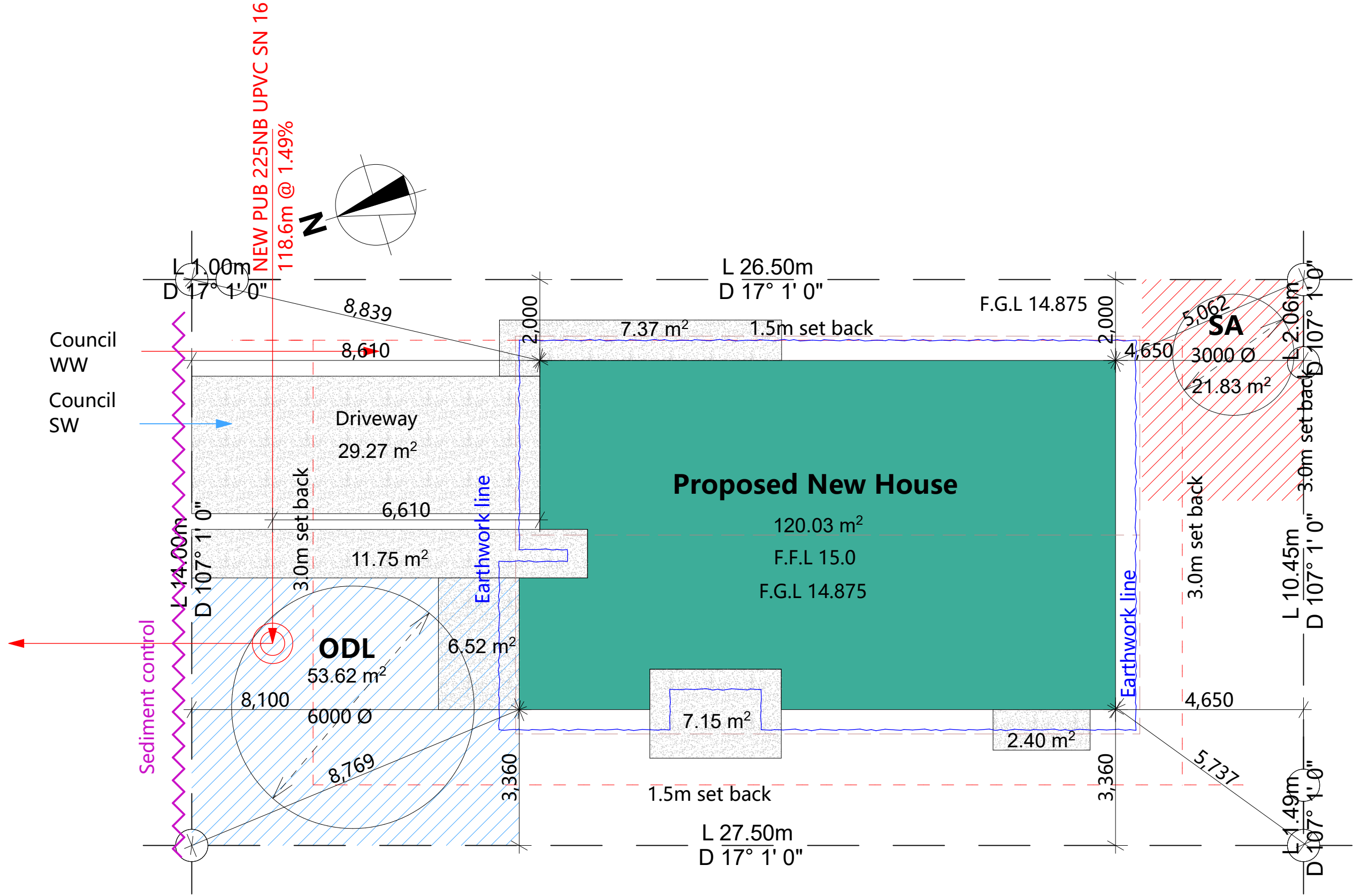


LOT 581

118 SCOTT ROAD

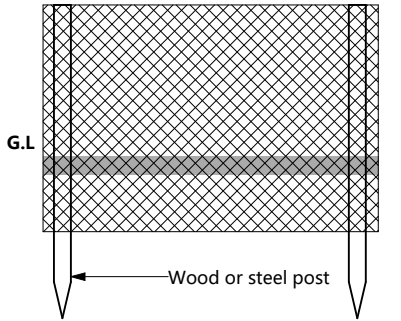
| Sheet Index | | |
|-------------|---------------------|------------------------------|
| Layout ID | Current Revision ID | Layout Name |
| | | Cover Page |
| A6 | | Ground Floor Dim Plan |
| A101 | | Site Plan |
| A102 | | Site Landscaping Plan |
| A103 | | Ground Floor Plan |
| A104 | | Ground Floor 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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| A401 | | Details |
| A402 | | Foundation Details |
| A403 | | Roof Details |
| 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 Descripton | |
| Street: | 118 Scott Road |
| Lot: | 581 |
| DPS: | 571030 |
| Site Area: | 385.00 m2 |
| Floor Area: | 120.03m2 |
| Site Coverage: | 31.1% |
| Driveway: | 29.27m2 |
| Concrete Pad: | 28.67m2 |
| 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 coming 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. |
| K E Y : | |
| Outdoor Living area | |
| Service area | |
| Concrete driveway | |
| Earthwork: | |
| Area: | 120m² |
| Cut deep: | 0.2m(soil report) |
| Fill: | 0.1m |
| Volume: | 36m³ |

Filter fabric material securely fastened to the posts or of



Sediment control

DO NOT SCALE DRAWINGS.
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NUMBER: 0210312191

ADDRESS: Level 2, 452 Borman Road, Flagstaff, Hamilton. 3210

EMAIL: jeff@jjarchi.co.nz

Site Plan

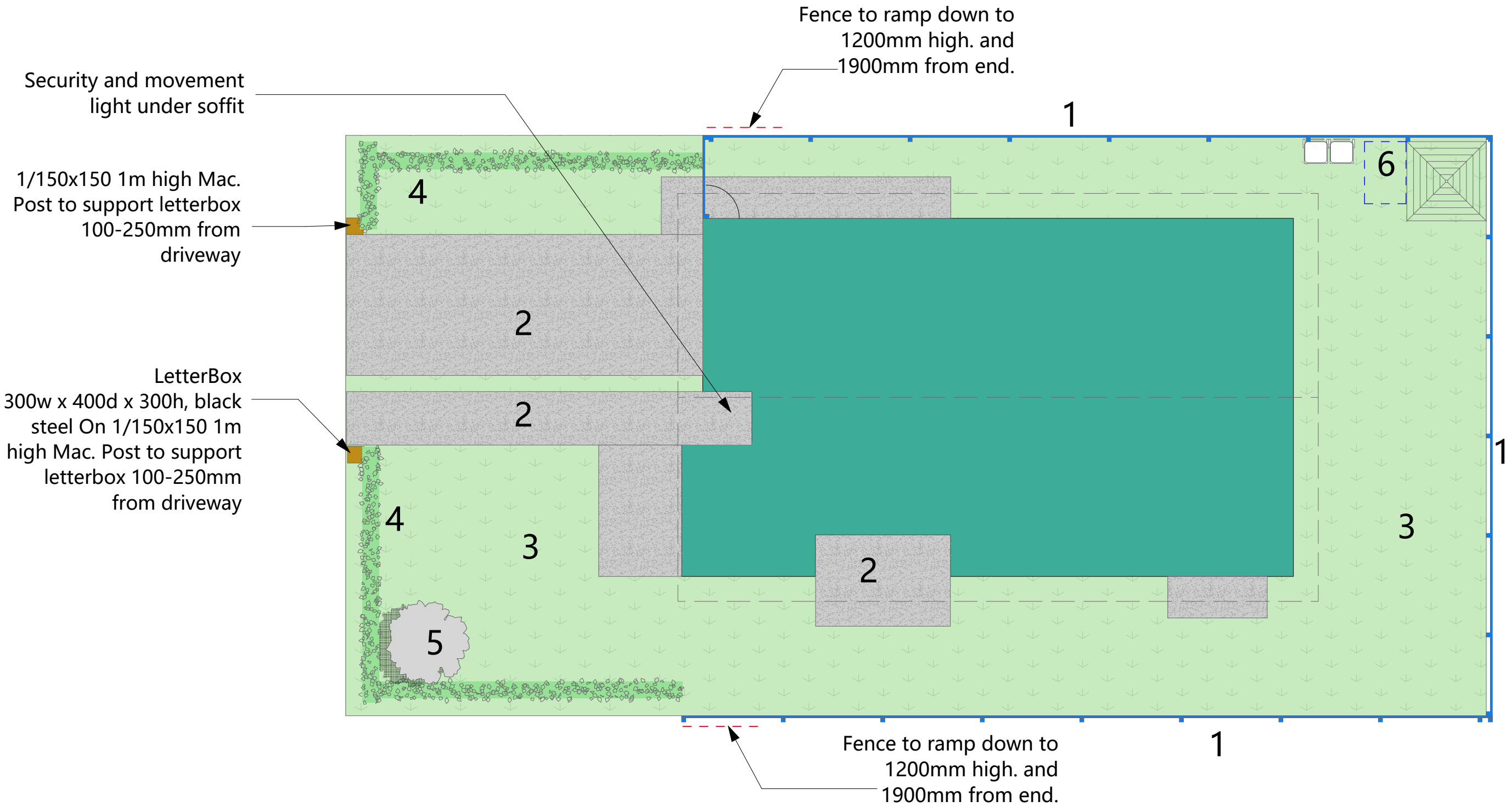
Project

LOT 581, 118 Scott Road, TE KAUWHATA

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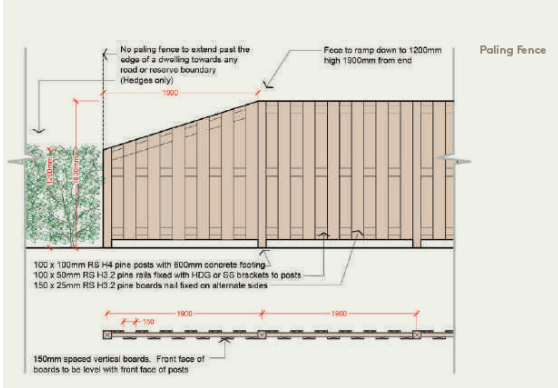
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1 1.8m privacy timber fence at backyard

- 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

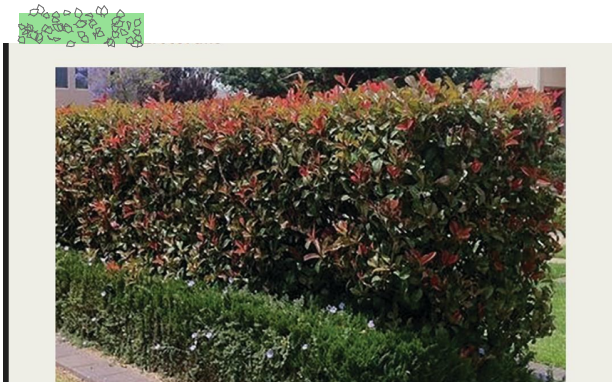


3 Lawn area



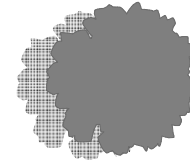
4 Hedge plants(Griselinia littoralis)

- 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.



5 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.



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

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Project

**LOT 581, 118 Scott Road,
TE KAUWHATA**

Site Landscaping Plan

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| Insulation | | Floor Plan Notes: | |
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| 90 Frame External Walls: R2.2 Wall Insulation Trusses Roof Area: R7.0 Roof insulation R3.6 Roof insulation on edge Meter Box: Kingspan KS1000RW Foundation: R1.2 Firth Ribraft Foundation | | 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. | |
| Timber Treatment | | 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 All smoke Alarm to be Interconnected smoke alarms to comply with NZBC C1/AS1 and NZS4514:2001. 12 STUDS & STUD HEIGHTS: ~ All walls to be 90x45 SG8 studs @ 600 crs (2455mm stud height).Nogs @ 800mm crs (max). ~ All bottom plates to be H1.2 90x45, fixed with LUMBERLOK BOTTOM PLATE FIXINGS anchor in galv mild steel. 13 All showers to be safety glass panel with ceramic tiles to comply with F2/AS1. | |
| Timber Treatment | | 14 All internal wall linings to be 10mm GIB standard. and ceiling to be 13mm GIB standard over 70x35mm ceiling batten.All wet area to be 10mm GIB AQUALINE. 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. 16 All External windows and doors to be aluminium joinery. and all Glass to be Doubled / Low E3 / Clear with Gas :Argon. and all aluminium frame to be thermally broken. it have to be comply with NZBC H1. All Frist Floor windows opening to be have restricor fitted. 17 All ventilation to be comply with G4/AS1 & AS1668. 18 All internal door to be 1980mm height. 19 All Ceilling batten need to be 70x35 H1.2 @ 600 crs with 13mm Gib, or @ 400 crs with 10mm Gib. | |
| Finishes | | | |
| 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 V : | | | |
| Smoke Detector | | | |
| Out door Tap | | | |
| Switch Board | | | |
| Meter Board | | | |
| Ceiling Access | | | |
| Rinnai Gas HW System | | | |
| Air Conditioner Outlet | | | |
| 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 | 2170x910 | Double | Opaque/Safety | 2/90x45 | F |
| D1-2 | 2170x2400 | Sectional | Opaque/Safety | 2/190x45 | G |
| D1-3 | 2170x860 | Double | Opaque/Safety | 2/90x45 | F |
| W1-1 | 1270x1600 | Double | Clear | 2/140x45 | F |
| W1-2 | 1170x1600 | Double | Opaque/Safety | 2/140x45 | F |
| W1-3 | 1270x1600 | Double | Clear | 2/140x45 | F |
| D1-4 | 2170x2000 | Double | Clear/Safety | 2/140x45 | F |
| W1-4 | 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.

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J&J Architecture

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ADDRESS: Level 2, 452 Borman Road, Flagstaff, Hamilton. 3210
EMAIL: jeff@jjarchi.co.nz

Project

**LOT 581,118 Scott Road,
TE KAUWHATA**

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Detailed design

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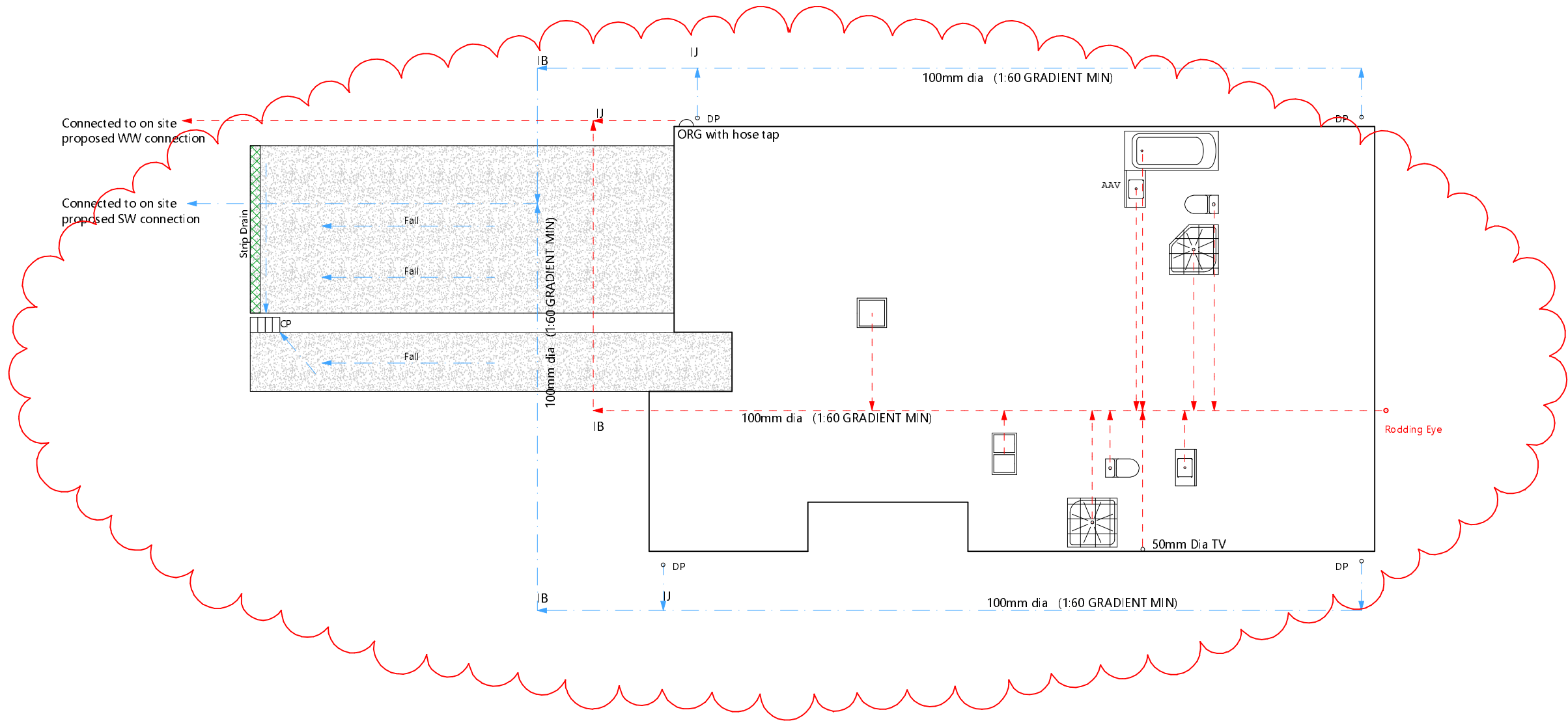
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| Drainage Plan Notes: | |
| 1 | All drainage is to comply with NZS/AS3500 & NZBC. |
| 2 | Confirm location & position of all drains on site. |
| 3 | Pipe junctions 450° or swept bends. |
| 4 | All downpipes 100mm dia sized to table NZBC E1 surface 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 | Vacuum breaker install at hose tap to comply with section 3.4 of G12 /AS1. |
| 8 | Reuse water tank: Backflow valve to be installed, and Laundry and WC to install water supply and tank water supply. |
| 9 | Reuse water to Laundry to be have Non-potable water sign to be comply with F8. |
| Hotwater Pipe: | |
| NZS4305:1996 Table 5 | |
| Length(m): | 25 10 |
| | 12 15 |
| | 7 20 |
| Low Flow Fixtures: | |
| -Showers rated 3 or 4 Stars in accordance with AS/NZS 6400:2016 Water efficient products - Rating and labelling. | |
| -Tap equipment (excluding outdoor tap equipment) rated 5 Stars in accordance with AS/NZS 6400:2016 Water efficient products - Rating and labelling. | |
| -Toilets (Lavatory equipment) rated 4 Stars in accordance with AS/NZS 6400:2016 Water efficient products - Rating and labelling. | |

| Plumbing Legend & Schematic | | |
|-----------------------------|-----------|---------------|
| Fitting type | Pipe | Min. Gradient |
| 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 |

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Ground Floor Plumbing Plan

LOT 581,118 Scott Road,
TE KAUWHATA

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Detailed design

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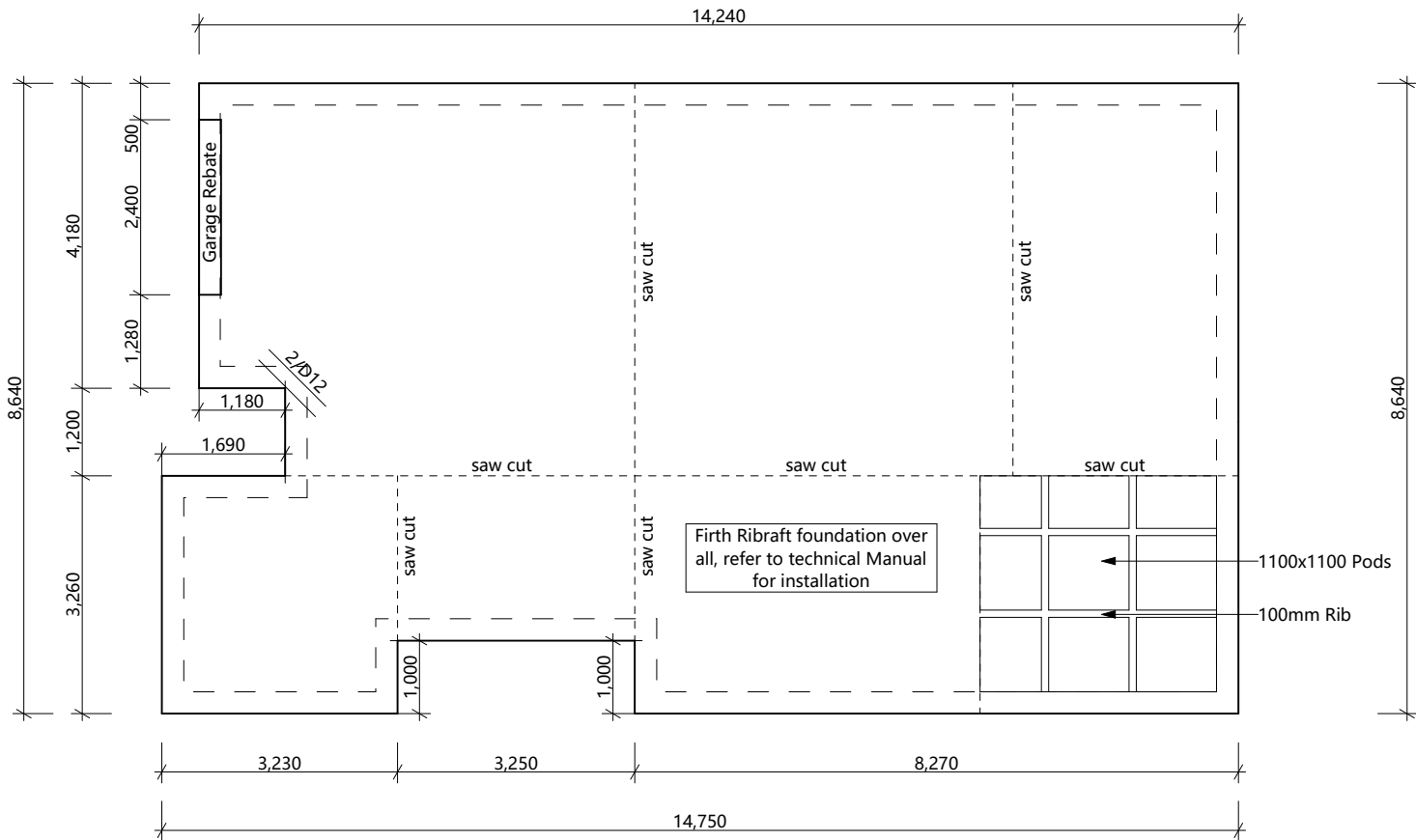
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- 1
- Building setout and floor levels to be established by a registered surveyor.
- 2
- All works to be comply with NZS: 3604 2011. Sand pad refer to engineer Goetec report.
- 3
- All internal load bearing wall loction refer to percut and turss manufacturer design layout for point load. And slab thickenings to complay 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.**



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Project

Ground Floor Foundation Plan

LOT 581,118 Scott Road,
TE KAUWHATA

| REVISION | |
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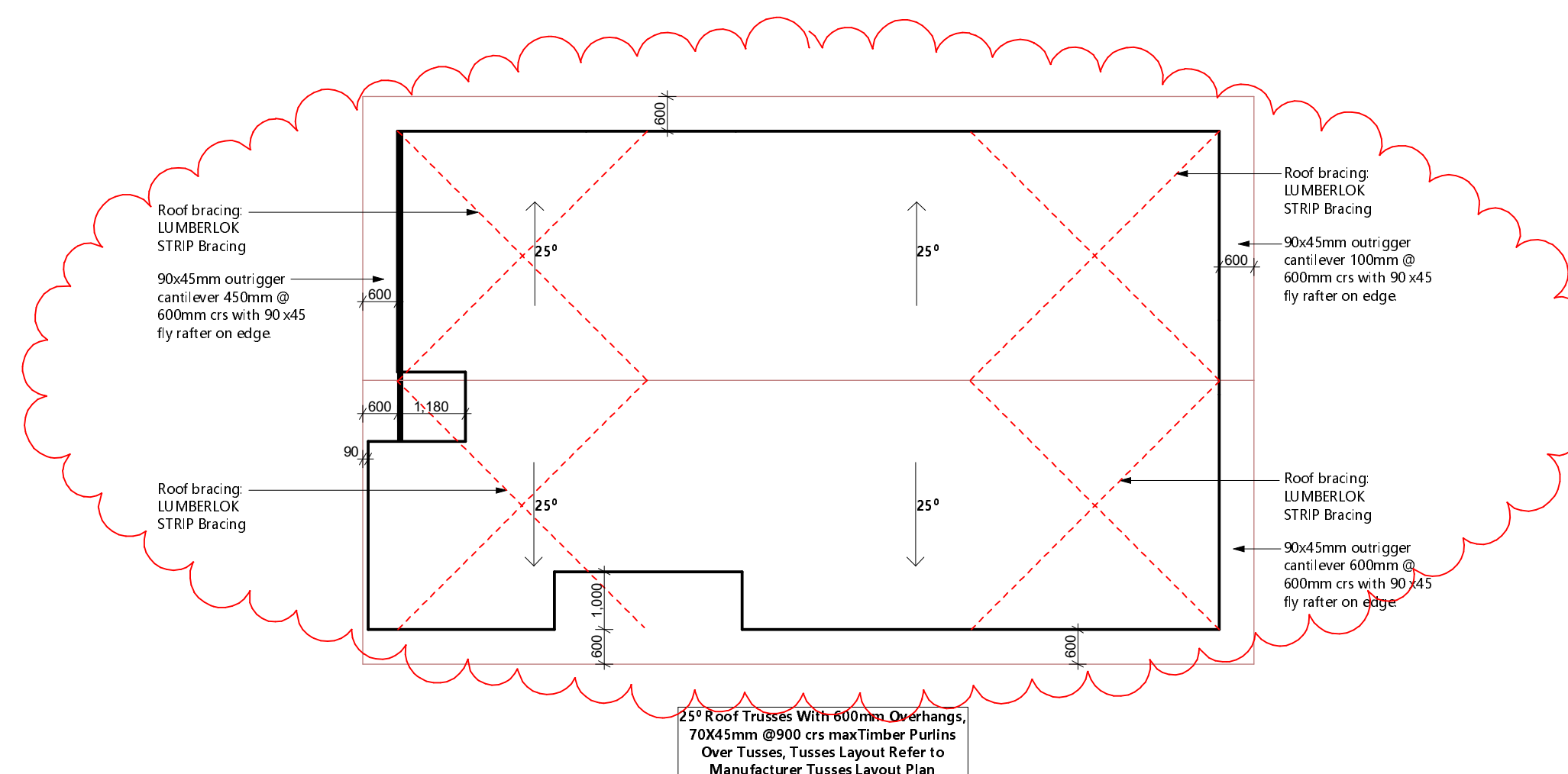
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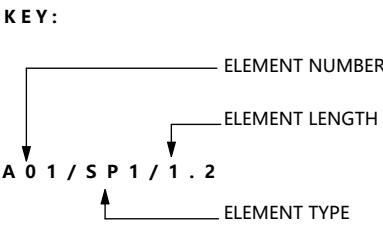
A105

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.



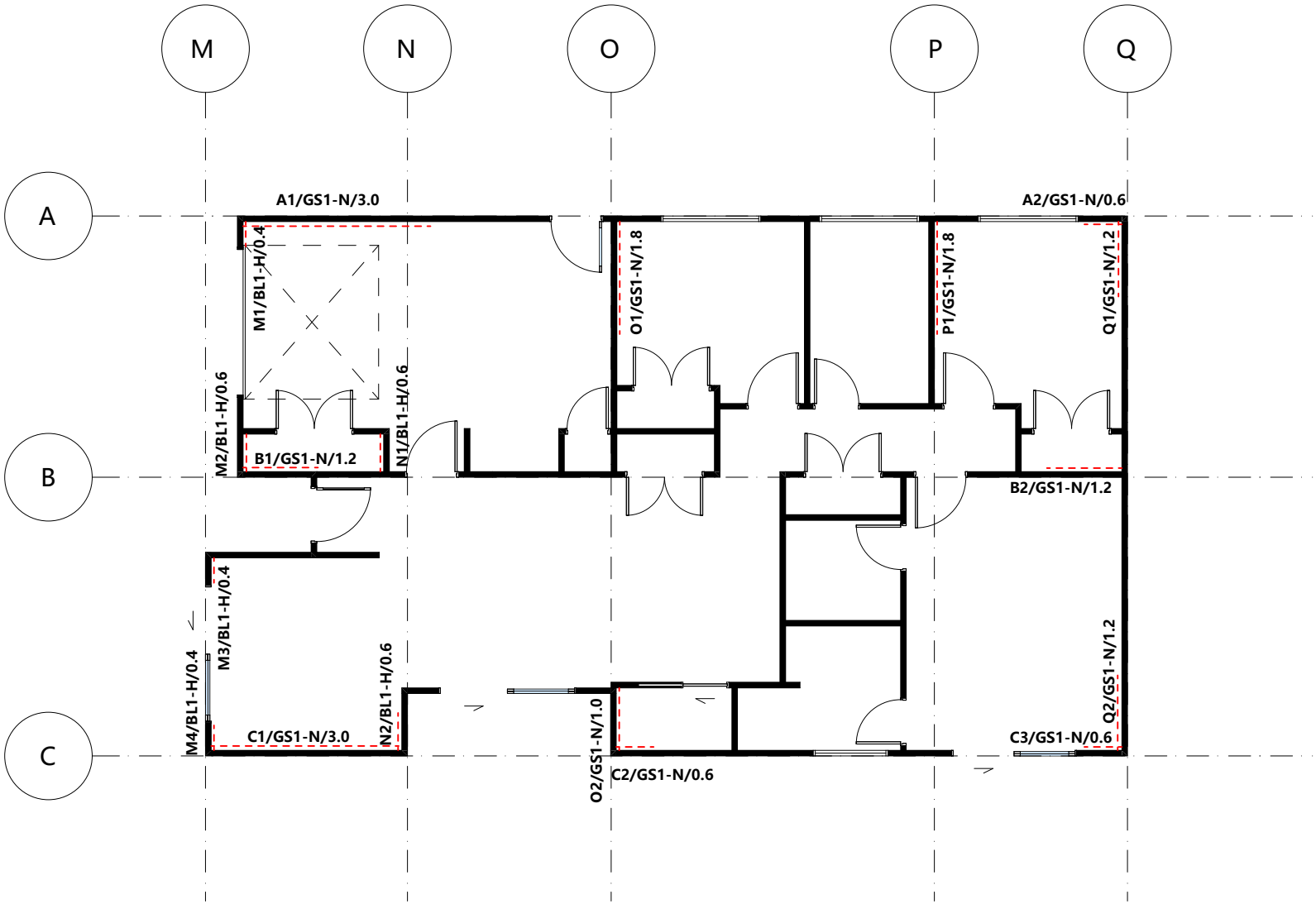
| | |
|------------------------|-------------------|
| Roof: | |
| Gutter:(Caurter round) | |
| Area: | 152m2 & 25 degree |
| Caurter round Gutter: | 5958mm2 |
| Ef table 15: | 25m2 |
| Down pipe: | (100mmDia) |
| 100mmDP: | 130m2 |
| One Roof: | 2x downpipe |



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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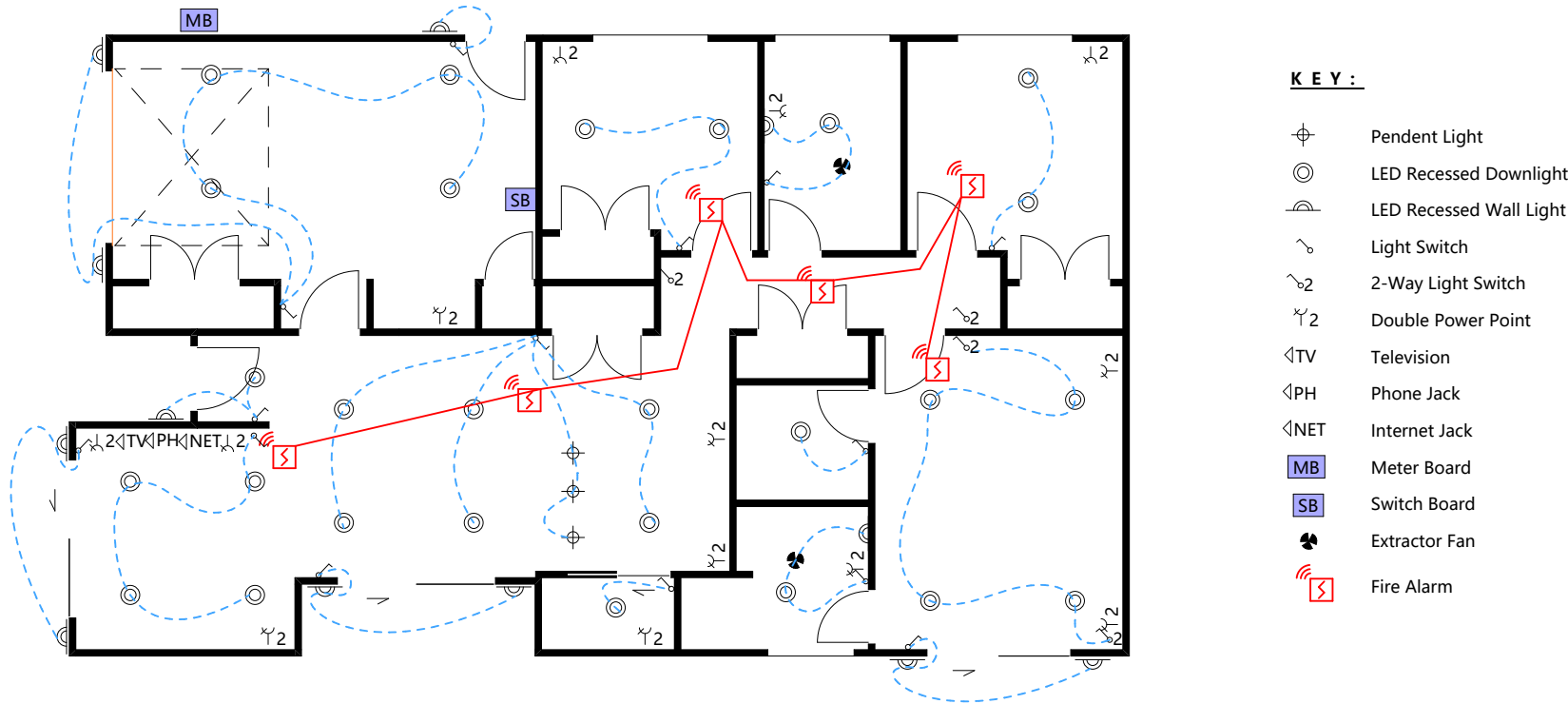
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| Project | Ground Floor Bracing Plan | |
| | LOT 581, 118 Scott Road, TE KAUWHATA | |

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- Electrical Notes:
- Layout to be confirmed with cleint prior to first fix
 - Extract fans to bathrooms and rangehood to kitchen are to be vented to the exterior ,through the soffit.
 - Povide wiring to infinity gas system
 - CA 80 and CA 135 rated downlight to be used.
 - All downlight have to be IC rated to be coverby insulation.



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Project

Ground Floor Electrical Plan

LOT 581, 118 Scott Road,
TE KAUWHATA

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- Cladding Notes:
- 1

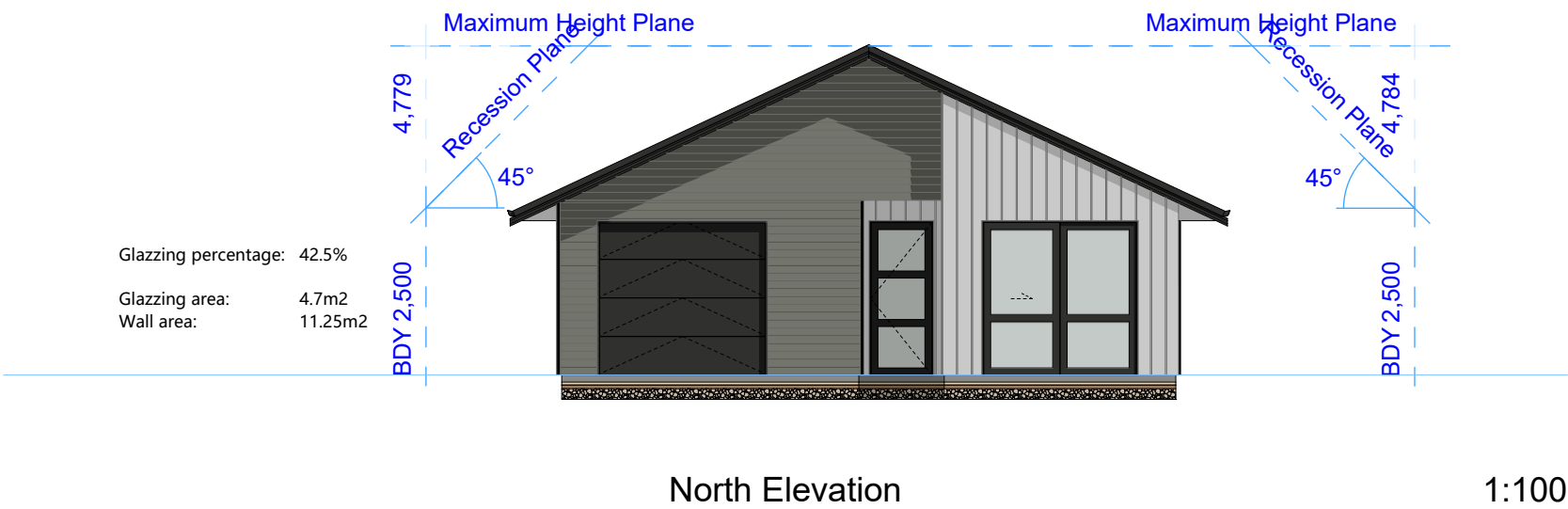
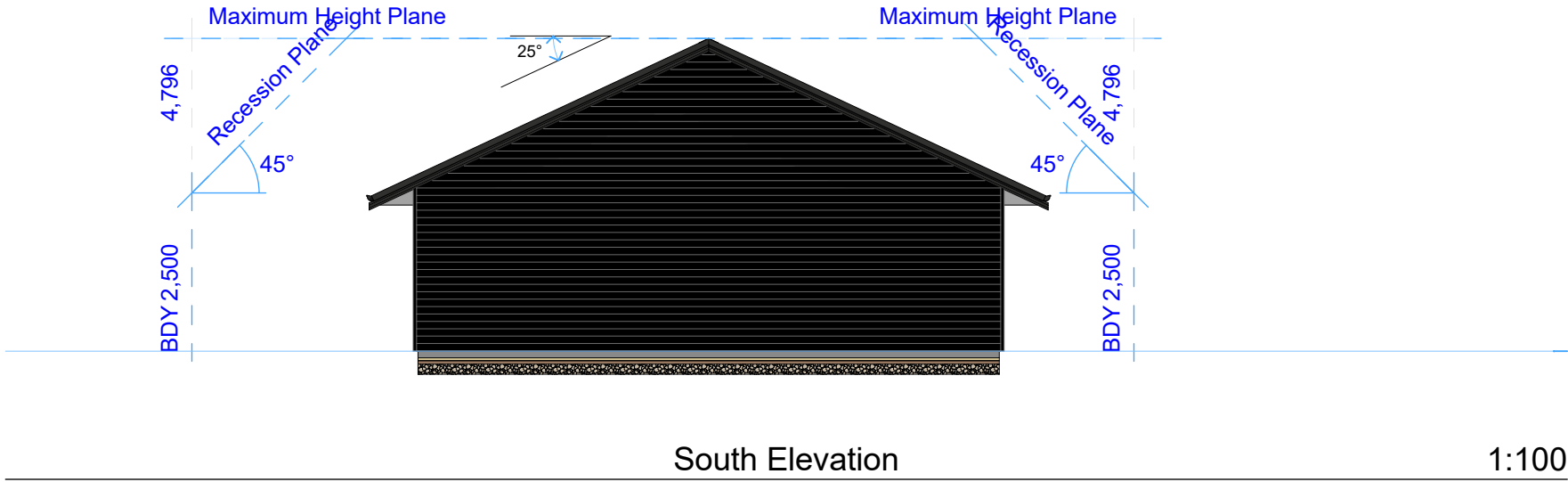
Selected BGC Stratum WEATHERBOARD with 20mm cavity over"THERMAKRAFT WATERGATE Plus" building paper. Which show on the elevation.
- 2

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 Covertex 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

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Detailed design

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- 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 Covertex 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.

Tie Spacings

Veneers up to 140 kg/m² [70 mm thick veneers]

- Horizontally

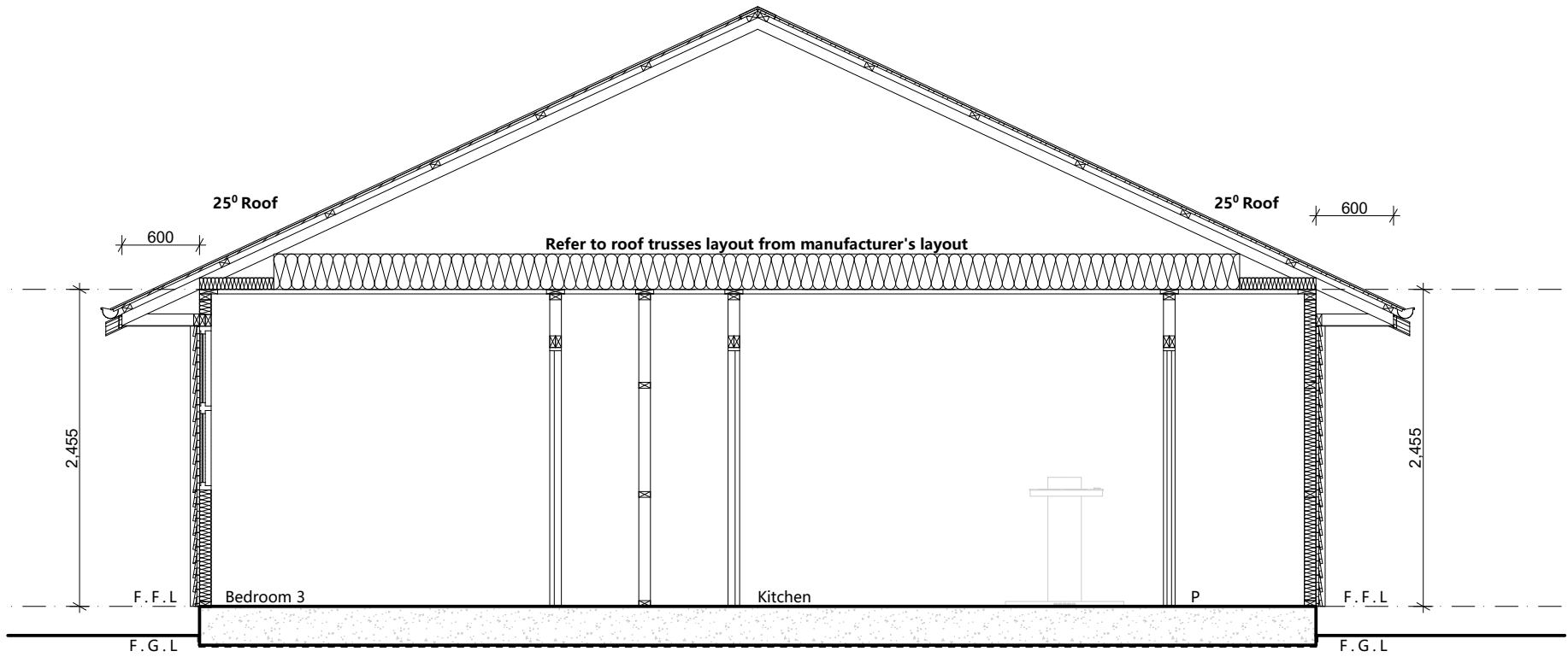
400 mm crs into studs
- Vertically

400 mm crs max.
- Openings

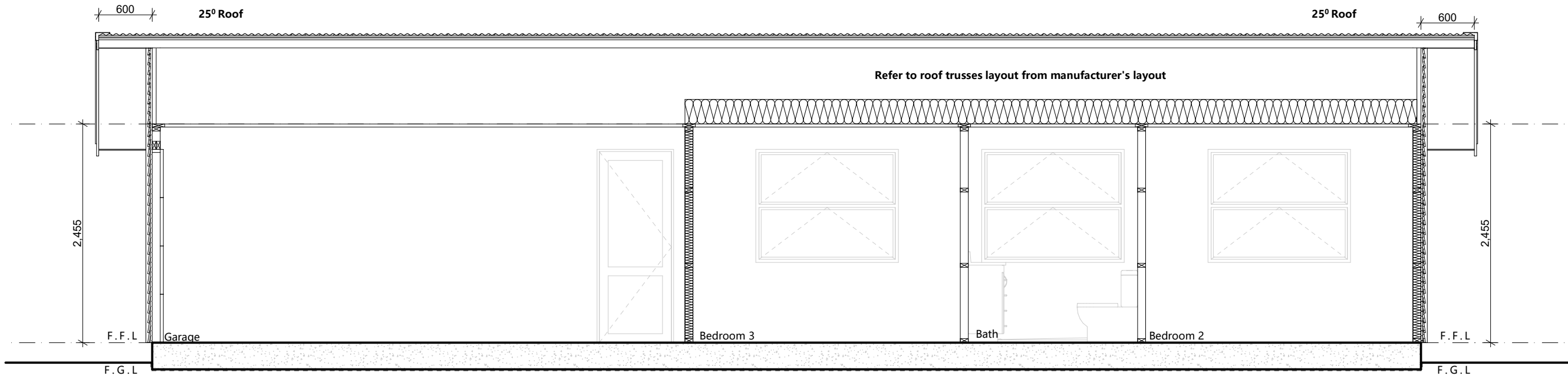
Within 200 mm of the edge of all openings
- Shelf Angles

1st Row within 200 mm of the Shelf Angle
- Foundation

1st Row within 400 mm of the rebate



C Section S1 1:50



B Section S2 1:50

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Sections

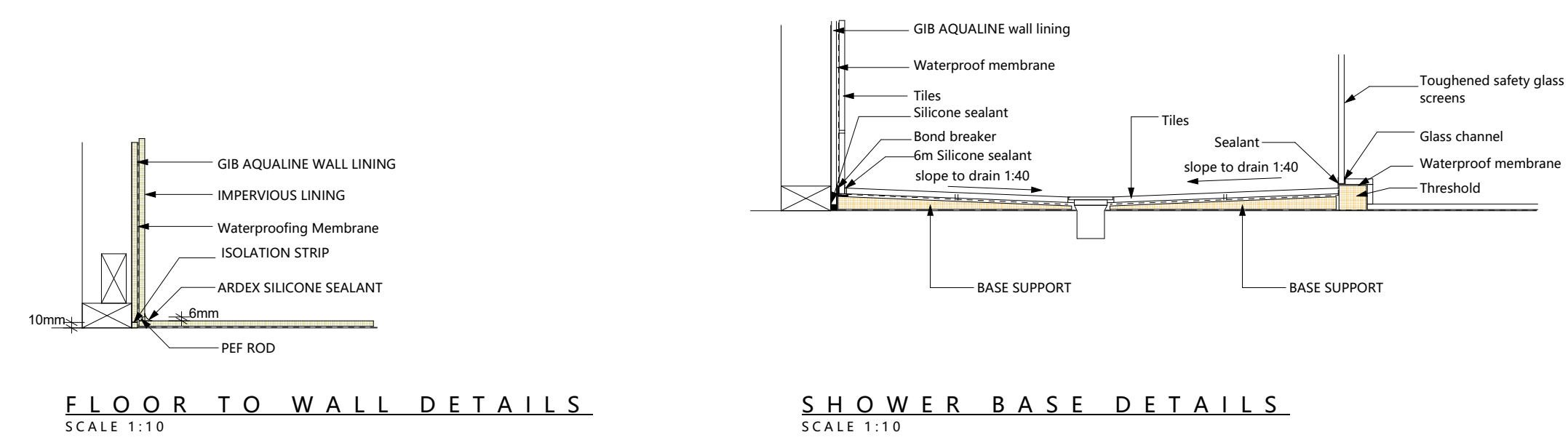
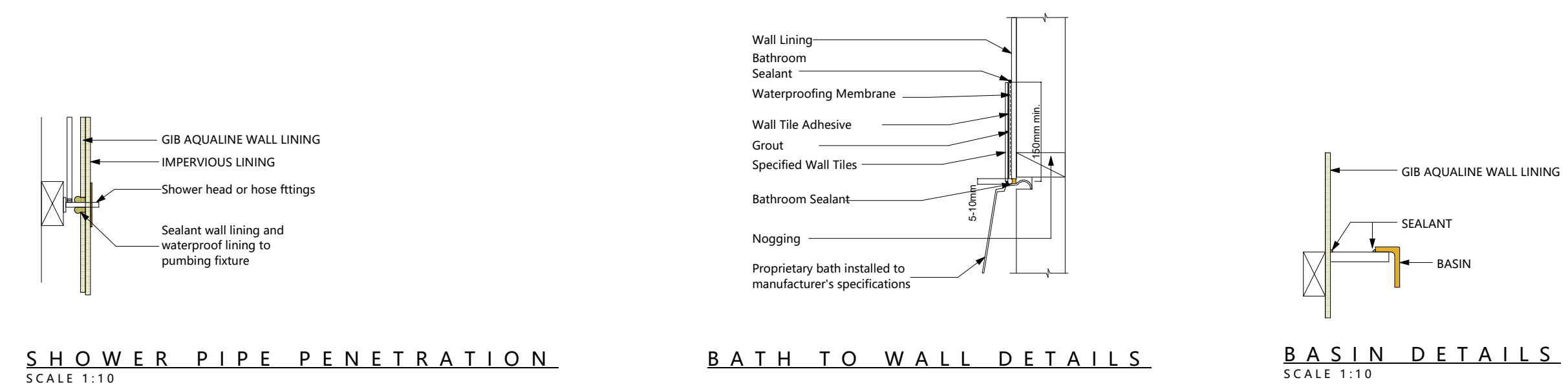
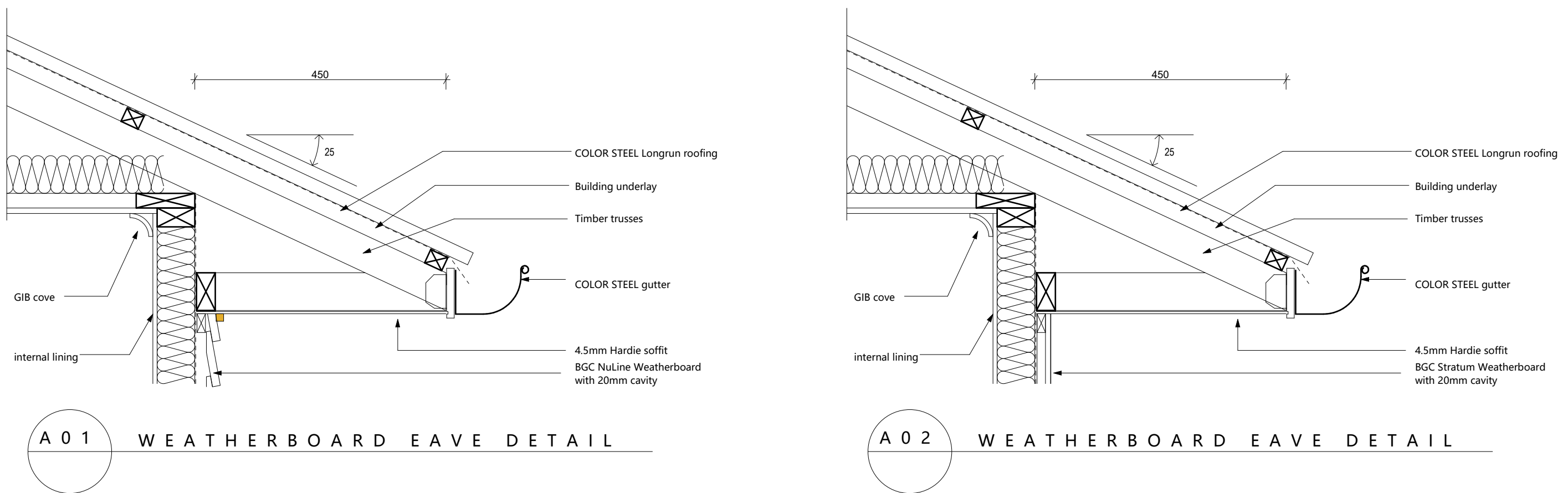
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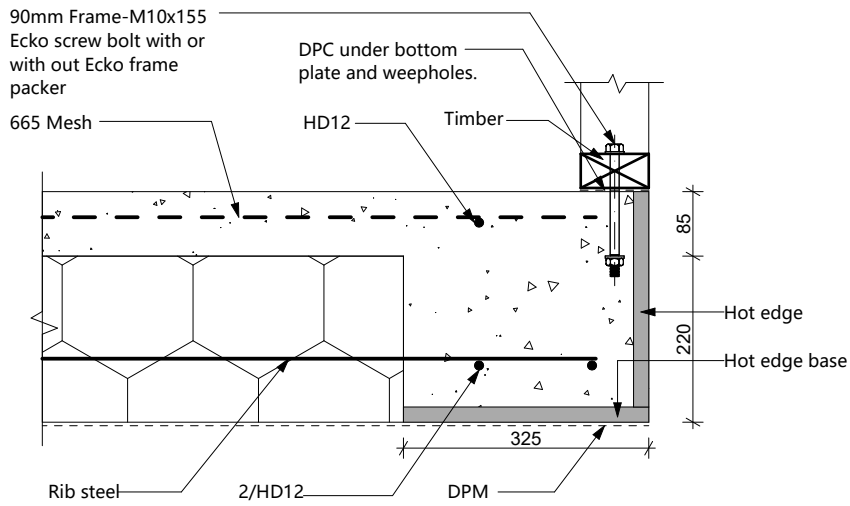
LOT 581,118 Scott Road,
TE KAUWHATA

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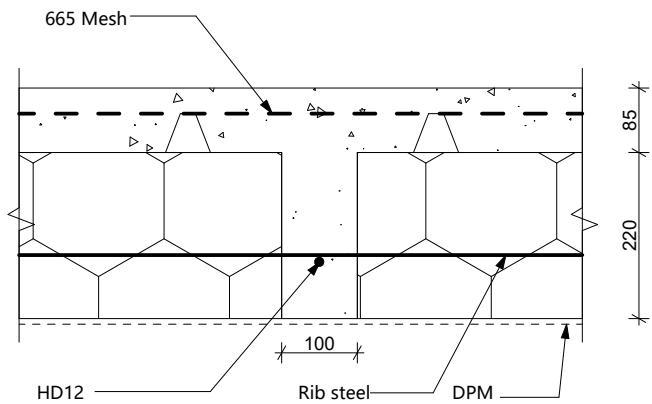
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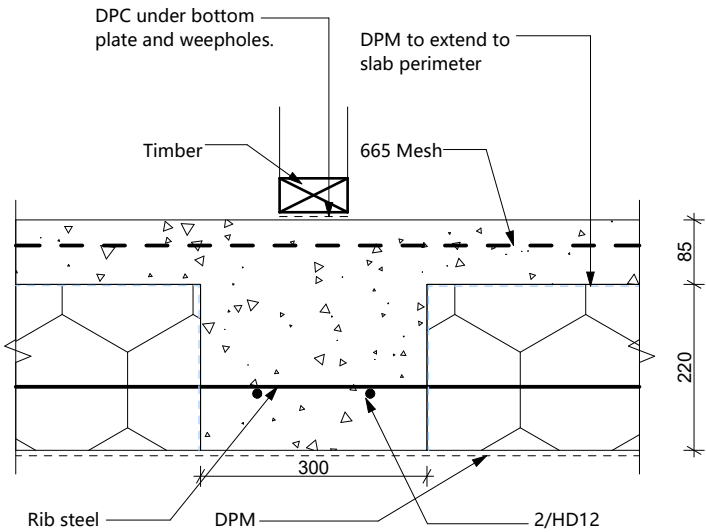




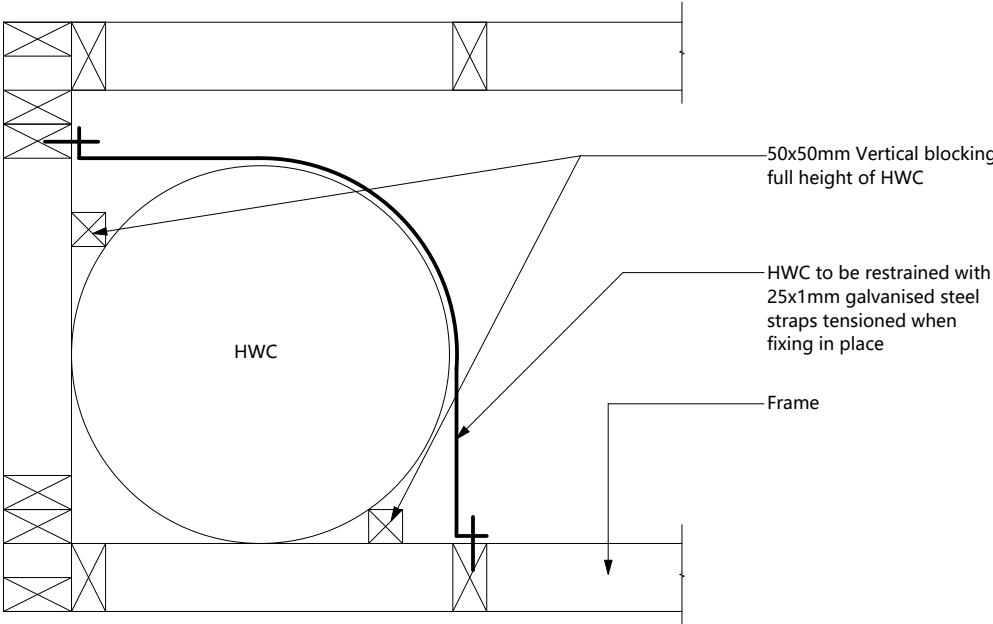
RIBRAFT FOOTING DETAIL



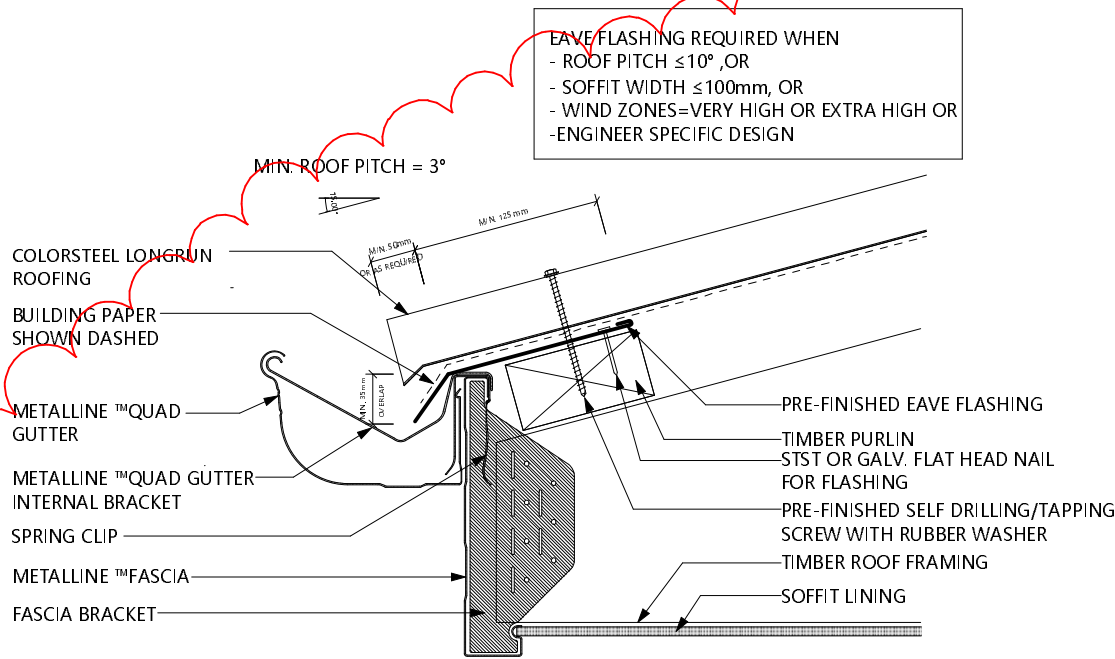
INTERNAL RIB DETAIL



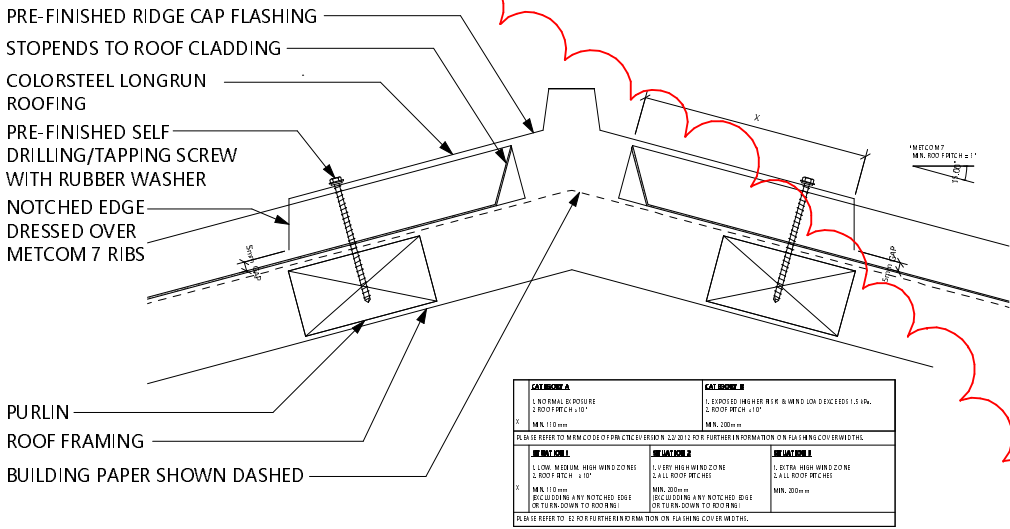
INTERNAL RIB - beam DETAIL



HWC SEISMIC RESTRAINT

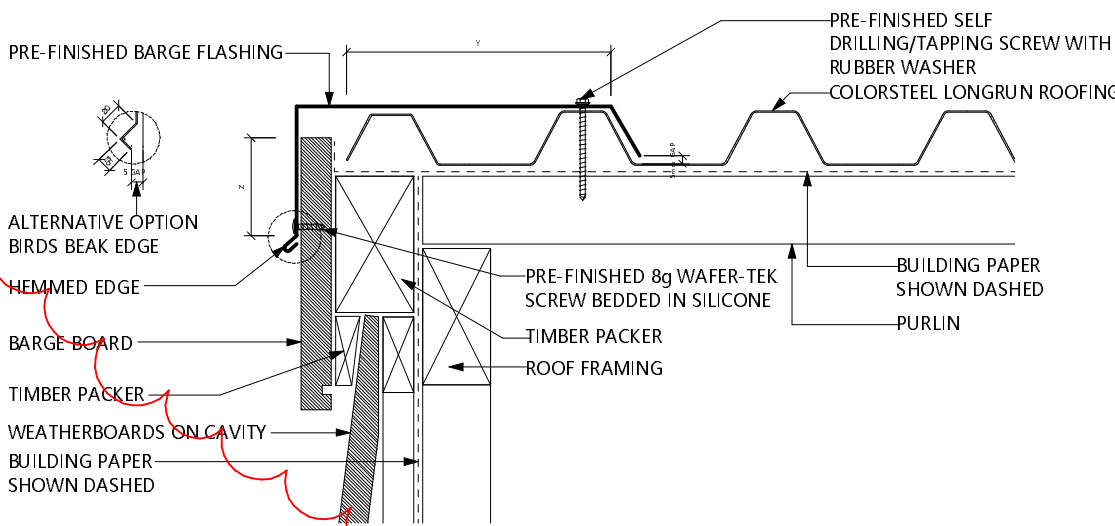


EAVE WITH METALLINE FASCIA

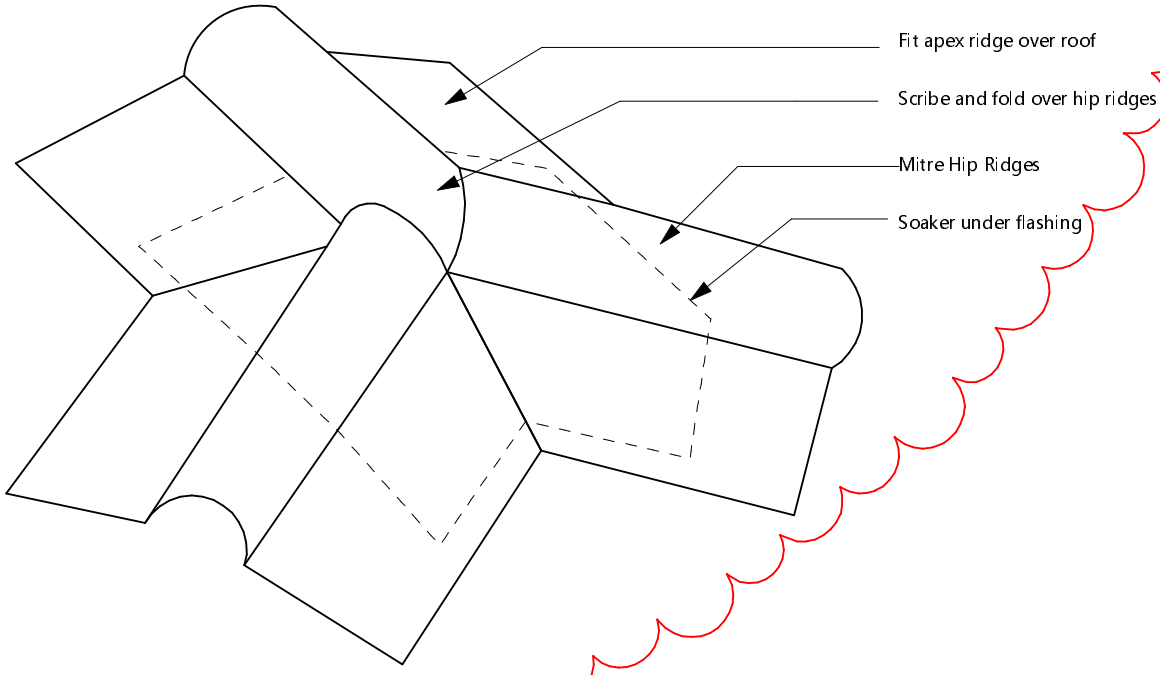


ROOF RIDGE

| ACCEPTABLE SOLUTION AS PER E2/AS1 | | |
|---|--|--------------------------|
| | | |
| SITUATION 1 | SITUATION 2 | SITUATION 3 |
| 1. LOW, MEDIUM, HIGH WIND ZONES | 1. VERY HIGH WIND ZONES | 1. EXTRA HIGH WIND ZONES |
| 2. ROOF PITCH ≥10° | 2. ALL ROOF PITCHES | 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 | 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa | |
| 2. ROOF PITCH >10° | 2. ROOF PITCH <10° | |
| Y ONE RIB (TRAPEZOIDAL&TRAY) | ONE RIB, TWO RIBS (<20mm) (TRAPEZOIDAL&TRAY) | |
| Z CORRUGATIONS (METCOM 7) | 3 CORRUGATIONS (METCOM 7) | |
| Z MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) | MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) | |
| MIN. 75mm (VERTICALLY DOWN FACE - PROFILED) | 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 WITH PROFILED CLADDING



Metal Roofing ridge flashing

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J&J Architecture

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ADDRESS: Level 2, 452 Borman Road, Flagstaff, Hamilton. 3210

EMAIL: jeff@jjarchi.co.nz

Roof Details

Project

LOT 581,118 Scott Road, TE KAUWHATA

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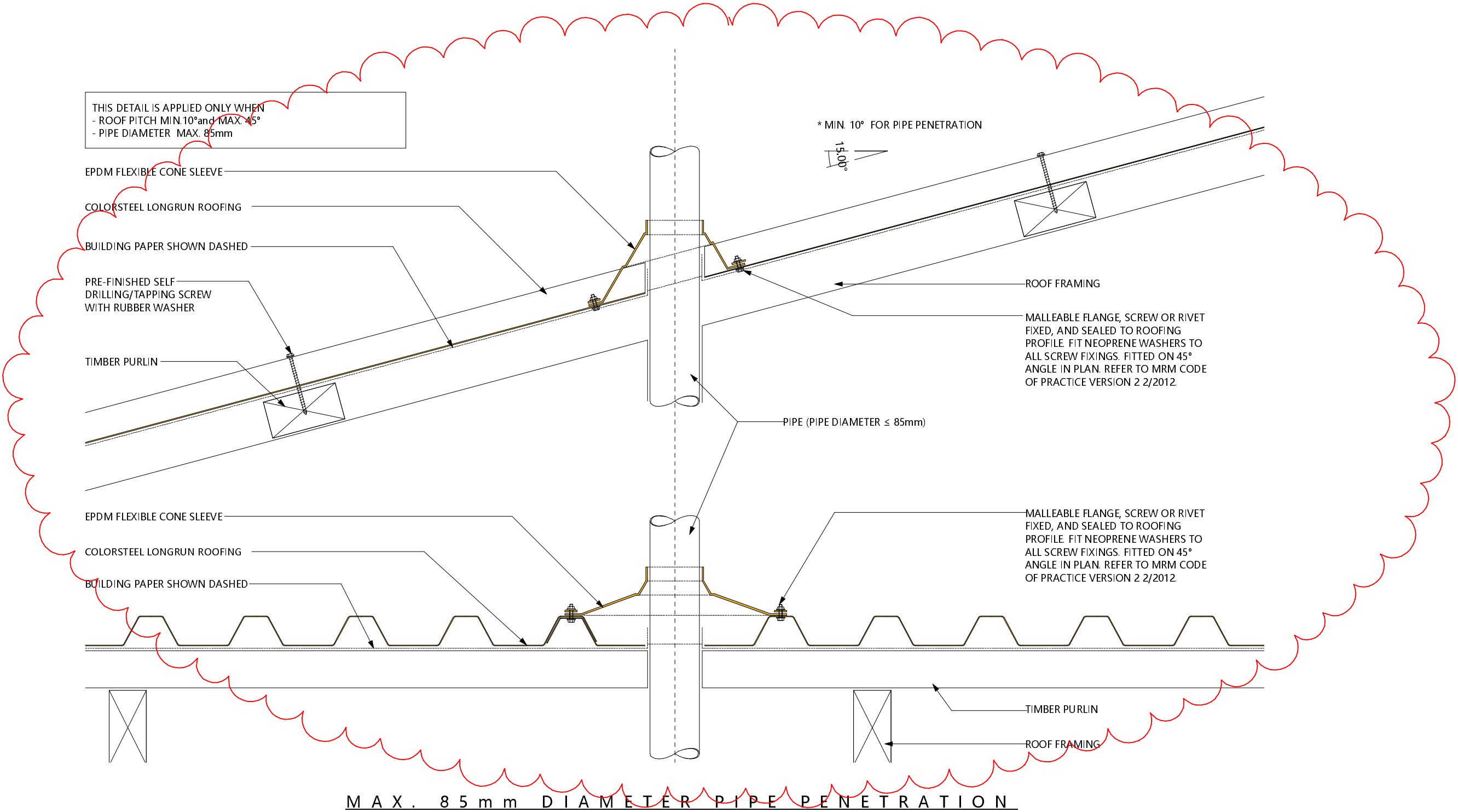
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| DATE | REVISION |
| 30/10/2025 | |

SCALE @ A2

1 : 5

PAGE

A403



DO NOT SCALE DRAWINGS.
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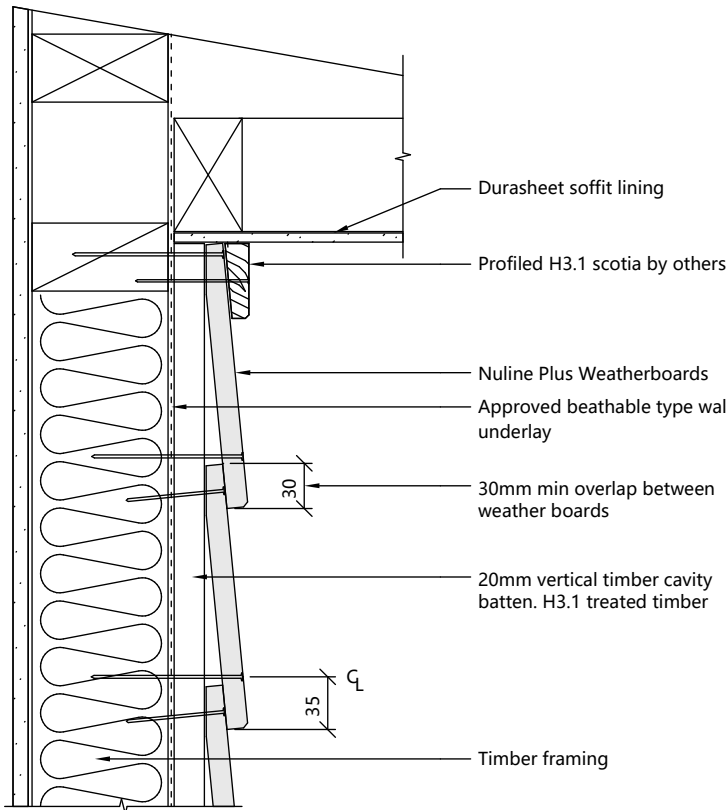
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| DATE | REVISION |
| 30/10/2025 | |

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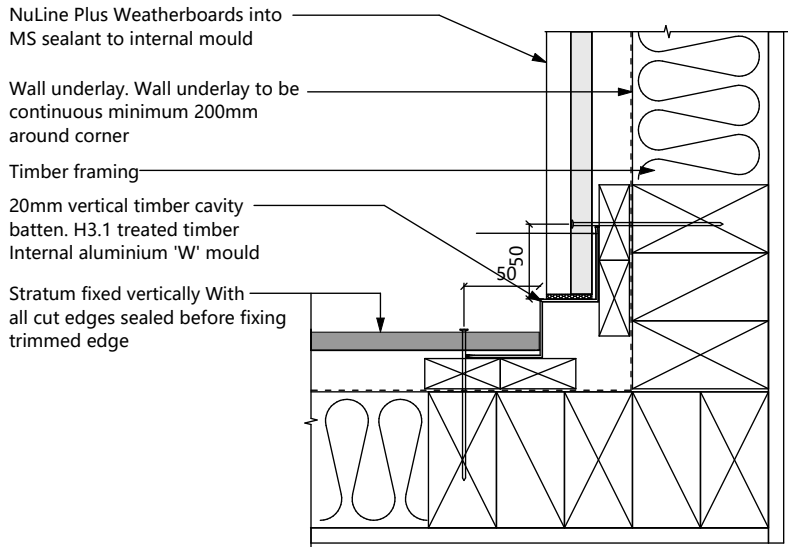
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1 : 5

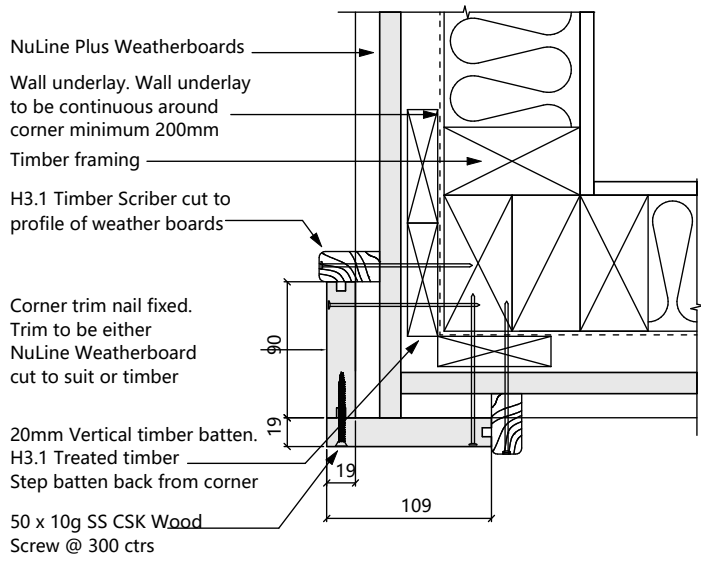
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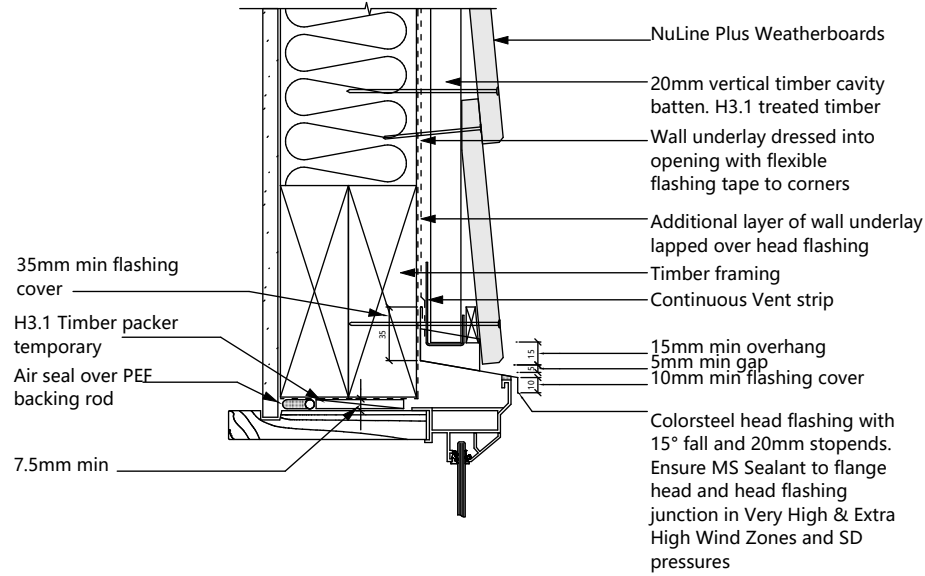
Soffit Detail



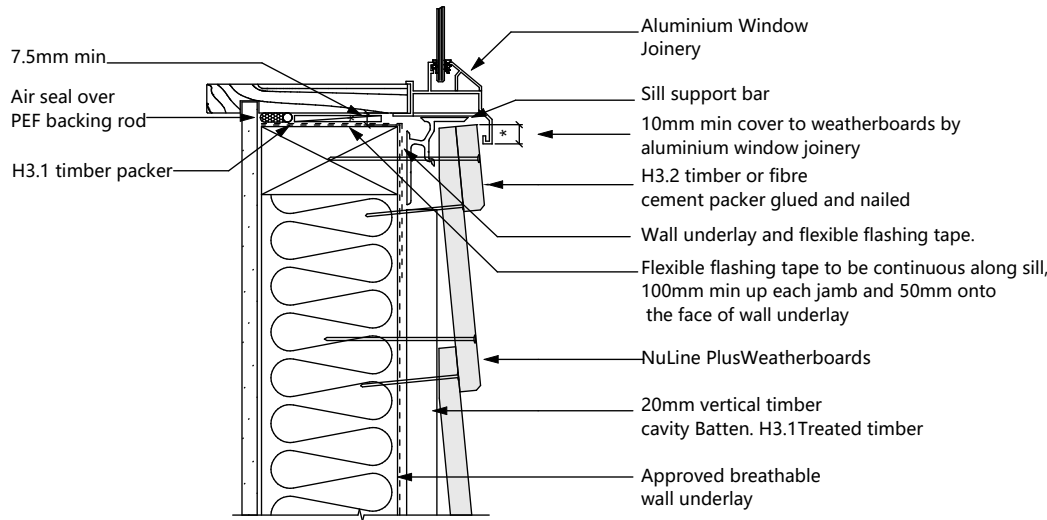
Internal Corner Detail with Profile



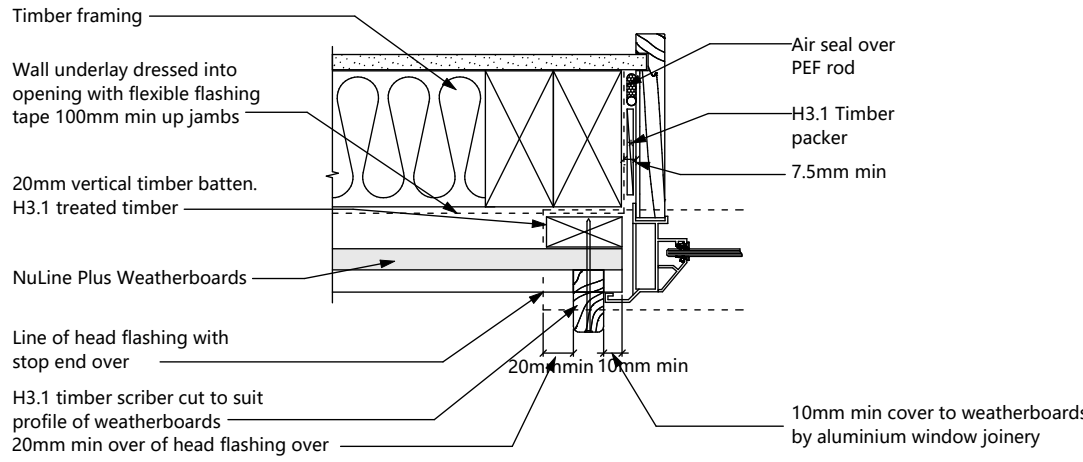
External Boxed Corner



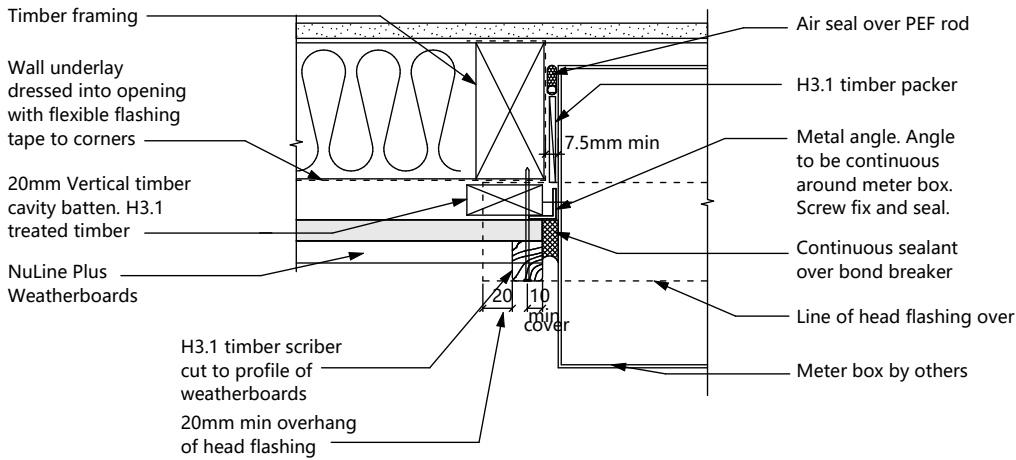
Window Head



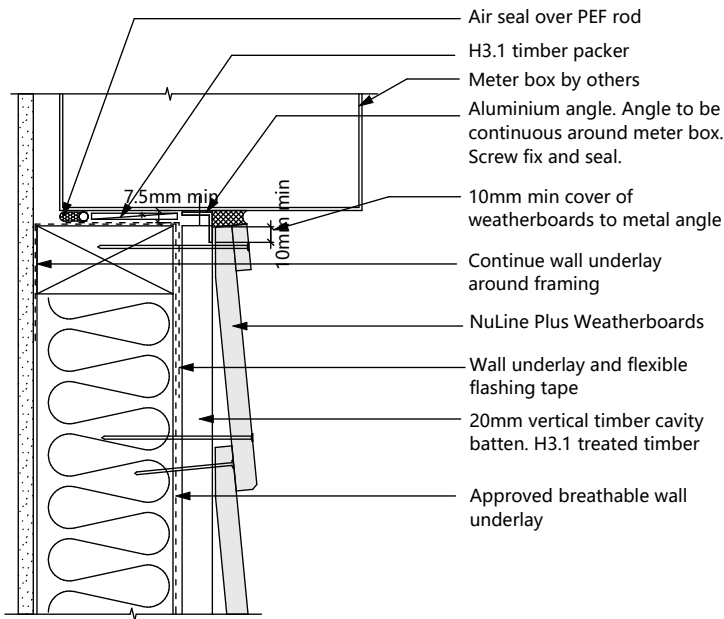
Window Sill



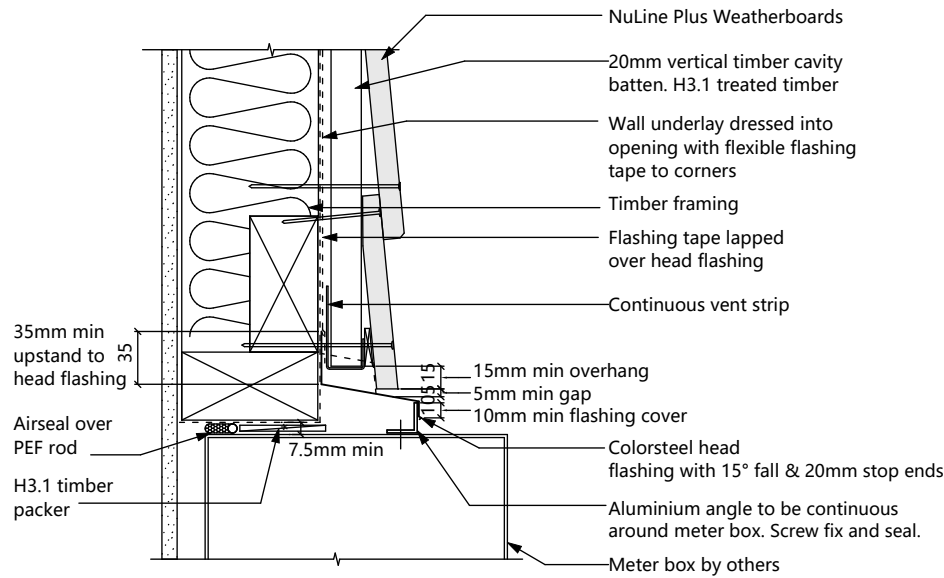
Window Jamb



Meter Box Jamb



Meter Box Sill



Meter Box Head

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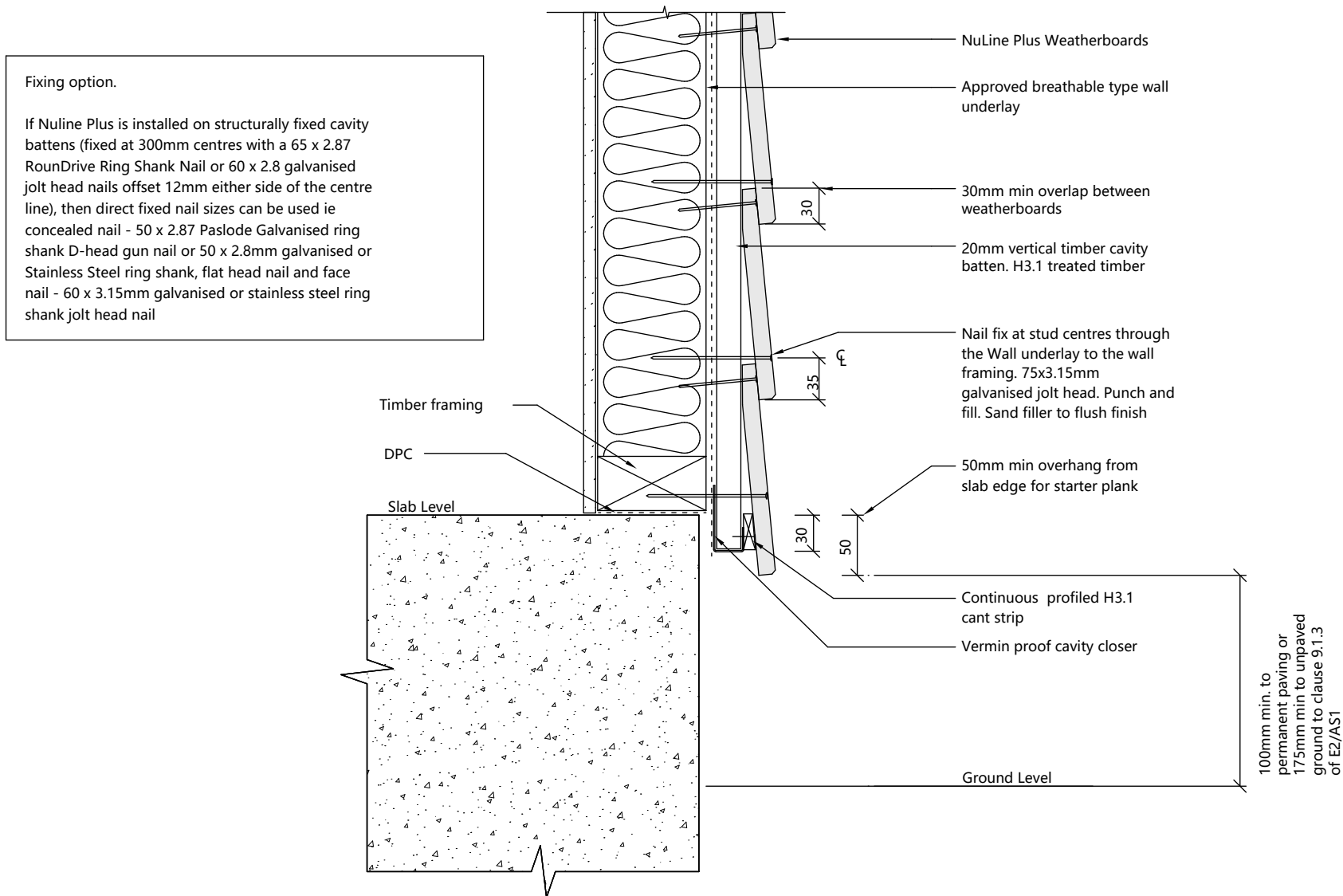
LOT 581, 118 Scott Road,
TE KAUWHATA

Cladding Details

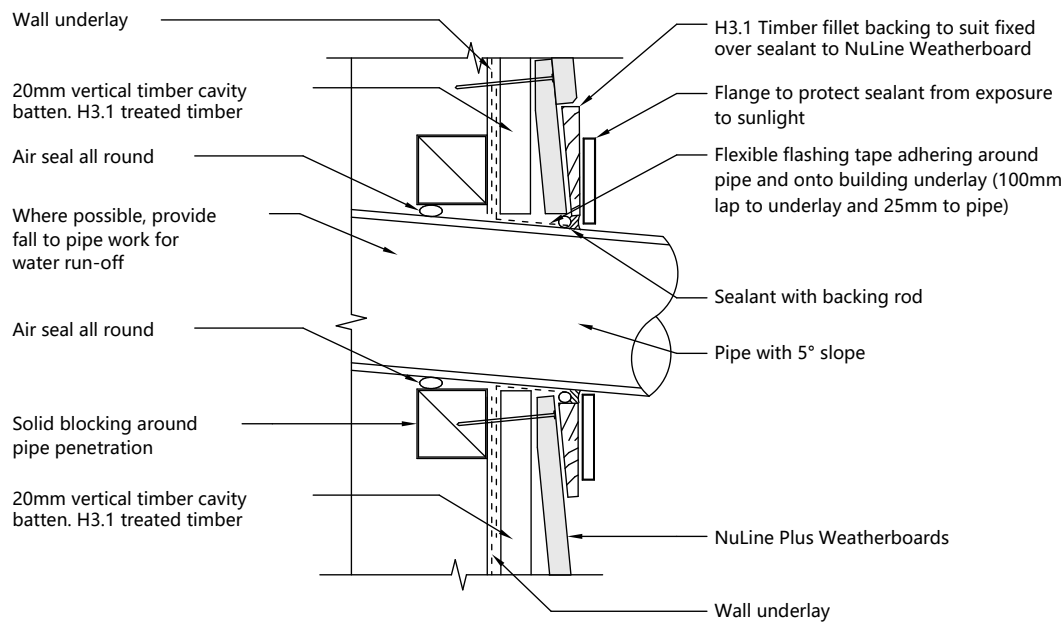
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| DATE | REVISION |
| 26/09/2025 | |

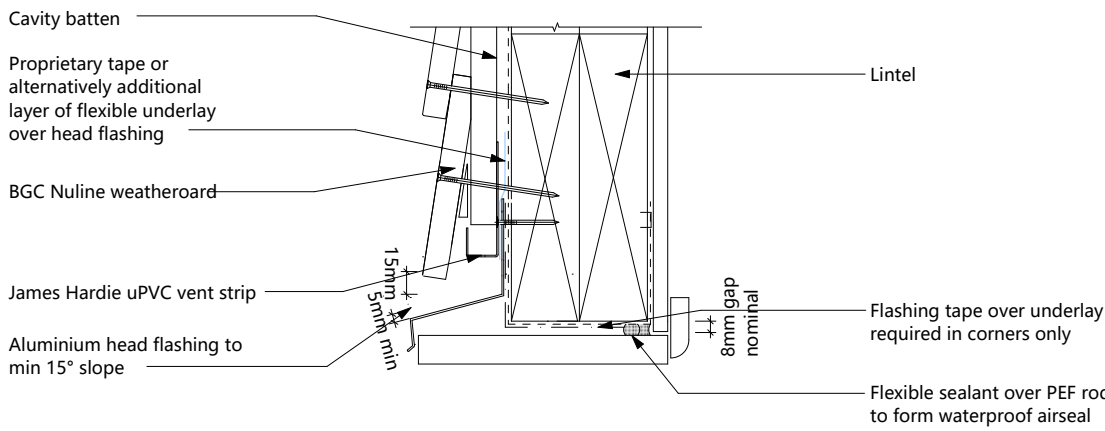
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| SCALE @ A2 | 1 : 5 |
| PAGE | A405 |



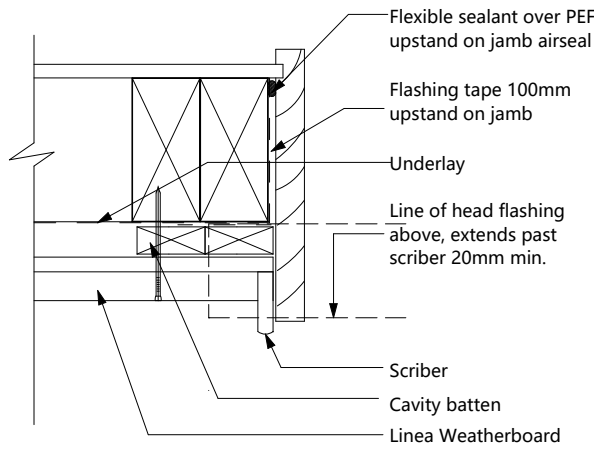
Foundation Detail



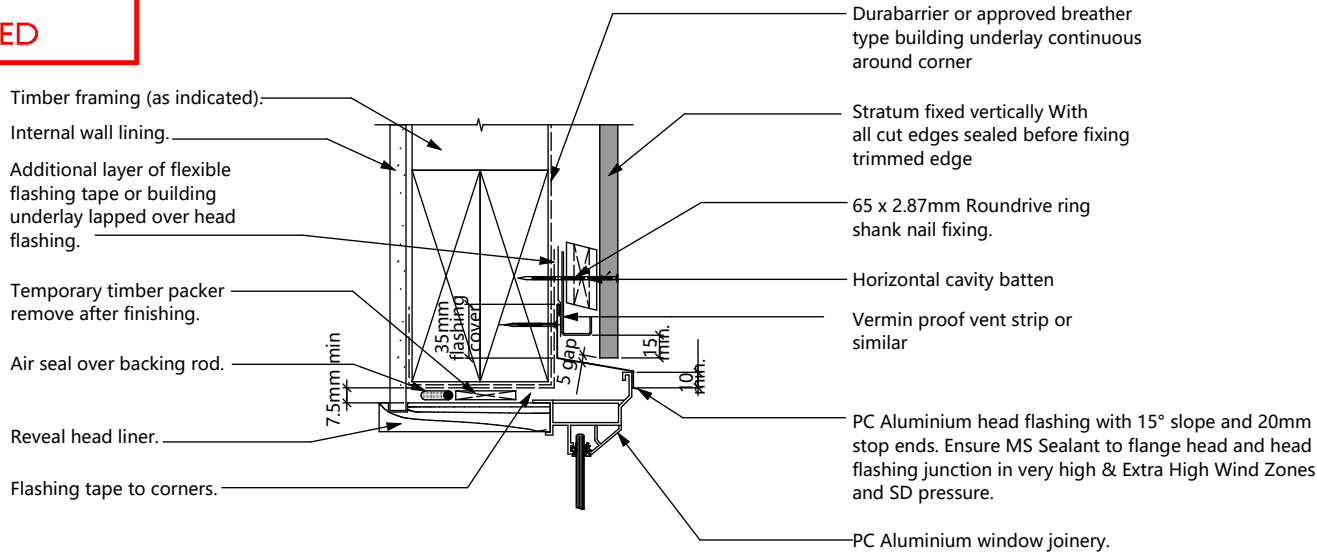
Pipe Penetration Detail



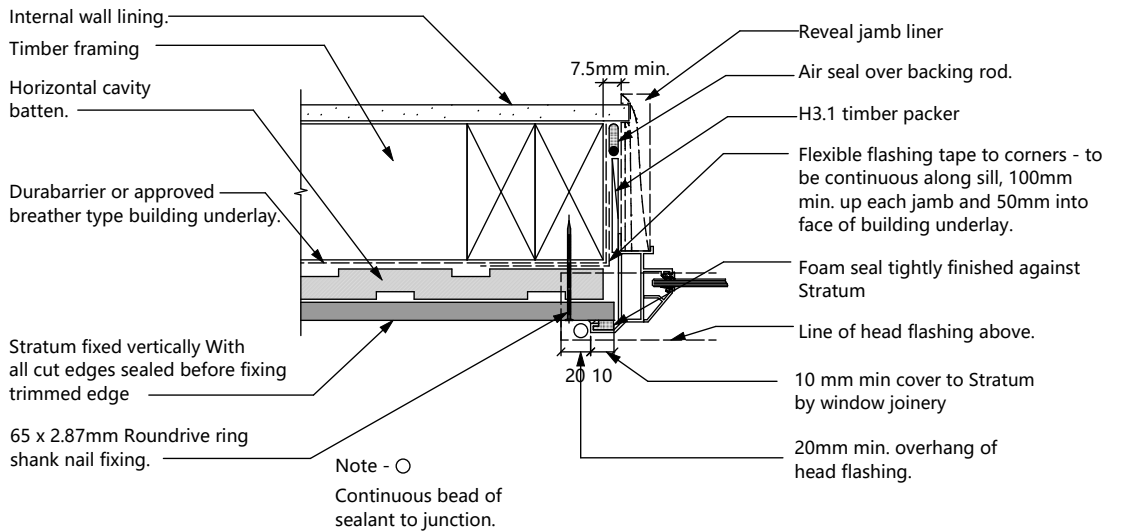
Timber Cavity Garage Door Head



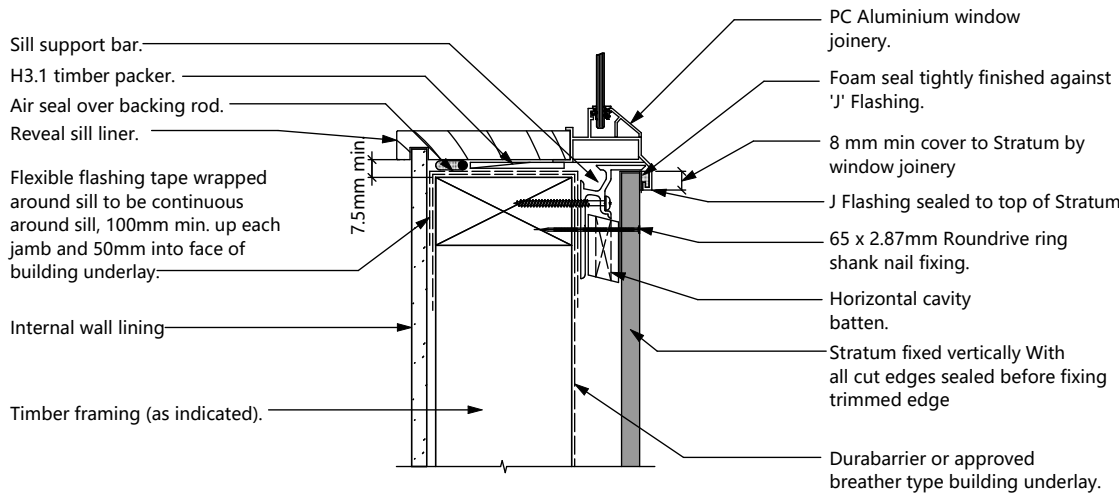
Timber Cavity Garage Door Jamb



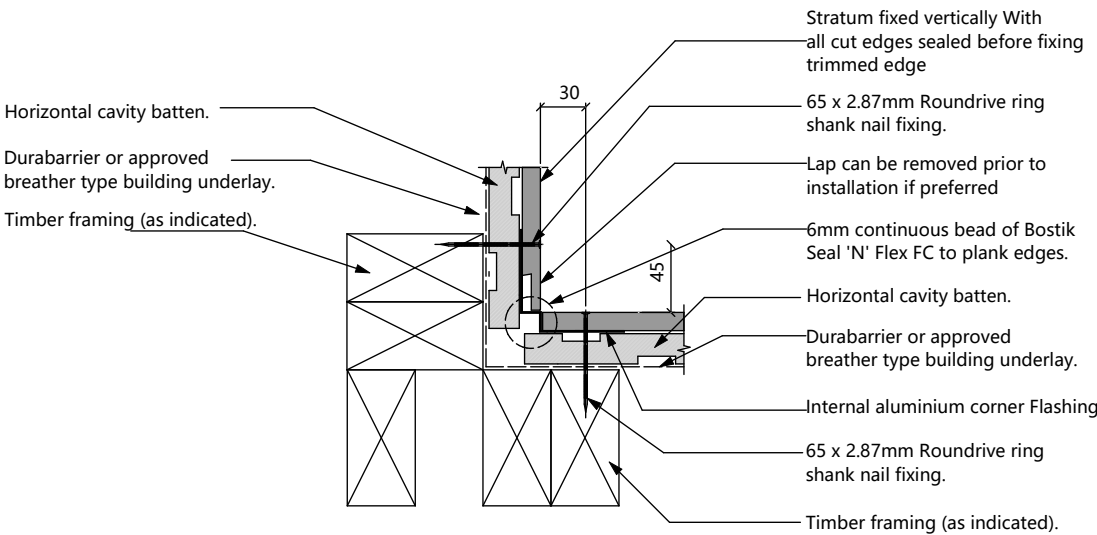
Window Head Detail



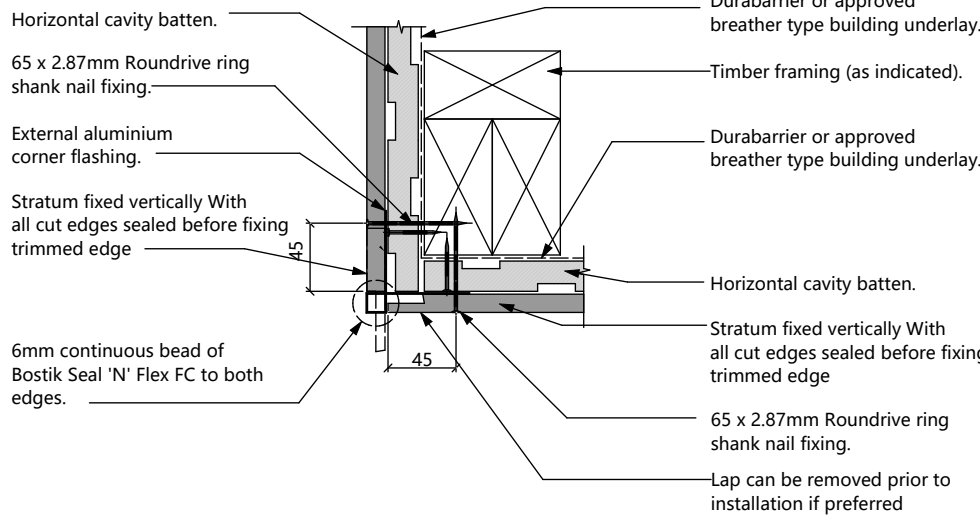
Window Jamb Detail



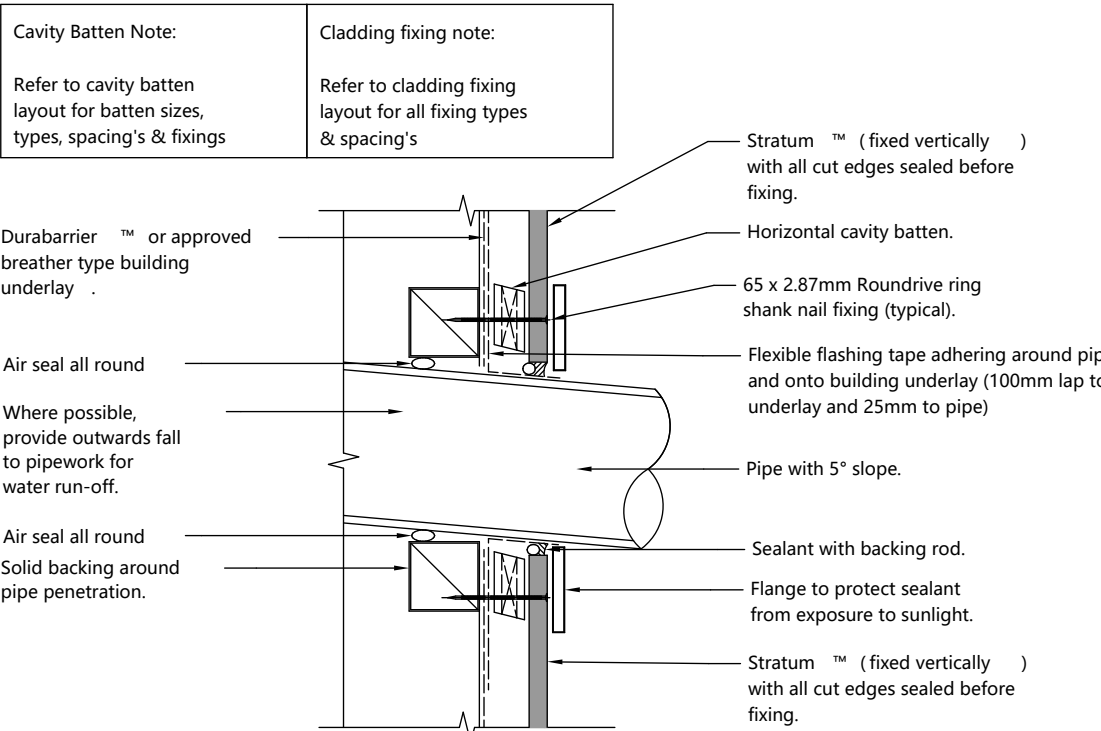
Window Sill Detail



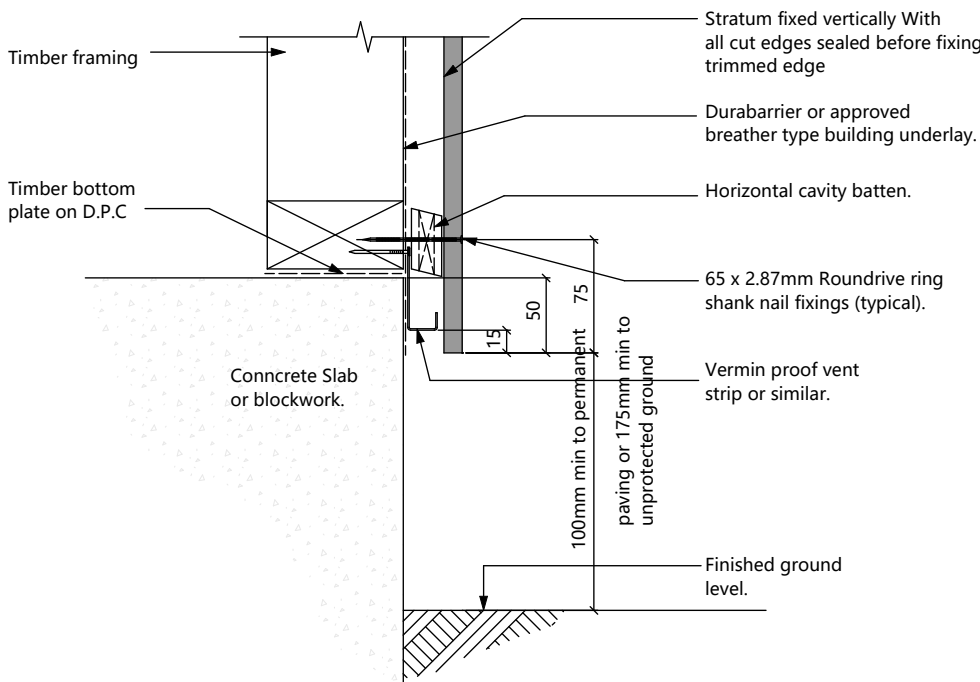
Internal Corner Detail



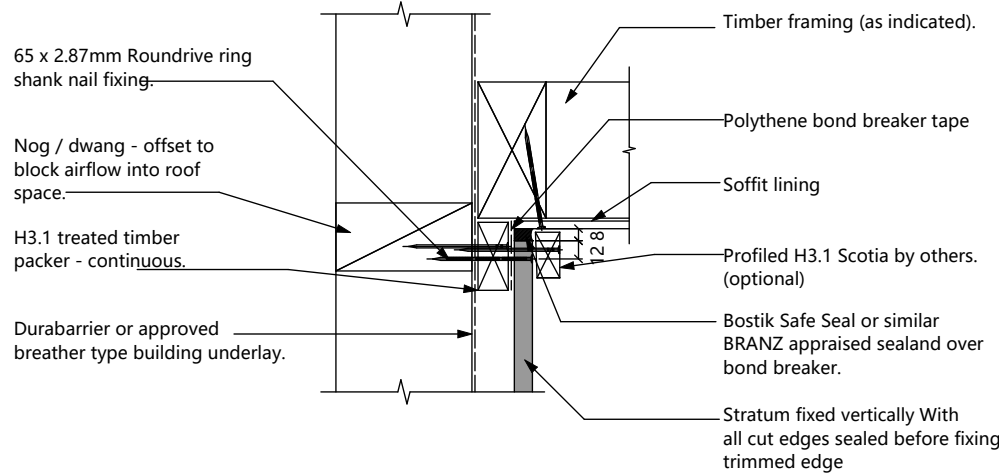
External Corner Detail



Pipe Penetration Detail



Foundation Detail



Soffit Detail

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| REVISION | |
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| Detailed design | |
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| DATE | REVISION |
| 26/09/2025 | |

SCALE @ A2

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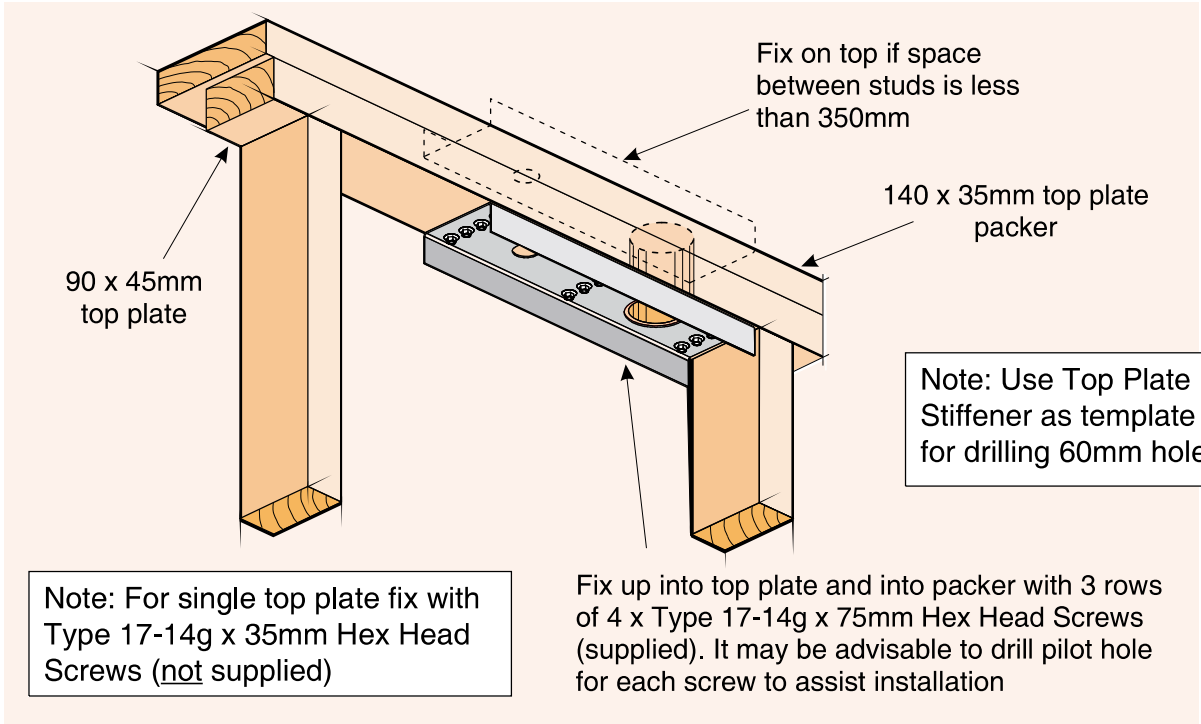
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A407

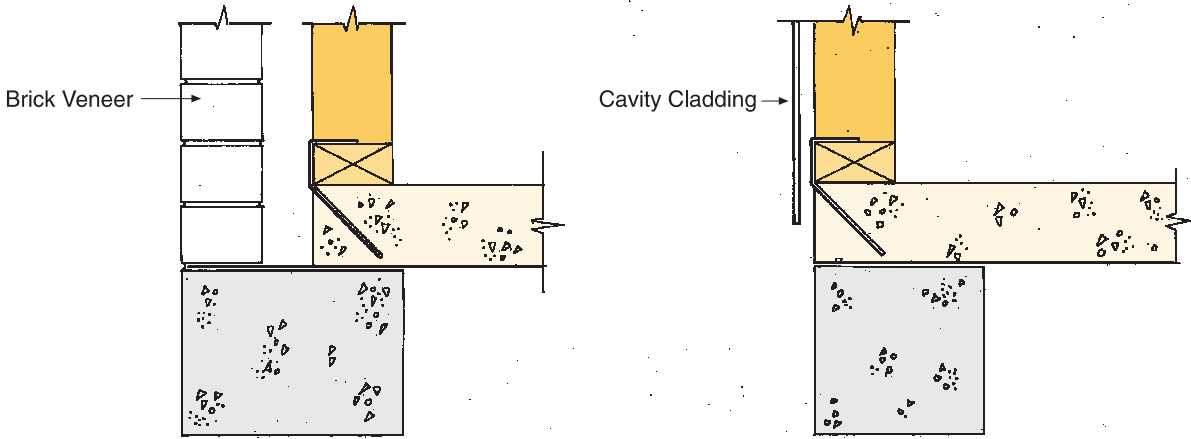
1. MIN OVERALL ROOF TRUSS SPAN
12m.
2. ALL PURLIN AND BATTEN SIZES AS
PER NZS 3604: 2011
3. THESE FIXINGS ASSUME PURLINS OR
BATTENS ARE FIXED TO TOP OF
TRUSS OR RAFTER
4. "LUMBERLOK BLUE SCREW"
REQUIRES A MIN OF 30mm
PENETRATION INTO THE TRUSS TOP
CHORD OR RAFTER TO PROVIDE THE
LOADS SPECIFIED.

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
CONNECTIONSD WHERE THE
ADJACENT RAFTER/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.



TOP PLATE STIFFENER

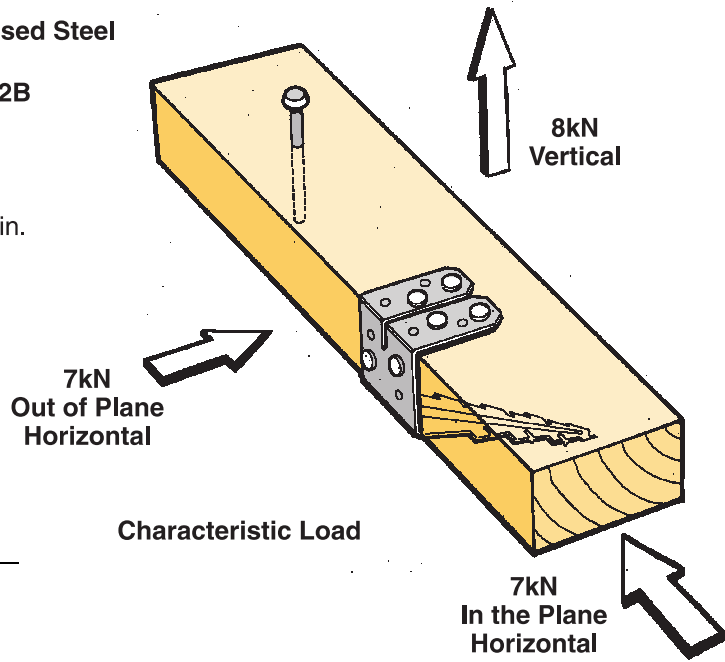


BRICK VENEER

CAVITY CLADDING

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

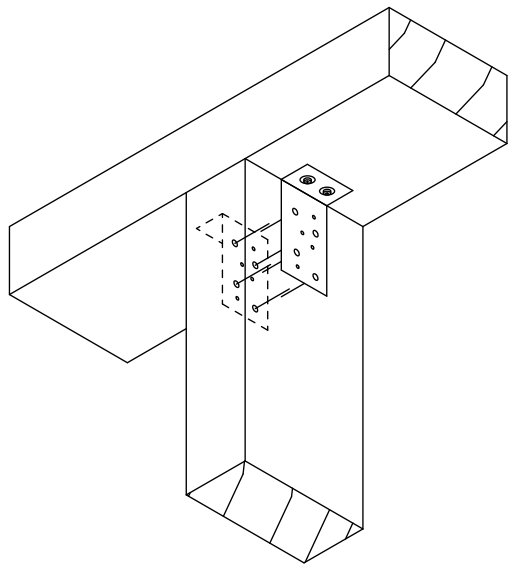
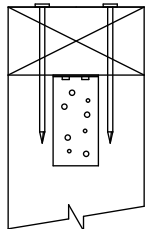
Design Loads
Concrete compressive strength 20 MPa min.



BOTTOM FIXING

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.



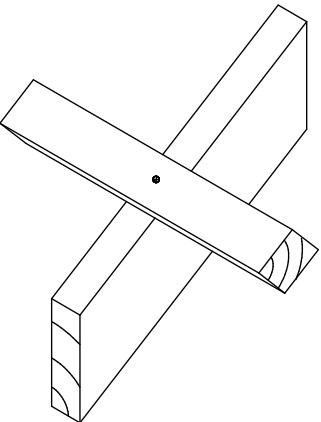
Plus
2 x LUMBRLOK CPC40

TYPE C

FIXING TYPE C 2.40kN

PURLIN

1 SCREW



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

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

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Building Act 2004, all statutory and
regulatory authorities and Building
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**J&J Architecture**

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Fixing Details

Project **LOT 581,118 Scott Road,
TE KAUWHATA**

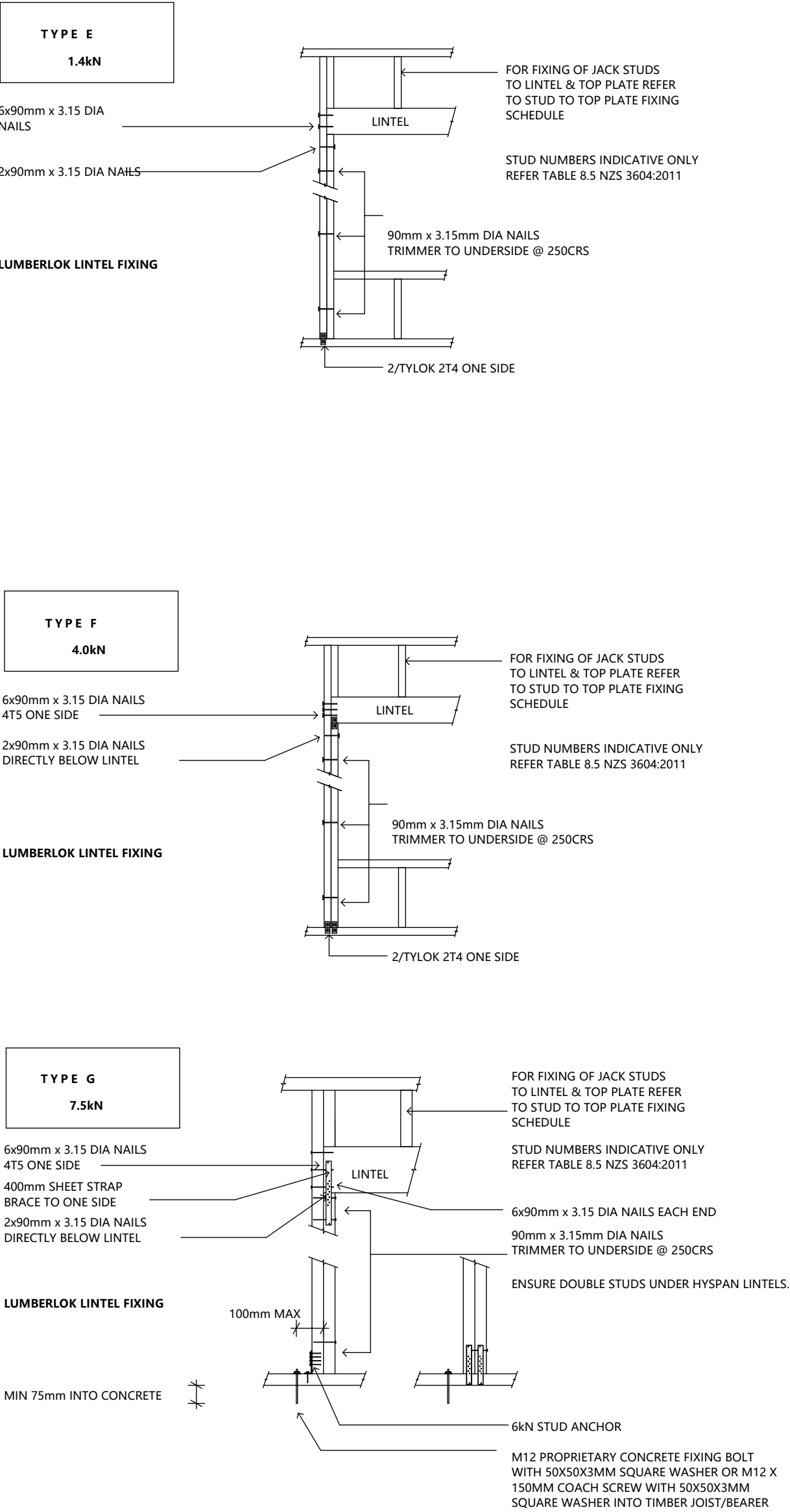
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| SCALE @ A2 |
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| A408 |

SELECTION CHART FOR LINTEL FIXING

| 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 | 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 | - | - |
| 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 | - | - |



LINTEL FIXING SCHEDULE

ALTERNATIVE SOLUTION TO NZS 3604:2011

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

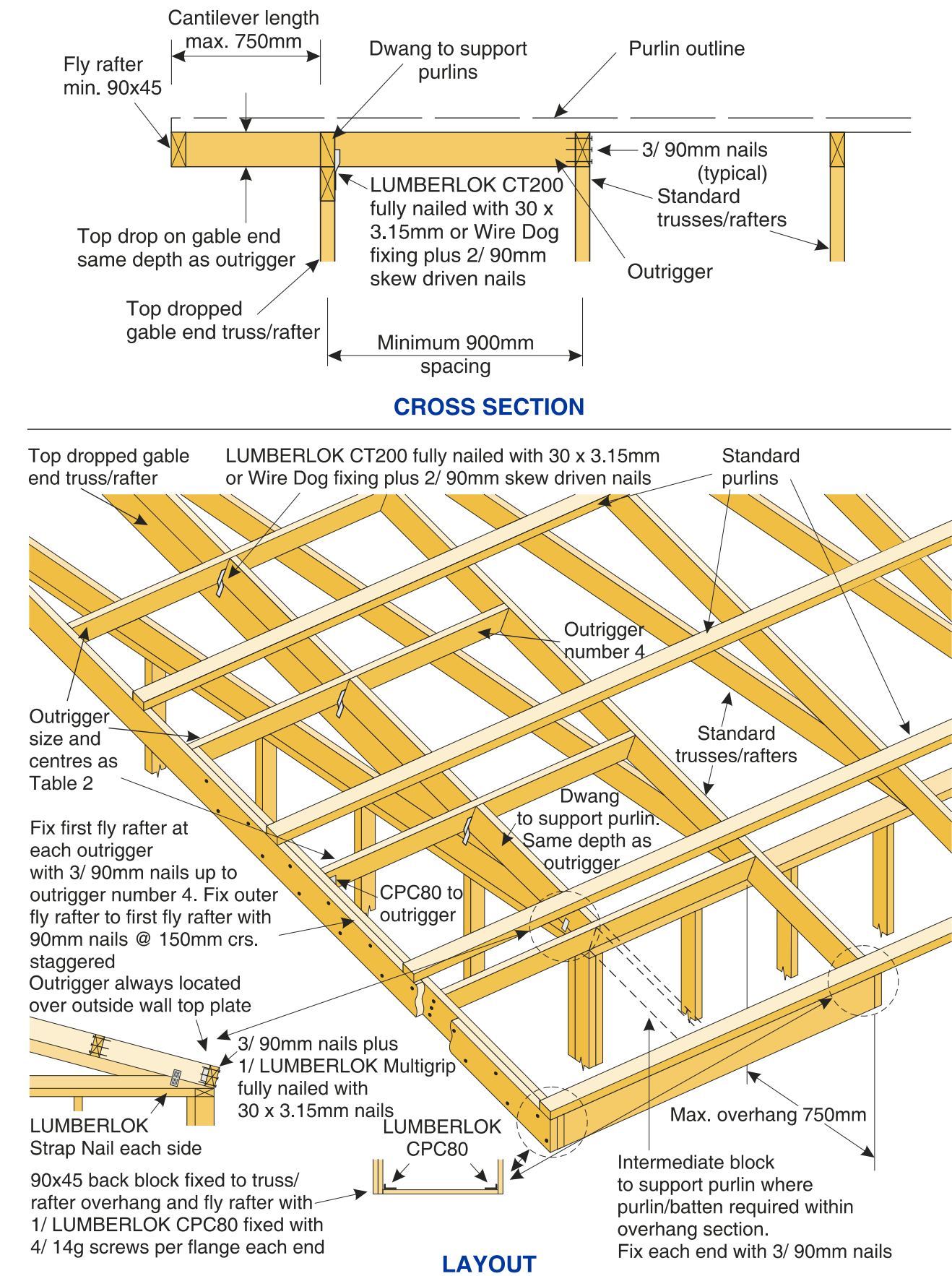
Lintel Supporting Girder Trusses:

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

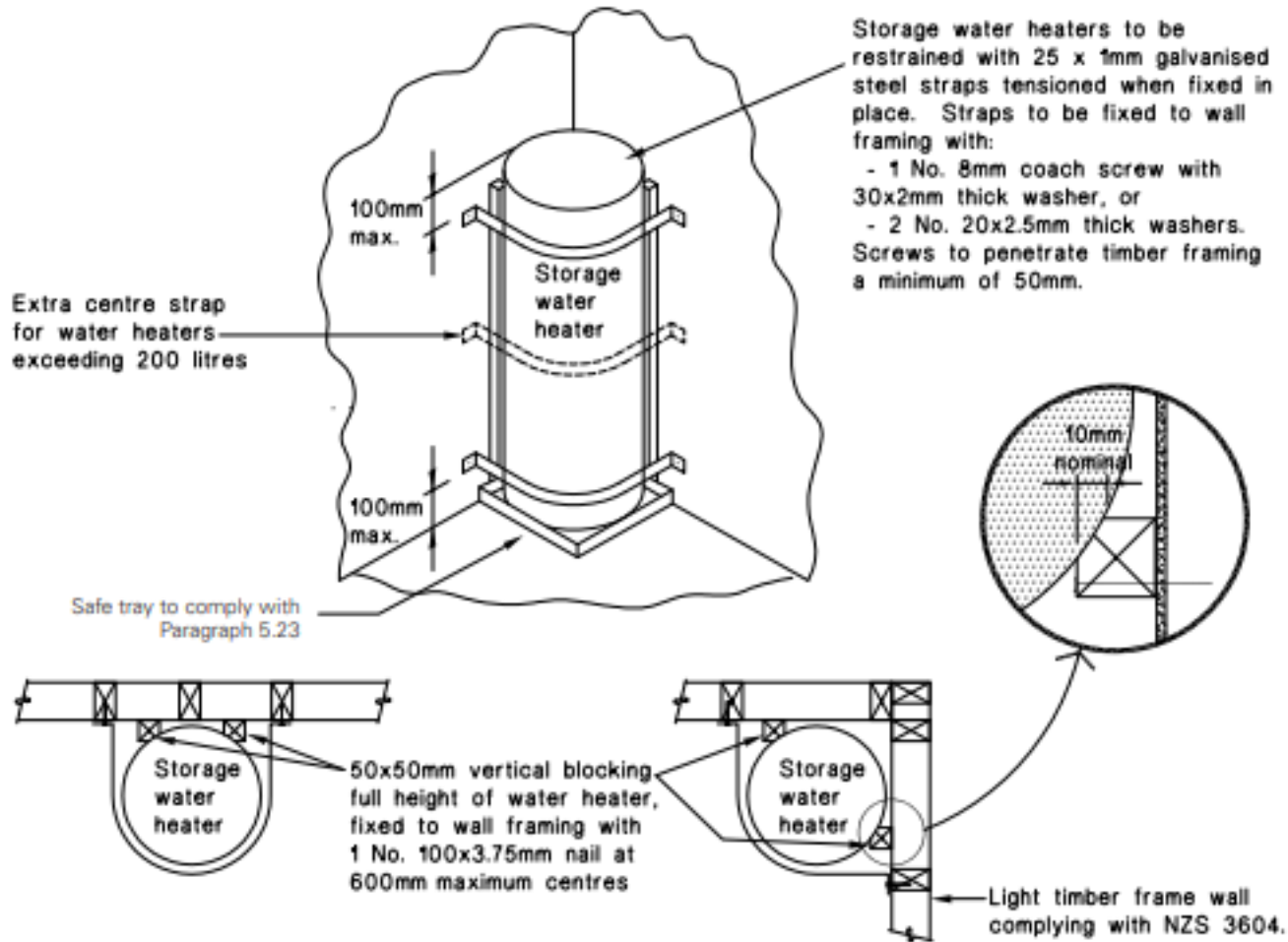
CONSTRUCTION DETAILS FOR
CANTILEVER OUTRIGGER OPTION

(SPANS & CENTRES AS PER TABLE 2)



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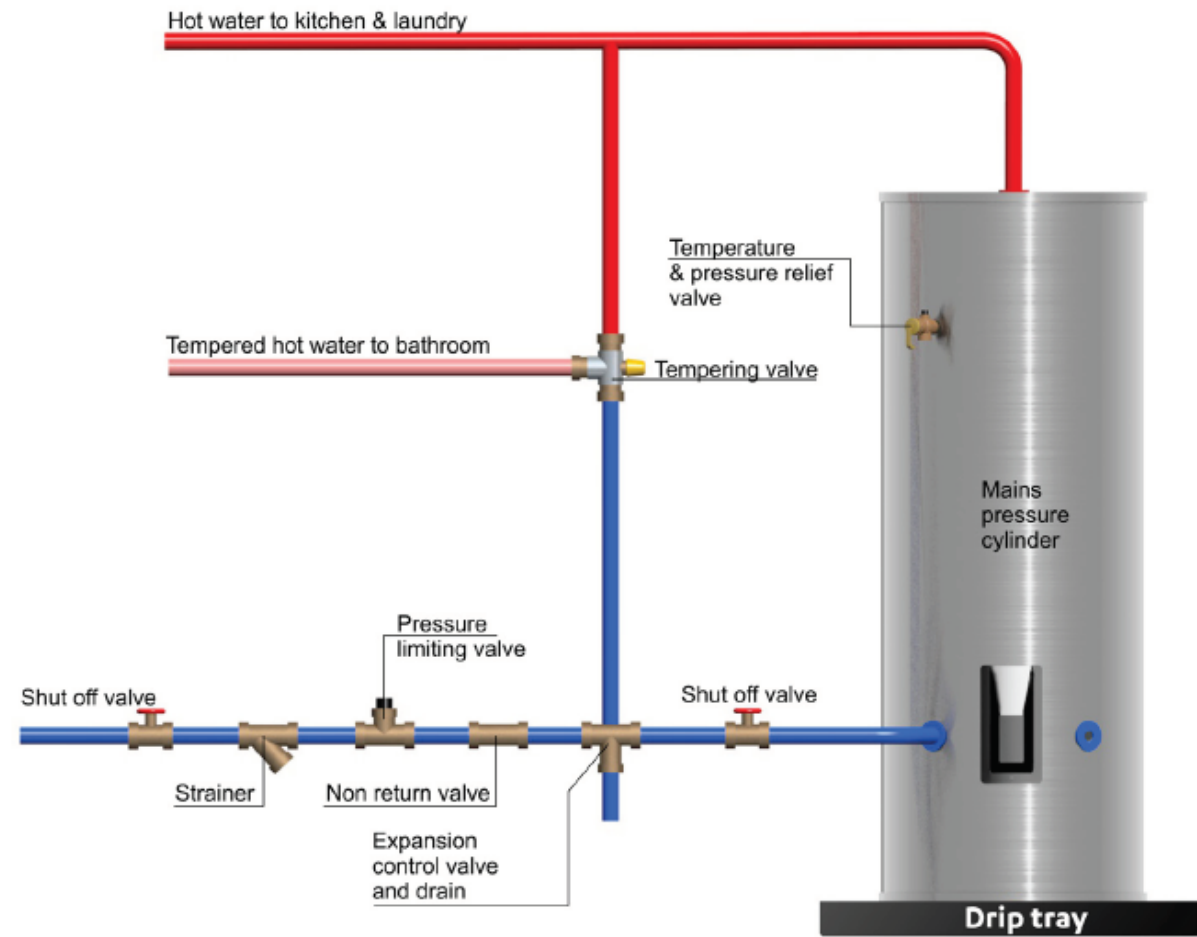
Figure 14: Seismic Restraint of Storage Water Heaters 90 – 360 litres
Paragraph 6.11.4



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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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

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Fixing Details

| REVISION |
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| Detailed design | |
|-----------------|----------|
| DATE | REVISION |
| 26/09/2025 | |

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