

1 RIVER GARDENS

for



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|-------|---------------------------------|
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Date Received: 26/02/2026  
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Number of pages: 39

Waikato District Council  
Building Consent Number  
BLD0747/26  
  
APPROVED



SPECIFIC PAGE NOTES:

REVISIONS:

SHEET TITLE:

INDEX

SCALE:

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:  
1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:  
LOT 44 DP586983

|            |          |                |
|------------|----------|----------------|
| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
| HIGH       | 1        | B              |



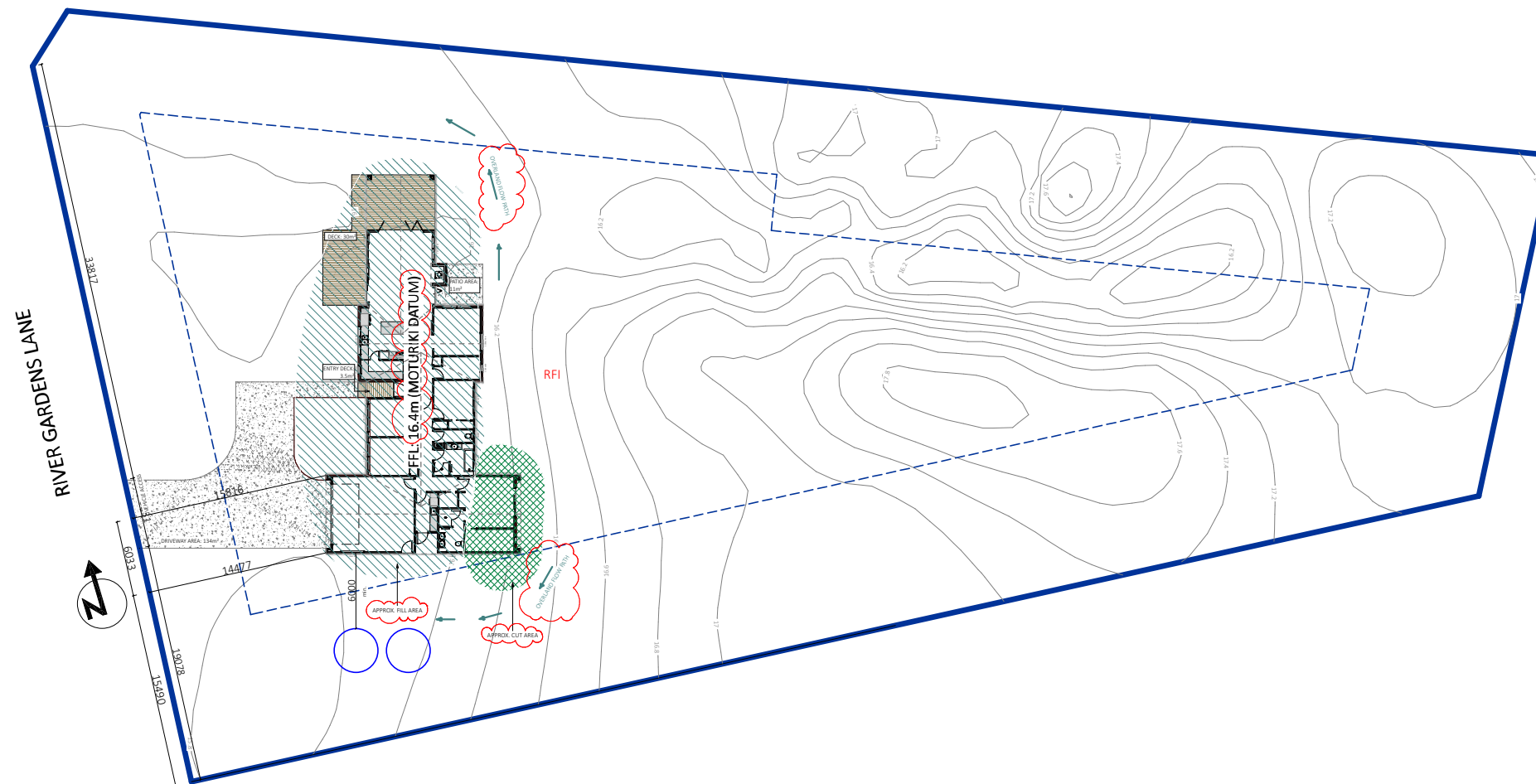
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SHEET: 1

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|      | VOLUME (m <sup>3</sup> ) | AREA (m <sup>2</sup> ) | DEPTH (m) |
|------|--------------------------|------------------------|-----------|
| CUT  | 9                        | 60                     | 0.3m MAX. |
| FILL | 39                       | 400                    | 0.3m MAX. |

SPECIFIC PAGE NOTES:

SITE AREA: 5022m<sup>2</sup>  
COVERED AREA: 276m<sup>2</sup> / 5.4%  
IMPERMEABLE SURFACES: 420m<sup>2</sup> / 8.3 %

- LOCATE & CONFIRM ALL BOUNDARY PEG POSITIONS PRIOR TO SET OUT.
- ALL SET OUT DIMENSIONS ARE FROM BOUNDARY TO FOUNDATION PERIMETER
- ALL **EROSION AND SEDIMENT** CONTROLS MAY CONSIST OF BUT ARE NOT LIMITED TO THE FOLLOWING:
  - EARLY STORMWATER DRAINAGE CONNECTION
  - INSTALL PERIMETER CONTROLS
  - REDUCE SEDIMENT RUN-OFF
  - CONCRETE WASH-OFF CONTAINED ON SITE
  - DIVERT OVERLAND FLOW AWAY FROM DISTURBED SOILS
  - UTILISE ONE MAIN CONSTRUCTION AREA WITH WEATHER SHELTER TO MINIMISE RUN-OFF

## CONSTRUCTION AND DEMOLITION

**HAZARDS (NZBC F5.3.2 & F5.3.3):**  
CONSTRUCTION ACTIVITIES WILL BE UNDERTAKEN IN A MANNER THAT PREVENTS INJURY TO PERSONS AND DAMAGE TO PROPERTY. THE SITE WILL BE SECURED WITH SUITABLE FENCING AND SIGNAGE FOR THE DURATION OF CONSTRUCTION. PUBLIC ACCESS WILL BE RESTRICTED, AND PROTECTIVE BARRIERS WILL BE PROVIDED WHERE REQUIRED TO PREVENT HAZARDS FROM FALLING MATERIALS.

ALL WORK WILL COMPLY WITH NZBC  
CLAUSE F5 AND HEALTH AND SAFETY  
AT WORK REGULATIONS 2016.

REVISIONS:

RFI

SHEET TITLE:

## SITE PLAN

SCALE: 1:500 @ A3

DATE: 26/02/2026

**PROJECT DESCRIPTION:**

1 RIVER GARDENS LANE

**SITE ADDRESS:**  
1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:  
LOT 44 DP586983

|                    |               |                     |
|--------------------|---------------|---------------------|
| WIND ZONE:<br>HIGH | EQ ZONE:<br>1 | EXPOSURE ZONE:<br>B |
|--------------------|---------------|---------------------|



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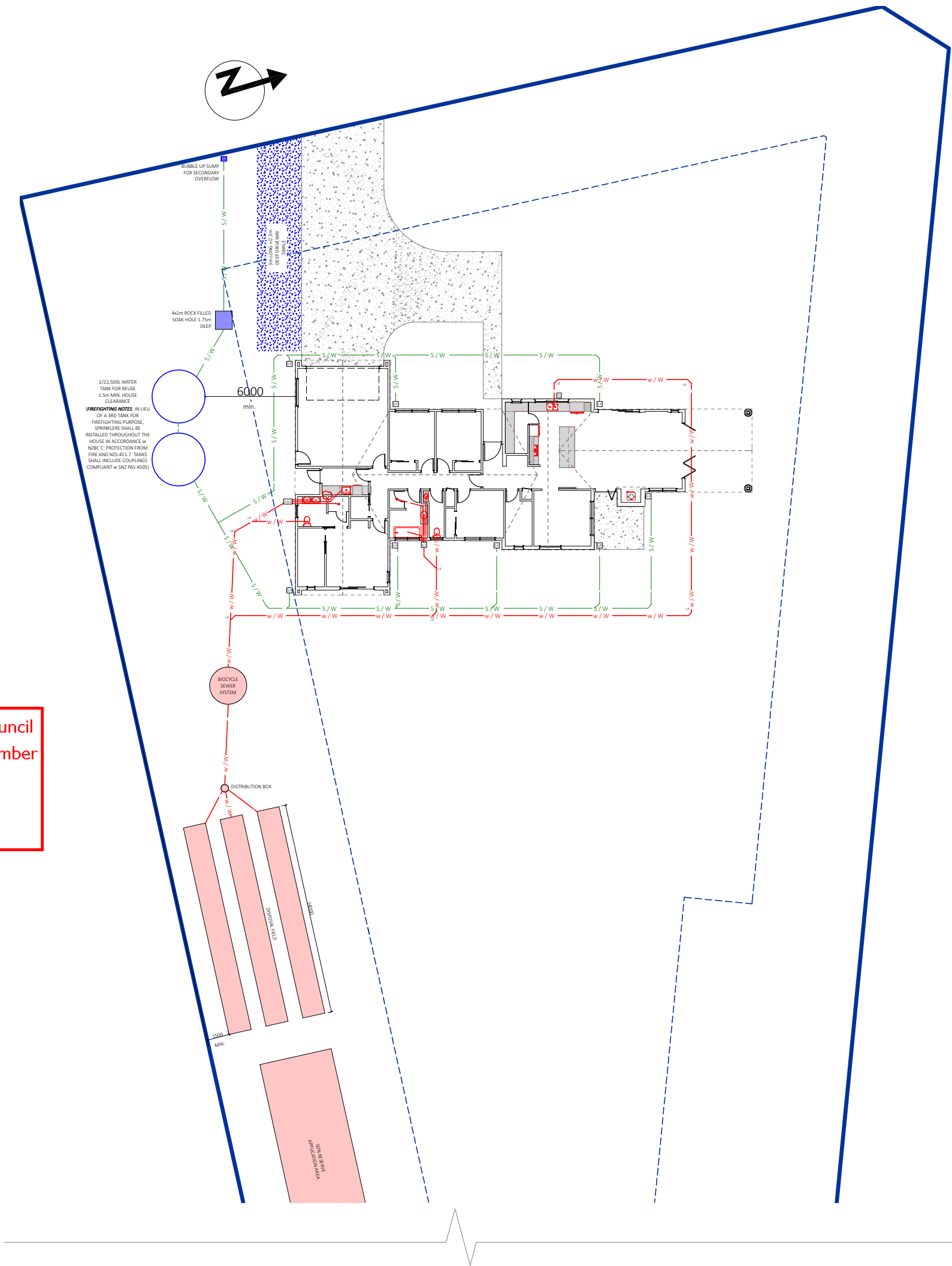
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SHEET: 2



**DRAIN LEGEND**

100mm DAI. STORM WATER DRAIN, 1:100 FALL  
- S/W S/W S/W

100mm SANITARY DRAIN, 1:60 FALL  
- w/W w/W w/W w/W

| FIXTURE               | ABB | SIZE |
|-----------------------|-----|------|
| TERMINAL VENT         | TV  | 80   |
| INSPECTION POINT      | IP  |      |
| GULLY TRAP            | GT  |      |
| OVERFLOW RELIEF GULLY | ORG |      |
| DOWN PIPE             | DP  | 80   |

| FIXTURE           | SIZE/GRADIENT |
|-------------------|---------------|
| VANITY/HAND BASIN | 40 AT 1:40    |
| SHOWER            | 40 AT 1:40    |
| KITCHEN SINK      | 40 AT 1:40    |
| TOILET            | 100 AT 1:60   |
| LAUNDRY TUB       | 50 AT 1:40    |
| BATH              | 40 AT 1:40    |

**SPECIFIC PAGE NOTES:**

**DRAINAGE NOTES**

- SW/WW TO BE READ IN CONJUNCTION W 'DART' REPORTS SUPPLIED. ANY PROPOSED CHANGES MUST BE CONFIRMED W THE ENGINEER.
- DRAINS ARE DIAGRAMMATIC ONLY AND SHALL BE CONFIRMED ON SITE AND RECORDED IN AN AS-LAID
- JUNCTIONS BETWEEN DISCHARGE PIPES MUST BE AT 45 DEG. OR SWEEP.
- ALL PIPE WORK IS TO BE HIDDEN IN WALL, CEILING OR FLOOR FRAMING. NO PIPE WORK IS TO BE EXPOSED.
- THE DRAINLAYER SHALL PROVIDE A PRODUCER STATEMENT UPON COMPLETION.
- ENSURE ALL PIPES BELOW GROUND LEVEL HAVE 600mm COVER TO VEHICLE ACCESS AREAS AND 300mm COVER ELSEWHERE PIPES PENETRATING CONCRETE ELEMENTS SHALL BE WRAPPED WITH A FLEXIBLE MATERIAL OR SLEEVED
- ALL SANITARY PLUMBING IN ACCORDANCE W NZBC G13/AS1

**HOT WATER SUPPLY TYPE:** RHEEM 250L MAINS PRESSURE HOT WATER CYLINDER W SEISMIC RESTRAINTS

**HOT WATER SUPPLY PIPEWORK:** POLYBUTYLENE 20mm, AND COMPLIANT W NZS 4350:1996

**PIPE MATERIAL:** HOT AND COLD WATER PIPES: PVC PIPE INSULATE PIPEWORK OUTSIDE OF THE BUILDING ENVELOPE, OR BURY BELOW LEVEL AFFECTED BY FREEZING

**HOSE TAPS:** SHALL BE FITTED W A PERMANENTLY ATTACHED HOSE CONNECTION VACUUM BREAKER

ENSURE ALL PIPES BELOW GROUND LEVEL HAVE 600mm COVER TO VEHICLE ACCESS AREAS AND 300mm COVER ELSEWHERE PIPES PENETRATING CONCRETE ELEMENTS SHALL BE WRAPPED WITH A FLEXIBLE MATERIAL OR SLEEVED

**REVISIONS:**

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**SHEET TITLE:**

SERVICES PLAN

**SCALE:** 1:200 @ A3

**DATE:** 9/03/2026

**PROJECT DESCRIPTION:**

1 RIVER GARDENS LANE

**SITE ADDRESS:**

1 RIVER GARDENS LANE  
NGARUAWAHIA

**LOT / DP:**

LOT 44 DP586983

| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
|------------|----------|----------------|
| HIGH       | 1        | B              |



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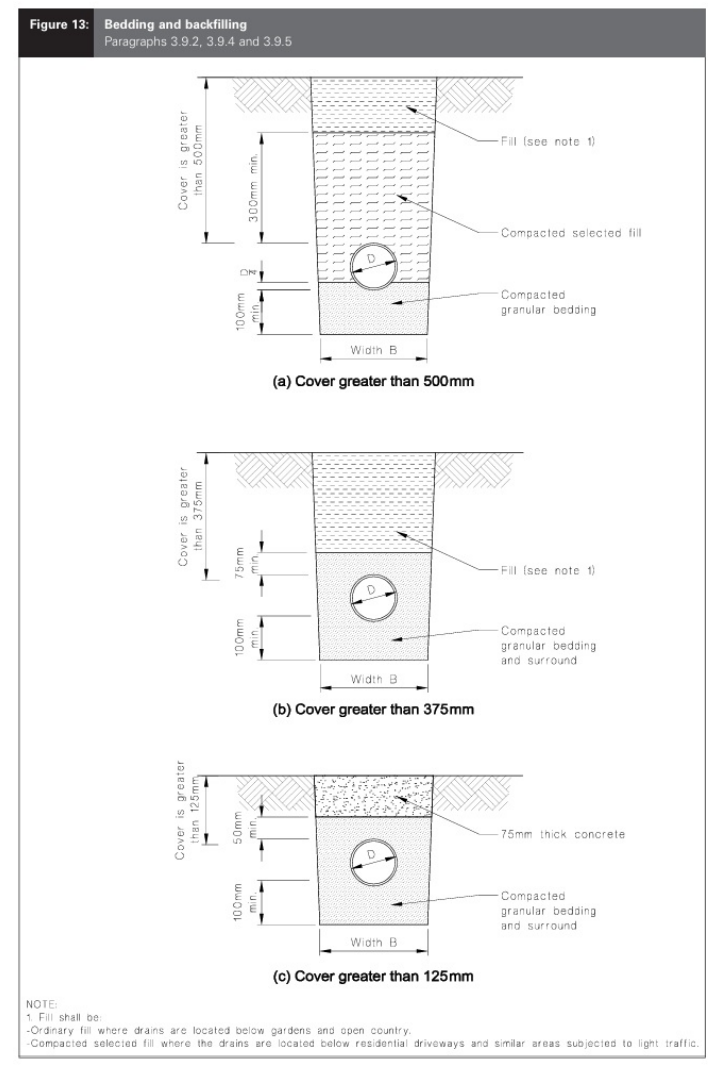


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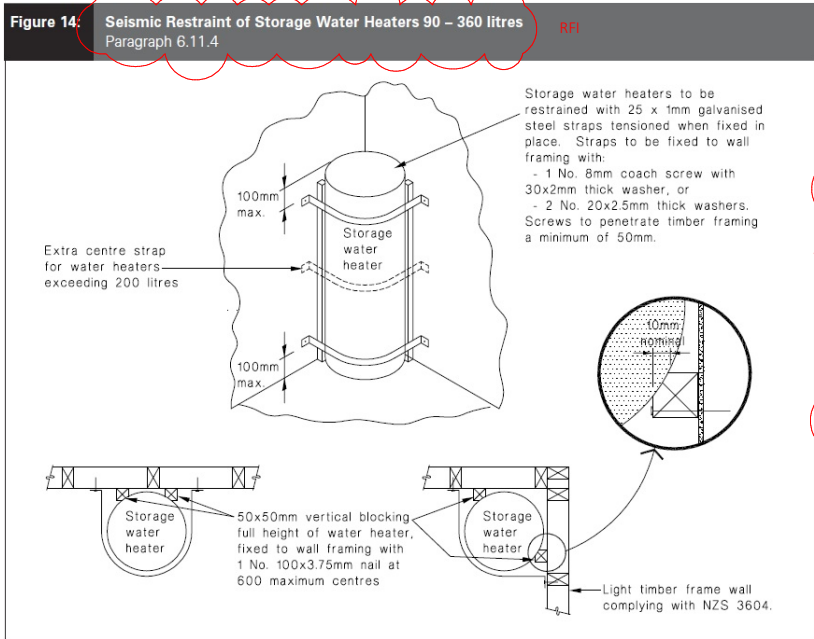
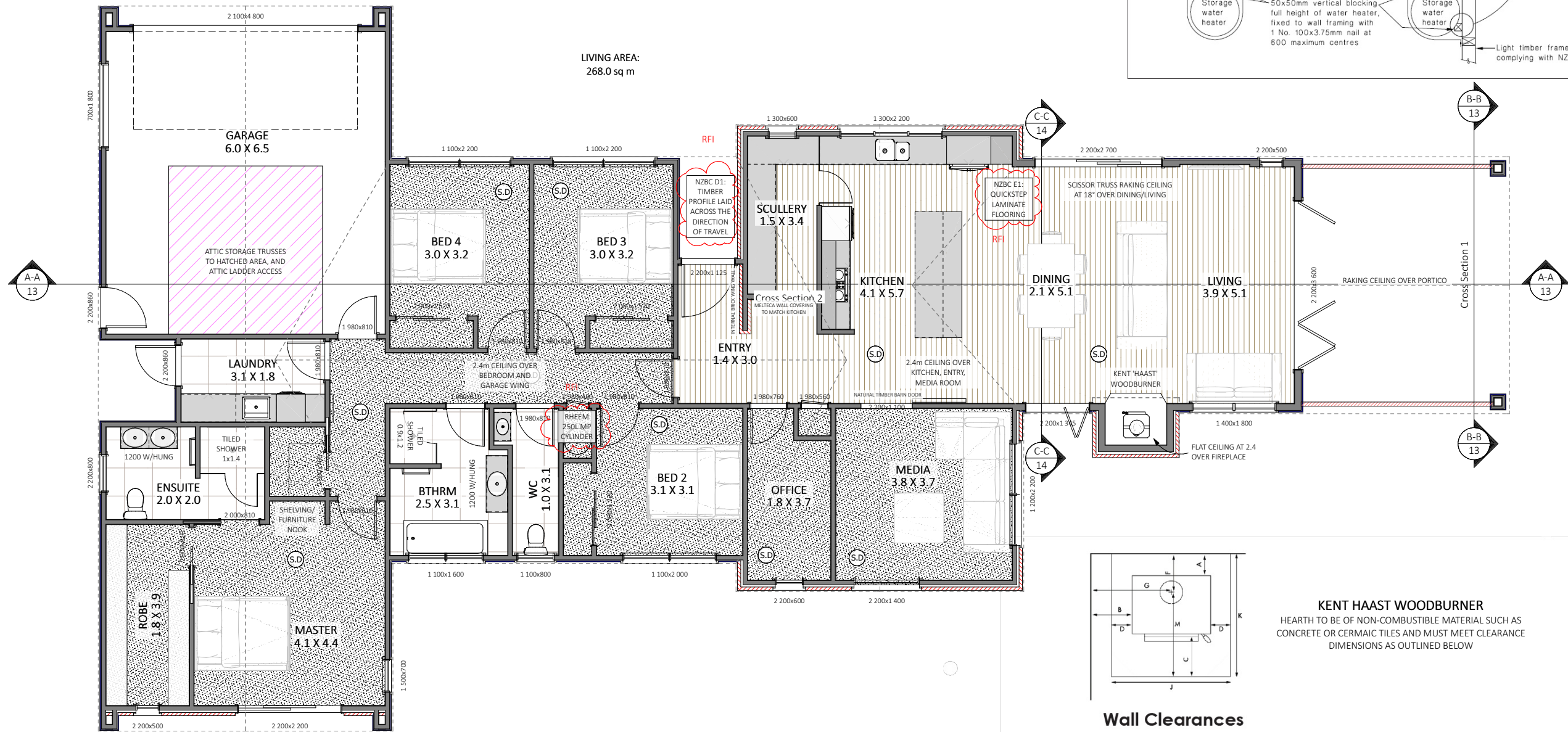
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**SPECIFIC PAGE NOTES:**

**S.D** = INTER-CONNECTED WIRELESS SMOKE DETECTORS SUCH AS 'ORCA'

**NZBC E3 WET AREA WALL NOTES:**

- ALL WALLS LINED w 10mm GIB AQUALINE
- TILED SHOWERS- FULLY WATERPROOFED IN ENCLOSURES UP TO 1.8m HIGH
- VANITIES- 150mm TILED SPLASHBACK
- BATH- 150mm TILED SPLASHBACK
- LAUNDRY TUB- 150mm TILED SPLASHBACK
- KITCHEN SINK- TILED SPLASHBACK UP TO WINDOW SILL (JAMB LINER H3.1)
- ALL JUNCTIONS SEALED w COMPLIANT WET AREA SEALANT INCLUDING TILED FLOORS TO WALL JUNCTION RFI

**REVISIONS:**

RFI

**SHEET TITLE:**

FLOOR PLAN

**SCALE:** 1:100 @ A3

**DATE:** 26/02/2026

**PROJECT DESCRIPTION:**

1 RIVER GARDENS LANE

**SITE ADDRESS:**

1 RIVER GARDENS LANE  
NGARUAWAHIA

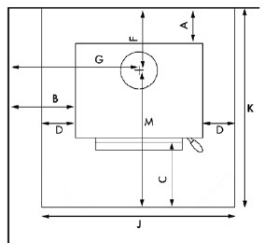
**LOT / DP:**

LOT 44 DP586983

**WIND ZONE:** HIGH  
**EQ ZONE:** 1  
**EXPOSURE ZONE:** B



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**KENT HAAST WOODBURNER**  
HEARTH TO BE OF NON-COMBUSTIBLE MATERIAL SUCH AS CONCRETE OR CERMAIC TILES AND MUST MEET CLEARANCE DIMENSIONS AS OUTLINED BELOW

**Wall Clearances**

| Model     | Model No.   | Minimum Installation Clearances (with flue shield) mm |     |     |     |     |     |     |     | Hearth Clearances (mm) |     |      |     |      |
|-----------|-------------|-------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------------------------|-----|------|-----|------|
|           |             | A                                                     | B   | C*  | D   | E   | F   | G   | H   | J                      | K   | L    | M   | N    |
| Cardrona  | KWF295-6960 | 135                                                   | 350 | 300 | 130 | 120 | 270 | 610 | 395 | 795                    | 855 | 1140 | 585 | 1000 |
| Oxford    | KWF295-6961 | 135                                                   | 350 | 300 | 130 | 120 | 270 | 610 | 395 | 795                    | 855 | 1140 | 585 | 1000 |
| Benmore   | KWF295-6962 | 135                                                   | 350 | 300 | 130 | 120 | 270 | 610 | 395 | 795                    | 855 | 1140 | 585 | 1000 |
| Haast     | KWF295-6950 | 160                                                   | 360 | 300 | 130 | 190 | 320 | 645 | 500 | 835                    | 960 | 1340 | 640 | 1160 |
| Murchison | KWF295-6952 | 160                                                   | 360 | 300 | 130 | 190 | 320 | 645 | 500 | 835                    | 960 | 1340 | 640 | 1160 |
| Aspiring  | KWF295-6951 | 160                                                   | 360 | 300 | 130 | 190 | 320 | 645 | 500 | 835                    | 960 | 1340 | 640 | 1160 |
| Ruapehu   | KWF295-6965 | 150                                                   | 200 | 300 | 100 | 170 | 315 | 580 | 540 | 960                    | 913 | 1375 | 640 | 1180 |

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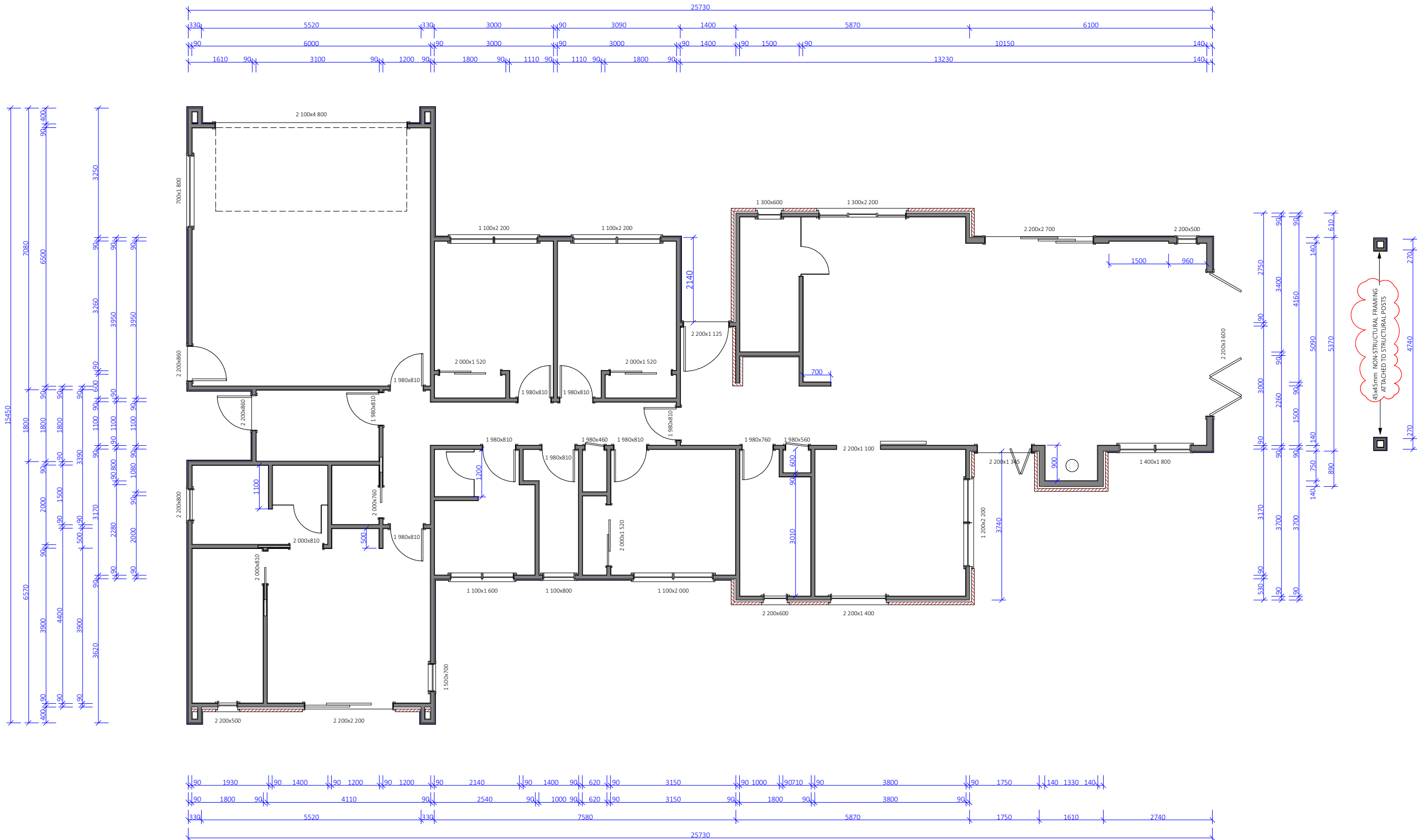
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**SHEET:** 4

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SPECIFIC PAGE NOTES:

REVISIONS:  
RFI- OPENING DIMENSIONS

SHEET TITLE:  
DIMENSION PLAN

SCALE: 1:100 @ A3

DATE: 26/02/2026

PROJECT DESCRIPTION:  
1 RIVER GARDENS LANE

SITE ADDRESS:  
1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:  
LOT 44 DP586983

| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
|------------|----------|----------------|
| HIGH       | 1        | B              |



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SHEET: 5

- 1

TRIMFORM COLORCOTE  
ZINACORE 0.4BMT ROOFING IRON
- 2

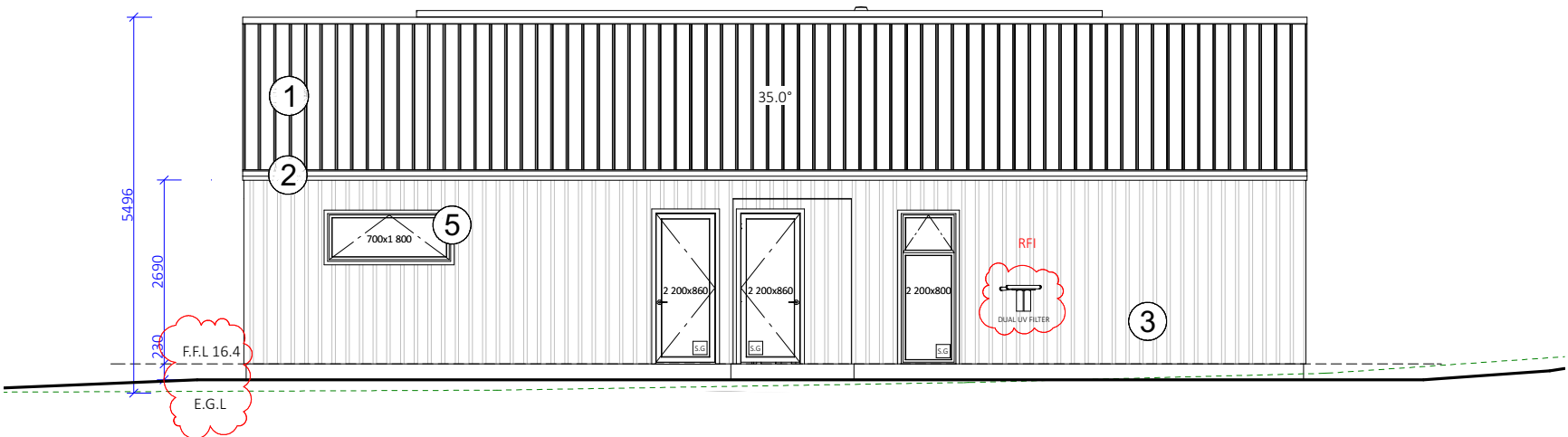
150mm MULTILINE FASCIA  
SYSTEM
- 3

9mm BGC DURASCAPE SHEETS w  
EXTERNAL 20x40mm H3.2  
BATTENS @ 450c/c, OVER 20mm  
CAVITY BATTENS
- 4

70mm BRICK OVER 50mm CAVITY
- 5

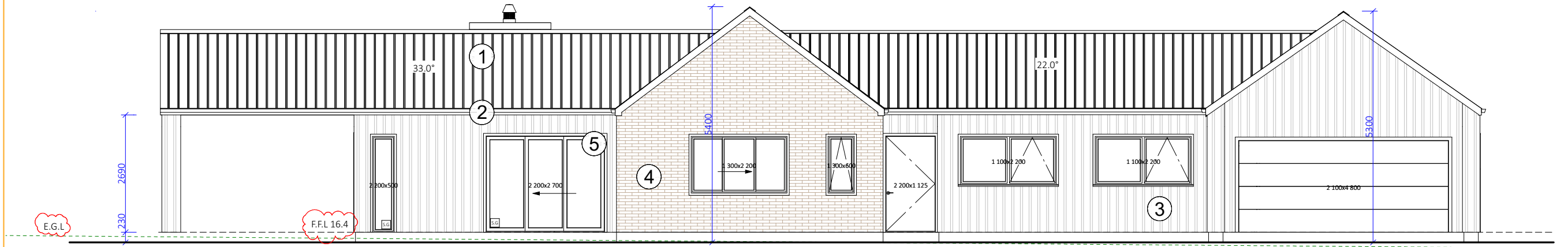
POWDERCOATED ALUMINIUM  
JOINERY TO R0.46. SAFETY GLASS  
AS REQUIRED TO NZS4223

S.G



ELEVATION ONE / WEST

Date Received: 26/02/2026  
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ELEVATION TWO / NORTH

Waikato District Council  
Building Consent Number  
BLD0747/26  
  
APPROVED

SPECIFIC PAGE NOTES:

| RISK MATRIX ASSESSMENTS           |                |                        |             |                     |             |    |
|-----------------------------------|----------------|------------------------|-------------|---------------------|-------------|----|
| HIGHEST RISK ELEVATION ASSESSMENT |                |                        |             |                     |             |    |
| WIND ZONE                         | NO. OF STOREYS | ROOF/WALL INTERSECTION | EAVES WIDTH | ENVELOPE COMPLEXITY | DECK DESIGN |    |
| 1                                 | 0              | 5                      | 5           | 1                   | 0           |    |
| TOTAL:                            |                |                        |             |                     |             | 12 |

REVISIONS:

RFI

SHEET TITLE:

ELEVATIONS

SCALE: 1:100 @ A3

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:  
1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:  
LOT 44 DP586983

|            |          |                |
|------------|----------|----------------|
| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
| HIGH       | 1        | B              |



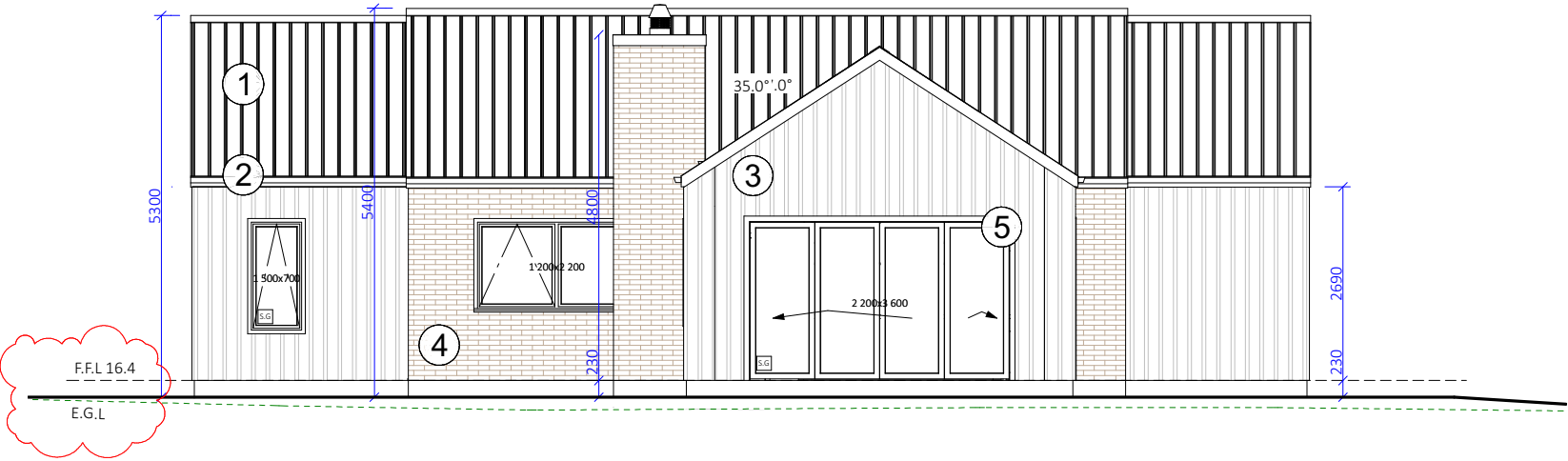
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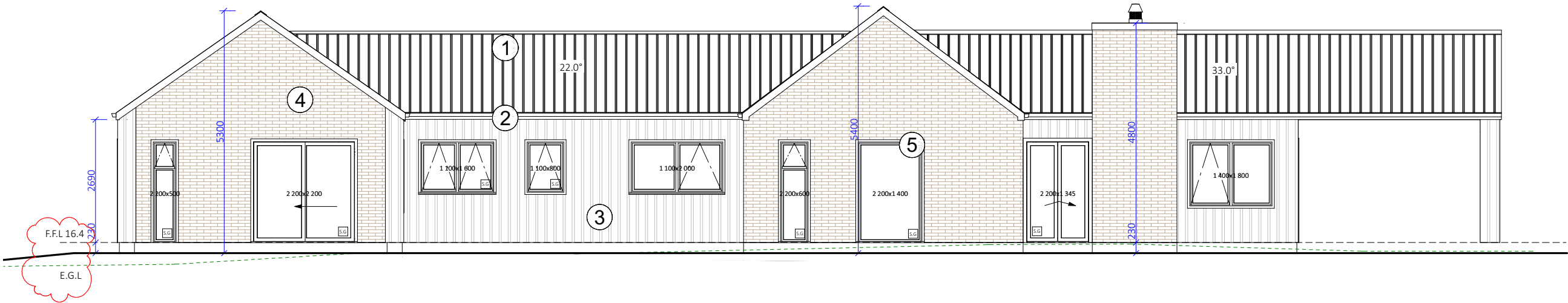
SHEET: 6

- ① TRIMFORM COLORCOTE  
ZINACORE 0.4BMT ROOFING IRON
- ② 150mm MULTILINE FASCIA  
SYSTEM
- 9mm BGC DURASCAPE SHEETS w  
EXTERNAL 20x40mm H3.2  
③ BATTENS @ 450c/c, OVER 20mm  
CAVITY BATTENS
- ④ 70mm BRICK OVER 50mm CAVITY
- POWDERCOATED ALUMINIUM  
⑤ JOINERY TO R0.46. SAFETY GLASS  
AS REQUIRED TO NZS4223 S.G



ELEVATION THREE / EAST

Date Received: 26/02/2026  
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Number of pages: 39



ELEVATION FOUR / SOUTH

Waikato District Council  
Building Consent Number  
BLD0747/26  
  
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SPECIFIC PAGE NOTES:

| RISK MATRIX ASSESSMENTS           |                |                        |             |                     |             |    |
|-----------------------------------|----------------|------------------------|-------------|---------------------|-------------|----|
| HIGHEST RISK ELEVATION ASSESSMENT |                |                        |             |                     |             |    |
| WIND ZONE                         | NO. OF STOREYS | ROOF/WALL INTERSECTION | EAVES WIDTH | ENVELOPE COMPLEXITY | DECK DESIGN |    |
| 1                                 | 0              | 5                      | 5           | 1                   | 0           |    |
| TOTAL:                            |                |                        |             |                     |             | 12 |

REVISIONS:

RFI- OPENING DIMENSIONS

SHEET TITLE:

ELEVATIONS

SCALE: 1:100 @ A3

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:  
1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:  
LOT 44 DP586983

|            |          |                |
|------------|----------|----------------|
| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
| HIGH       | 1        | B              |



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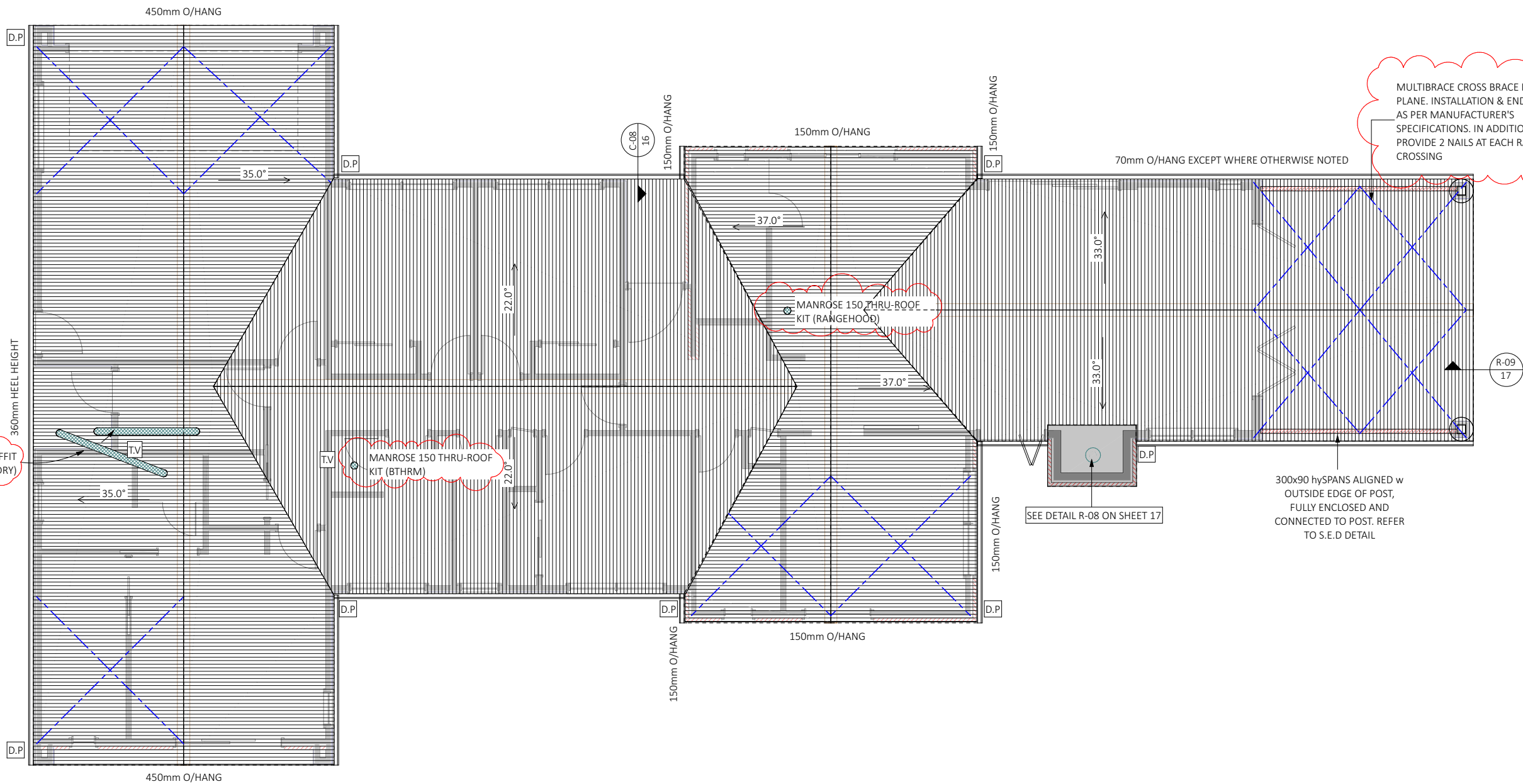


SHEET: 7



|                                                                                       |           |                |
|---------------------------------------------------------------------------------------|-----------|----------------|
| SPECIFIC PAGE NOTES:                                                                  |           |                |
|                                                                                       |           |                |
| REVISIONS:                                                                            |           |                |
| RFI                                                                                   |           |                |
| SHEET TITLE:                                                                          |           |                |
| FOUNDATIONS                                                                           |           |                |
| SCALE: 1:100 @ A3                                                                     |           |                |
| DATE: 26/02/2026                                                                      |           |                |
| PROJECT DESCRIPTION:                                                                  |           |                |
| 1 RIVER GARDENS LANE                                                                  |           |                |
| SITE ADDRESS:                                                                         |           |                |
| 1 RIVER GARDENS LANE<br>NGARUAWAHIA                                                   |           |                |
| LOT / DP:                                                                             |           |                |
| LOT 44 DP586983                                                                       |           |                |
| WIND ZONE:                                                                            | EQ. ZONE: | EXPOSURE ZONE: |
| HIGH                                                                                  | 1         | B              |
|  |           |                |
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|  |           |                |
| SHEET: 8                                                                              |           |                |

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**SPECIFIC PAGE NOTES:**

TOTAL ROOF SURFACE AREA  
= 332m<sup>2</sup>

TRIMFORM COLORCOTE  
ZINACORE 0.4BMT ROOFING  
IRON, OVER  
COVERTEK 401 ROOFING PAPER

**TV** - 80mm TERMINAL VENT  
LOCATION

**DP** - 80mm PVC PAINTED  
DOWNPIPE  
1per 85m<sup>2</sup> OF ROOF  
SURFACE AREA

INDICATIVE 150dia DUCTING  
ROUTE. 50L/s

1x PAIR OF TENSIONED  
CROSSED LUMBERLOK STRIP  
BRACE, OVER TOP CHORD/  
RAFTERS INSTALLED @ 45° ± 5°  
TO THE RAFTER PURLIN LINE

**REVISIONS:**

RFI

**SHEET TITLE:**

ROOF PLAN

**SCALE:** 1:100 @ A3

**DATE:** 6/03/2026

**PROJECT DESCRIPTION:**

1 RIVER GARDENS LANE

**SITE ADDRESS:**

1 RIVER GARDENS LANE  
NGARUAWAHIA

**LOT / DP:**

LOT 44 DP586983

| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
|------------|----------|----------------|
| HIGH       | 1        | B              |

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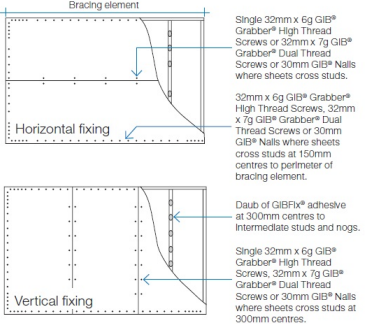
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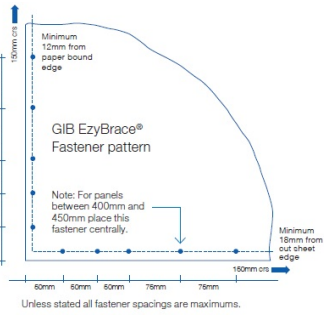
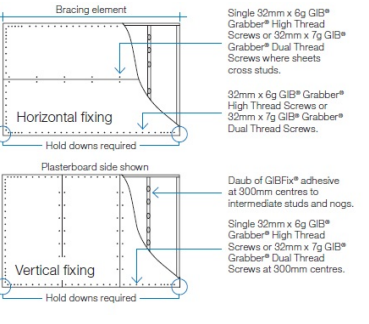
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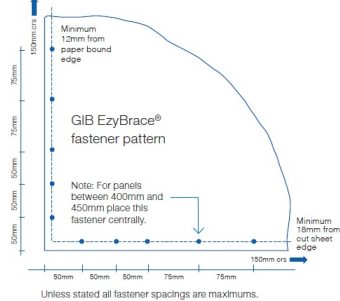
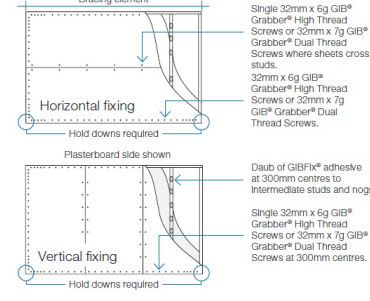
GS1 FIXING



BL1 FIXING



BLP FIXING



BRACING ELEMENTS NOTES:

- BLP AND BL1 ELEMENTS HAVE BEEN SIZED TO ENSURE THE HOLD DOWN BRACKETS ARE WITHIN 90mm OF THE END OF THESE ELEMENTS
- BLP ELEMENTS SHALL HAVE THE PLY ON THE EXTERNAL FACE AND NOTCHED INTO THE FRAMING. IF IT IS NOT NOTCHED INTO THE FRAMING, THEN PLY CAN BE APPLIED TO THE WHOLE FACE (E.G. GARAGE FRONT) FOR EASE OF CLADDING FIXING
- ELEMENT LENGTHS ARE NOT INDICATIVE OF THE WALL LENGTH AVAILABLE. IN MOST CASES THE WALL LENGTH IS LONGER THAN AVAILABLE

Date Received: 9/03/2026  
Received By : ViranParmar  
Number of pages: 44

TOP PLATE CONNECTED TO EXTERNAL WALL AS PER NZS3604:2011 FIGURE 8.16, AS SHOWN ON THE ADJACENT PLAN

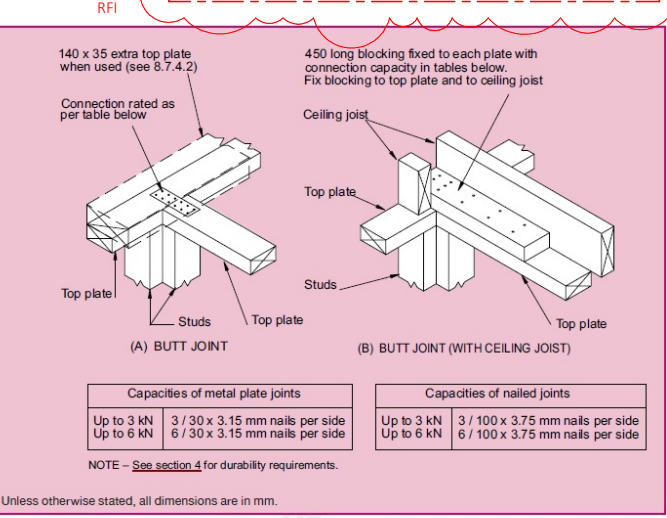
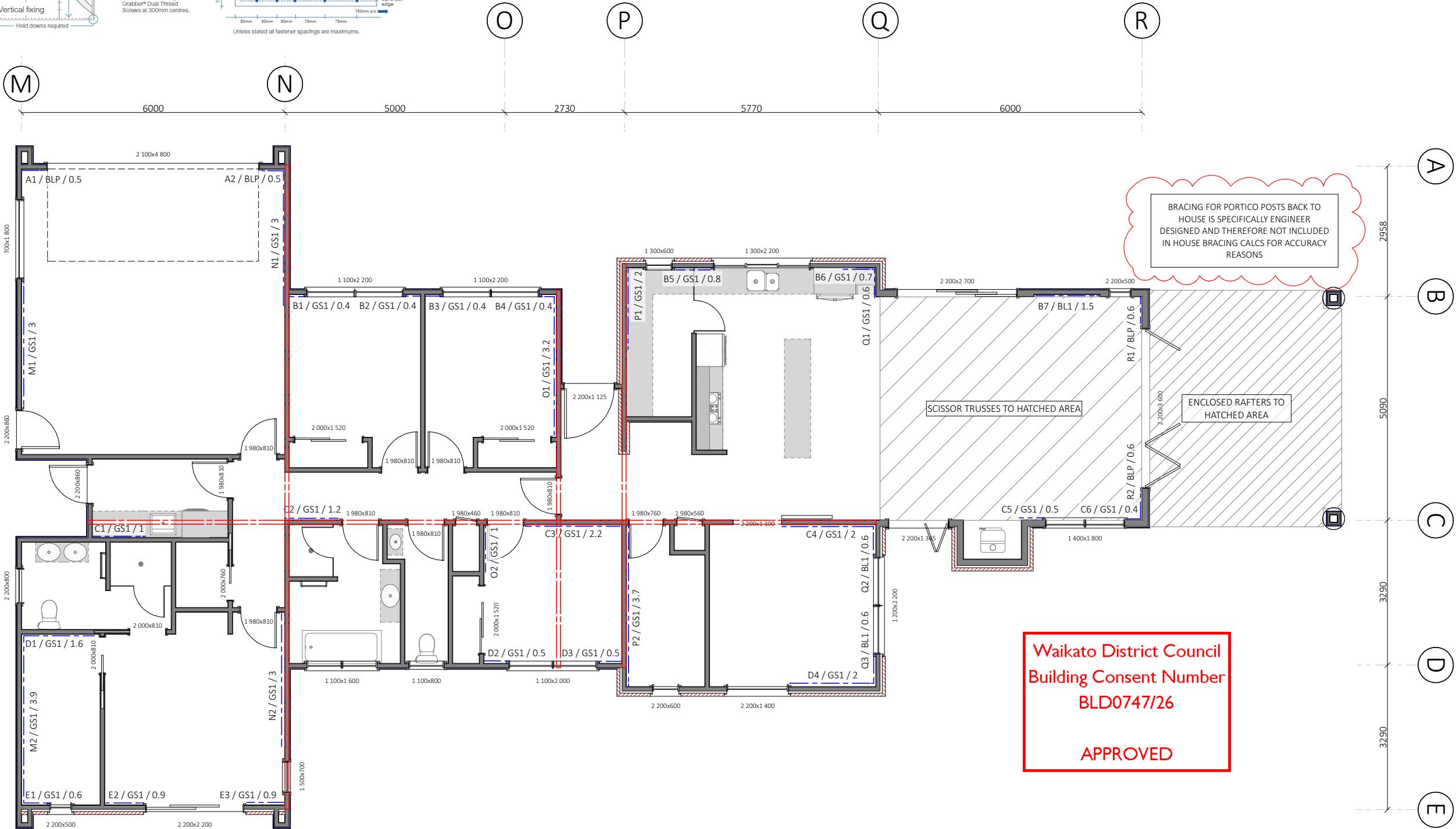


Figure 8.16 - Connecting top plates to external walls at right angles - Walls containing bracing (see 8.7.3.4)



SPECIFIC PAGE NOTES:

REVISIONS:

RFI

SHEET TITLE:

BRACING PLAN

SCALE: 1:100 @ A3

DATE: 6/03/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:

1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:

LOT 44 DP586983

WIND ZONE:

HIGH

EQ ZONE:

1

EXPOSURE ZONE:

B



DRAWINGS PROVIDED BY:

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ph: 0277142079

DRAWINGS PREPARED FOR:

KINGSTON GROUP  
Peter Leach  
em: peter@kingstongroup.nz  
ph: 0273040577



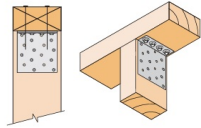
SHEET: 10

## STUD TO TOP PLATE FIXING SCHEDULE

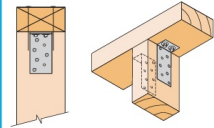
**FIXING TYPE B**  
**4.7kN**

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

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



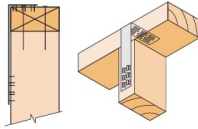
Plus  
LUMBERLOK  
6kN Stud Anchor  
(25000)



Plus  
LUMBERLOK  
CPC40

Recommended for internal wall options to avoid lining issues

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

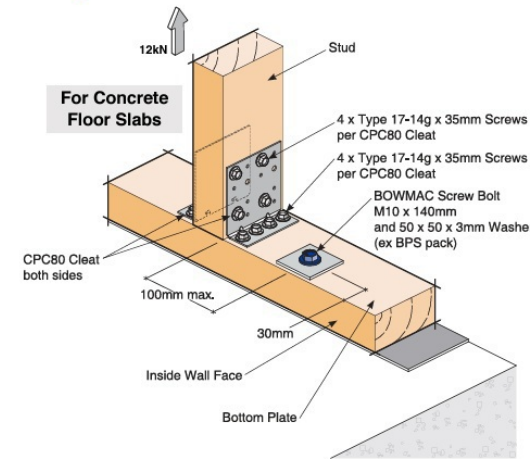


Plus  
LUMBERLOK  
Stud Strap  
(one face only)

IN ACCORDANCE WITH THE CALCULATION METHOD PROVIDED BY MITEK, IT WORKS OUT THAT TYBE B FIXINGS SHALL BE PLACED AT 415c/c TO ALL LOADBEARING WALLS

## 12kN STUD TO BOTTOM PLATE FIXING

- Ideal as retro fit fixing after lining/cladding is installed
- Two fixings per stud as shown

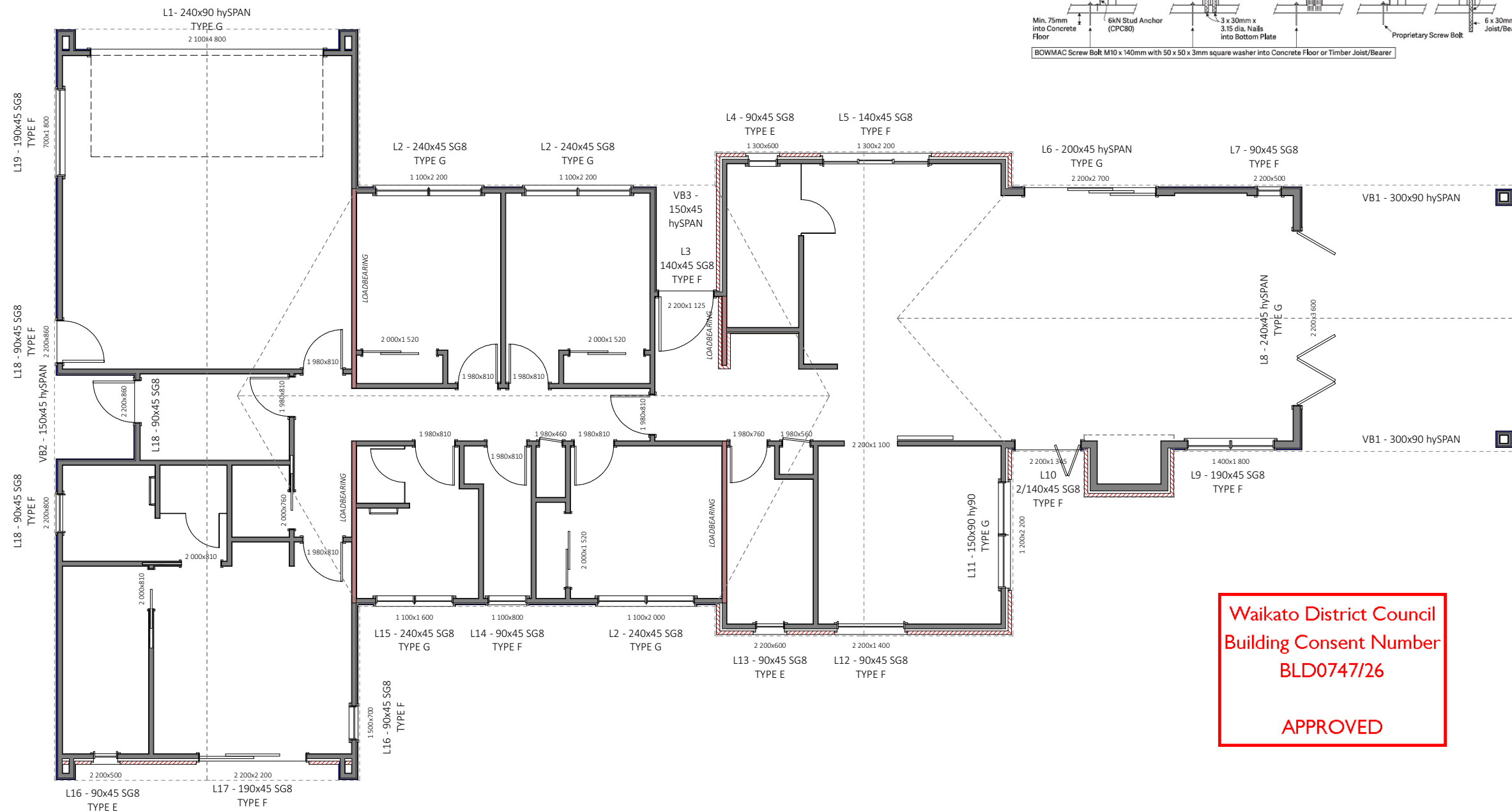
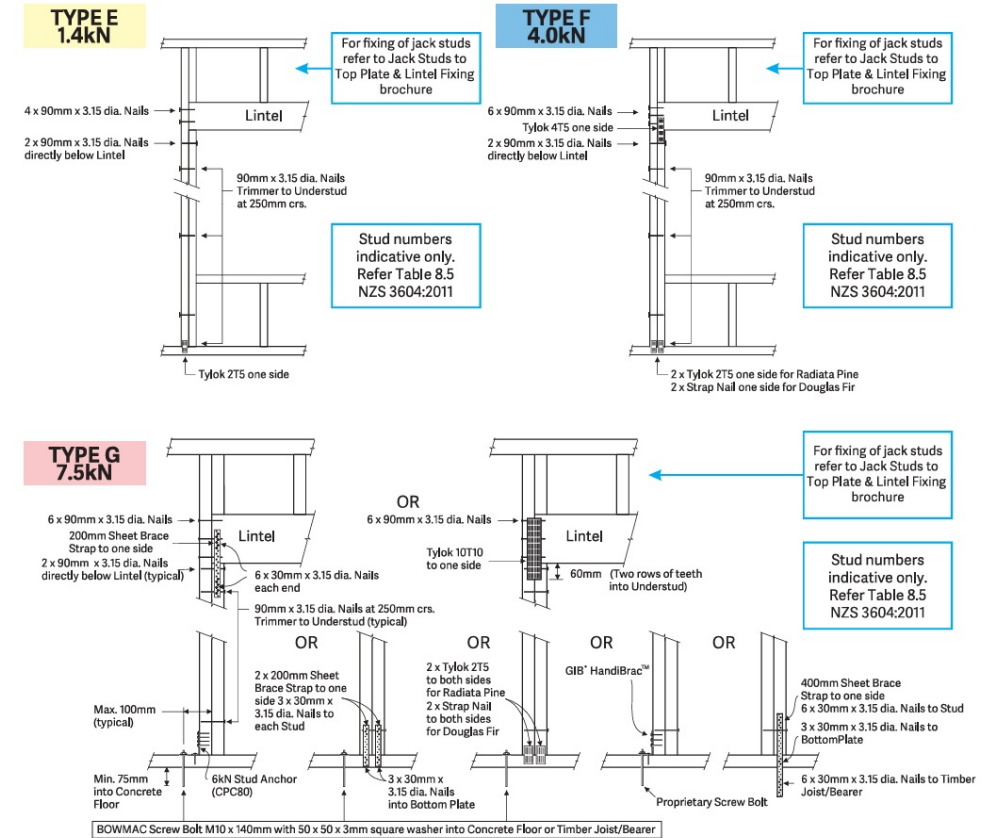


**Code:** SBP  
**Material:** CPC80 1.55mm G300 Z275 Galvanised Steel  
**Packed:** 2 x CPC80 Cleats  
 16 x Type 17-14g x 35mm Hex Head Galvanised Screws

Date Received: 26/02/2026  
Received By : ViranParmar  
Number of pages: 39

## LINTEL FIXING OPTIONS

(Characteristic Uplift)



Waikato District Council  
Building Consent Number  
BLD0747/26

APPROVED

SPECIFIC PAGE NOTES:

REVISIONS:

RFI

SHEET TITLE:

## LINTEL AND FIXINGS PLAN

SCALE: 1:100 @ A3

DATE: 26/02/2026

**PROJECT DESCRIPTION:**

1 RIVER GARDENS LANE

SITE ADDRESS:  
1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:  
LOT 44 DP586983

|            |          |                |
|------------|----------|----------------|
| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
| HIGH       | 1        | B              |



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Danielle Cooper  
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ph: 0277142079

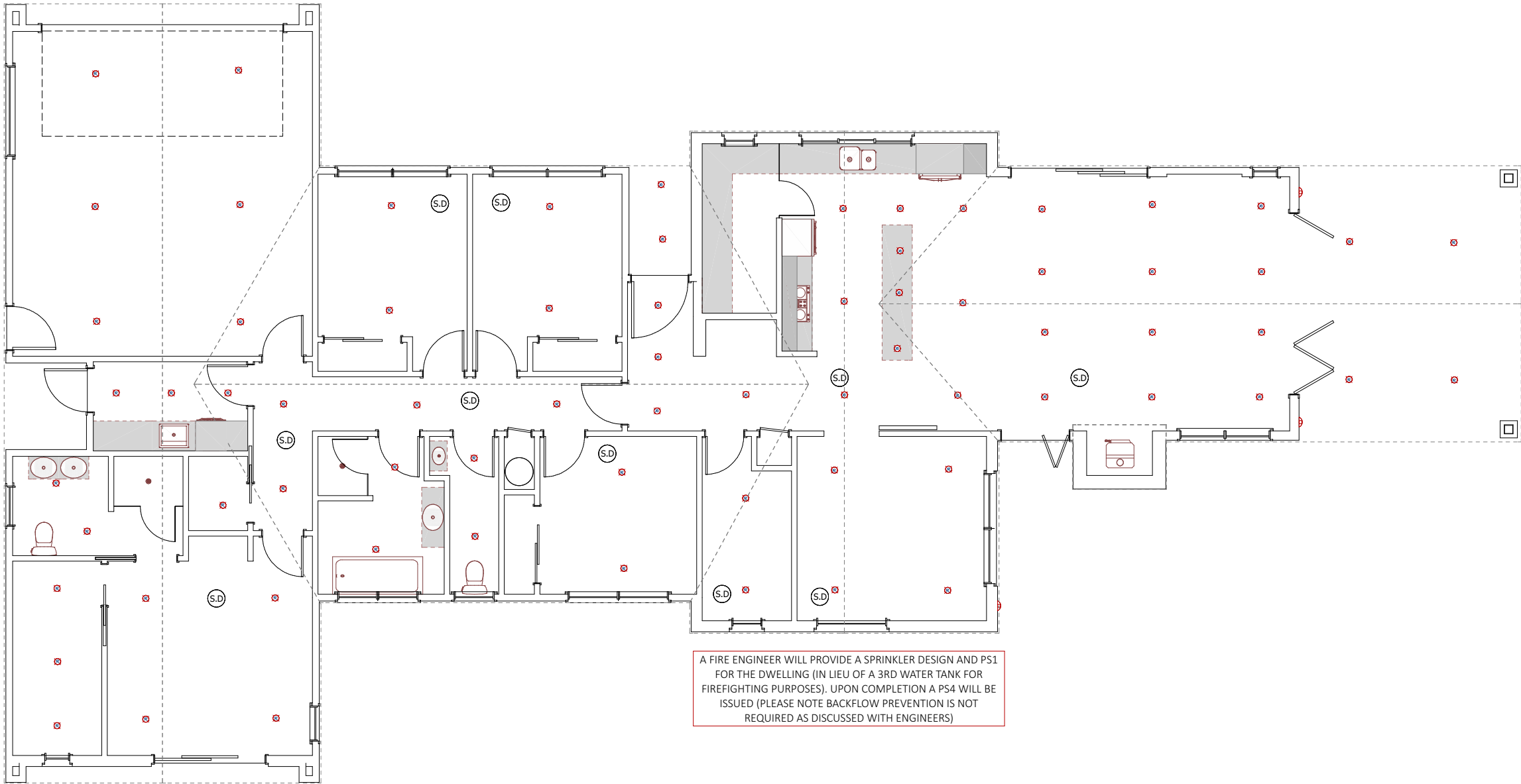
DRAWINGS PREPARED FOR:

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ph: 0273040577



SHEET: 11

Date Received: 26/02/2026  
Received By : ViranParmar  
Number of pages: 39



A FIRE ENGINEER WILL PROVIDE A SPRINKLER DESIGN AND PS1 FOR THE DWELLING (IN LIEU OF A 3RD WATER TANK FOR FIREFIGHTING PURPOSES). UPON COMPLETION A PS4 WILL BE ISSUED (PLEASE NOTE BACKFLOW PREVENTION IS NOT REQUIRED AS DISCUSSED WITH ENGINEERS)

Waikato District Council  
Building Consent Number  
BLD0747/26  
  
APPROVED

SPECIFIC PAGE NOTES:

**S.D.** = INTER-CONNECTED WIRELESS SMOKE DETECTORS SUCH AS 'ORCA'

ALL RECESSED LIGHTS ARE CA RATED

SMOKE ALARMS WITHIN SCISSOR TRUSSED LIVING/ DINING ROOMS ARE MOUNTED ON CEILING PLANE WITHIN UPPER PORTION OF SLOPING CEILING AND NOT AT APEX, APPROX 400mm DOWN FROM THE APEX, IN ACCORDANCE WITH NZS 4514:2001 SECTION 22 RFI

REVISIONS:

RFI

SHEET TITLE:

BASIC LIGHTING PLAN

SCALE: 1:100 @ A3

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:  
1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:  
LOT 44 DP586983

|            |          |                |
|------------|----------|----------------|
| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
| HIGH       | 1        | B              |



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SHEET: 12

Date Received: 26/02/2026  
Received By : ViranParmar  
Number of pages: 39

SPECIFIC PAGE NOTES:

BRICK TIES AS SPECIFIED IN CLAY  
BRICK AND PAVER MANUAL  
PROVIDED FOR UP TO 2 STOREY  
BRICK VENEER CONSTRUCTION :  
85mm GALV. BRICK TIES FIXED @  
400c/c  
HORIZONTALLY, AND 400c/c  
VERTICALLY,  
WITHIN 200mm OF EDGE OF ALL  
OPENINGS,  
1ST ROW WITHIN 200mm OF SHELF  
ANGLES,  
AND 1ST ROW WITHIN 400mm OF  
FOUNDATION REBATE

WEEP HOLES IN BRICKWORK:  
AT BOTTOM COURSE OF BRICK IN ALL  
SITUATIONS, IN EVERY THIRD  
PERPEND  
AT TOP OF CLOSED WALLS, IN 2ND  
COURSE DOWN @ 800c/c MAX

BRICK SHELF ANGLES FIXED TO  
FRAMING:  
USE 100x75x6 GALV. SHELF ANGLES  
FIXED w 75x10 COACH SCREWS @  
450c/c.  
KEEP ANGLE 5mm SHORT OF  
OPENING WIDTH AT EACH END

RFI

REVISIONS:

RFI

SHEET TITLE:

SECTION A-A & B-B

SCALE: VARIES / A3

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:  
1 RIVER GARDENS LANE  
NGARUAHIA

LOT / DP:  
LOT 44 DP586983

WIND ZONE: HIGH  
EQ ZONE: 1  
EXPOSURE ZONE: B

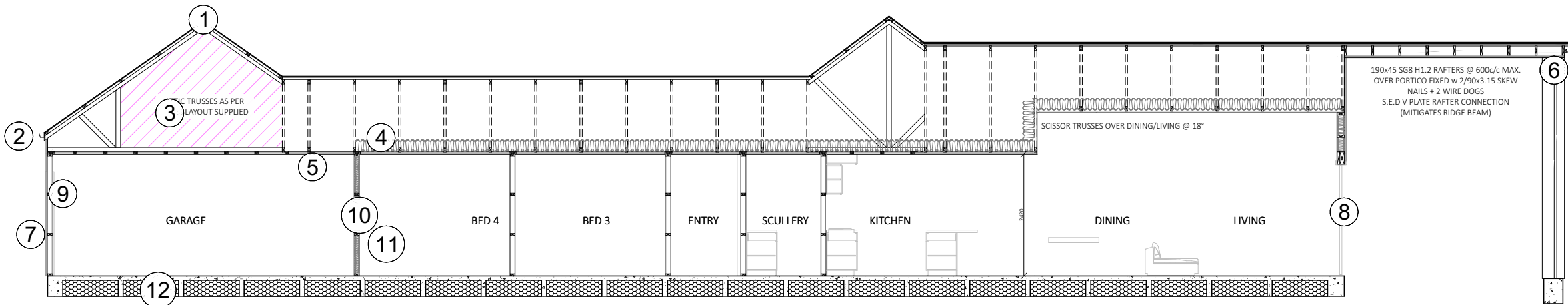


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SHEET: 13



SECTION A-A  
SCALE: 1:100

Waikato District Council  
Building Consent Number  
BLD0747/26

APPROVED

1 TRIMFORM COLORCOTE ZINACORE 0.4BMT ROOFING IRON, OVER  
COVERTEK 401 ROOFING PAPER, AND  
70x45 SG8 H1.2 PURLINS @ 900c/c FIXED w 1 LUMBERLOK BLUE SCREW

2 150mm MULTILINE FASCIA SYSTEM w ATTACHED COLOURSTEEL 1/4 ROUND GUTTER  
80mm PVC DOWNPIPES  
4.5mm DURASHEET TO 70mm SOFFITS  
7.5mm HARDIEGROOVE TO PORTICO AND ENTRY SOFFIT

3 GANGNAIL TRUSSES INSTALLED TO SUPPLIED MANUFACTURERS BUILDABLE TRUSS  
LAYOUT AT MAX 900c/c  
SCISSOR TRUSSES OVER DINING/LIVING AT 18° INTERNAL PLANE

4 R7.0 CEILING INSULATION. EXCLUDE GARAGE FROM INSULATION ENVELOPE,  
HOWEVER MAY BE INSULATED BY CHOICE

5 13mm CEILING GIB ATTACHED TO 70x35 SG8 H1.2 CEILING BATTENS @ 600c/c  
USE GIB AQUALINE IN BATHROOMS

6 6mm HARDIEGROOVE TO THE PORTICO AND ENTRY SOFFIT  
4.5mm BGC DURASHEET TO ALL OTHER SOFFITS

CLADDINGS:  
9mm DURASCAPE w EXTERNAL 20x40mm H3.2 BATTENS @ 600c/c, OVER 20x45mm  
H3.1 CAVITY BATTENS  
70mm BRICK OVER 50mm CAVITY SPACE  
FPS EUROTOP N35 BUILDING WRAP

8 POWDERCOATED ALUMINIUM JOINERY TO R0.46. SAFETY GLASS AS REQUIRED TO  
NZS4223. TINT TO BE CONFIRMED

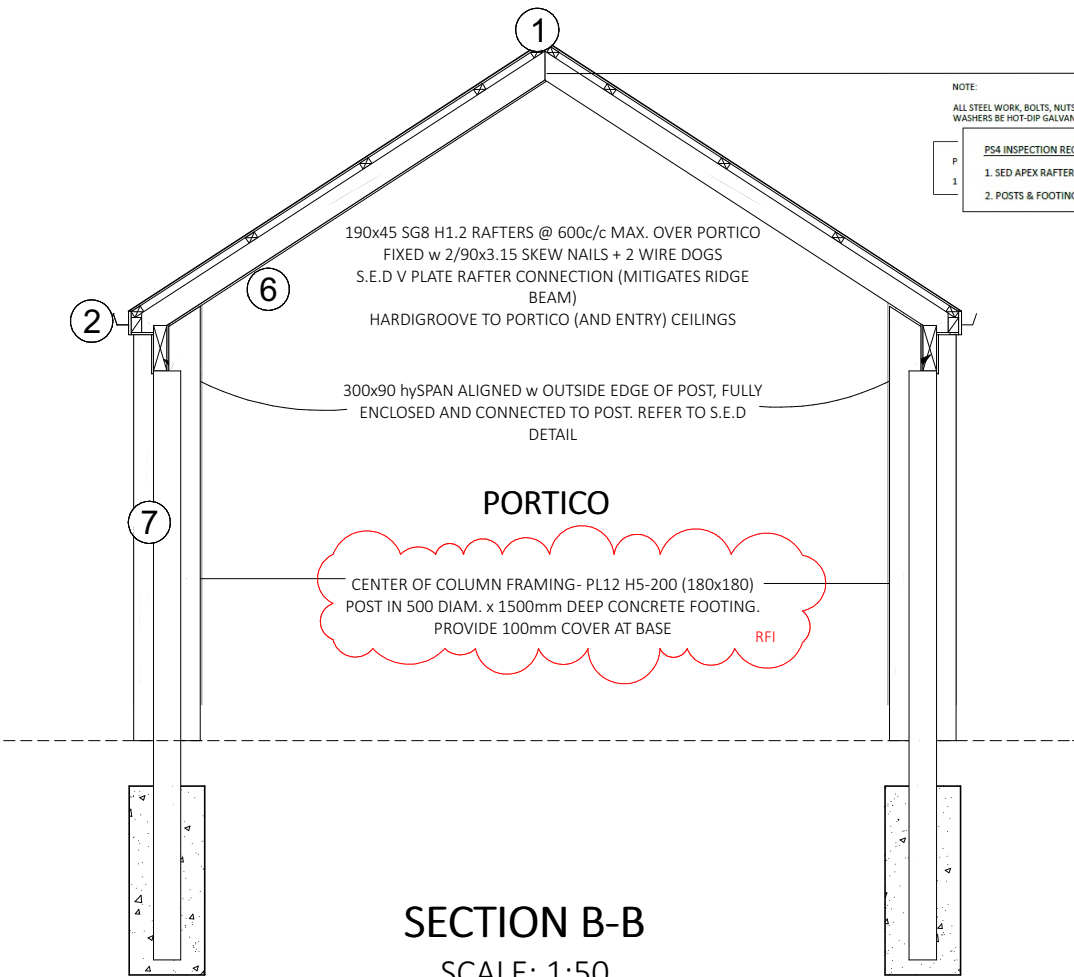
SG8 H1.2 WALL FRAMING:  
2.4 STUD/HARDIEFLEX WALLS - 90x45 STUDS @ 600c/c (FOR CLADDING FIXING)  
2.4 STUD/BRICK WALL - 90x45 STUDS @ 600c/c  
3.2 STUD/HARDIEFLEX WALLS - 140x45 STUDS @ 600c/c (FOR CLADDING FIXING)  
3.2 STUD/BRICK WALLS - 140x45 STUDS @ 400c/c  
4.8 STUD (CHIMNEY) - 2/140x45 STUDS @ 400c/c  
NOGS @ 800c/c  
REFER TO DIMENSION PLAN FOR 90mm AND 140mm WALL THICKNESSES

10 R2.4 WALL INSULATION. EXCLUDE GARAGE FROM INSULATION ENVELOPE, HOWEVER  
MAY BE INSULATED BY CHOICE.  
INSULATE INTERNAL WALLS BETWEEN DWELLING AND GARAGE

11 10mm GIB PLASTERBOARD ON ALL WALLS. USE GIB AQUALINE IN BATHROOMS

12 85mm FIRTH RIBRAFT RAFTMIX20 SLAB OVER EXCAVATIONS IN ACCORDANCE WITH  
SOIL REPORT SUPPLIED

FINISHING'S:  
60mm FJ ARCHITRAVES  
90mm FJ SKIRTINGS  
SQUARE STOP WALL TO CEILING



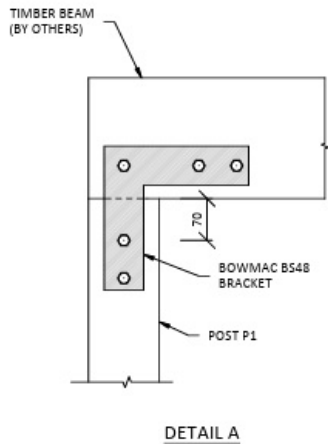
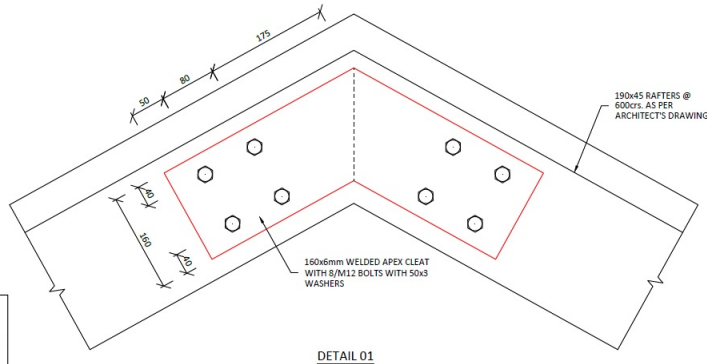
SECTION B-B  
SCALE: 1:50

NOTE:

ALL STEEL WORK, BOLTS, NUTS AND  
WASHERS BE HOT-DIP GALVANISED.

PS4 INSPECTION REQUIRED:

1. SED APEX RAFTER CONNECTION
2. POSTS & FOOTINGS



S.E.D BEAM TO POST  
CONNECTION

S.E.D SNIPS RFI

1

TRIMFORM COLORCOTE ZINACORE 0.4BMT ROOFING IRON, OVER  
COVERTEK 401 ROOFING PAPER, AND  
70x45 SG8 H1.2 PURLINS @ 900c/c FIXED w 1 LUMBERLOK BLUE SCREW

2

150mm MULTILINE FASCIA SYSTEM w ATTACHED COLOURSTEEL 1/4 ROUND GUTTER  
80mm PVC DOWNPIPES  
4.5mm DURASHEET TO 70mm SOFFITS  
7.5mm HARDIEGROOVE TO PORTICO AND ENTRY SOFFIT

3

GANGNAIL TRUSSES INSTALLED TO SUPPLIED MANUFACTURERS BUILDABLE TRUSS  
LAYOUT AT MAX 900c/c  
SCISSOR TRUSSES OVER DINING/LIVING AT 18° INTERNAL PLANE

4

R7.0 CEILING INSULATION. EXCLUDE GARAGE FROM INSULATION ENVELOPE,  
HOWEVER MAY BE INSULATED BY CHOICE

5

13mm CEILING GIB ATTACHED TO 70x35 SG8 H1.2 CEILING BATTENS @ 600c/c  
USE GIB AQUALINE IN BATHROOMS

6

6mm HARDIEGROOVE TO THE PORTICO AND ENTRY SOFFIT  
4.5mm BGC DURASHEET TO ALL OTHER SOFFITS

7

CLADDINGS:  
9mm DURASCAPE w EXTERNAL 20x40mm H3.2 BATTENS @ 600c/c, OVER 20x45mm  
H3.1 CAVITY BATTENS  
70mm BRICK OVER 50mm CAVITY SPACE  
FPS EUROTOP N35 BUILDING WRAP

8

POWDERCOATED ALUMINIUM JOINERY TO R0.46. SAFETY GLASS AS REQUIRED TO  
NZS4223. TINT TO BE CONFIRMED

9

SG8 H1.2 WALL FRAMING:  
2.4 STUD/HARDIEFLEX WALLS - 90x45 STUDS @ 600c/c (FOR CLADDING FIXING)  
2.4 STUD/BRICK WALL - 90x45 STUDS @ 600c/c  
3.2 STUD/HARDIEFLEX WALLS - 140x45 STUDS @ 600c/c (FOR CLADDING FIXING)  
3.2 STUD/BRICK WALLS - 140x45 STUDS @ 600c/c  
4.8 STUD (CHIMNEY) - 2/140x45 STUDS @ 600c/c  
NOGS @ 800c/c  
REFER TO DIMENSION PLAN FOR 90mm AND 140mm WALL THICKNESSES

10

R2.4 WALL INSULATION. EXCLUDE GARAGE FROM INSULATION ENVELOPE, HOWEVER  
MAY BE INSULATED BY CHOICE.  
INSULATE INTERNAL WALLS BETWEEN DWELLING AND GARAGE

11

10mm GIB PLASTERBOARD ON ALL WALLS. USE GIB AQUALINE IN BATHROOMS

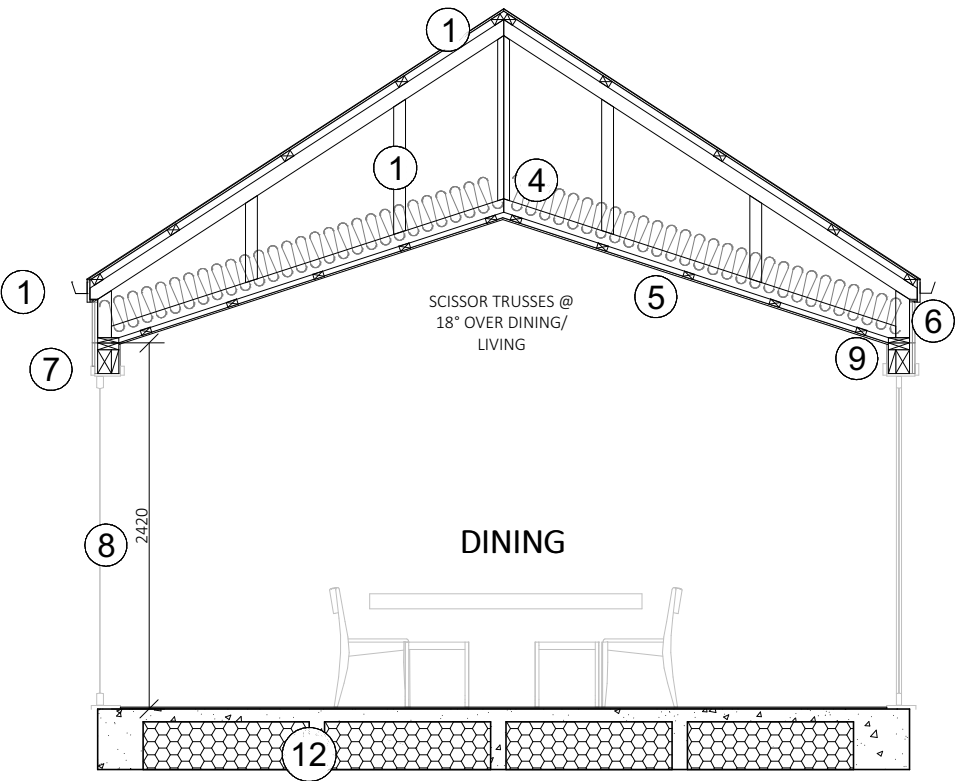
12

85mm FIRTH RIBRAFT RAFTMIX20 SLAB OVER EXCAVATIONS IN ACCORDANCE WITH  
SOIL REPORT SUPPLIED

13

FINISHING'S:  
60mm FJ ARCHITRAVES  
90mm FJ SKIRTINGS  
SQUARE STOP WALL TO CEILING

Date Received: 26/02/2026  
Received By : ViranParmar  
Number of pages: 39



Waikato District Council  
Building Consent Number  
BLD0747/26  
  
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SPECIFIC PAGE NOTES:

REVISIONS:

RFI

SHEET TITLE:

SECTION C-C

SCALE: 1:50 @ A3

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:

1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:

LOT 44 DP586983

WIND ZONE:

HIGH

EQ ZONE:

1

EXPOSURE ZONE:

B



DRAWINGS PROVIDED BY:

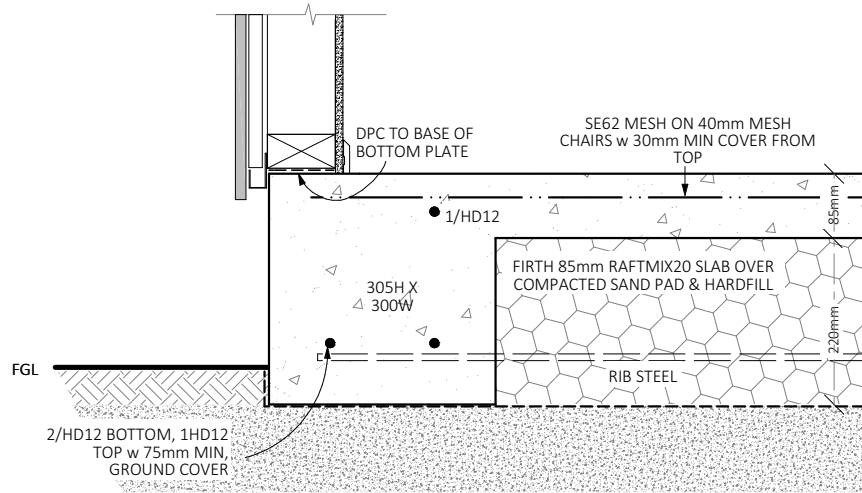
COOPER BY DESIGN  
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ph: 0277142079

DRAWINGS PREPARED FOR:

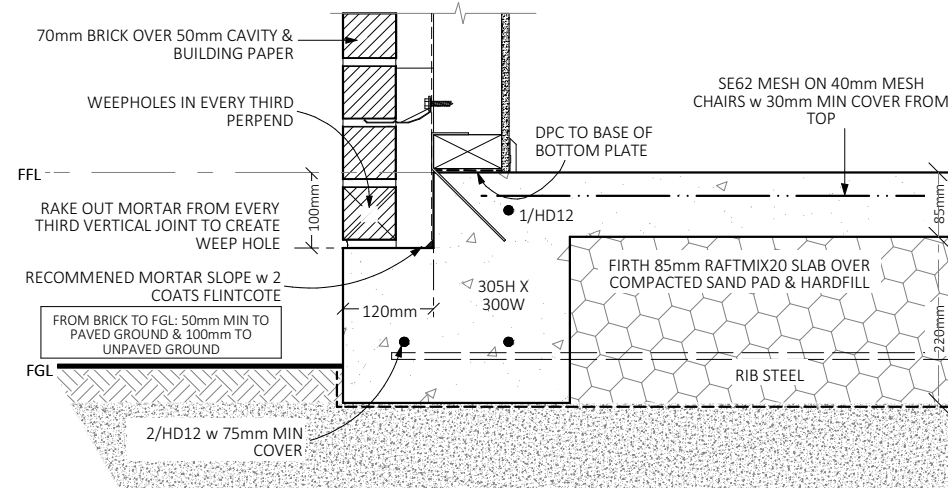
KINGSTON GROUP  
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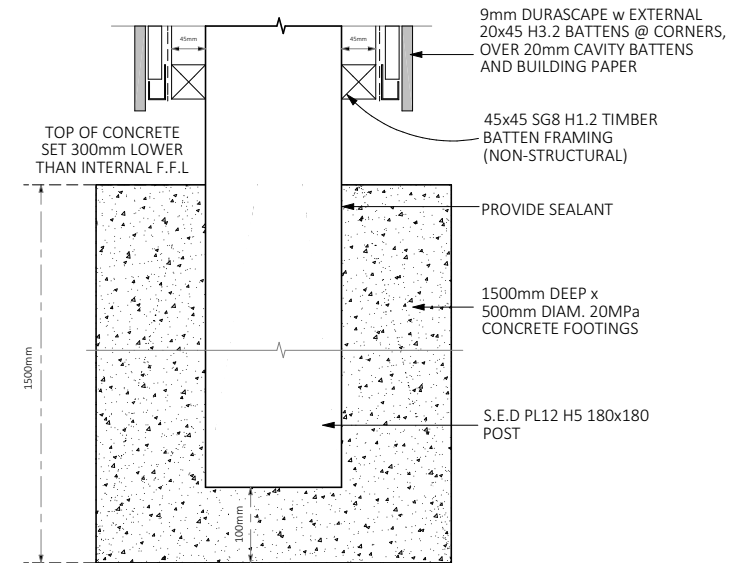
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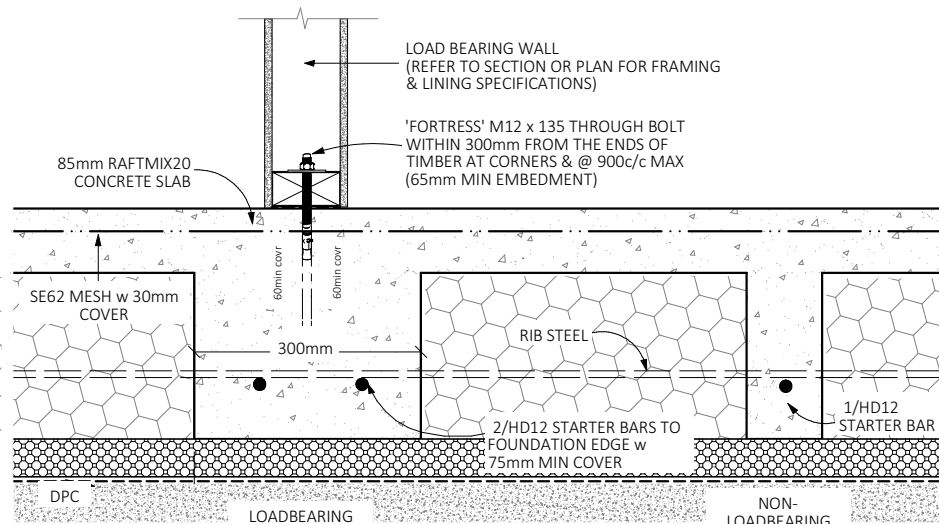
**F-01 FOOTING CONNECTION DETAIL**  
GENERAL - SCALE 1:10



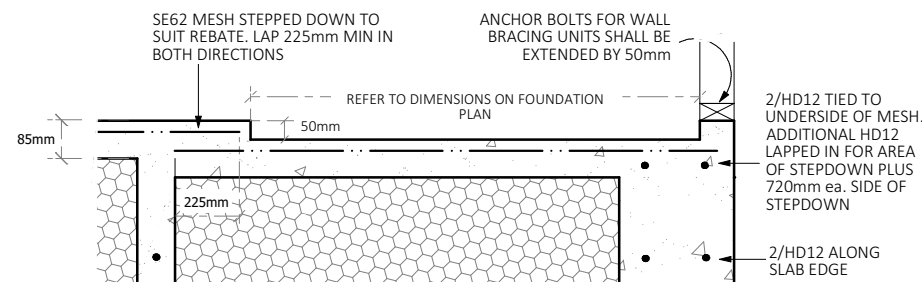
**F-02 FOOTING CONNECTION DETAIL**  
BRICK - SCALE 1:10



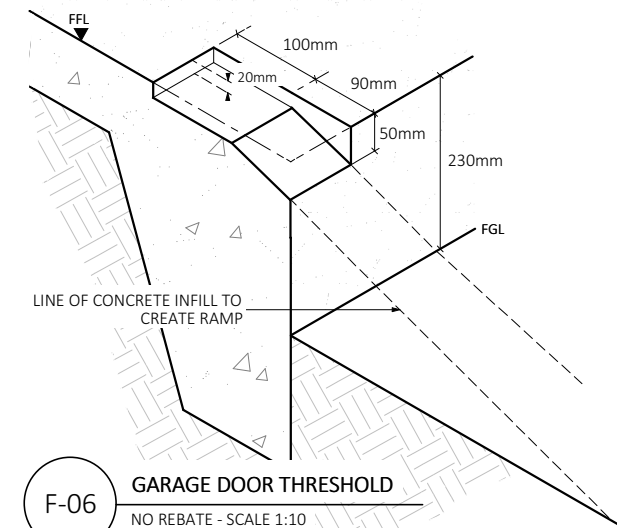
**F-03 COLUMN FOOTING DETAIL**  
SCALE 1:10



**F-04 LOADBEARING & NON-LOADBEARING FOOTING DETAILS**  
RIBRAFT - SCALE 1:10  
\*THIS DETAIL IS NOT INDICATIVE OF ACTUAL RIB SPACINGS\*



**F-05 REBATED SHOWER**  
RIBRAFT - SCALE 1:20



**F-06 GARAGE DOOR THRESHOLD**  
NO REBATE - SCALE 1:10

Waikato District Council  
Building Consent Number  
BLD0747/26

APPROVED

Date Received: 26/02/2026  
Received By : ViranParmar  
Number of pages: 39

SPECIFIC PAGE NOTES:

REVISIONS:

RFI

SHEET TITLE:

FOUNDATION DETAILS

SCALE: 1:10 @ A3

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:  
1 RIVER GARDENS LANE  
NGARUAHIA

LOT / DP:  
LOT 44 DP586983

WIND ZONE: HIGH  
EQ ZONE: 1  
EXPOSURE ZONE: B



DRAWINGS PROVIDED BY:

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SHEET: 15

Waikato District Council  
Building Consent Number  
BLD0747/26

APPROVED

Date Received: 26/02/2026  
Received By : ViranParmar  
Number of pages: 39

SPECIFIC PAGE NOTES:

REVISIONS:

RFI

SHEET TITLE:

CLADDING DETAILS

SCALE: VARIES / A3

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:

1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:

LOT 44 DP586983

WIND ZONE: EQ ZONE: EXPOSURE ZONE:

HIGH

1

B

DRAWINGS PROVIDED BY:

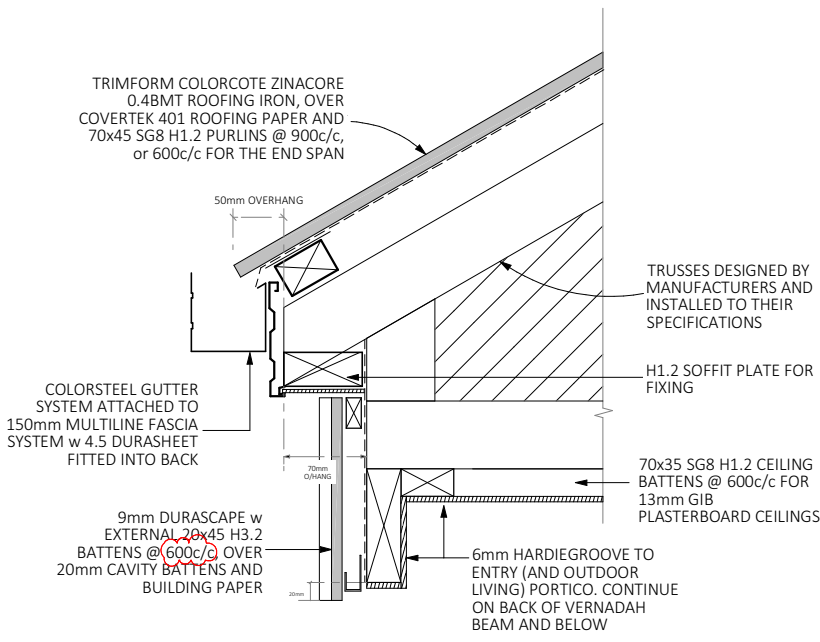
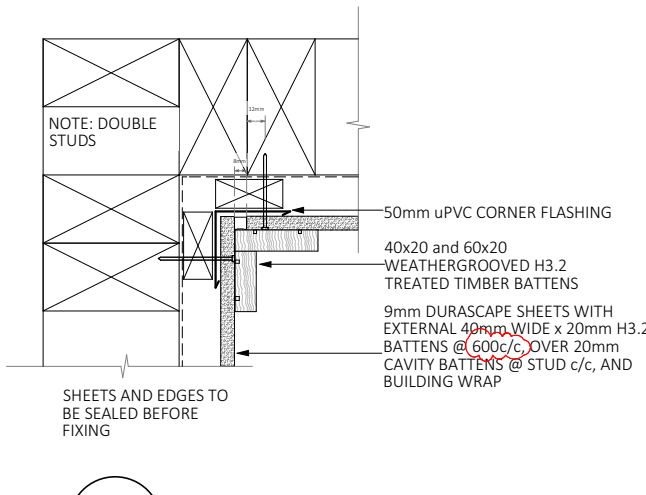
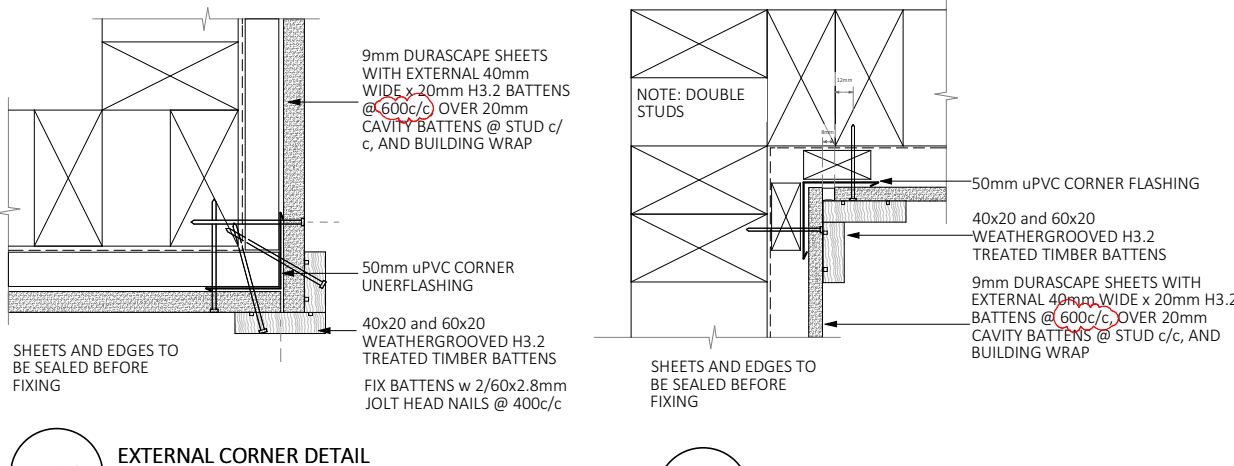
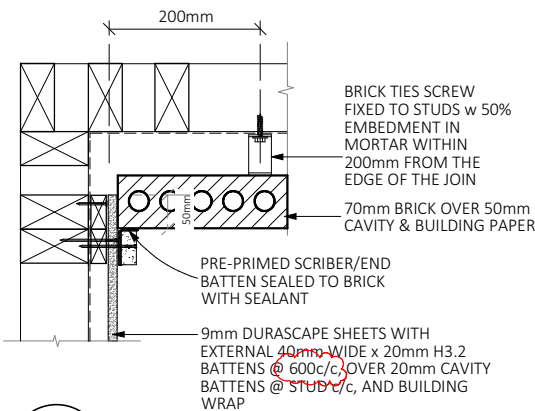
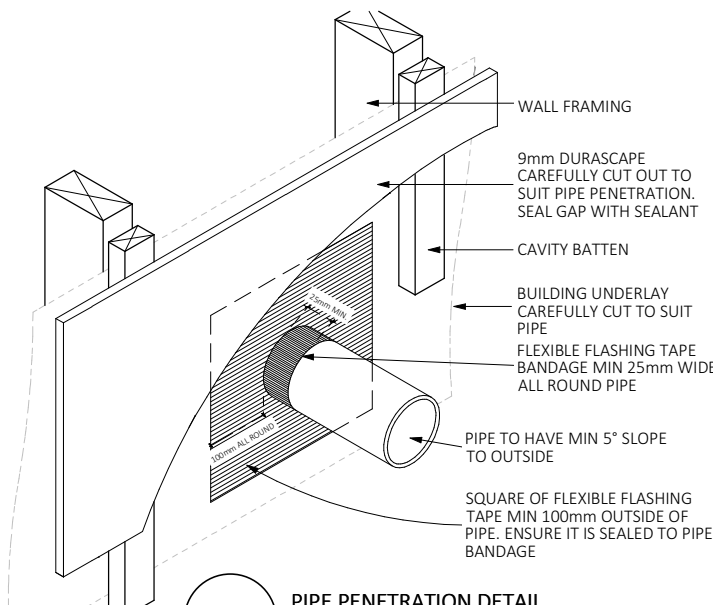
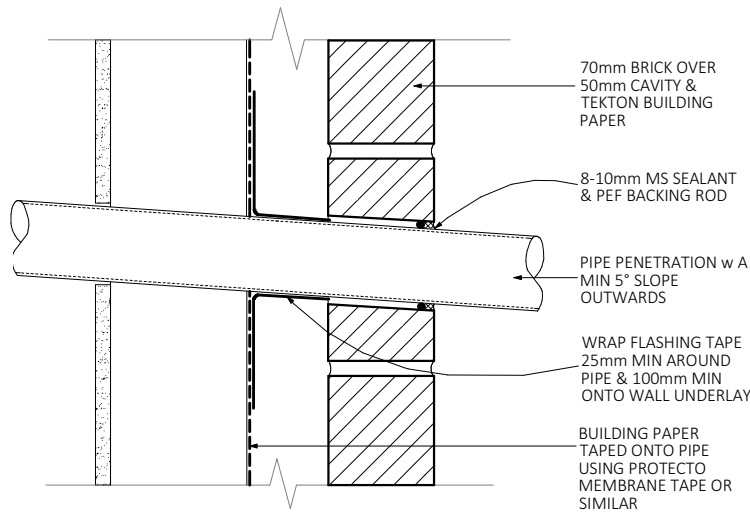
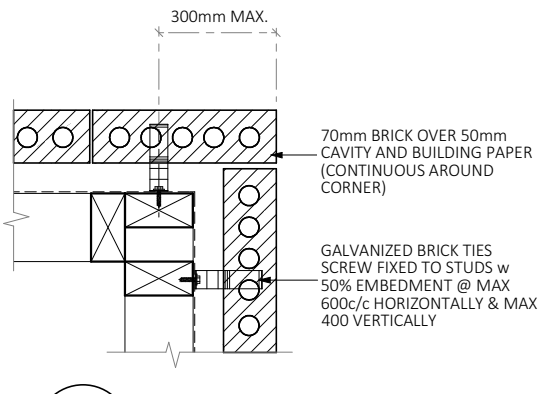
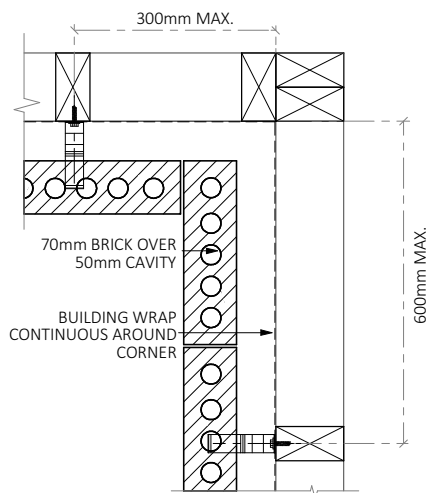
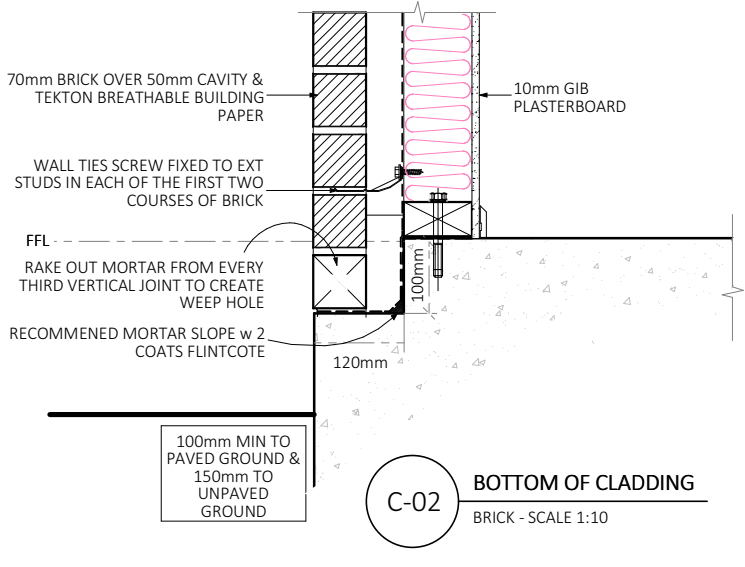
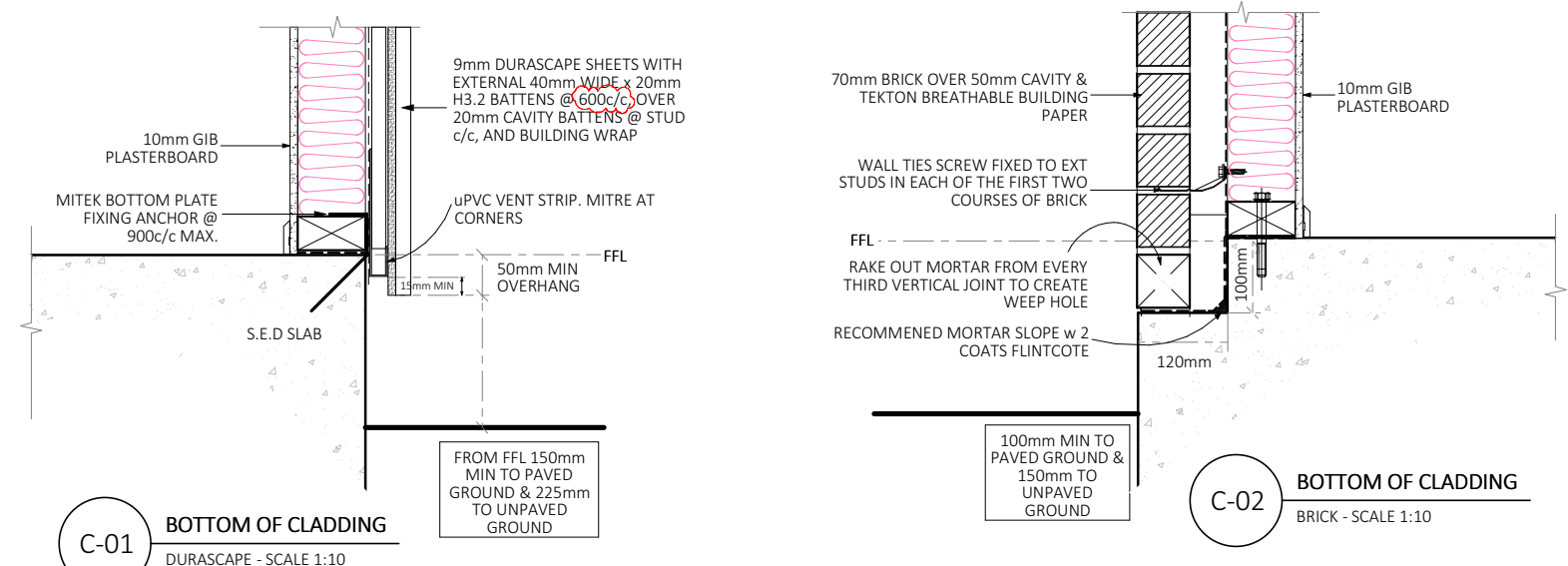
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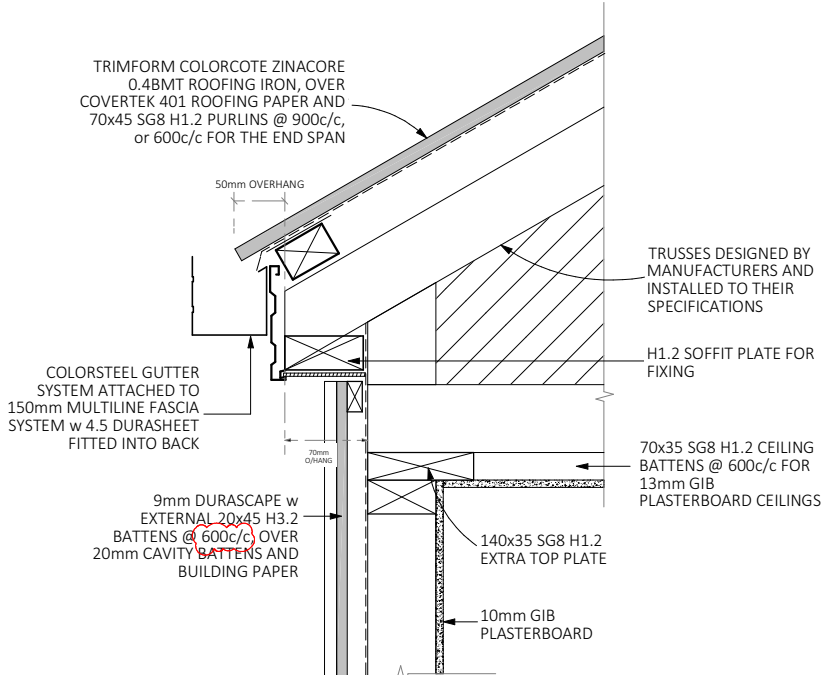
Kingston  
Group

SHEET: 16

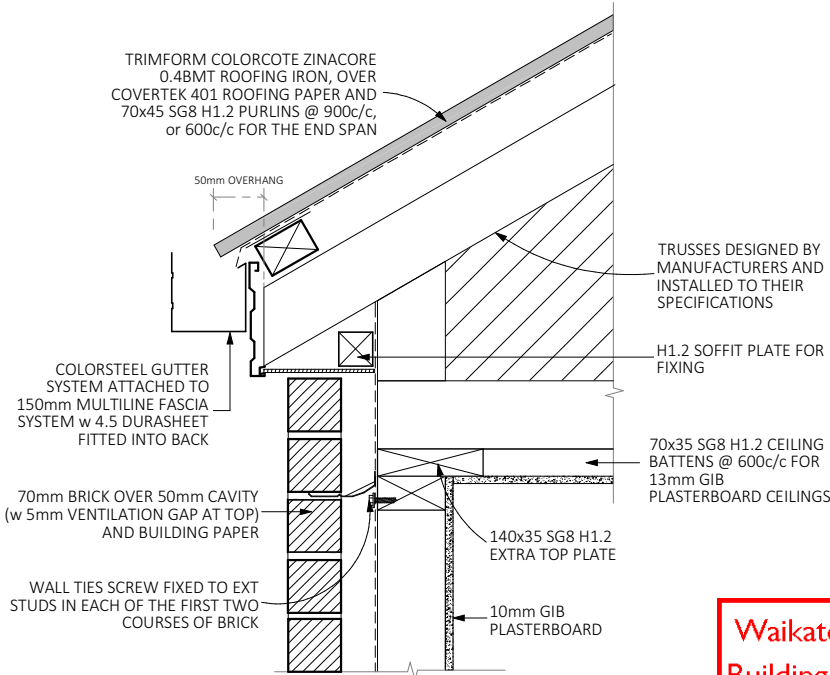


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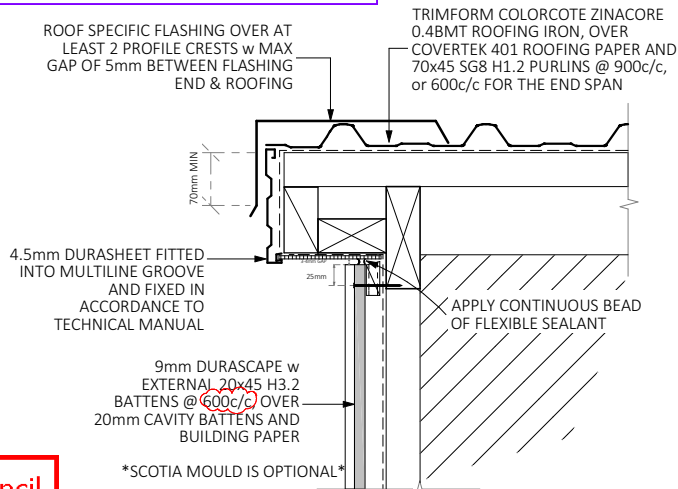
SPECIFIC PAGE NOTES:



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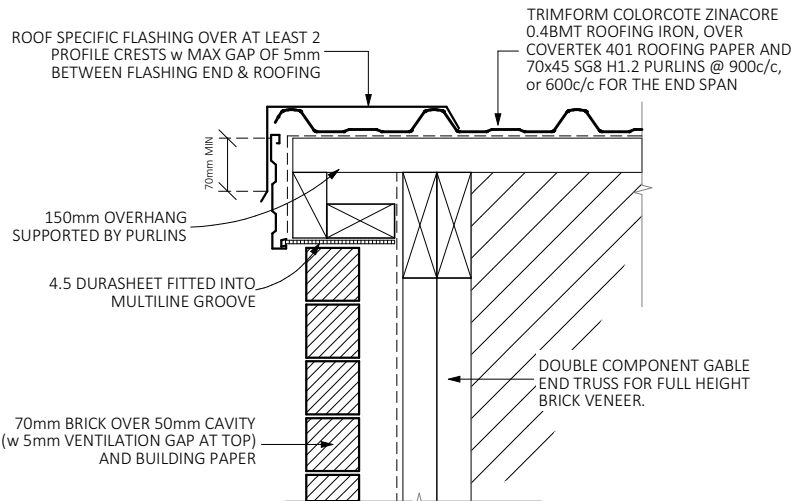


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BRICK - SCALE 1:10

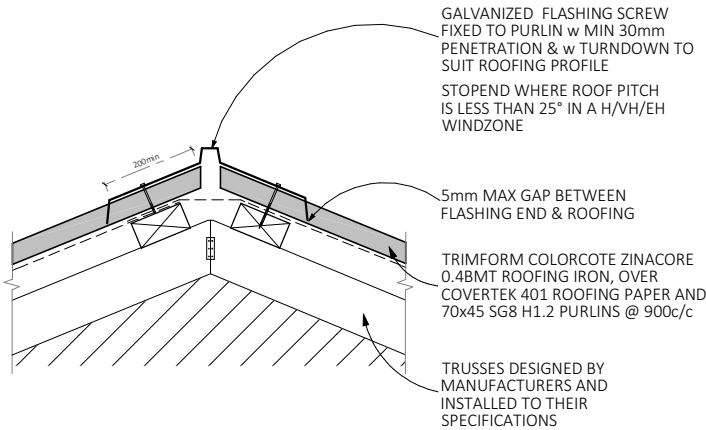


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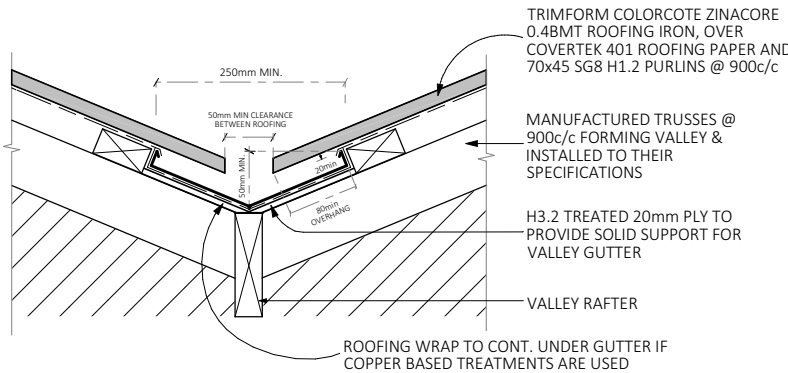
Waikato District Council  
Building Consent Number  
BLD0747/26  
  
APPROVED



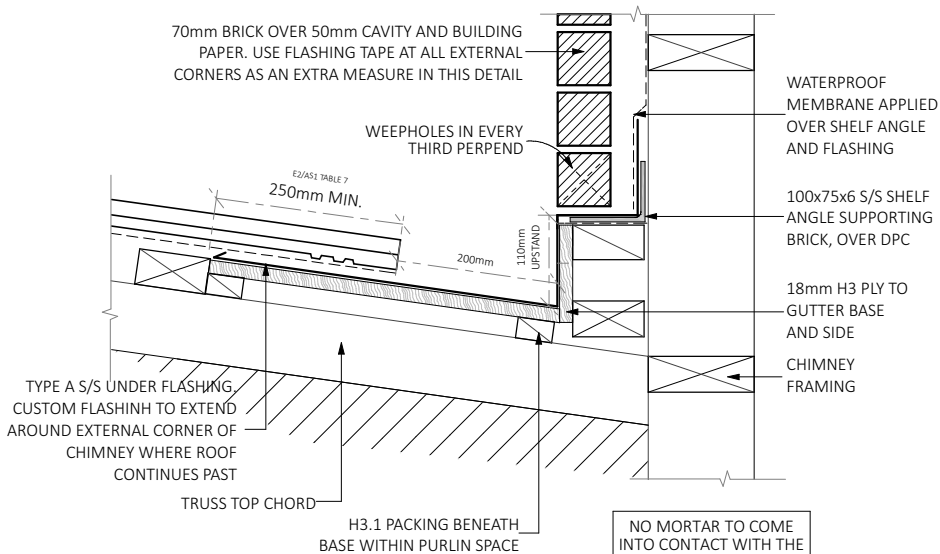
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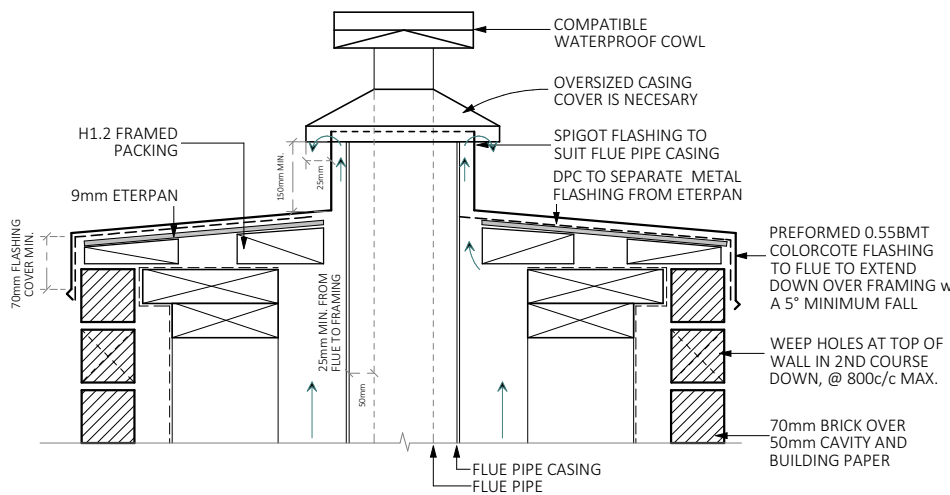
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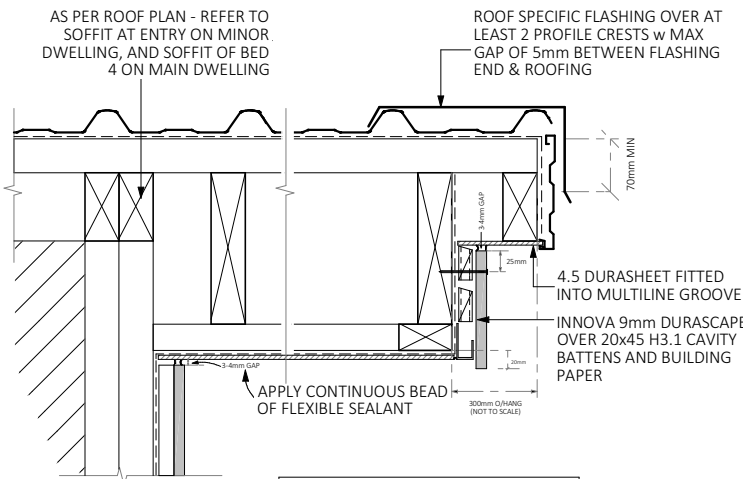
R-06 VALLEY JUNCTION DETAIL  
SCALE 1:10



R-07 SOAKER FLASHING TO CHIMNEY  
SCALE 1:10



R-08 CHIMNEY CAP DETAIL  
BRICK - SCALE 1:10



R-09 RAFTER/BARGE SOFFIT DETAIL  
STRIA - SCALE 1:10

OVERHANGS SHOWN HERE ARE NOT TO BE SCALE DOFF. REFER TO ROOF PLAN

REVISIONS:

RFI

SHEET TITLE:

ROOF DETAILS

SCALE: 1:10 @ A3

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:

1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:

LOT 44 DP586983

WIND ZONE:

HIGH

EQ ZONE:

1

EXPOSURE ZONE:

B

DRAWINGS PROVIDED BY:

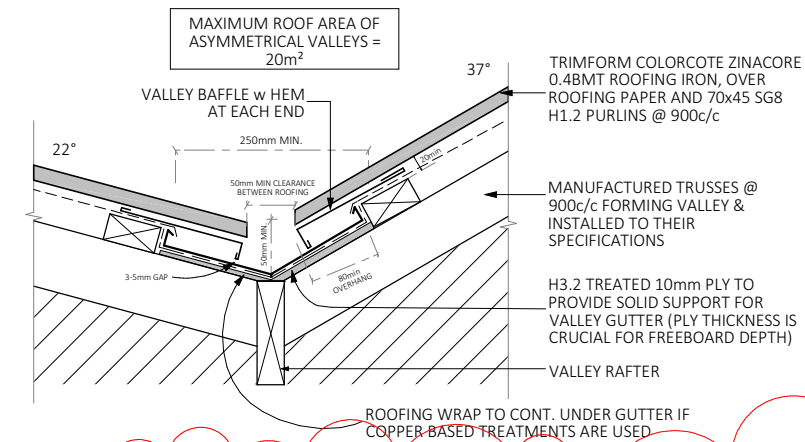
COOPER BY DESIGN  
Danielle Cooper  
em: danielle@cooperbydesign.co.nz  
ph: 0277142079

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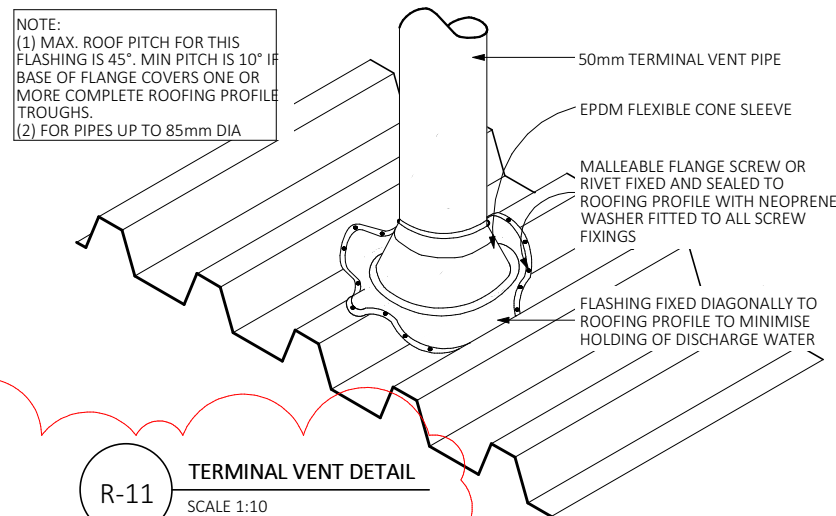
KINGSTON GROUP  
Peter Leach  
em: peter@kingstongroup.nz  
ph: 0273040577

Kingston  
Group

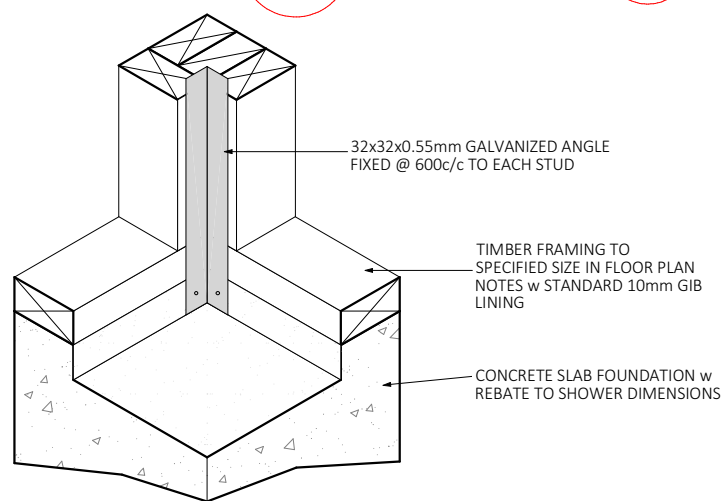
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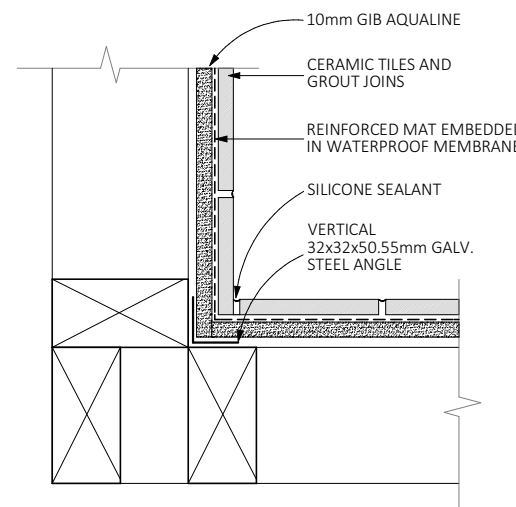
**R-10 VALLEY BAFFLE DETAIL**  
ASYMMETRICAL VALLEY - SCALE 1:10



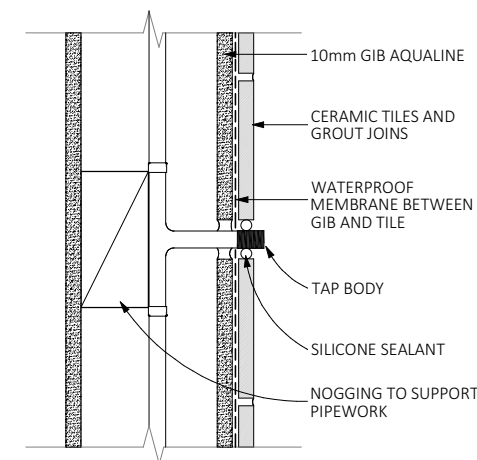
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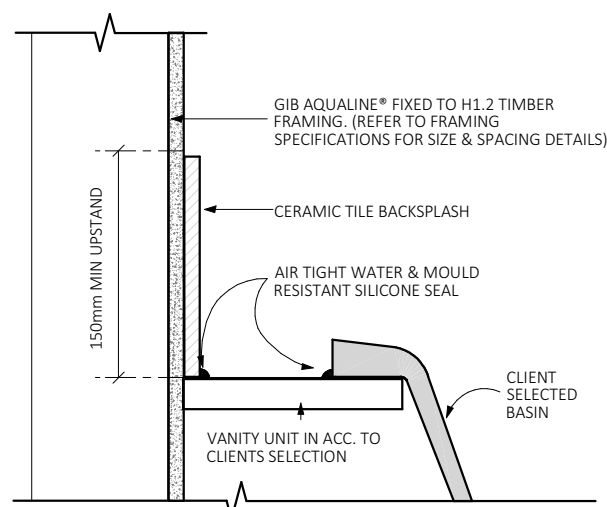
**B-01 INTERNAL SHOWER CORNER**  
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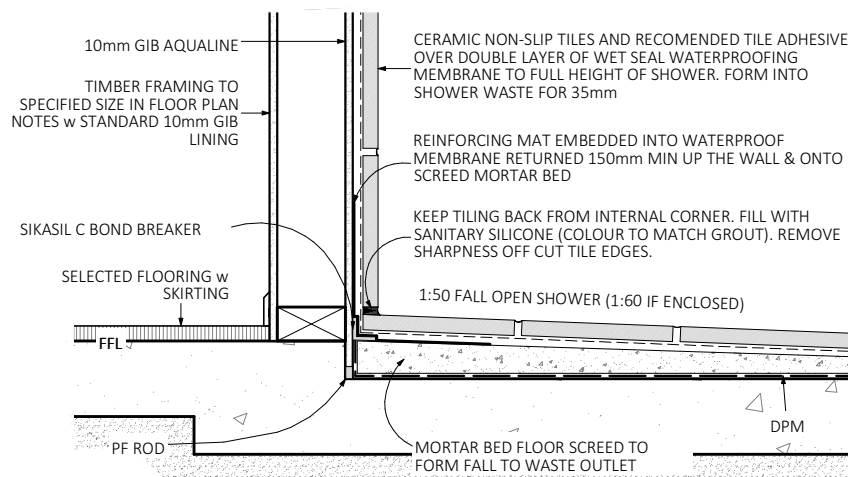
**B-02 TILED SHOWER INTERNAL CORNER**  
SCALE 1:5



**B-03 PIPE PENETRATION IN TILED SHOWER WALL** SCALE 1:5



**B-04 VANITY TO WALL DETAIL**  
PLASTERBOARD - SCALE 1:5



**B-05 SHOWER WATERPROOFING CONSTRUCTION**  
SCALE 1:10

Waikato District Council  
Building Consent Number  
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Date Received: 26/02/2026  
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Number of pages: 39

SPECIFIC PAGE NOTES:

REVISIONS:

RFI

SHEET TITLE:

ROOF CONT. AND  
BATHROOM DETAILS

SCALE: VARIES / A3

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:

1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:

LOT 44 DP586983

WIND ZONE: EQ ZONE: EXPOSURE ZONE:

HIGH

1

B



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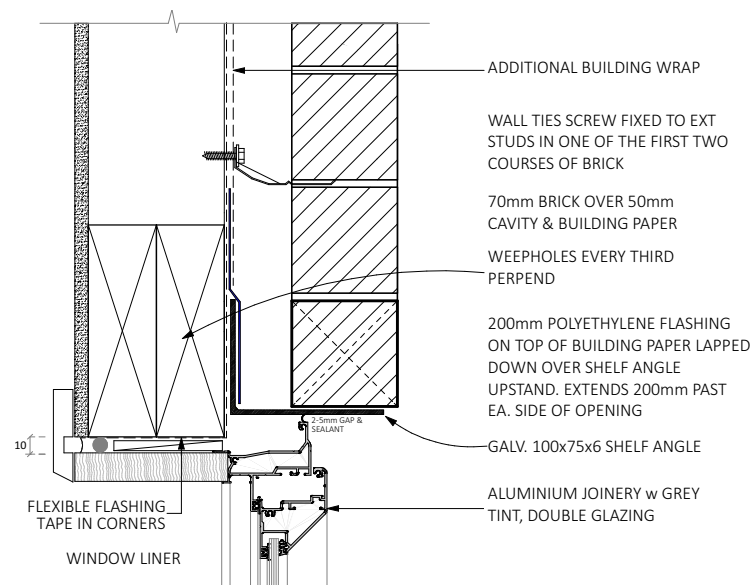
COOPER BY DESIGN  
Danielle Cooper  
em: danielle@cooperbydesign.co.nz  
ph: 0277142079

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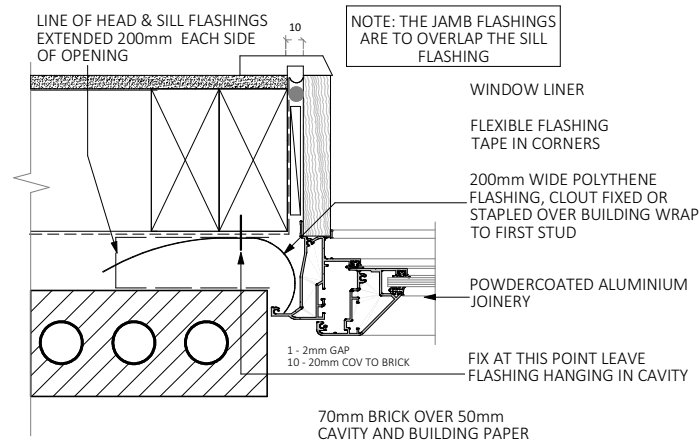
KINGSTON GROUP  
Peter Leach  
em: peter@kingstongroup.nz  
ph: 0273040577



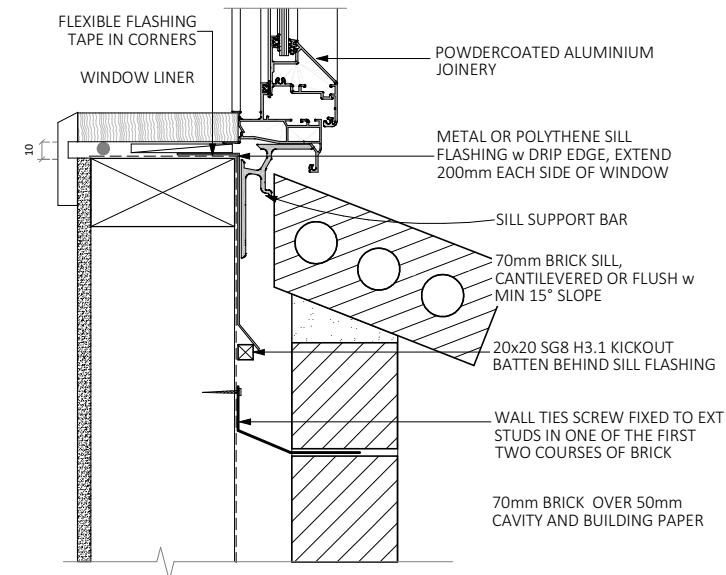
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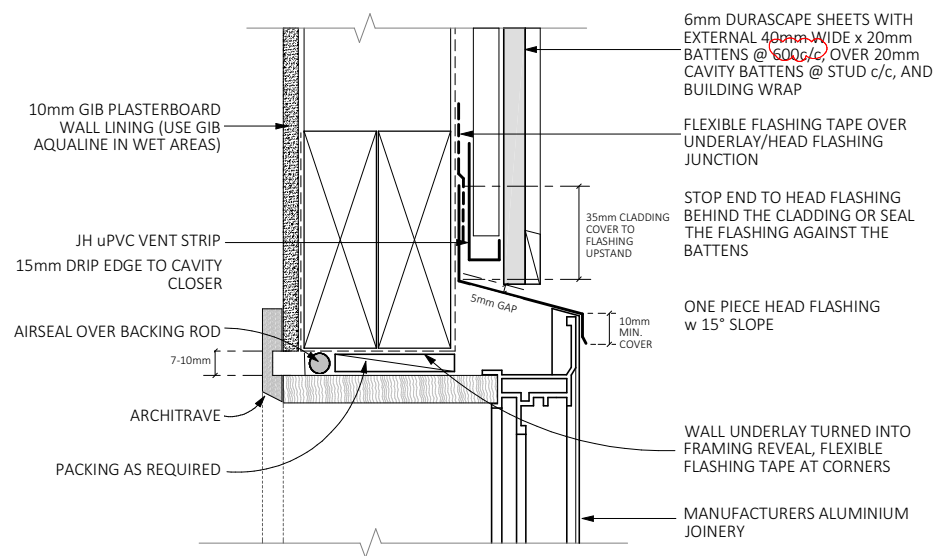
J-01 WIN/DOOR HEAD DETAIL  
BRICK - SCALE 1:5



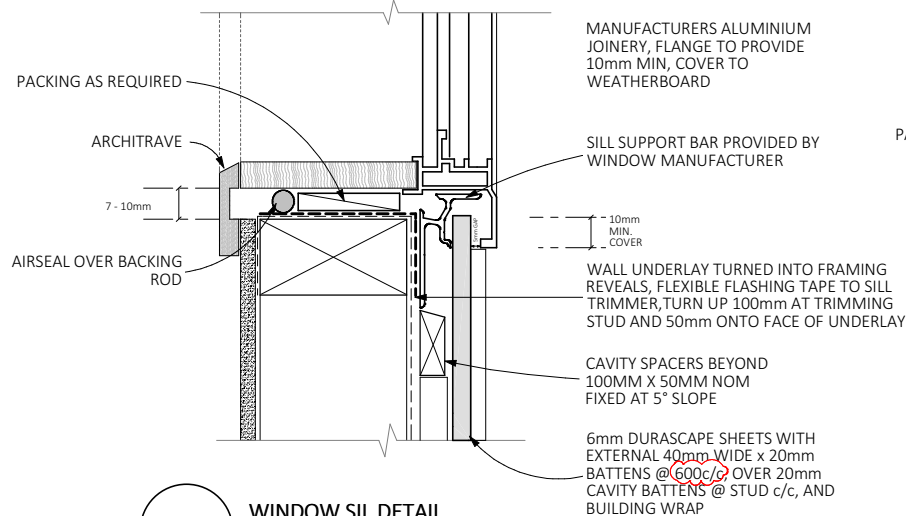
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BRICK - SCALE 1:5



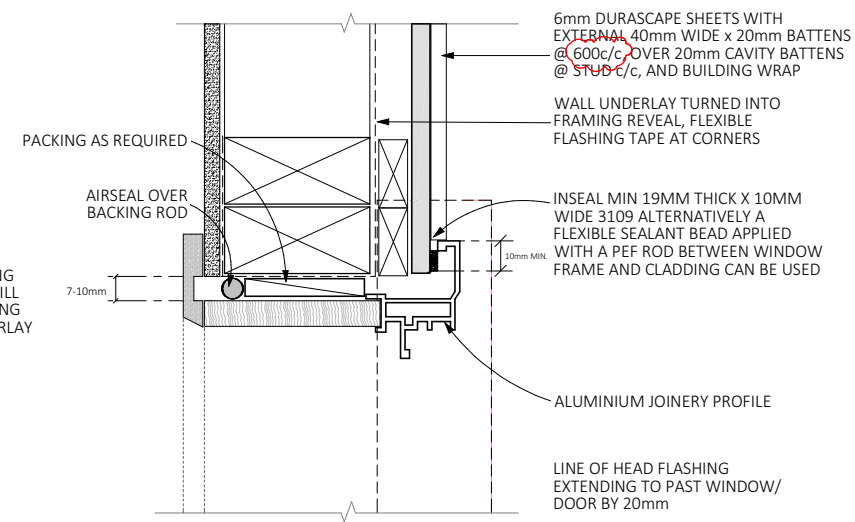
J-03 WINDOW SILL DETAIL  
BRICK - SCALE 1:5



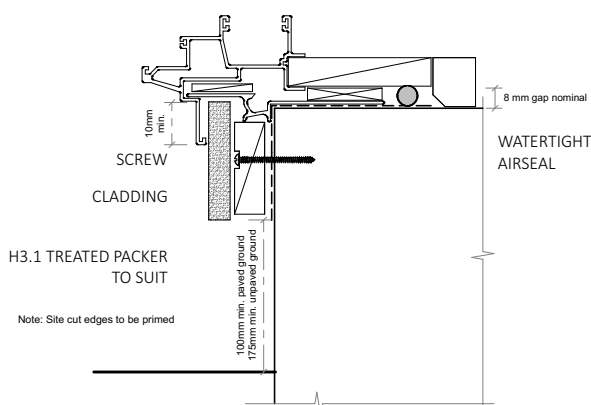
J-04 WINDOW HEAD DETAIL  
DURASCAPE - SCALE 1:5



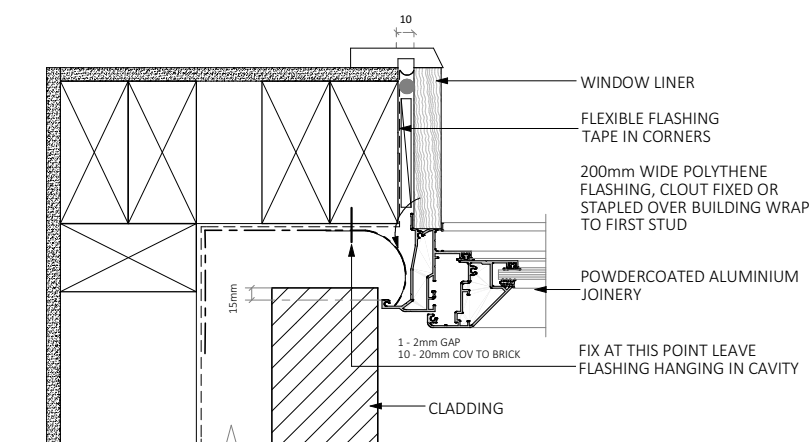
J-05 WINDOW SIL DETAIL  
DURASCAPE - SCALE 1:5



J-06 WINDOW JAMB DETAIL  
DURASCAPE - SCALE 1:5



J-07 DOOR SILL DETAIL  
GENERIC - SCALE 1:5



J-08 WIN/DOOR JAMB PERPENDICULAR  
SCALE 1:5

Date Received: 26/02/2026  
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Number of pages: 39

Waikato District Council  
Building Consent Number  
BLD0747/26

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SPECIFIC PAGE NOTES:

REVISIONS:

RFI

SHEET TITLE:

JOINERY DETAILS

SCALE: 1:5 @ A3

DATE: 26/02/2026

PROJECT DESCRIPTION:

1 RIVER GARDENS LANE

SITE ADDRESS:  
1 RIVER GARDENS LANE  
NGARUAWAHIA

LOT / DP:  
LOT 44 DP586983

|            |          |                |
|------------|----------|----------------|
| WIND ZONE: | EQ ZONE: | EXPOSURE ZONE: |
| HIGH       | 1        | B              |



DRAWINGS PROVIDED BY:  
COOPER BY DESIGN  
Danielle Cooper  
em: danielle@cooperbydesign.co.nz  
ph: 0277142079

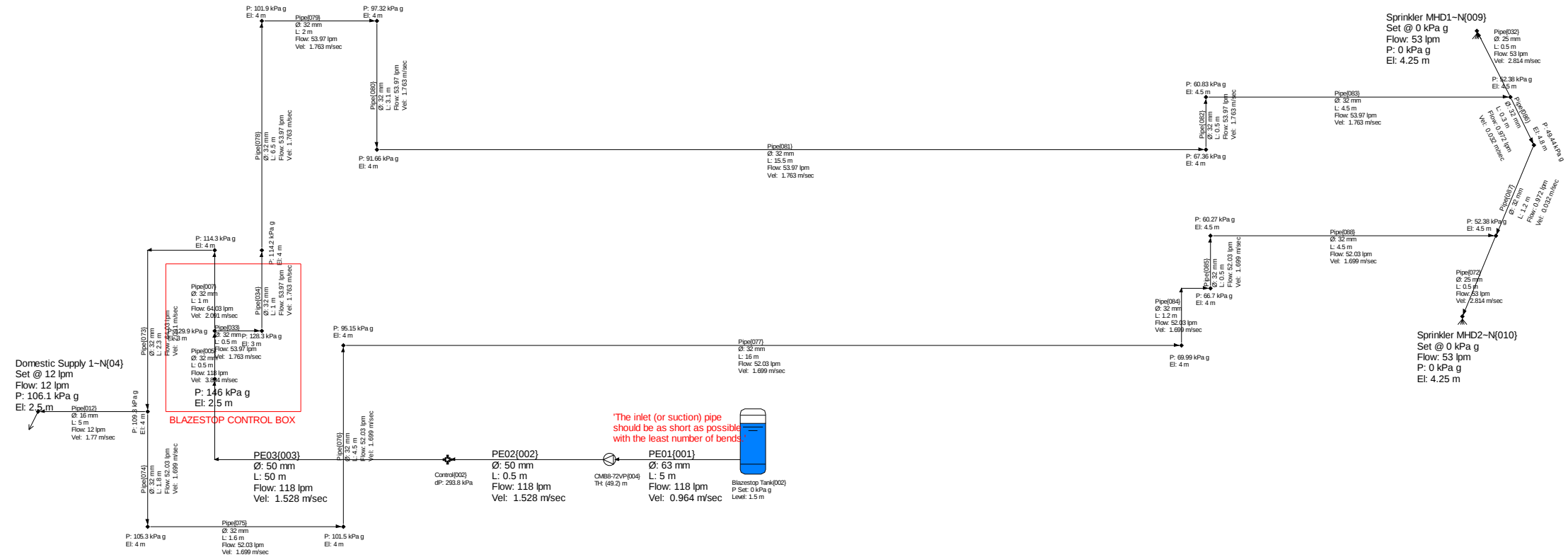
DRAWINGS PREPARED FOR:  
KINGSTON GROUP  
Peter Leach  
em: peter@kingstongroup.nz  
ph: 0273040577



SHEET: 19

Waikato District Council  
Building Consent Number  
BLD0747/26

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Date Received: 26/02/2026  
Received By : ViranParmar  
Number of pages: 40

| Lineup: <Design Case>                 | Hazen-Williams | PIPE-FLO 2009   |
|---------------------------------------|----------------|-----------------|
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| Date: 11/02/26 11:38 am               |                | Pressure: kPa g |
| Company: LEAP AUSTRALASIA LTD         |                | Size: mm        |
| Project: QU5171                       |                | Elevation: m    |
| by: Leap Ltd                          |                | Velocity: m/sec |
|                                       |                | Length: m       |
|                                       |                | Volume: liters  |

Drawing List

| No.   | Sheet Name                                       |
|-------|--------------------------------------------------|
| L01.0 | LEAP BLAZESTOP AUTOMATIC SPRINKLER SYSTEM LAYOUT |

Waikato District Council  
Building Consent Number  
BLD0747/26  
  
APPROVED

Project Name:  
Fire Sprinkler System for House

Project Address:  
1 River Gardens Lane, Ngaruawahia

Legal Description:  
LOT 44 DP586983

Architect:  
COOPER BY DESIGN

Job #  
QU5171  
11/02/2026 11:35:27 am

t: + 64 4 568 9424  
f: + 64 4 568 9423

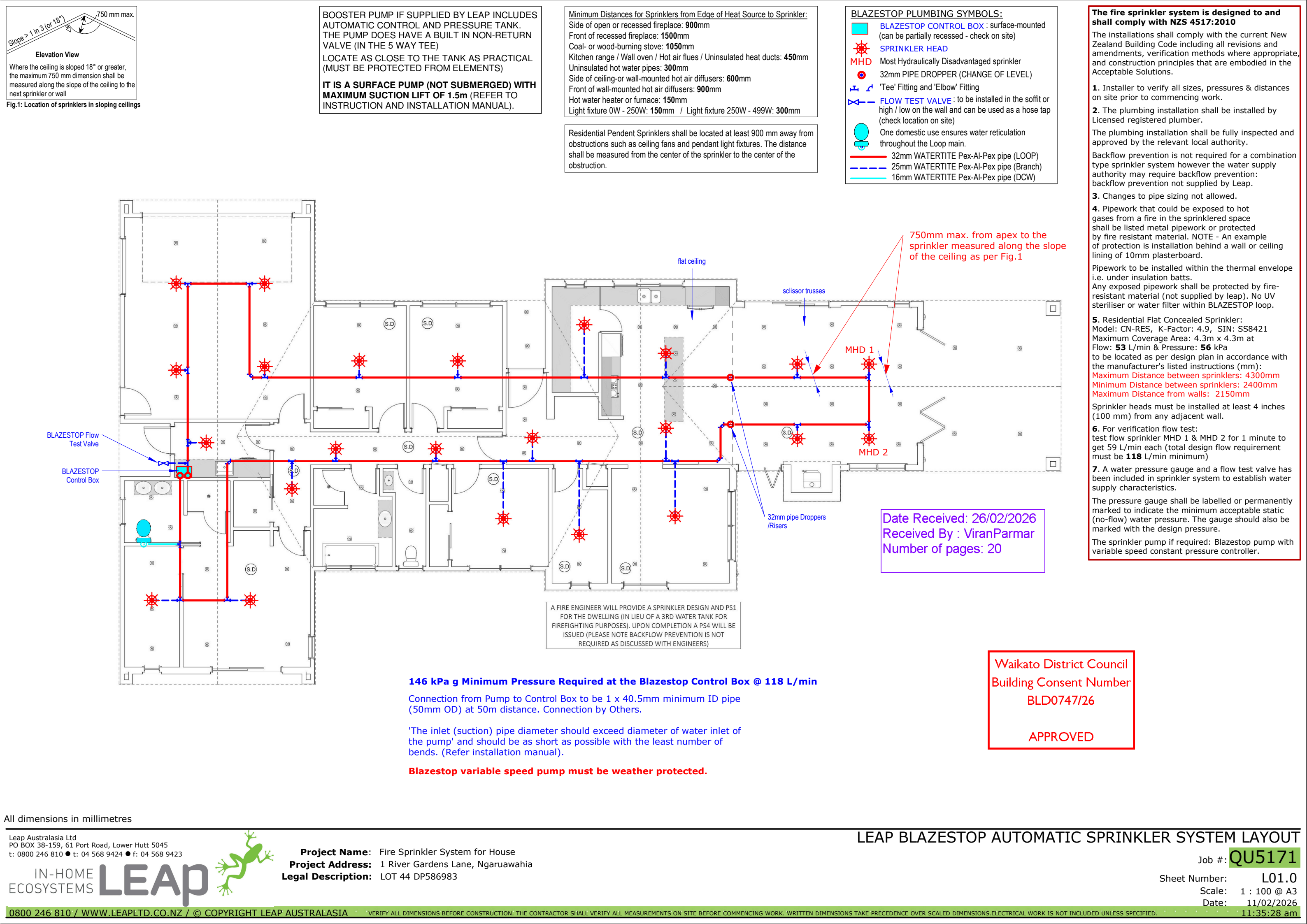
www.leapltd.co.nz

61 Port Road  
PO BOX 38-159  
Lower Hutt 5045, New Zealand



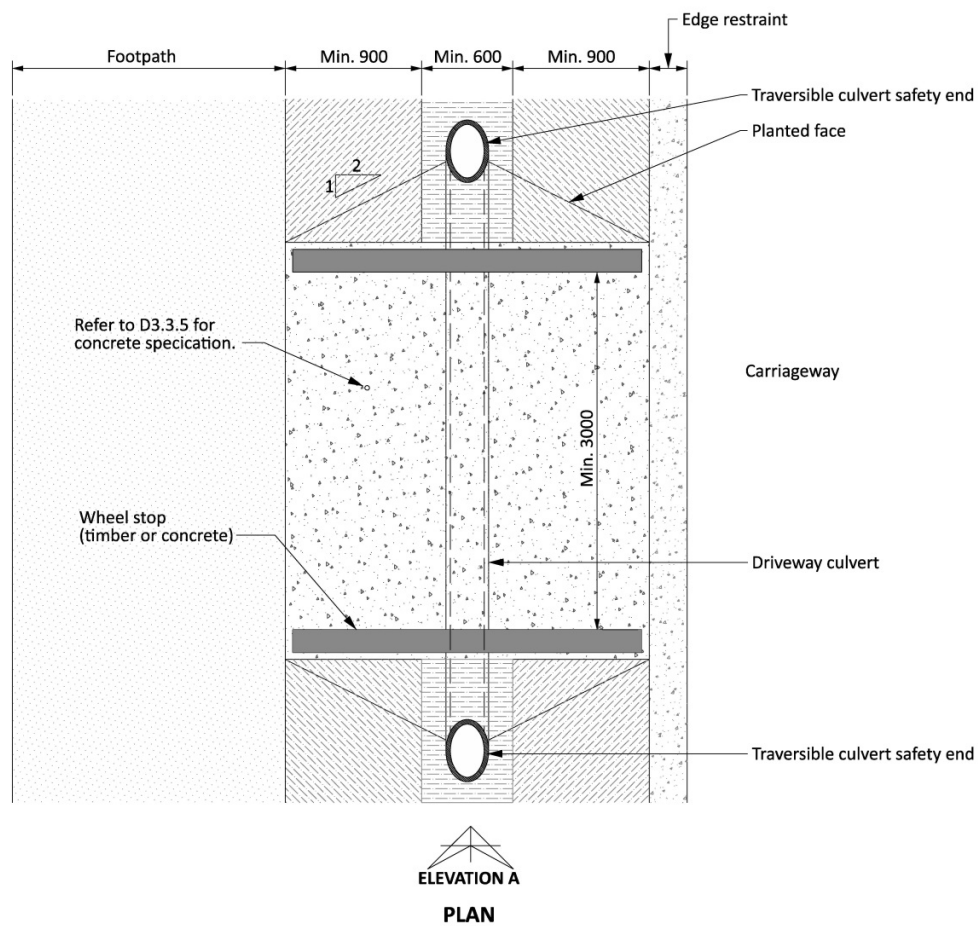
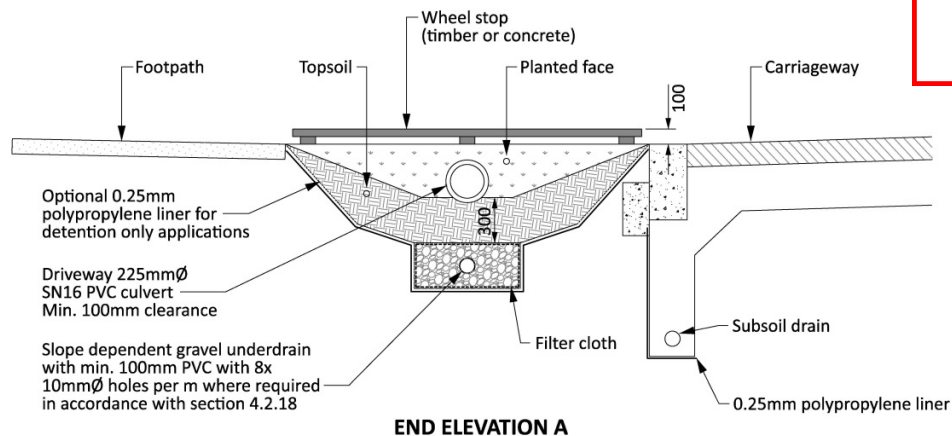
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DATE:



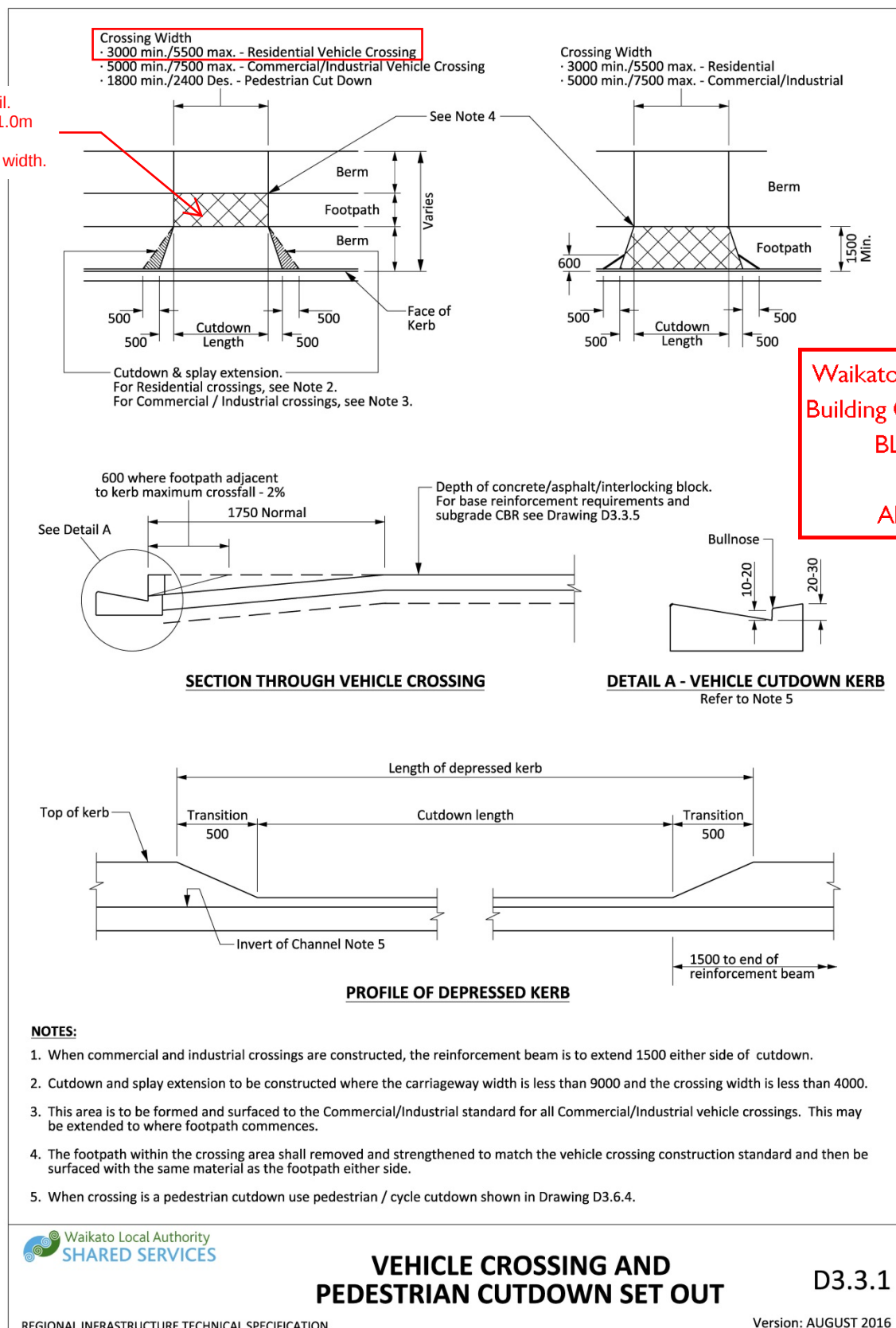
Waikato District Council  
Building Consent Number  
BLD0747/26

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**Drawing 4-21: Swale driveway crossing detail**

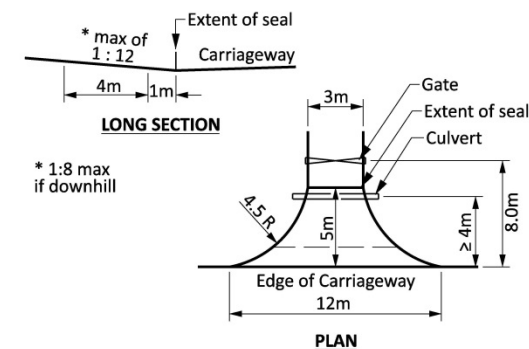
Use this plan detail.  
allow flare of min 1.0m  
each side of  
crossing/driveway width.



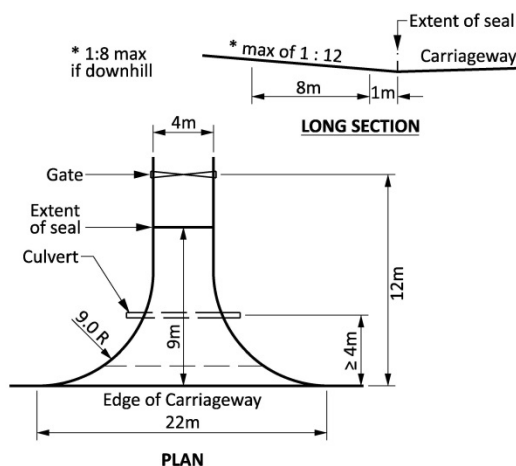
Waikato District Council  
Building Consent Number  
BLD0747/26

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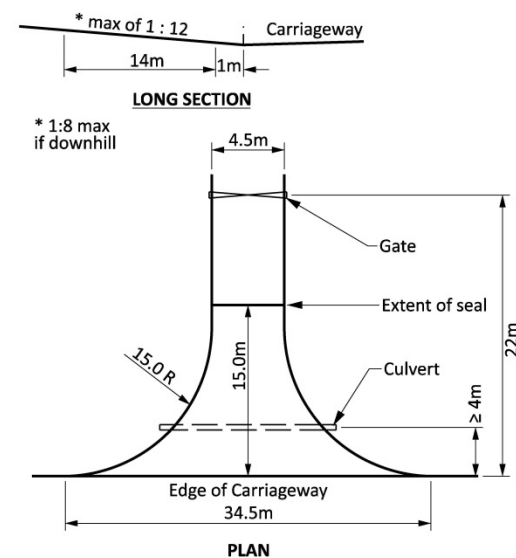
Drawing 3-13: Vehicle crossing and pedestrian cutdown set out



**RESIDENTIAL < 2 ha**



**LIGHT COMMERCIAL 2 ha - 20 ha**  
(for light truck up to 12m long)



**HEAVY COMMERCIAL > 20 ha**  
(for medium rigid truck up to 18m long)

**NOTES:**

**1.0 GENERAL**

- 1.1 ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES AND TO THE SATISFACTION OF COUNCIL. Additional requirements to those shown on this drawing may be necessary for a particular location and will be determined on site.
- 1.2 The Contractor shall be responsible for traffic control while undertaking work within the road reserve and must obtain a CAR from Council.
- 1.3 The Contractor shall be responsible for the cost of repairs to any underground utility services damaged during construction. Any damage shall be rectified to the satisfaction of the Utility Owner.
- 1.4 A Rural Residential Vehicle Entrance is deemed to be adequate to accommodate a 5m long car turning into a property at a radius of 7.5m.
- 1.5 The centreline of entrance formation meets carriageway not <70 degrees.
- 1.6 See Drawing D3.3

**2.0 LOCATION**

- 2.1 Each entrance shall be located to provide clear sight distance in both directions in accordance with NZTA RTS6.
- 2.2 Separation distances shall be as indicated on Drawing D3.1.5

**3.0 CULVERT**

- 3.1 If an entrance crosses a public drain or water course the Contractor shall notify the Council who will need to agree to the culvert diameter, before installation.
- 3.2 If the entrance crosses a watertable or small drain (less than 2m wide by 0.5m deep), a 300mm diameter minimum Reinforced Concrete Rubber Ring Joint (R.C.R.R.J.) Class 4 pipe shall be installed with a minimum 200mm cover.
- 3.3 Any unsuitable bedding material including vegetation, topsoil and peat shall be removed and replaced in accordance with pipe manufacturers specifications.
- 3.4 All culverts shall be laid straight at a constant grade, a minimum of 4.0m from the edge of carriageway. Socket end shall always be uphill.

**4.0 SUBBASE**

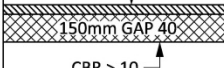
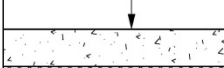
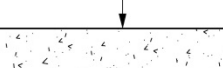
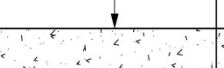
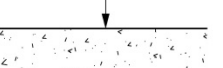
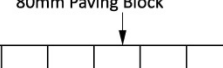
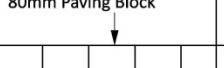
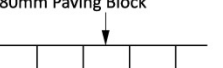
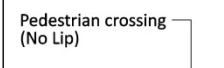
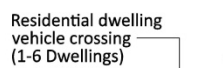
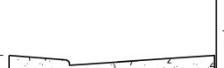
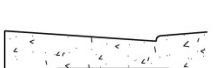
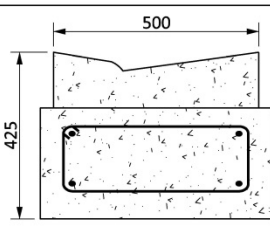
- 4.1 A minimum CBR of 5% is required before placement of sub-base material. If this CBR cannot be achieved, Council's roading consent staff will advise how to proceed. This may involve an additional depth of pavement construction, or the installation of geosynthetics.
- 4.2 Pit sand, brown rock or similar material shall be placed, trimmed and compacted to provide minimum 150mm depth of subbase & total pavement of 250mm. The subbase shall be placed from the edge of the carriageway to the gate or cattlestop.

**5.0 BASECOURSE**

- 5.1 Clean good quality G.A.P. 40 basecourse metal shall be placed, trimmed and compacted to provide 100mm depth of basecourse from the carriageway to the gate or cattlestop.
- 5.2 The basecourse material shall be trimmed to provide a crown in the centre of the entrance to ensure adequate surface drainage away from the road seal or property boundary.

**6.0 SURFACING**

- 6.1 If the entrance is off a metal surfaced road, NO additional surfacing over the basecourse material will be required.
- 6.2 Each entrance off a sealed road shall be surfaced with a two coat bitumen/chip seal as a minimum surfacing standard. The surfacing shall be constructed with 180/200 grade bitumen and Grade 3 and 5 chip. The seal shall extend at least 5m, 9m & 15m as per sketches.
- 6.3 See Clause 3.3.10.2

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Pedestrian Footpath<br>(Single Residential Dwelling)                                                                                                                 | Residential Strength<br>Vehicle Crossing<br>(Multi Dwellings 2-6)                                                                                                                        | Commercial Strength<br>Vehicle Crossing<br>(Multi Dwellings 7+)                                                                                                    | Industrial Strength<br>Vehicle Crossings                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Asphalt Surfacing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 25mm Mix 10 Asphalt<br><br>CBR > 10<br>Pavement Depth = 175mm                       | 25mm Mix 10 Asphalt<br><br>CBR > 10<br>Pavement Depth = 200mm                                           | 25mm Mix 10 Asphalt<br><br>CBR > 10<br>Pavement Depth = 250mm                    | 50mm Mix 20 Asphalt<br><br>CBR > 10<br>Pavement Depth = 300mm                    |
| Concrete Surfacing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100mm Concrete<br><br>CBR > 10<br>Pavement Depth = 175mm                            | 125mm Concrete<br><br>CBR > 10<br>Pavement Depth = 200mm                                                | 150mm Concrete<br><br>CBR > 10<br>Pavement Depth = 250mm                         | 175mm Concrete<br><br>CBR > 10<br>Pavement Depth = 300mm                         |
| Interlocking Block Paving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50/60mm Paving Block<br><br>CBR > 10<br>25mm Bedding Sand<br>Pavement Depth = 175mm | 80mm Paving Block<br><br>CBR > 10<br>25mm Bedding Sand<br>Pavement Depth = 195mm                        | 80mm Paving Block<br><br>CBR > 10<br>25mm Bedding Sand<br>Pavement Depth = 250mm | 80mm Paving Block<br><br>CBR > 10<br>25mm Bedding Sand<br>Pavement Depth = 300mm |
| Depressed Kerb and Channel Crossing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pedestrian crossing<br>(No Lip)<br><br>CBR > 10<br>Pavement Depth = 200mm         | Residential dwelling<br>vehicle crossing<br>(1-6 Dwellings)<br><br>CBR > 10<br>Pavement Depth = 200mm | <br>CBR > 10<br>Pavement Depth = 300mm                                         | <br>CBR > 10<br>Pavement Depth = 350mm                                         |
| <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>Concrete - 28 Day in place minimum strength of 20MPa.</li> <li>Basecourse depth can be amended by using steel mesh reinforcing in concrete vehicle crossings (specific design required).</li> <li>Depth of sand / GAP material to be increased where the CBR is not achievable.</li> </ol> <div style="text-align: center;">  <p><b>MACHINE EXTRUDED CROSSING</b><br/>Pavement Depth = 425mm CBR &gt; 10</p> </div> |                                                                                                                                                                      |                                                                                                                                                                                          |                                                                                                                                                                    |                                                                                                                                                                     |

**Drawing 3-17: Cross section details for footpath, vehicle crossings and depressed kerb and channel**