H M E T A L L I N E F A S C I A



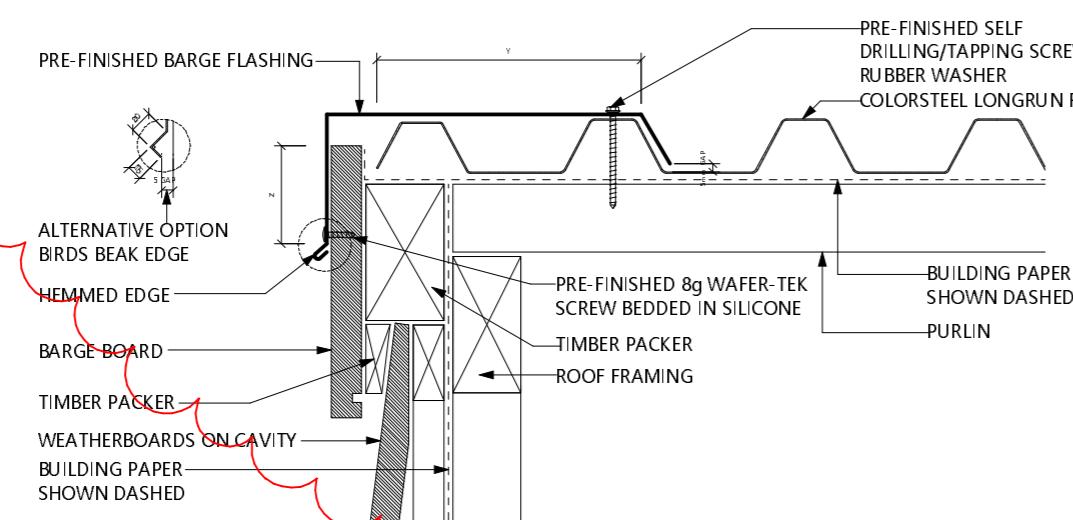
R O O F R I D G E

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 Z MIN. 50mm	AT LEAST TWO CRESTS MIN. 70mm	AT LEAST TWO CRESTS MIN. 90mm

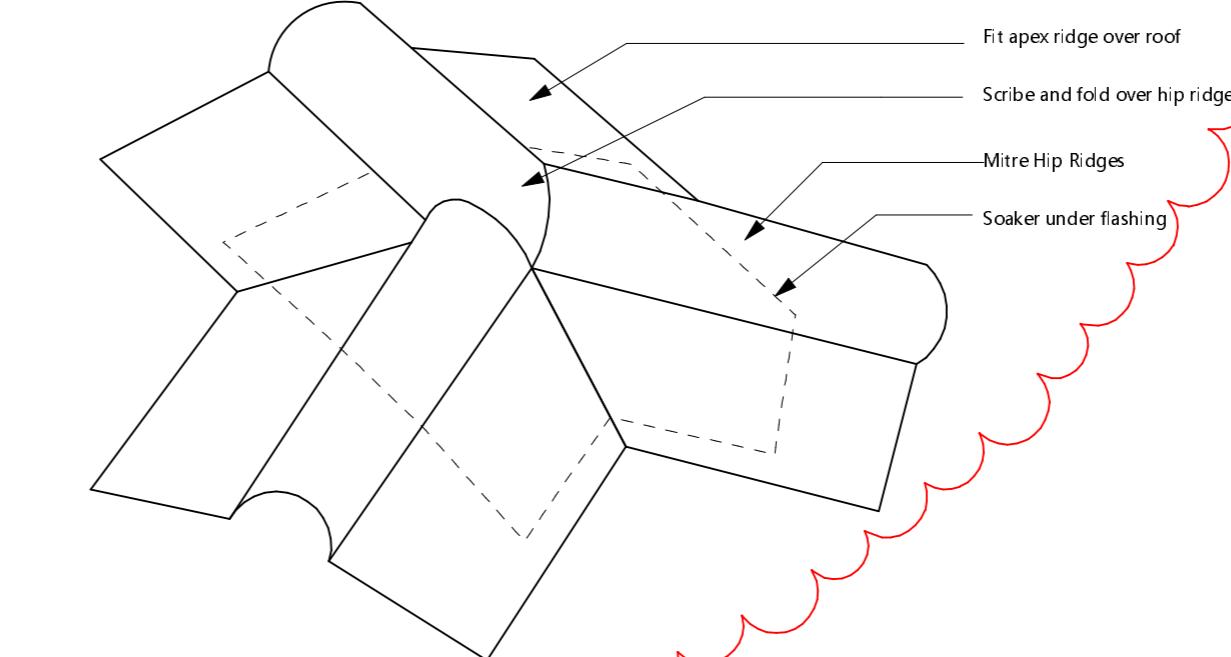
PLEASE REFER TO E2 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

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° ONE RIB (TRAPEZOIDAL & TRAY) 2 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)

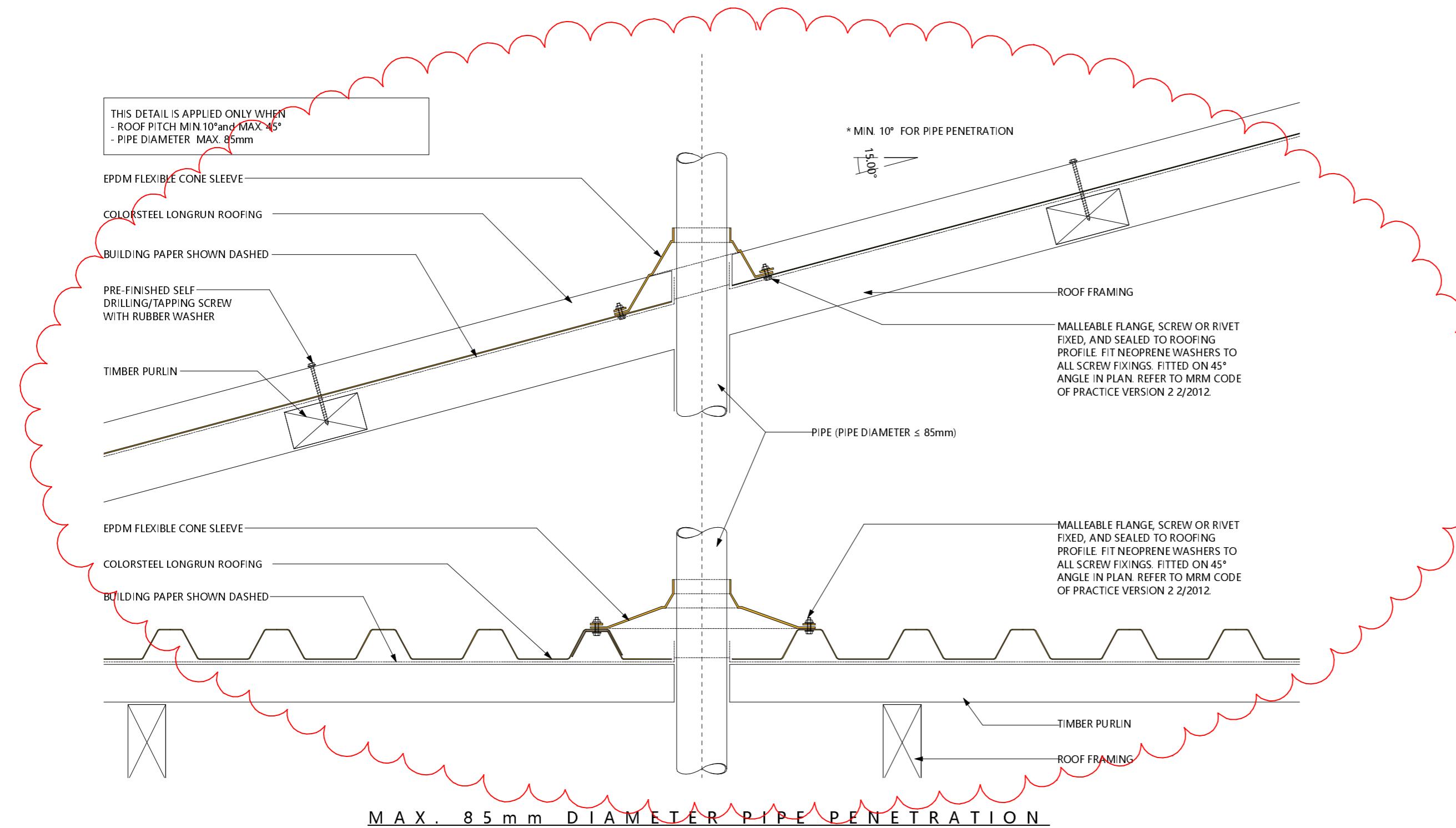
PLEASE REFER TO MRM CODE OF PRACTICE VERSION 2.2/2012 FOR FURTHER INFORMATION ON FLASHING COVER WIDTHS.

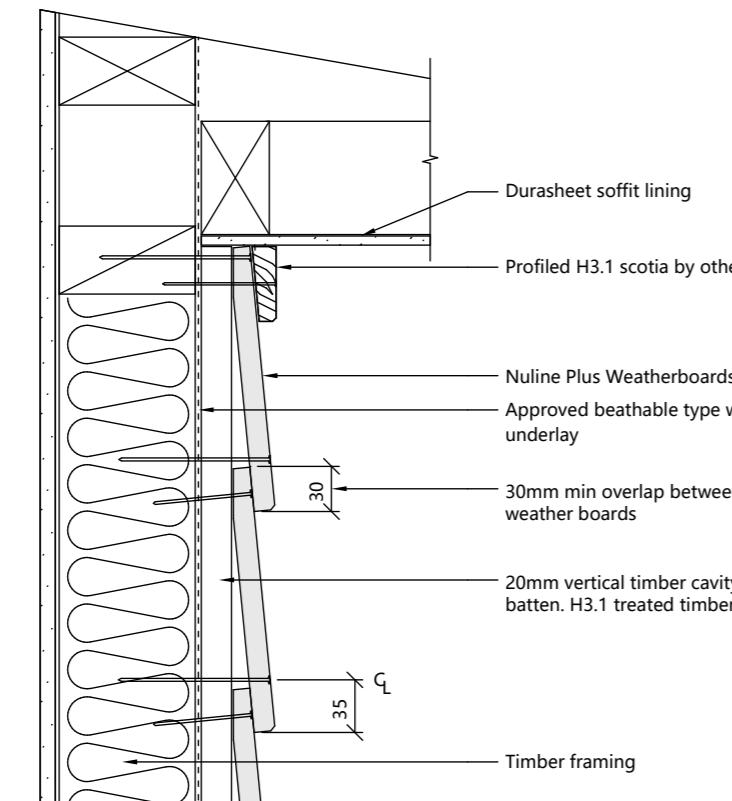


B A R G E W I T H P R O F I L E D C L A D D I N G

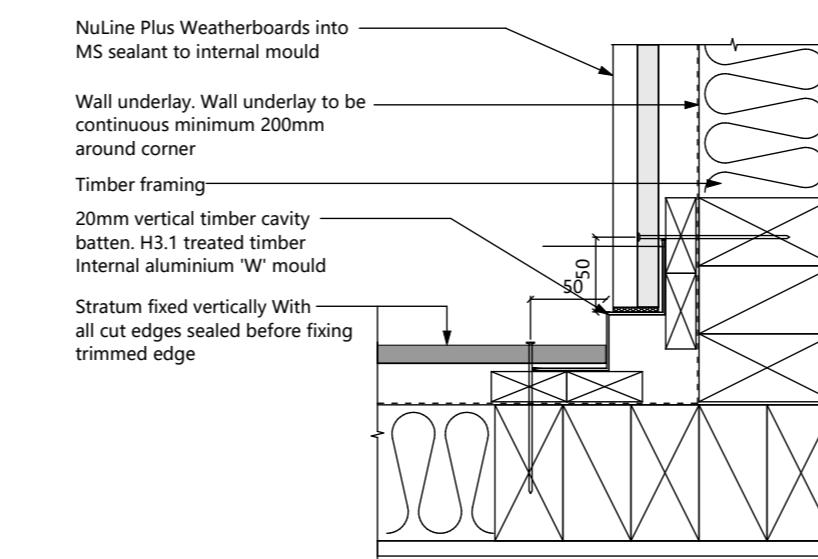


M e t a l R o o f i n g r i d g e f l a s h i n g

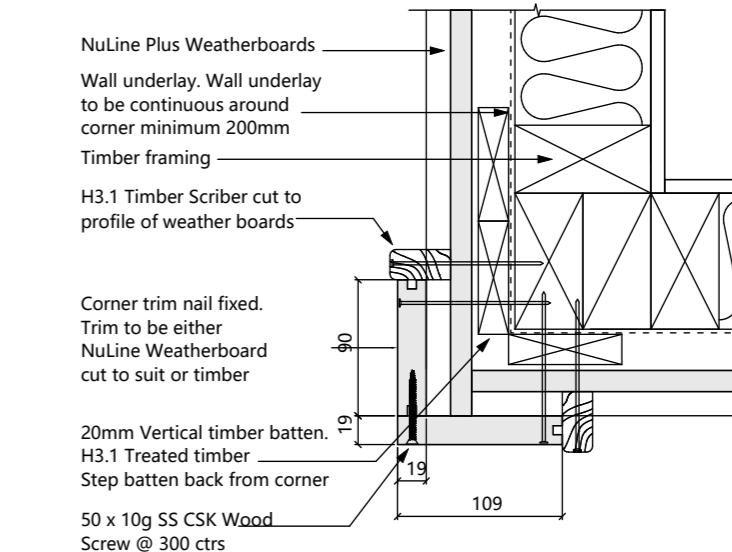




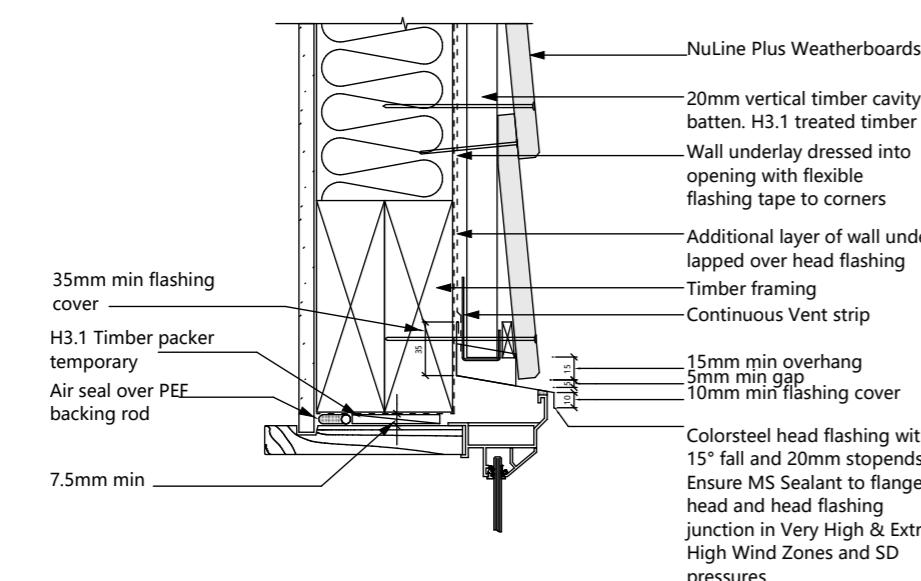
Soffit Detail



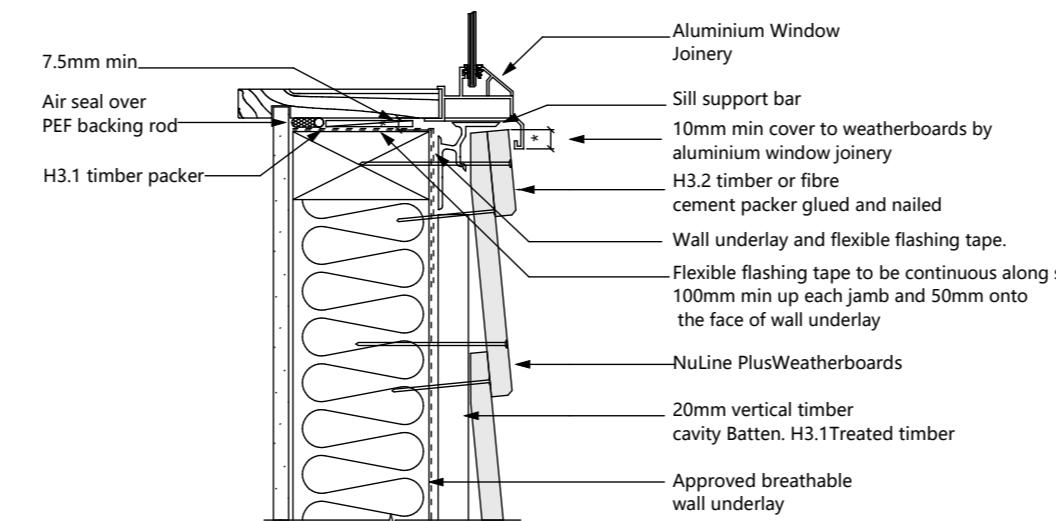
Internal Corner Detail with Profile



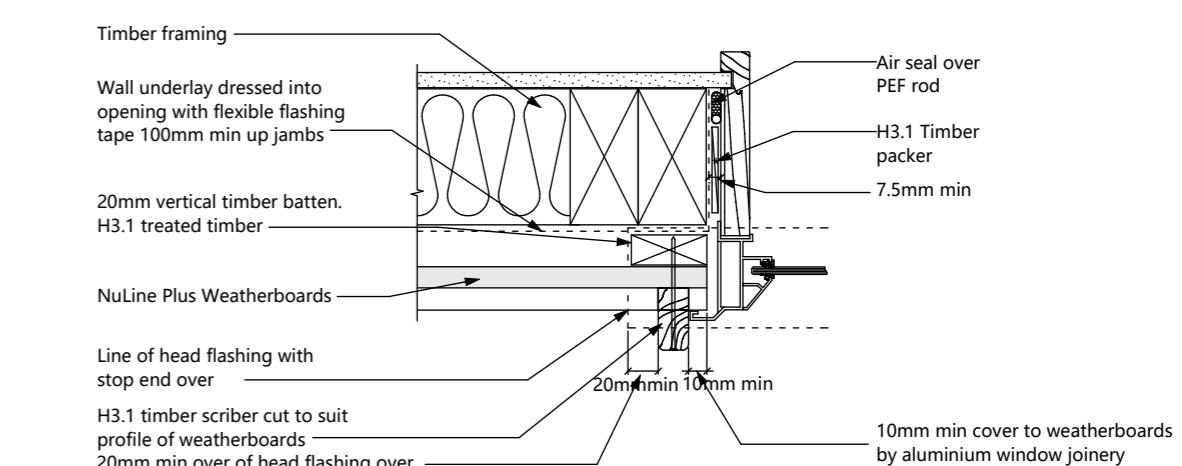
External Boxed Corner



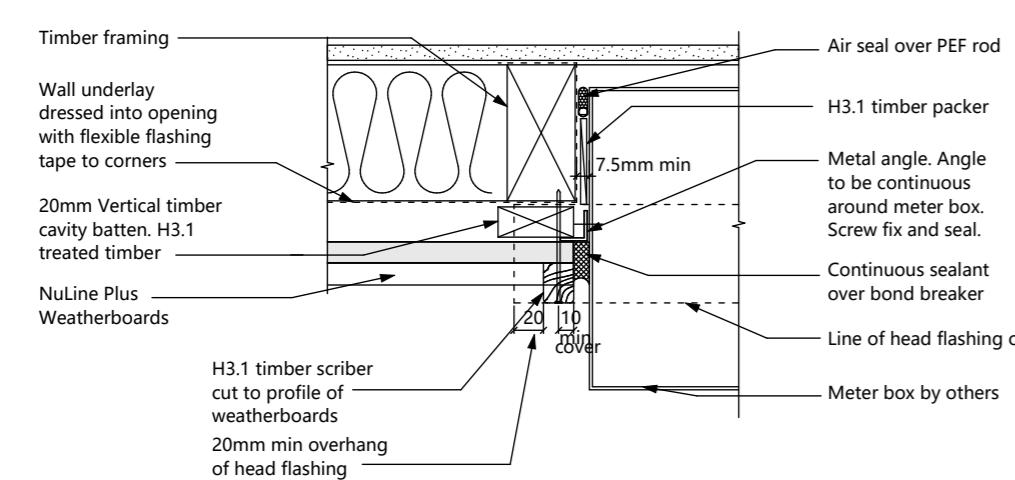
Window Head



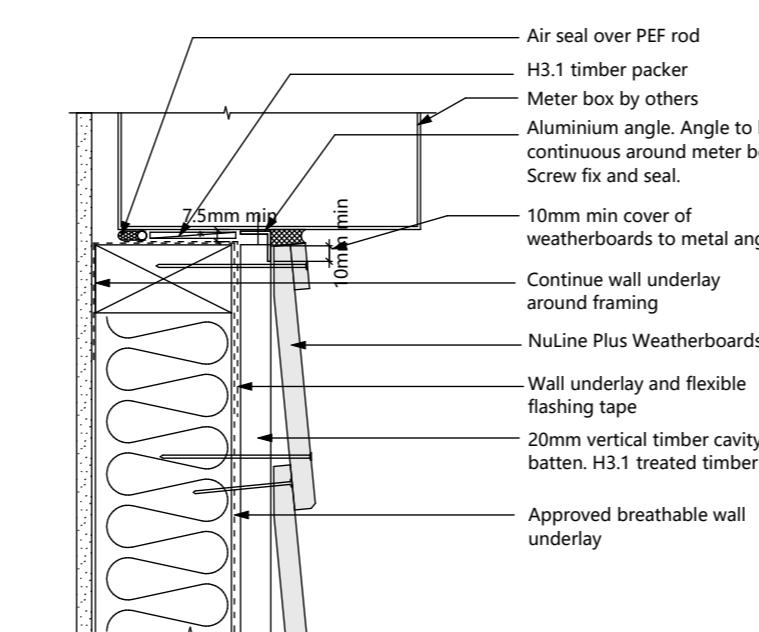
Window Sill



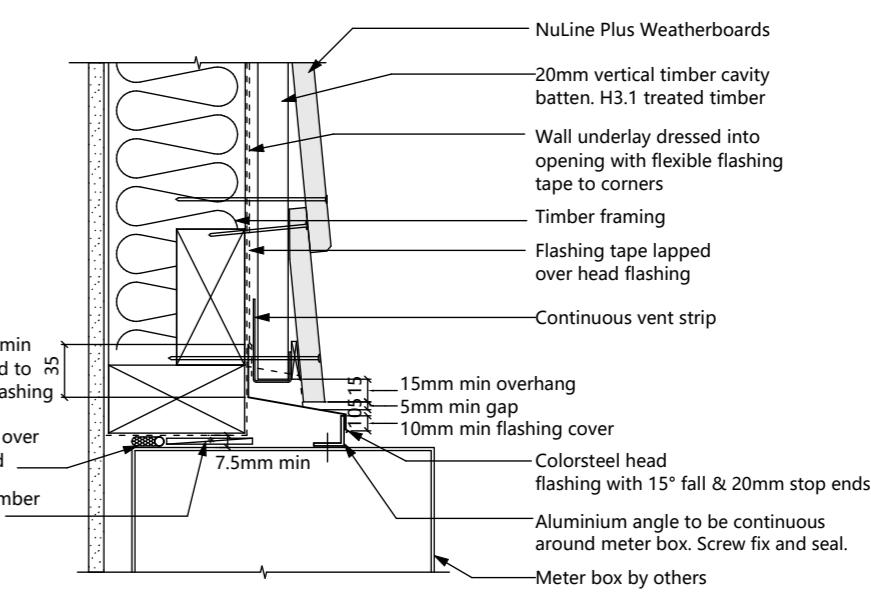
Window Jamb



Meter Box Jamb

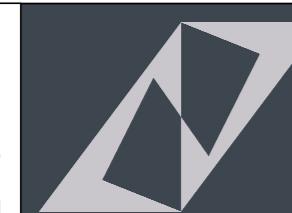


Meter Box Sill



Meter Box Head

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J&J Architecture
NUMBER: 0210312191
ADDRESS: Level 2, 452 Borman Road, Flagstaff, Hamilton, 3210
EMAIL: jeff@jjarchi.co.nz

Cladding Details

Project
LOT 581, 118 Scott Road,
TE KAUWHATA

REVISION

DATE
26/09/2025

Detailed design

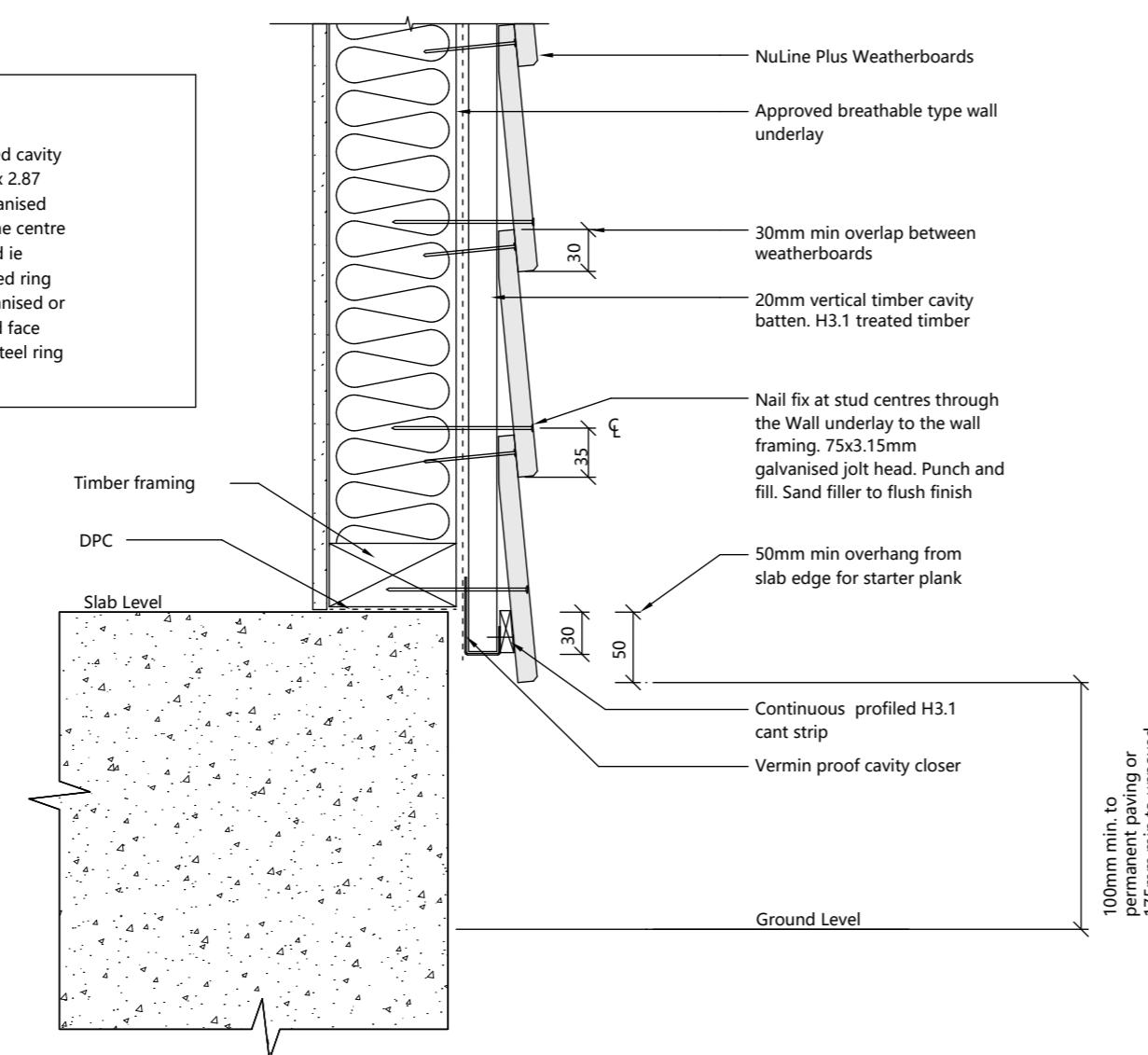
REVISION
26/09/2025

SCALE @ A2

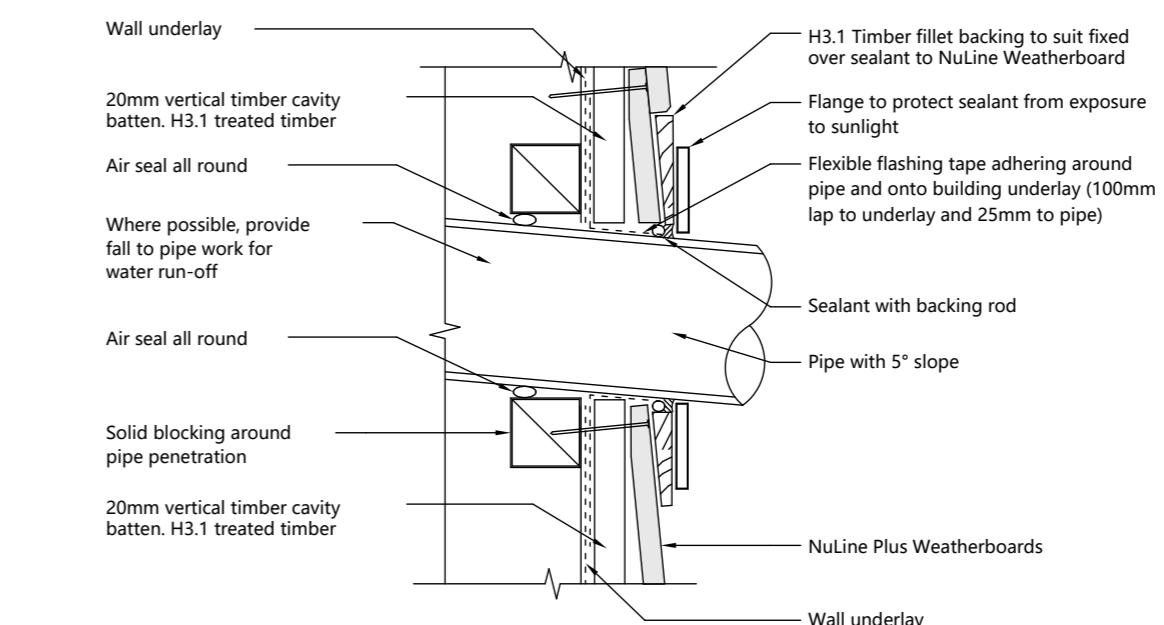
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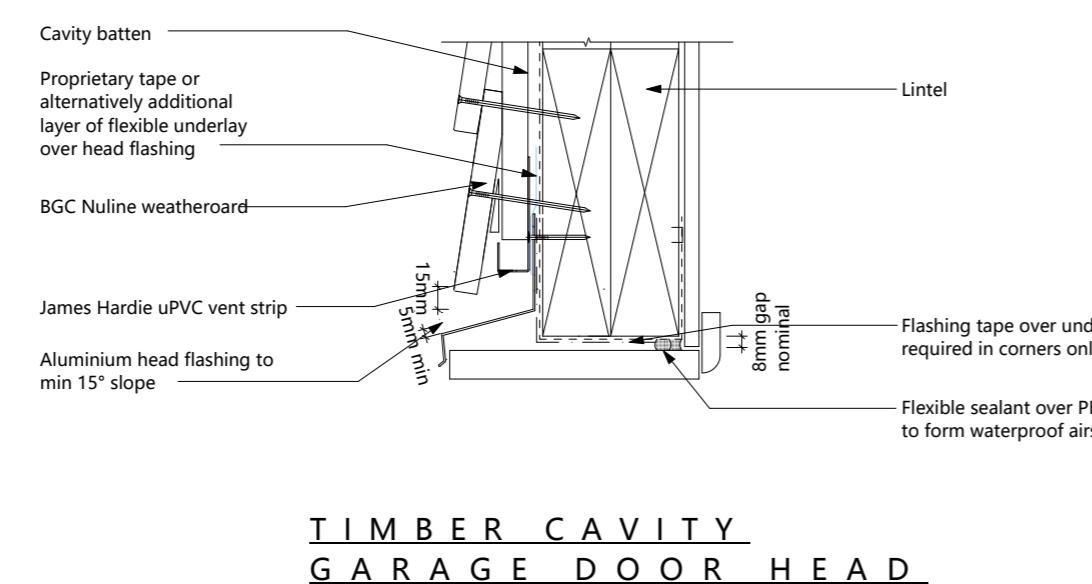
Fixing option.
If Nuline Plus is installed on structurally fixed cavity battens (fixed at 300mm centres with a 65 x 2.87 RoundDrive Ring Shank Nail or 60 x 2.8 galvanised jolt head nails offset 12mm either side of the centre line), then direct fixed nail sizes can be used ie concealed nail - 50 x 2.87 Paslode Galvanised ring shank D-head gun nail or 50 x 2.8mm galvanised or Stainless Steel ring shank, flat head nail and face nail - 60 x 3.15mm galvanised or stainless steel ring shank jolt head nail



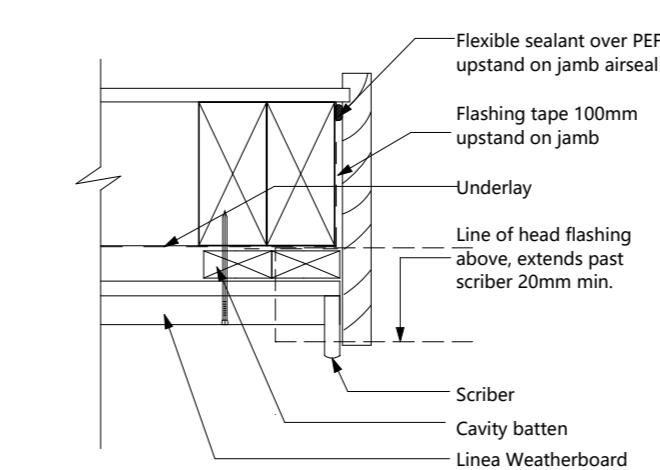
Foundation Detail



Pipe Penetration Detail

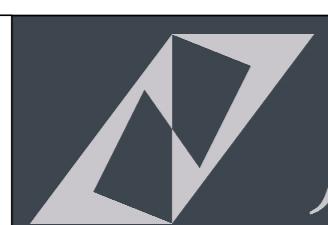


TIMBER CAVITY
GARAGE DOOR HEAD



TIMBER CAVITY
GARAGE DOOR JAMB

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SCALE @ A2

1 : 5

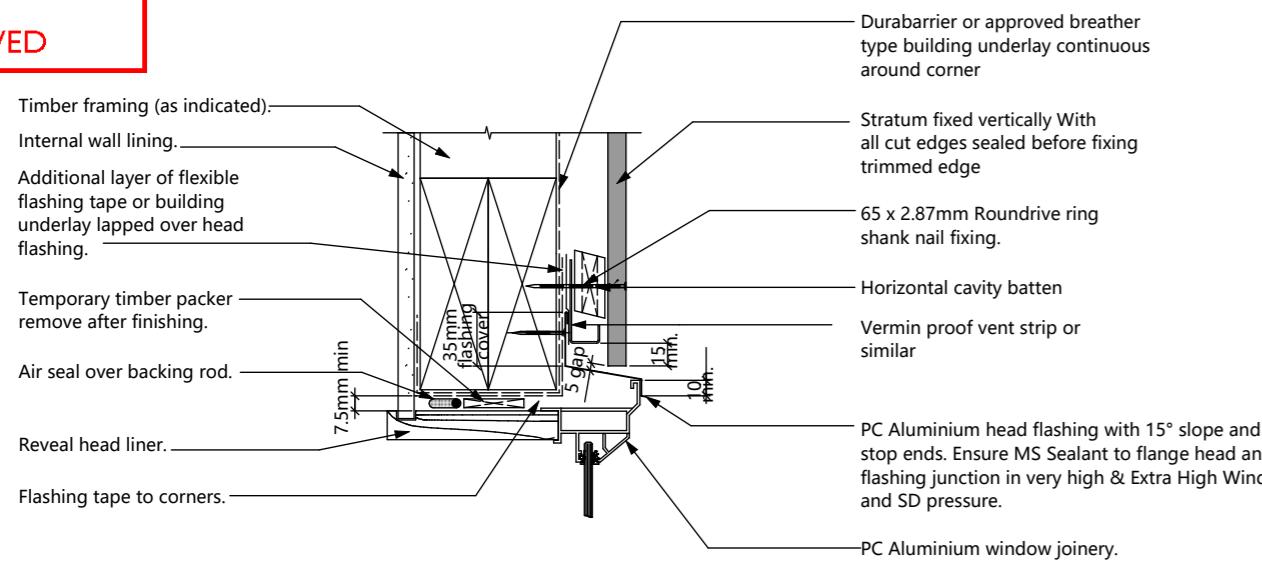
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DATE
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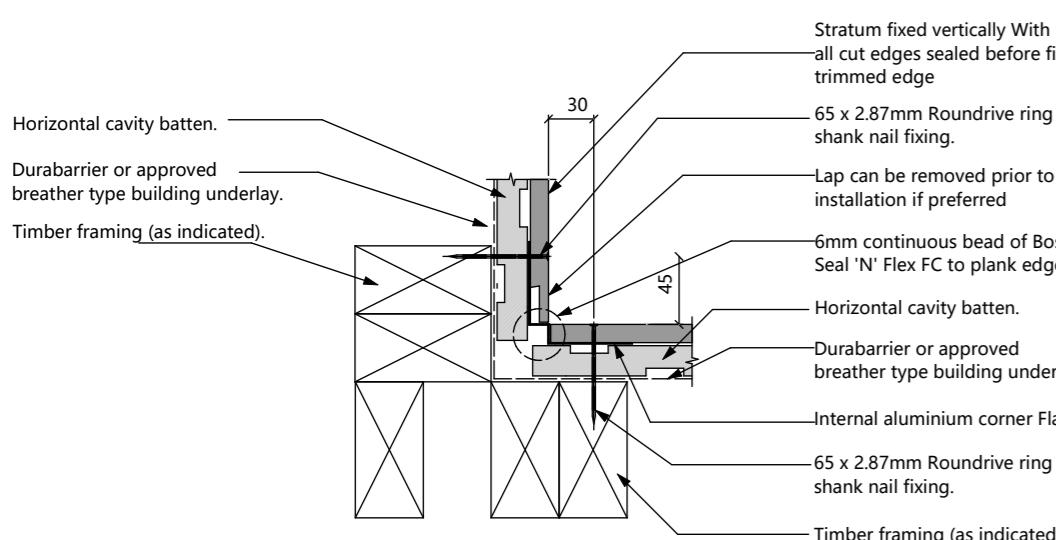
REVISION

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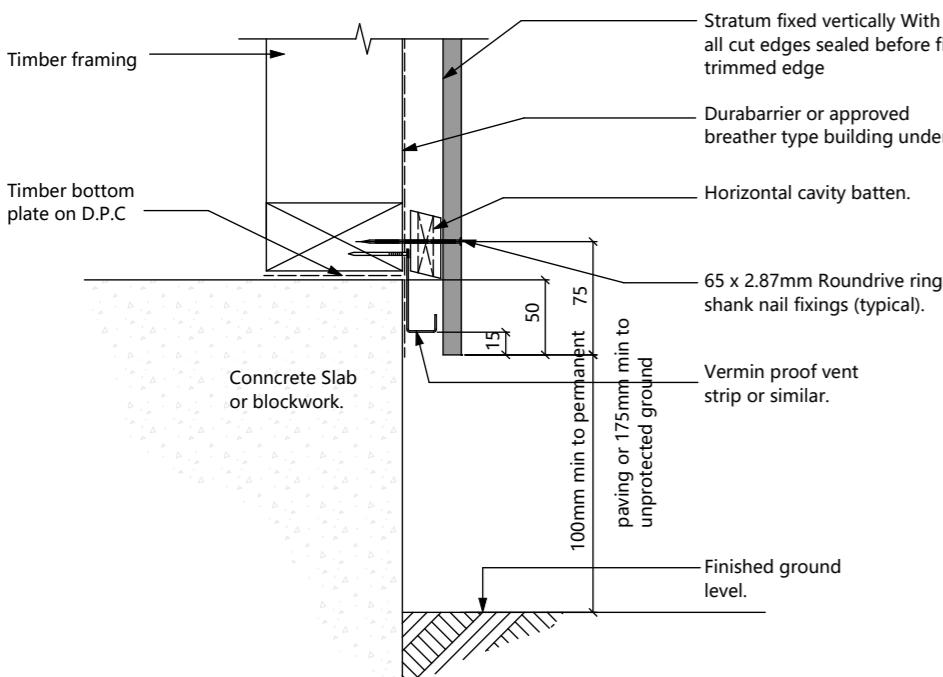
APPROVED



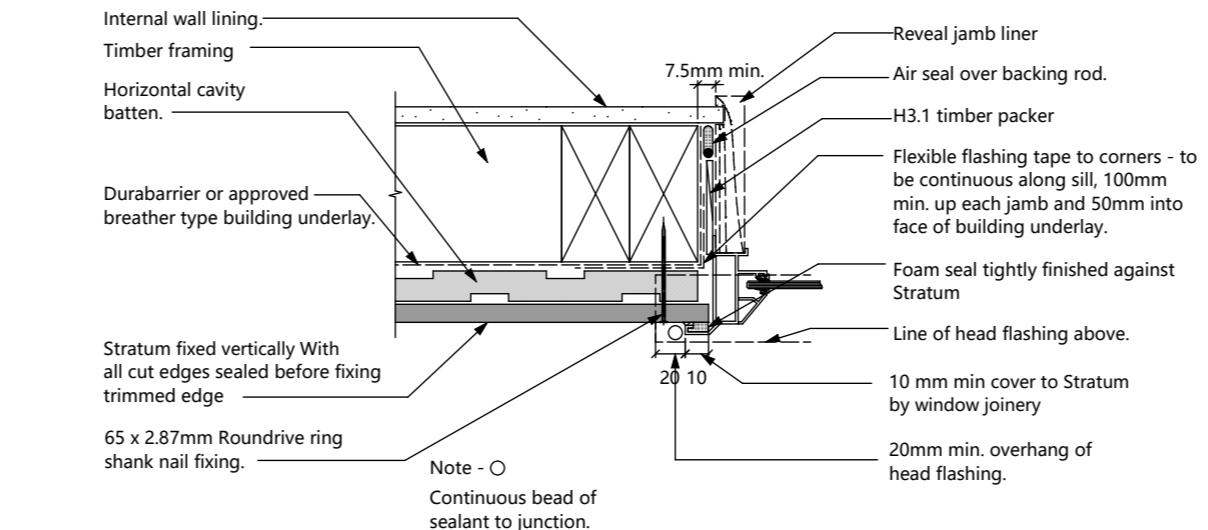
Window Head Detail



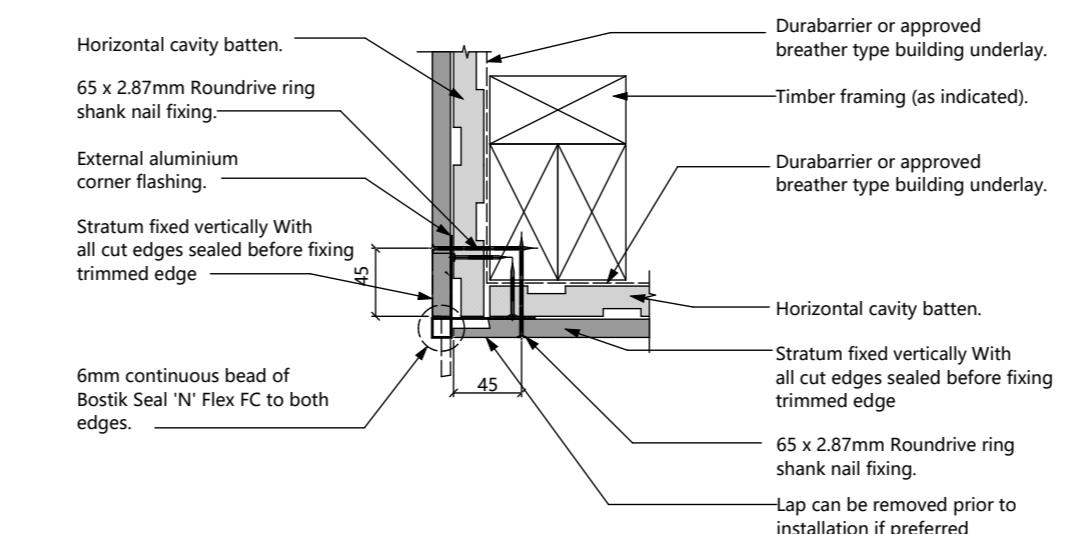
Internal Corner Deta



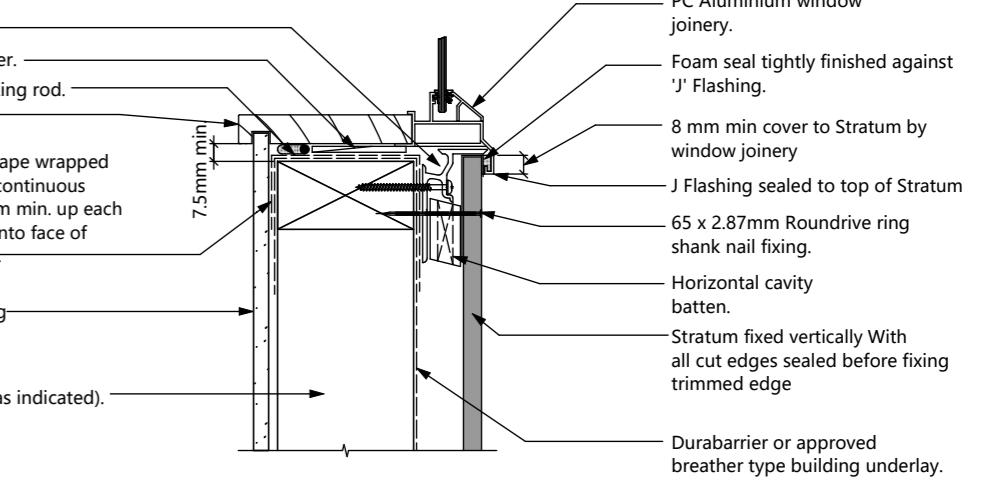
Foundation Details



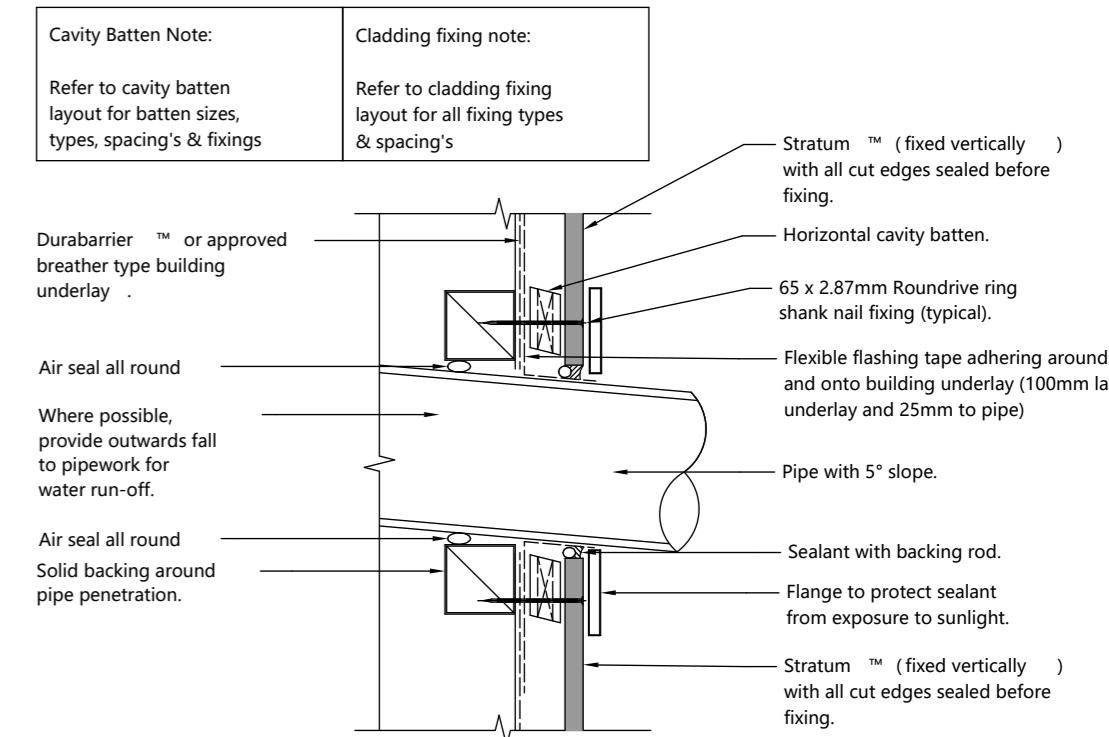
Window Jamb Detail



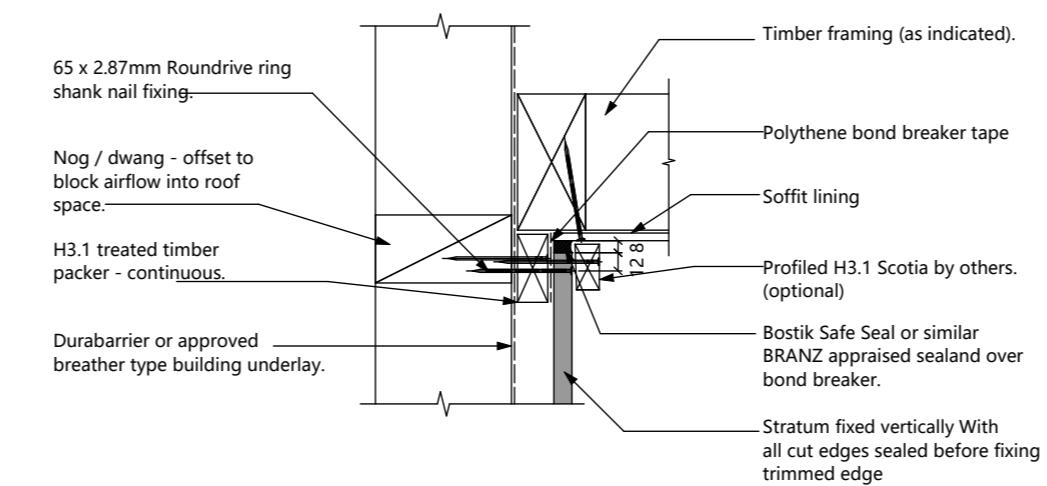
External Corner Detail



Window Sill Detail



Soffit Detail



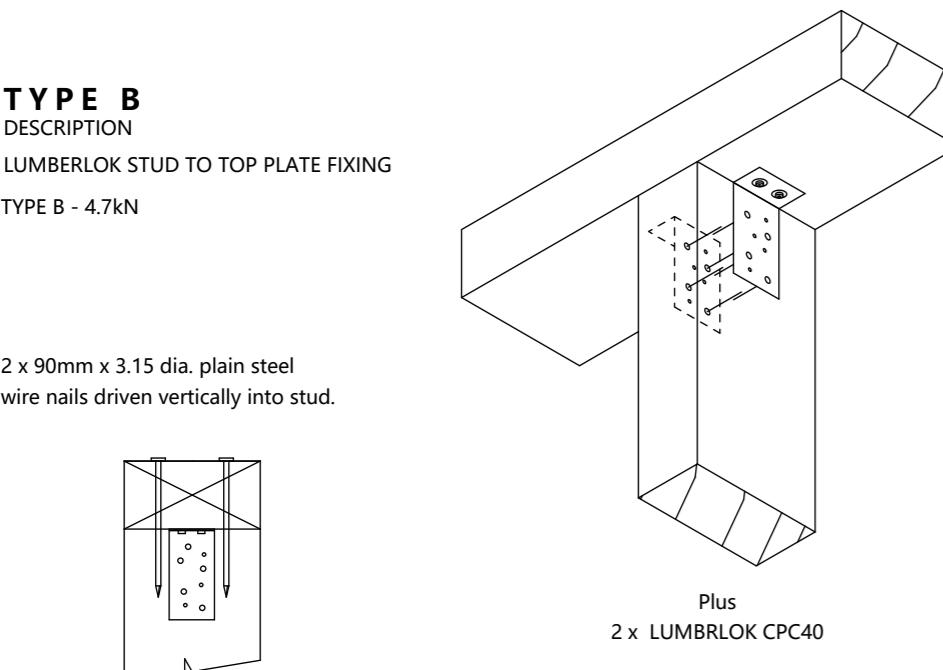
Cladding Details

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	 <i>J&J Architecture</i>	Cladding Details		REVISION	Detailed design		SCALE @ A2
		Project	LOT 581, 118 Scott Road, TE KAUWHA TA		DATE	REVISION	1 : 5
NUMBER: 0210312191 ADDRESS: Level 2, 452 Borman Road, Flagstaff, Hamilton 3210 EMAIL: jeff@jarchi.co.nz					26/09/2025		PAGE
							A407

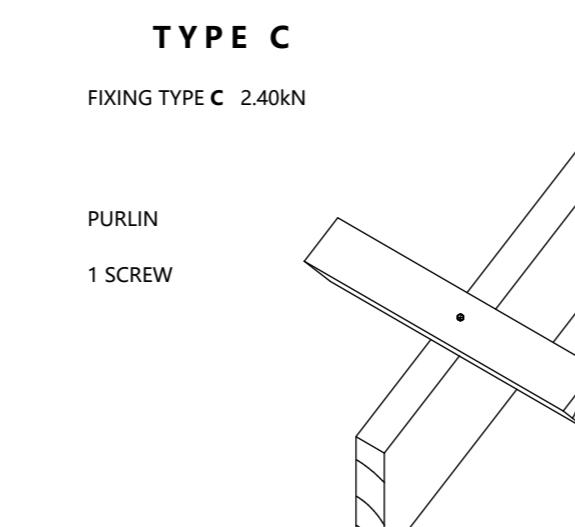
1. MIN OVERALL ROOF TRUSS SPAN 12m.
2. ALL PURLIN AND BATTEN SIZES AS PER NZS 3604: 2011
3. THESE FIXINGS ASSUME PURLINS OR BATTENS ARE FIXED TO TOP OF TRUSS OR RAFTER
4. "LUMBERLOK BLUE SCREW" REQUIRES A MIN OF 30mm PENETRATION INTO THE TRUSS TOP CHORD OR RAFTER TO PROVIDE THE LOADS SPECIFIED.

STUDS FIXING SCHEDULE

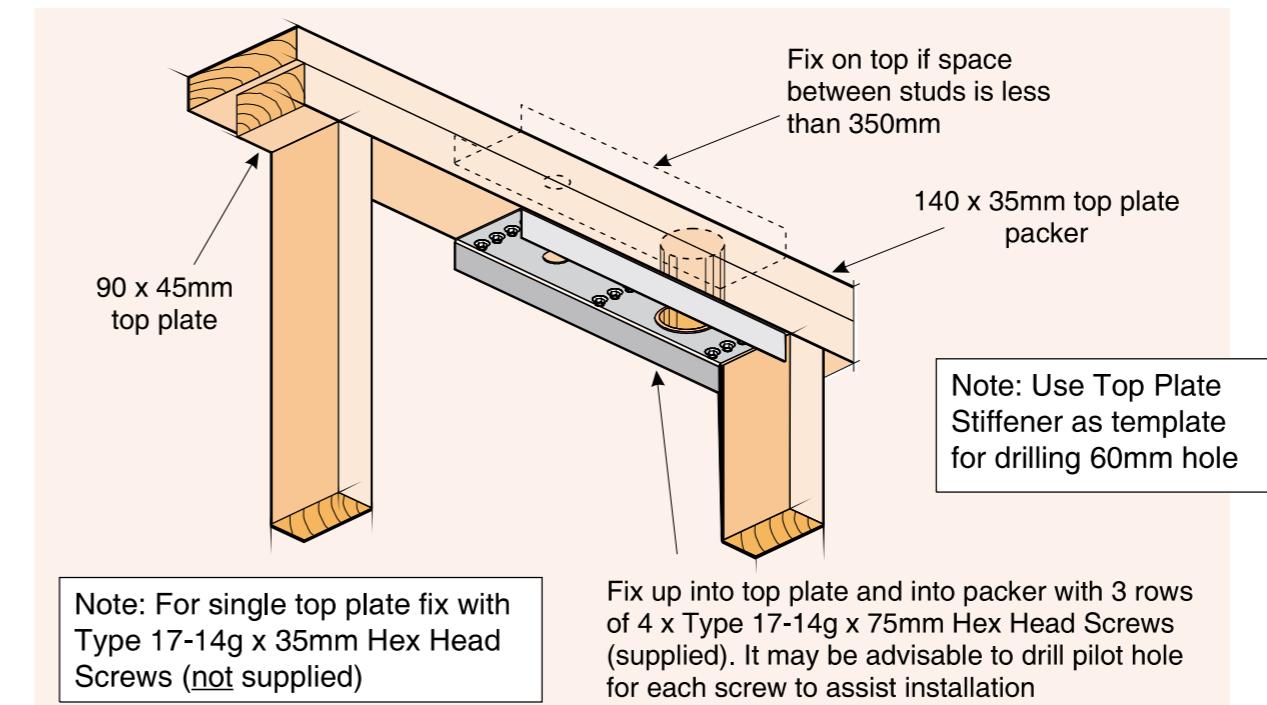
1. ALL FIXING ARE DESIGNED TO RESIST VERTICAL LOADS ONLY. DEAD LOADS INCLUDE THE ROOF WEIGHT AND STANDARD CEILING WEIGHT OF 0.20kPa
2. REFER TO TABLE 8.19 NZS 3604:2011 FOR NAILING SCHEDULE TO RESIST LATERAL LOADS.
3. GABLE AND WALL TOP PLATE/STUD CONNECTIONS WHERE THE ADJACENT REFTER/TRUSS IS LOCATED 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 ARRANGEMENTS UNDER GIRDERS TRUSSES ARE NOT COVERED IN THIS SCHEDULE.



TOP PLATE FIXING



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



TOP PLATE STIFFENER



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

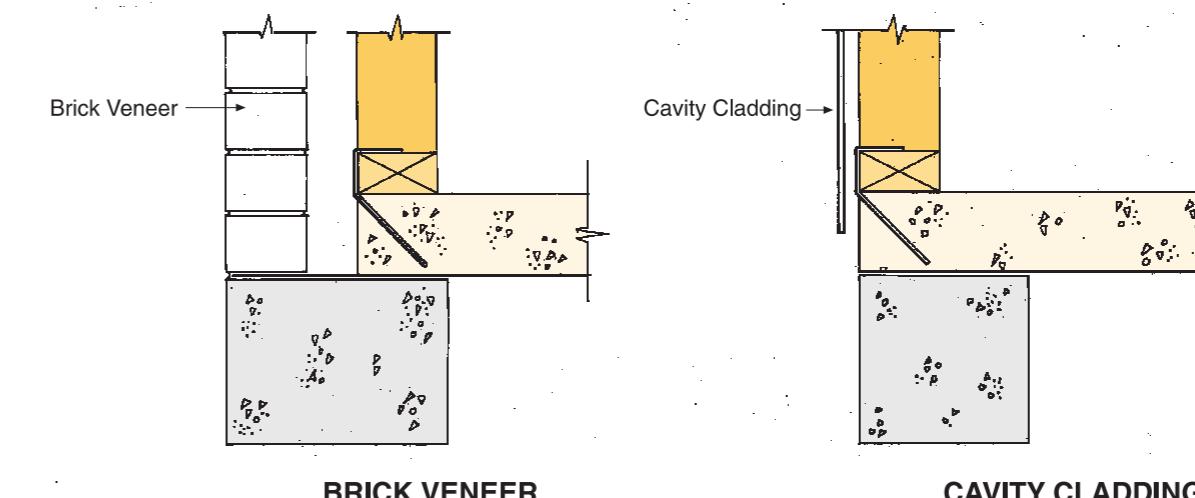
Wind Zones L, M, H, VH, EH, as per NZS 3604:2011

Loaded Dimension (m) Stud Centres	Light Roof Wind Zone		Heavy Roof Wind Zone	
	300mm	400mm	600mm	700mm
3.0	2.3	1.5	B	B
4.0	3.0	2.0	B	B
5.0	3.8	2.5	B	B
6.0	4.5	3.0	B	B
7.0	5.3	3.5	B	B
8.0	6.0	4.0	B	B
9.0	6.8	4.5	B	B
10.0	7.5	5.0	B	B
11.0	8.3	5.5	B	B
12.0	9.0	6.0	B	B

SELECTION CHART FIXING OPTIONS
(minimum fixing requirements)

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

PURLIN FIXING



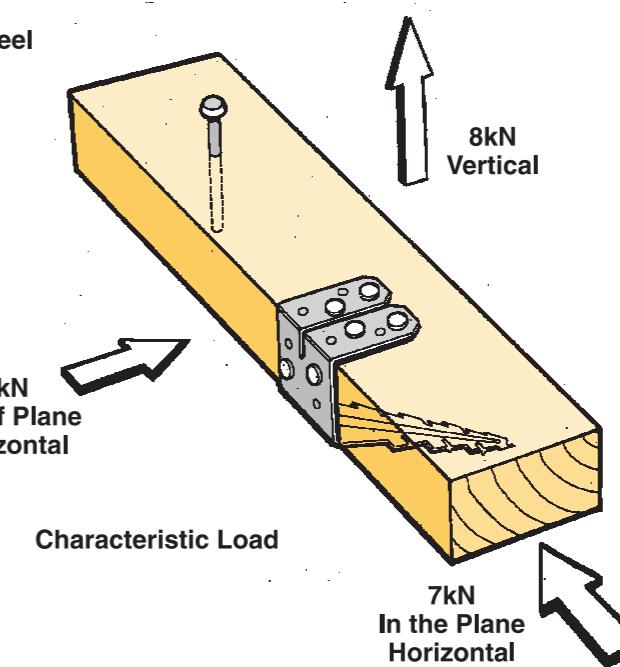
BRICK VENEER

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



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Project

Fixing Details
LOT 581, 118 Scott Road,
TE KAUWHATA

REVISION

Detailed design

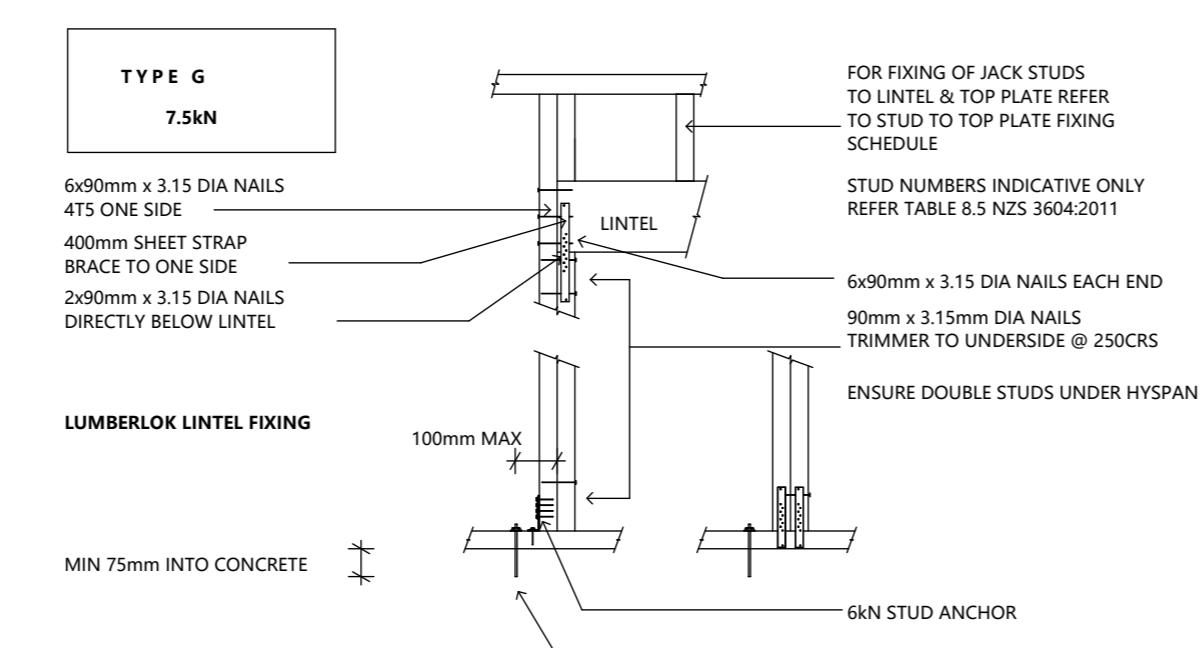
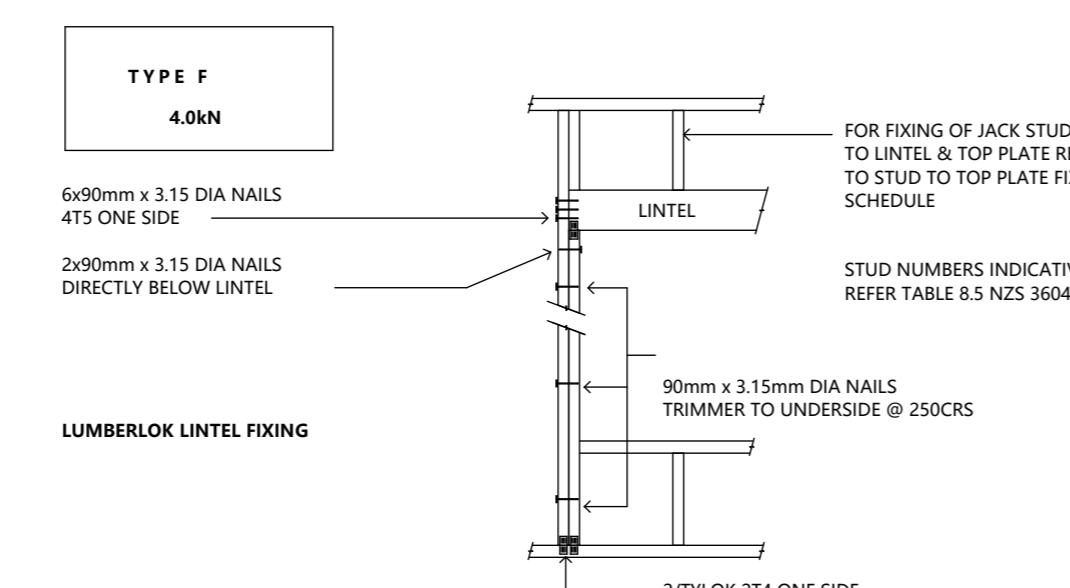
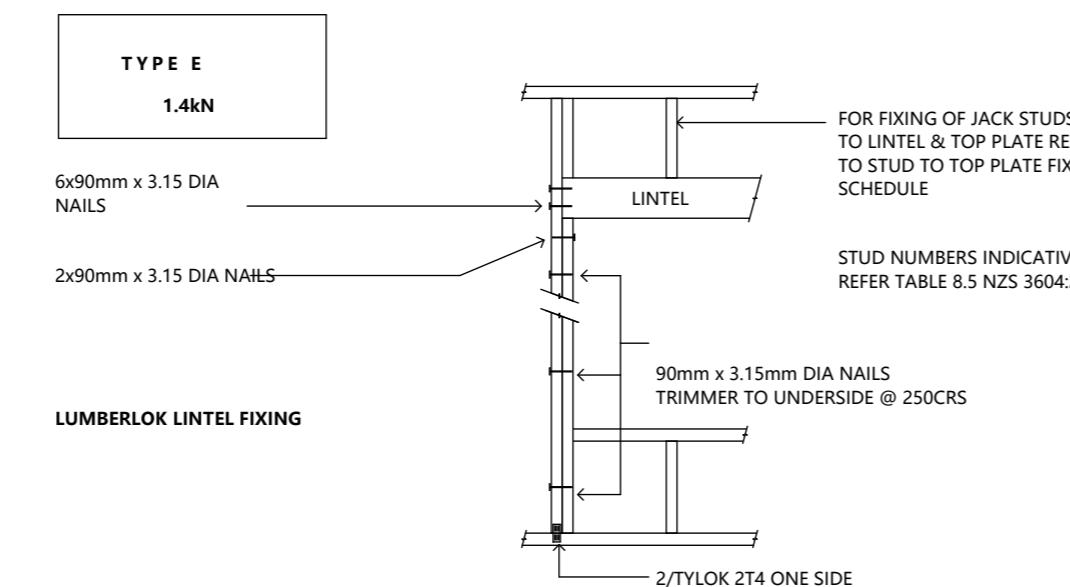
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Lintel Span	Loaded Dimension (See Fig. 1.3 NZS 3604:2011)	Light Roof					Heavy Roof				
		Wind Zone					Wind Zone				
		L	M	H	VH	EH	L	M	H	VH	
0.7	2.0	E	E	E	E	F	E	E	E	E	
	3.0	E	E	E	F	F	E	E	E	E	
	4.0	E	E	F	F	F	E	E	E	F	
	5.0	E	F	F	F	G	E	E	F	F	
	6.0	E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



Lintel Supporting Girder Trusses

Roof Tributary Area	Light Roof			Heavy Roof		
	Wind Zone			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

Notes:

- 1) Roof Tributary Area = approx. $1/2 \times$ (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

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NUMBER: 0210312191
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Fixing Details

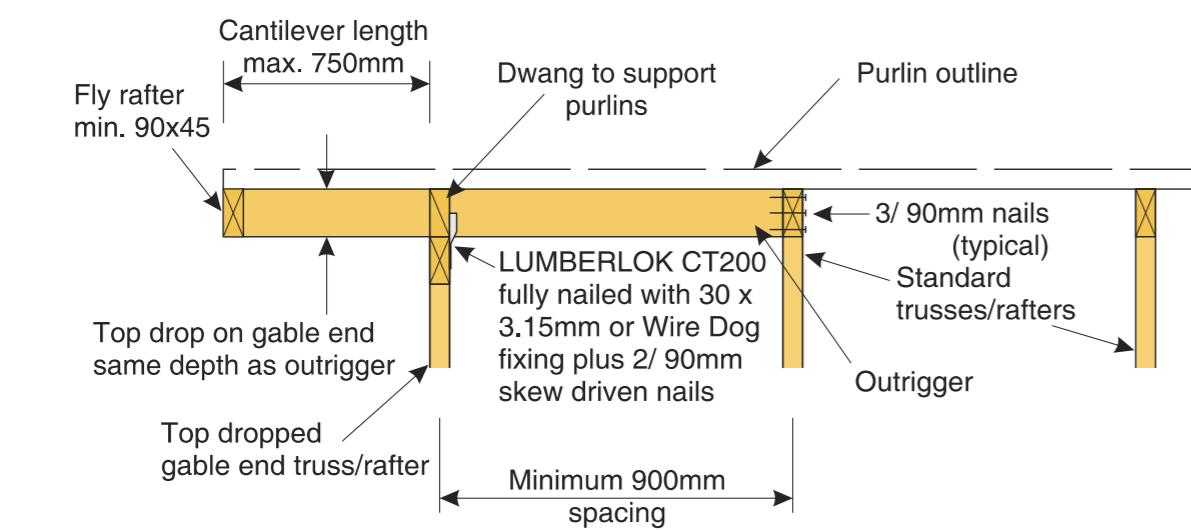
LOT 581, 118 Scott Road
TE KAUWHATA

REVISION	Detailed design		SCALE @ A2
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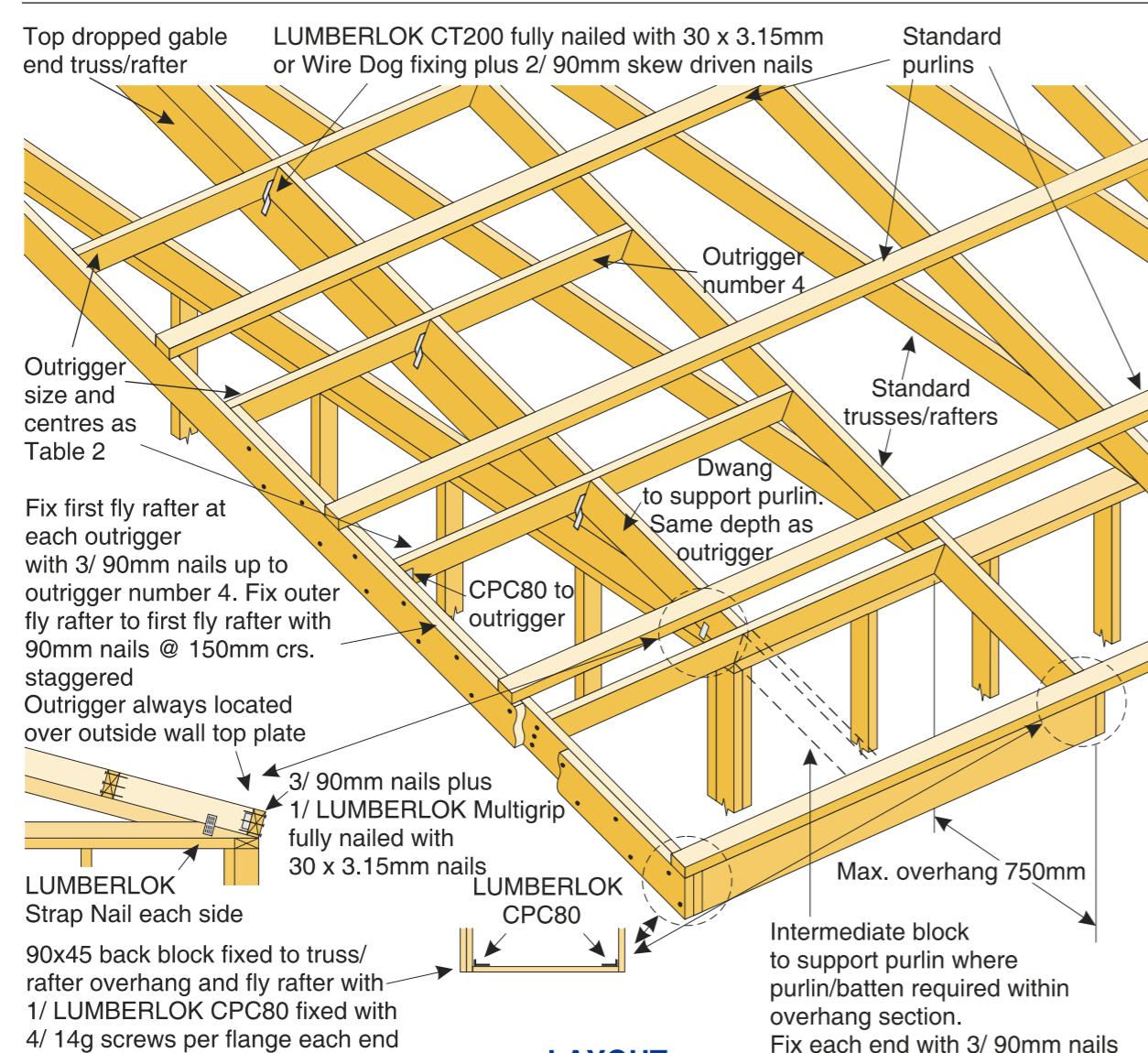
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CONSTRUCTION DETAILS FOR CANTILEVER OUTRIGGER OPTION

(SPANS & CENTRES AS PER TABLE 2)



CROSS SECTION

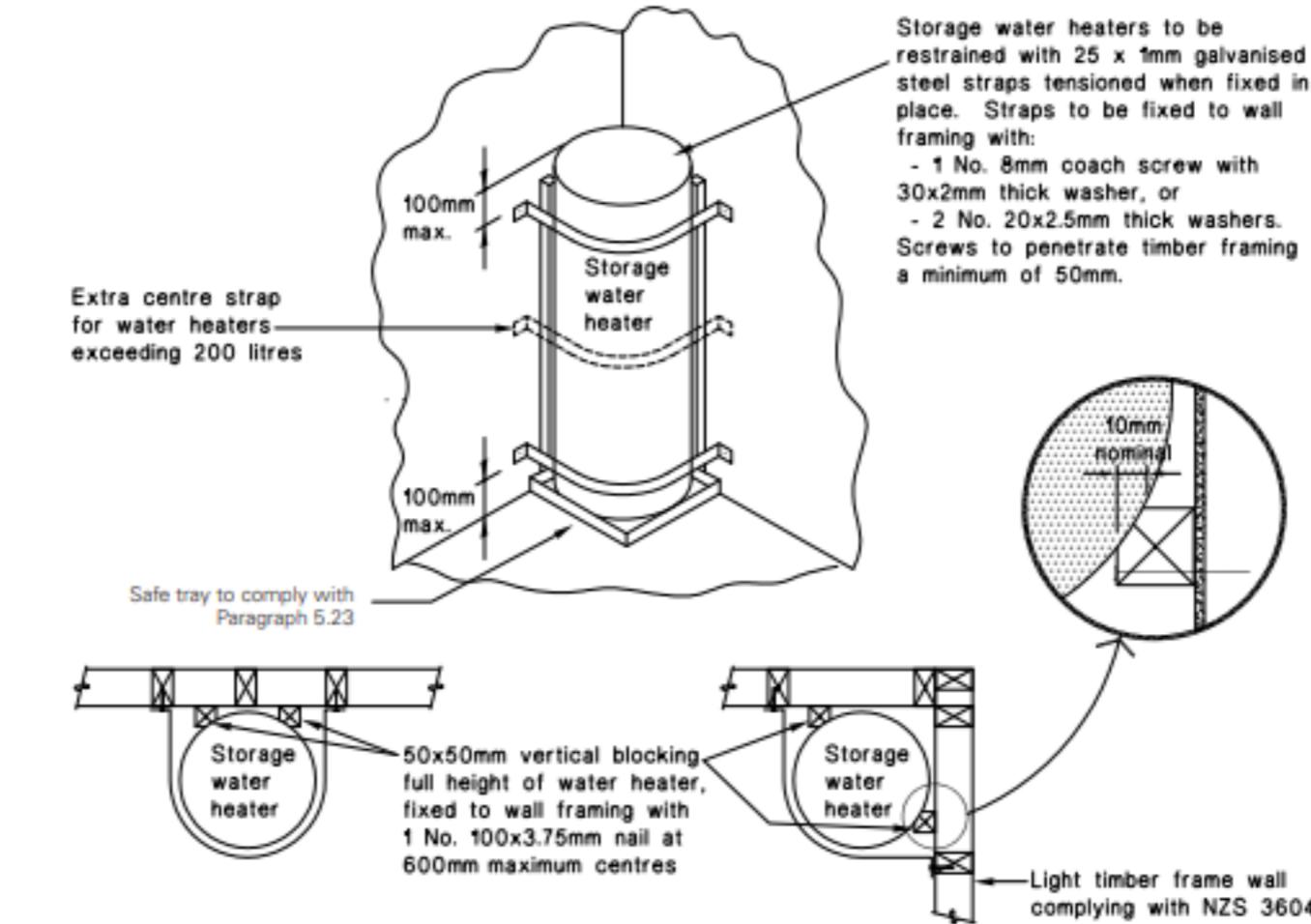


LAYOUT



Figure 14: Seismic Restraint of Storage Water Heaters 90 – 360 litres
Paragraph 6.11.4

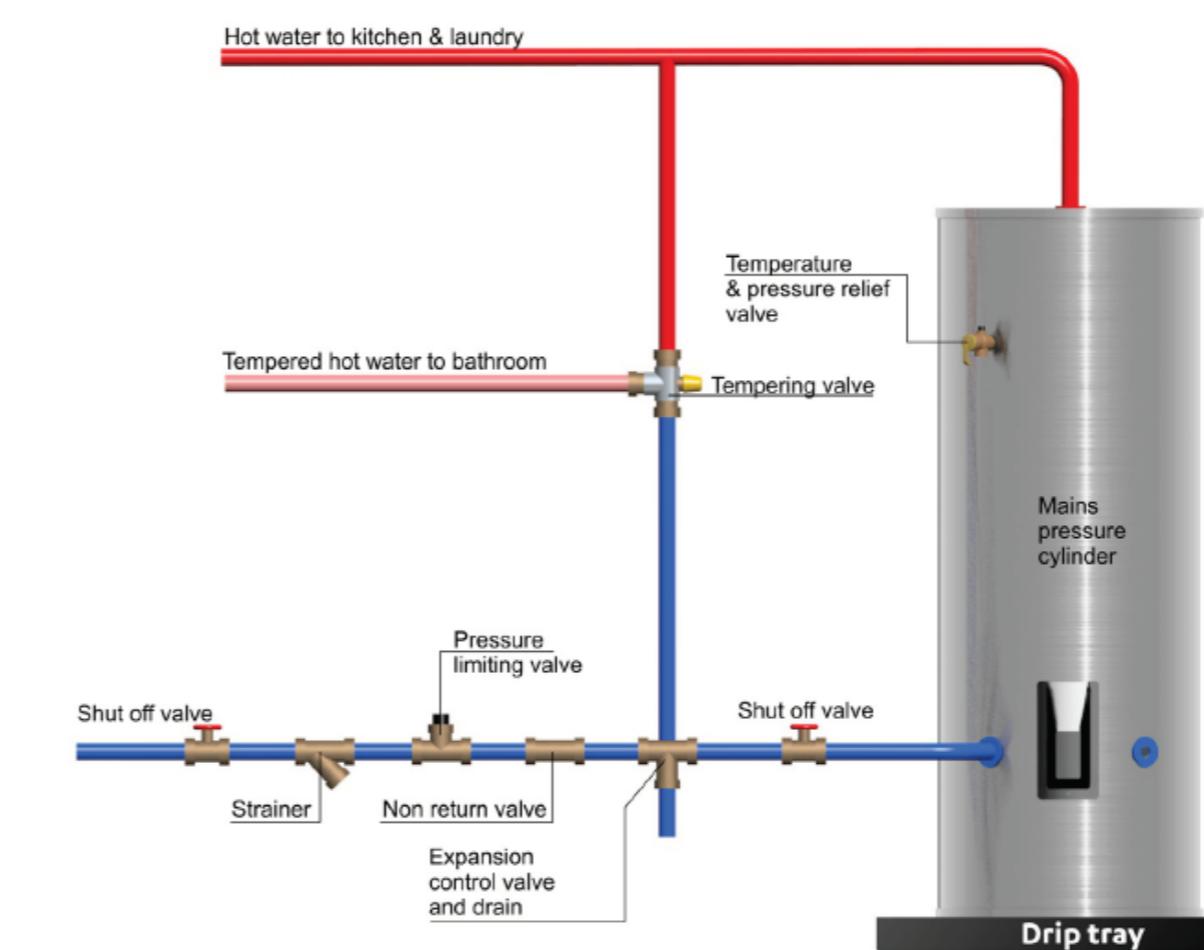
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Notes:

1. An additional centre strap is required where a storage water heater is located more than 12 m above finished ground level.
2. Additional timber framing may be required in retrofit situations to ensure adequate strap fixing is available.
3. Straps shall not be installed where they clash with water heater inlets, outlets or controls.
4. Where the 100 mm maximum strap distance from the top or bottom of the storage water heater cannot be achieved, straps may be placed within the top and bottom 25% with one additional strap placed centrally for water heaters < 200 litres, and two additional evenly spaced straps for water heaters 200 - 360 litres.
5. A maximum total of four straps are required when complying with both Note 1 and Note 4.

Plumbing setup for a mains pressure cylinder



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