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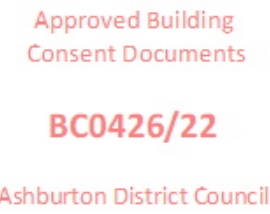
PROPOSED NEW RESIDENCE

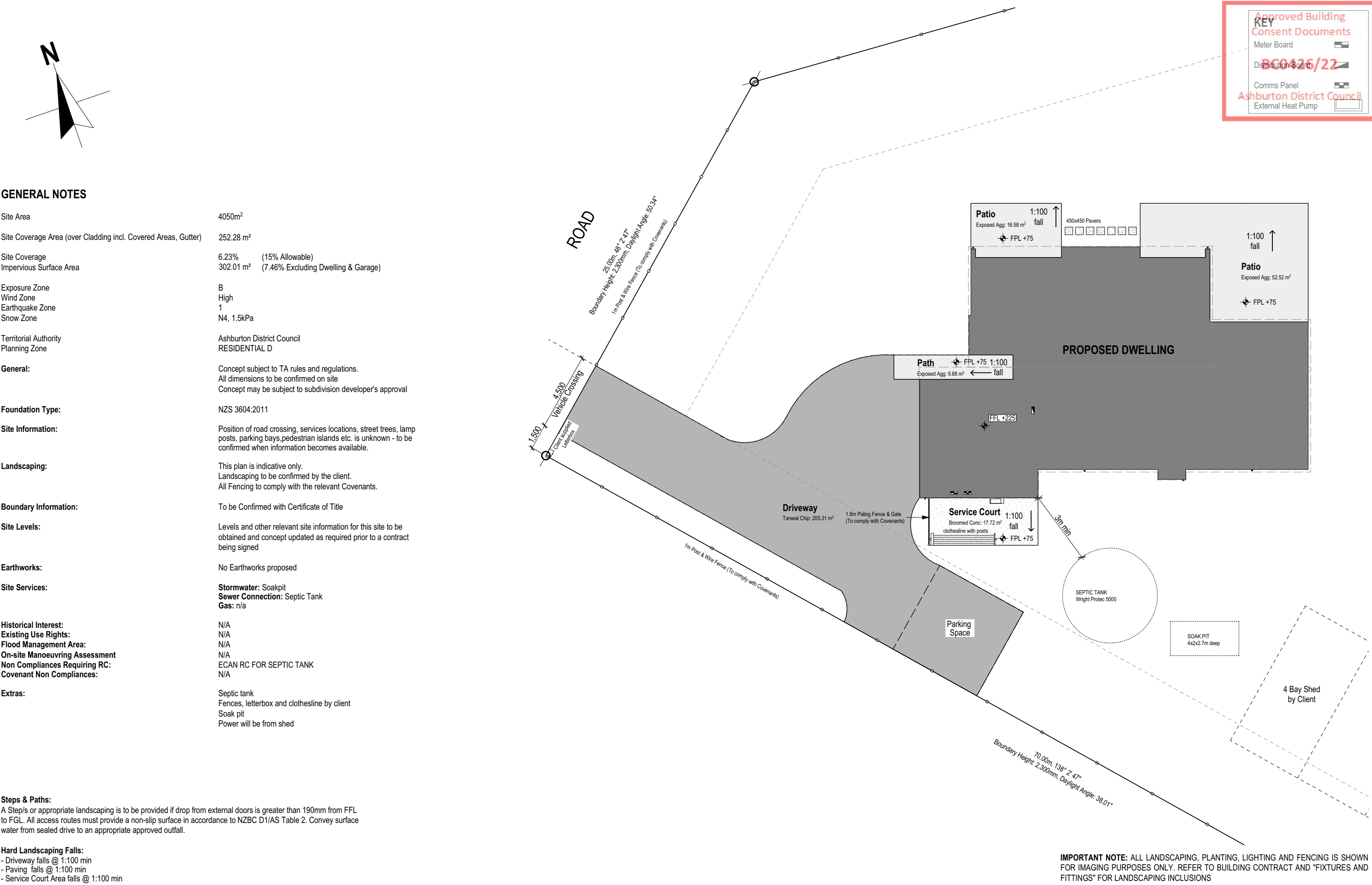


ARTIST IMPRESSION ONLY

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					VERSION: V9	CODE: 1	JOB # M0470	



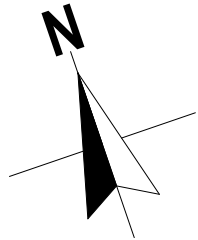


**Steps & Paths:**  
A Step/s or appropriate landscaping is to be provided if drop from external doors is greater than 190mm from FFL to FGL. All access routes must provide a non-slip surface in accordance to NZBC D1/AS Table 2. Convey surface water from sealed drive to an appropriate approved outfall.

- Hard Landscaping Falls:**
- Driveway falls @ 1:100 min
  - Paving falls @ 1:100 min
  - Service Court Area falls @ 1:100 min

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					VERSION: V9	CODE: 1	JOB # M0470	



GENERAL NOTES:

Main contractor to provide 2m min. high chain link fence (min. size 50x50mm) to prevent unauthorised entry to the site. All fencing to comply with F5 including relevant hazard signage.

Main Contractor to provide site specific Health & Safety policy which is to be viewed & signed by all persons entering the site.

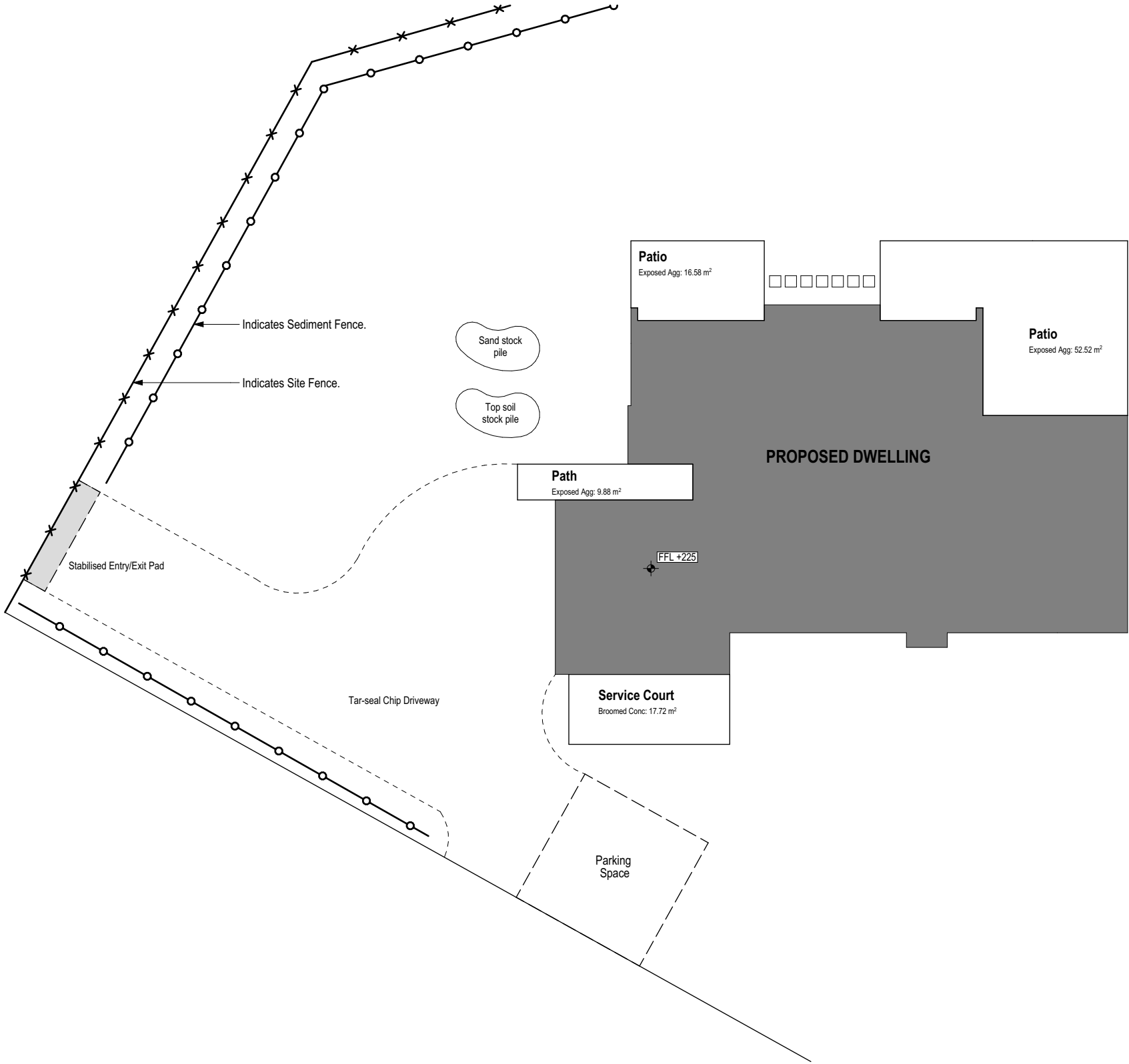
Main Contractor to ensure Sediment control measures are put in place and maintained throughout construction of building works as per the Sediment Control Plan.

SEDIMENT CONTROL NOTES:

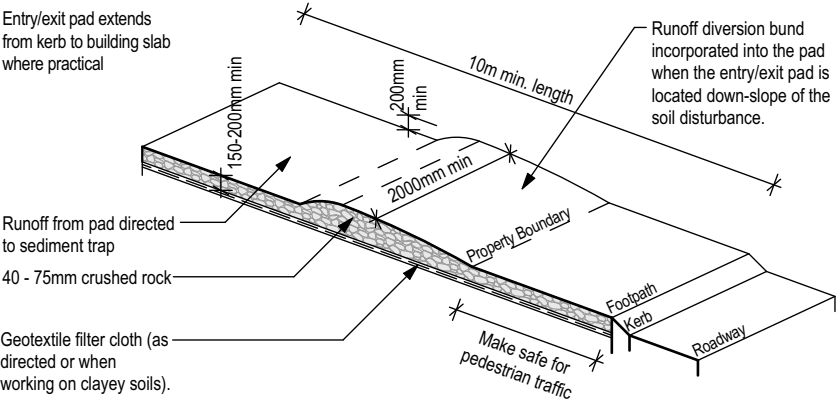
- 1) Rumble pad to be created at point of entry & exit on site (Removed on completion of formed driveway)
- 2) Rumble pad to be created in accordance to guidelines provided by the local Council & maintained in good condition throughout it's period of use.
- 3) All ground cover/vegetation outside of immediate build area to be maintained throughout period of house build. This includes grass verges on the street frontage.
- 4) Any stockpiles of soil or excavated material are to be kept to the rear of the site & covered with impervious sheets.
- 5) Roof downpipes are to be connected to the installed stormwater drainage as soon as practical once roof cladding has been installed. Until this point ensure water run-off from downpipes is directed away from build area but not on to neighbouring properties.

No building work will be started on this project until the construction of an approved stormwater outfall has been completed for this proposed lot.

Please Note: An on-site inspection will be completed prior to construction stage with appropriate control measures to protect stormwater drains installed where relevant.



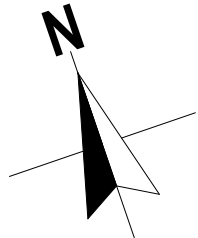
Sediment Management Figure : Sediment Fence



Sediment Management Figure : Stabilised Entry Pad

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					AMENDMENT DATE: 31.05.22	TECHNICIAN: CM	BASE PLAN: CT5499	
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FOUNDATION NOTES:

**Foundation & Slab:**  
- 240mm & 200mm wide concrete foundation footing reinforced with 2/D16 bars & D10 starters @ 600mm crs max. extending 400mm min. into slab.

- All topsoil should be removed from beneath the area of the floor slab & the CAP40 hard fill should be placed in layers not exceeding 150mm loose depth & compacted to achieve a minimum dry density of 2,150kg/m³.

- Concrete slab to be 100mm thick min. reinforced with Grade 500E mesh with minimum of 30mm cover on Polythene DPM over compacted AP40.

- Slab & footings to be 20MPa @ 28 days of standard curing.

- Maximum dimension (In plan) between shrinkage controls is 6m with mesh.

- Supplementary reinforcing (2/D12 1200mm long) to internal corners where shrinkage controls do not meet the internal corner.

**Foundations & Plumbing:**  
- WC riser locations have a typical offset of 140mm from internal line of framing to centre of waste. (Manufacturers technical specifications should be consulted to confirm offset)

-Vanity riser locations have a typical offset of 45mm to centre line of wall framing to centre of waste.

**Important Note: Confirm layout of fittings of kitchen & bathroom etc. before foundation commences.**

- Mesh in floor slab must be earthed. Earth with 16mm REO rod brought up into garage wall below meter box & wired to the mesh. At prewire, connect a clamp & piece of wire to rod & earth it to the meter box.

**Ground Clearances:**  
Minimum heights of concrete slab on ground above surrounding ground levels to be:  
Brick Cladding: 125mm to sealed surface & 200mm to unsealed ground as per NZBC E2. 2/Coats of bituminous liquid to brick rebate  
Linea Oblique: 150mm to sealed surface & 225mm to unsealed ground as per NZBC E2

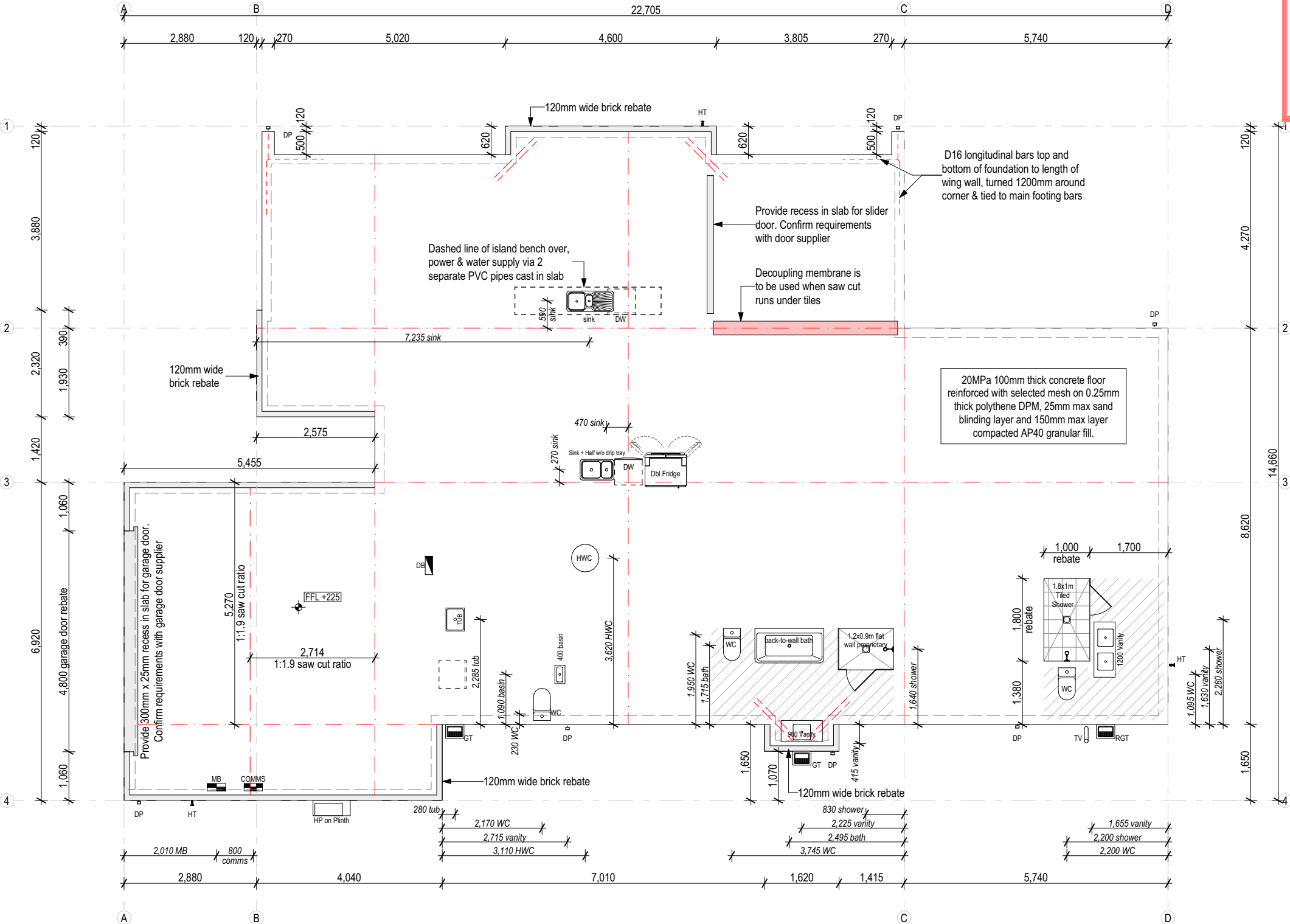
For sites above the road: Finished floor level to be 150mm minimum above crown of road as per NZBC E1/AS1.  
For sites below the road: Finished floor level to be no less than 150mm above the lowest point on the site boundary, as per NZBC E1/AS1.

FOUNDATION KEY

2/1.2m long supplementary reinforcing bars

1/4 deep saw cut into concrete slab @ 6m crs. max. @ ratio of 1:2 max.

200mm (240mm for brick) wide footing below



Approved Building Consent Documents

- Meter Board
- Distribution Board
- Comms Panel
- Gully Trap

- Hose Tap
- Downpipe
- External Heat Pump

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JOB TITLE:  
**MIKE GREER HOMES For Kelvin & Sharon Inch**

DRAWING TITLE:  
**Foundation Plan**

LEGAL DESCRIPTION:  
LOT: 7 DP: TBC  
Meadowlands Green  
Meadowlands  
Ashburton

LEGAL NOTES:  
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AMENDMENT DATE: 31.05.22	TECHNICIAN: CM	BASE PLAN: CT5499	
VERSION: V9	CODE: 1	JOB # M0470	

LEGEND

Ref	Fixture	Waste Size	Gradient
WC	Water Closet	100mm	1:60
B	Bath	40mm	1:40
SH	Shower	40mm	1:40
S	Kitchen Sink + DW	50mm	1:40
Van.U	Vanity Unit	40mm	1:40
TUB	Laundry Tub + WM	50mm	1:40
HWC	Hot Water Cylinder	25 & 40mm	1:40
WM	Washing Machine	Discharge to TUB	
BV	Branch Vent	40mm	
TV	Terminal Vent	80mm	
DP	Downpipe	75 x 50mm	
GT	Gully Trap		
RGT	Relief Gully Trap		
RP	Rodding Point		
IP	Inspection Point		
AAV	Air Admittance Valve		
HT	Hose Tap		

- 100mm uPVC surface water drain at 1:100 gradient to rock-filled soak pit (SW)
- 100mm uPVC foul water drain at 1:60 gradient to Oasis septic tank system. (FW)
- All internal waste pipes - Size & gradient shown in above table

GENERAL NOTES:

All plumbing and drainage to comply with NZBC Acceptable Solutions G13/AS1/AS2 by qualified trades person. Allow to check all dimensions and falls onsite prior to installation.  
Use 75x50mm downpipes. Contractor to locate all service connections on site prior to earthworks, confirm all boundary setbacks & restrictions comply with current regulations prior to commencement of foundations.

All waste pipes PVC. Sizes, fall, venting & discharge to be confirmed by NZ qualified plumber. Confirm positions of available services cabling etc. on site prior to any excavation.  
Internal water pipes to be Polybutylene. All pipework & pipes exposed to freezing to be lagged with closed cell foam.

Relief Gully Trap is to be positioned so that the top of the gully dish is no less than 150mm below the overflow level of the lowest sanitary fixture served by the drainage system.  
Position of drain connections at street laterals to be confirmed on site.  
Allow to thermally insulate all exterior pipework & valves exposed to external weather conditions.

Drain pipes discharging to GT: 25mm min air gap between all pipes & GT.

HWC to be installed on a safe tray with 40mm diameter drain & 25mm copper overflow relief pipe. Both drains to discharge to nearest planting area. Ensure drains are capped with vermin proofing. Refer details.

NZBC E1/VM1 9.0.5 ROCK FILLED SOAK PIT CALCULATOR									
R <sub>c</sub> :	R <sub>c</sub> = 10xCIA	C	0.90	steel & non-absorbant roof					
		I	<div>50.00</div>	rainfall intensity mm/hr					
	12.105	A	0.03	catchment area in hectares:					
				roof area:		<div>269</div>			
				impervious area:		<div>0</div>			
		V <sub>soak</sub> = A <sub>sp</sub> S <sub>r</sub> /1000	A <sub>sp</sub>	8.00	m <sup>2</sup> (base of soak pit)				
				length:		<div>4</div>			
				width:		<div>2</div>			
		S <sub>r</sub>	500.00	soakage rate mm/hr					
V <sub>soak</sub> :	4								
<b>volume of storage:</b>									
V <sub>store</sub> = (R <sub>c</sub> - V <sub>soak</sub> )/0.38									
V <sub>store</sub> (m <sup>3</sup> ):	21.33								
<b>depth of soak pit:</b>				<b>soak pit size (m):</b>					
V <sub>store</sub> / A <sub>sp</sub>				length:		4			
				width:		2			
Depth (m):	2.67			depth:		2.67			

Approved Building Consent Documents

KEY

Meter Board

Distribution Board

Comms Panel

Gully Trap

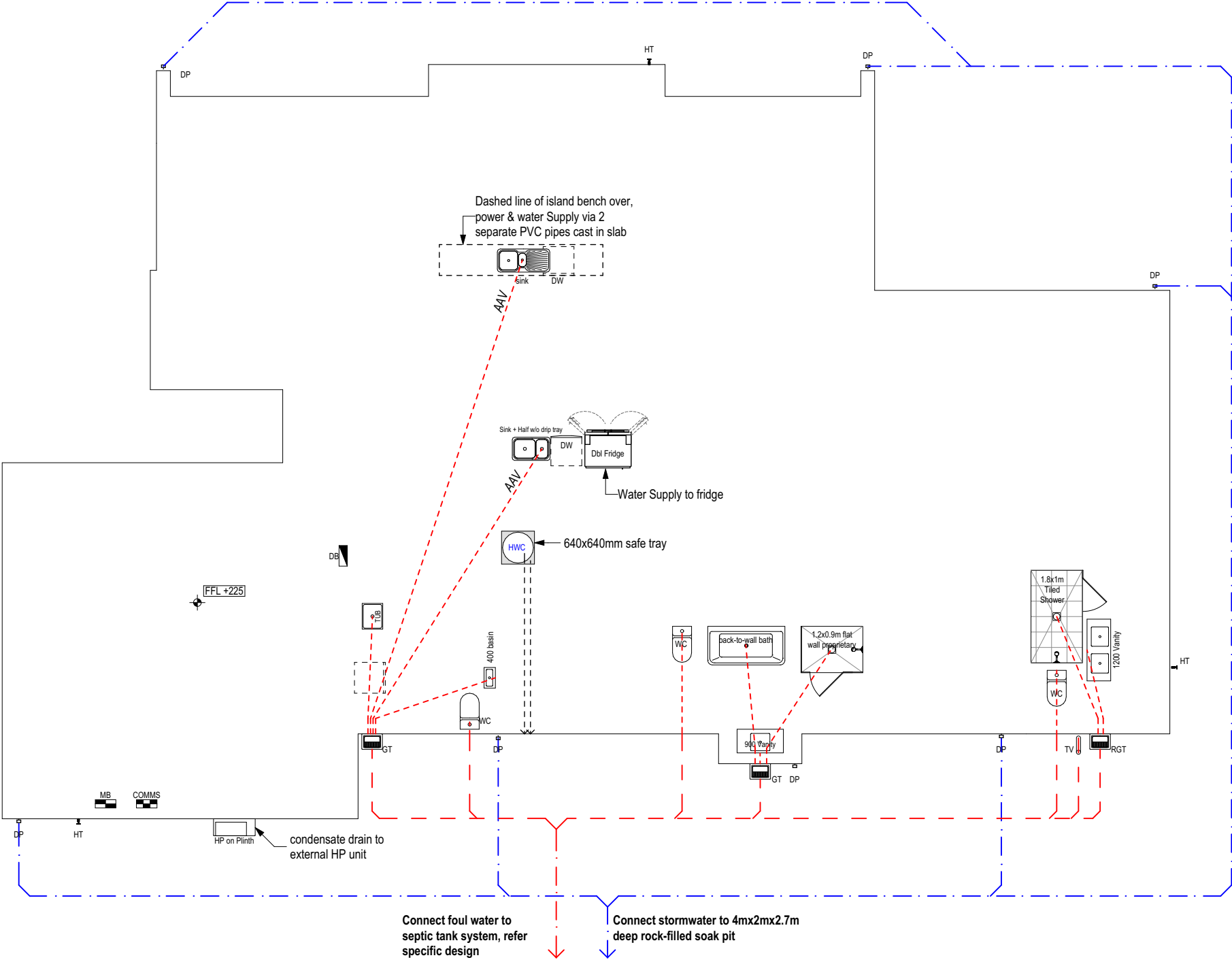
Hose Tap

Downpipe

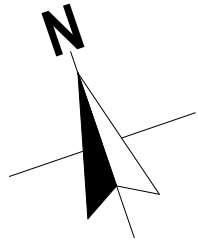
External Heat Pump

HT

DP



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					VERSION: V9	CODE: 1	JOB # M0470	



GENERAL NOTES

Ground Floor Perimeter	83,040.0 mm	over Foundation
Ground Floor Area	246.57 m²	over Framing
Ground Floor Area	250.59 m²	over Foundation
Roof Pitch	12°	
Eaves Width	150mm	
Gable Width	150mm	
Height To Underside of Truss	2455mm	
Lintel Height	2200mm	
Soffit Height	2380mm	
Soffit Type	Flat & Raking	
Internal Door Leaf Height	Standard	
Linings	GIB	
Ceiling Battens	35mm metal ceiling battens @ 400mm crs, direct fix	
Wall Cladding Materials	70 series brick veneer on 50mm cavity James Hardie Linea Oblique weatherboard, 200mm profile, vertical, on 20mm cavity	
Roofing Materials	Five-rib	
Ceiling Vents:	Bathroom & Ensuite to vent directly to exterior Laundry Room/Area to vent directly to exterior Range Hood to exit through roof	
Smoke Alarms:	Required within 3m of all sleeping areas, change in level & entry/exits as per NZS 4514 & BRANZ Bulletin No 606	
ENGINEERING:	Brick lintel over garage door	
Extras:	Plumbed fridge Induction hob - 900mm Single dishwasher to pantry Solatube to pantry Ducted heat pumps in bedrooms, lounge, living & hall Under tile heating in bathroom & ensuite Glazed door to hall Easy Niche 340wx340hx80d Barn Door Dog door x 2 Above vanity recessed mirror cabinet in bathroom Hollow core doors to robes, linen & store	

GENERAL NOTES:

- Glazing and glazed openings to comply with NZS 4223.3:2016 Glazing in buildings - Part 3: Human impact safety requirements, NZS 4211:2008: Specification for performance of windows, and New Zealand Building Code Clauses: F2 Hazardous Building Materials, & F4:Safety from Falling.
- All hard floor finishes to comply with NZBC D1/AS Table 2. Floor tiles to be non-slip & have a slip coefficient value of 0.35 - 0.65 for grit finished ceramic tiles.
- Impervious floor finishes to within 1.5m radius of sanitary fixtures/fittings
- Timber laminate to wet areas to be Godfrey Hirst 'Amor Classic' water resistant laminate, with moisture barrier
- Waterstop to impervious flooring at doorways
- Hot water pipes to be sized according to NZBC G12 & NZS4305:1996.
- Mains pressure: 15mm dia. allows 12m max. pipe length. Pipe length beyond this must be lagged.
- Satin enamel wall finish to bathroom, ensuite & those walls adjacent to sinks etc. in kitchen & laundry.
- Impervious Lining to be used above basins/ tubs

Approved Building  
Consent Documents

KEY

Meter Board

Distribution Board

Comms Panel

Ashburton District Council

Gully Trap

Hose Tap

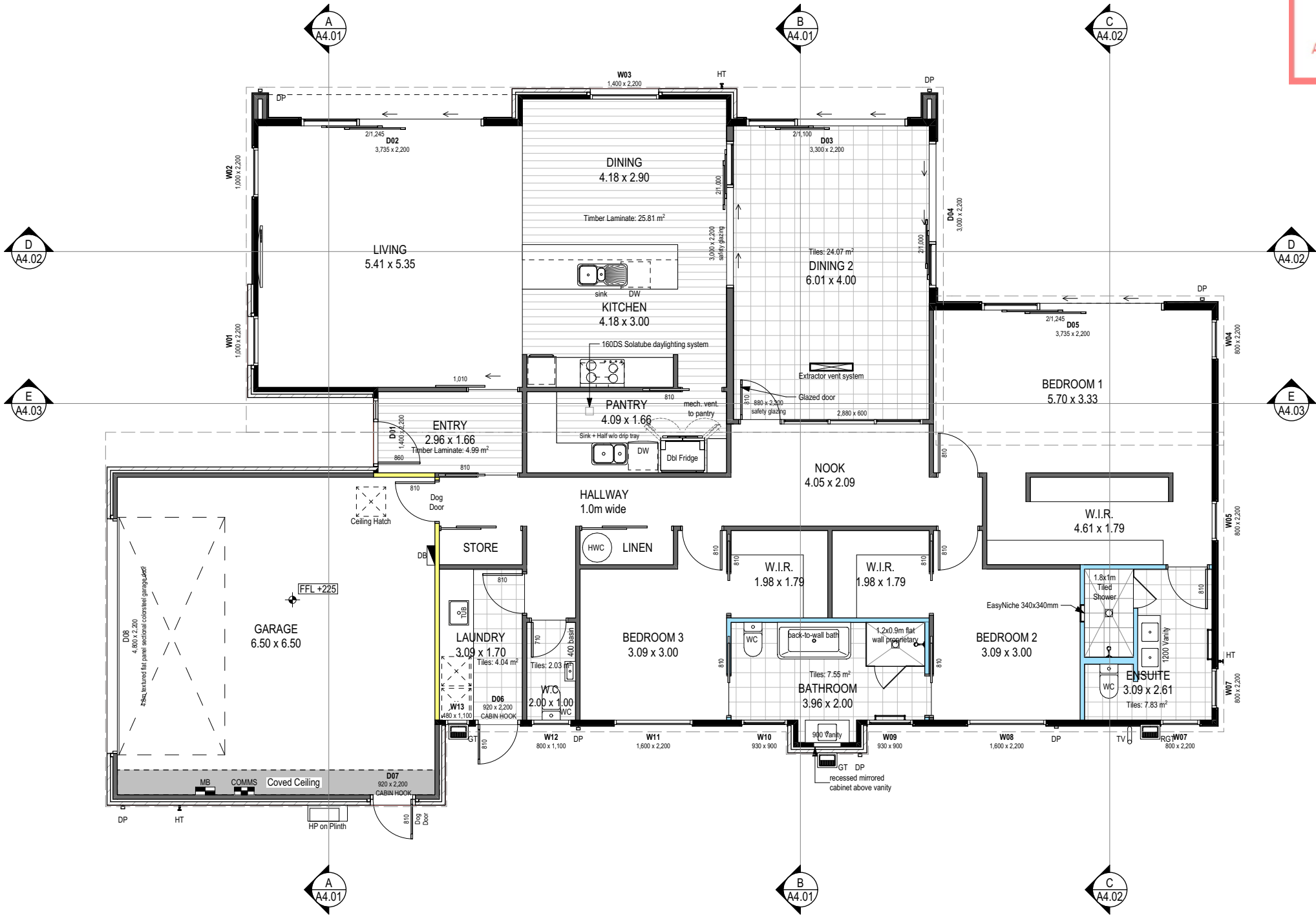
Downpipe

External Heat Pump

HT

DP

BC0426/22



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									VERSION: V9	CODE: 1	JOB # M0470	

GENERAL NOTES:

Ground Floor Area over Framing: 246.57 m²

Insulation: R2.6 Exterior walls (+ interior garage walls)  
R3.6 Ceiling (excluding garage)

Stud Heights: In High wind zone.

2455mm to underside of truss. 90x45mm SG8 @ 600mm crs max.  
140x45mm SG8 @ 600mm crs max

Dwangs: Unless noted - All Dwangs @ 800mm crs  
Dwangs by Wall Cladding Type: Vertical Oblique Weatherboards to have Dwangs @ 600crs

Framing to Tiled Walls: All tiled walls to have dwangs @ 600mm crs, studs at 400mm crs max.

Lintels: Window lintel height: 2200mm  
Internal door leaf height: Standard, unless noted otherwise

General Notes: All exterior window & door lintels by truss manufacturer  
Internal non-loadbearing walls to be SG8 graded.  
All dimensions to be confirmed on site.

Sizing of timber plates  
Bottom Plate 45mm thick, width to match stud. SG8, H1.2, Pinus Radiata  
Top Plate 45mm thick, width to match stud. Additional top plate  
35mm thick, 90mm wide if 90mm wall, 140mm wide if 140mm wall.  
SG8, H1.2, Pinus Radiata

FIXING SCHEDULE:

Joint: Fixing:  
Exterior Bottom plate to concrete floor: Pryda Bottom Plate Anchors with 75x4mm dia. concrete nails adjacent to anchor 70mm min from edge of slab. as per manufacturers specifications. @ 900mm crs. max as per NZS3604:2011. Refer to bracing plan for additional hold down fixings.

Interior bottom plate to concrete floor: 75 x 3.8mm shot fired fastenings with 16mm washers @ 600mm crs, within 150mm each end of plate.  
Refer to bracing plan for additional hold down fixings.

Stud to Top plate: 2/90 x 3.15 end nails + 2/wire dogs (Or Alternative 4.7kN Fixings). As per Table 8.18 NZS3604:2011

Stud to Bottom plate: Hand Driven 2/100 x 3.75mm end nails  
Power Driven 2/90 x 3.15mm end nails  
Hand Driven 2/100 x 3.75mm end nails  
Power Driven 2/90 x 3.15mm end nails

Dwang to stud: Hand Driven 4/60 x 2.8mm nails each side  
Power Driven 4/60 x 2.8mm nails each side  
Hand Driven 4/75 x 3.15mm nails  
Power Driven 4/75 x 3.06mm nails  
Hand Driven 2/100 x 3.75mm nails  
Power Driven 3/90 x 3.15mm nails

Fish plate to Straightened stud: Hand Driven 4/60 x 2.8mm nails each side  
Power Driven 4/60 x 2.8mm nails each side  
Hand Driven 4/75 x 3.15mm nails  
Power Driven 4/75 x 3.06mm nails  
Hand Driven 2/100 x 3.75mm nails  
Power Driven 3/90 x 3.15mm nails

Half Joint in top Plate: Hand Driven 4/75 x 3.15mm nails  
Power Driven 4/75 x 3.06mm nails  
Hand Driven 2/100 x 3.75mm nails  
Power Driven 3/90 x 3.15mm nails

Standard soffit stringer to stud: Hand Driven 2/100 x 3.75mm @ 500mm crs  
Power Driven 3/90 x 3.15mm @ 500mm crs

Double top plate to top plate: Hand Driven 2/100 x 3.75mm @ 500mm crs  
Power Driven 3/90 x 3.15mm @ 500mm crs

Lintel to trimming Stud: As Per Lumberlok Lintel Fixing Schedule (See Schedule at Rear of Drawing Set)

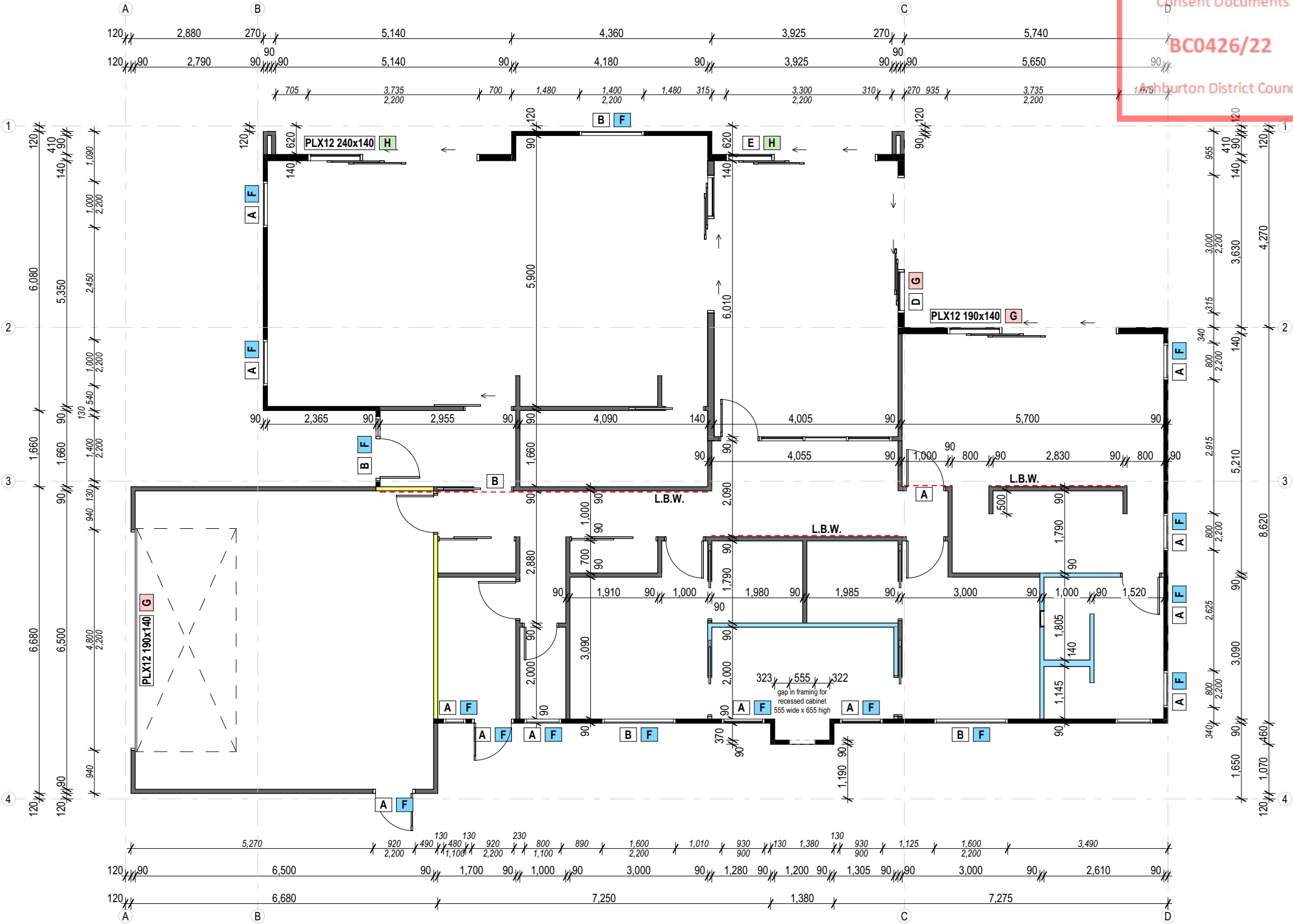
Sill trimmer to trimming stud for: As Per Lumberlok Lintel Fixing Schedule (See Schedule at Rear of Drawing Set)

Trimming studs together at openings, studs & blocking at wall intersections: As Per Lumberlok Lintel Fixing Schedule (See Schedule at Rear of Drawing Set)

Trimming Stud to Doubling Stud immediately under lintels: As Per Lumberlok Lintel Fixing Schedule (See Schedule at Rear of Drawing Set)

SCHEDULE OF FRAMING TIMBERS - GRADING AND TREATMENT

<b>Wall framing</b>		<b>Roof framing</b>	
Exterior walls & lintels	SG8, H1.2, Pinus radiata	Roof trusses - typical	SG8, H1.2, Pinus radiata
Interior walls (loadbearing)	SG8, H1.2, Pinus radiata	Gable end truss	SG8, H1.2, Pinus radiata
Interior walls (non-loadbearing)	SG8, H1.2, Pinus radiata	Coved or attic trusses	SG8, H1.2, Pinus radiata
		Purlins	SG8, H1.2, Pinus radiata
		Valley boards	SG8, H3.2, Pinus radiata
<b>Cavity battens:</b>		<b>Windows</b>	
Dry Cavity	SG8, H3.2, Pinus radiata	Framing and reveals	Dressed, H3.1, Pinus radiata
Wet Cavity	SG8, H3.2, Pinus radiata		



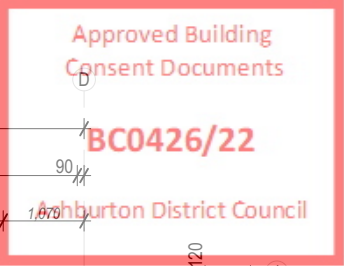
Lintel Sizes as per truss design, truss design to take precedence over these drawings.		Fixings as per Lumberlok Lintel Fixing Schedule. Refer Lumberlok Schedule attached.	
A	2/90x45mm SG8	E	1.4 kN
B	150x90 Hy90	F	4.0 kN
C	200x90 Hy90	G	7.5 kN
D	240x90 Hy90	H	13.5 kN
E	300x90 Hy90		

**KEY**

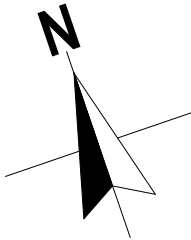
- Indicates insulated external wall (R2.6 batts)
- Indicates non-insulated wall
- Indicates insulated internal wall (R2.6 batts)
- Indicates wet area wall lining to internal wall

**L.B.W. = Load Bearing Wall**

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									<b>AMENDMENT DATE:</b> 31.05.22		<b>TECHNICIAN:</b> CM		<b>BASE PLAN:</b> CT5499		
									<b>VERSION:</b> V9		<b>CODE:</b> 1		<b>JOB #</b> M0470		







GENERAL NOTES:

**Roof Cladding:**  
12° pitch Colorsteel Five-rib with 150mm overhang (typical) over self supporting underlay on 70x45 H1.2 purlins depending on gauge @ 900mm crs on approved nail plate trusses @ 900 crs max. 185mm Colorsteel Fascia.

Proprietary Colorsteel spouting with concealed brackets @ 600mm crs max. fixed to Colorsteel fascia. (5,550mm² cross sectional area to spouting). With 75x50mm Colorsteel downpipes .

All roof penetrations shall be flashed as per NZBC E2/AS1 external moisture section 8.4 profiled metal roof cladding (8.4.17 Roof Penetrations) as shown in figure 53 & 54

All Flashings to be 0.55 BMT Colorsteel fixed in accordance with NZS3604:2011 and meeting the durability requirements of NZBC E2/AS1 Table 20,21,22

**Roof Framing:**  
All trusses to be designed & approved by a qualified truss manufacturer able to issue a producer statement prior to building consent approval, which shall guarantee satisfactory performance within the parameters of this design. The truss system design shall include bracing in accordance with NZS3604:2011.

Pitching height to be set at 2455mm above Ground Floor Level

FIXING NOTES:

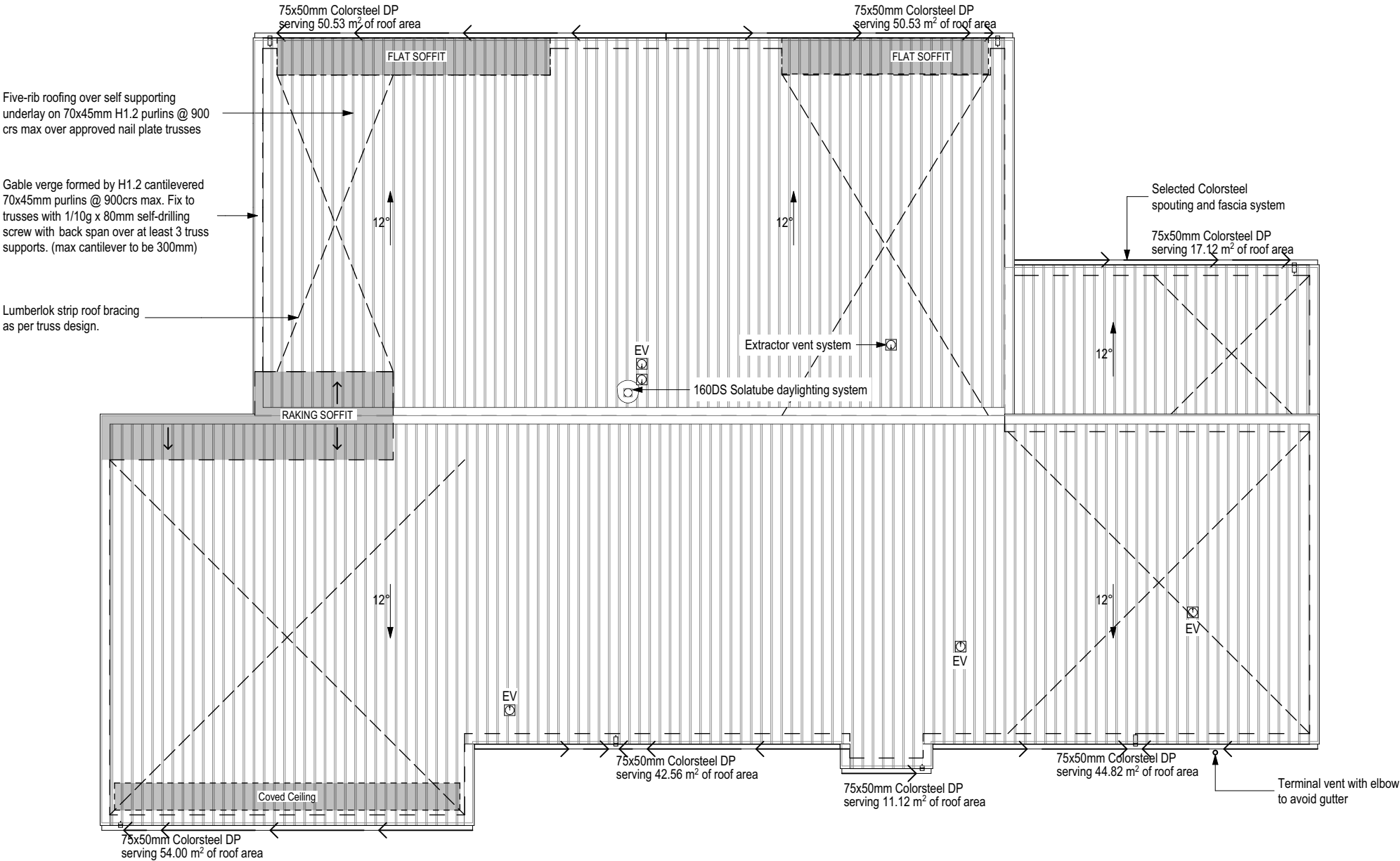
**Trusses to Top Plate**  
Selected nail plate trusses @ 900mm crs max. fixed to top plate as per truss design, or in accordance with NZS3604:2011 (2/90mm x 3.15mm skew nails plus 2/wire dogs. (Alt.fixing 4.7Kn))

**Cantilevered Purlins (Max 300mm Cantilever)**  
70x45mm H1.2 treated SG8 Cantilevered Purlins @ 900crs to gable verge to allow for up 300mm overhang/eave width. Cantilevered purlins to have back span of 3 trusses.

**Cantilevered purlins to be fixed as per NZS3604:2011**  
Fix to trusses with 1/10g x 80mm Self Drilling Screw

**Purlins**  
Purlins fixed to trusses with 1/10g x 80mm self-drilling screw.Top & bottom purlins shall be @ 600mm crs. (Extra High Wind zone) 1/14g Self Drilling Type 17 Screw, 100mm long

**Roof Bracing**  
Roof bracing to be 8.0kN diagonally opposed intersecting steel straps fixed to top chord & top plate as per truss manufacturer's design.



GENERAL KEY:

LUMBERLOK Strip roof bracing as per truss design:



Gutter Fall: → → →

Extract vent through roof: EV

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BRACING NOTES:

Where exterior ply bracing elements are used & not continued the entire length of the wall, allow to pack out the rest of the cavity battens to achieve an even straight-through cavity for the selected cladding.

Refer to supporting documents for Ecoply fixing requirements. Treatment to be a minimum of H3.2.

Reading the Bracing Plan:

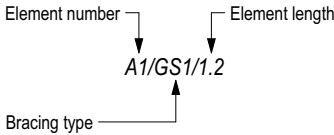
- GS1-N

0.4m min. length.  
Any 10mm or 13mm GIB Standard Plasterboard fixed to one side only
- BL1-H

0.4m min. length.  
10mm or 13mm GIB Braceline fixed to one side only
- BLP-H

0.4m min. length.  
10mm or 13mm GIB Braceline fixed internally  
plus min. 7mm structural plywood manufactured to AS/NZS 2269.0:2012 externally  
Framing hold downs
- EP1

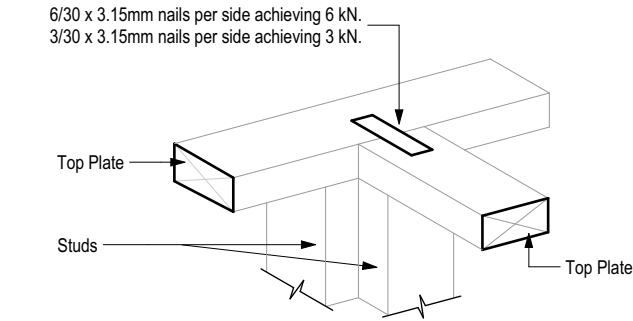
0.4m min. length.  
7mm min Ecoply fixed externally  
Framing hold downs



**Openings in Bracing Elements** (as per GIB EzyBrace System)

**Small openings**  
Small openings (e.g. power outlets) of 90 x 90mm or less may be placed no closer than 90mm to the edge of the braced element. A block may need to be provided alongside the perimeter stud.

**Large openings**  
Openings above 90 x 90mm such as switch boards, recessed cabinets and TV's etc. should be placed outside of the bracing element or locate bracing on the other side of the wall framing.



**CONNECTING TOP PLATES TO EXTERNAL WALLS - WALLS CONTAINING BRACING**

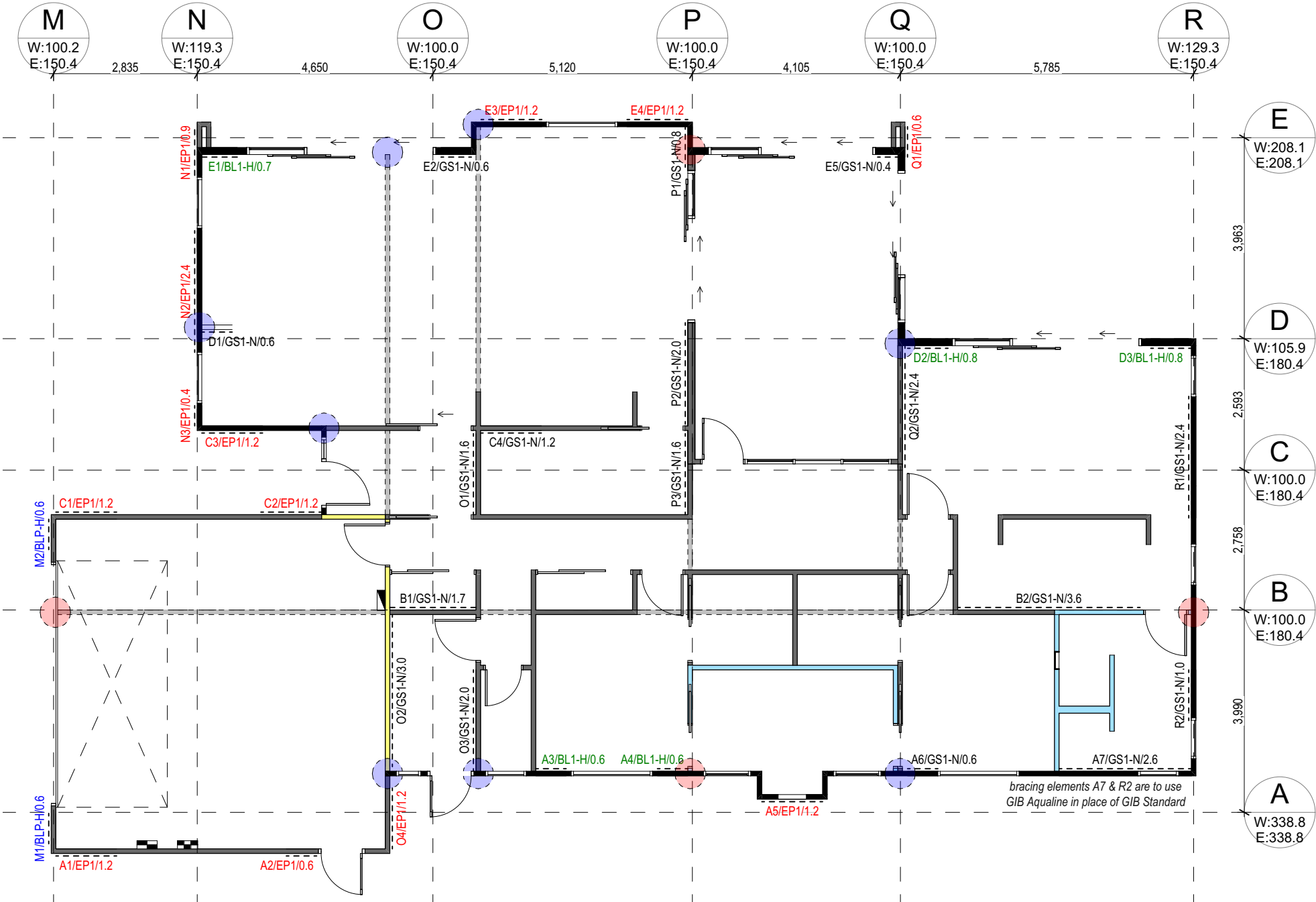
**Note:** "Each wall that contains one or more wall bracing elements shall be connected at the top plate level, either directly, or through a framing member in the line of the wall, to external walls at right angles to it. Top plate fixing(s) of the capacity in tension or compression along the line of the wall bracing element are given as follows:

- (a)

For each wall containing wall bracing elements with a total bracing capacity of not more than 125 bracing units: to at least one such external wall by a fixing as shown in figure 8.16 of 6 kN capacity;  
shown as:
- (b)

For each wall containing wall bracing elements with a total bracing capacity of not more than 250 bracing units: to at least 2 external walls by fixings as shown in figure 8.16 each of 6 kN capacity;  
shown as:
- (c)

For each wall containing wall bracing elements with a total bracing capacity of more than 250 bracing units: to at least 2 external walls by fixings as shown in figure 8.16 each having a rating of not less than 2.4 kN per 100 bracing units."




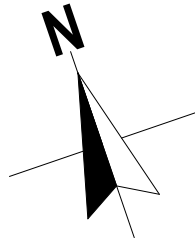
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Approved Building  
Consent Documents

BC0426/22

Ashburton District Council

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ELECTRICAL NOTES

- Allow for single switched power point for standard appliances: Fridge, Dishwasher, Waste Disposal, Rangehood, Hob, Oven, Refer to kitchen design for layout and positions of kitchen area sockets etc. All power points are indicative only and must be positioned and confirmed on site by architect and/or owner.

- All electrical installations to be in accordance with G9/AS1.

- Mesh in floor slab must be earthed, earth with 16mm REO rod brought up into garage wall below meterbox and wired to the mesh. At prewire, connect a clamp and piece of wire to rod and earth it to the meterbox.

- Where downlights are to be installed, only CA 80, CA 135, IC or IC-F downlights are permitted in private or rental dwellings. (Note that IC downlights can only be used with insulation that passes the needle flame test of AS/NZS 60598 2.2 clause 11.5). Recessed downlights that are not labelled as above are not permitted to be installed into residential buildings.

- Total of 20 lux of illuminance for the total wattage required per m2 of floor area as shown in NZBC G8 / AS1 Table 1.

- Lighting and electrical by others, all positions and types to be selected and confirmed by client with contractor unless noted otherwise.

- Mechanical ventilation in housing removing moisture shall be vented outside (includes wet areas & cooker hoods).Refer to NZBC G4/AS1 1.3.3 (a&b), Mechanical Ventilation to be 150 dia. 230 Cu M/H inline fan ducted to soffit. Auto extractor fans shall terminate through roof with an extraction rate as set out in NZBC G4.

- All smoke alarms are to comply with NZBC F7 and be manufactured to at least one of: AS 3786, ISO 12239 or BS EN 14604, Required within 3m of all sleeping areas, change in level & entry/exits as per NZS 4514 & BRANZ Bulletin No 606

-Downlights shall be CA80 check the insulation manufacturers instructions to ensure their product is safe when installed along side proposed downlights

GENERAL PLACEMENT NOTES

- Power points typically 300mm from nearest corner & 300mm from FFL unless otherwise noted.

- Power points in wet areas to be 1,200mm high from FFL and vertically fixed unless otherwise noted.

-Power point for heater to be located 300mm below finished ceiling level

-Power points in kitchen to be 1000mm high from FFL

- Light switches typically 150mm from nearest corner or door frame & 1,200mm from FFL unless otherwise noted.

-HWC switch 300mm above FFL

-Laundry Power Point 1000mm above FFL

NZBC G4/AS1 Ventilation			5% min
Room	Room Area	Opening Area (Ventilation)	Ventilation %
Liv/ Din/ Kit	52.43	8.38	15.98%
Bedroom 1	27.65	7.13	25.79%
Bedroom 2	10.06	1.09	10.83%
Bedroom 3	10.06	1.09	10.83%
Covered Area	24.07	10.28	42.71%
Entry	4.91	1.84	37.47%
Ensuite	7.79	1.02	13.09%
Bathroom	8.48	1.36	16.04%
WC	2.00	0.72	36.00%

NZBC G7/AS1 Natural Light			10% min
Room	Room Area	Opening Area (Glazed)	Glazing %
Liv/ Din/ Kit	52.43	11.82	22.54%
Bedroom 1	27.65	8.47	30.63%
Bedroom 2	10.06	2.94	29.22%
Bedroom 3	10.06	2.94	29.22%
Covered Area	24.07	9.35	38.85%
Entry	4.91	0.78	15.89%
Ensuite	7.79	2.72	34.92%
Bathroom	8.48	1.20	14.15%
WC	2.00	0.63	31.50%

Approved Building Consent Documents

Meterboard / Earth

Distribution Board

Communications Panel

Smoke Detector

Hot Water Cylinder

Heated Towel Rail

Bathroom Heater

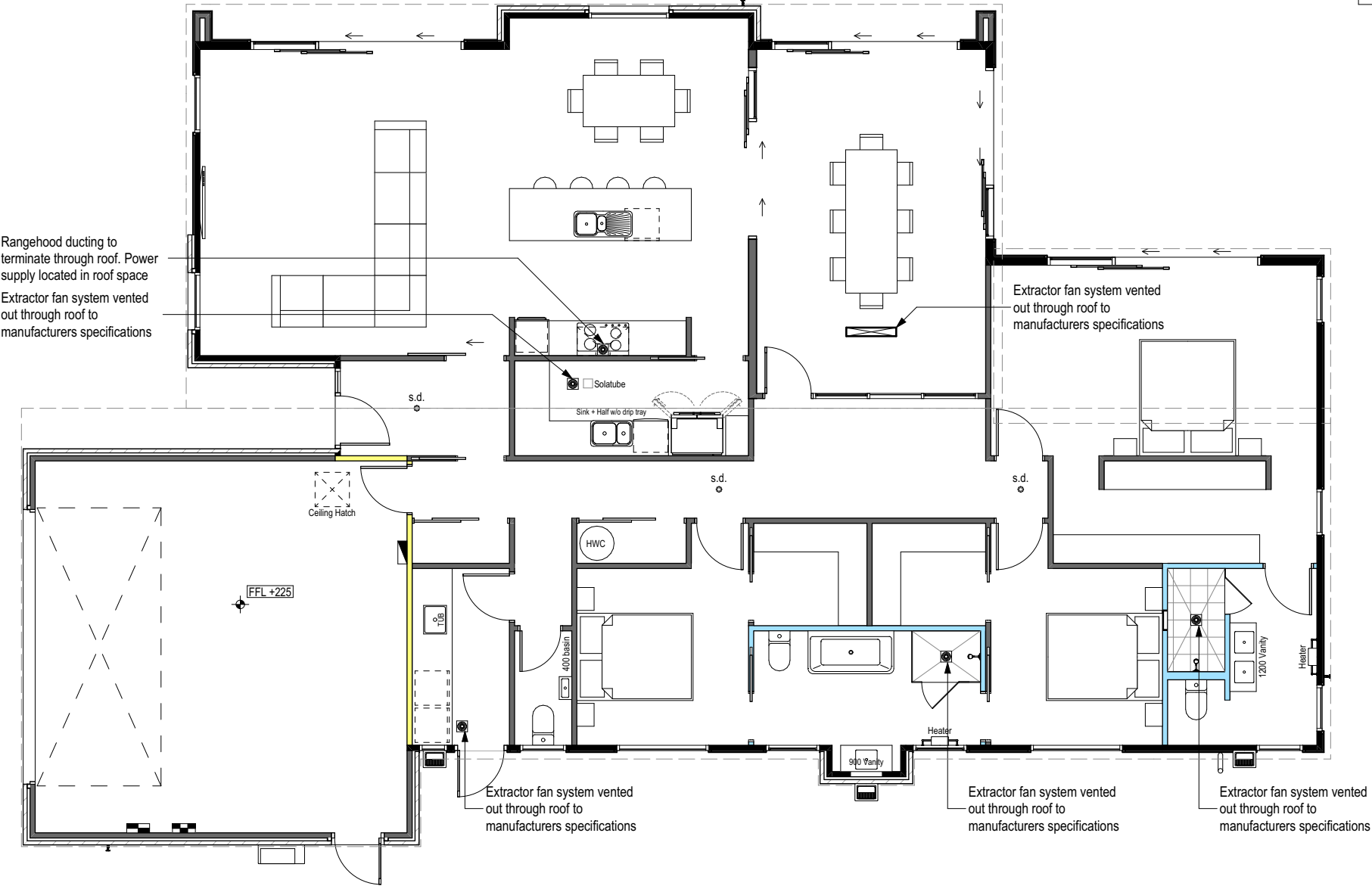
Mechanical Vent / Ducting

Extract Grille

External Heat Pump Unit

BC0426/22

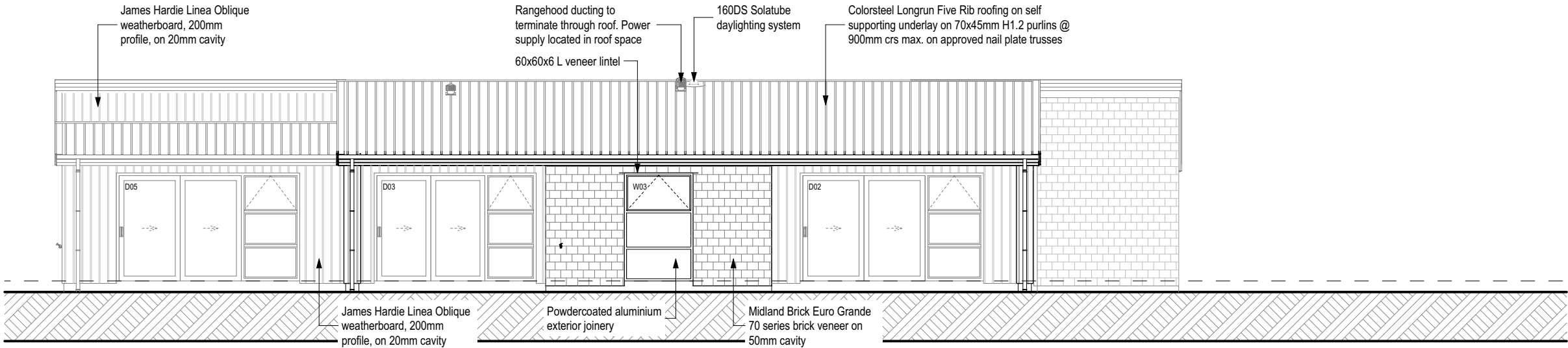
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NOTE:  
House to be wired for alarm with key pad at entrance (pre-wire only)

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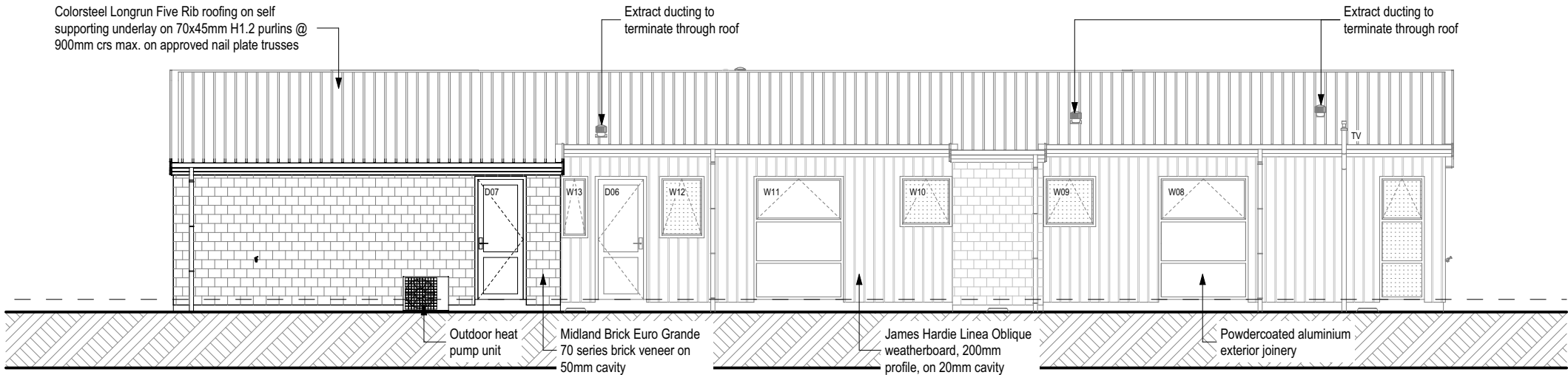




North Elevation

SCALE 1:100 @A3

BUILDING ENVELOPE RISK MATRIX		
North Elevation		
Risk Factor	Risk Severity	Risk Score
Wind zone (per NZS 3604)	High risk	1
Number of storeys	Low risk	0
Roof/wall intersection design	Very high risk	5
Eaves width	High risk	2
Envelope complexity	Medium risk	1
Deck design	Low risk	0
Total Risk Score:		9



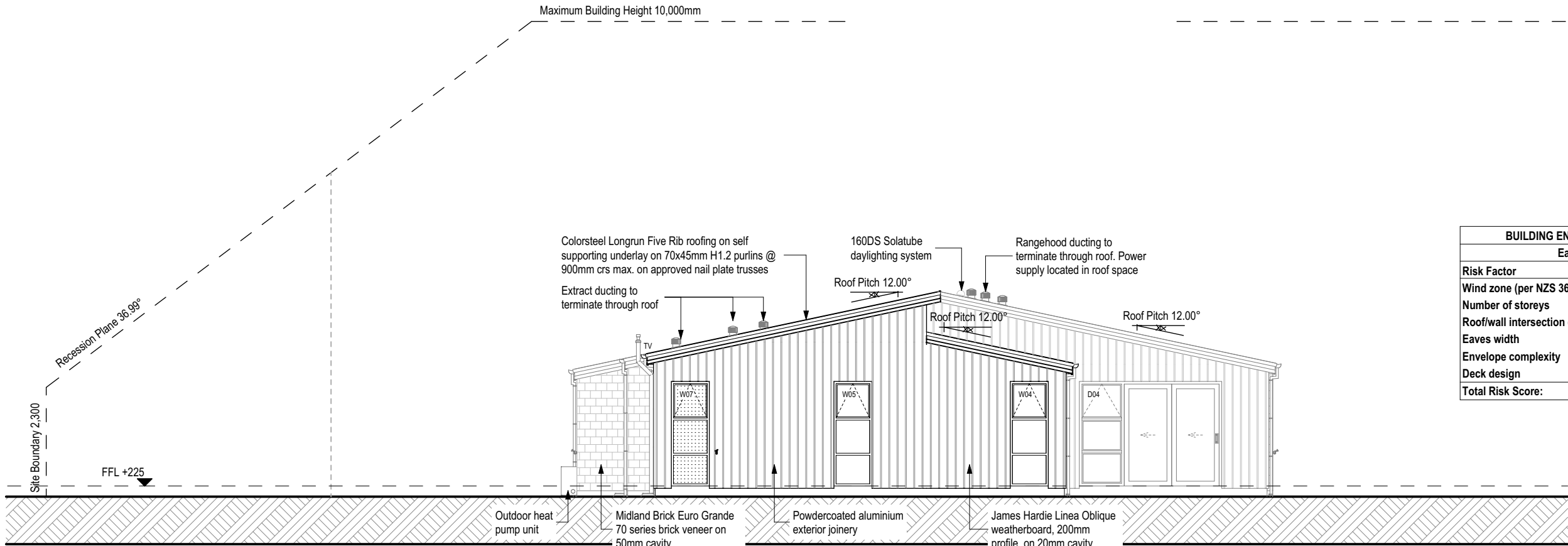
South Elevation

SCALE 1:100 @A3

BUILDING ENVELOPE RISK MATRIX		
South Elevation		
Risk Factor	Risk Severity	Risk Score
Wind zone (per NZS 3604)	High risk	1
Number of storeys	Low risk	0
Roof/wall intersection design	Medium risk	1
Eaves width	High risk	2
Envelope complexity	Medium risk	1
Deck design	Low risk	0
Total Risk Score:		5

**GLAZING NOTES:**  
Glazing and glazed openings to comply with NZS 4223.3:2016 Glazing in buildings - Part 3: Human impact safety requirements, NZS 4211:2008: Specification for performance of windows and New Zealand Building Code Clauses: F2 Hazardous Building Materials & F4: Safety from Falling.

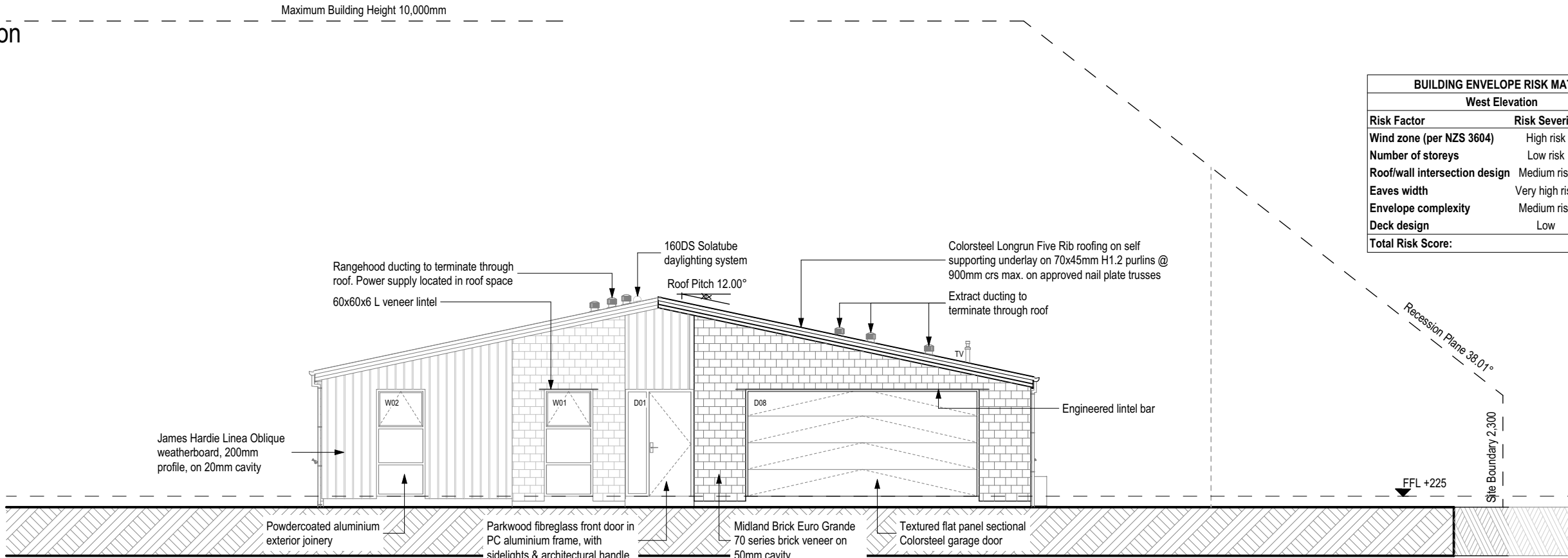
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						VERSION: V9	CODE: 1	



BUILDING ENVELOPE RISK MATRIX		
East Elevation		
Risk Factor	Risk Severity	Risk Score
Wind zone (per NZS 3604)	High risk	1
Number of storeys	Low risk	0
Roof/wall intersection design	Very high risk	5
Eaves width	Very high risk	5
Envelope complexity	Medium risk	1
Deck design	Low risk	0
Total Risk Score:		12

## East Elevation

SCALE 1:100 @A3



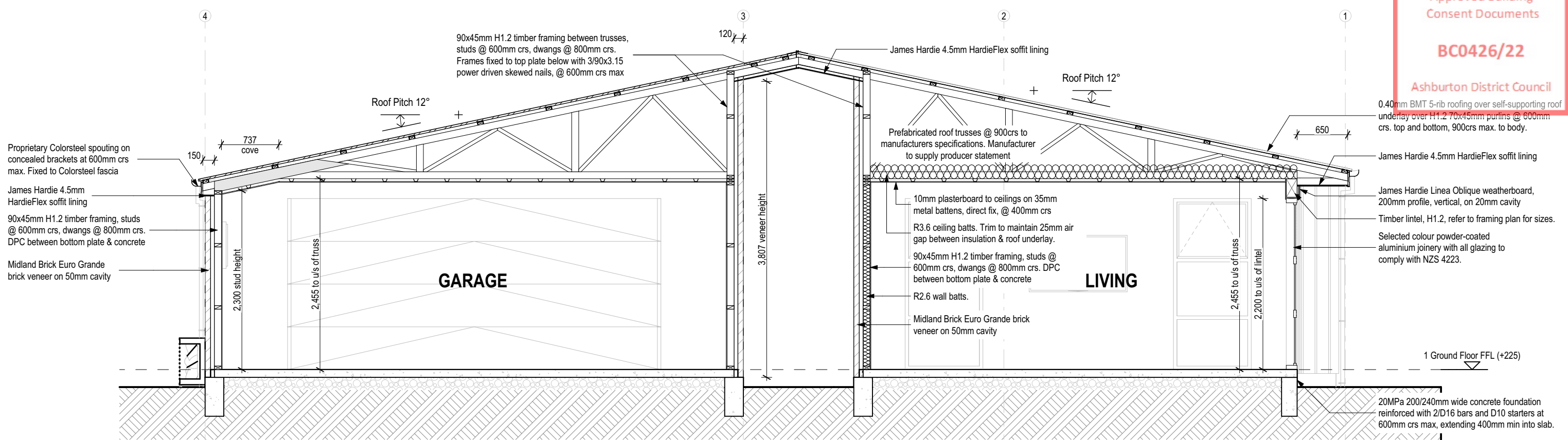
BUILDING ENVELOPE RISK MATRIX		
West Elevation		
Risk Factor	Risk Severity	Risk Score
Wind zone (per NZS 3604)	High risk	1
Number of storeys	Low risk	0
Roof/wall intersection design	Medium risk	1
Eaves width	Very high risk	5
Envelope complexity	Medium risk	1
Deck design	Low	0
Total Risk Score:		8

## West Elevation

SCALE 1:100 @A3

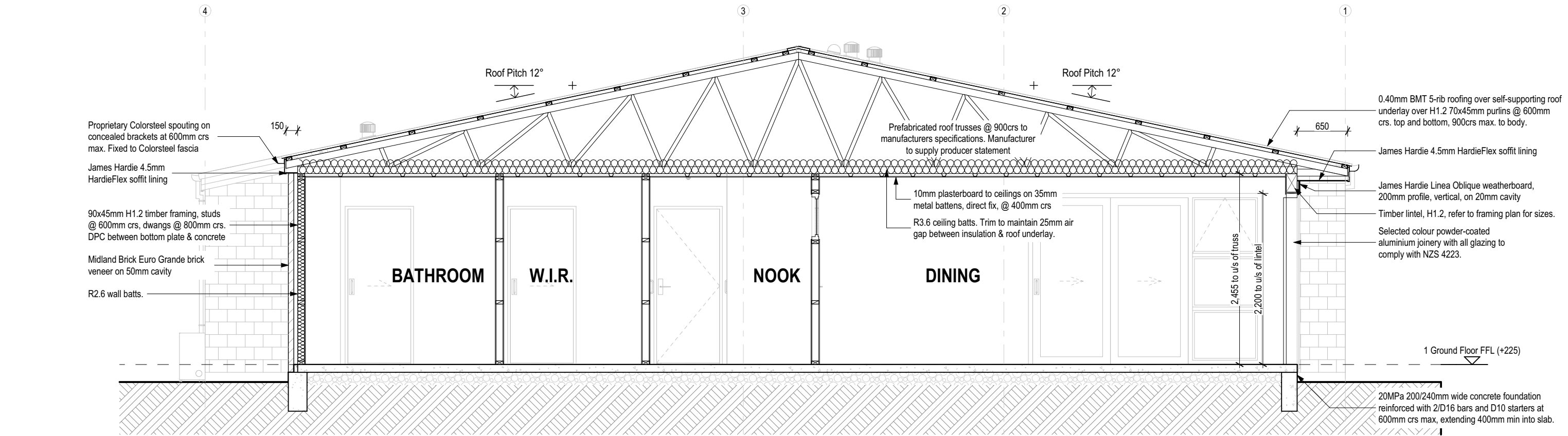
**GLAZING NOTES:**  
Glazing and glazed openings to comply with NZS 4223.3:2016 Glazing in buildings - Part 3: Human impact safety requirements, NZS 4211:2008: Specification for performance of windows and New Zealand Building Code Clauses: F2 Hazardous Building Materials & F4: Safety from Falling.

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Section A

SCALE 1:50 @A3

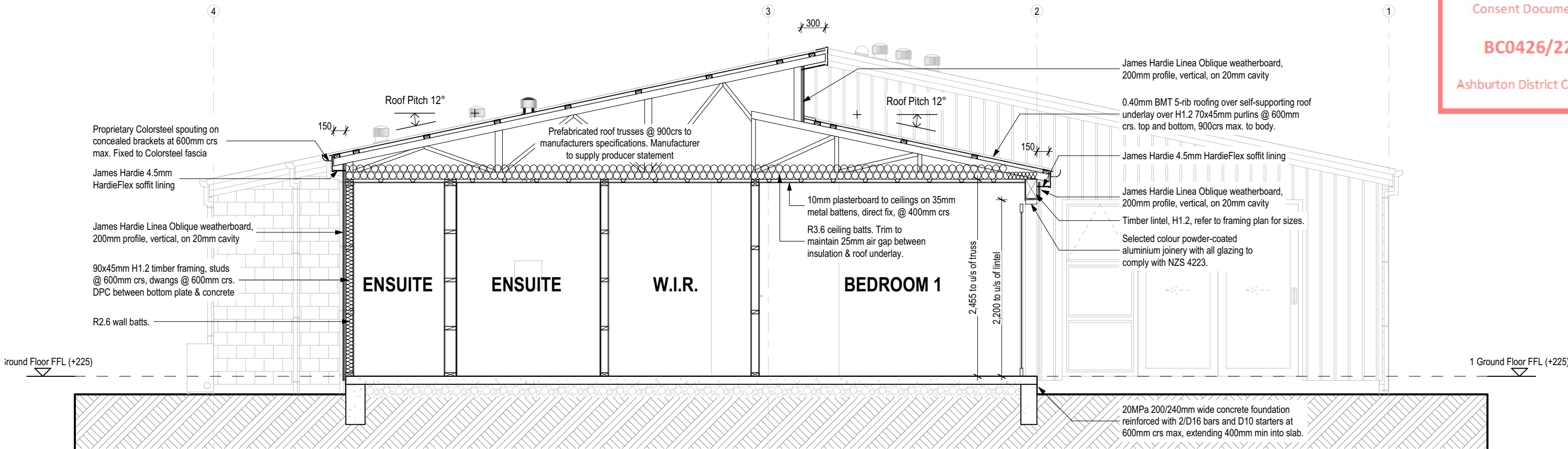


Section B

SCALE 1:50 @A3

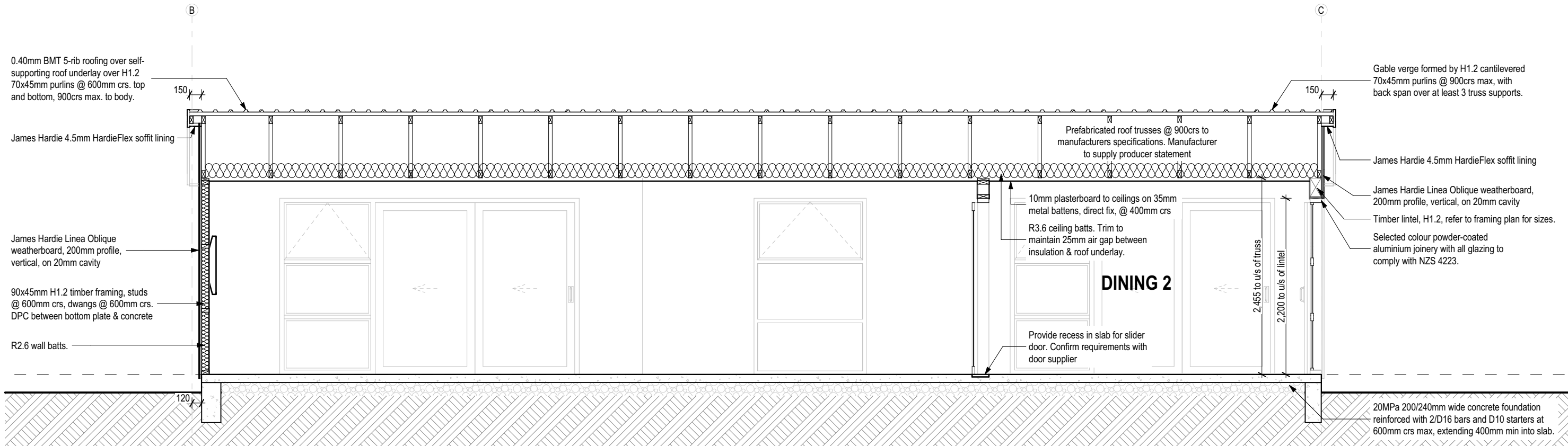
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Section C

SCALE 1:50 @A3

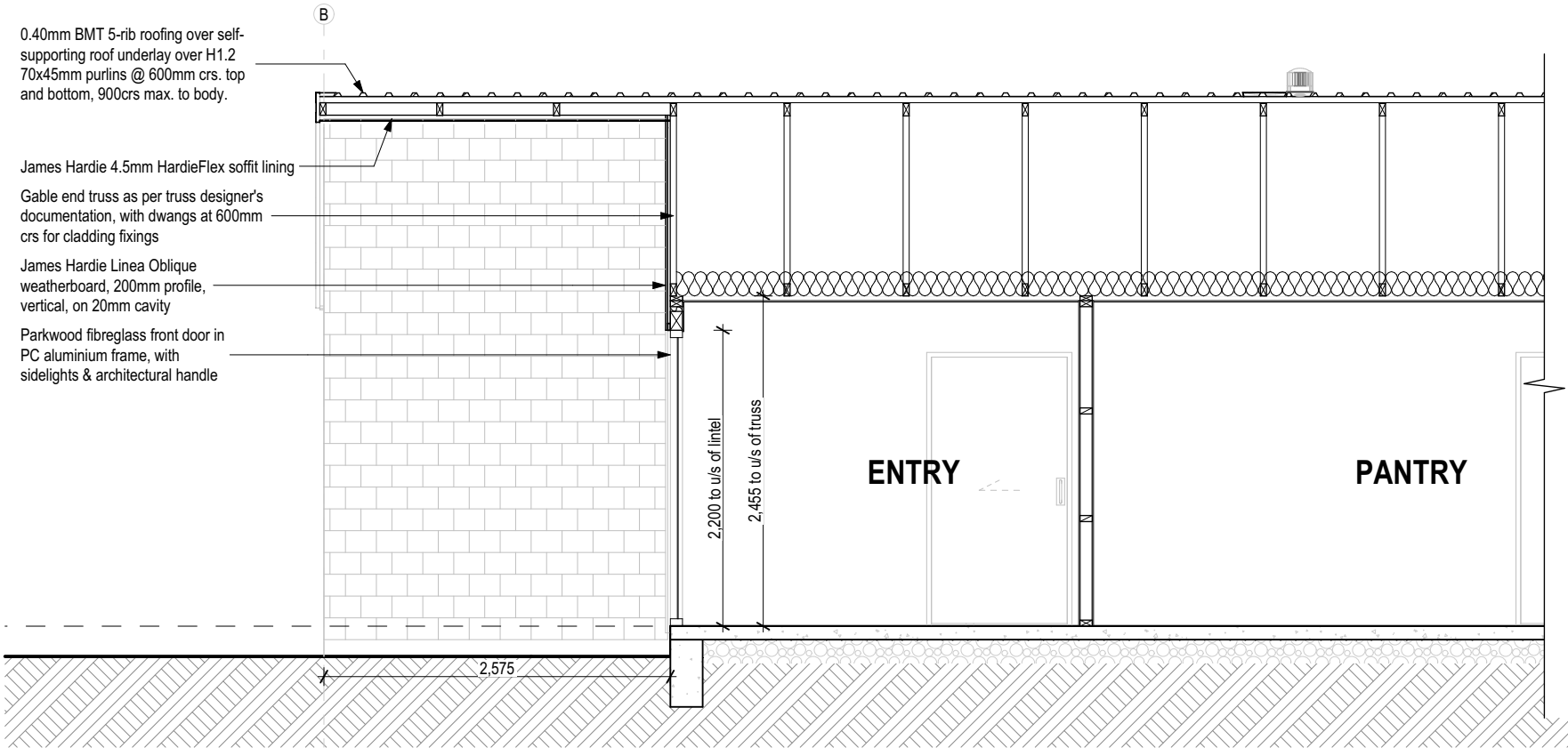


Section D

SCALE 1:50 @A3

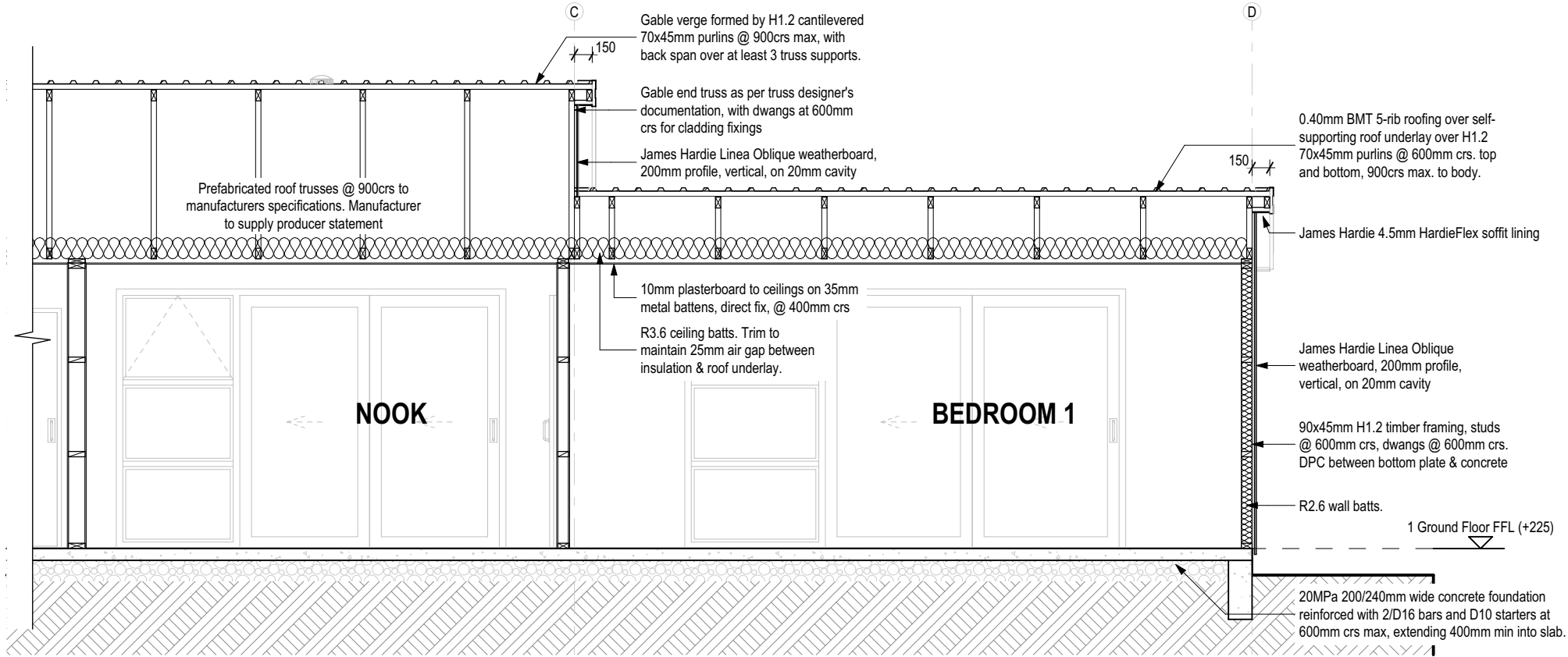
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## Section E

SCALE 1:50 @A3



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									VERSION: V9	CODE: 1	JOB # M0470	

Drain pipe through slab to be sleeved in uPVC pipe with hessian or similar packing to fill void between.

Pipes under floor slabs to be wrapped with hessian cloth or similar to protect against damage from movement.

Refer to drainage plans for pipe sizes and gradients.

All drains under floor slab to be:  
-50mm min clearance from underside of floor slab.  
-laid straight with even gradient along length of drain.

Width of trench to be pipe diameter plus 200mm with drain located centrally.

Drain pipe through foundation wall to be sleeved in uPVC pipe with hessian or similar packing to fill void between.

Refer to drainage plans for pipe sizes and gradients.

Pipes under floor slabs to be wrapped with hessian cloth or similar to protect against damage from movement.

Compacted granular bedding and surround, base bedding compacted prior to laying pipes.

Drains through foundation wall to be placed to avoid interference with reinforcing steel layout, drains not to pass through foundation walls at any angle greater than 45°.

Concrete slab internal corner.

Note:  
- Bars to be below the mesh or equivalent  
- No Bars to be laid across a control joint

Note: only required where a shrinkage control (saw cut or proprietary crack former) doesn't meet an internal corner

Supplementary reinforcing to floor slab internal corners

## Slab Penetration

N.T.S.

H1.2 treated 90x45mm SG8 framing  
Refer to framing plan for additional sizes

Bottom plate hold downs shall be Pryda Bottom Plate Anchors with 75 x 4mm dia. concrete nails adjacent to anchor 70mm min from edge of slab. as per manufacturers specifications. @ 900mm crs. max as per NZS3604:2011. Refer to supporting documents for further hold down requirements relating to each individual bracing element. DPC between all timber & concrete.

Selected skirting board

100mm concrete floor slab

Selected approved reinforcing mesh grade 500E to top 1/3

D10 starters @ 600mm crs. tied to D16 longitudinal bars & lapped 400mm with mesh

0.25mm thick polythene DPM

25mm sand blinding

AP40 compacted hard fill shall be placed and compacted in 150mm max. layers. 75mm min or 600mm max. depth

D16 longitudinal bars top and bottom of foundation as shown.  
Min cover to boxing 50mm,  
Min cover to ground 75mm.

Solid Bearing

Ensure foundation dimensions comply with Soil Report

240mm min.

70 series brick veneer cladding over 50mm cavity with proprietary brick ties @ 600 horizontal crs and 400 vertical crs max.

-Ties not more than 300mm or 2 courses from top and bottom of openings which ever is smaller,  
-Ties at the sides of the openings or at an unsupported edge shall be not be more than 300mm crs

Ties shall be installed as per NZS4210 requirements

Building wrap to all exterior framing.

70mm weep holes @ 800mm max. evenly spaced over bottom course. Ties shall be placed on every 2nd course @ 600mm crs. horiz.

Mortar fillet angled to direct water to outside edge of foundation.

Note:  
2 coats of bituminous liquid (Mulseal or similar) to brick rebate.

Concrete floor slab & foundation.

NGL

300mm min  
or to Good Ground

150mm min to unpaved ground  
100mm min to paved ground

25mm min. to unpaved ground  
100mm min. to paved ground

## 70 Series Brick - Foundation

SCALE 1:5 @A3

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Tower 2, 7 Deans Avenue, Addington, Christchurch 8011  
www.mikegreerhomes.co.nz

JOB TITLE:

**MIKE GREER HOMES For Kelvin & Sharon Inch**

DRAWING TITLE:

**Details: Foundation**

LEGAL DESCRIPTION:

LOT: 7 DP: TBC

Meadowlands Green  
Meadowlands  
Ashburton

LEGAL NOTES:

1. Subject to council approval  
2. All measurements to be confirmed on site by the contractor prior to the commencement of work

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DATE OF ISSUE:

08.12.21

AMENDMENT DATE:

31.05.22

DESIGNER:

NM

TECHNICIAN:

CM

VERSION:

V9

SCALE:

1:20, 1:5

BASE PLAN:

CT5499

JOB #

M0470

SHEET:

**A5.01**

## Supplementary Reinforcing

SCALE 1:20 @A3

Bottom plate hold downs shall be Pryda Bottom Plate Anchors with 75 x 4mm dia. concrete nails adjacent to anchor 70mm min from edge of slab. as per manufacturers specifications. @ 900mm crs. max as per NZS3604:2011. Refer to supporting documents for further hold down requirements relating to each individual bracing element. DPC between all timber & concrete.

Selected skirting board

100mm concrete floor slab

Selected approved reinforcing mesh grade 500E to top 1/3

D10 starters @ 600mm crs. tied to D16 longitudinal bars & lapped 400mm with mesh

0.25mm thick polythene DPM

25mm sand blinding

AP40 compacted hard fill shall be placed and compacted in 150mm max. layers. 75mm min or 600mm max. depth

D16 longitudinal bars top and bottom of foundation as shown.  
Min cover to boxing 50mm,  
Min cover to ground 75mm.

H1.2 treated 90x45mm SG8 framing, refer to framing plan for additional sizes

Building wrap to all exterior framing.

Linea Oblique Weatherboard fixed in accordance with manufacturers specifications.

James Hardie horizontal cavity battens

James Hardie vent strip to provide 1,000mm² of ventilation per lineal metre of wall.

15mm

50mm

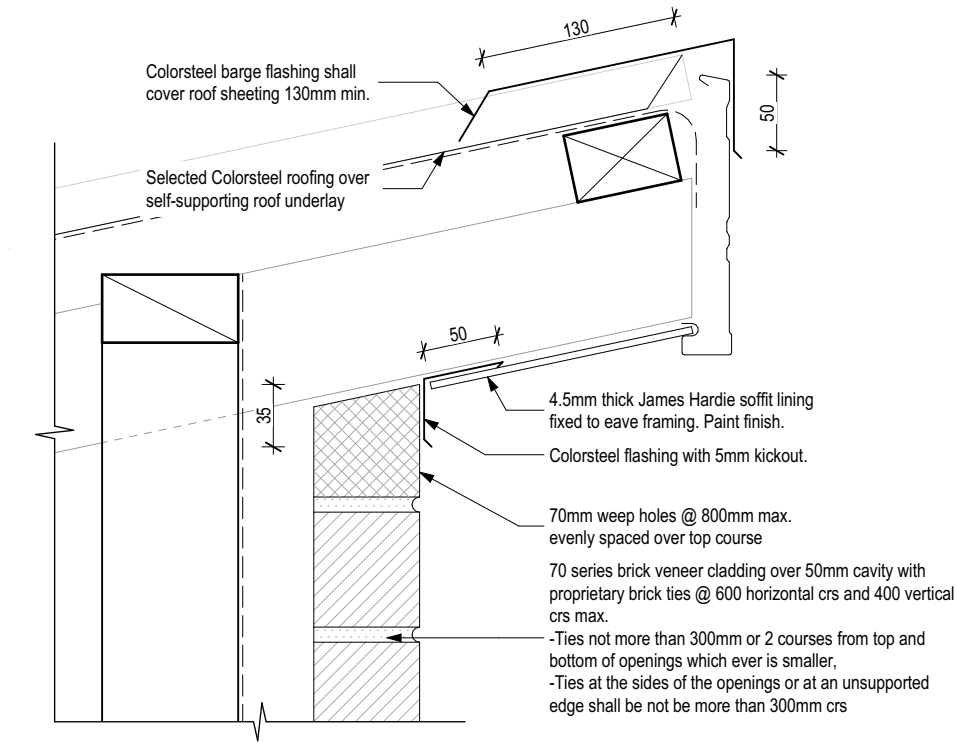
225mm min to unpaved ground  
150mm min to paved ground

FGL

300mm min  
to good ground

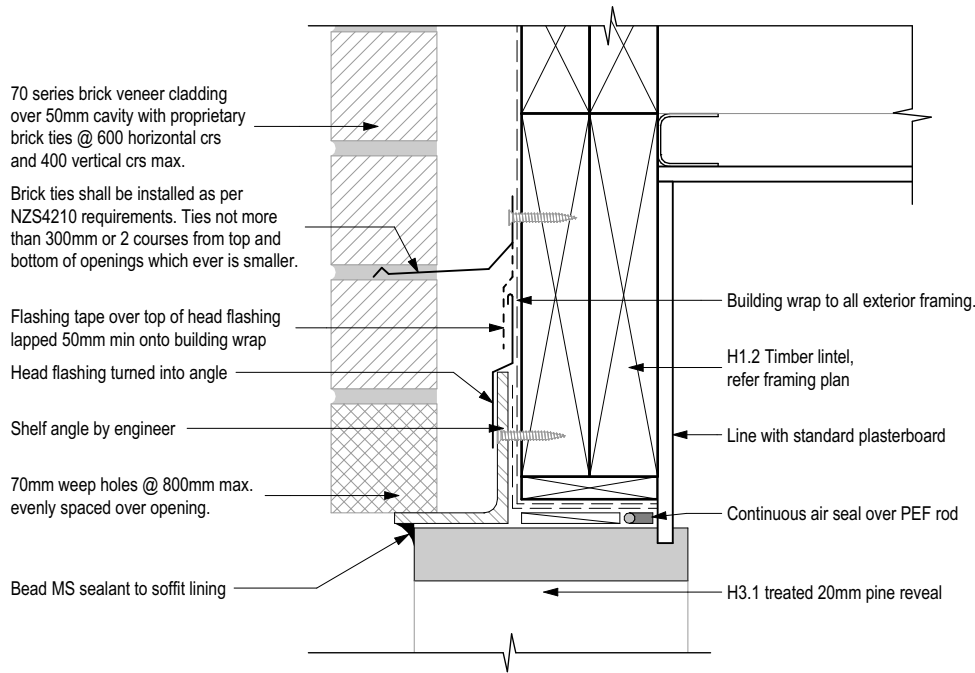
## Vertical Weatherboards - Foundation

SCALE 1:5 @A3



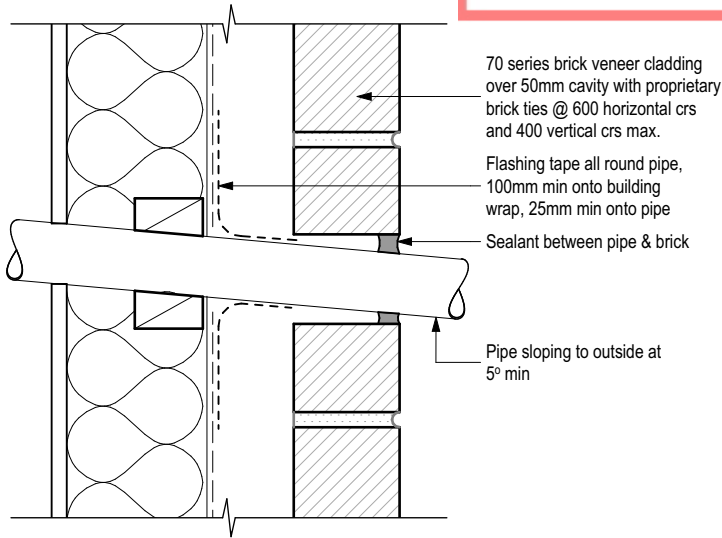
### 70 Series Brick - Raking Soffit

SCALE 1:5 @A3



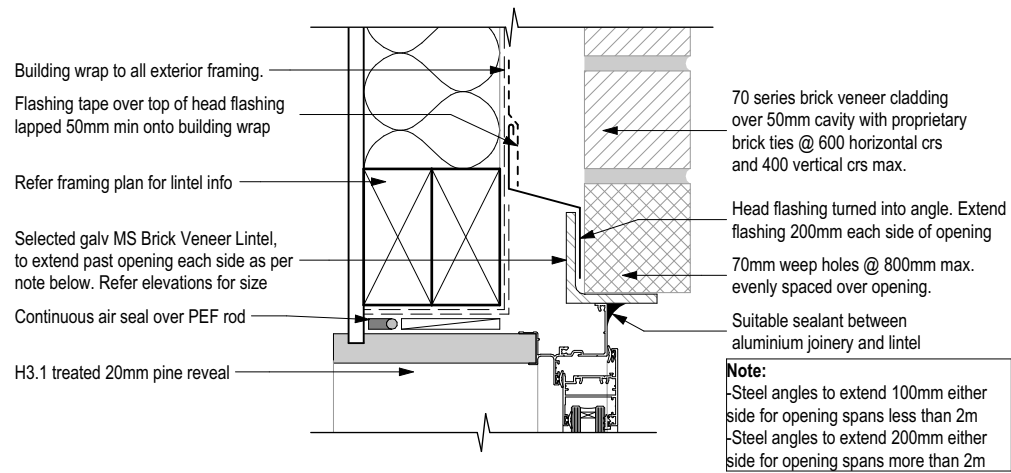
### 70 Series Brick - Garage Door Head

SCALE 1:5 @A3



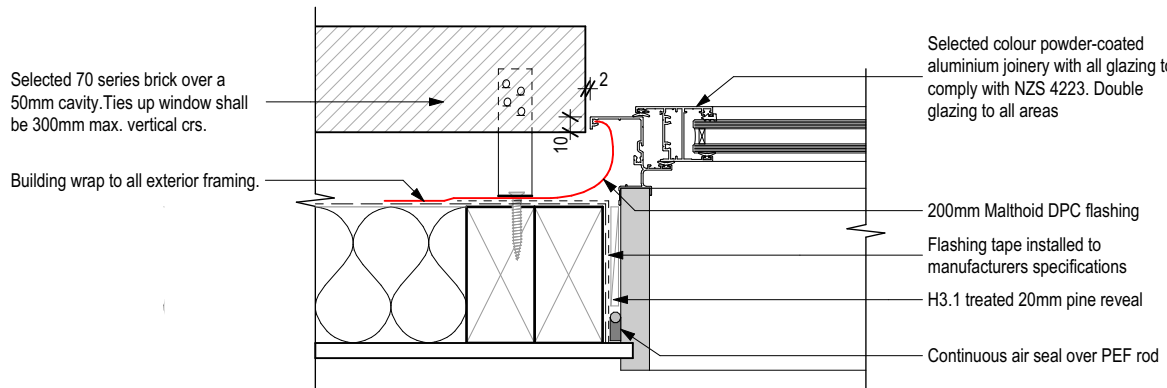
### 70 Series Brick - Pipe Penetration

SCALE 1:5 @A3



### 70 Series Brick - Window Head Detail

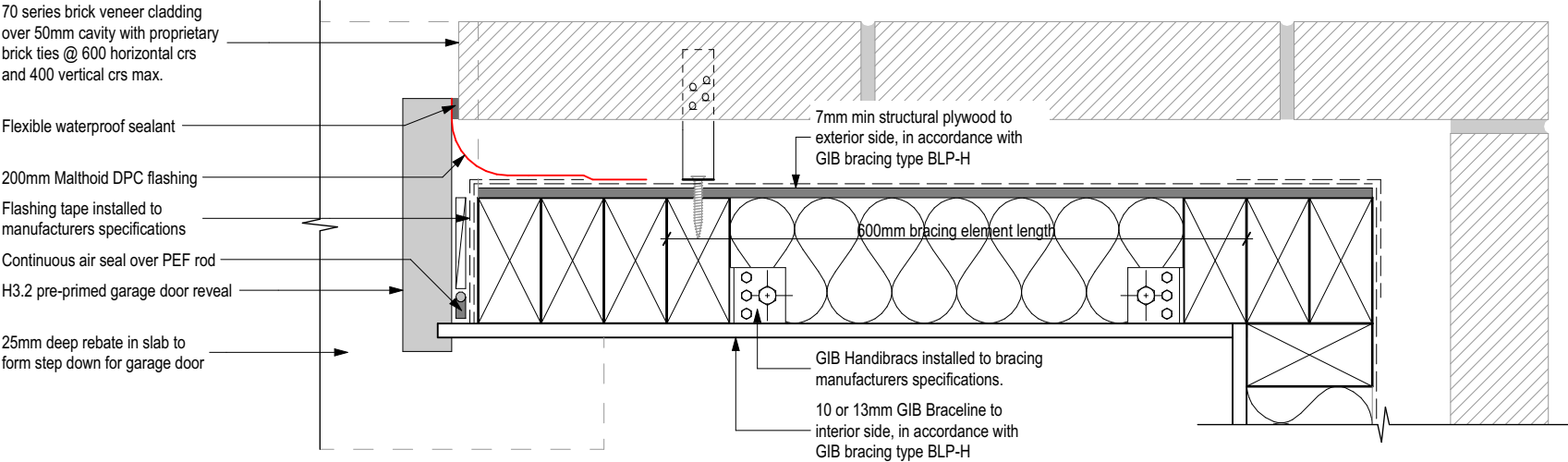
SCALE 1:5 @A3



### 70 Series Brick - Window Jamb Detail

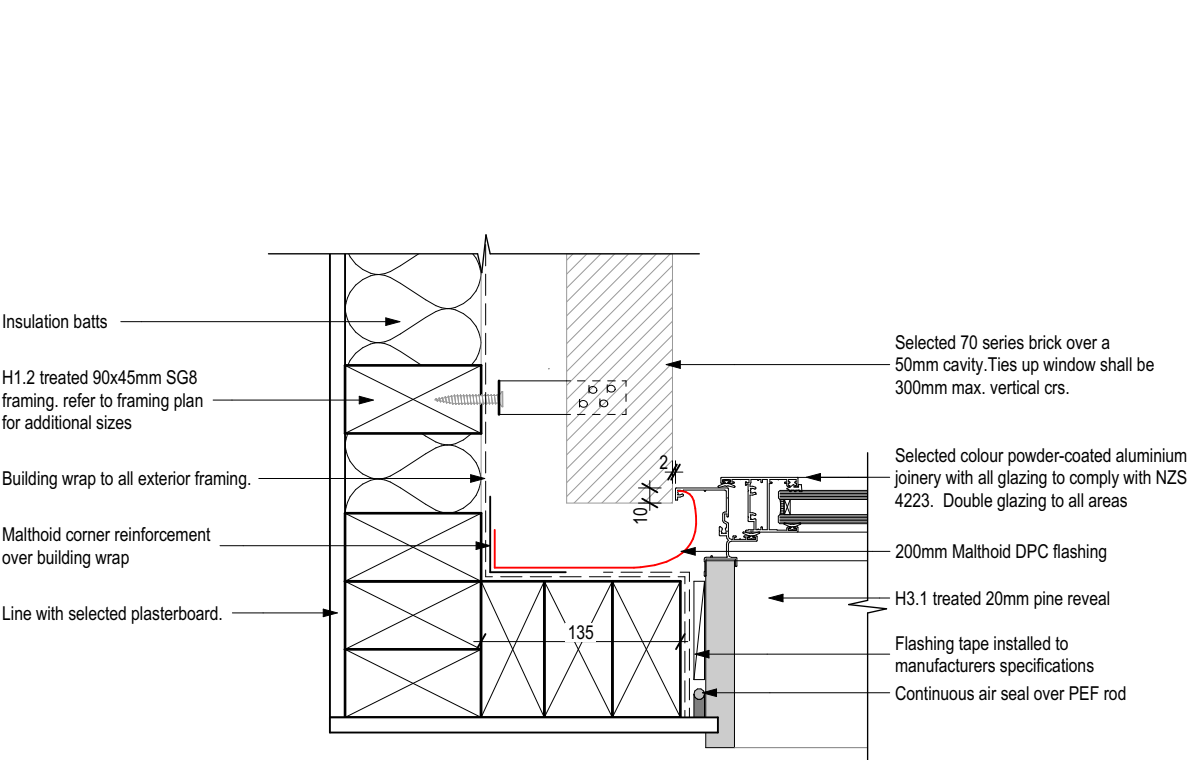
SCALE 1:5 @A3

 <b>mikegreerhomes</b> © Mike Greer Homes NZ Ltd (03) 354 0166   0800 mikegreer Tower 2, 7 Deans Avenue, Addington, Christchurch 8011 www.mikegreerhomes.co.nz	JOB TITLE: <b>MIKE GREER HOMES For Kelvin &amp; Sharon Inch</b>		DRAWING TITLE: <b>Details: Brick Veneer</b>		LEGAL DESCRIPTION: LOT: 7 DP: TBC  Meadowlands Green Meadowlands Ashburton		LEGAL NOTES: 1. Subject to council approval 2. All measurements to be confirmed on site by the contractor prior to the commencement of work  © 2022 Mike Greer Homes NZ Limited. All rights reserved. No part of this work covered by copyright may be reproduced or copied in any form or by any means without the written permission of Mike Greer Homes NZ Limited		DATE OF ISSUE: 08.12.21	DESIGNER: NM	SCALE: 1:5	<b>A5.02</b>
									AMENDMENT DATE: 31.05.22	TECHNICIAN: CM	BASE PLAN: CT5499	
									VERSION: V9	CODE: 1	JOB # M0470	



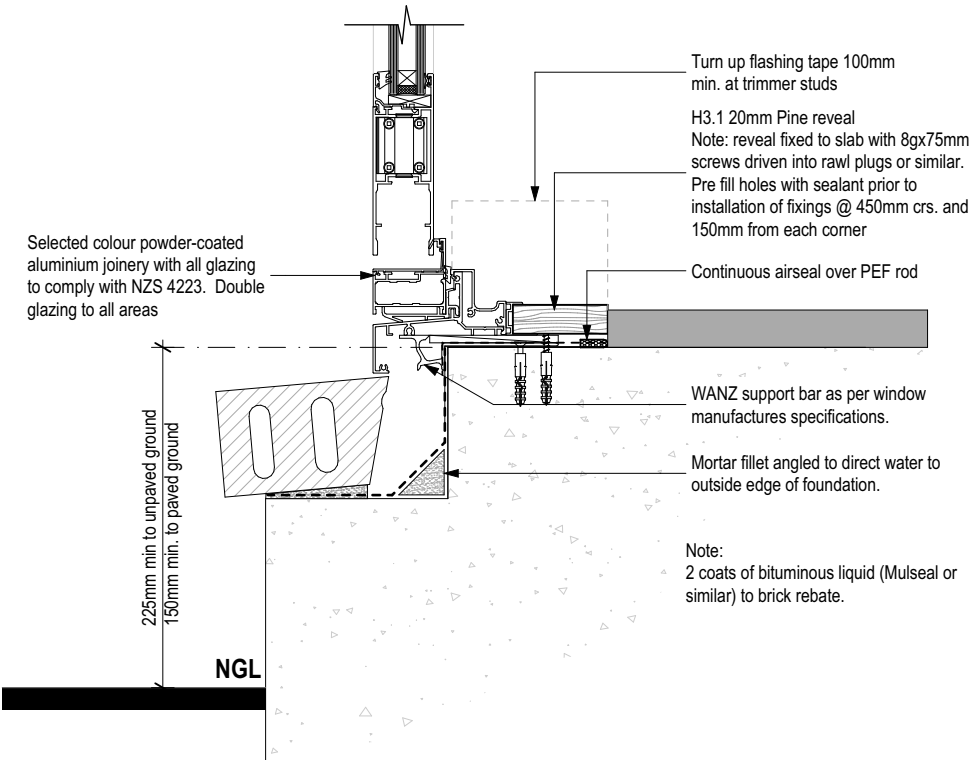
70 Series Brick - Garage Door Jamb

SCALE 1:5 @A3



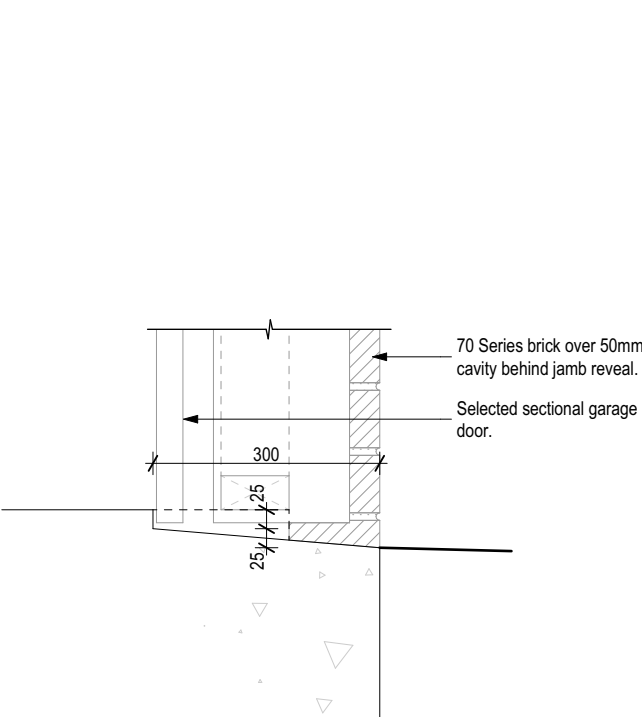
70 Series Brick - Joinery Junction

SCALE 1:5 @A3



70 Series Brick - Typical Sill

SCALE 1:5 @A3

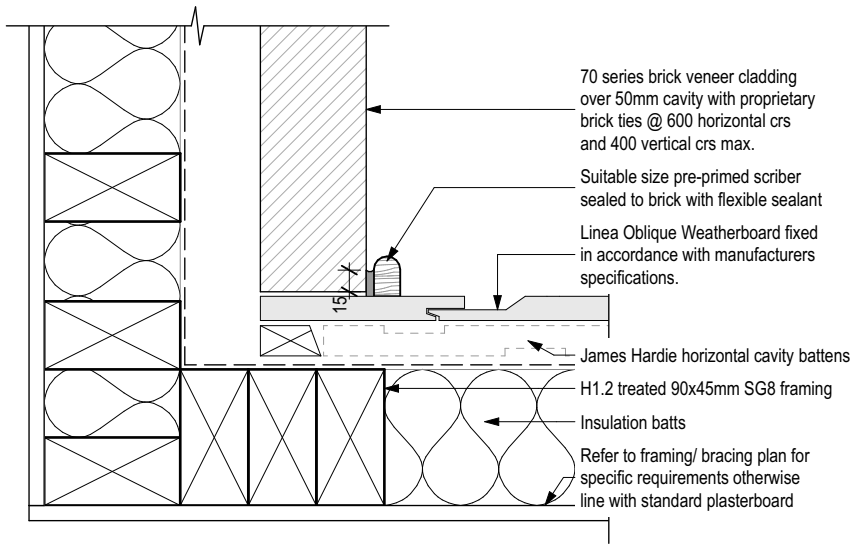


70 Series Brick - Garage Door Rebate

SCALE 1:10 @A3

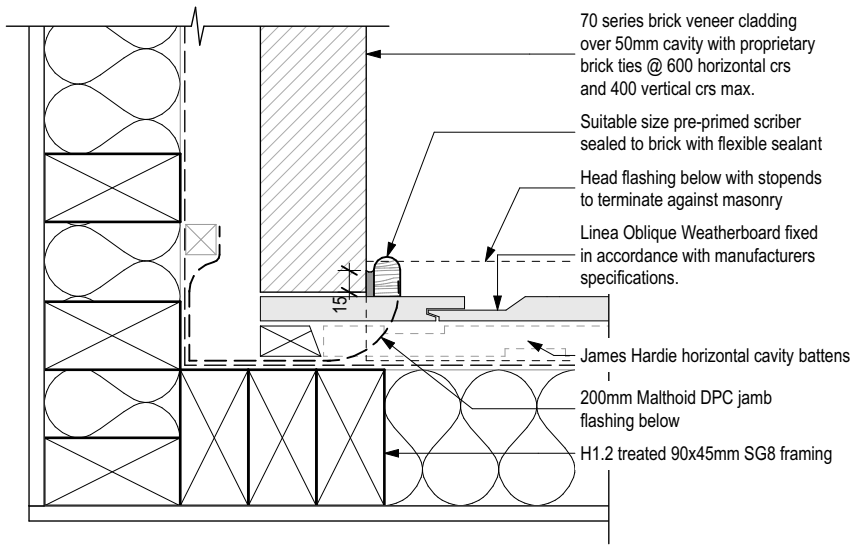
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									VERSION: V9	CODE: 1	JOB # M0470	





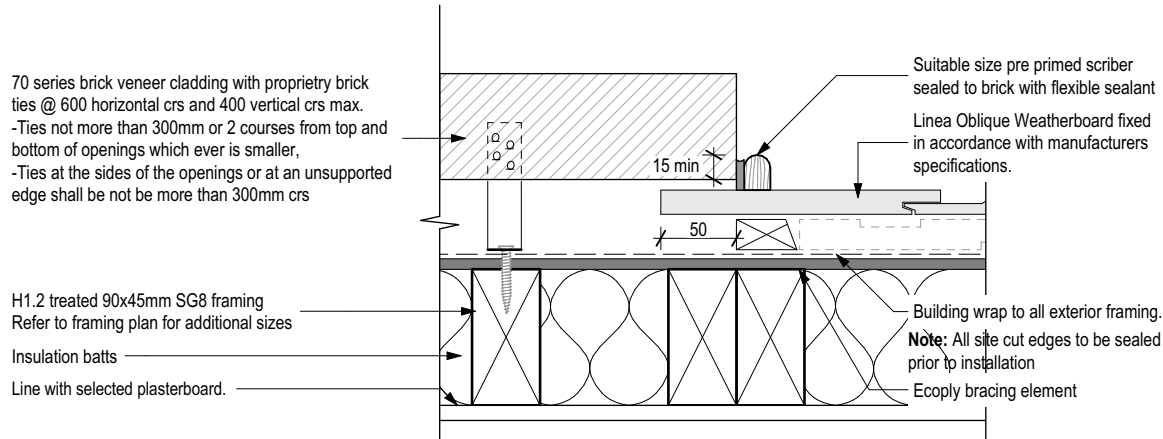
## Cladding Junction - Internal Corner

SCALE 1:5 @A3



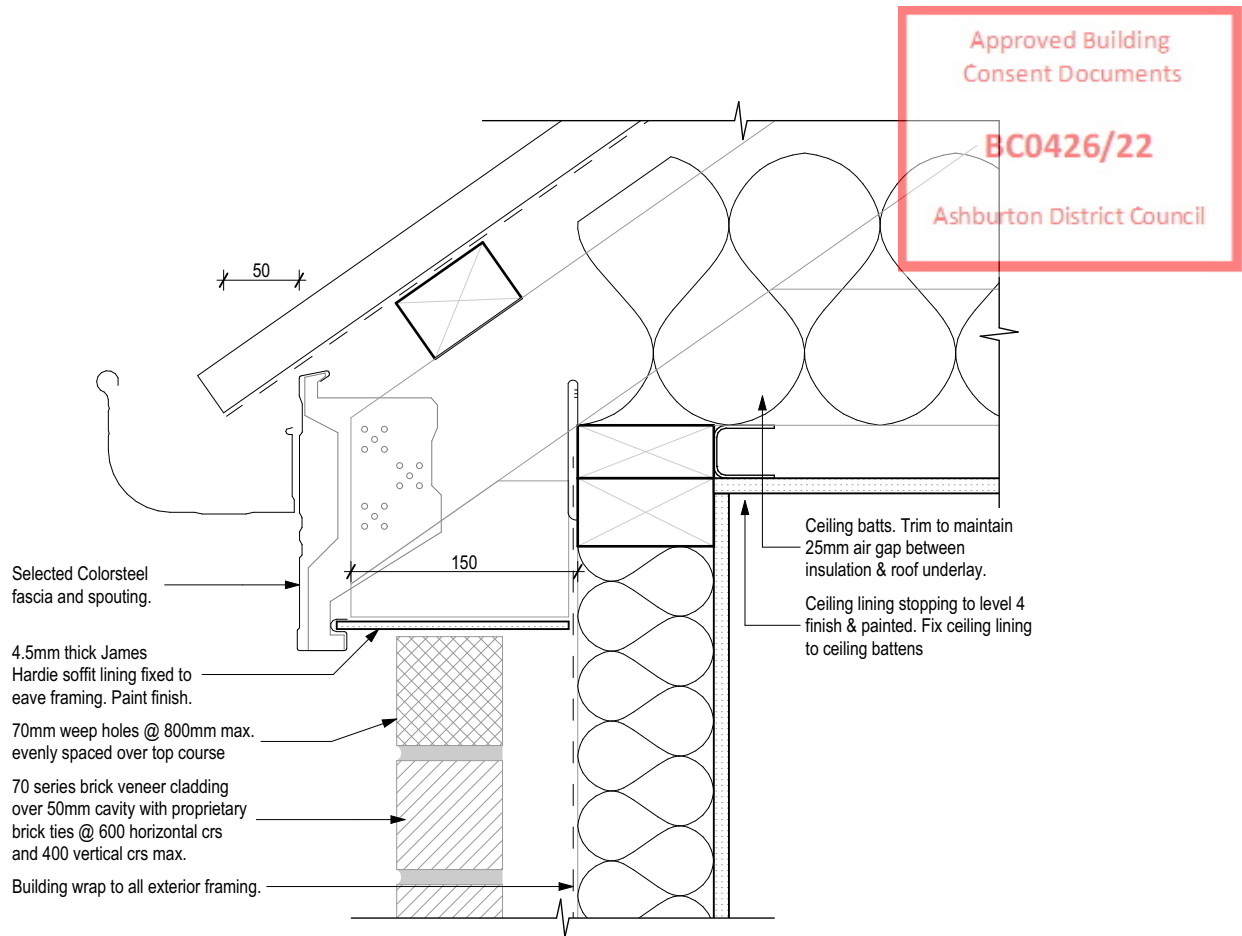
## Cladding Junction - Internal Corner above Window

SCALE 1:5 @A3



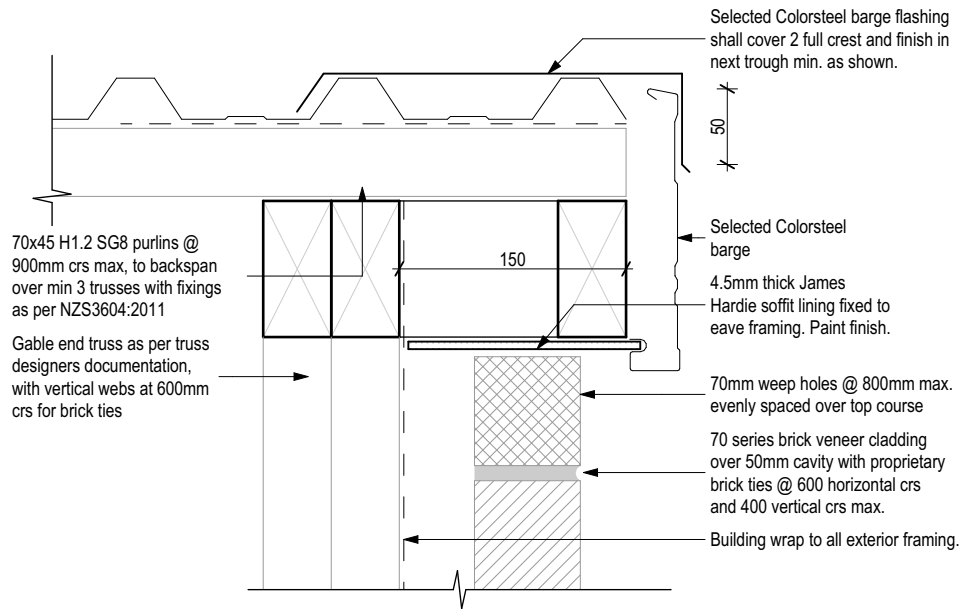
## Cladding Junction - Vertical

SCALE 1:5 @A3




## 70 Series Brick - Typical Soffit Detail

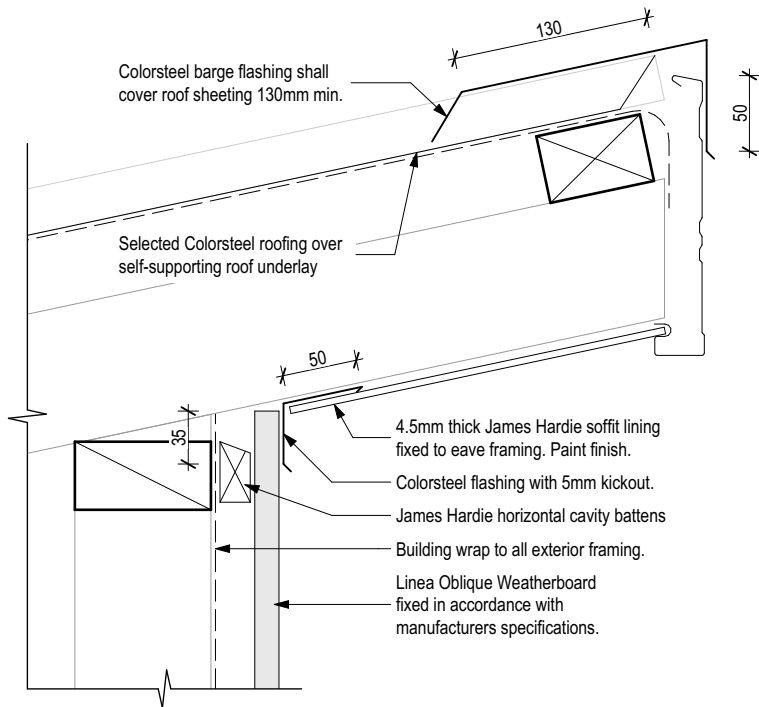
SCALE 1:5 @A3



## 70 Series Brick - Barge

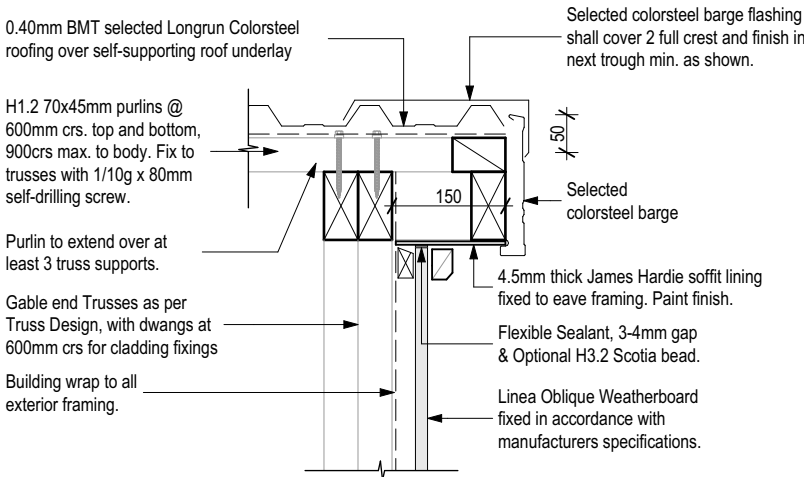
SCALE 1:5 @A3

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									VERSION: V9	CODE: 1	JOB # M0470	



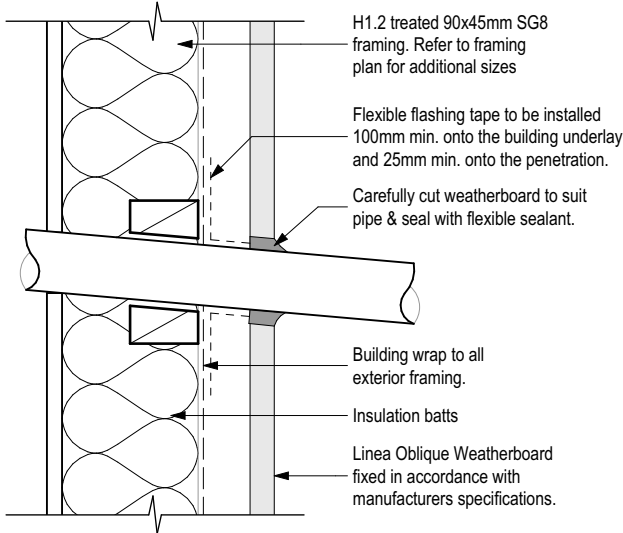
### Vertical Weatherboards - Raking Soffit

SCALE 1:5 @A3



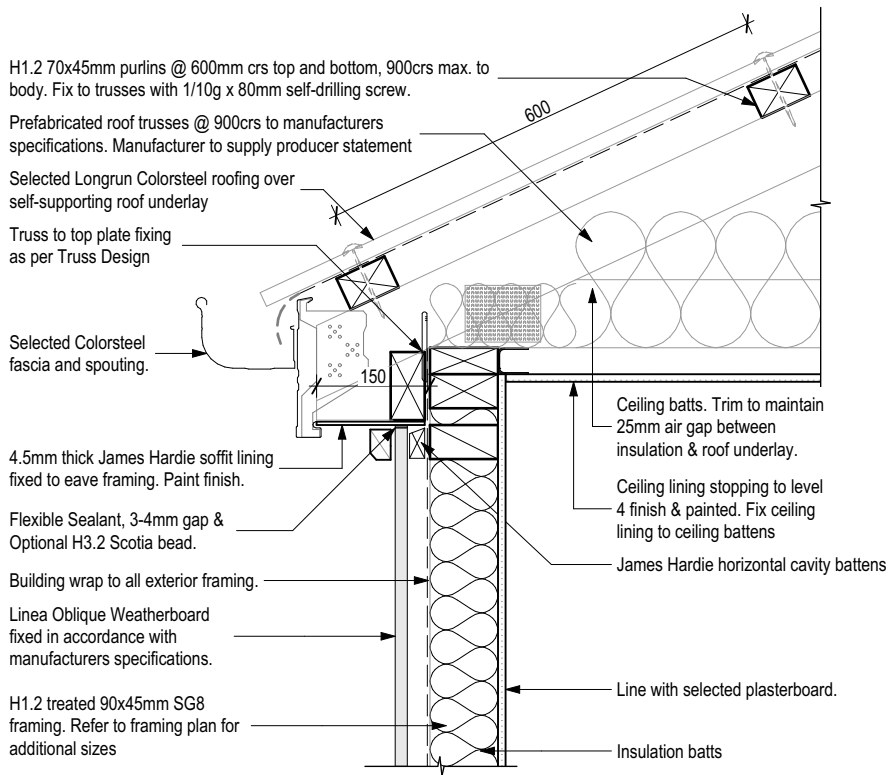
### Vertical Weatherboards - Barge

SCALE 1:10 @A3



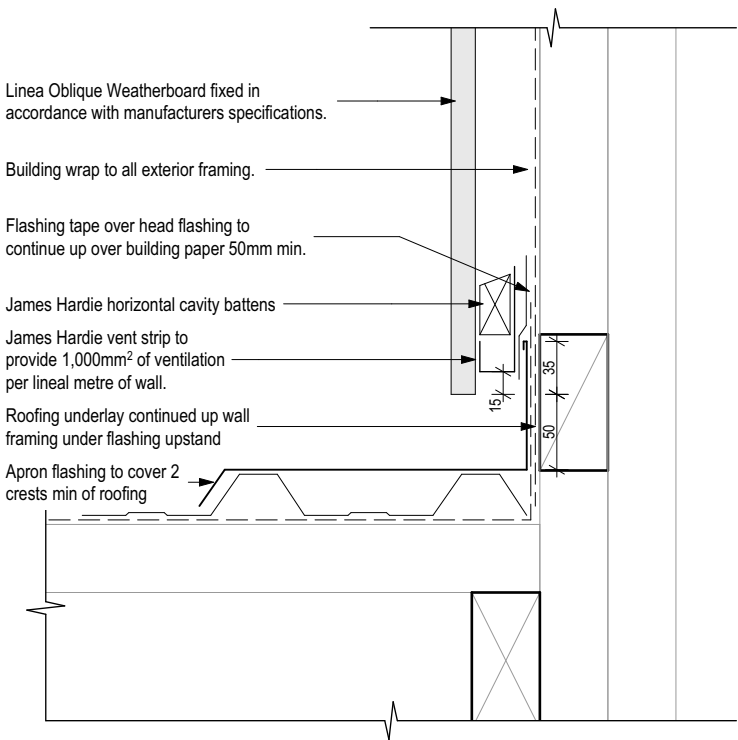
### Vertical Weatherboards - Pipe Penetration

SCALE 1:5 @A3



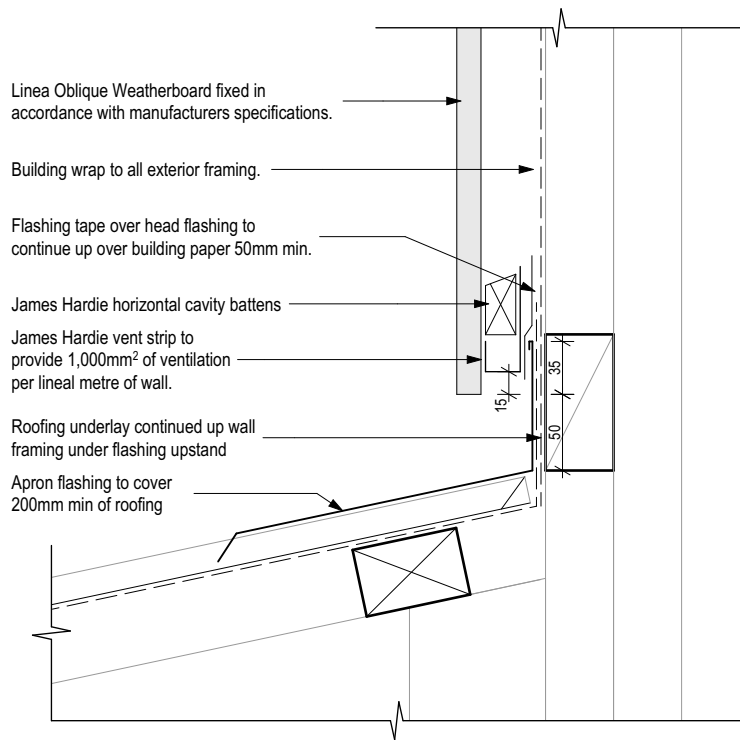
### Vertical Weatherboards - Typical Soffit

SCALE 1:10 @A3




### Vertical Weatherboards - Apron Flashing (Parallel)

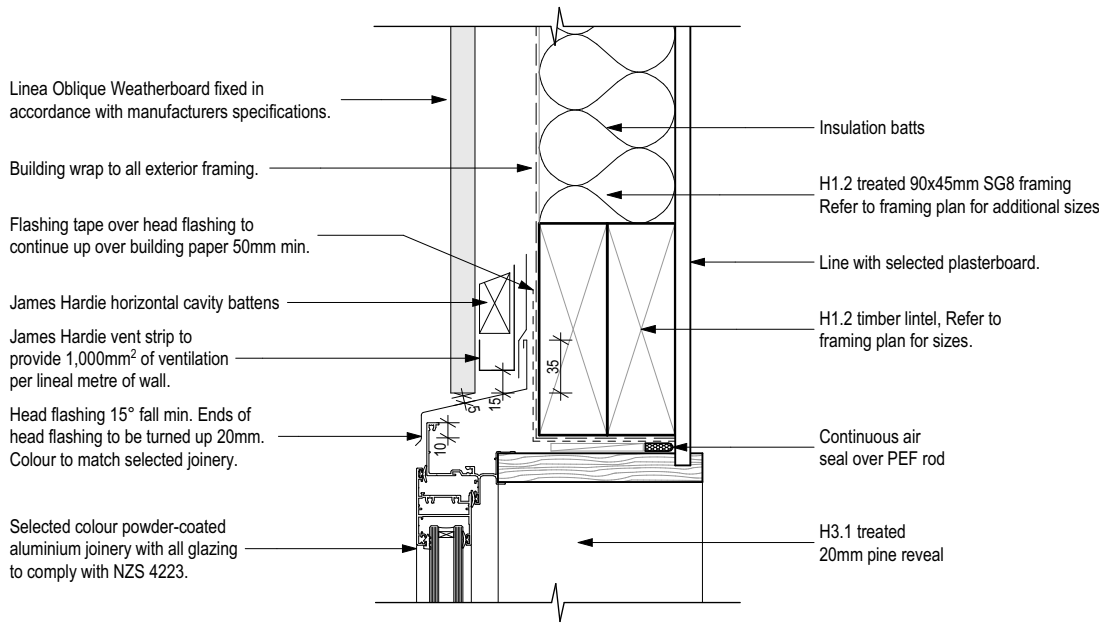
SCALE 1:5 @A3



### Vertical Weatherboards - Apron Flashing (Transverse)

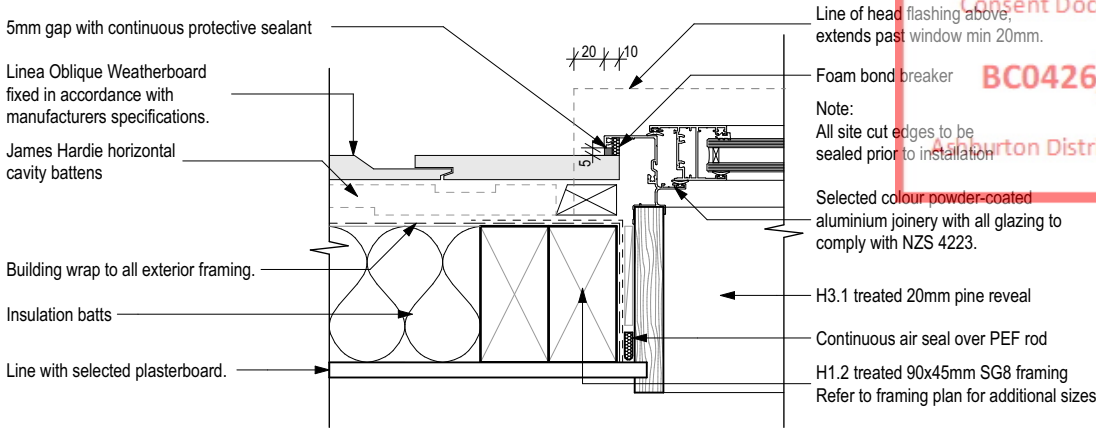
SCALE 1:5 @A3

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									<b>AMENDMENT DATE:</b> 31.05.22	<b>TECHNICIAN:</b> CM		
									<b>VERSION:</b> V9	<b>CODE:</b> 1	<b>JOB #</b> M0470	



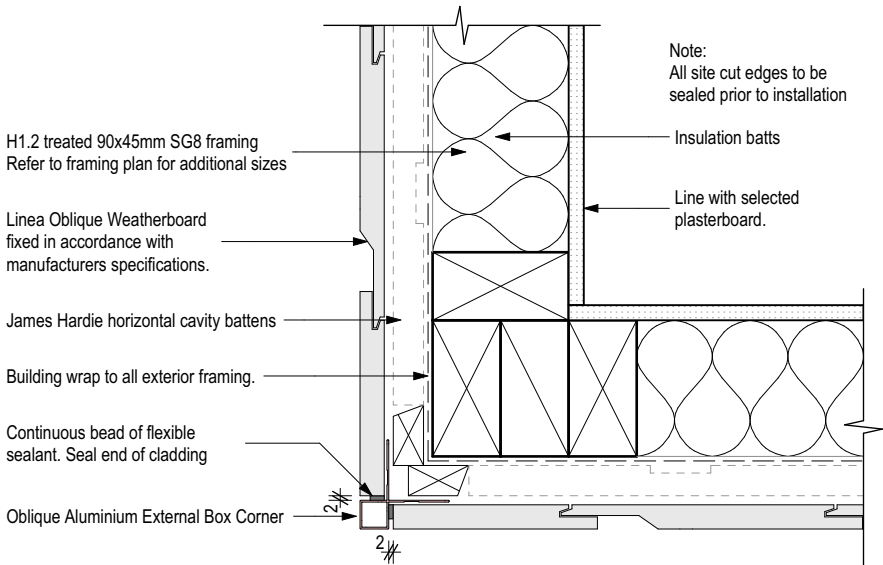
## Vertical Weatherboards - Window Head

SCALE 1:5 @A3



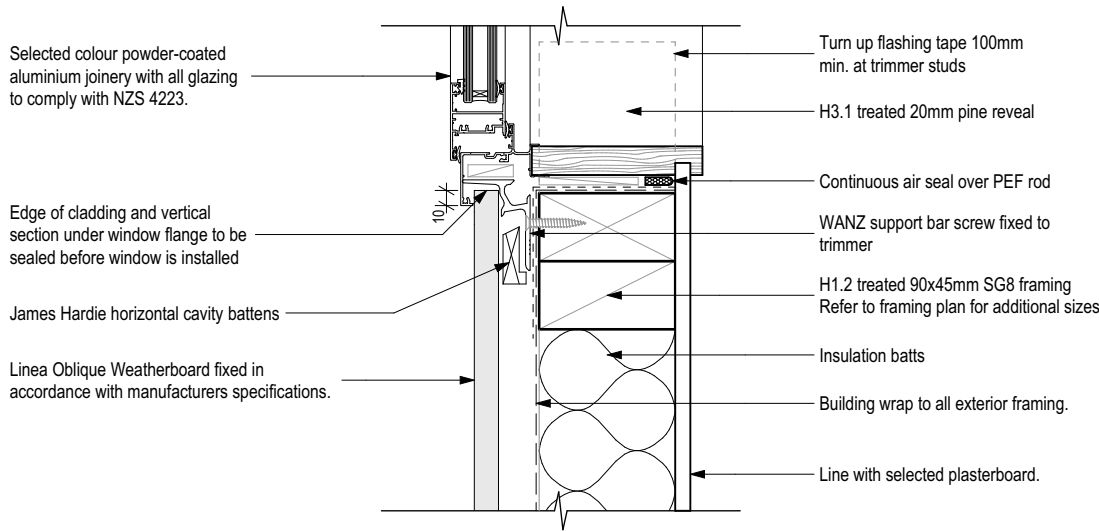
## Vertical Weatherboards - Window Jamb

SCALE 1:5 @A3



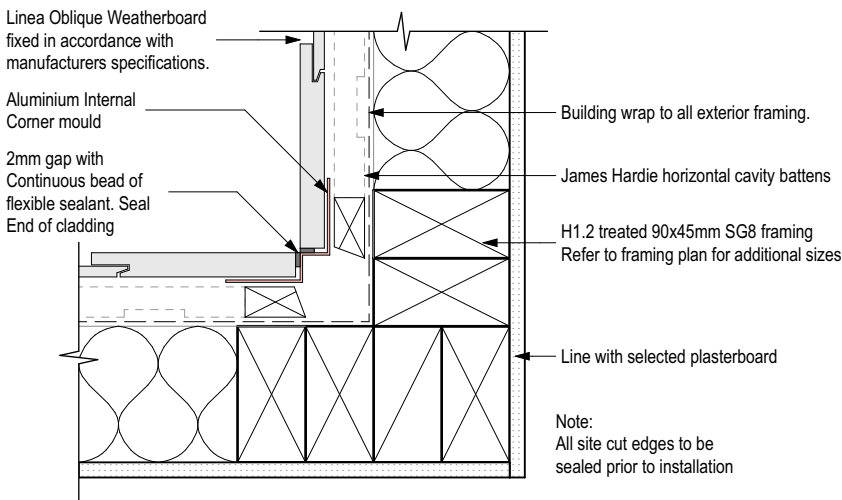
## Vertical Weatherboards - External Corner

SCALE 1:5 @A3



## Vertical Weatherboards - Window Sill

SCALE 1:5 @A3

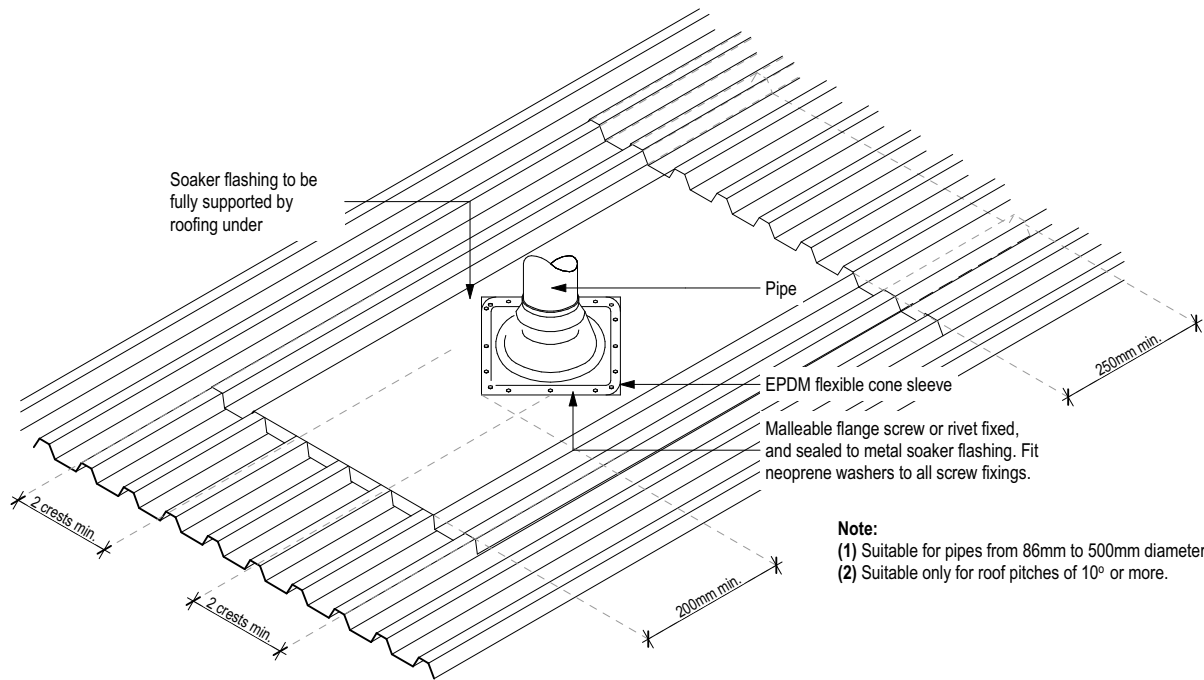


## Vertical Weatherboards - Internal Corner

SCALE 1:5 @A3

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					AMENDMENT DATE: 31.05.22	TECHNICIAN: CM	BASE PLAN: CT5499		
						VERSION: V9	CODE: 1		JOB # M0470



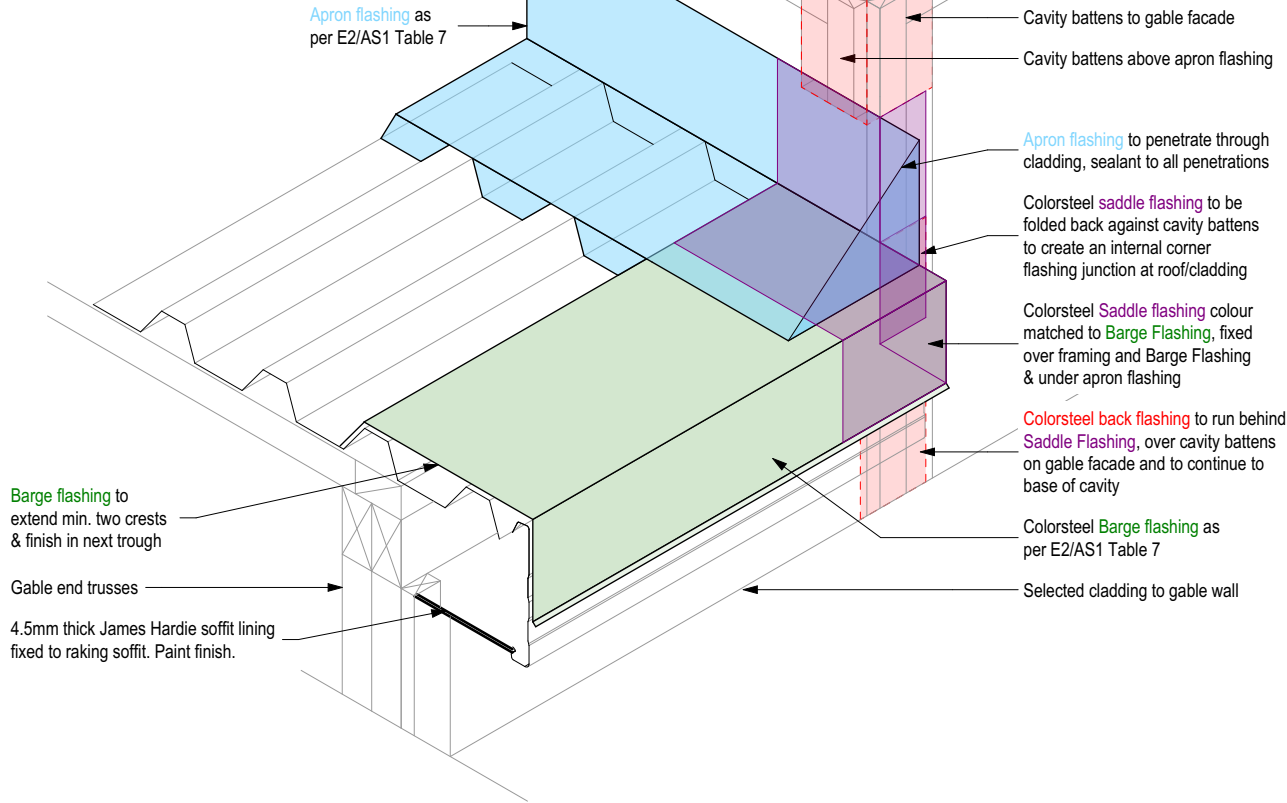


## Extract Vent Penetration

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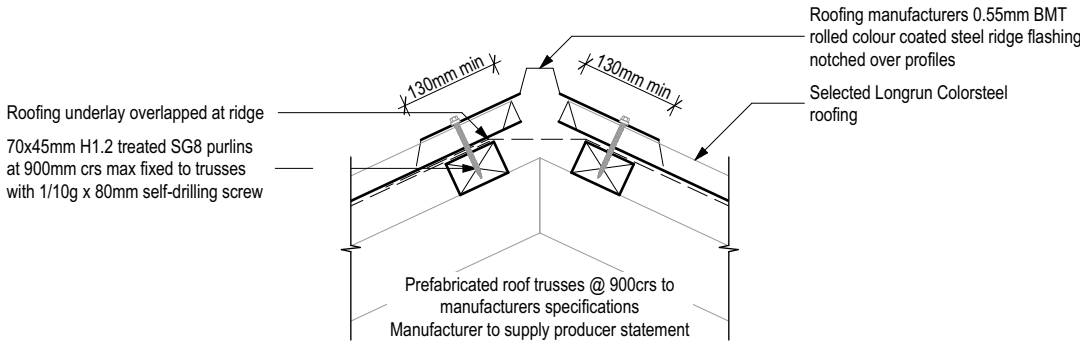
### Notes:

- All flashings against framing to be over building paper and be fully flashing taped as per apron flashing.
- All cavity battens to be H3.2
- All flashings to comply with E2/AS1



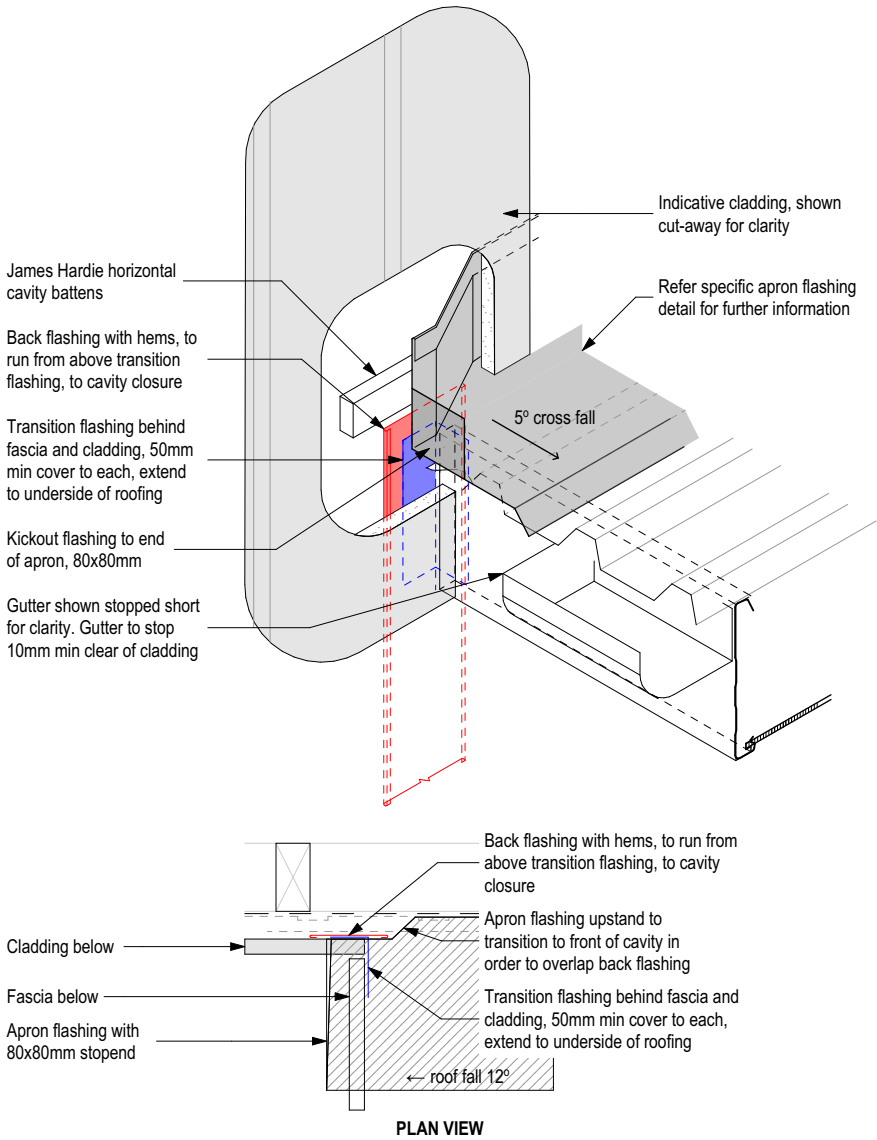
## Wall to Roof Junction

SCALE 1:10 @A3



## Ridge Flashing

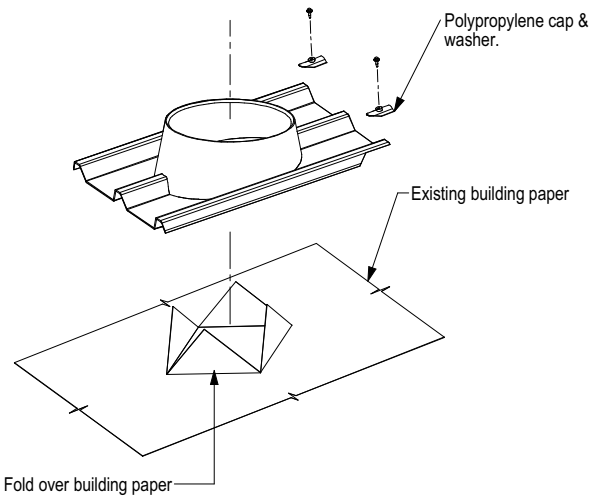
SCALE 1:10 @A3



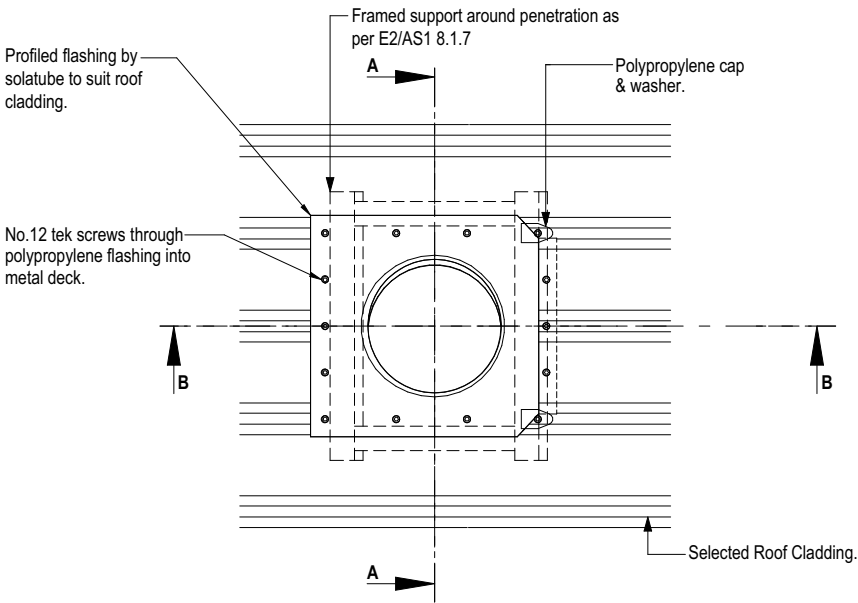
## Gutter to Wall Detail

SCALE 1:10 @A3



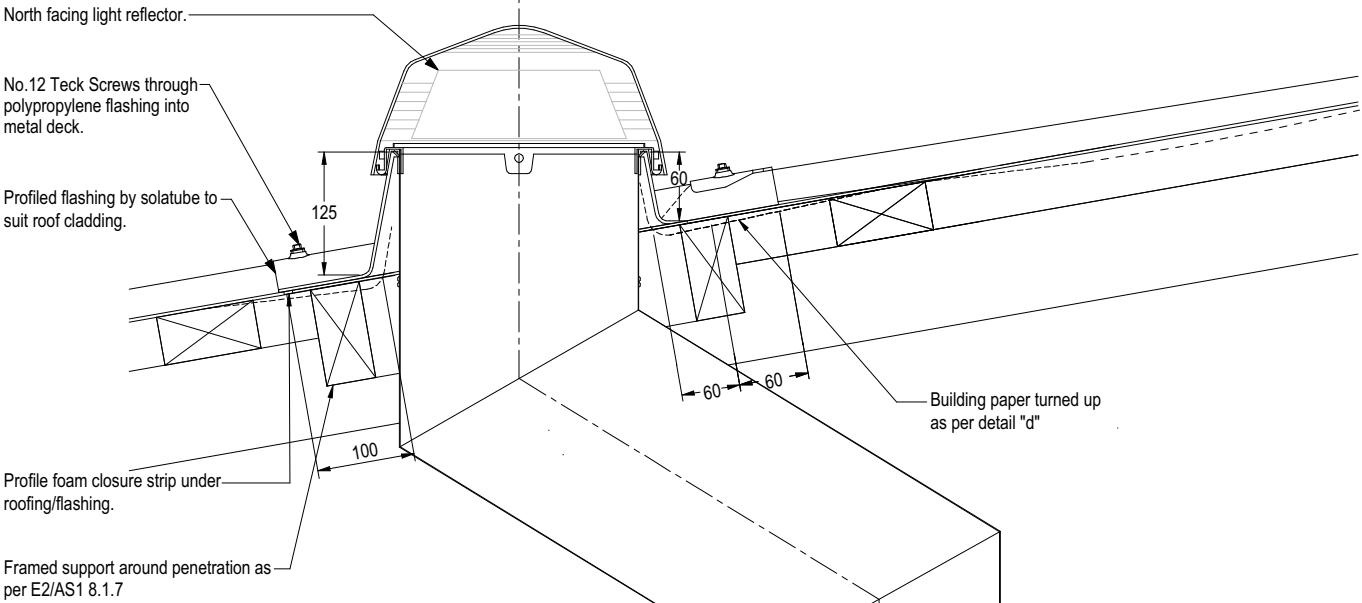


Detail D: Exploded 3D view  
(not to scale)

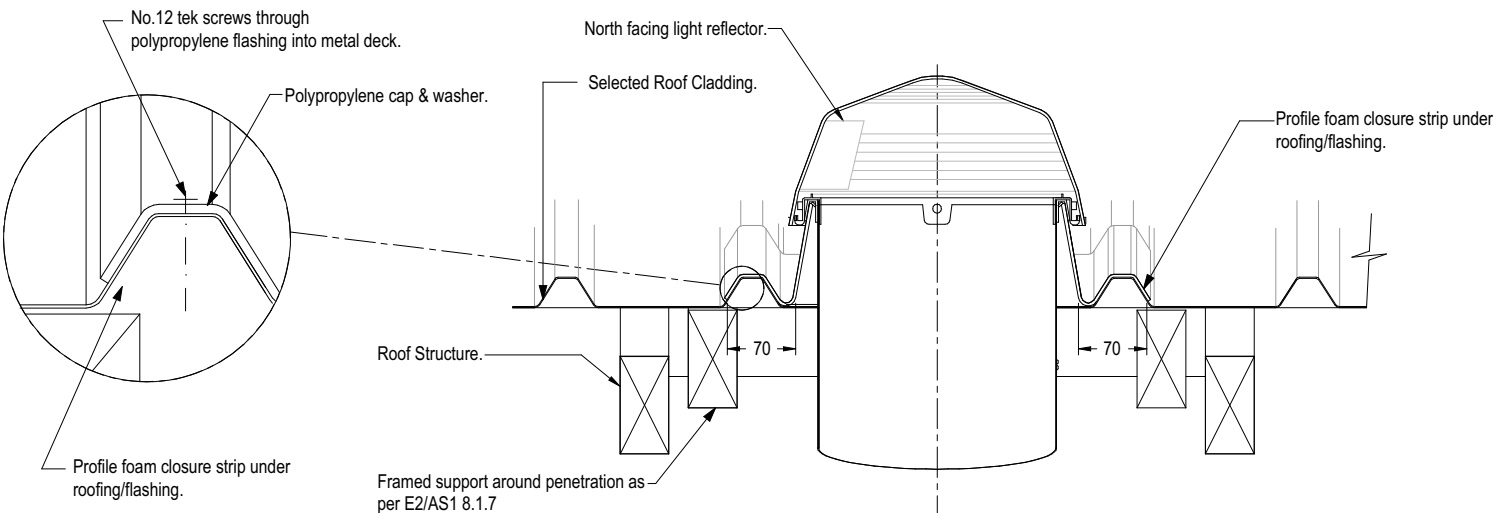


Plan  
scale 1:10@A3

**Note:** Installed by a Hometch Solatube certified installation consultant as per solatube international manufacturing specification.

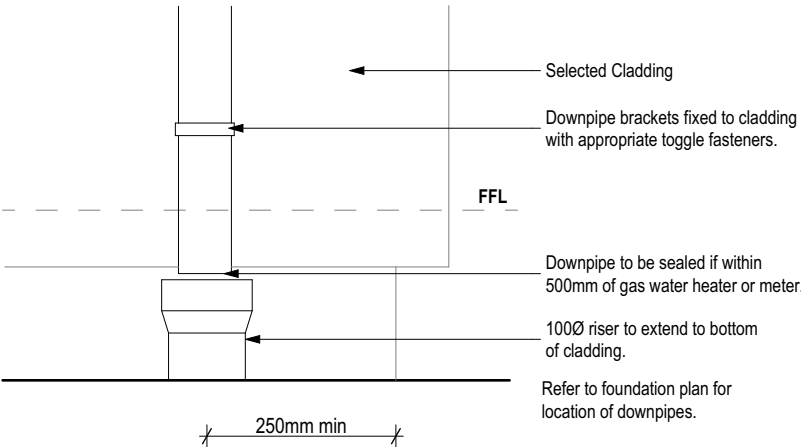


Section B-B  
scale 1:5@A3



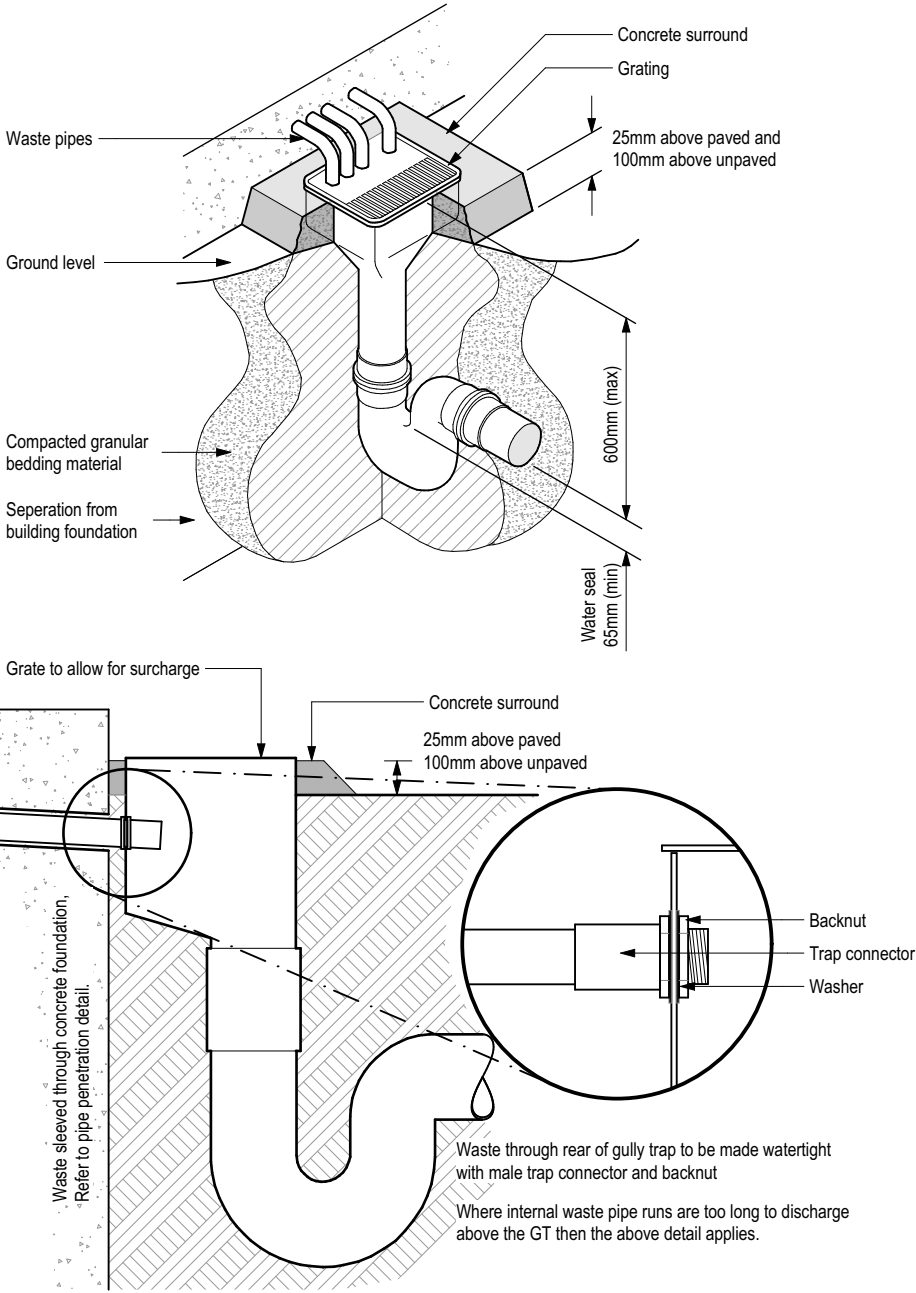
Section A-A  
scale 1:5@A3

Detail C  
(not to scale)



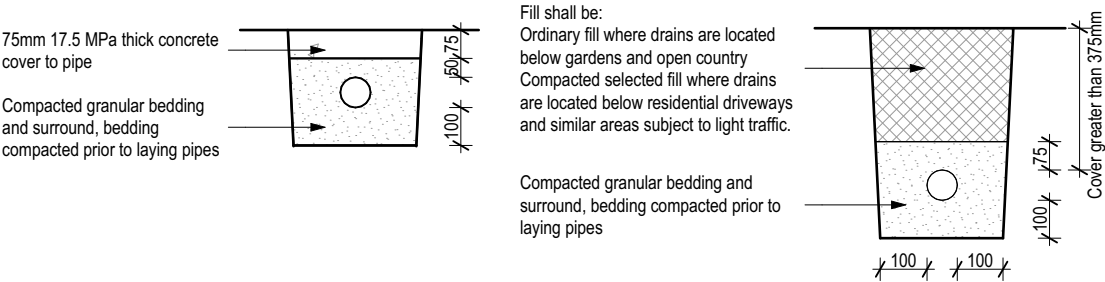
Downpipe Corner Offset

N.T.S.

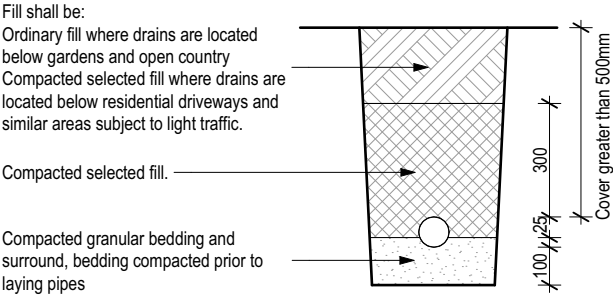


Gully Trap

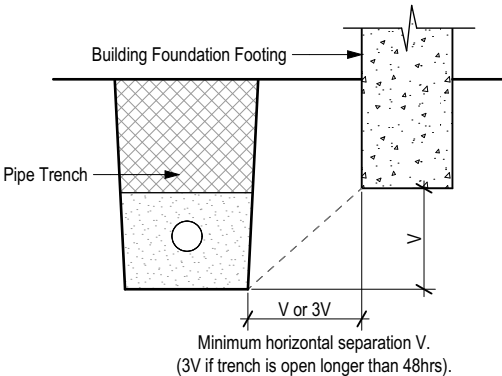
N.T.S.



Bedding & Back Filling 125mm - 375mm cover



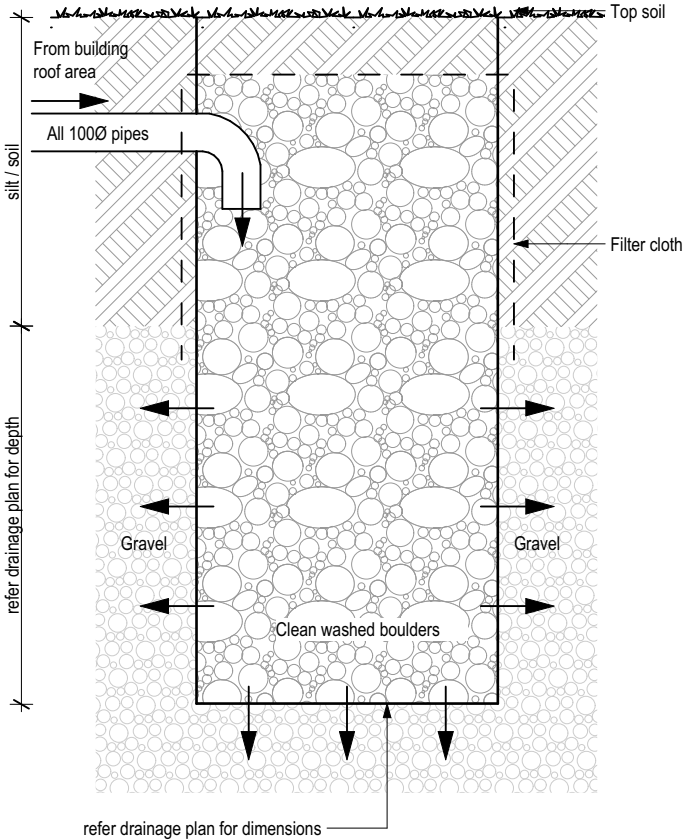
Bedding & Back Filling 500mm or more cover



Relationship of pipe trench to building foundation

Bedding & Back Filling

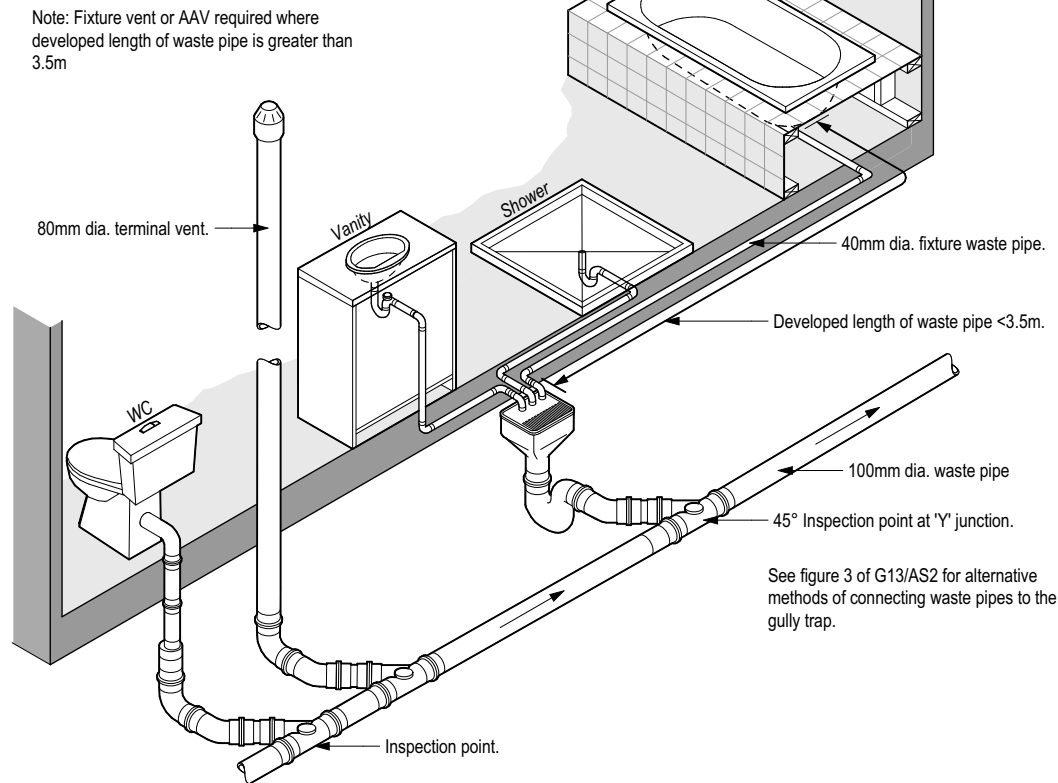
N.T.S.



Soak Hole Detail

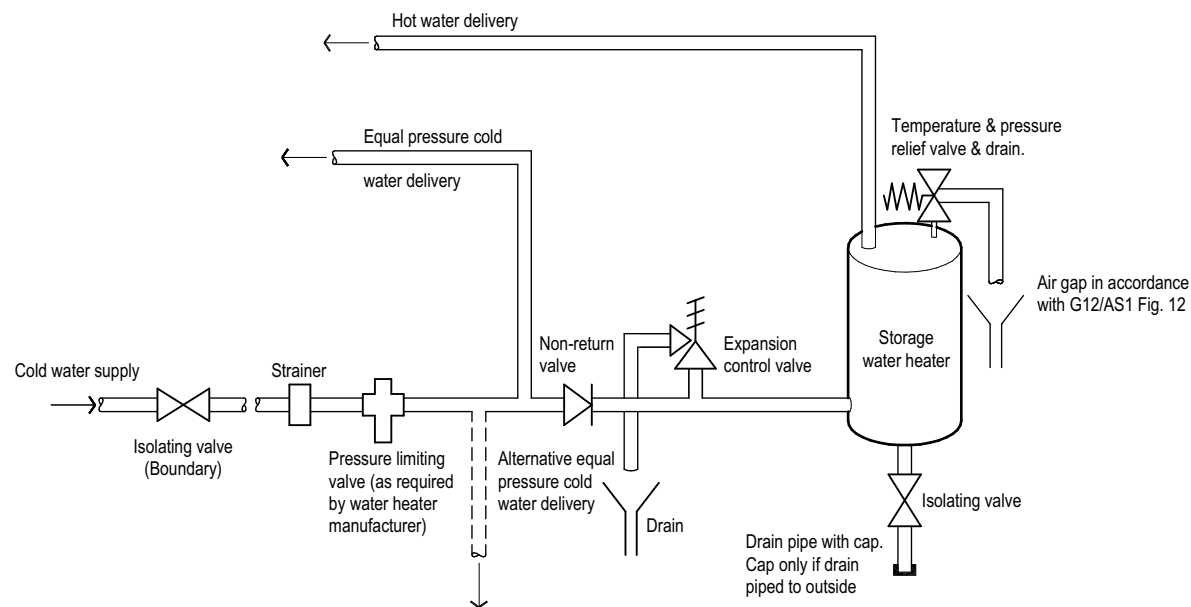
N.T.S.

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									VERSION: V9	CODE: 1	JOB # M0470	



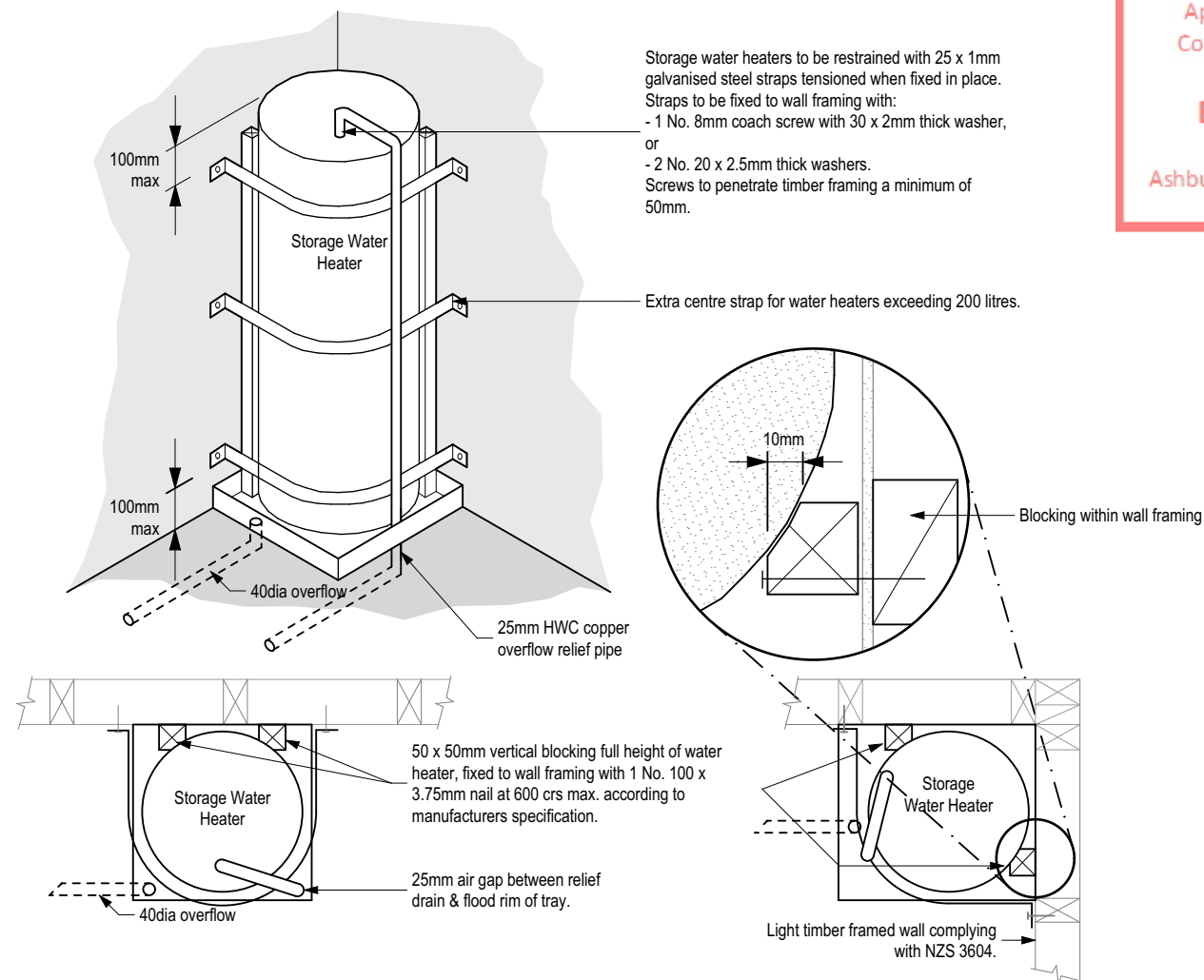
Typical Plumbing Schematic

N.T.S.



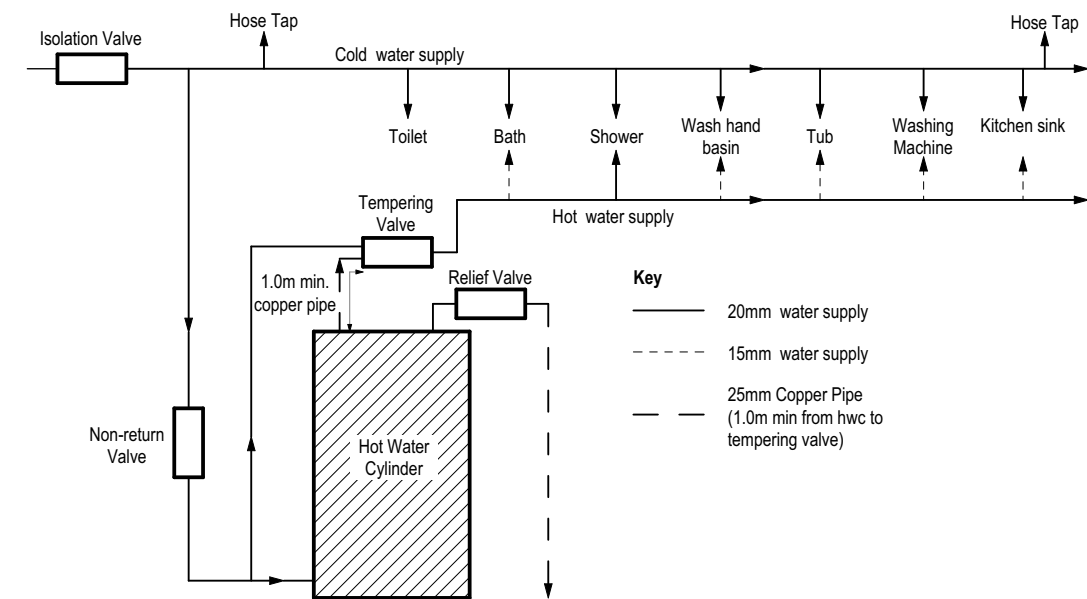
Hotwater Schematic Diagrams

N.T.S.



HWC Restraint Diagram

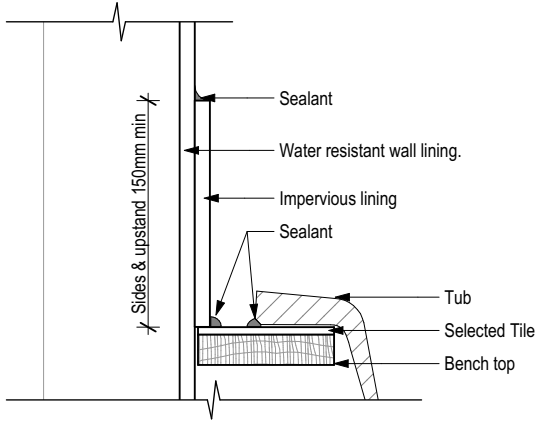
N.T.S.



Hotwater Schematic Diagrams

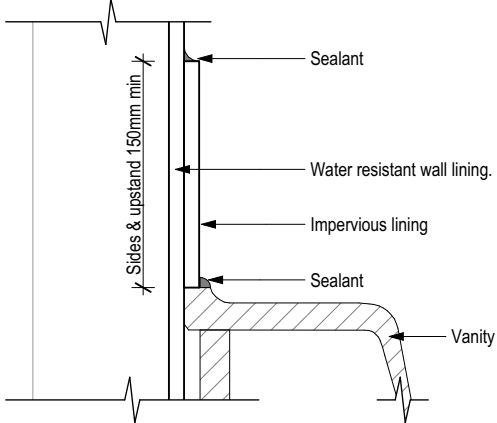
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									AMENDMENT DATE: 31.05.22	TECHNICIAN: CM	BASE PLAN: CT5499	
									VERSION: V9	CODE: 1	JOB # M0470	



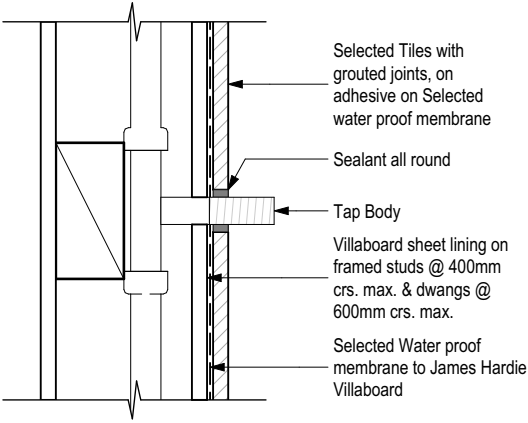
Laundry Bench to Wall Junction

SCALE 1:5 @A3



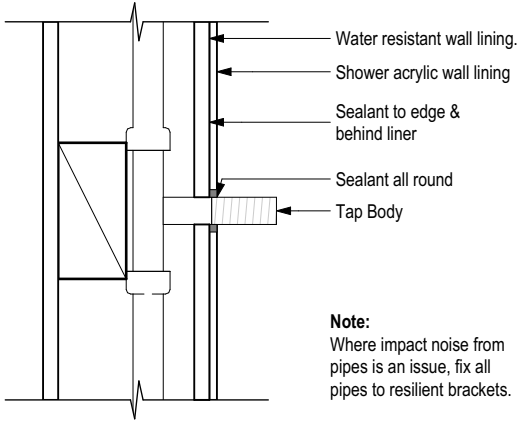
Vanity to Wall Junction

SCALE 1:5 @A3



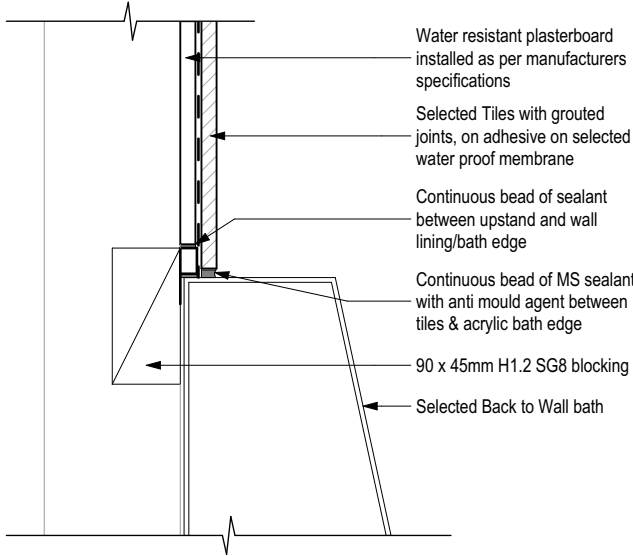
Pipe Penetration (Tiled Shower)

SCALE 1:5 @A3



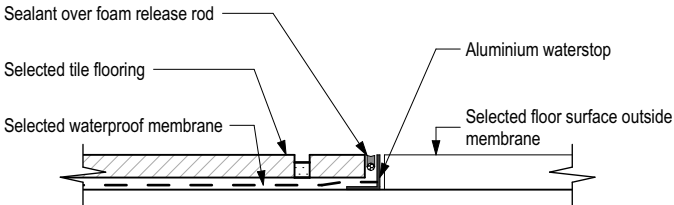
Pipe Penetration (Acrylic Shower)

SCALE 1:5 @A3



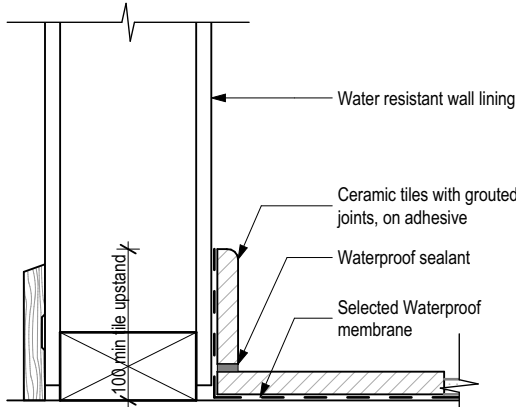
Back to Wall Bath

SCALE 1:5 @A3



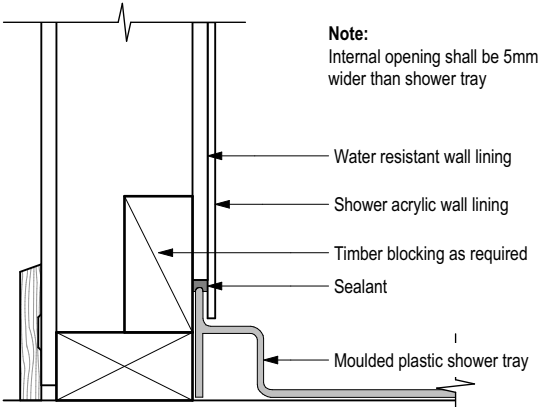
Flooring Waterstop Detail

SCALE 1:5 @A3



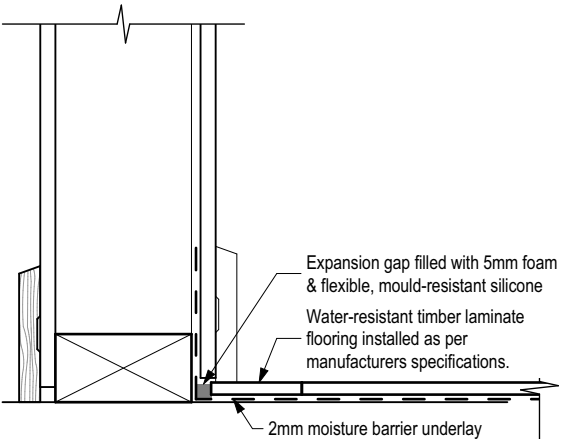
Tile floor to Wall Junction

SCALE 1:5 @A3



Acrylic Shower Base to Wall Junction

SCALE 1:5 @A3

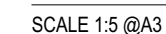
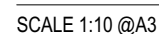
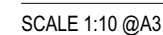
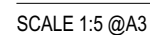


Laminate Flooring Detail

SCALE 1:5 @A3

 © Mike Greer Homes NZ Ltd (03) 354 0166   0800 mikegreer Tower 2, 7 Deans Avenue, Addington, Christchurch 8011 www.mikegreerhomes.co.nz	JOB TITLE:		DRAWING TITLE:		LEGAL DESCRIPTION:		LEGAL NOTES:		DATE OF ISSUE:	DESIGNER:	SCALE:	SHEET:
	MIKE GREER HOMES For Kelvin & Sharon Inch		Details: Wet Area		LOT: 7 DP: TBC		1. Subject to council approval 2. All measurements to be confirmed on site by the contractor prior to the commencement of work		08.12.21	NM	1:5	
					Meadowlands Green Meadowlands Ashburton		© 2022 Mike Greer Homes NZ Limited. All rights reserved. No part of this work covered by copyright may be reproduced or copied in any form or by any means without the written permission of Mike Greer Homes NZ Limited		AMENDMENT DATE:	TECHNICIAN:	BASE PLAN:	
									31.05.22	CM	CT5499	
								VERSION:	CODE:	JOB #		
								V9	1	M0470		





Document Set ID: 678688  
Version: 1, Version Date: 03/11/2023

GENERAL NOTE

- Sizes shown are rough opening sizes and & leaf sizes.
- Client to confirm window & door style & finishes.
- Confirm all opening sizes onsite prior to installation
- Refer to ground floor plan for accurate opening location.

-Joinery: -All exterior window and doors to be colorsteel powdercoated aluminium framed with double glazing and dressed timber reveals unless noted otherwise. Refer to specification for full details.

- Internal Door Leaf Height: - Standard.
- Internal Door Leaf Width: - Typically 810mm (unless noted on plan).
- Garage Door: - Typically 710/810mm (wet areas).
- Lintels: - Colorsteel sectional.
- Safety Glazing (SG): - Refer to the Truss Design for lintel sizes.
- Obscure Glazing (OB): - As indicated on Door & Window Schedule
- Restrictor Stays (RS): - To Bathroom, WC and Ensuite
- Restrictor Stays (RS): - As indicated on Door & Window Schedule

NOTE:  
All doors & sliders are taken from **External Elevation**.  
All windows are taken from **External Elevation**.

Floor Plan takes precedence over Window Schedule - Refer to Floor plan & Elevations for opening direction.

Glazing and glazed openings to comply with NZS 4223.3:2016 Glazing in buildings - Part 3: Human impact safety requirements, NZS 4211:2008: Specification for performance of windows and New Zealand Building Code Clauses: F2 Hazardous Building Materials & F4: Safety from Falling.

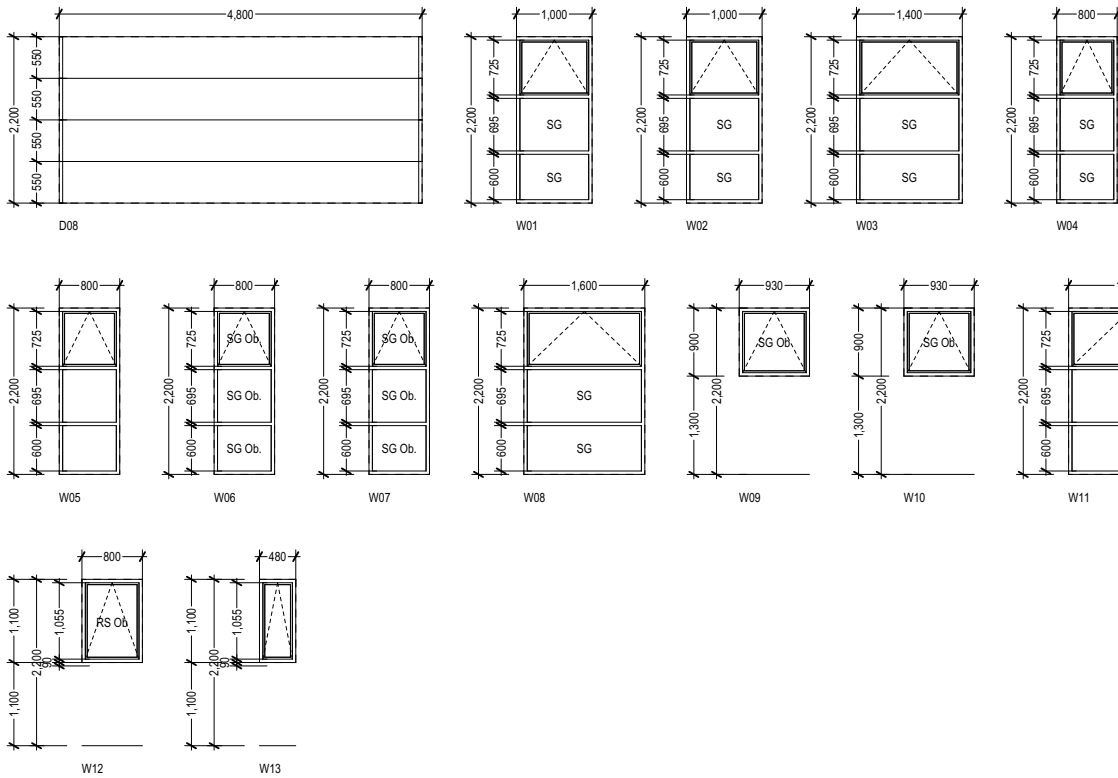
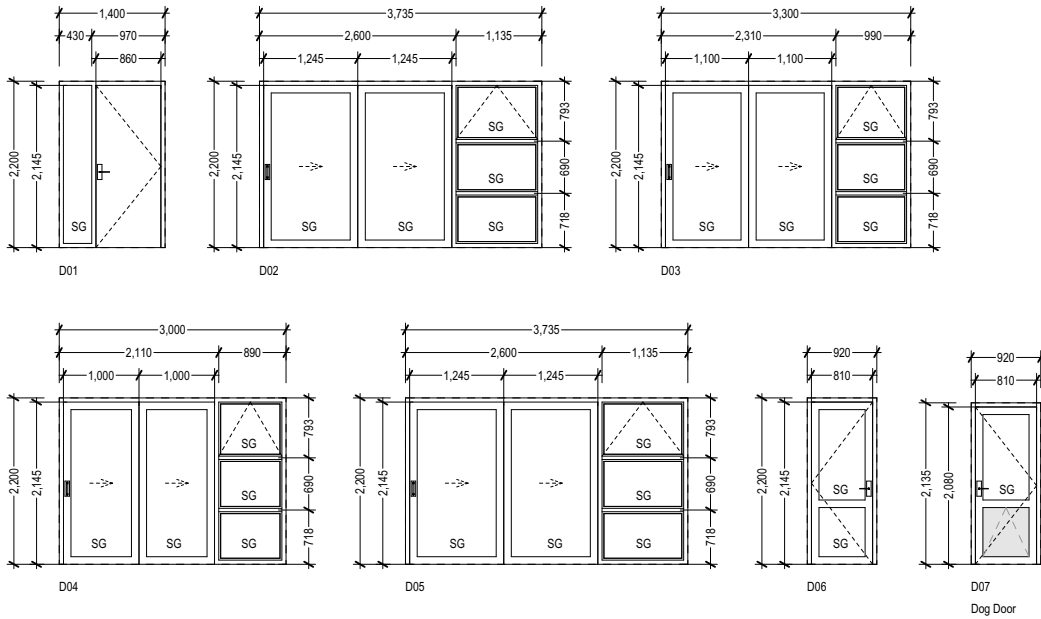
STANDARD GLAZING UNITS USED.

All Double Glazed Units  
Comply with Table C1, NZS 4218:2009 & meet 0.26 (m². °C/W)

Standard Unit  
4mm Glass / 12mm Air Gap / 4mm Glass

Slider Unit  
5mm Glass / 8mm Air Gap / 5mm Glass

Safety Panel  
4mm Toughened / 8mm Air Gap / 6.38mm Laminate



NZBC H1 COMPLIANCE - CALCULATION METHOD  
Building Elements: Construction R Values

Roof R3.35  
Colorsteel trapezoidal roofing on underlay. Timber purlins, on trusses at 900mm crs. 10mm GIB standard lining on metal battens at 400mm crs, with R3.6 insulation over ceiling battens

Wall Type 1 R2.16  
Linea Oblique cladding on 20mm cavity. 90x45mm framing, with studs at 600mm crs, dwangs at 600mm crs. Building wrap to exterior, R2.6 insulation, and 10mm GIB standard internal lining.

Wall Type 2 R2.54  
Linea Oblique cladding on 20mm cavity. 140x45mm framing, with studs at 600mm crs, dwangs at 600mm crs. Building wrap to exterior, R2.6 insulation, and 10mm GIB standard internal lining.

Wall Type 3 R2.10  
70mm brick veneer on 40mm min cavity. 90x45mm framing, with studs at 600mm crs, dwangs at 800mm crs. Building wrap to exterior, R2.6 insulation, and 10mm GIB standard internal lining.


Wall Type 4 R2.18  
Internal wall to garage, 90x45mm framing, with studs at 600mm crs, dwangs at 800mm crs. R2.6 insulation, with 10mm GIB to each side

Floor R1.60  
Concrete slab on ground, perimeter ratio 3.0

Glazing R0.26  
Aluminium joinery with double glazing

PROPOSED BUILDING											
=	$\frac{\text{roof area}}{\text{r-value}}$	+	$\frac{\text{wall area}}{\text{r-value}}$	+	$\frac{\text{floor area}}{\text{r-value}}$	+	$\frac{\text{glazing area}}{\text{r-value}}$	+	$\frac{\text{door area}}{\text{r-value}}$	+	$\frac{\text{skylight area}}{\text{r-value}}$
=	60.34	+	42.22	+	126.34	+	223.88	+	9.08	+	0.00
=	461.85										

REFERENCE BUILDING (OPENING AREA >30% OF WALL AREA) CLIMATE ZONE 3											
=	roof area + skylight area		+	wall area + door area		+	floor area	+	30% of total wall area	+	glazing area - 30% of total wall area
	3.3			2			1.3		0.26		0.4
=	202.14		+	96.73		+	202.14	+	46.48	+	11.73
	3.3			2			1.3		0.26		0.4
=	473.21		is HL <sub>proposed</sub> less than HL <sub>reference</sub> ? YES				GLAZING %:		37.57%		

 © Mike Greer Homes NZ Ltd (03) 354 0166   0800 mikegreer Tower 2, 7 Deans Avenue, Addington, Christchurch 8011 www.mikagreerhomes.co.nz	JOB TITLE: <b>MIKE GREER HOMES For Kelvin &amp; Sharon Inch</b>	DRAWING TITLE: <b>Door &amp; Window Schedule</b>	LEGAL DESCRIPTION:  LOT: 7DP: TBC  Meadowlands Green Meadowlands Ashburton	LEGAL NOTES:  1. Subject to council approval 2. All measurements to be confirmed on site by the contractor prior to the commencement of work  © 2022 Mike Greer Homes NZ Limited. All rights reserved. No part of this work covered by copyright may be reproduced or copied in any form or by any means without the written permission of Mike Greer Homes NZ Limited	DATE OF ISSUE: 08.12.21	DESIGNER: NM	SCALE: 1:100	SHEET: <b>A6.01</b>
					AMENDMENT DATE: 31.05.22	TECHNICIAN: CM	BASE PLAN: CT5499	
					VERSION: V9	CODE: 1	JOB # M0470	

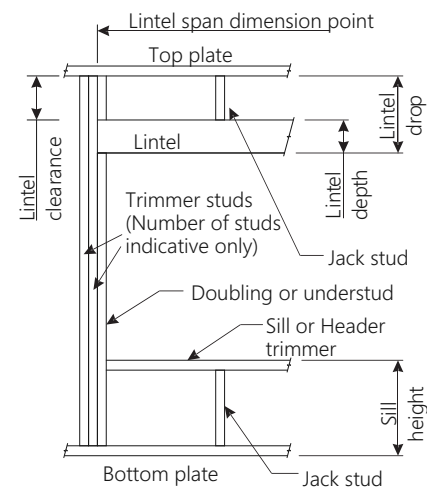


# LINTEL FIXING SCHEDULE ALTERNATIVE TO TABLE 8.14 & FIGURE 8.12 NZS 3604:2011

## NOTE:

- ★ All fixings are designed for vertical loads only. Dead loads include the roof weight and standard ceiling weight of 0.20kPa.
- ★ Refer to Table 8.19 NZS 3604:2011 for nailing schedule to resist horizontal loads.
- ★ These fixings assume the correct choice of rafter/truss to top plate connections have been made.
- ★ All fixings assume bottom plate thickness of 45mm maximum. Note: TYLOK options on timber species.
- ★ Wall framing arrangements under girder trusses are not covered in this schedule.
- ★ All timber selections are as per NZS 3604:2011.

## DEFINITIONS



Roof Tributary Area	Lintel Supporting Girder Trusses					
	Light Roof Wind Zone			Heavy Roof Wind Zone		
	L, M, H	VH	EH	L, M, H	VH	EH
8.6m <sup>2</sup>	G	G	H	G	G	H
11.6m <sup>2</sup>	G	H	H	G	G	H
12.1m <sup>2</sup>	G	H	H	G	H	H
15.3m <sup>2</sup>	H	H	-	G	H	H
19.1m <sup>2</sup>	H	-	-	G	H	-
20.9m <sup>2</sup>	H	-	-	H	H	-
21.8m <sup>2</sup>	H	-	-	H	-	-
34.3m <sup>2</sup>	-	-	-	H	-	-

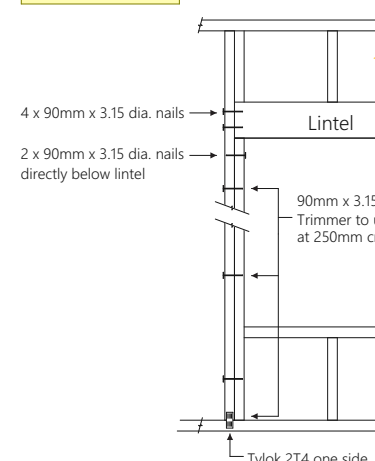
## NOTES:

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

Lintel Span (m)	Loaded Dimension (m) (See Fig. 1.3 NZS 3604:2011)	Light Roof Wind Zone					Heavy Roof Wind Zone				
		L	M	H	VH	EH	L	M	H	VH	EH
1.0	2.0	E	E	E	E	F	E	E	E	E	F
	3.0	F	F	F	F	F	F	F	F	F	F
	4.0	F	F	F	F	G	F	F	F	F	F
	5.0	F	F	F	G	G	F	F	F	F	G
	6.0	F	F	F	G	G	F	F	F	F	G
1.2	2.0	E	E	F	F	F	E	E	E	F	F
	3.0	F	F	F	F	F	F	F	F	F	F
	4.0	F	F	F	G	G	F	F	F	F	G
	5.0	F	F	F	G	G	F	F	F	F	G
	6.0	F	F	G	G	H	F	F	F	F	G
1.5	2.0	F	F	F	F	F	F	F	F	F	F
	3.0	F	F	F	F	G	F	F	F	F	F
	4.0	F	F	F	G	G	F	F	F	F	G
	5.0	F	F	G	G	H	F	F	F	F	G
	6.0	F	F	G	H	H	F	F	F	F	H
2.0	2.0	F	F	F	G	G	F	F	F	F	G
	3.0	F	F	F	G	G	F	F	F	F	G
	4.0	F	F	G	G	H	F	F	F	F	G
	5.0	F	F	G	H	H	F	F	F	F	H
	6.0	F	F	G	H	H	F	F	F	F	H
2.4	2.0	F	F	F	G	G	F	F	F	F	G
	3.0	F	F	G	G	H	F	F	F	F	G
	4.0	F	F	G	H	H	F	F	F	F	H
	5.0	F	F	G	H	H	F	F	F	F	H
	6.0	F	F	G	H	H	F	F	F	F	H
3.0	2.0	F	F	G	G	H	F	F	F	F	G
	3.0	F	F	G	H	H	F	F	F	F	G
	4.0	F	F	G	H	H	F	F	F	F	H
	5.0	F	F	G	H	H	F	F	F	F	H
	6.0	F	F	G	H	H	F	F	F	F	H
3.6	2.0	F	F	G	G	H	F	F	F	F	G
	3.0	F	F	G	H	H	F	F	F	F	G
	4.0	F	F	G	H	H	F	F	F	F	H
	5.0	F	F	G	H	H	F	F	F	F	H
	6.0	F	F	G	H	H	F	F	F	F	H
4.2	2.0	F	F	G	G	H	F	F	F	F	G
	3.0	F	F	G	H	H	F	F	F	F	G
	4.0	F	F	G	H	H	F	F	F	F	H
	5.0	F	F	G	H	H	F	F	F	F	H
	6.0	F	F	G	H	H	F	F	F	F	H
4.5	2.0	F	F	G	G	H	F	F	F	F	G
	3.0	F	F	G	H	H	F	F	F	F	G
	3.4	F	F	G	H	H	F	F	F	F	H
	4.0	F	F	G	H	H	F	F	F	F	H
	5.0	F	F	G	H	H	F	F	F	F	H
4.8	2.0	F	F	G	G	H	F	F	F	F	G
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	4.0	F	F	G	H	H	F	F	F	F	H
	5.0	F	F	G	H	H	F	F	F	F	H
5.4	2.0	F	F	G	G	H	F	F	F	F	G
	2.8	F	F	G	H	H	F	F	F	F	H
	3.0	F	F	G	H	H	F	F	F	F	H
	4.0	F	F	G	H	H	F	F	F	F	H
	5.0	F	F	G	H	H	F	F	F	F	H

## LINTEL FIXING OPTIONS

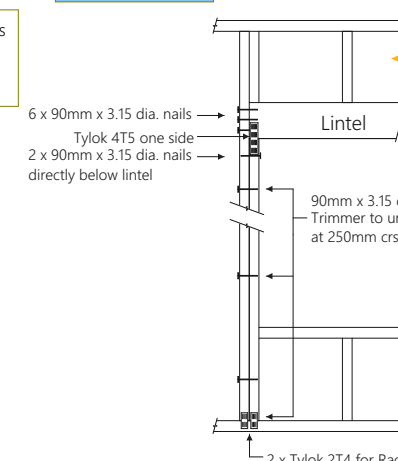
### TYPE E 1.4kN



For fixing of jack studs to lintel & top plate, refer to Stud to Top Plate Fixing Schedule

Stud numbers indicative only. Refer Table 8.5 NZS 3604:2011

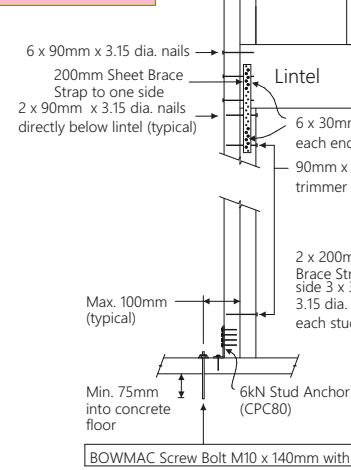
### TYPE F 4.0kN



For fixing of jack studs to lintel & top plate, refer to Stud to Top Plate Fixing Schedule

Stud numbers indicative only. Refer Table 8.5 NZS 3604:2011

### TYPE G 7.5kN

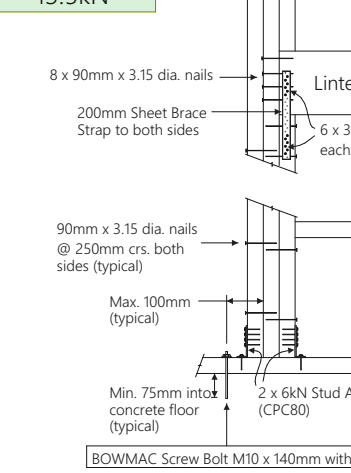


OR  
6 x 90mm x 3.15 dia. nails  
Tylok 10T10 to one side  
60mm (Two rows of teeth into understud)

For fixing of jack studs to lintel & top plate, refer to Stud to Top Plate Fixing Schedule.

Stud numbers indicative only. Refer Table 8.5 NZS 3604:2011

### TYPE H 13.5kN



OR  
8 x 90mm x 3.15 dia. nails  
Tylok 10T10 to both sides  
60mm (Two rows of teeth into understud)

For fixing of jack studs to lintel & top plate, refer to Stud to Top Plate Fixing Schedule.

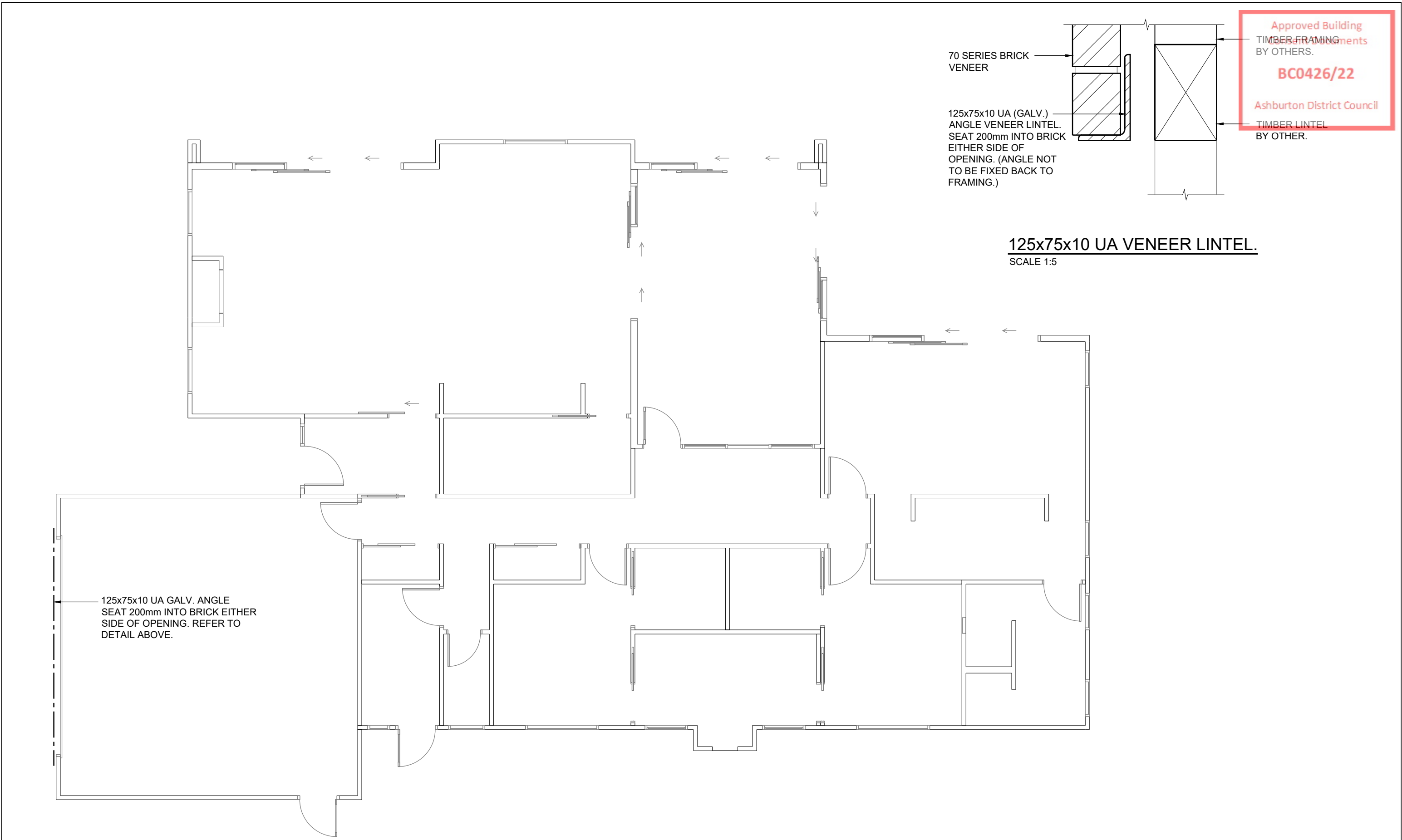
Stud numbers indicative only. Refer Table 8.5 NZS 3604:2011

NEW RESIDENCE  
LOT 7 MEADOWLANDS GREEN,  
ASHBURTON.

STRUCTURAL DRAWING LIST  
13897

DWG No.	TITLE			
S.01	FLOOR LAYOUT AND DETAIL	0		
ISSUED TO:				
workingdrawings@mikegreerhomes.co.nz		A		
		DATE	01-06-2022	





Approved Building  
Consent  
BC0426/22  
Ashburton District Council

125x75x10 UA VENEER LINTEL.  
SCALE 1:5

FLOOR LAYOUT  
SCALE 1:75

CONSTRUCTION ISSUE

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

	CLIENT MIKE GREER HOMES - MID CANTERBURY.	PROJECT TITLE LOT 7 MEADOWLANDS GREEN, ASHBURTON.	DRAWING TITLE FLOOR LAYOUT AND DETAIL.	REV.	BY.	DATE:	COMMENT:	DESIGN.	JOB No.	DRAWING No.	REV.
				0	S.N.	01-06-2022	ISSUED FOR CONSTRUCTION	C.B.	13897	S.01	0
								DRAWN.	SCALE @ A3		
								S.N.	1:75, 1:5		