

BC No: 230758

SITE DETAILS:

175 TOWNSEND ROAD

RANGIORA

LEGAL:

LOT 115 DP 575822

AS BUILT TRUSS LAYOUT REQUIRED –

This must be received by the Building Unit
AT LEAST 10 WORKING DAYS PRIOR to the
Structure Pre-Roof Pre-Wrap Inspection

Truss “As-Built” Designs may be sent to:
buildinginfo@wmk.govt.nz

Approved Building Consent Documents and Plans (Full set)

On Site Copy

- These plans and specifications must be kept on site during construction, and made available to the building officer on request. Failure to do so will mean an automatic failure of the building inspection and will necessitate re-booking the inspection at the applicant's expense.
- All boundary survey pegs must be located and flagged by the owner before work is commenced.

Inspections

For bookings or building enquiries please phone the **Building Unit** on:

03 311 8906

or

Email inspection bookings to: bcbooking@wmk.govt.nz

- Please refer to your inspection schedule for details of inspections to be carried out.
- At least 2-3 full working days' notice should be given when booking an inspection.
- Please be advised that it may not always be possible to carry out the inspection within the time frame you require.
- Provision is to be made to allow access.
- The Code Compliance Certificate will be issued once the:
 - Final inspection has been carried out and passed.
 - Audit of WDC building consent file has been completed.
 - Payment of any outstanding invoices is received.

CONCRETE AND REINFORCING MESH SUMMARY

**MESH OPTIONS - 146.1mm²/m, 2.29kg/m² or greater
Mesh SE62 as per AS/NZS4671),
Concrete - Allied super Slab
Use mix code 252RSS**

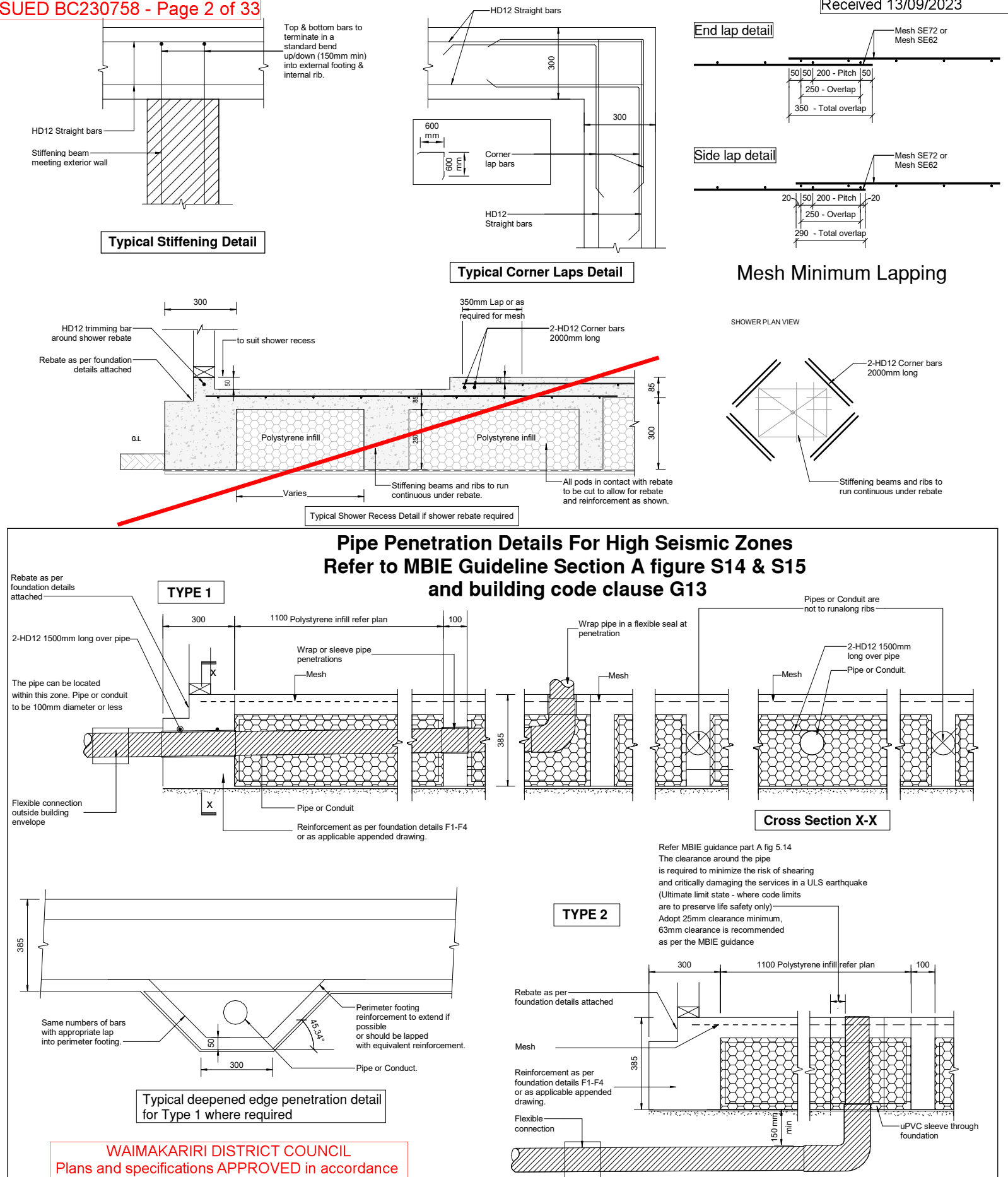
Allied Concrete

NOTE 3: Bridging note
Bridging of public services has not been allowed for unless indicated on the foundation layout (refer S100).

No construction is permitted within a 45 degree line of influence from 500mm below the pipe invert (or as per geotechnical or council requirements). Minimum proximity and pile embedment's as per local council and government standards need to be followed when constructing in this zone.

HFC and the architect should be notified for specific bridging design if applicable.

Reinforcing:				
SYMBOL		TYPE		
R		Plain bars grade 300E to NZS 4671 (300 MPa)		
D		Deformed bars grade 300E to NZS 4671 (300 MPa)		
HR		Plain bars grade 500E to NZS 4671 (500 MPa)		
HD		Deformed bars grade 500E to NZS 4671 (500 MPa)		
BAR SIZE HD		10	12	16
LAP LENGTH (25MPa)		450	600	900

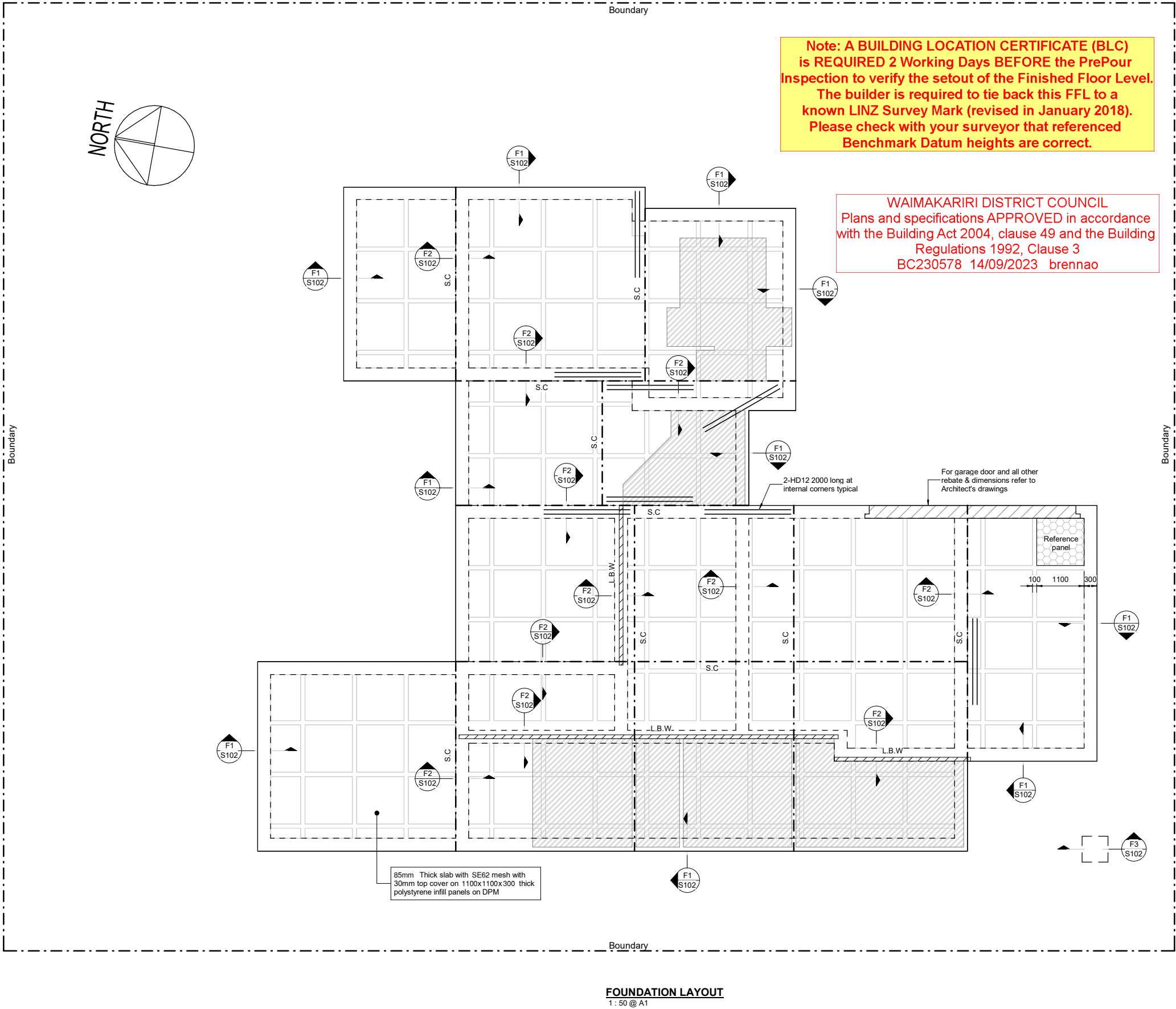
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JOB TITLE

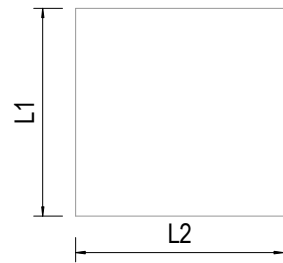
PROPOSED HOUSE AT
LOT 155, Stage 3, TOWNSEND
FIELDS, RANGIORA

DRAWING TITLE	GENERAL NOTES - FOUNDATION
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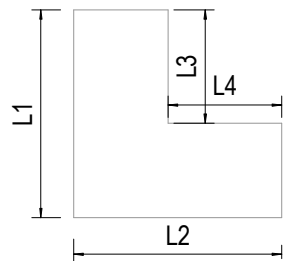
DRAWING STATUS		
CONSENT		
SCALE @ A1 As indicated @ A3	DATE 20.06.2023	SHEET NO. S99
DRAWN	JZ	
DESIGNED	RZ	JOB NO. 23-135
CHECKED	TW	
		ISSUE A



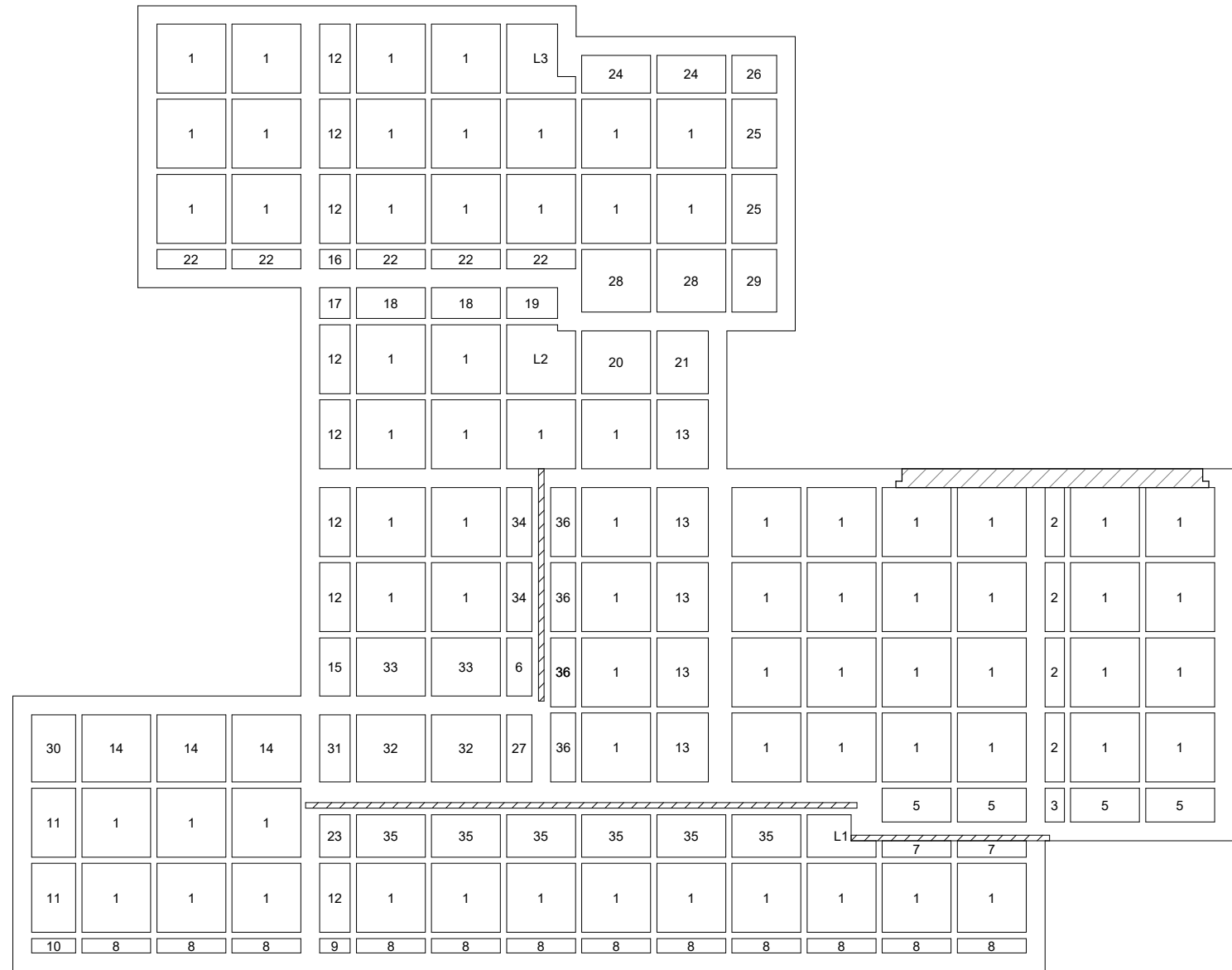
Tiled area. Any Sawcuts crossing tiled area require a free joint in the tiles above the sawcut.		Point Load		INTERNAL STIFFENING BEAM OR THICKENING FOR POINT LOADS OR LOAD BEARING WALLS LARGER THAN 13 KN		25mm Deep saw cut within 24 hours. Refer to sheet S99 General notes item 9.		REFER TO SHEET G003 FOR GENERAL NOTES AND INSPECTIONS REQUIREMENTS FOR FOUNDATIONS		CONSENT	
SCALE @ A1 1:50 @ A3 1:100		DATE 20.06.2023		SHEET NO. S100		DRAWN JZ		DESIGNED RZ		JOB NO. 23-135	
CHECKED TW		ISSUE A		PROPOSED HOUSE AT LOT 155, Stage 3, TOWNSEND FIELDS, RANGIORA		FOUNDATION PLAN TC1 WAFFLE SLAB		HFC GROUP CIVIL & STRUCTURAL ENGINEERS		DESIGN ISSUED BY HFC CIVIL & STRUCTURAL (SOUTH) LTD, PART OF THE HFC GROUP OF COMPANIES. E: CHCH@HFC.CO.NZ P: 03 339 7000	



1	1100	1100	71	POLYPOD 300
2	1100	310	4	POLYPOD 300
3	540	310	1	POLYPOD 300
5	540	1100	4	POLYPOD 300
6	928	404	1	POLYPOD 300
7	260	1100	2	POLYPOD 300
8	231	1100	12	POLYPOD 300
9	231	488	1	POLYPOD 300
10	231	702	1	POLYPOD 300
11	1100	702	2	POLYPOD 300
12	1100	488	8	POLYPOD 300
13	1100	820	5	POLYPOD 300
14	1072	1100	3	POLYPOD 300
15	928	488	1	POLYPOD 300
16	309	488	1	POLYPOD 300
17	491	488	1	POLYPOD 300
18	491	1100	2	POLYPOD 300
19	491	811	1	POLYPOD 300
20	1001	1100	1	POLYPOD 300
21	1001	820	1	POLYPOD 300
22	309	1100	5	POLYPOD 300
23	676	488	1	POLYPOD 300
24	601	1100	2	POLYPOD 300
25	1100	712	2	POLYPOD 300
26	601	712	1	POLYPOD 300
27	1072	404	1	POLYPOD 300
28	999	1100	2	POLYPOD 300
29	999	712	1	POLYPOD 300
30	1072	702	1	POLYPOD 300
31	1072	488	1	POLYPOD 300
32	1072	1100	2	POLYPOD 300
33	928	1100	2	POLYPOD 300
34	1100	404	2	POLYPOD 300
35	676	1100	6	POLYPOD 300
36	1100	396	4	POLYPOD 300



L3	1100	1100	289	840	1	POLYPOD-L(300-1100)
L2	1100	1100	289	99	1	POLYPOD-L(300-1100)
L1	1100	676	395	415	1	POLYPOD-L(300-1100)



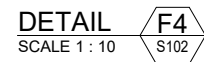
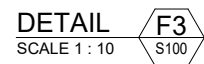
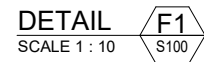
POD LAYOUT
1 : 50 @ A1

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Plans and specifications APPROVED in accordance
with the Building Act 2004, clause 49 and the Building
Regulations 1992, Clause 3
BC230578 14/09/2023 brennao

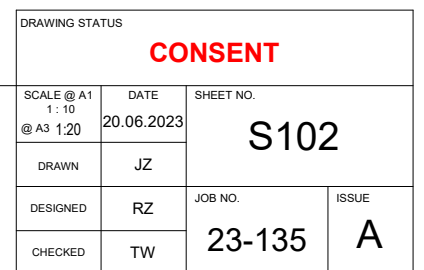
NOTE: Approximate quantities only, no allowance for site wastage

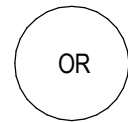
STRUCTURAL FOUNDATION MATERIAL TAKE OFF							
Structural Material	Foundation Thickness	Total Length	Total Width	Material: Volume	Perimeter	Area	Area Comments
Concrete, 25Mpa	385	15423	19499	35.93 m³	77236	199.59 m²	

[illegible]



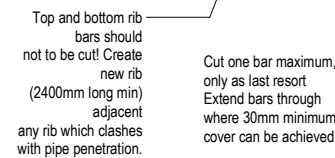
A	22.06.2022	CONSENT	JZ
REV	DATE	AMENDMENT	BY





Top and bottom rib bars should not be cut! Create new rib (2400mm long min) adjacent any rib which clashes with pipe penetration.

Cut one bar maximum, only as last resort
Extend bars through where 30mm minimum cover can be achieved



— Top and bottom rib bars should not be cut! Create new rib (2400mm long min) adjacent any rib which clashes with pipe penetration.

PRINT IN COLOUR

NOTES:

Drawings to be read in conjunction with Architectural documentation.

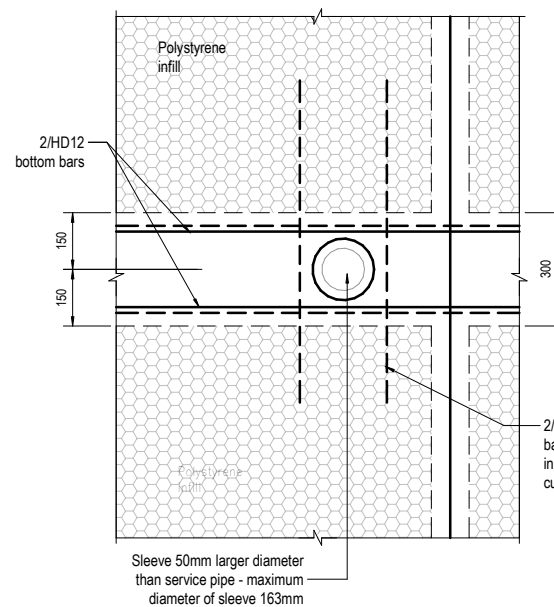
All drawing to be read in conjunction with sheet: "G001
GENERAL NOTES" and attached full specification.

Contractor to provide shop drawings to engineer for all structural steelwork & Precast drawings for review prior to fabrication.

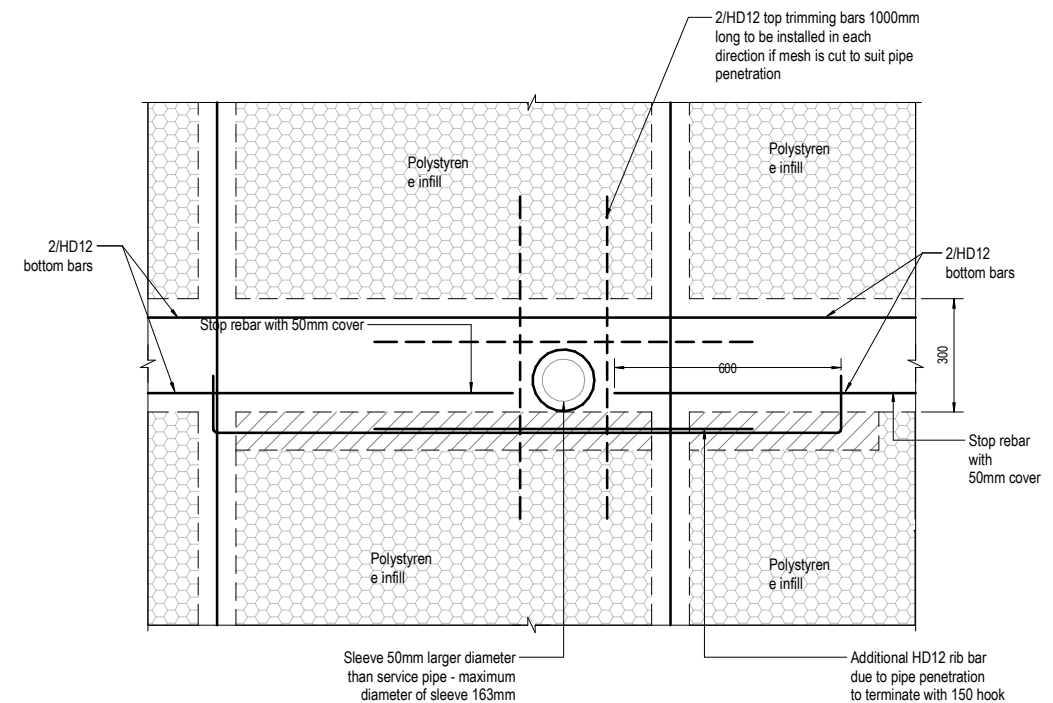
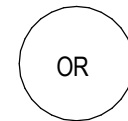
Do not scale from drawings. HFC drawings are not allowed to be used as shop drawings.

All timber works other than shown on drawings to be as per NZS 3604: 2011

Contractor to ensure no direct contact between slab and timber framing



TYPICAL PENETRATION IN LOAD
BEARING THICKENING - PIPE CENTRAL



DRAWING STATUS			
CONSENT			
SCALE @ A1 1:10 @ A3	DATE 20.06.2023	SHEET NO. S103	
DRAWN	JZ		
DESIGNED	RZ	JOB NO.	ISSUE
CHECKED	TW	23-135	A

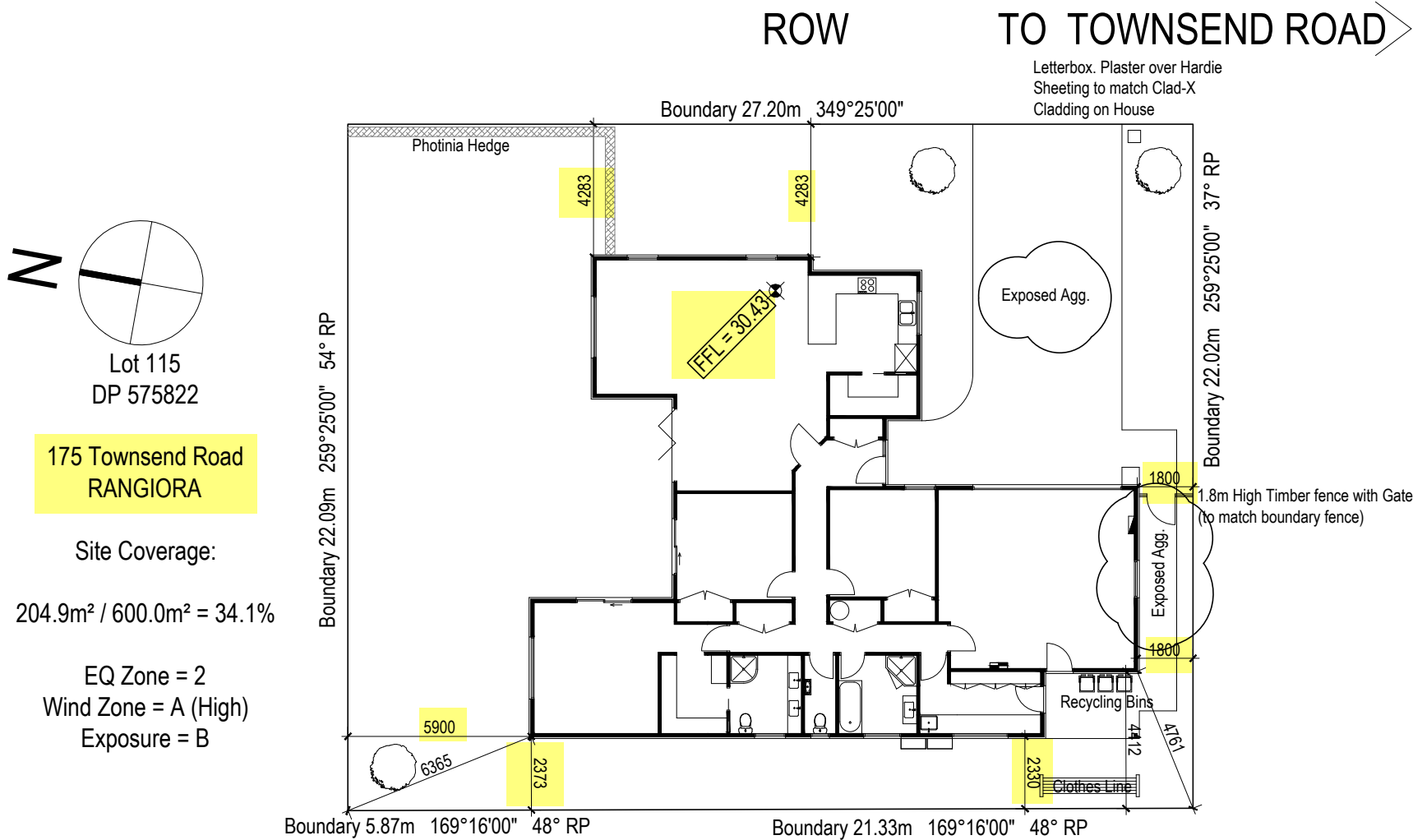
A	22.06.2022	CONSENT	JZ
REV	DATE	AMENDMENT	BY



JOB TITLE

PROPOSED HOUSE AT
LOT 155, Stage 3, TOWNSEND
FIELDS, RANGIORA

DRAWING TITLE
PIPE PENETRATION DETAILS



NZBC F5: All Construction work on the building shall be performed in a manner that avoids the likelihood of:
 (a) Objects falling onto people on or off the site,
 (b) Objects falling on property off the site,
 (c) Other hazards arising on the site affecting people off the site and other property, and
 (d) Unauthorised entry of children to hazards on the site

ALLOW FOR STEPS OR LANDSCAPING TO ALL EXTERNAL DOORS SO STEP FROM FFL NO GREATER THAN 190mm (150mm min)

Anti-slip: on all access routes both internal & external, provide Anti-slip surface complying with NZBC D1/AS Table 2 (except surfaces in side Entry Doors of housing maybe considered dry areas)

SITE SAFETY
 Allow for and maintain
 - 2m high galv chainlink netting fencing to street front
 - where side fencing not in place use same 2m high fencing
 - where water hazards are present use same 2m high fencing

Note: A BUILDING LOCATION CERTIFICATE (BLC) is REQUIRED 2 Working Days BEFORE the PrePour Inspection to verify the setout of the Finished Floor Level. The builder is required to tie back this FFL to a known LINZ Survey Mark (revised in January 2018). Please check with your surveyor that referenced Benchmark Datum heights are correct.

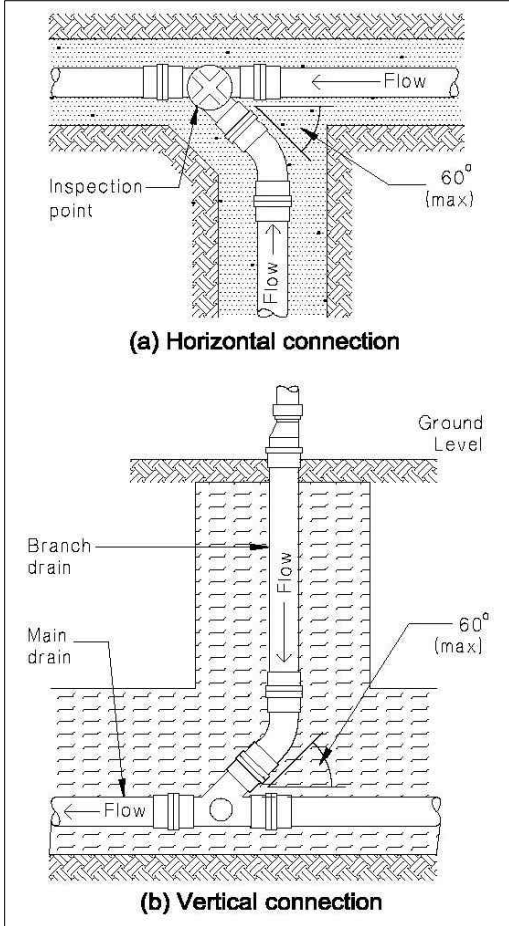
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 Plans and specifications APPROVED in accordance with the Building Act 2004, clause 49 and the Building Regulations 1992, Clause 3
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SANITARY FIXTURE	MIN PIPE DIA	MIN GRADE
Basin	32mm	1:20
Bath	40mm	1:40
Washing Machine	40mm	1:40
Kitchen Sink / DW	50mm	1:40
Laundry Sink & WM	40mm	1:30
Shower	40mm	1:40
WC	100mm	1:60
SEWER PIPE	100mm	1:60
STORMWATER PIPE	100mm	1:120

All pipes in Concrete to have Denso Tape (synthetic fabric based tape impregnated and coated with organic petroleum based compounds) applied

Pipes shall incorporate expansion joints in accordance with Chapter 8 of NZS7643

Hot water pipes to be sized according to NZBC G12 & NZS 4305:1196.
 Mains Pressure: 15mm dia allows 12m max pipe length. Pipe length beyond this must be lagged



FIXTURE	MIN FLOW RATE/TEMP	PIPE DIA
Bath	0.3 at 45°C	15mm
Sink	0.2 at 60°C (hot)	15mm
	0.2 (cold)	15mm
Laundry Tub	0.2 at 60°C (hot)	15mm
	0.2 (cold)	15mm
Basin	0.1 at 45°C	10mm
Shower	0.1 at 42°C	20mm

All drains that are to be laid at 1:120 to be laid with a verifiable leveling device

PIPE DIAMETER	MAXIMUM DISTANCE BETWEEN SUPPORTS (mm)	
	VERTICAL PIPE	GRADED PIPE
32 to 50	1000	500
65 to 100	1200	1000
Greater than 100	1800	1200

Main Vent (MV) to terminate either:
 - 3.0m above ground level
 - 600mm above windows / openings
 - 150mm above roof
 - 600mm above eaves / parapets

VENT PIPES:
 Discharge Pipes upto 40mm dia = 32mm Vent Pipe
 Discharge Pipes over 40mm dia = 40mm Vent Pipe
 Main Drain Vent Pipe = 80mm Vent Pipe

Relief GT - top of GT to be 150mm below overflow level of lowest sanitary fixture.
 FGL around Relief GT to be no higher than 30.18 (30.25 if paved)

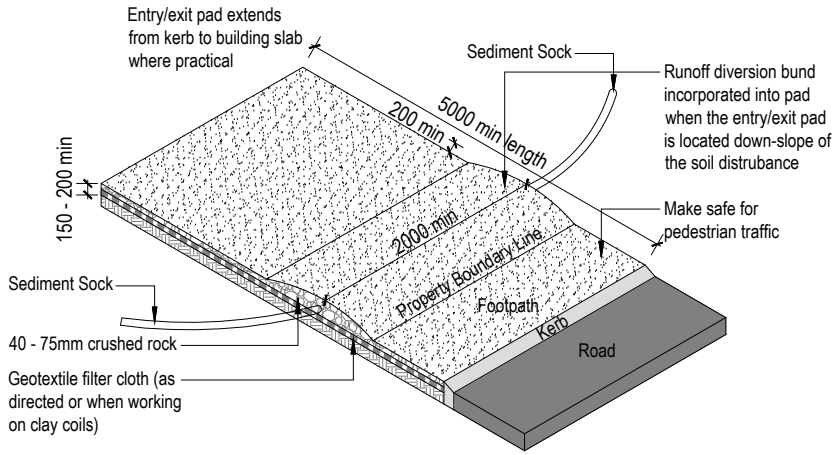
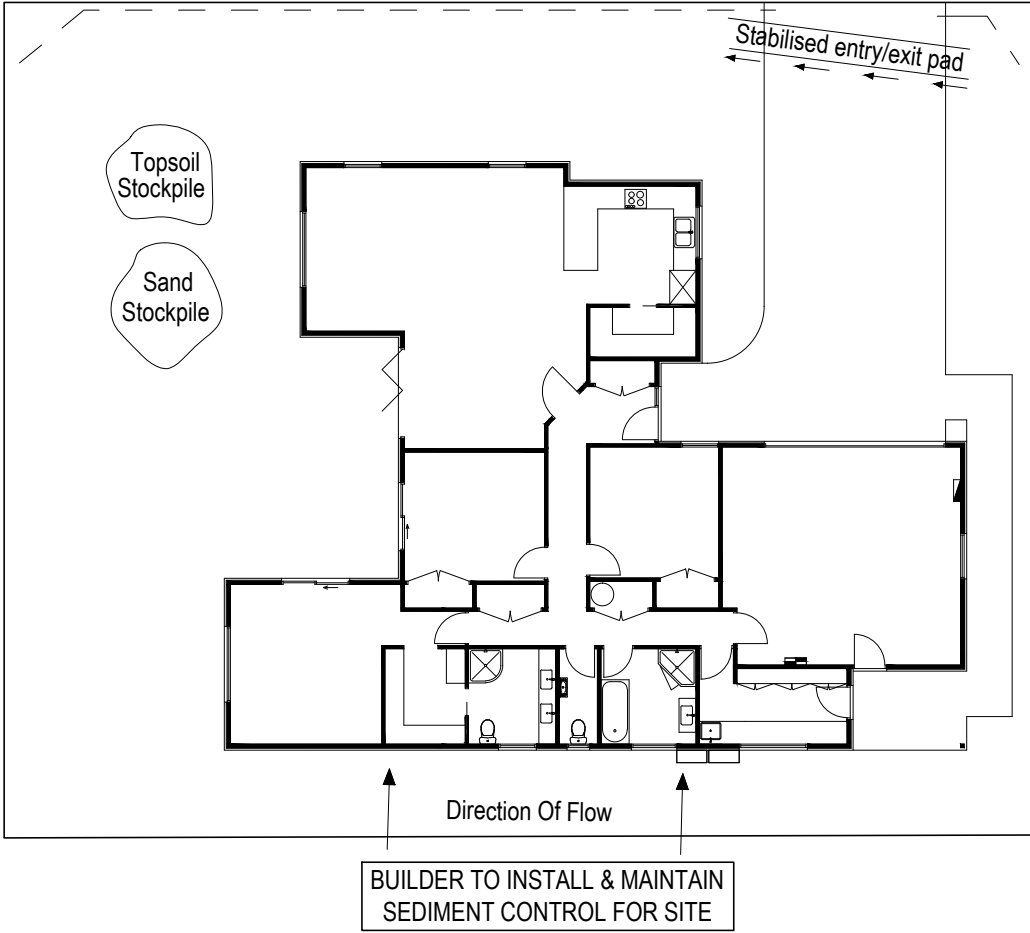
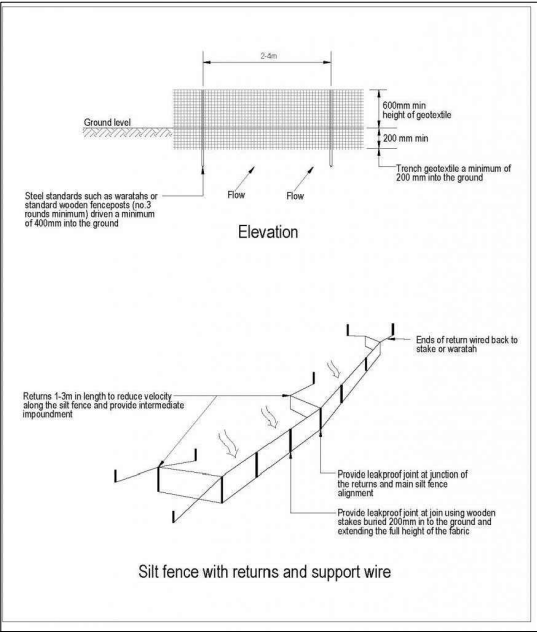
30.43 = FFL
 - 0.15 = Shower Recess to Top GT
 - 0.10 = Top GT to FGL
 30.18 = FGL

DPs:
 - 5 x DPs
 - Total Roof Area = 254.3m²

a . s . c . a . d . limited ascadltd@snap.net.nz 0272 838 775	job title: BADDOCK - LOT 115	drawing title: SERVICES PLAN 29/08/23 REV A - Levels updated 11/09/23 REV B - Notes updated 13/09/23 REV C - Notes updated 09/02/24 REV E - RWH added	legal description: Lot 115 Townsend RANGIORA	WORKING DRAWINGS SUBJECT TO COUNCIL APPROVAL ALL MEASUREMENTS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK DO NOT SCALE FROM DRAWINGS UNDER ANY CIRCUMSTANCES	scale: 1:100 Job No.: -	page: 02e of: 25 DATE: 18/07/23
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STABILISED ENTRY/EXIT PAD
 Remove Stabilised Entry/Exit Pad upon completion of the formed driveway

- Notes:
1. All erosion and sediment control structures to be inspected each working day and maintained in good working order
 2. All ground cover vegetation outside the immediate building area to be preserved during the building phase
 3. All erosion and sediment control measures to be installed prior to commencement of major earthworks
 4. Stockpiles of clay materials to be covered with impervious sheet
 5. Roof water downpipes to be connected to the permanent underground stormwater system as soon as practical after roof is laid

Grassed Kerb to street - where possible
 make sure grass remains intact or
 replace as soon as possible

Temperary Sediment Control Fence to Street Boundary

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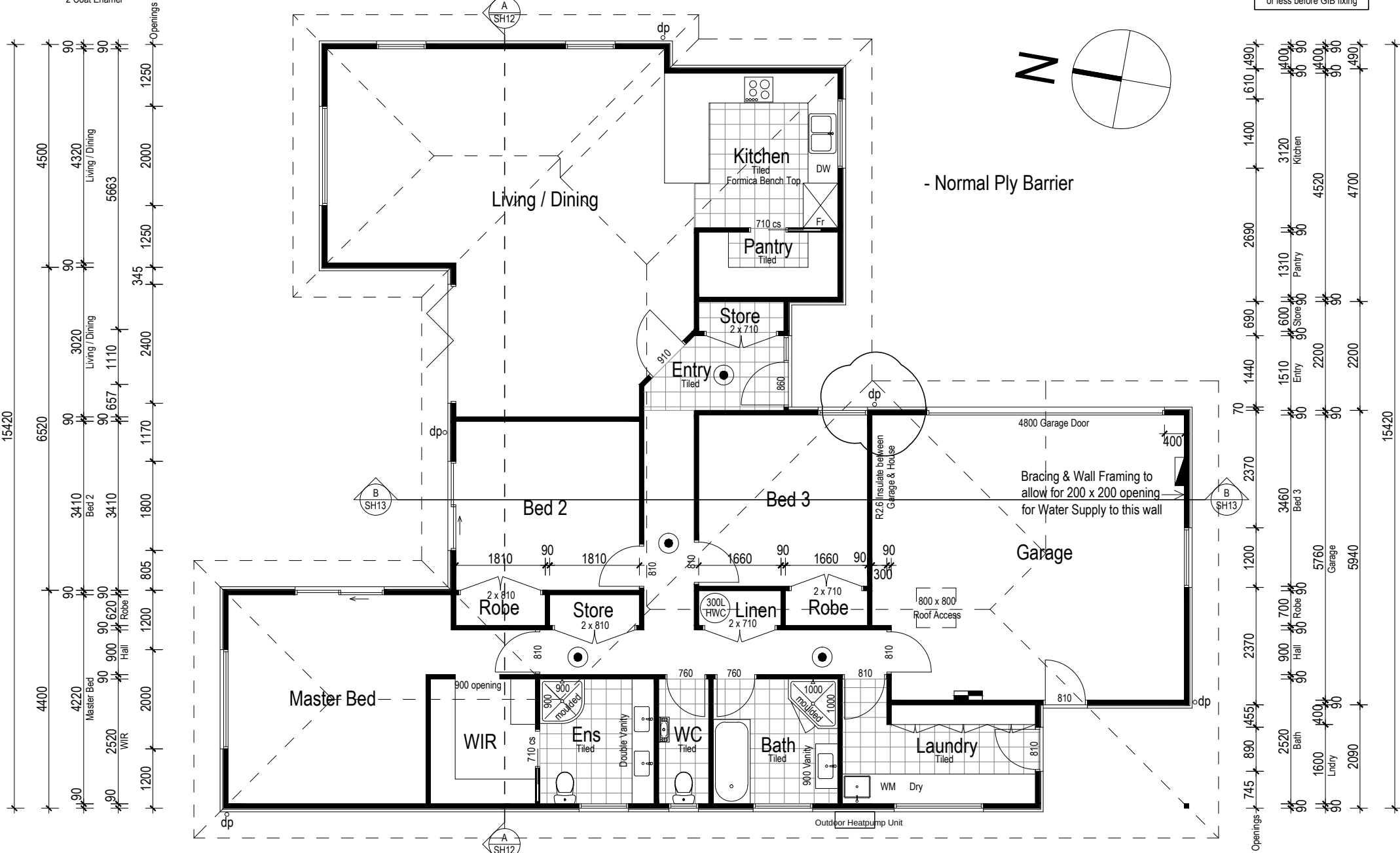
a . s . c . a . d . limited ascadltd@snap.net.nz 0272 838 775	job title: BADDOCK - LOT 115	drawing title: SEDIMENT CONTROL PLAN	legal description: Lot 115 Townsend RANGIORA	WORKING DRAWINGS SUBJECT TO COUNCIL APPROVAL ALL MEASUREMENTS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK DO NOT SCALE FROM DRAWINGS UNDER ANY CIRCUMSTANCES	scale: 1:200 Job No.: -	page: 04 of: 25 DATE: 18/07/23
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- Type 1 Smoke alarm to comply with NZBC clause F7, with Hush & Test facilities
- All Lintels SG8 unless otherwise stated
- All downlights to be IC Rated throughout
- GIB to all wet wall areas with 2 Coat Enamel

All Mech vents to terminate out soffit as per manufactures specifications

Mechanical Vents:
 Bath = 25l/s min
 Kitchen = 50l/s min

Timber Wall Framing to have a Moisture Content of 18% or less before GIB fixing



SINGLE OR TOP STOREY
 SG8 STUDS TO LOAD BEARING WALLS
 INTERNAL WALLS
 Light & Heavy Roof
 Wind Zone = All

Loaded Dimension of Wall	Stud Size for Max Height of:			
	3.0m @ 600crs	3.6m @ 300crs	4.2m @ 400crs	4.8m @ 400crs
2.0	90 x 45	90 x 45	90 x 90	140 x 45
4.0	90 x 45	90 x 45	90 x 90	140 x 45
6.0	90 x 45	90 x 45	90 x 90	140 x 45

Note: Dwangs @ 800crs max

SINGLE OR TOP STOREY
 SG8 STUDS TO LOAD BEARING WALLS
 Light & Heavy Roof
 Wind Zone = High

Loaded Dimension of Wall	Stud Size for Max Height of:					
	2.4m @ 600crs	2.7m @ 400crs	3.0m @ 300crs	3.6m @ 300crs	4.2m @ 300crs	4.8m @ 400crs
2.0	90 x 45	90 x 45	90 x 45	90 x 90	140 x 45	140 x 90
4.0	90 x 45	90 x 45	90 x 45	90 x 90	140 x 45	140 x 90
6.0	90 x 45	90 x 45	90 x 45	90 x 90	140 x 45	140 x 90

Note: Dwangs @ 800crs max

199.5m² OVER FOUNDATION
 204.9m² OVER CLADDING

a . s . c . a . d .

limited

ascadltd@snap.net.nz

0272 838 775

job title:

BADDOCK - LOT 115

drawing title:

FLOOR PLAN

11/09/23 REV B - Notes updated

13/09/23 REV C - Notes updated

09/02/24 REV E - RWH added

legal description:

Lot 115
Townsend
RANGIORA

WORKING DRAWINGS

SUBJECT TO COUNCIL APPROVAL

ALL MEASUREMENTS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK

DO NOT SCALE FROM DRAWINGS UNDER ANY CIRCUMSTANCES

scale:

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Job No.:

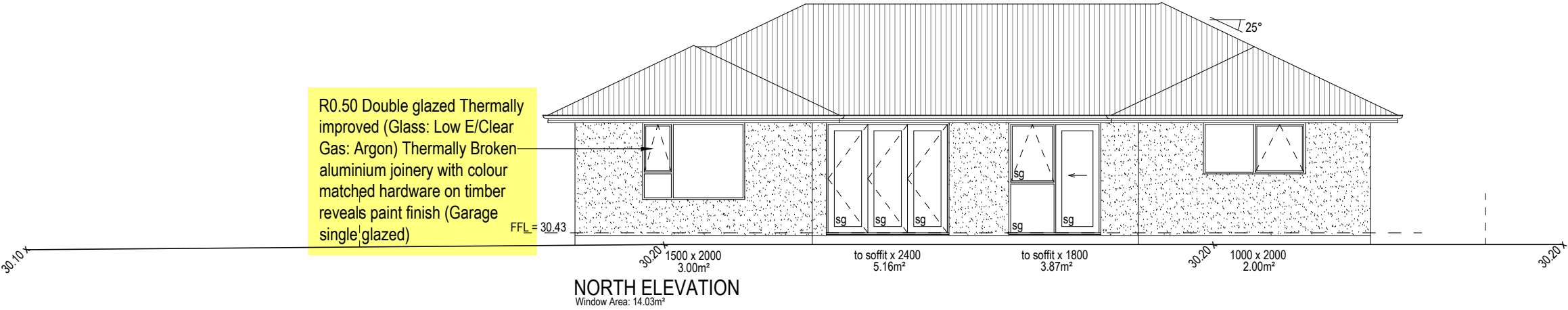
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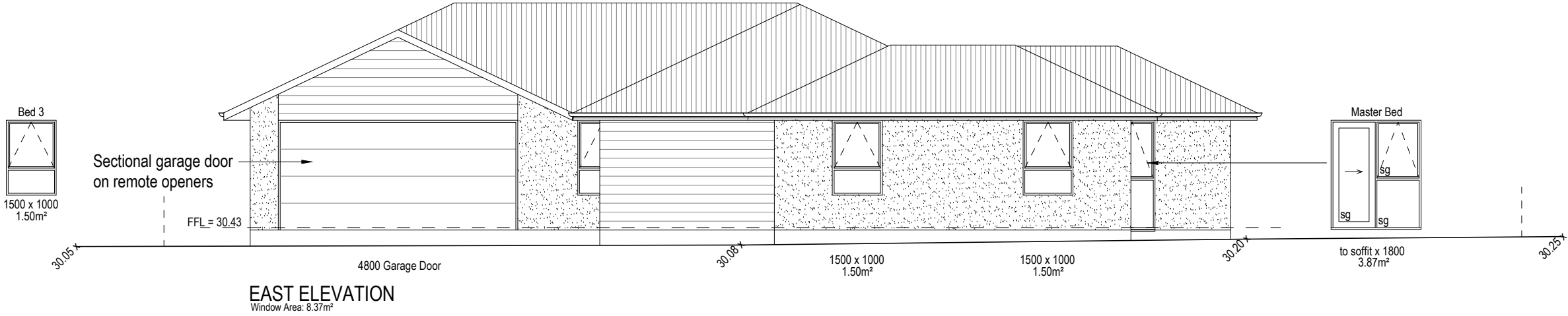
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of: 25

DATE: 18/07/23



- "A Grade" safety glass to NZS4223 - Part 1 - 4 (sg)
- WANZ support bar to all doors & windows



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job title:
 BADDOCK - LOT 115

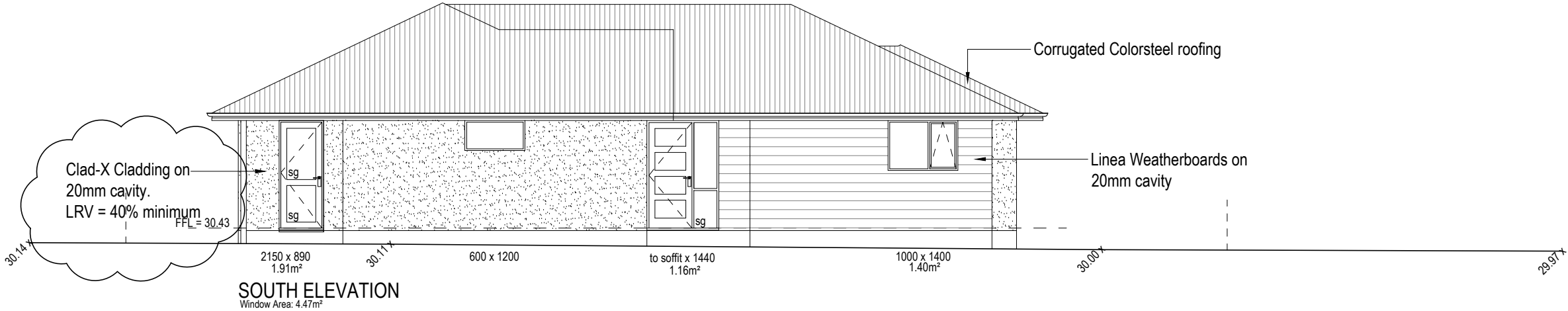
drawing title:
 ELEVATIONS
 29/08/23 REV A - Levels updated
 11/09/23 REV B - Notes updated

legal description:
 Lot 115
 Townsend
 RANGIORA

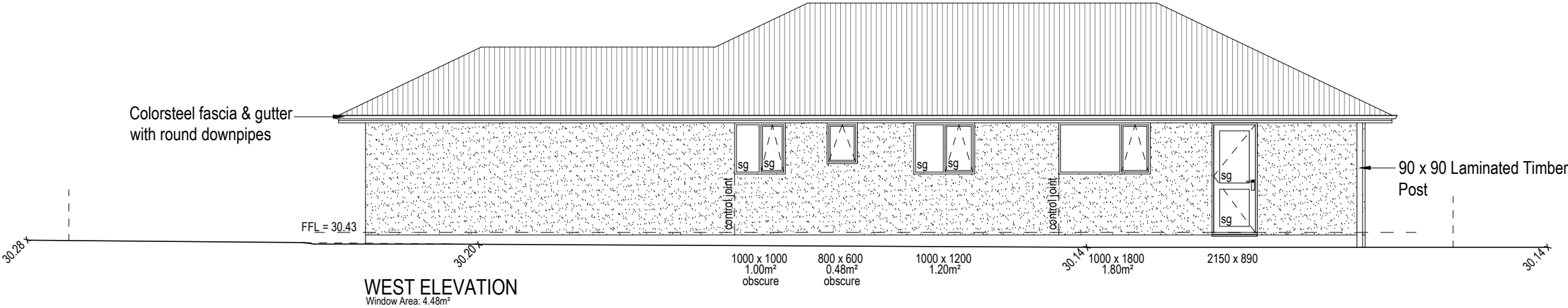
WORKING DRAWINGS
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 ON SITE BY CONTRACTOR PRIOR TO
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scale:
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 Job No.:
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page:
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 of: 25
 DATE: 18/07/23



- "A Grade" safety glass to NZS4223 - Part 1 - 4 (sg)
- WANZ support bar to all doors & windows



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 limited
 ascadltd@snap.net.nz
 0272 838 775

job title:
 BADDOCK - LOT 115

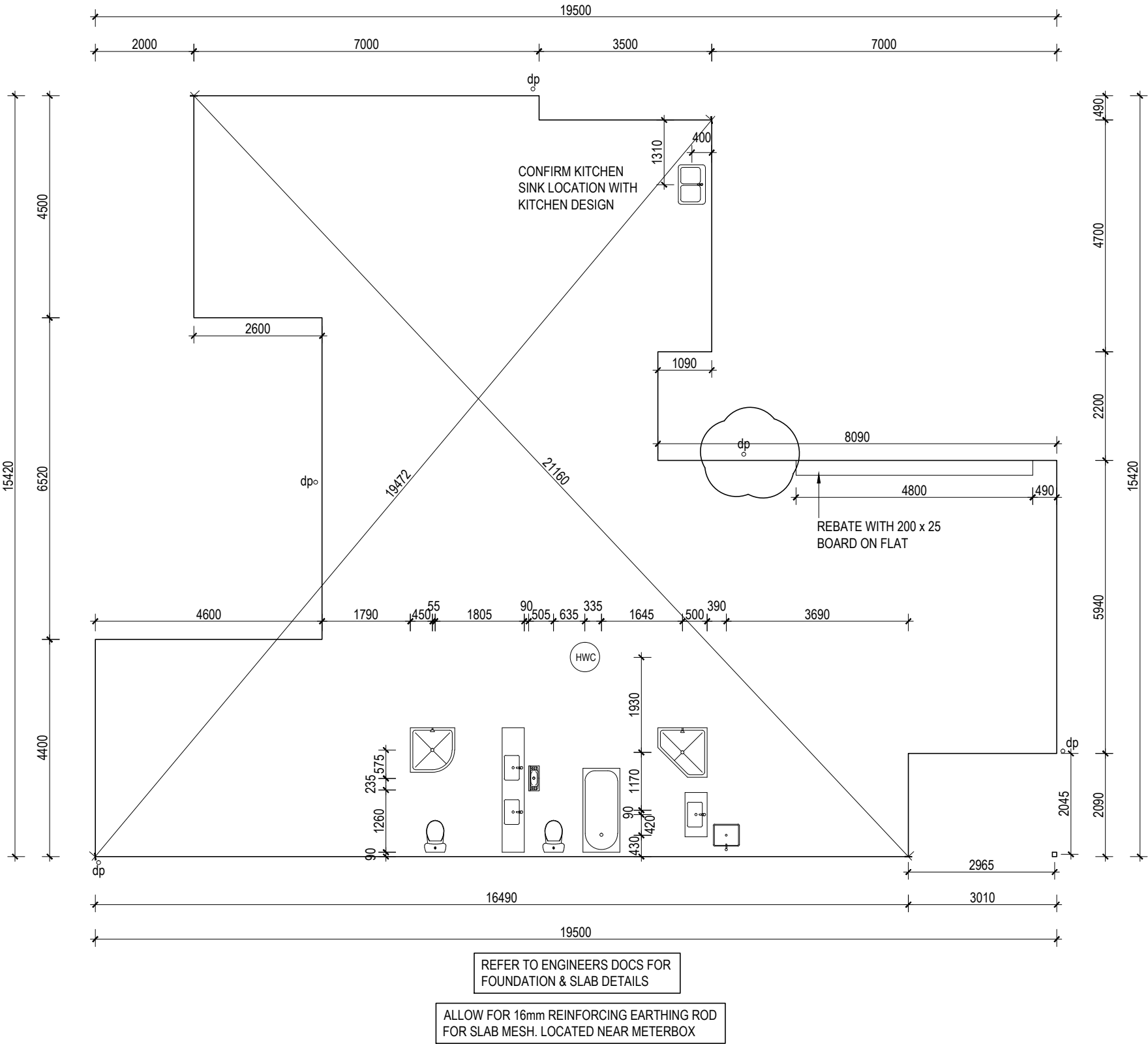
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 ELEVATIONS
 29/08/23 REV A - Levels updated
 11/09/23 REV B - Notes updated

legal description:
 Lot 115
 Townsend
 RANGIORA

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scale:
 1:100
 Job No.:
 -

page:
 07b
 of: 25
 DATE: 18/07/23



WAIMAKARIRI DISTRICT COUNCIL
 AMENDED Plan and/or Specifications APPROVED
 BC230758.02 27/02/2024 brennao
 Rain water head added and bracing updated

a.s.c.a.d.
 limited
 ascadltd@snap.net.nz
 0272 838 775

job title:
 BADDOCK - LOT 115

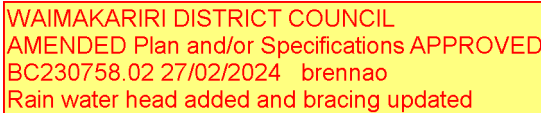
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 FOUNDATION PLAN
 11/09/23 REV B - Notes updated
 09/02/24 REV E - RWH added

legal description:
 Lot 115
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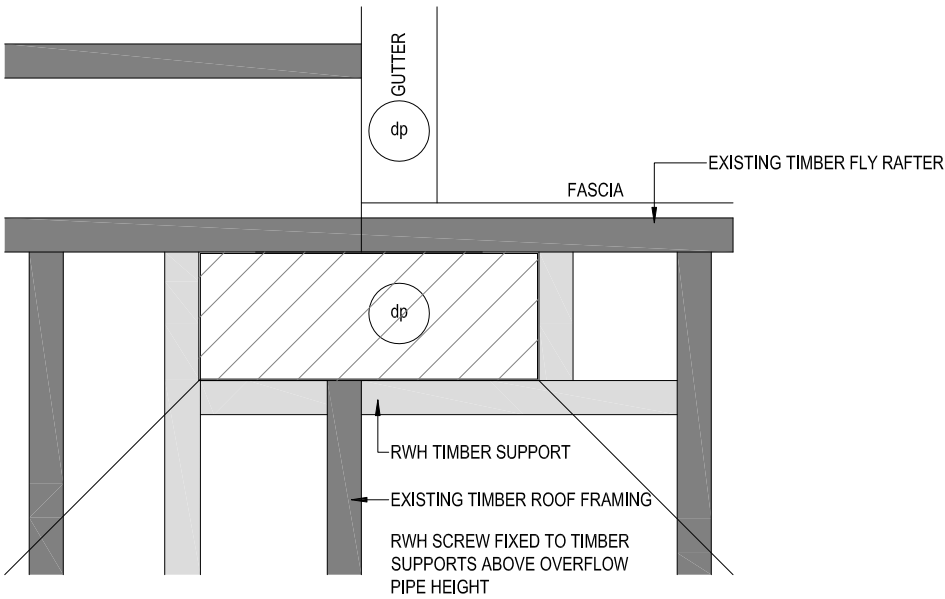
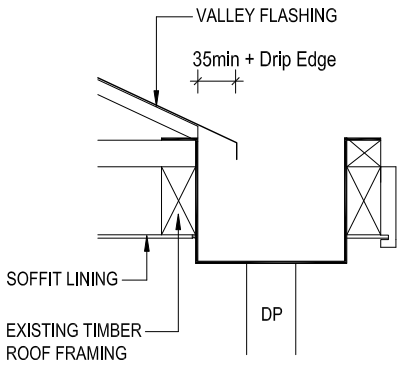
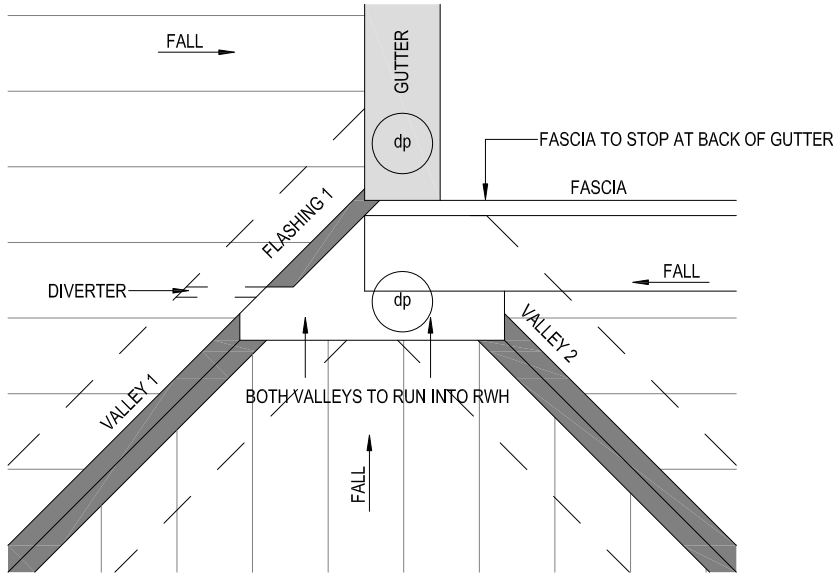
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ALLOW FOR EXPANSION JOINTS
 TO GUTTERS - DARK COLOURS = 9.0m
 LIGHT COLOURS = 12.0m

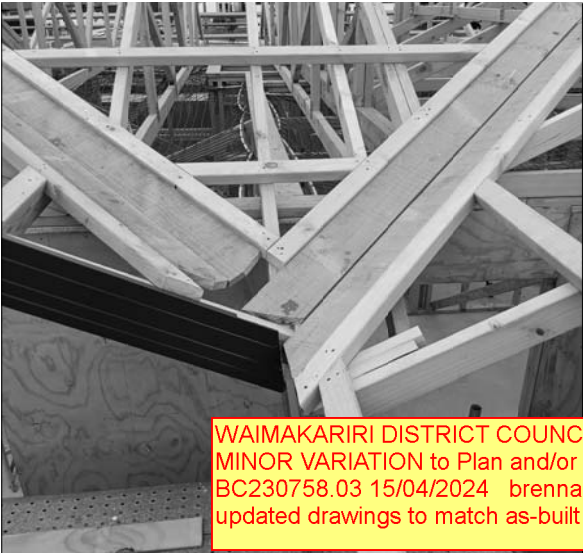
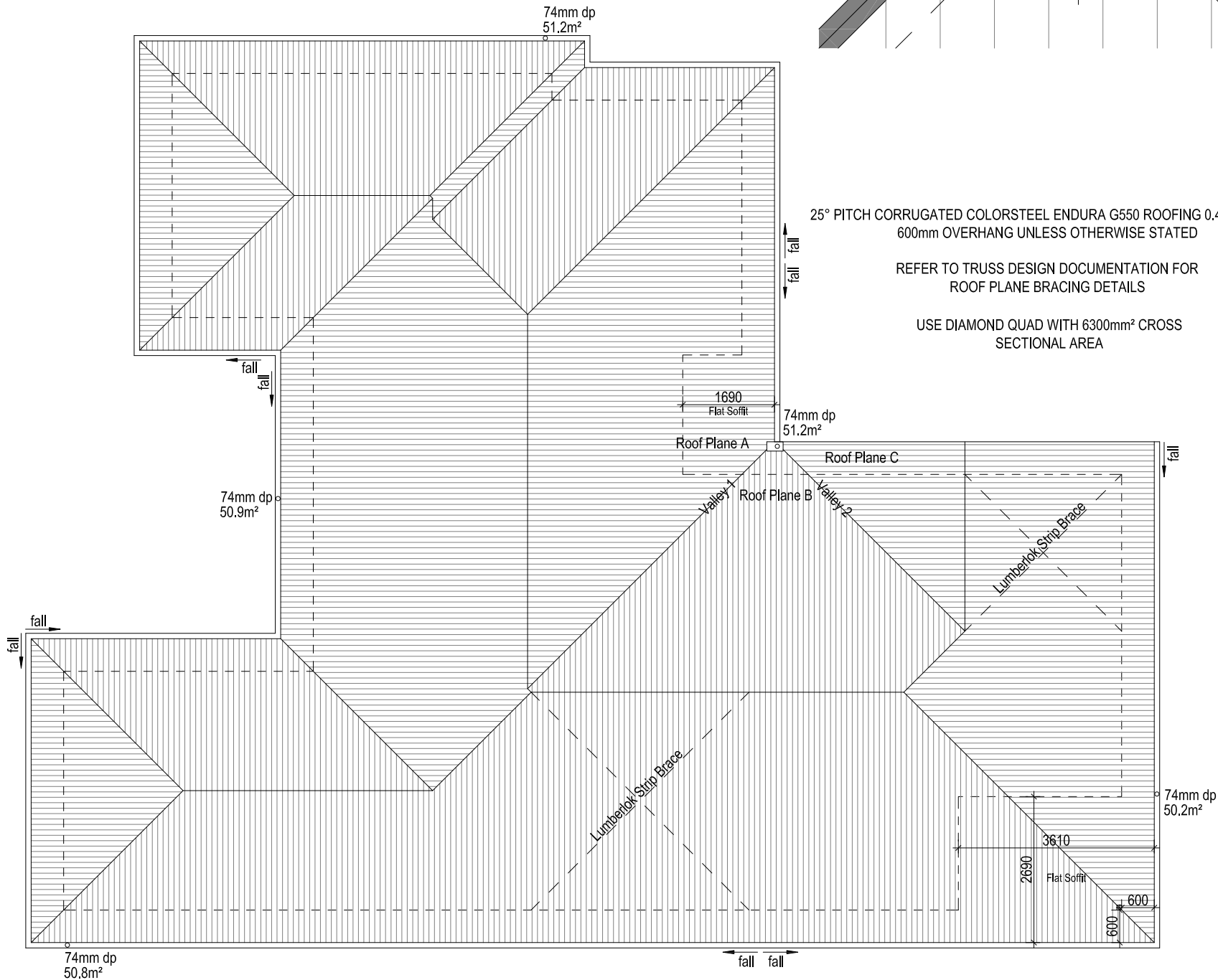
USE 90 x 45 @ 900crs ON EDGE
 HORIZONTALLY SUPPORTING SOFFIT
 LININGS TO SOFFITS OVER 750mm WIDE



25° PITCH CORRUGATED COLORSTEEL ENDURA G550 ROOFING 0.40 BMT MIN
 600mm OVERHANG UNLESS OTHERWISE STATED

REFER TO TRUSS DESIGN DOCUMENTATION FOR
 ROOF PLANE BRACING DETAILS

USE DIAMOND QUAD WITH 6300mm² CROSS
 SECTIONAL AREA



WAIMAKARIRI DISTRICT COUNCIL
 MINOR VARIATION to Plan and/or Specifications APPROVED
 BC230758.03 15/04/2024 brennao
 updated drawings to match as-built RWH

a.s.c.a.d.
 limited
 ascadltd@snap.net.nz
 0272 838 775

job title:
 BADDOCK - LOT 115

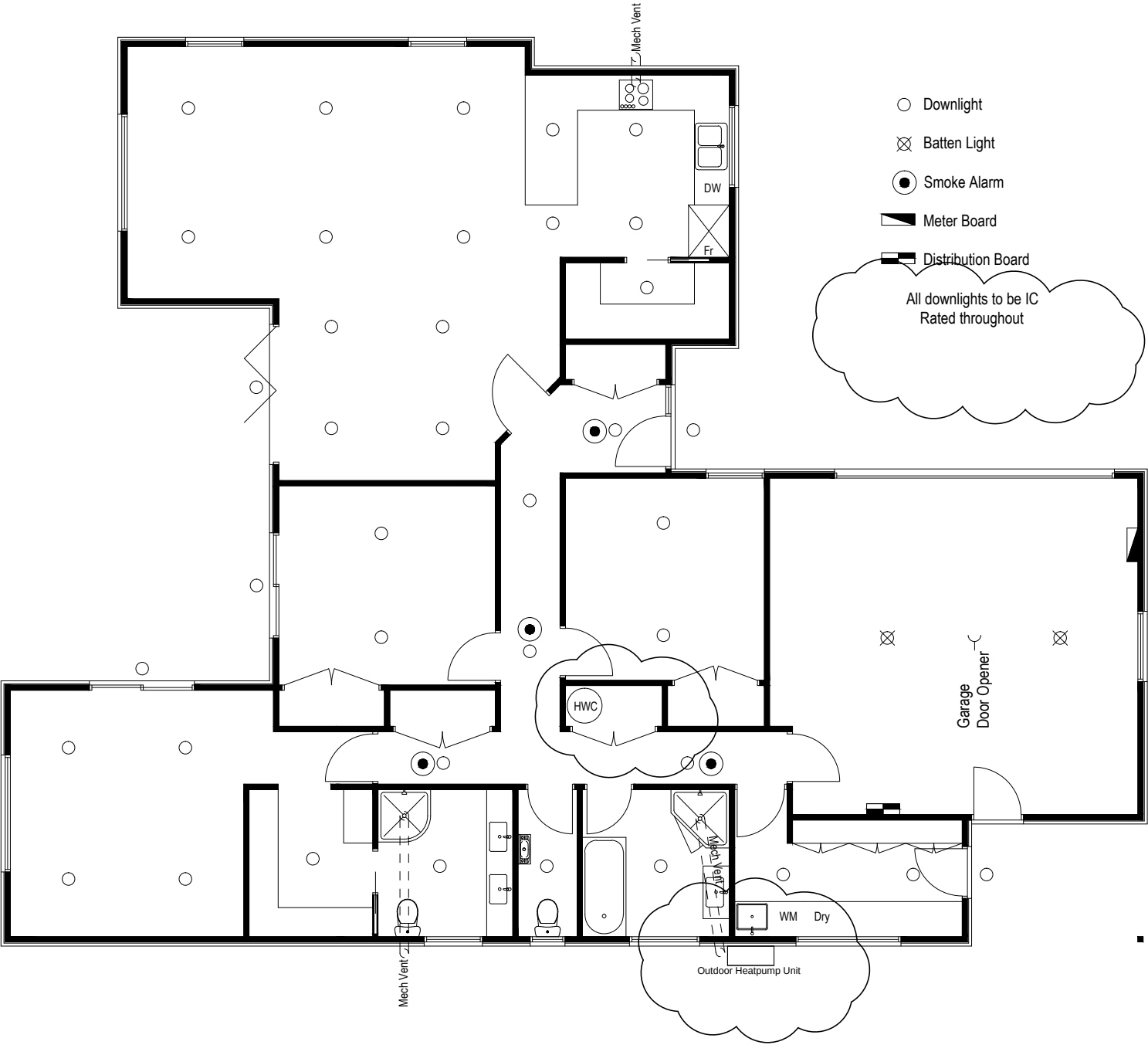
drawing title:
 ROOF PLAN
 11/09/23 REV B - Notes updated
 09/02/24 REV E - RWH added
 21/02/24 REV F - Details added
 25/03/24 REV G - Details updated

legal description:
 Lot 115
 Townsend
 RANGIORA

WORKING DRAWINGS
 SUBJECT TO COUNCIL APPROVAL
 ALL MEASUREMENTS TO BE CONFIRMED
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 DO NOT SCALE FROM DRAWINGS UNDER ANY
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scale:
 1:100
 Job No.:
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WAIMAKARIRI DISTRICT COUNCIL
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 BC230578 14/09/2023 brennao

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 ascadltd@snap.net.nz
 0272 838 775

job title:
 BADDOCK - LOT 115

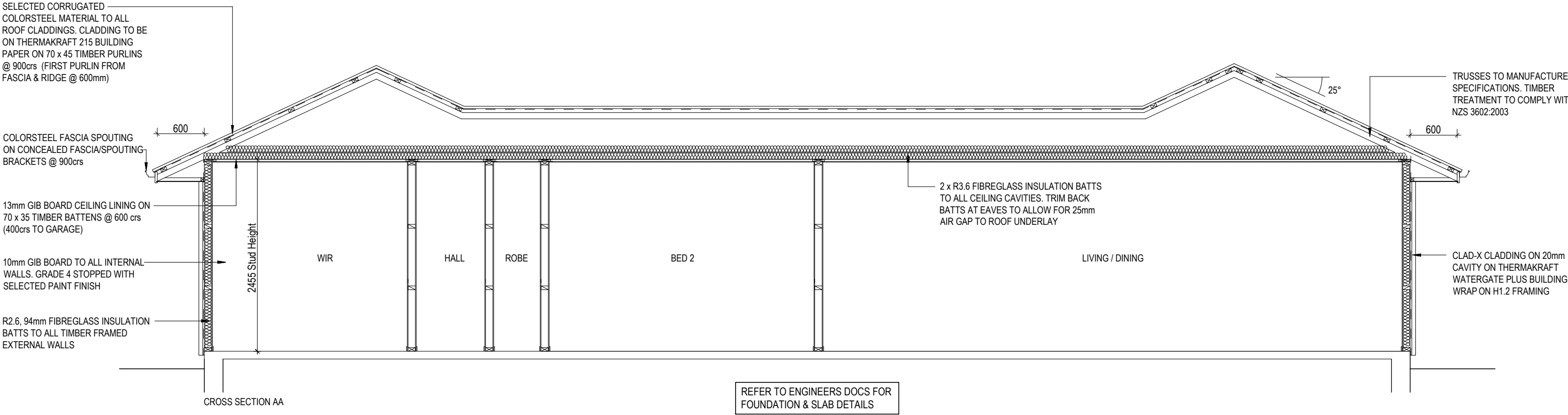
drawing title:
 ELECTRICAL PLAN
 13/09/23 REV C - Notes updated

legal description:
 Lot 115
 Townsend
 RANGIORA

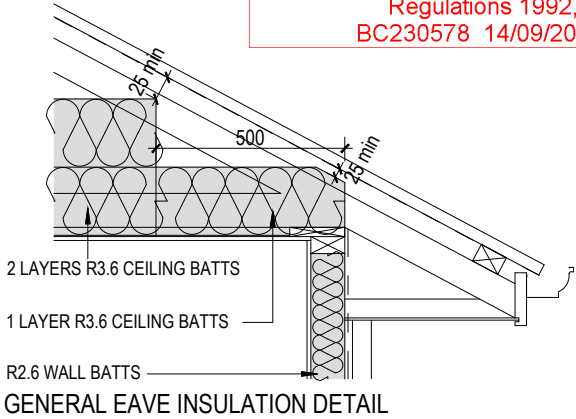
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SPECIFIC SCHEDULE OF TIMBER TREATMENT

ELEMENT	SPECIES	TREATMENT	ELEMENT
- EXTERIOR WALL FRAMING (REFER TO NZS3602:2003 FOR CLARIFICATION)	RADIATA PINE	H1.2	- ALL TIMBER USED IS TO BE TREATED AS REQUIRED BY NZS3602:2003, THIS TABLE IS INTENDED AS A SUMMARY OF THESE REQUIREMENTS ONLY. - TREATMENT LEVELS SHOWN ARE THE MINIMUM LEVEL REQUIRED. HIGHER TREATMENT LEVELS MAY BE USED IF APPROPRIATE. TIMBER TYPE: EXTERIOR & LOAD BEARING FRAMING = SG 8 INTERIOR NON LOAD BEARING FRAMING = SG8 LINTELS = SG 8 TRUSSES = SG 8
- INTERIOR WALL FRAMING	RADIATA PINE OR DOUGLAS FIR	H1.2	
- WALL CAVITY BATTENS	RADIATA PINE	H3.1	
- ALUMINIUM WINDOW REVEALS	RADIATA PINE	H3.1	
- EXPOSED POSTS & BEAMS	RADIATA PINE	H3.2	
- PURLINS ON TRUSSES	RADIATA PINE	H1.2	
- BALCONY, PARAPET, INTERNAL GUTTER FRAMING	RADIATA PINE	H3.1	
- FRAMING SUPPORTING SHELF ANGLES	RADIATA PINE	H3.1	
- ROOF FRAMING, TRUSSES Above 10.5°	RADIATA PINE OR DOUGLAS FIR	H1.2	
- ROOF FRAMING, TRUSSES Below 10.5°, Skillion Roofs, Coved Roofs	RADIATA PINE OR DOUGLAS FIR	H1.2	
- ROOF FRAMING, TRUSSES Exposed external rafters	RADIATA PINE OR DOUGLAS FIR	H3.2	

STEEL PROTECTION FOR FIXINGS & FASTENINGS - ZONE B & C

FIXING FASTENING	ENVIRONMENT	MATERIAL
Nail Plates	Closed & Roof Space	Continuously coated galv steel
Wire Dogs & Bolts	Closed & Roof Space	Hot-dipped galv steel
All strutral fixings	Sheltered	Hot-dipped galv steel
	Exposed	Type 304 stainless steel
Nail/Screw for bracing		Galv steel
Nail/Screw for non-structural cladding		Galv steel
Nail/Screw for framing	Closed & Roof Space	Mild steel
	Sheltered	Galv steel
	Exposed	Galv steel

a . s . c . a . d .

limited

ascadltd@snap.net.nz

0272 838 775

job title:

BADDOCK - LOT 115

drawing title:

SECTION AA

legal description:

Lot 115
 Townsend
 RANGIORA

WORKING DRAWINGS

SUBJECT TO COUNCIL APPROVAL

ALL MEASUREMENTS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK

DO NOT SCALE FROM DRAWINGS UNDER ANY CIRCUMSTANCES

scale:

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Job No.:

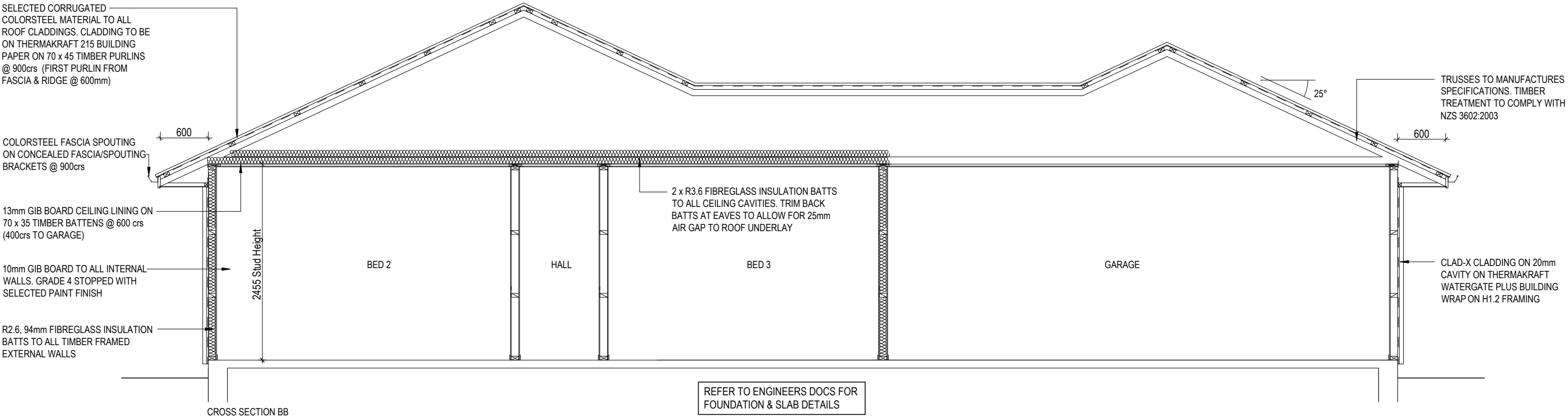
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12

of: 25

DATE: 18/07/23



WAIMAKARIRI DISTRICT COUNCIL
 Plans and specifications APPROVED in accordance
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 Regulations 1992, Clause 3
 BC230578 14/09/2023 brennao

a . s . c . a . d .
 limited
 ascadltd@snap.net.nz
 0272 838 775

job title:
 BADDOCK - LOT 115

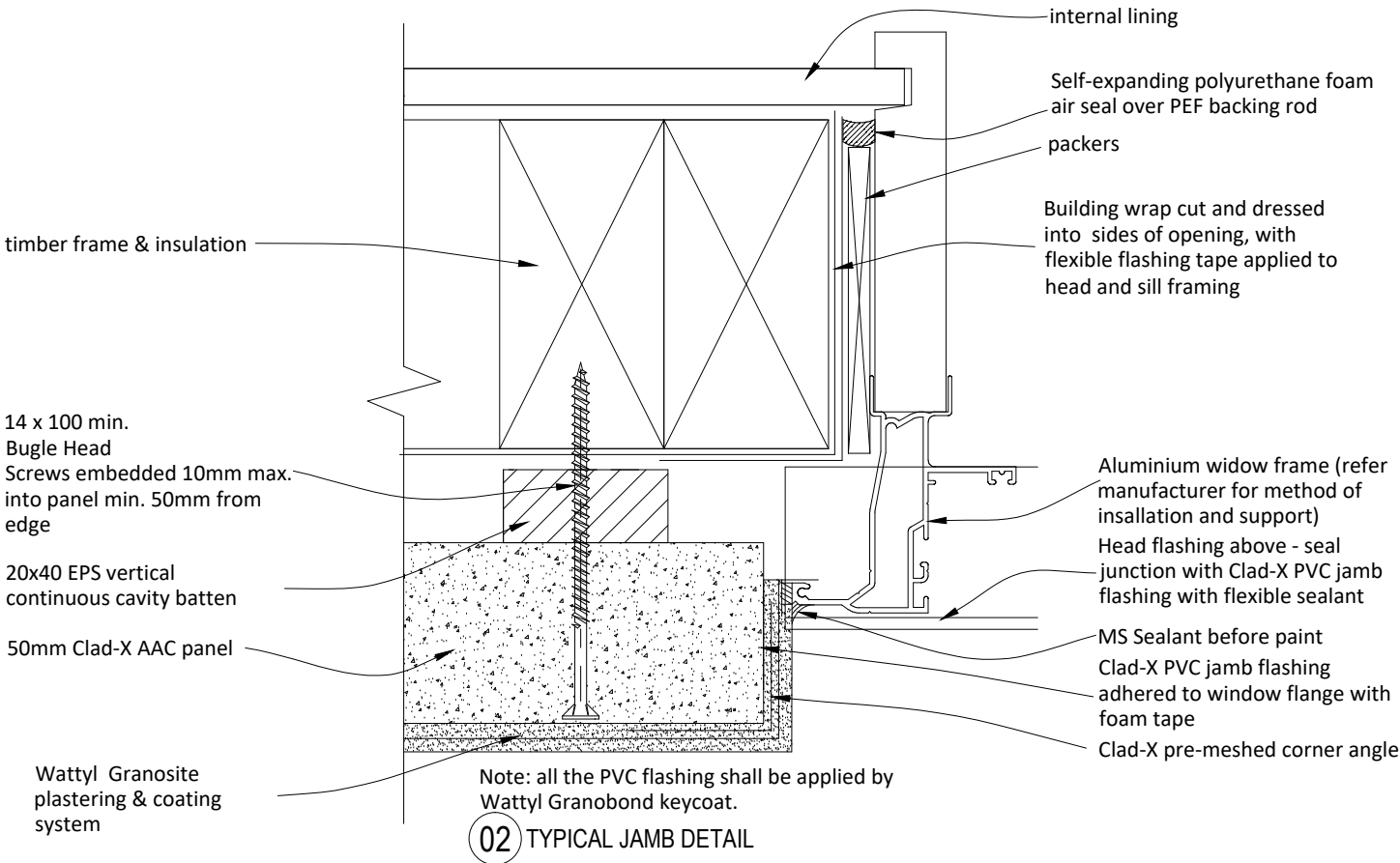
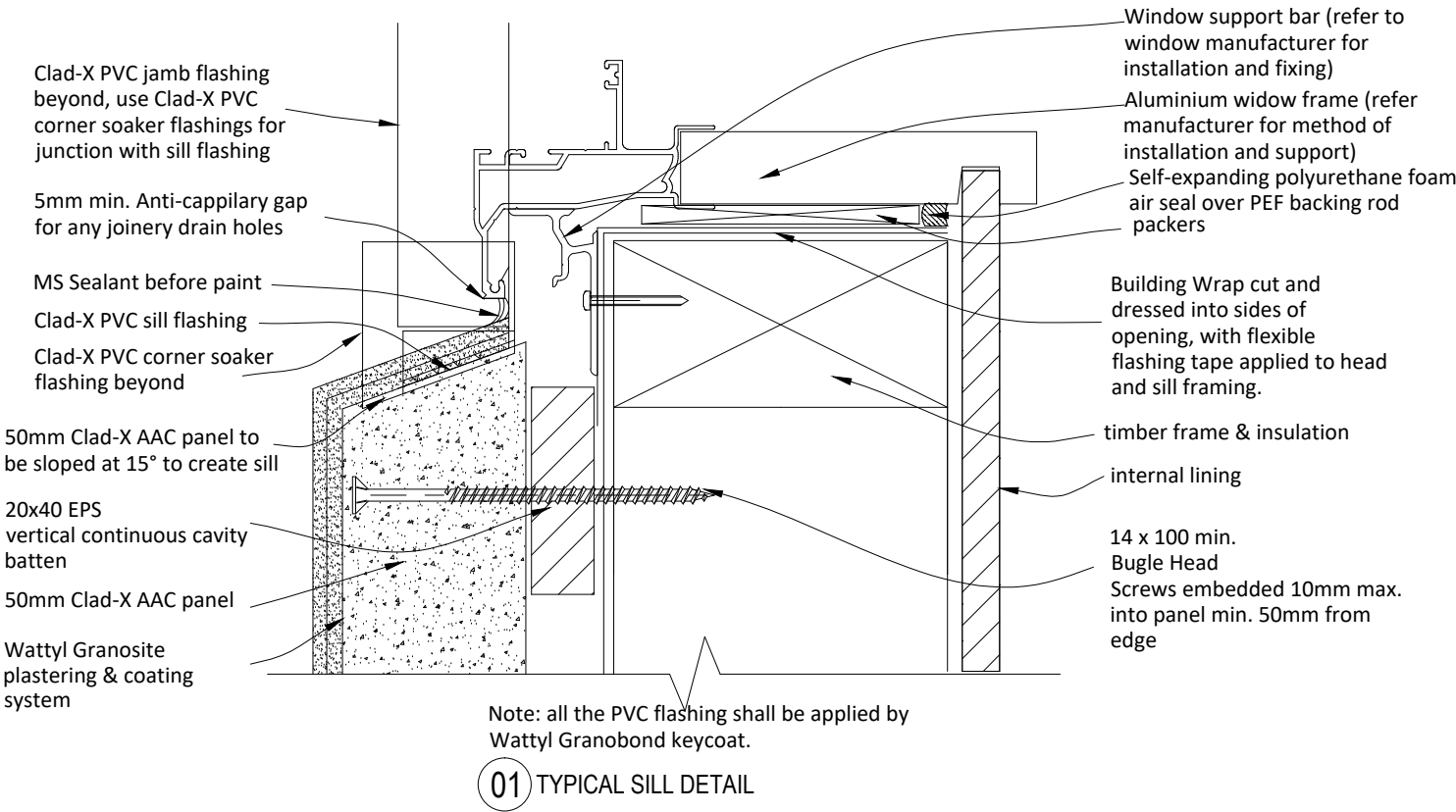
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 SECTION BB
 11/09/23 REV B - Details removed

legal description:
 Lot 115
 Townsend
 RANGIORA

WORKING DRAWINGS
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 BC230578 14/09/2023 brennao

a.s.c.a.d.
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 ascadltd@snap.net.nz
 0272 838 775

job title:
 BADDOCK - LOT 115

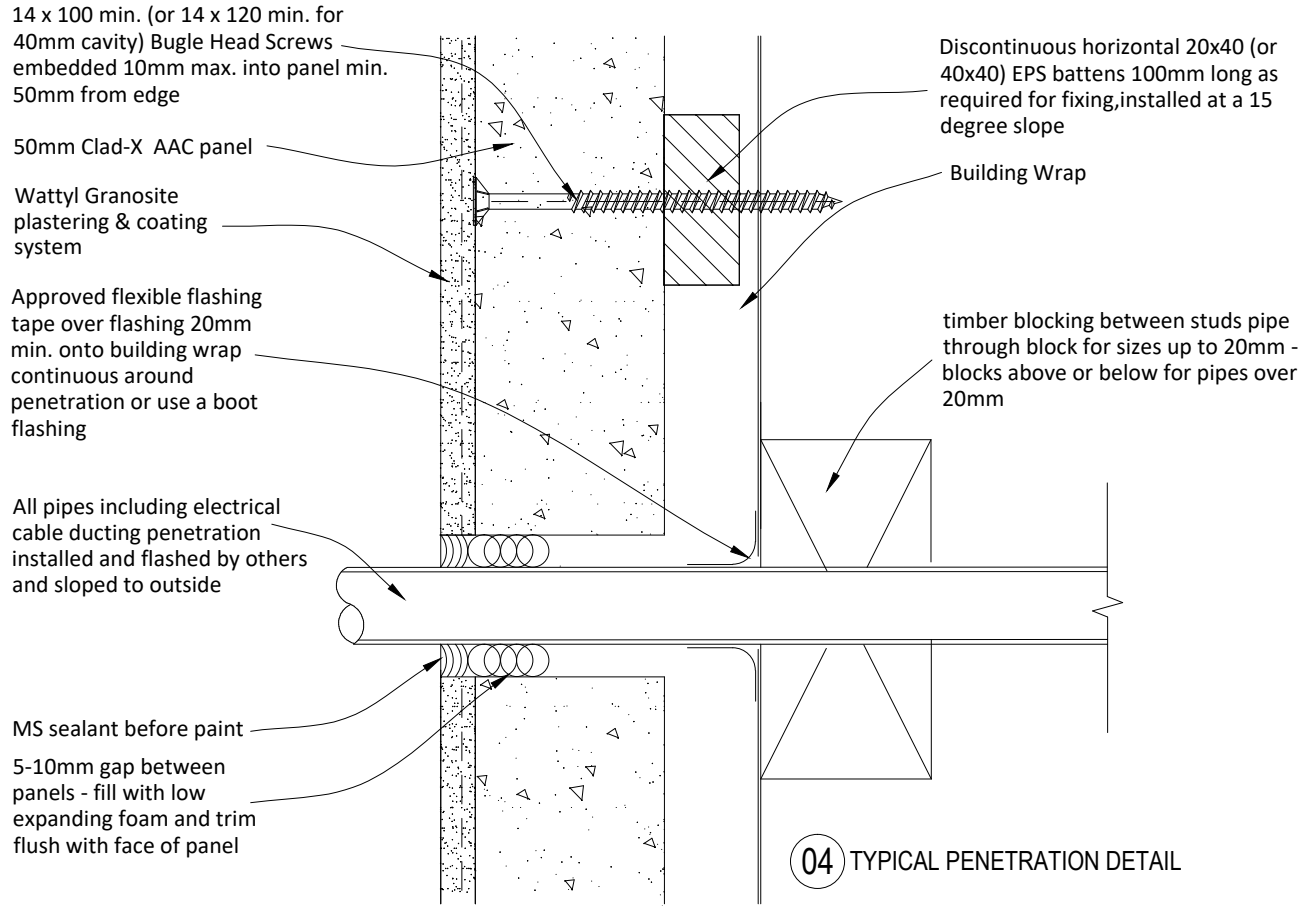
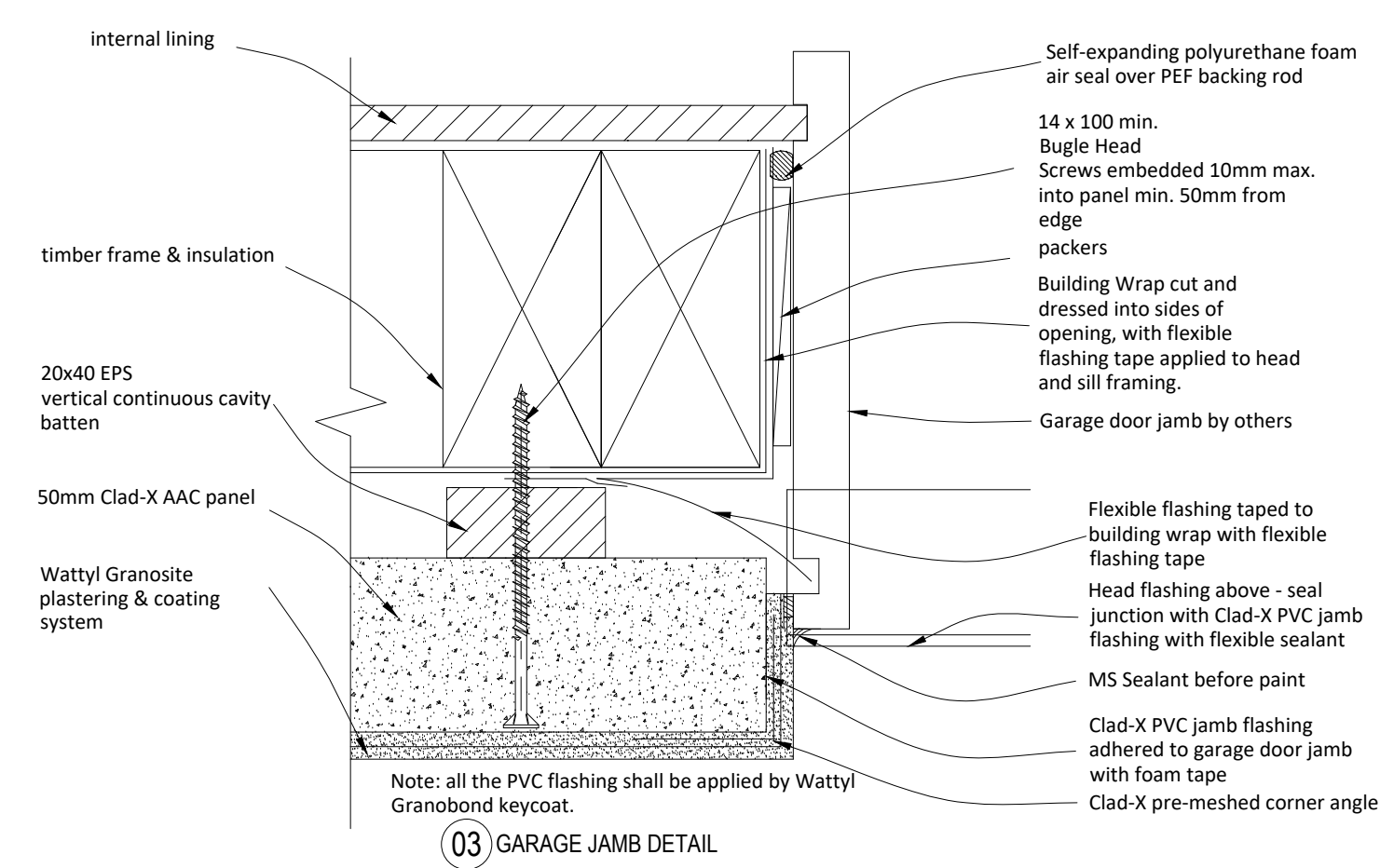
drawing title:
 DETAILS

legal description:
 Lot 115
 Townsend
 RANGIORA

WORKING DRAWINGS
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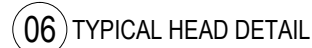
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 Job No.:
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 DATE: 18/07/23

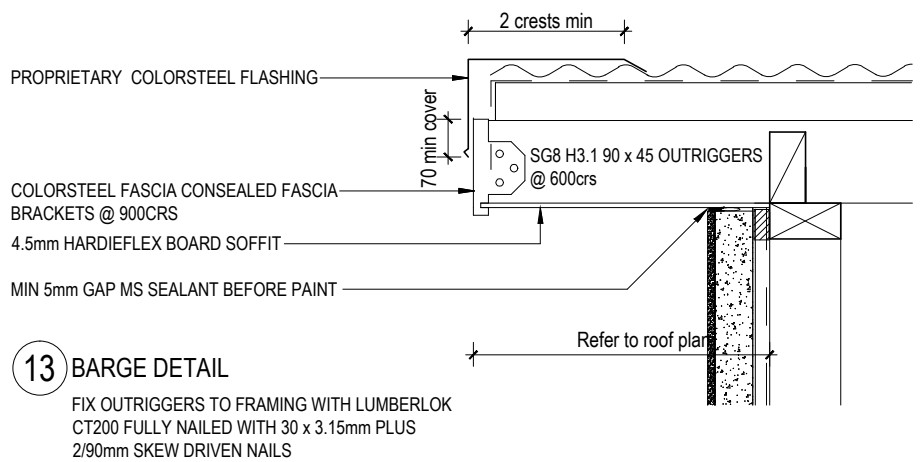
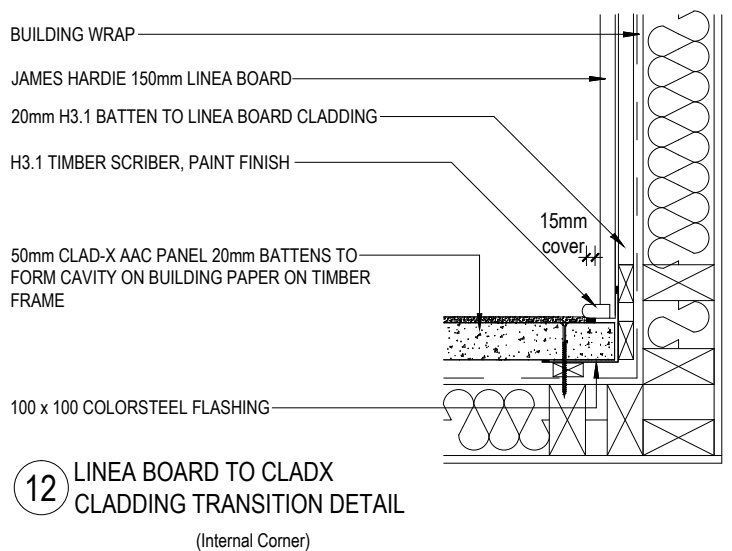
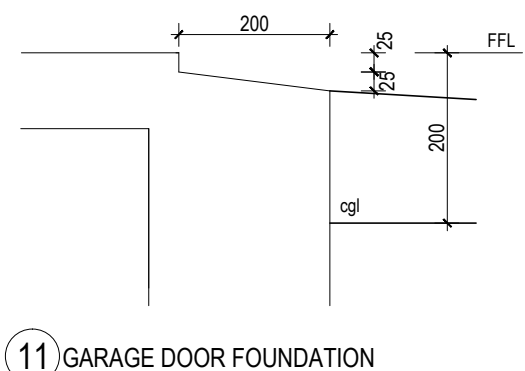
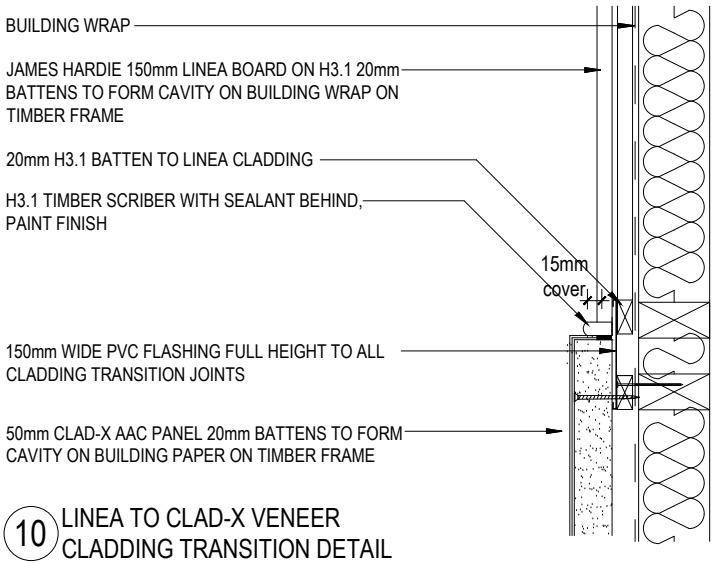
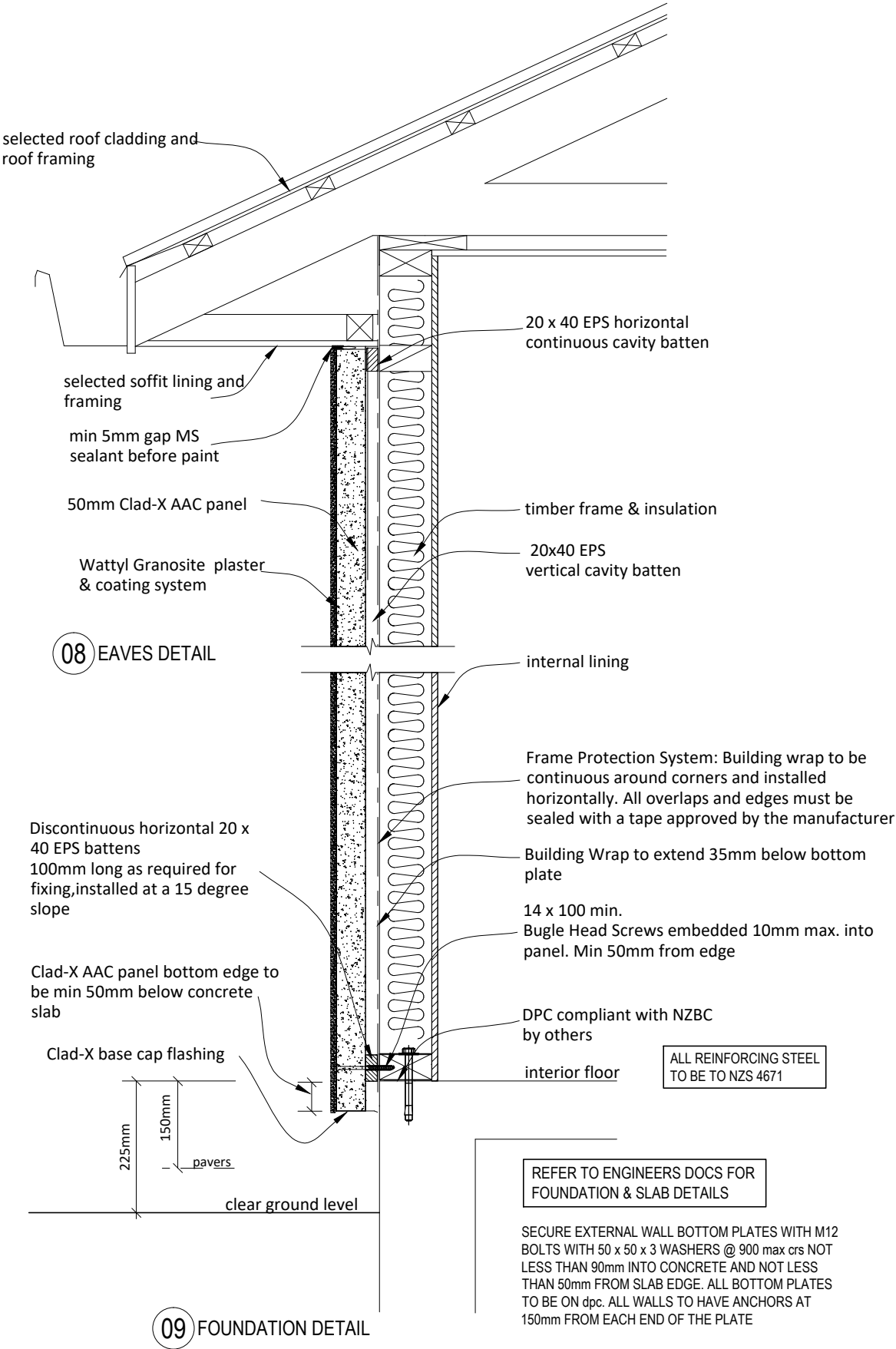


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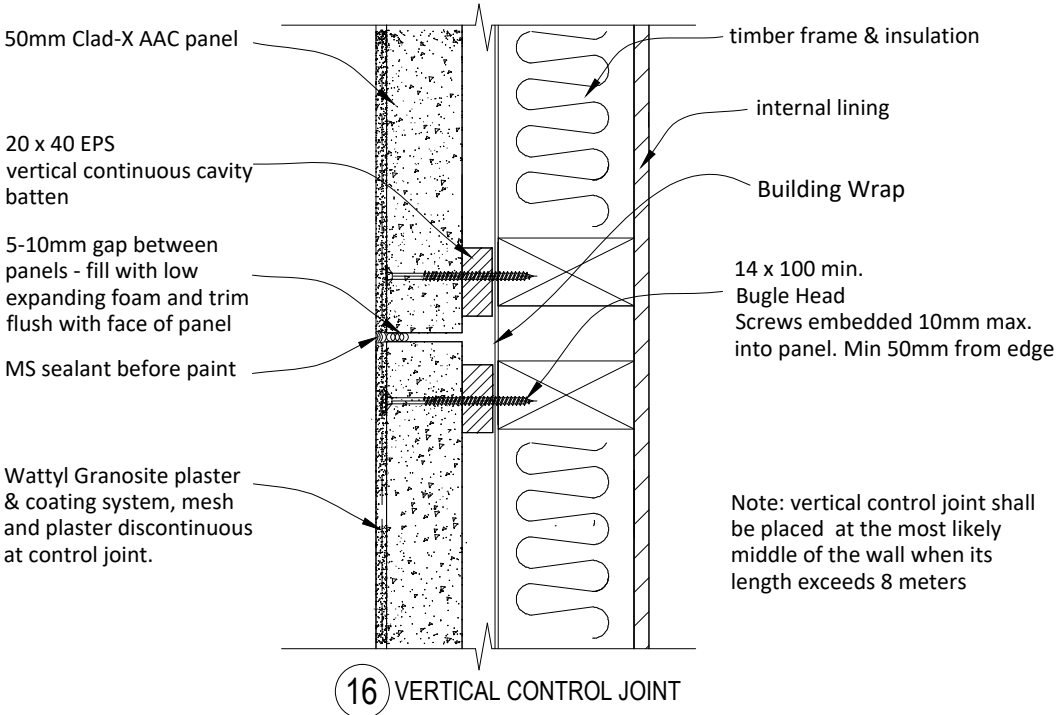
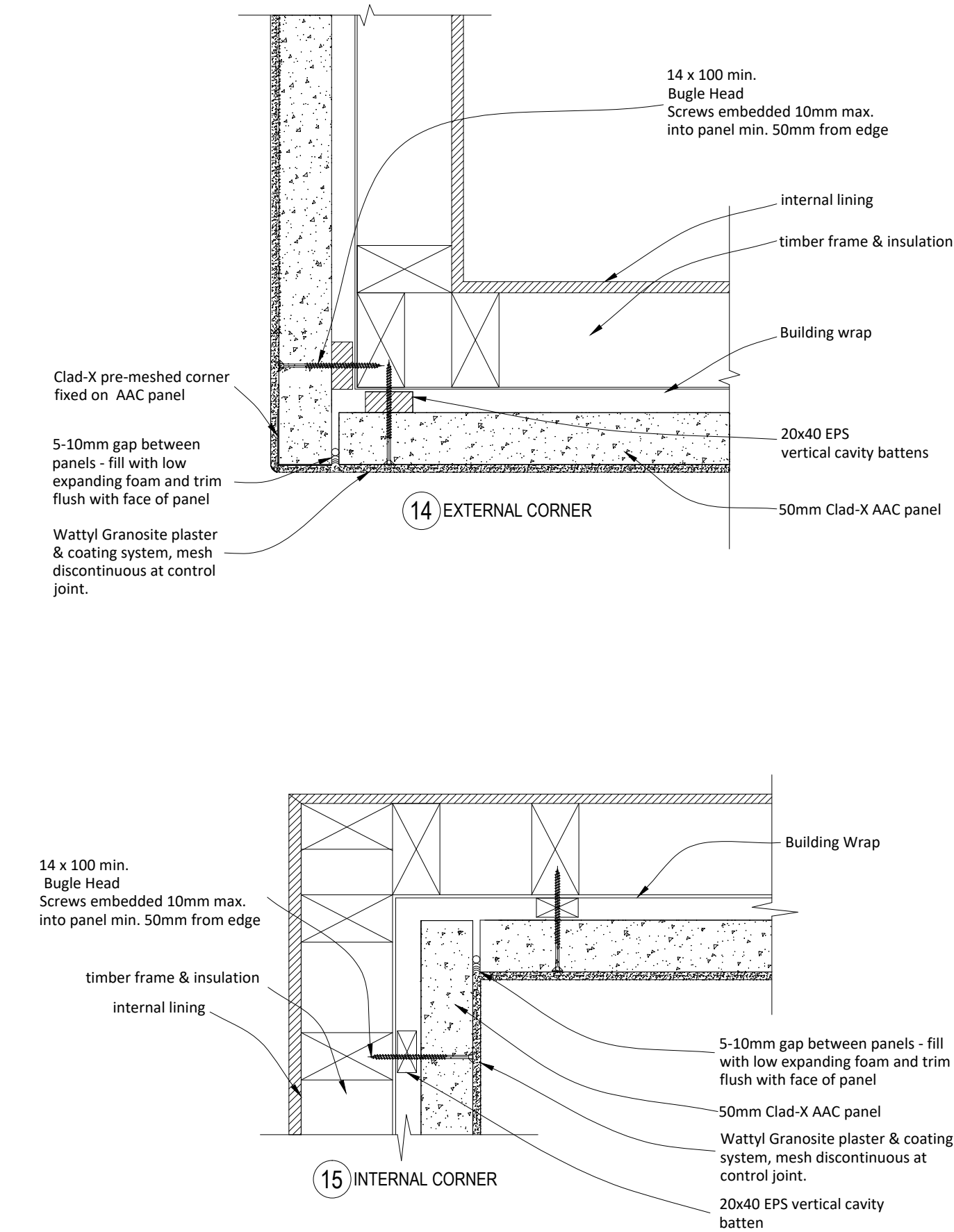
a . s . c . a . d . limited ascadltd@snap.net.nz 0272 838 775	job title: BADDOCK - LOT 115	drawing title: DETAILS	legal description: Lot 115 Townsend RANGIORA	WORKING DRAWINGS SUBJECT TO COUNCIL APPROVAL ALL MEASUREMENTS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK DO NOT SCALE FROM DRAWINGS UNDER ANY CIRCUMSTANCES	scale: 1:2 Job No.: -	page: 15 of: 25 DATE: 18/07/23
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scale: 1:5
Job No.: -
page: 16 of: 25
DATE: 18/07/23

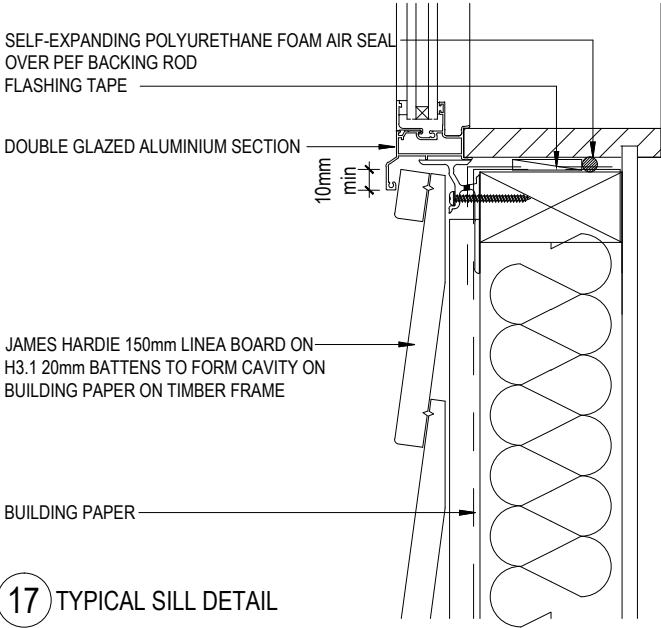


WAIMAKARIRI DISTRICT COUNCIL
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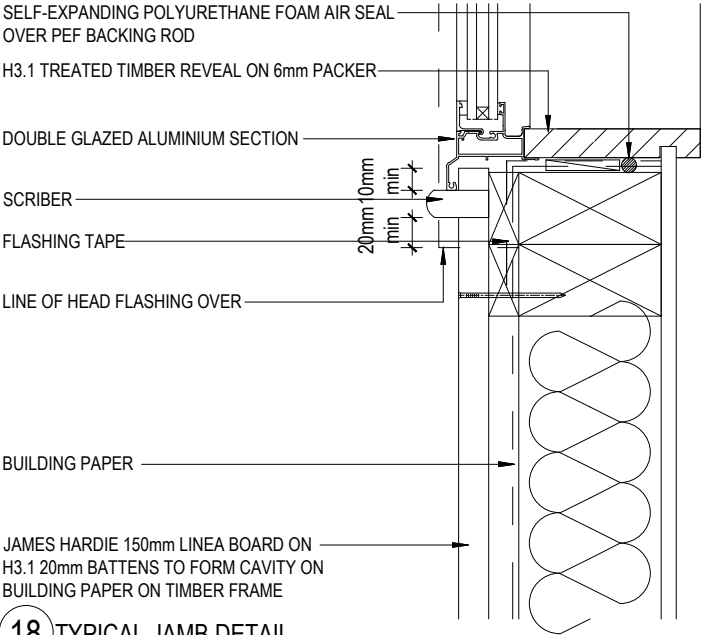


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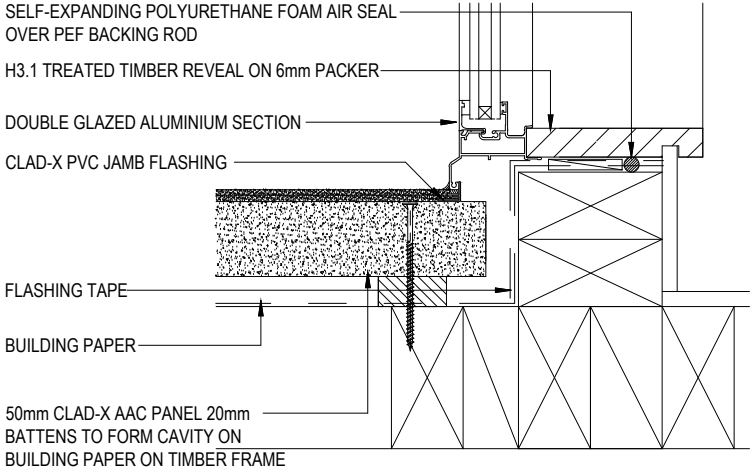
a.s.c.a.d. limited ascadtd@snap.net.nz 0272 838 775	job title: BADDOCK - LOT 115	drawing title: DETAILS	legal description: Lot 115 Townsend RANGIORA	WORKING DRAWINGS SUBJECT TO COUNCIL APPROVAL ALL MEASUREMENTS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK DO NOT SCALE FROM DRAWINGS UNDER ANY CIRCUMSTANCES	scale: 1:5 Job No.: -	page: 18 of: 25 DATE: 18/07/23
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17 TYPICAL SILL DETAIL

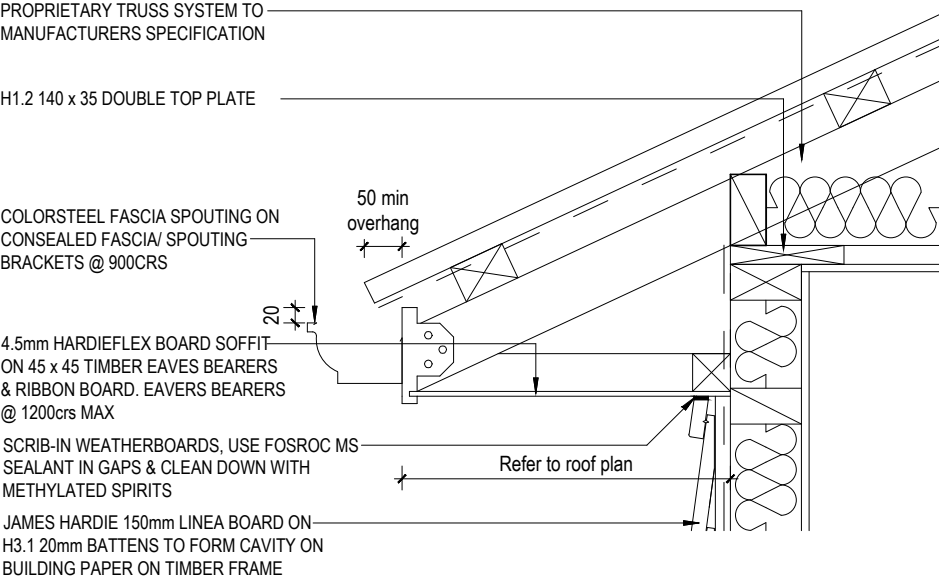


18 TYPICAL JAMB DETAIL
 NOTE: PROVIDE FLEXIBLE FLASHING TAPE AS
 REQUIRED BY NZBC E2 - Fig 72

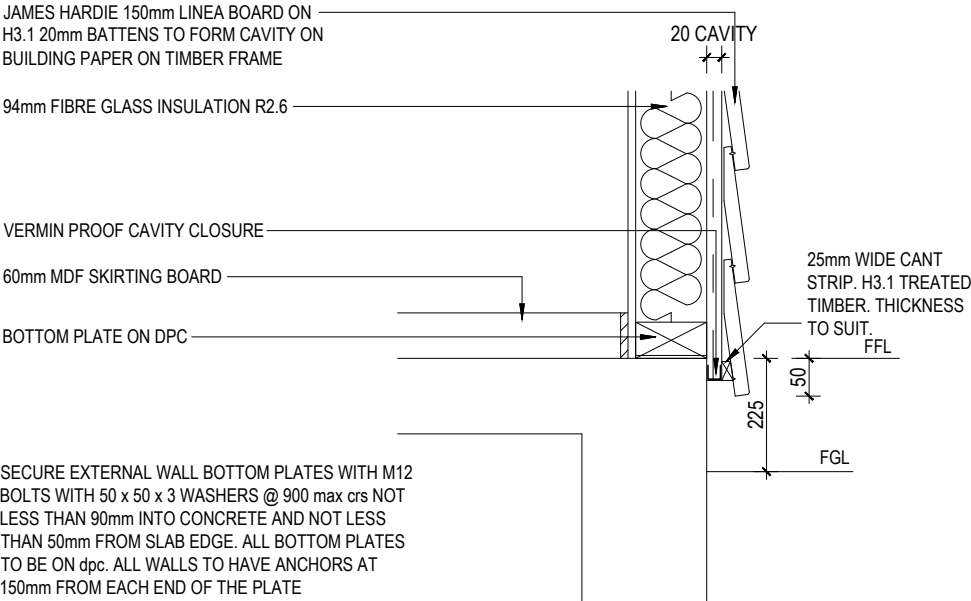


19 TYPICAL JAMB DETAIL
 NOTE: PROVIDE FLEXIBLE FLASHING TAPE AS
 REQUIRED BY NZBC E2 - Fig 72

WAIMAKARIRI DISTRICT COUNCIL
 Plans and specifications APPROVED in accordance
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 Regulations 1992, Clause 3
 BC230578 14/09/2023 brennao

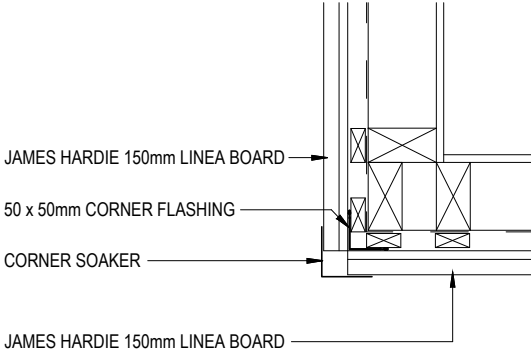


20 EAVES DETAIL

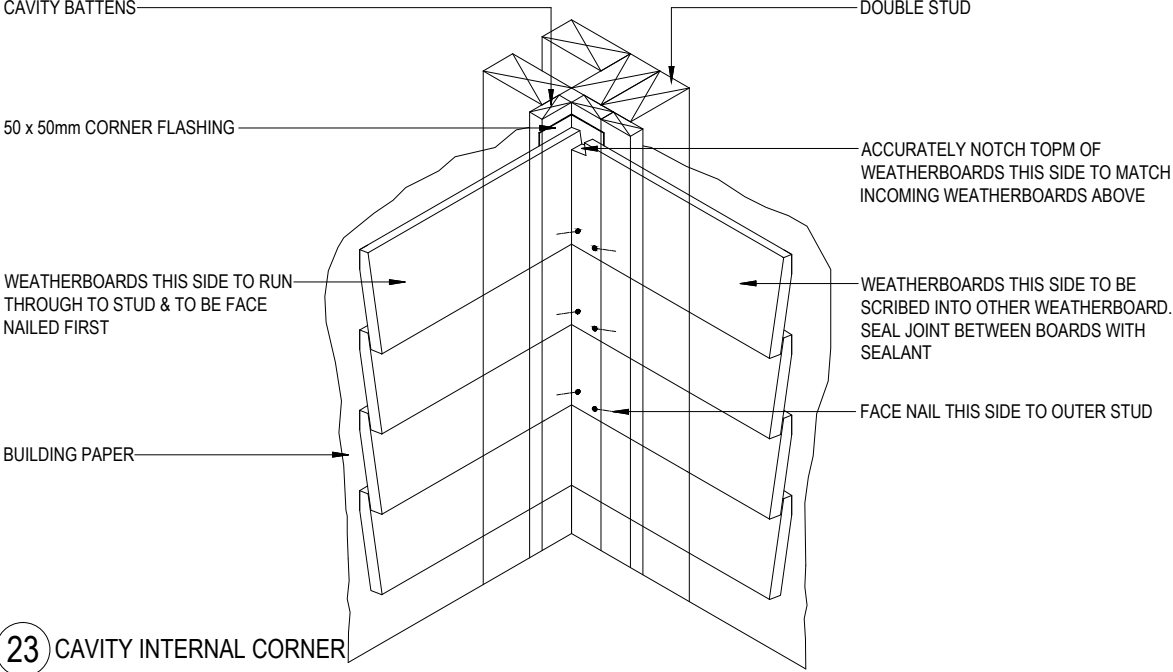


21 FOUNDATION DETAIL

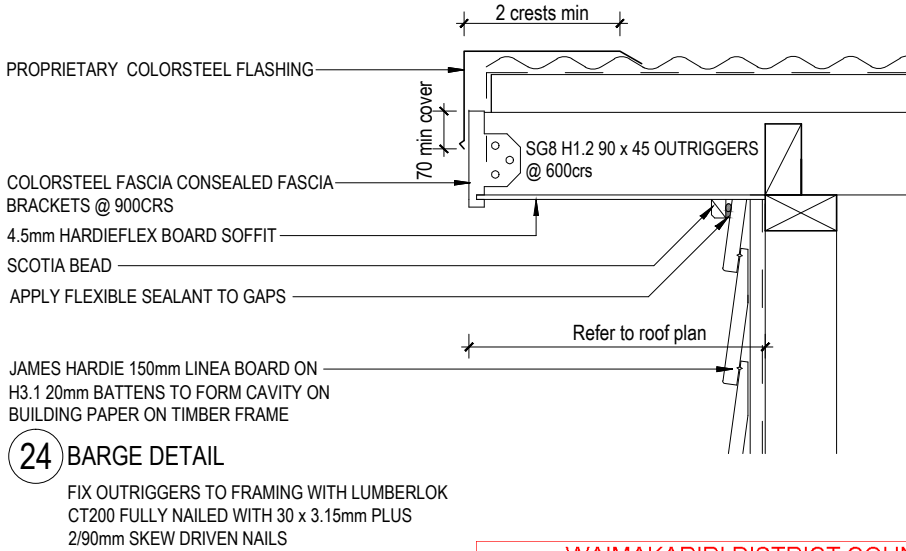
REFER TO ENGINEERS DOCS FOR FOUNDATION & SLAB DETAILS



22 LINEA CORNER DETAIL

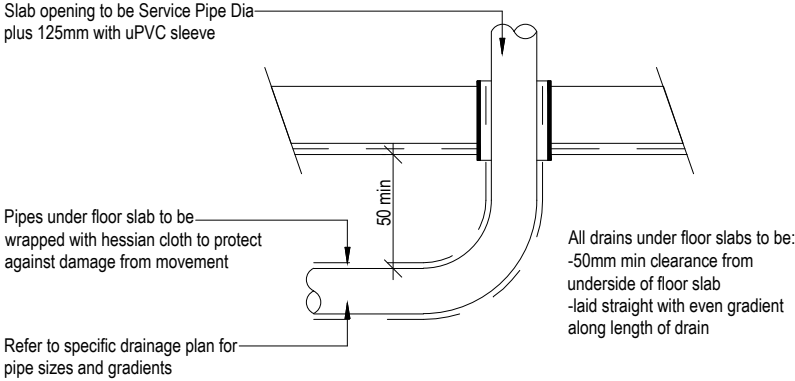
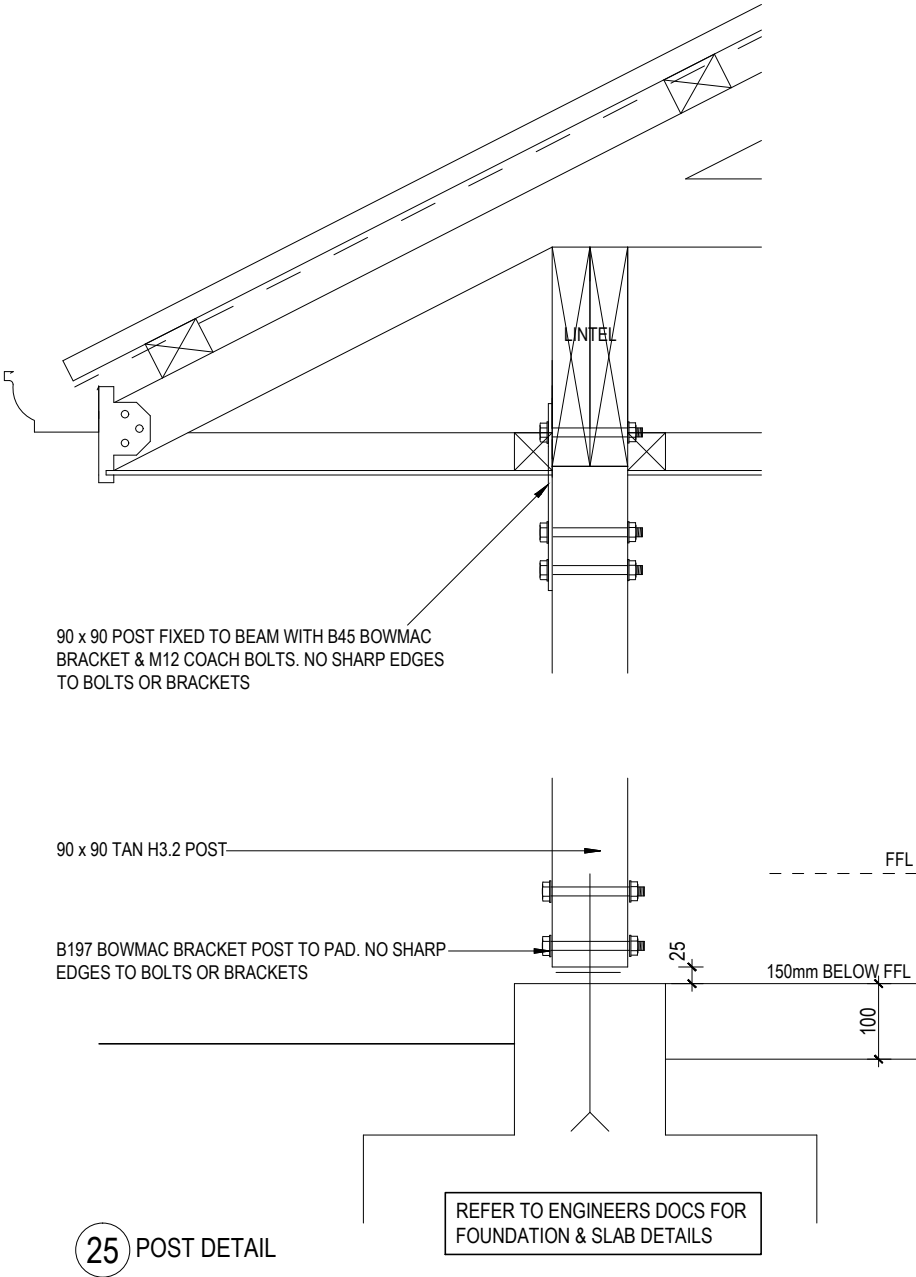


23 CAVITY INTERNAL CORNER

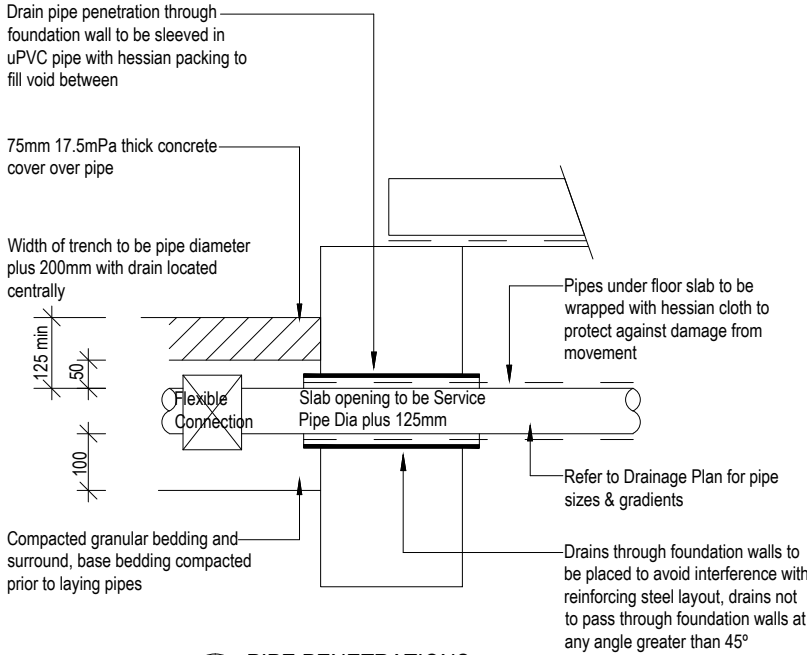


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a.s.c.a.d. limited ascadltd@snap.net.nz 0272 838 775	job title: BADDOCK - LOT 115	drawing title: DETAILS	legal description: Lot 115 Townsend RANGIORA	WORKING DRAWINGS SUBJECT TO COUNCIL APPROVAL ALL MEASUREMENTS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK DO NOT SCALE FROM DRAWINGS UNDER ANY CIRCUMSTANCES	scale: 1:10 Job No.: -	page: 20 of: 25 DATE: 18/07/23
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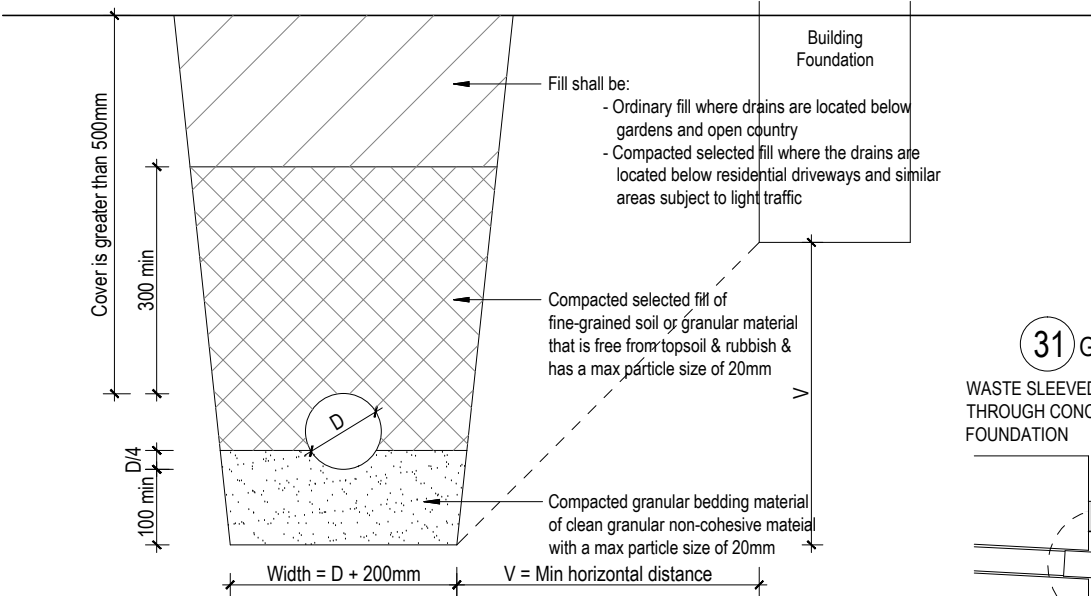


26 PIPE THROUGH FLOOR SLAB PENETRATIONS

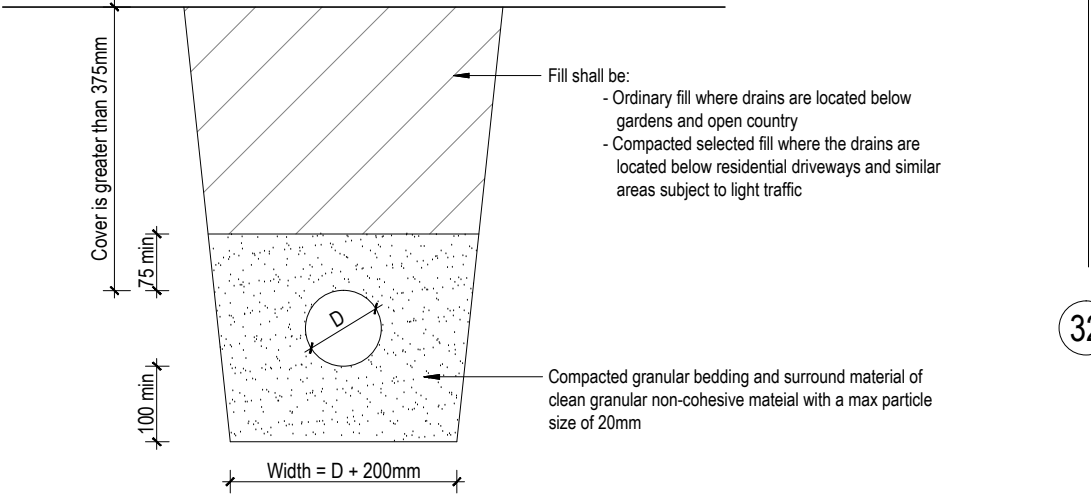


27 PIPE PENETRATIONS THROUGH FOUNDATION WALLS
 DETAIL APPLICABLE TO PIPES WITH A MINIMUM COVER OF 125mm UP TO A MAXIMUM OF 375mm

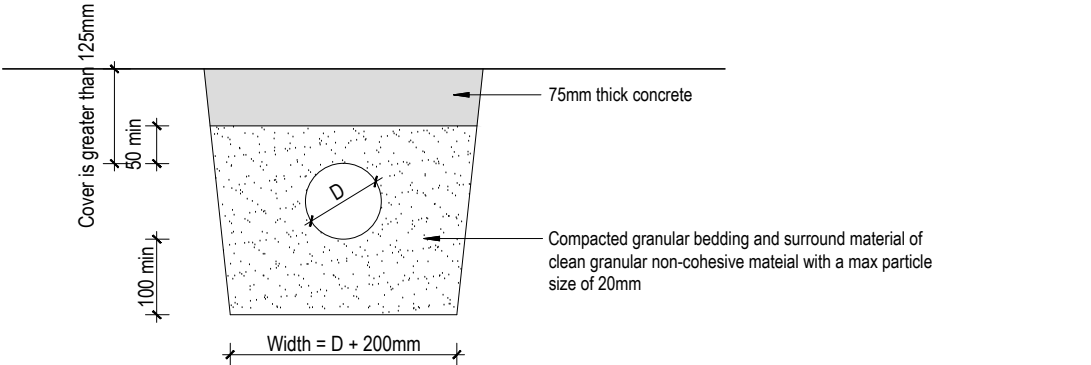
WAIMAKARIRI DISTRICT COUNCIL
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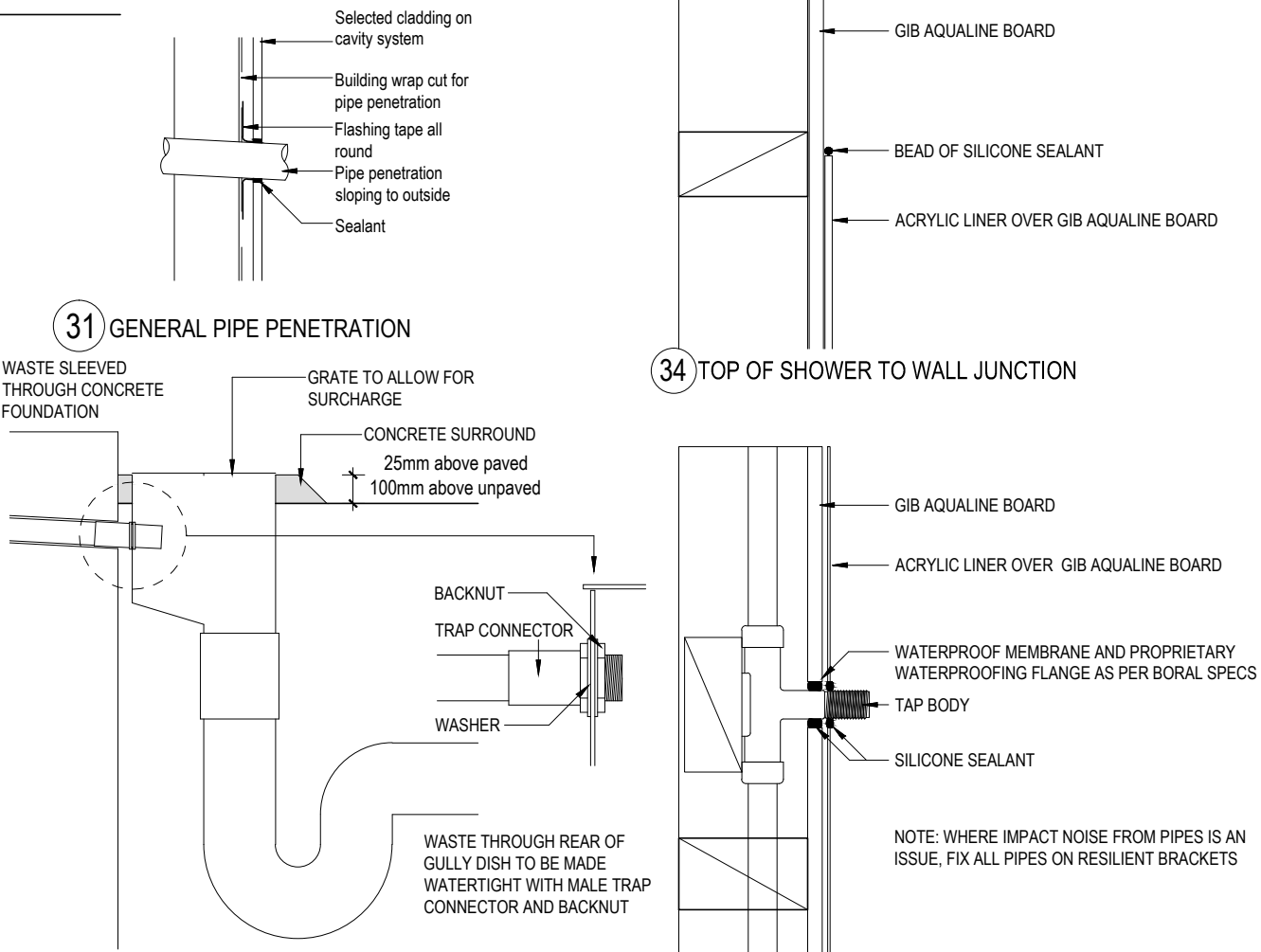
28 BEDDING TYPE 'B' OF NZS7643
 Cover greater than 500mm



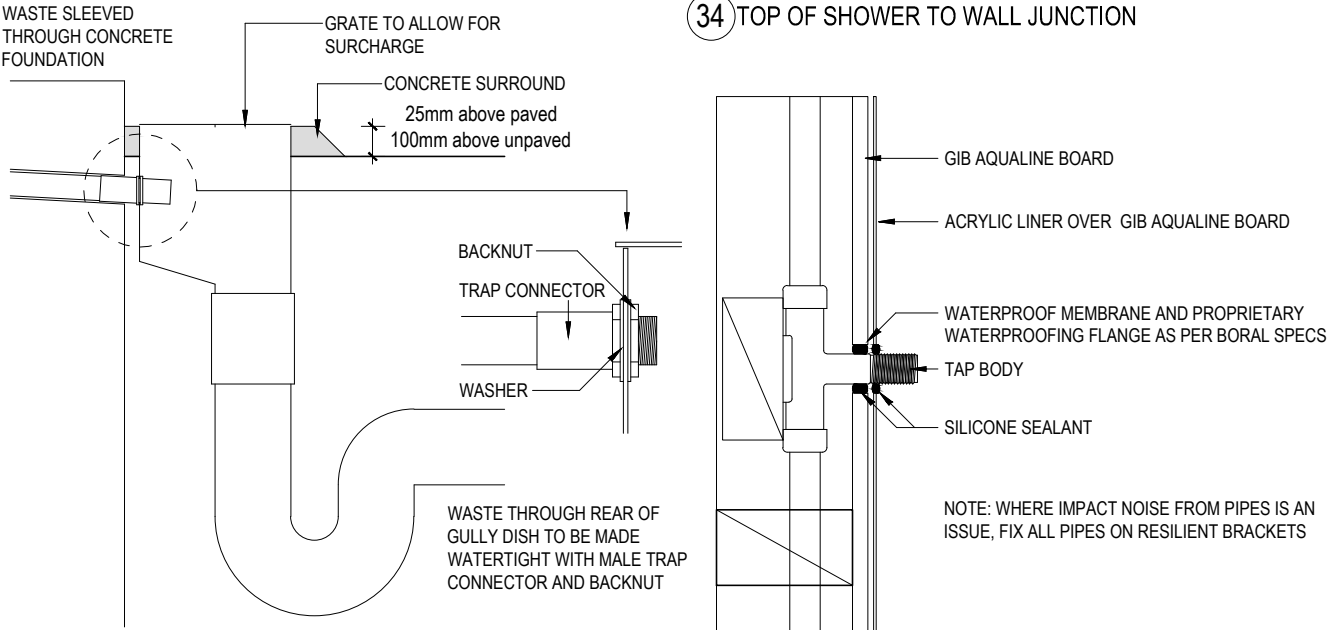
29 BEDDING TYPE 'D' OF NZS7643
 Cover greater than 375mm



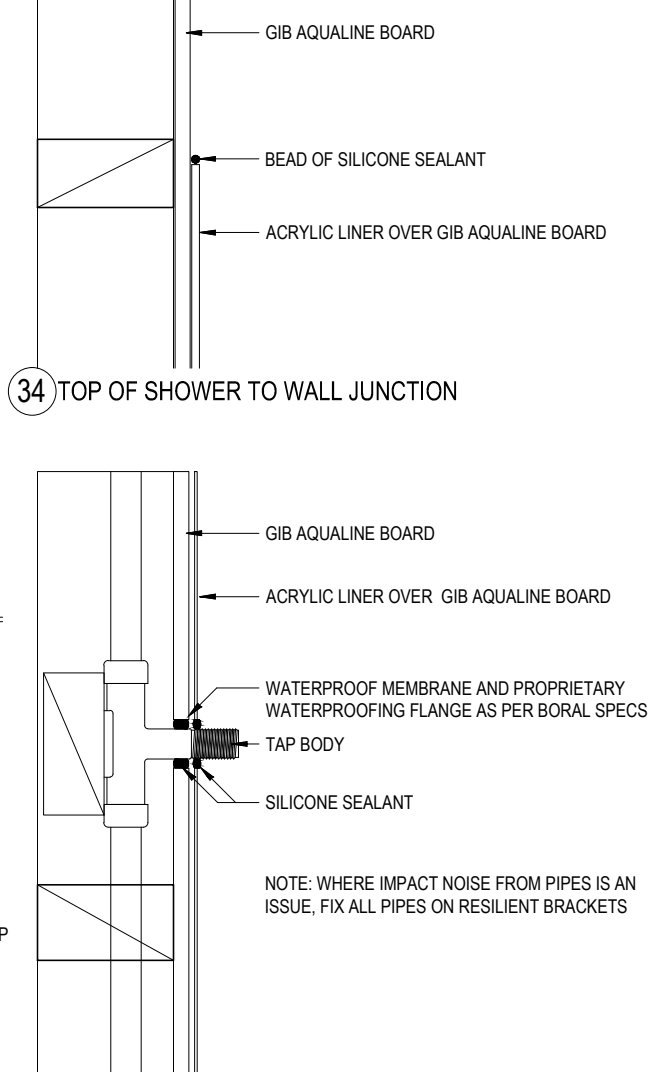
30 COVER BETWEEN 125 & 375mm



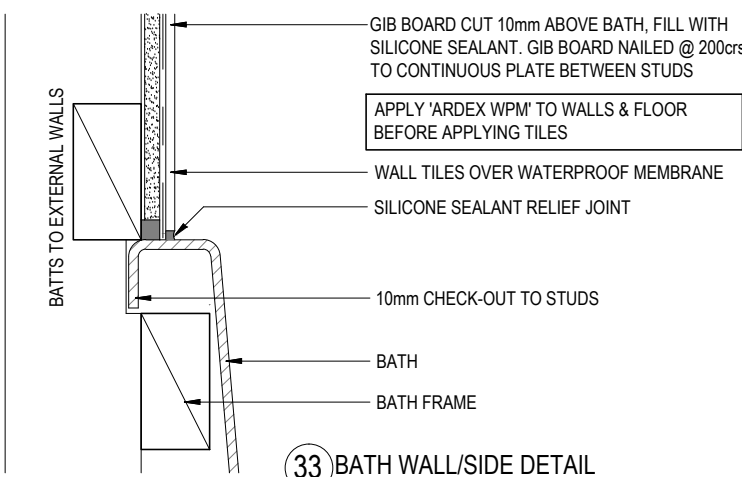
31 GENERAL PIPE PENETRATION



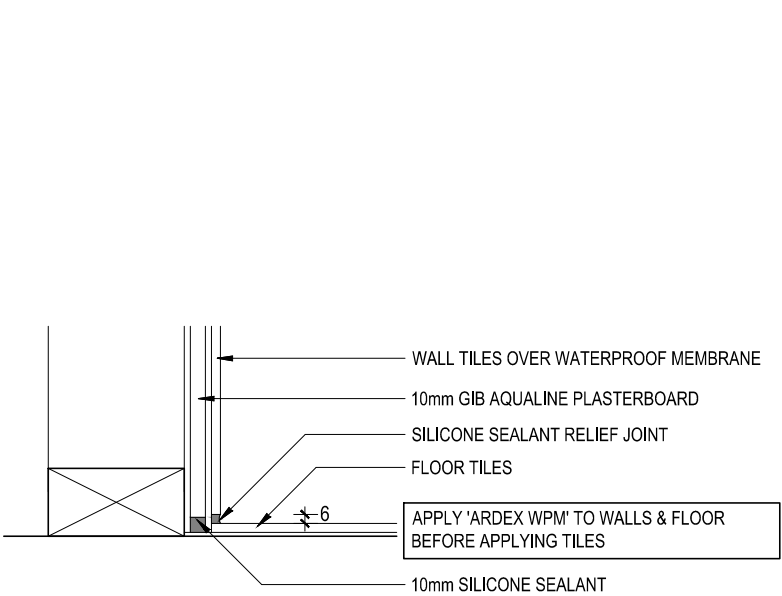
32 WASTE DISCHARGING TO REAR OF GT



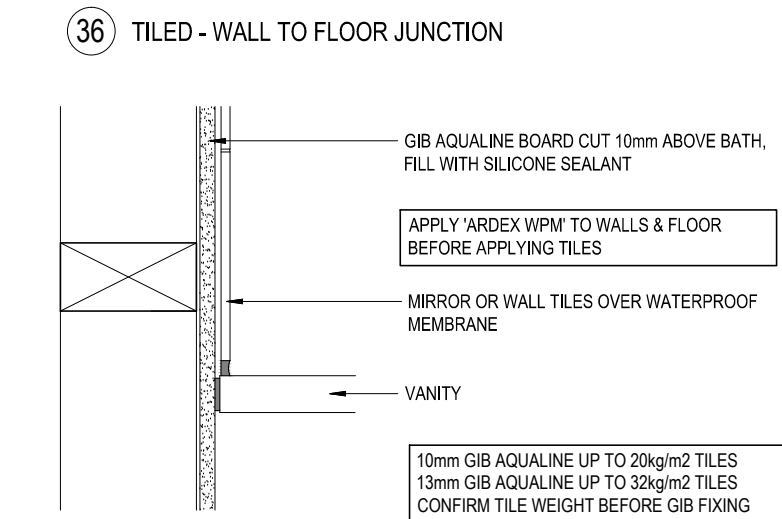
33 SHOWER PIPE PENETRATION



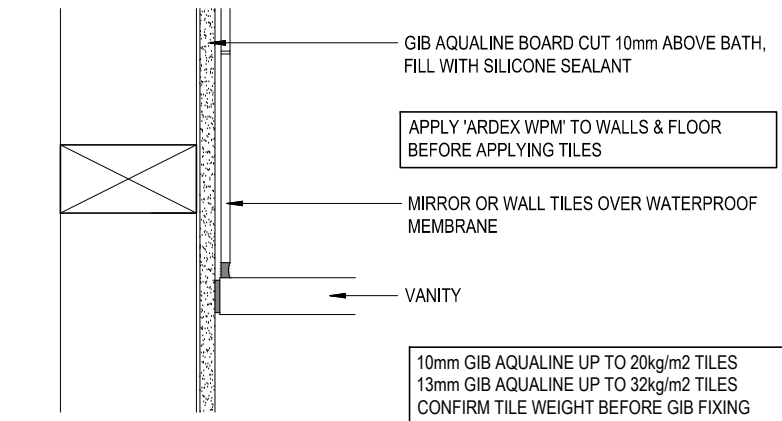
34 BATH WALL/SIDE DETAIL



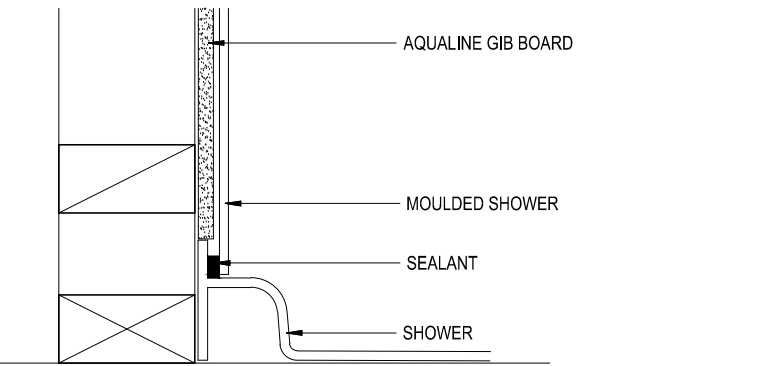
35 TOP OF SHOWER TO WALL JUNCTION



36 TILED - WALL TO FLOOR JUNCTION



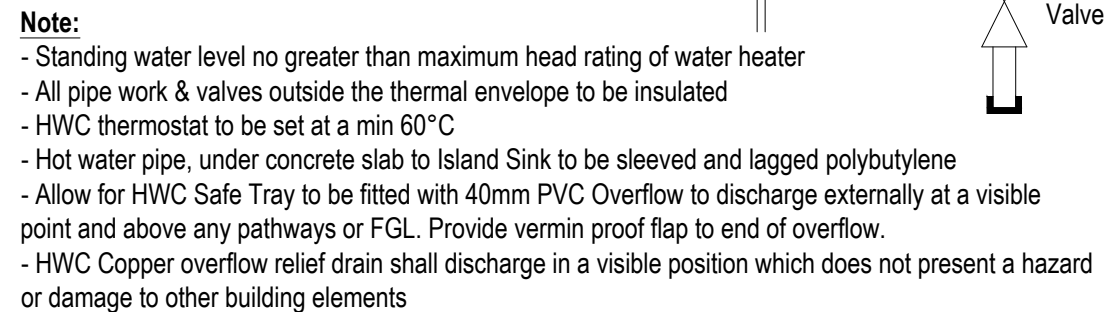
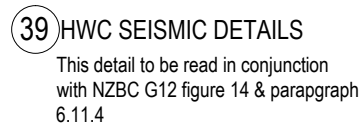
37 VANITY TO WET WALL DETAIL



38 WALL TO SHOWER JUNCTION

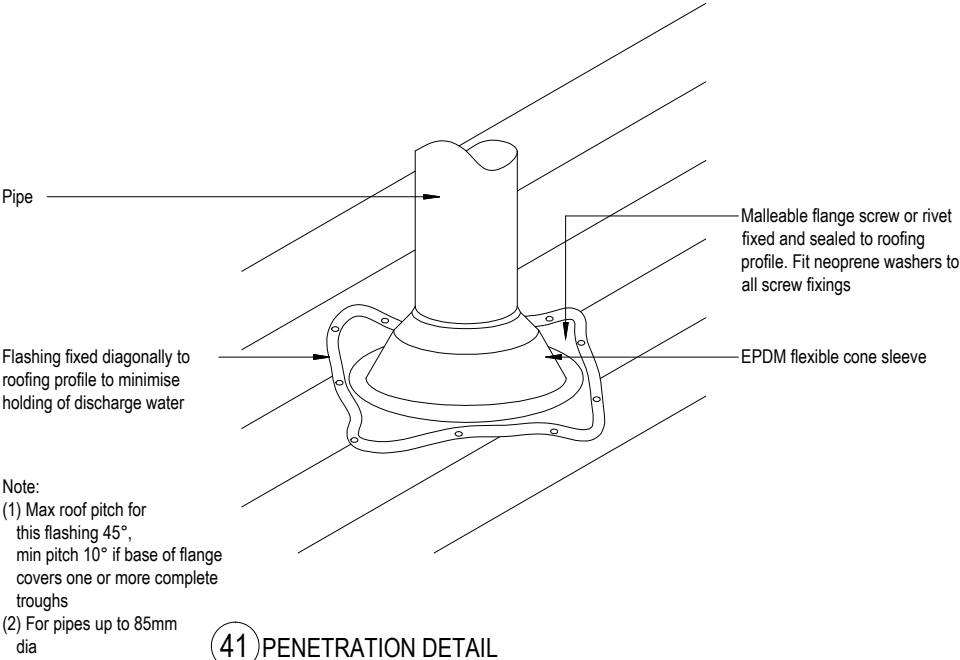
WAIMAKARIRI DISTRICT COUNCIL
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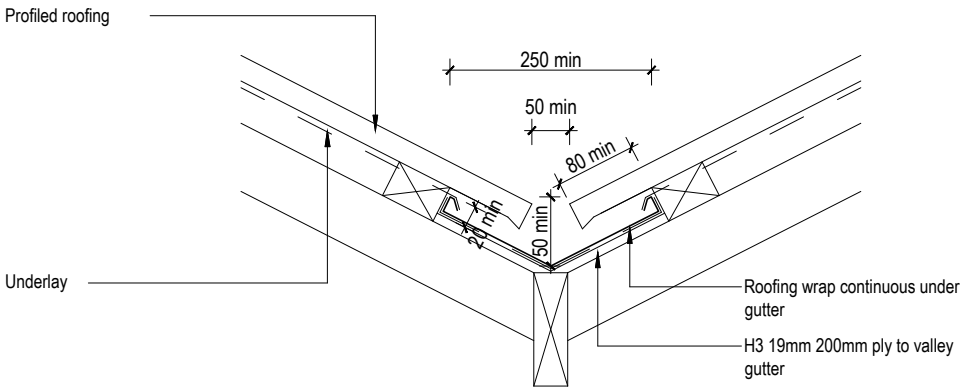


40 HWC VALVES

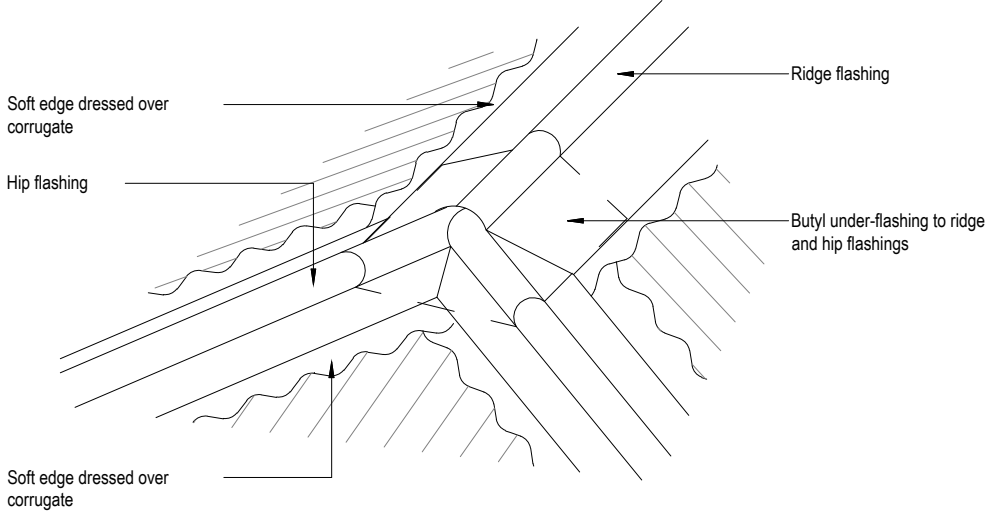
WAIMAKARIRI DISTRICT COUNCIL
Plans and specifications APPROVED in accordance
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Regulations 1992, Clause 3
BC230578 14/09/2023 brennao



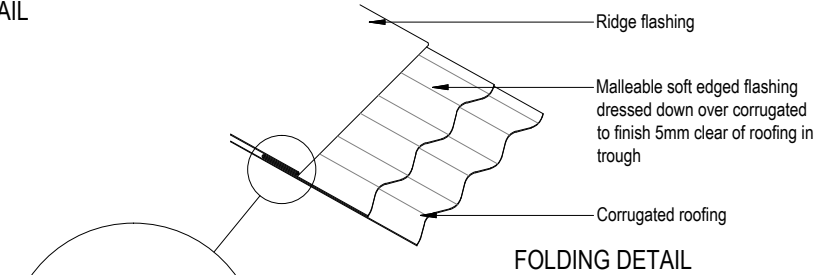
41 PENETRATION DETAIL



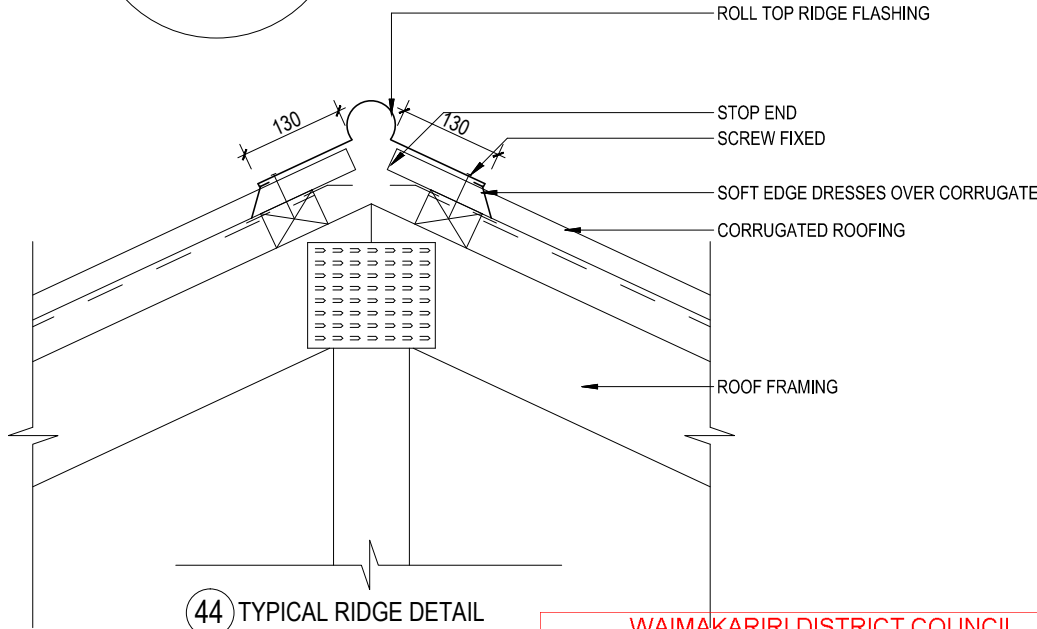
42 VALLEY DETAIL



43 HIP DETAIL

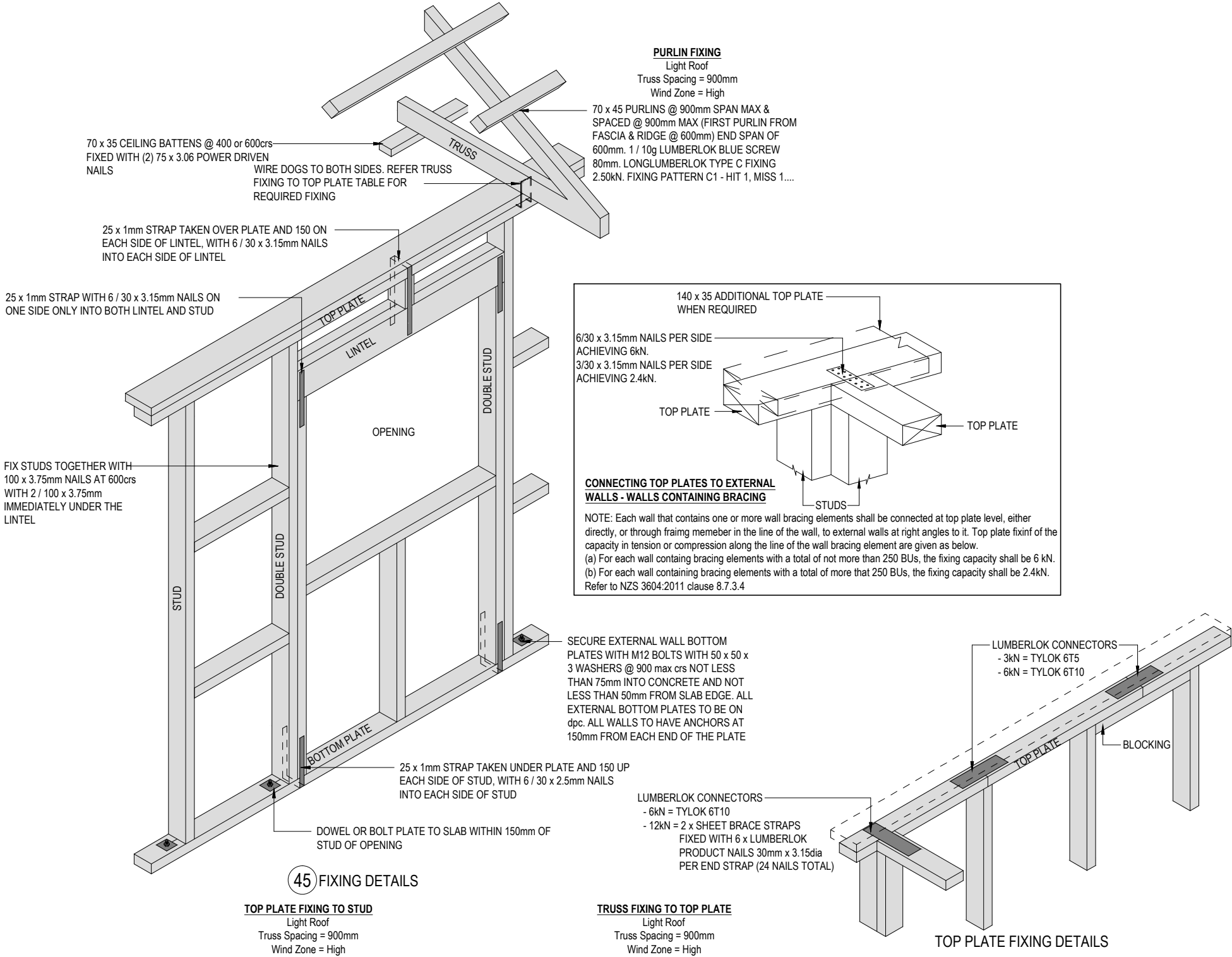


FOLDING DETAIL



44 TYPICAL RIDGE DETAIL

WAIMAKARIRI DISTRICT COUNCIL
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 BC230578 14/09/2023 brennao



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 with the Building Act 2004, clause 49 and the Building
 Regulations 1992, Clause 3
 BC230578 14/09/2023 brennao



WAIMAKARIRI DISTRICT COUNCIL
 MINOR VARIATION to Plan and/or Specifications APPROVED
 BC230758.03 15/04/2024 brennao
 updated drawings to match as-built RWH

a.s.c.a.d.
 limited
 ascadltd@snap.net.nz
 0272 838 775

job title:
 BADDOCK - LOT 115

drawing title:
 DETAILS
 25/03/24 REV G - New sheet

legal description:
 Lot 115
 Townsend
 RANGIORA

WORKING DRAWINGS
 SUBJECT TO COUNCIL APPROVAL
 ALL MEASUREMENTS TO BE CONFIRMED
 ON SITE BY CONTRACTOR PRIOR TO
 THE COMMENCEMENT OF WORK
 DO NOT SCALE FROM DRAWINGS UNDER ANY
 CIRCUMSTANCES

scale:
 1:10
 Job No.:
 -

page:
 26g
 of: 25
 DATE: 18/07/23



WAIMAKARIRI DISTRICT COUNCIL
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