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Approved Building Consent Documents

Please Note: A copy of the stamped approved documents must be available on site for all inspections.

Inspection booking timeframes

Call received	before 3pm inspection will be done	after 3pm inspection will be done
Monday	Wednesday	Thursday
Tuesday	Thursday	Friday
Wednesday	Friday	Monday
Thursday	Monday	Tuesday
Friday	Tuesday	Wednesday

Building inspections and enquiries phone: 03 347 2839

Please ensure all work for inspection is ready the day before. Incomplete work requiring re-inspection will incur an additional inspection fee.

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L o t 3 5 B E L L F I E L D

job title

BELLFIELD LOT 35

drawing title

De Grénon Architectural LTD

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

NOTES:
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designer: TJG
drawn: TJG

ammendment date:
27/08/2021

scale

job #
#Pln

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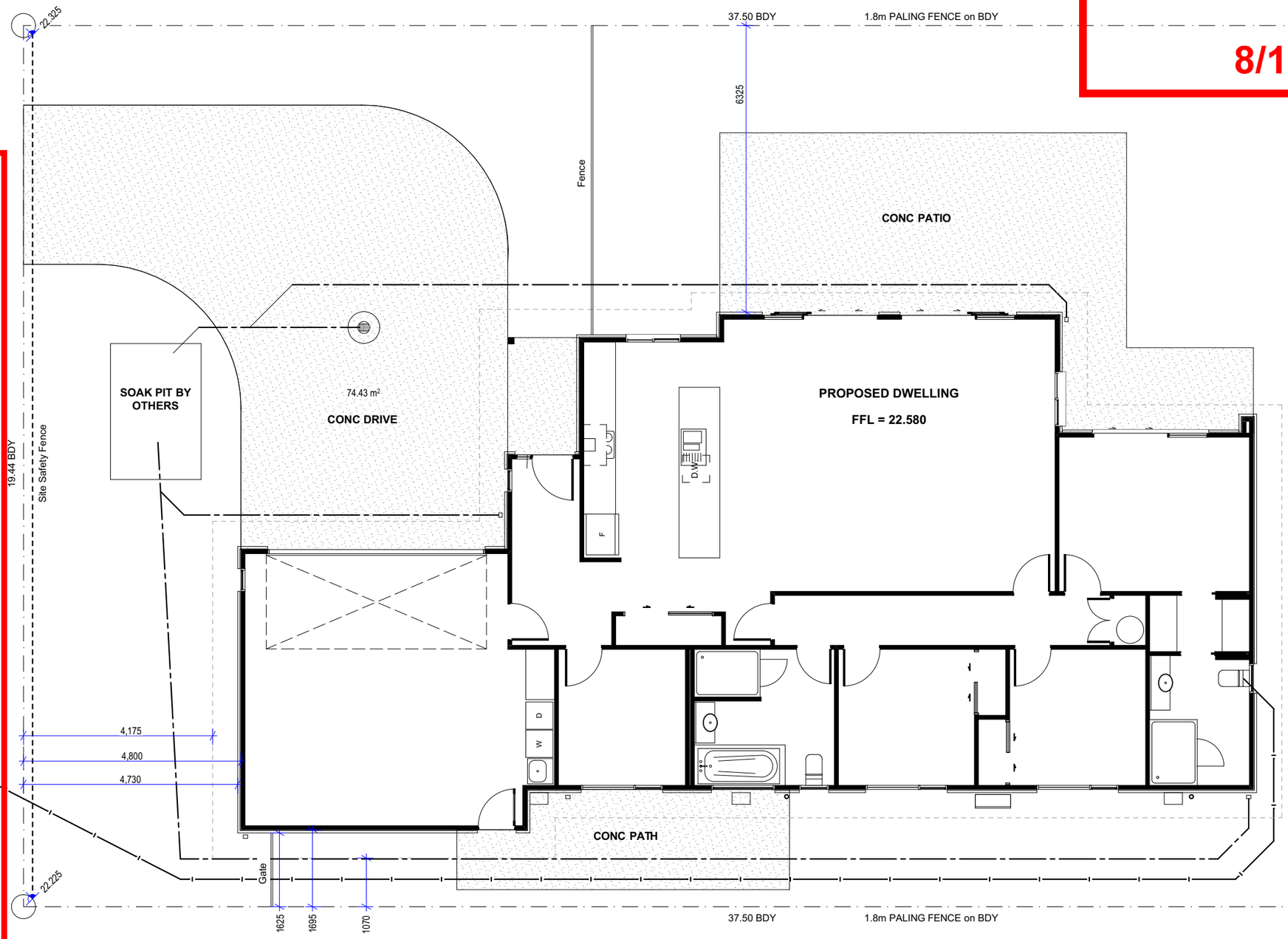
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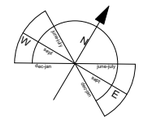
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No building until S223/S224 issued

8/11/2021 sariag





LOT 35
BELLFIELD
729m²

BUILD AREA OVER FOUNDATION: 191.3m²

SITE COVERAGE: 201.6m² (27.6%)

Planning Zone = Residential 1
Wind Zone = High
EQ Zone = 2
Snow Zone = N4 (0.9KPa)
Corrosion Zone = B

Site Level Reference: N774847.929 E361972.026
RL 22.25 ISC

Foulwater Line

All Foul Sewer Drains Ø100 uPVC
@ 1 in 120

Storm Water Line

All Storm Water Drains Ø100 uPVC
@ 1 in 120

NOTE: Interior and Exterior Walking Surfaces to Comply with Table 2, Clause D1, NZBC

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

SITE PLAN

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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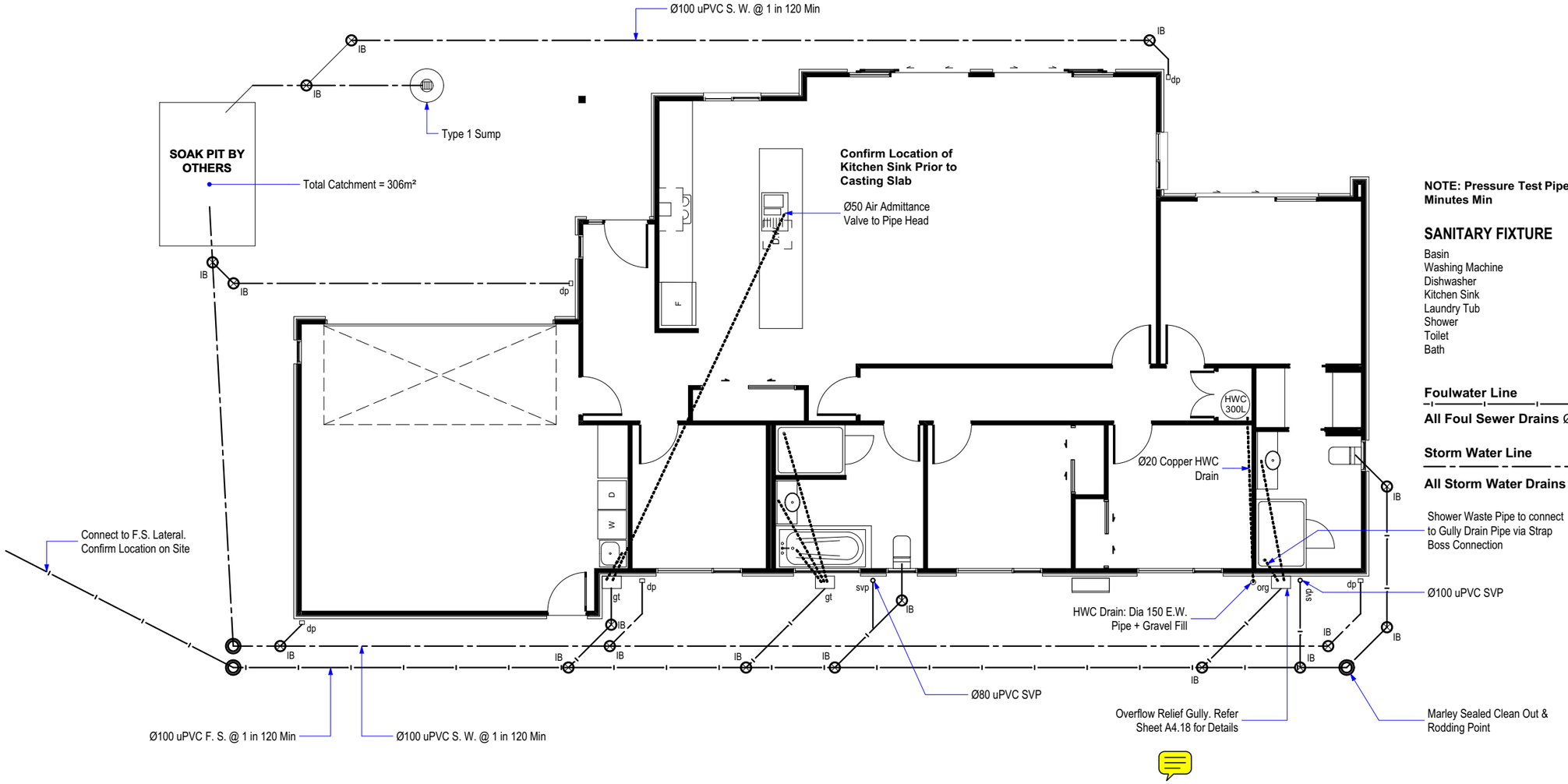
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NOTE: Pressure Test Pipe Systems @ 1500KPa for 15 Minutes Min

SANITARY FIXTURE	MIN DIA	MIN GRADE
Basin	40mm	1:20
Washing Machine	50mm	1:40
Dishwasher	50mm	1:40
Kitchen Sink	50mm	1:40
Laundry Tub	50mm	1:40
Shower	40mm	1:40
Toilet	100mm	1:60
Bath	40mm	1:60

Foulwater Line

All Foul Sewer Drains Ø100 uPVC @ 1 in 120

Storm Water Line

All Storm Water Drains Ø100 uPVC @ 1 in 120

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

DRAINAGE PLAN

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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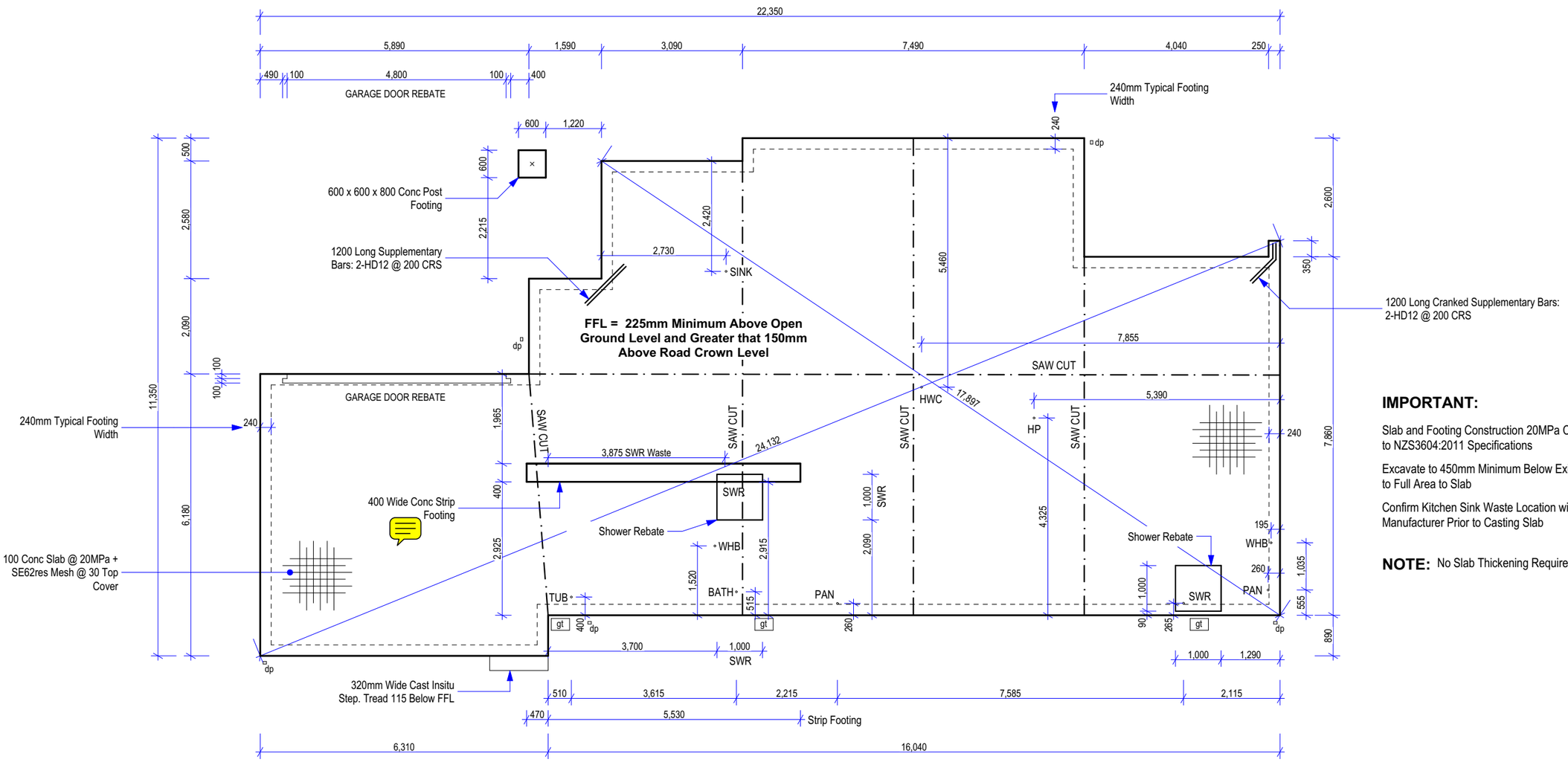
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IMPORTANT:

Slab and Footing Construction 20MPa Concrete Minimum to NZS3604:2011 Specifications

Excavate to 450mm Minimum Below Existing Ground Level to Full Area to Slab

Confirm Kitchen Sink Waste Location with Kitchen Manufacturer Prior to Casting Slab

NOTE: No Slab Thickening Required

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

FOUNDATION PLAN

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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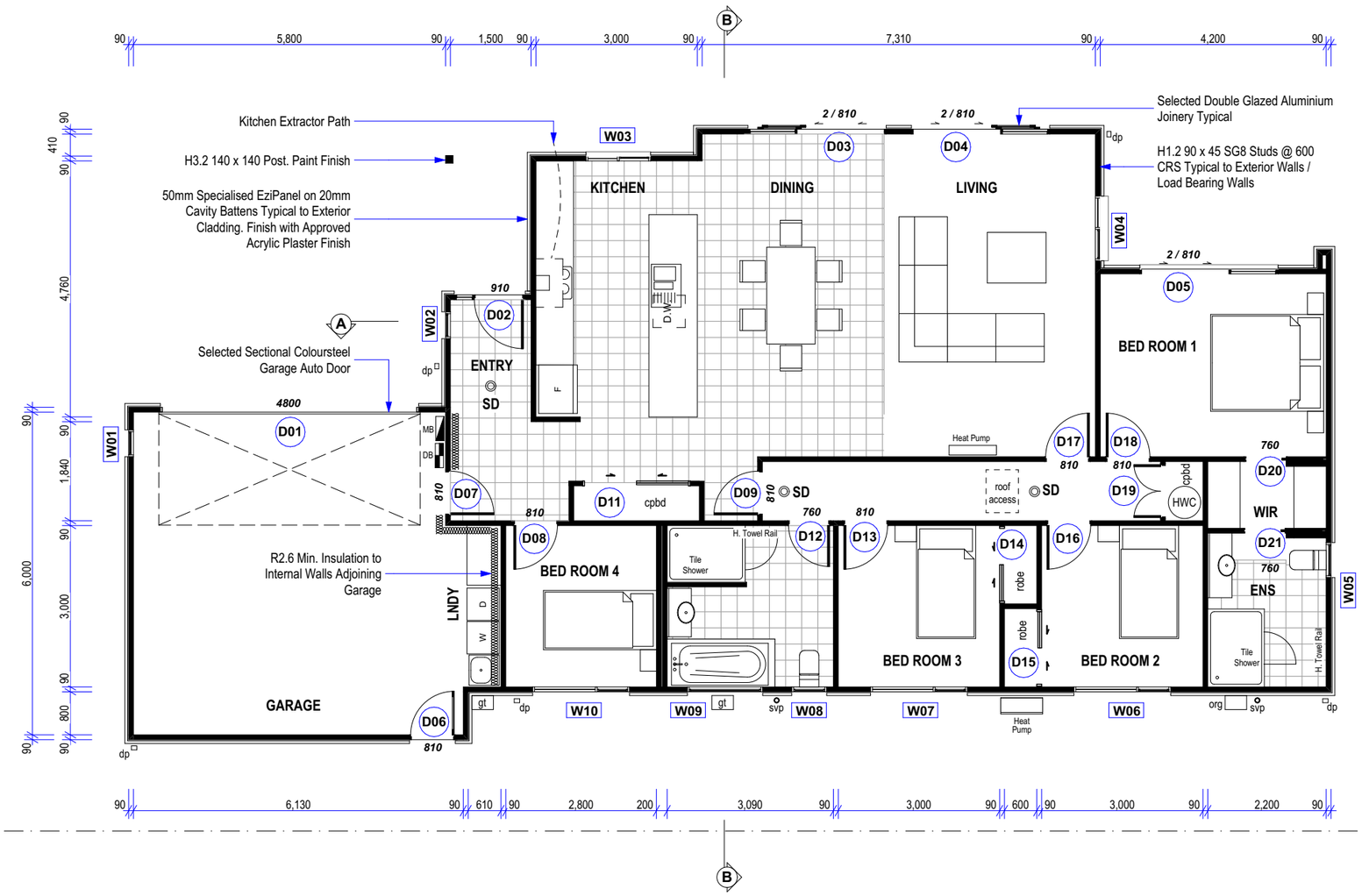
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SD◎ DENOTES SMOKE DETECTOR

DENOTES SELECTED CERAMIC TILES. UPSTANDS TO WALLS 120mm



LOT 35
BELLFIELD

729m²

BUILD AREA OVER FOUNDATION: 191.3m²

TOTAL PLANNING AREA : 195.5m²

TOTAL SITE COVERAGE = 26.8%

Planning Zone = Residential New Neighbourhood

Wind Zone = High

EQ Zone = 2

Snow Zone = N4 (0.9KPa)

Corrosion Zone = B

IMPORTANT:

All Framing to Load Bearing Walls H1.2 90 x 45 SG8: Studs @ 600 CRS, Dwangs @ 800 CRS Unless otherwise shown

All Framing to Non-Load Bearing Walls: H1.2 90 x 45 SG8 Studs @ 600 CRS, Dwangs @ 800 CRS Unless otherwise shown

Allow to Install 10mm Gib Aqualine to Wet Wall Areas

All Gib Finishing to Level 4

Allow to Extract Rangehood to Soffit

Allow to Install Frameless Safety Glass Splash Back to Kitchen Hob Extending to Range Hood Level

All Wall Surfaces to Kitchen Area and All Wet Areas to be Finished with Washable Acrylic Enamel Paints

All Hot Water Supply to Taps (Except Kitchen Sink) to be Tempered to 55 Deg C Max.

300L HWC to Comply with NZS4305 Energy Efficiency Standards. Allow to Fix with Seismic Straps in Compliance with NZBC

NOTE: Interior and Exterior Walking Surfaces to Comply with Table 2, Clause D1, NZBC

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

FLOOR PLAN

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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scale
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ammendment date:
8/11/2021

job #
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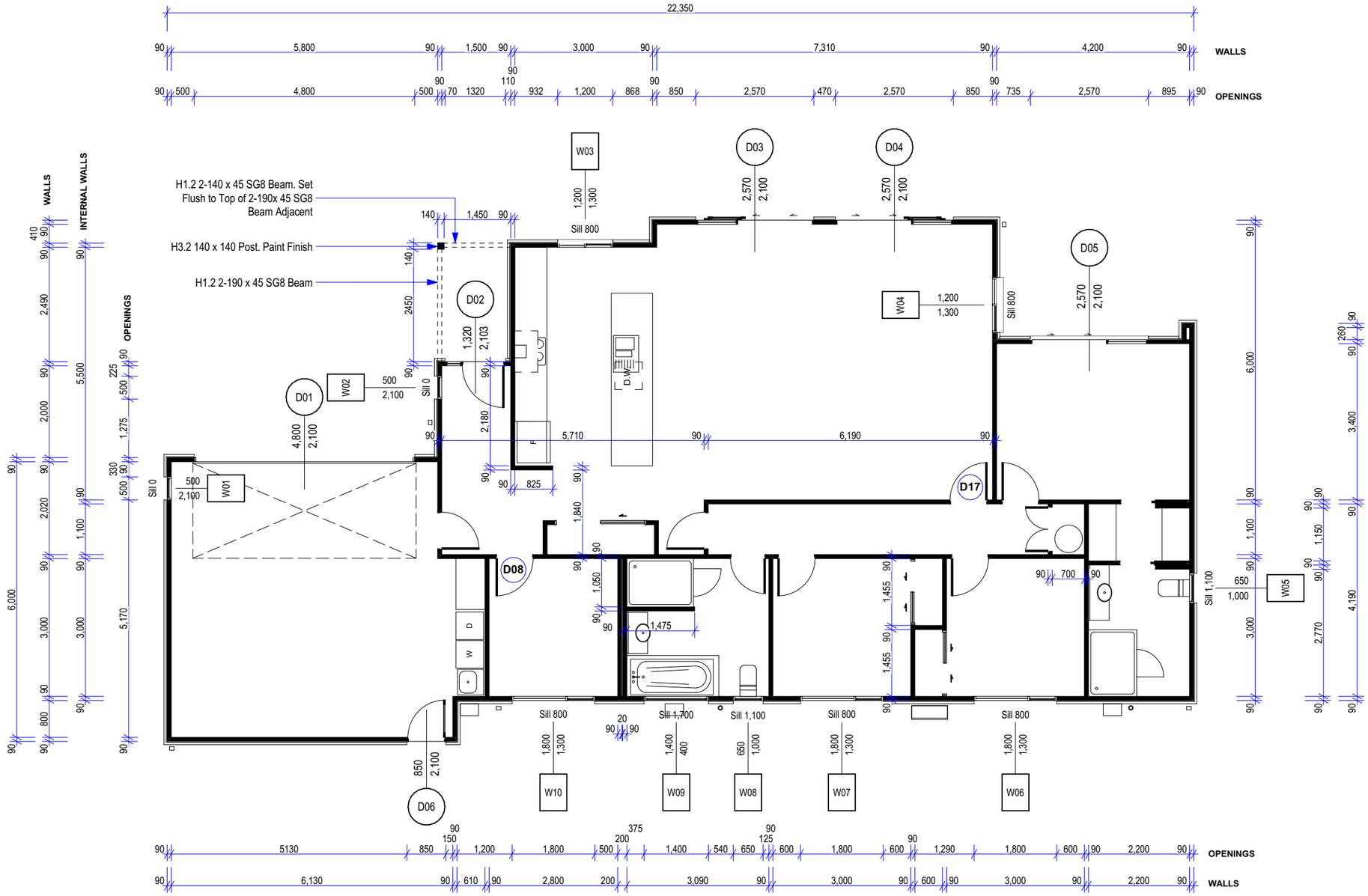
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TIMBER LINTEL SIZES

Window & Door	Size	Timber Treatment
W01	150 x 90 Hy90	H1.2
W02	150 x 90 Hy90	H1.2
W03	150 x 90 Hy90	H1.2
W04	150 x 90 Hy90	H1.2
W05	150 x 90 Hy90	H1.2
W06	150 x 90 Hy90	H1.2
W07	150 x 90 Hy90	H1.2
W08	150 x 90 Hy90	H1.2
W09	150 x 90 Hy90	H1.2
W10	150 x 90 Hy90	H1.2
D01	300 x 90 Hy90	H1.2
D02	150 x 90 Hy90	H1.2
D03	150 x 90 Hy90	H1.2
D04	150 x 90 Hy90	H1.2
D05	200 x 90 Hy90	H1.2
D06	150 x 90 Hy90	H1.2
D07	NLB	
D08	2 x 140 x 45	SG8 H1.2
D09	NLB	
D10	NLB	
D11	NLB	
D12	NLB	
D13	NLB	
D14	NLB	
D15	NLB	
D16	NLB	
D17	150 x 90 Hy90	H1.2
D18	NLB	
D19	NLB	
D20	NLB	
D21	NLB	

This Table MUST be Read In Conjunction with the Truss Designer's Documents



job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

SET OUT PLAN

TBC
Southbridge

Lot 35 DP XXXX
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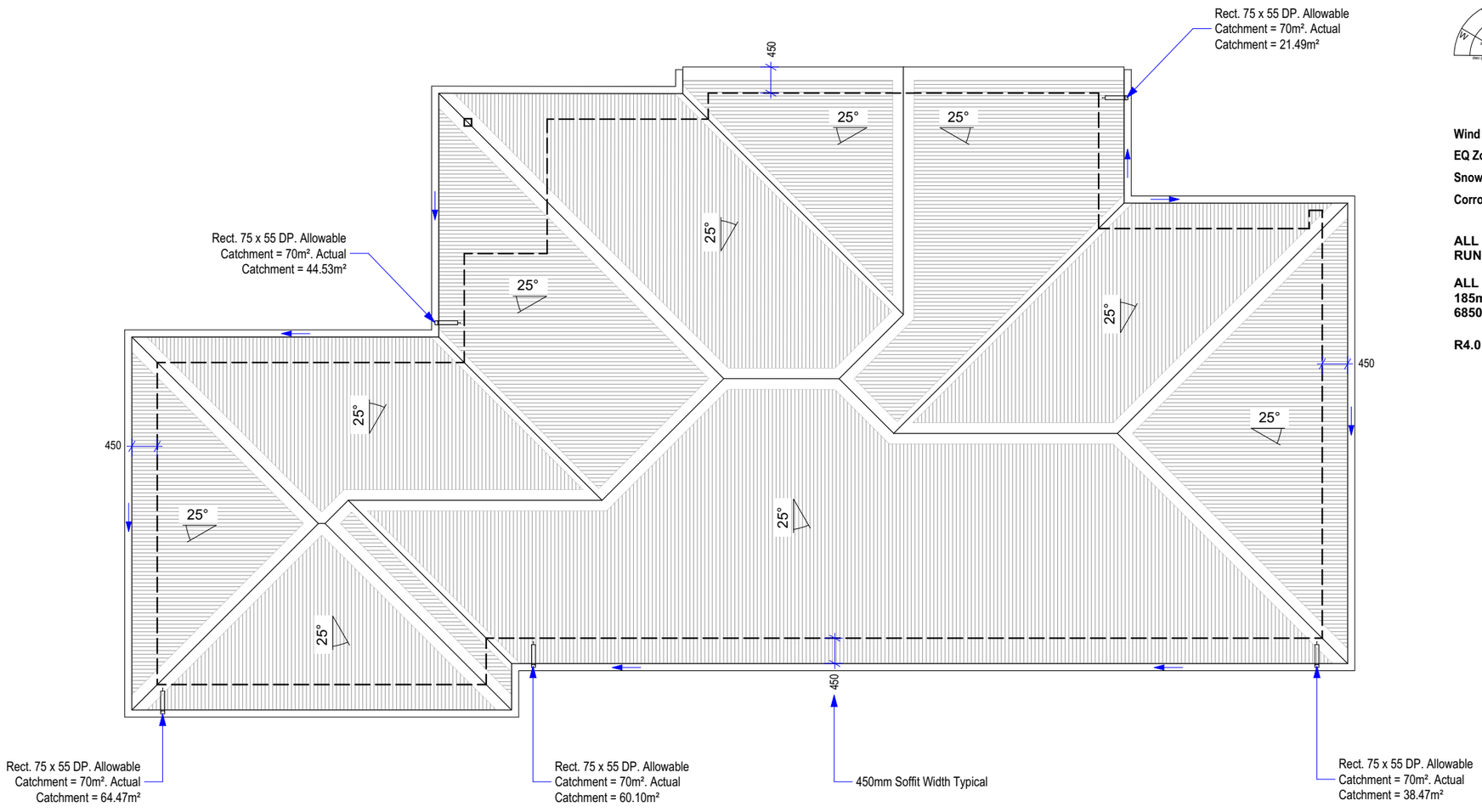
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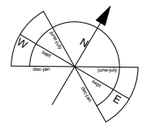
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Wind Zone = HIGH

EQ Zone = 2

Snow Zone = N4 (0.9KPa)

Corrosion Zone = B

ALL ROOFING 0.4 BMT CORRUGATED LONG RUN COLOURSTEEL

ALL SPOUTING TO BE C/S QUAD SI COLOURSTEEL ON 185mm C/S FASCIA. QUAD CROSS SECTION AREA = 6850mm²

R4.0 INSULATION BATTS TYPICAL TO CEILINGS

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

ROOF FINISHES PLAN

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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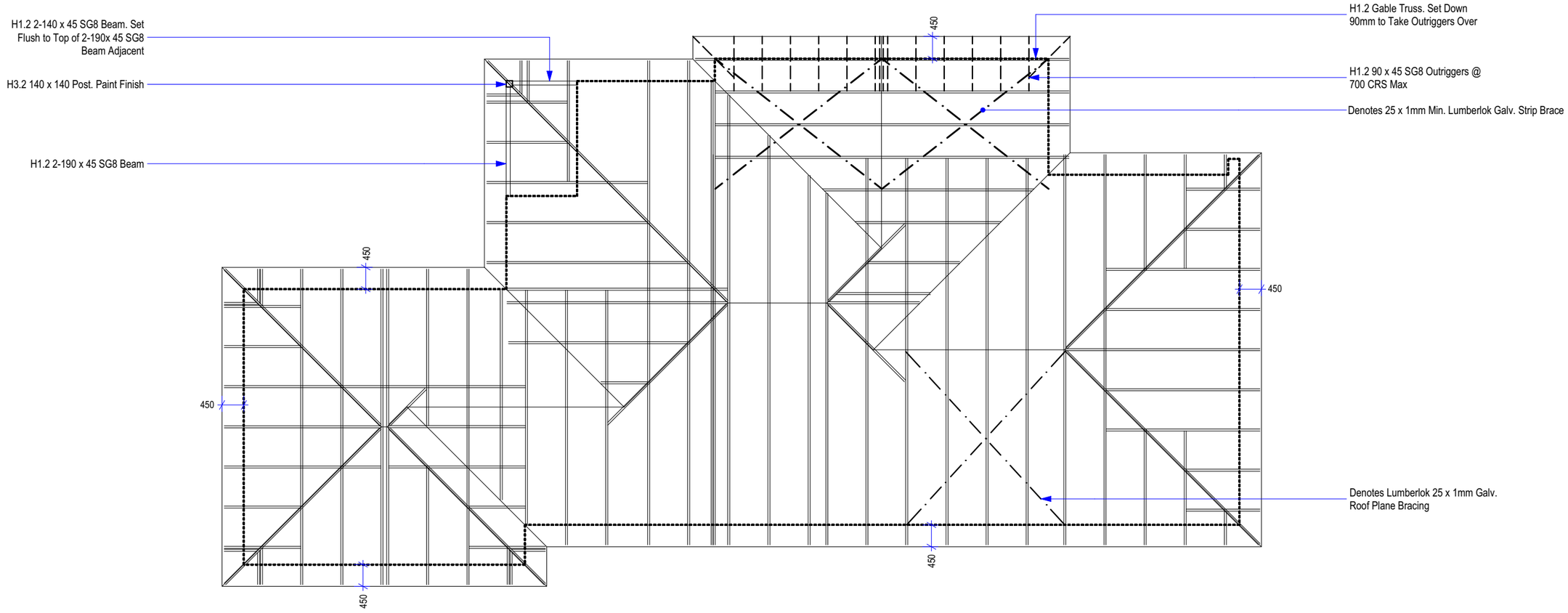
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NOTE: DRAWING SCHEMEATIC ONLY: REFER TO TRUSS DESIGNER'S DOCUMENTATION FOR DETAILS

IMPORTANT: INSTALL SOLID BLOCKING BETWEEN TRUSSES OVER TOP PLATES

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

ROOF FRAMING PLAN

TBC
Southbridge

Lot 35 DP XXXX
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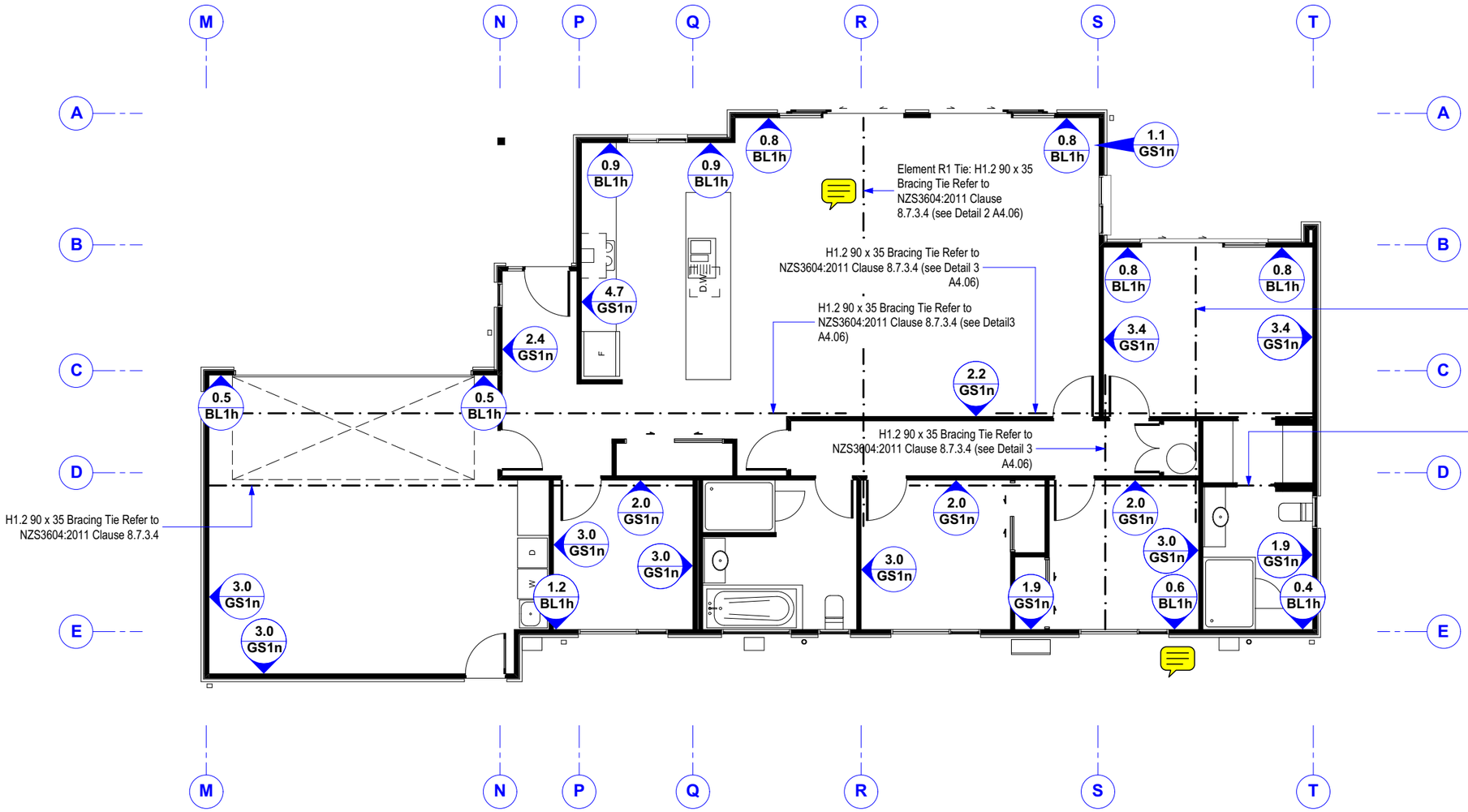
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IMPORTANT:

Refer to Gib Bracing Specifications & Gib Site Guide for Fixing Gib Bracing Elements

Refer to Gib EasyBrace 2016 Calculation Sheet for BU's For Each Bracing Element

Wind Zone = HIGH

EQ Zone = 2

Snow Zone = N4 (0.9KPa)

Corrosion Zone = B

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

BRACING PLAN

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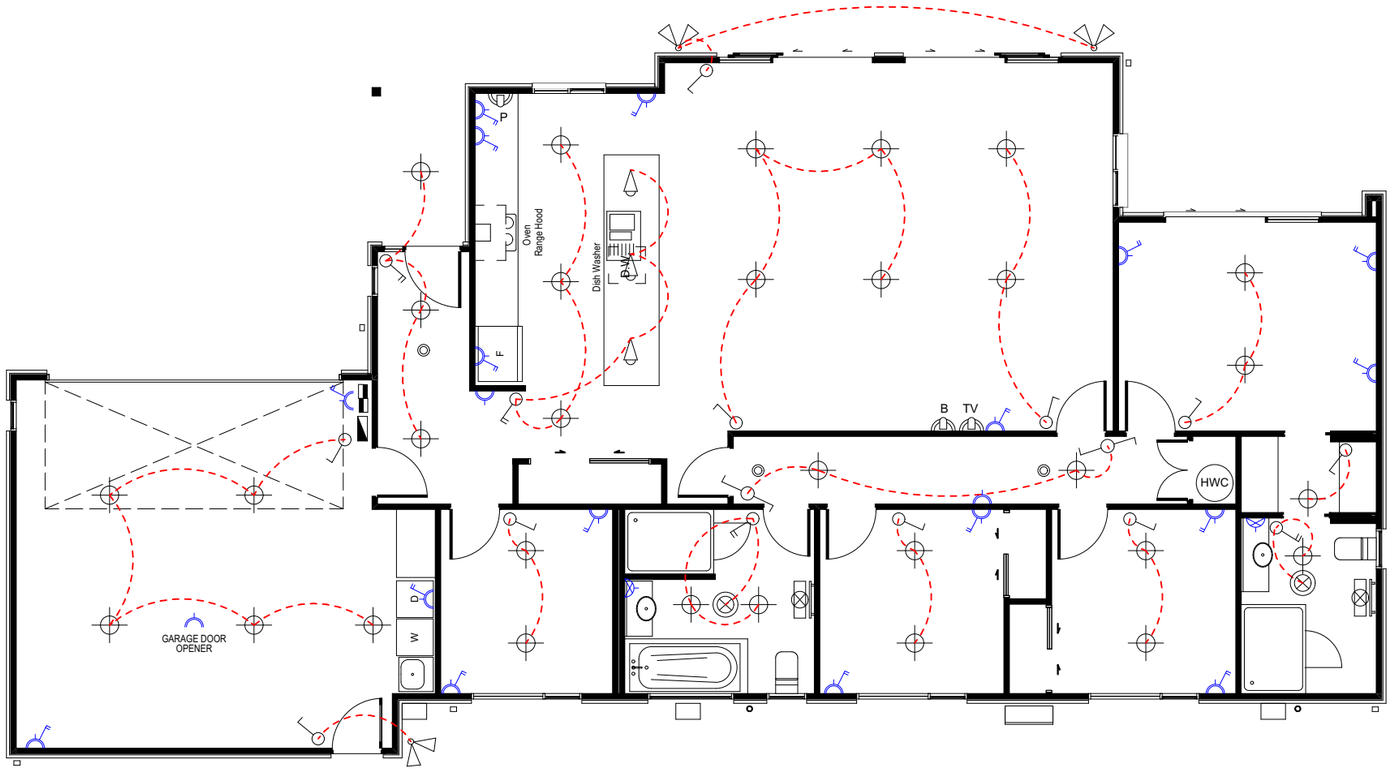
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LEGEND TO SYMBOLS

- SINGLE WALL MOUNT SWITCH
- DOUBLE WALL MOUNT SWITCH
- TRIPLE WALL MOUNT SWITCH
- DOUBLE POLE WALL MOUNT SWITCH
- SINGLE WALL MOUNT OUTLET WITH SWITCH
- DOUBLE WALL MOUNT OUTLET WITH SWITCHES
- SINGLE RCD OUTLET
- CEILING FLUSH MOUNT LED CA LUMINERE
- EYEBALL DOWN LIGHT
- PENDANT LUMINERE
- LIGHTING CIRCUIT
- B BROADBAND WALL SOCKET
- P TELEPHONE WALL SOCKET
- TV TV AERIAL SOCKET
- EXTERIOR SECURITY LAMP + IR SENSOR
- APPROVED SMOKE DETECTOR
- APPROVED METER BOX
- APPROVED DISTRIBUTION BOARD
- CEILING MOUNT EXTRACTOR FAN
- WALL MOUNT EXTERIOR LUMINERE
- HEATED TOWEL RAIL
- APPROVED BATHROOM FAN HEATER
- HP HEAT PUMP CONTROLLER

IMPORTANT:

Allow to Extract all Ceiling Fans to Soffits

All Lighting to Comply with Clause G8 of NZ Building Code

Extractor Fan to Walk In Pantry to Be Wired to Light Switch with 5 Minute Run On Timer

All Light Fittings Within the Thermal Envelope to be CA80, CA135, IC or IC-F Rated

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

ELECTRICAL PLAN

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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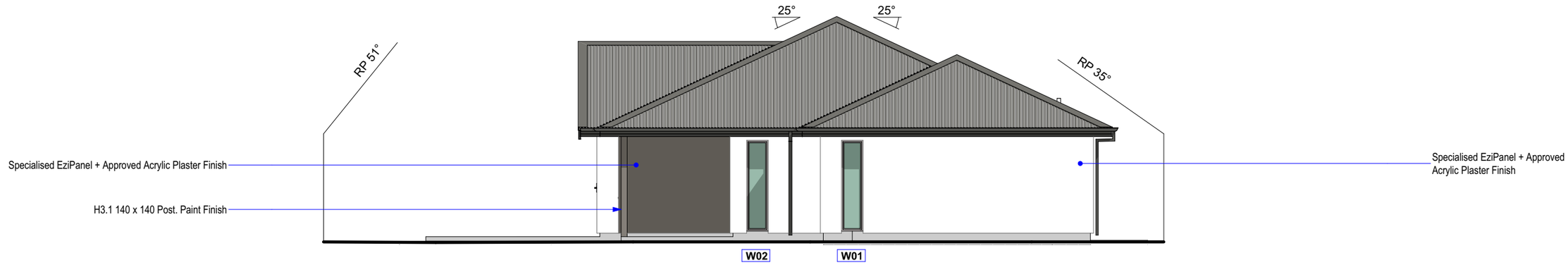
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BUILDING ENVELOPE RISK MATRIX		
EZI PANEL ALL ELEVATIONS		
Risk Factor	**Risk Severity**	**Risk Score**
Wind zone (per NZS 3604)	Very high risk	2
Number of storeys	Low risk	0
Roof/wall intersection design	Low risk	0
Eaves width	Medium risk	1
Envelope complexity	High risk	3
Deck design	Low risk	0
Total Risk Score:		**6**



1 North West Elevation 1:100

OBS DENOTES OBSCURE GLASS.
SG DENOTES SAFETY GLASS



2 South West Elevation 1:100

OBS DENOTES OBSCURE GLASS.
SG DENOTES SAFETY GLASS

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

ELEVATIONS

TBC
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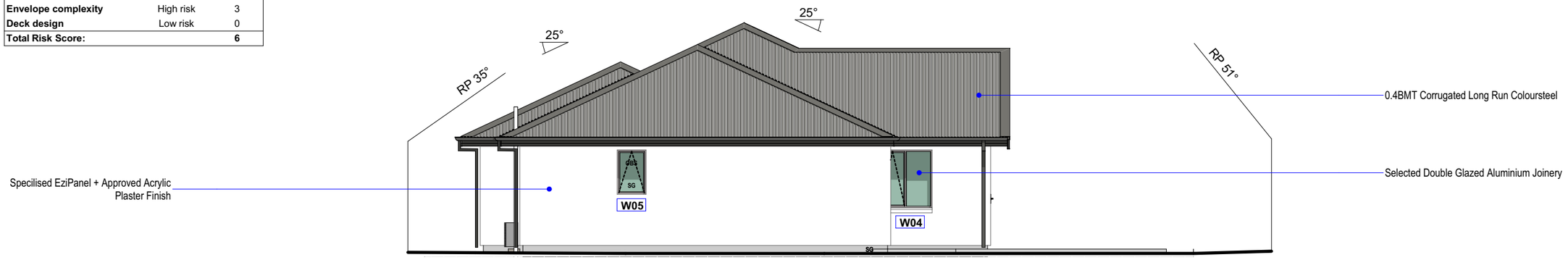
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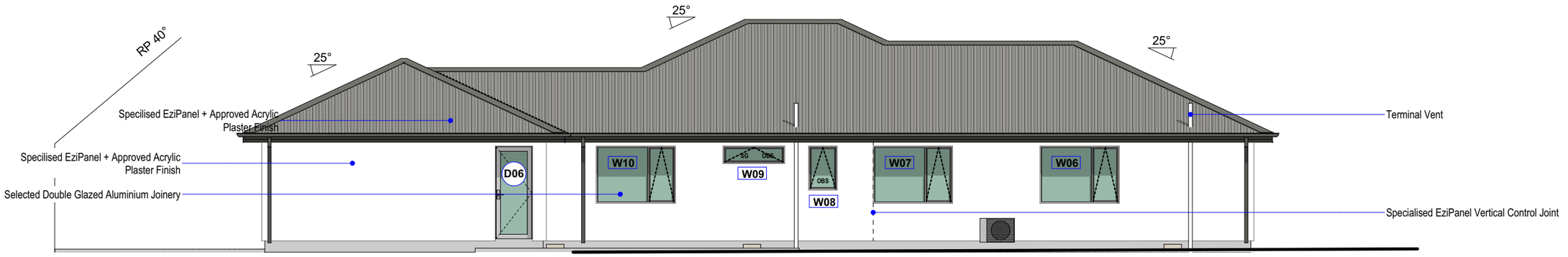
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BUILDING ENVELOPE RISK MATRIX		
EZI PANEL ALL ELEVATIONS		
Risk Factor	**Risk Severity**	**Risk Score**
Wind zone (per NZS 3604)	Very high risk	2
Number of storeys	Low risk	0
Roof/wall intersection design	Low risk	0
Eaves width	Medium risk	1
Envelope complexity	High risk	3
Deck design	Low risk	0
Total Risk Score:		**6**



3 North East Elevation 1:100

OBS DENOTES OBSCURE GLASS.
SG DENOTES SAFETY GLASS



4 South East Elevation 1:100

OBS DENOTES OBSCURE GLASS.
SG DENOTES SAFETY GLASS

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job title
BELLFIELD LOT 35

De Grénon Architectural LTD

drawing title
ELEVATIONS

TBC
Southbridge

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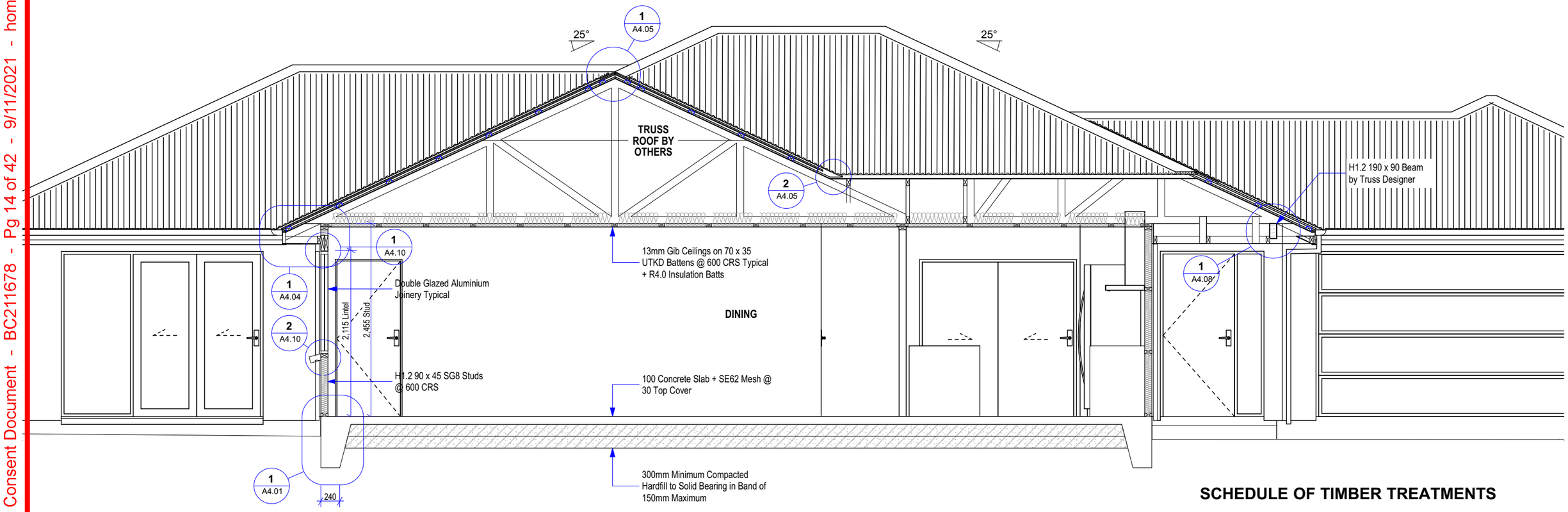
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SCHEDULE OF TIMBER TREATMENTS

MEMBER	TREATMENT	SPECIES
RAFTERS TO GUTTERS	H3.1	RADIATA PINE
TIMBER TRUSSES	H1.2	RADIATA PINE
PURLIN BATTENS	H1.2	RADIATA PINE
BOTTOM PLATES (CONC. SLAB)	H1.2	RADIATA PINE
STUDS (EXTERIOR WALLS)	H1.2	RADIATA PINE
RAFTERS	H1.2	RADIATA PINE
CAVITY BATTENS	H3.1	RADIATA PINE

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

CROSS SECTION A - A

TBC
Southbridge

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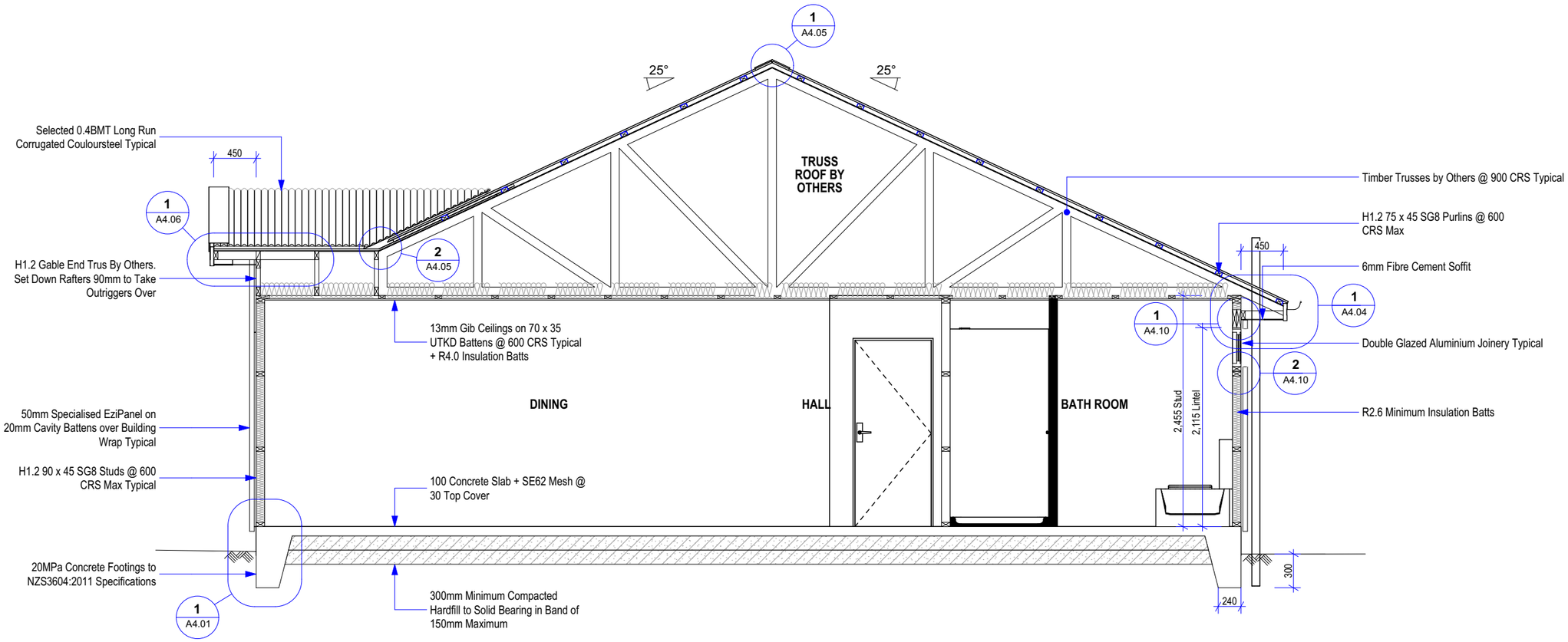
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SCHEDULE OF TIMBER TREATMENTS

MEMBER	TREATMENT	SPECIES
RAFTERS TO GUTTERS	H3.1	RADIATA PINE
TIMBER TRUSSES	H1.2	RADIATA PINE
PURLIN BATTENS	H1.2	RADIATA PINE
BOTTOM PLATES (CONC. SLAB)	H1.2	RADIATA PINE
STUDS (EXTERIOR WALLS)	H1.2	RADIATA PINE
RAFTERS	H1.2	RADIATA PINE
CAVITY BATTENS	H3.1	RADIATA PINE

job title

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BELLFIELD LOT 35

drawing title

CROSS SECTION A - A

TBC
Southbridge

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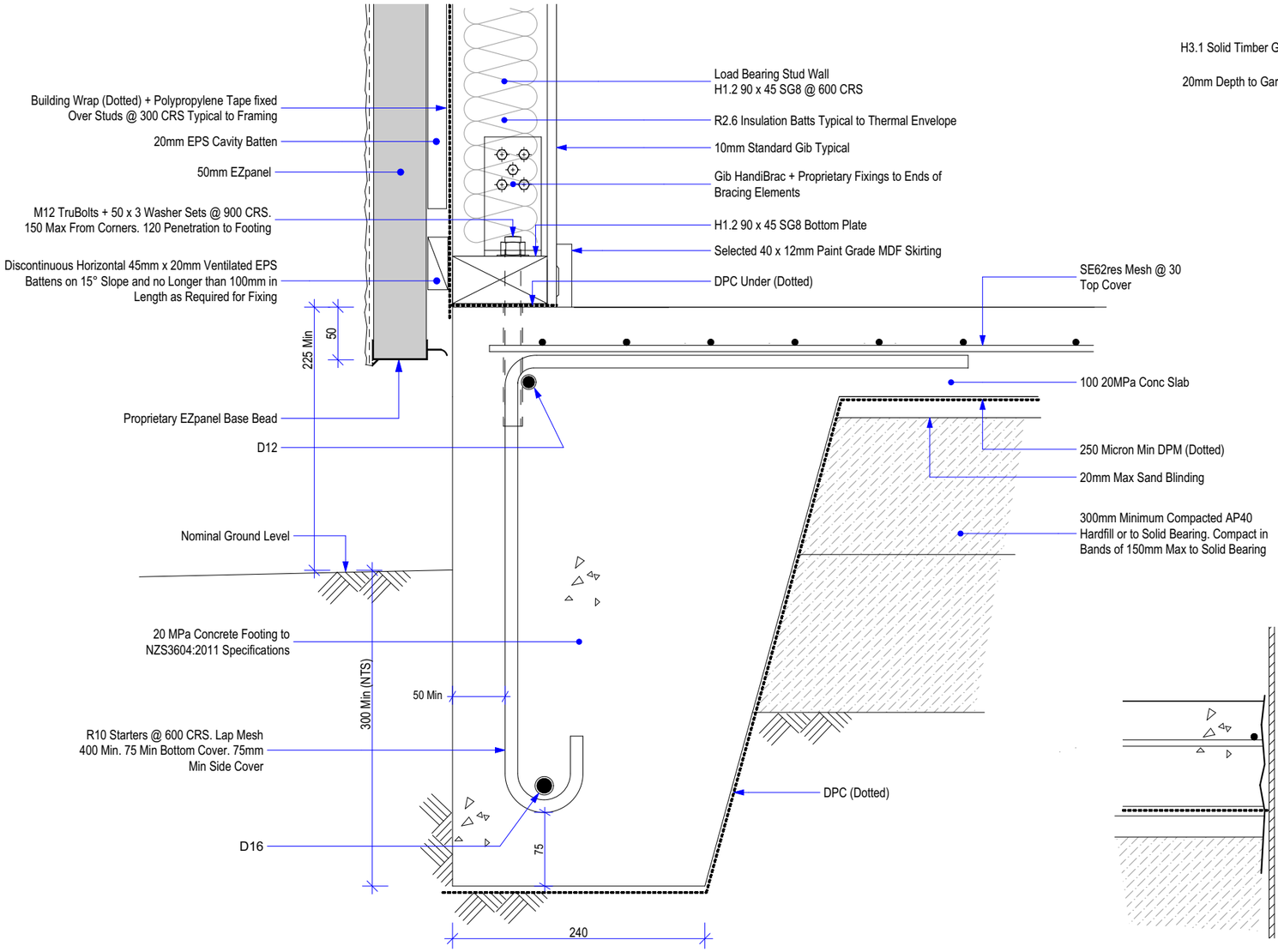
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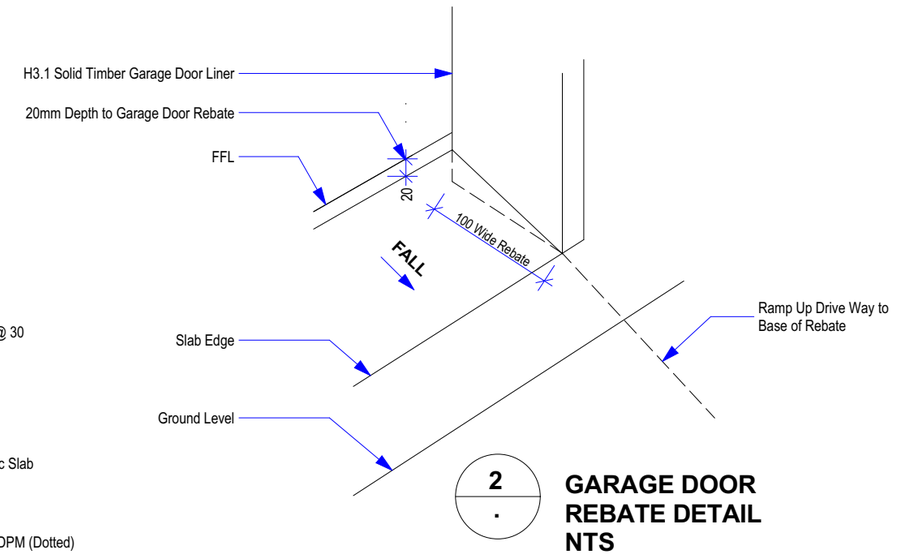
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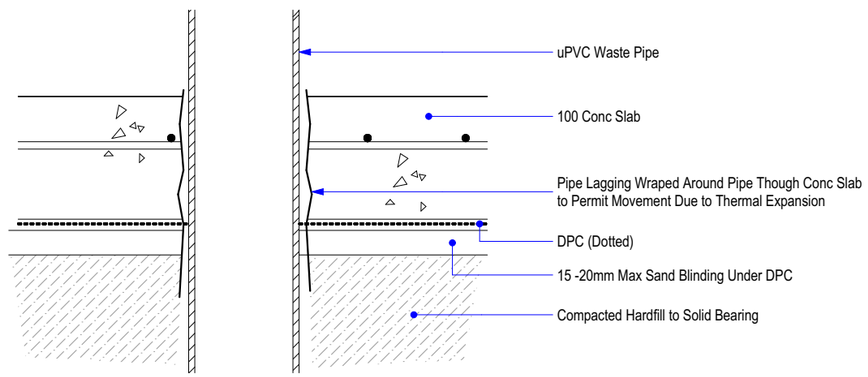
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1 . **SLAB EDGE DETAIL**
1 : 5



2 . **GARAGE DOOR REBATE DETAIL**
NTS



3 . **PIPE TO SLAB PENETRATION DETAIL**
NTS

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

NOTES:
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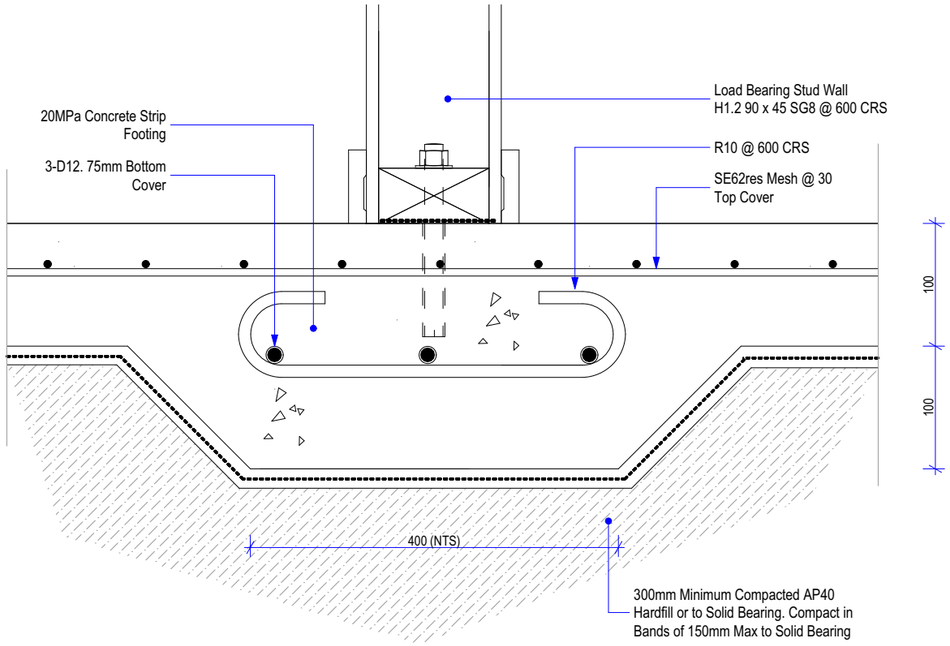
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designer: TJG
drawn: TJG
ammendment date: 27/08/2021

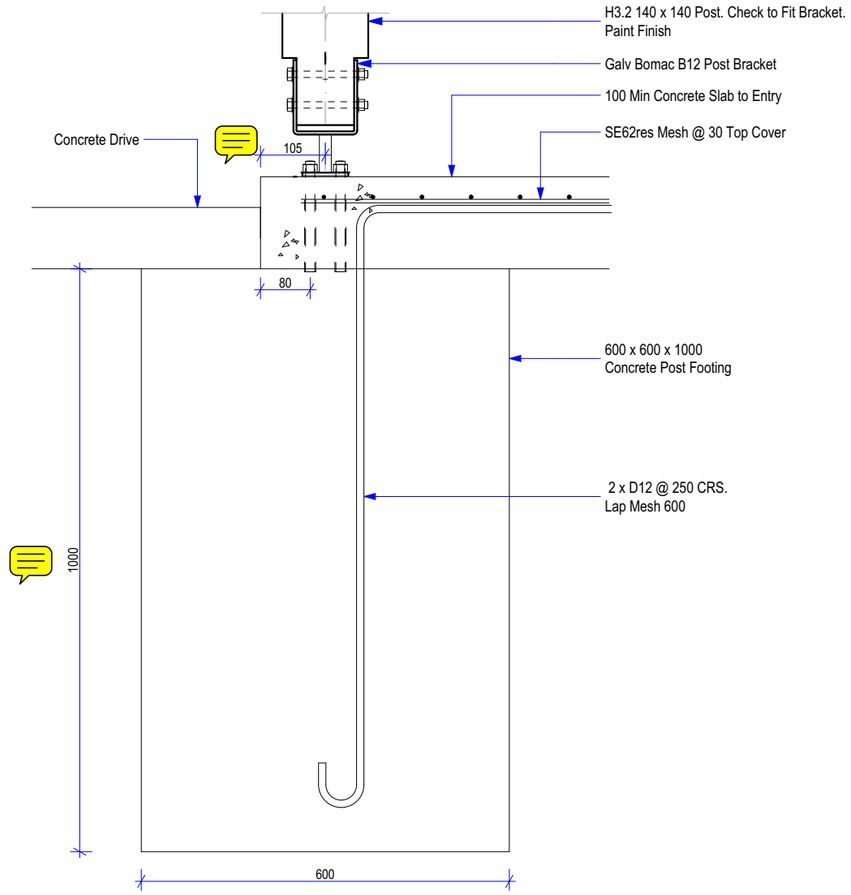
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#Pln

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1 . CONCRETE STRIP FOOTING DETAIL
1 : 5



2 . POST FOOTING DETAIL
1 : 10

SEE ALSO DETAIL 2 SHEET A4.08

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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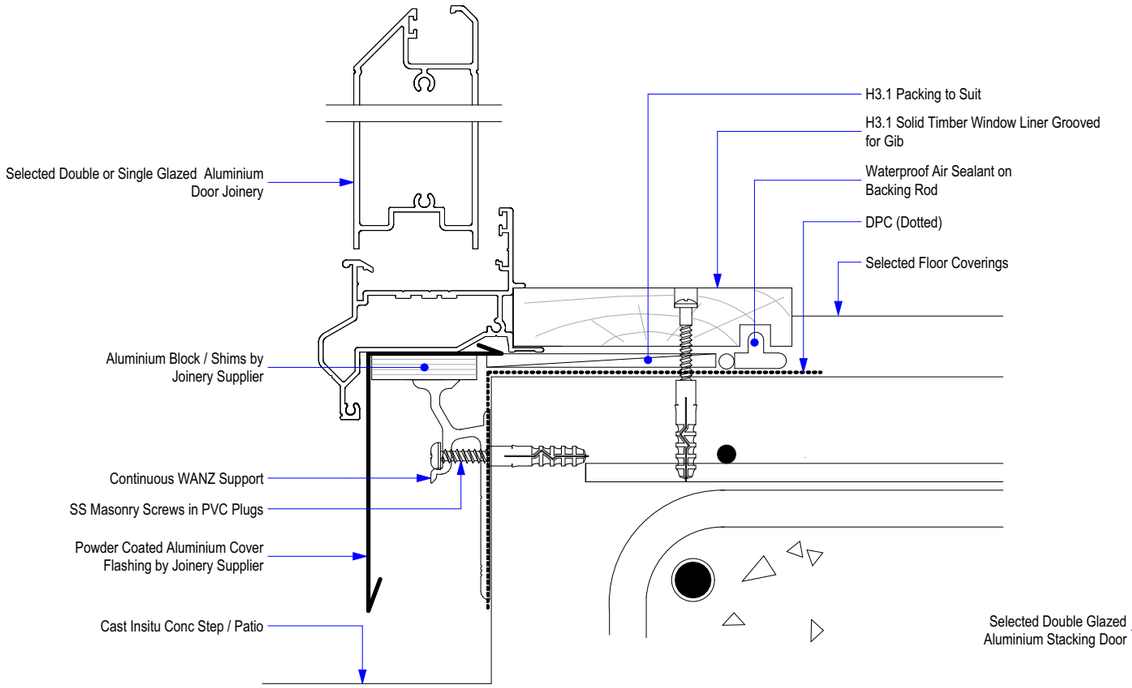
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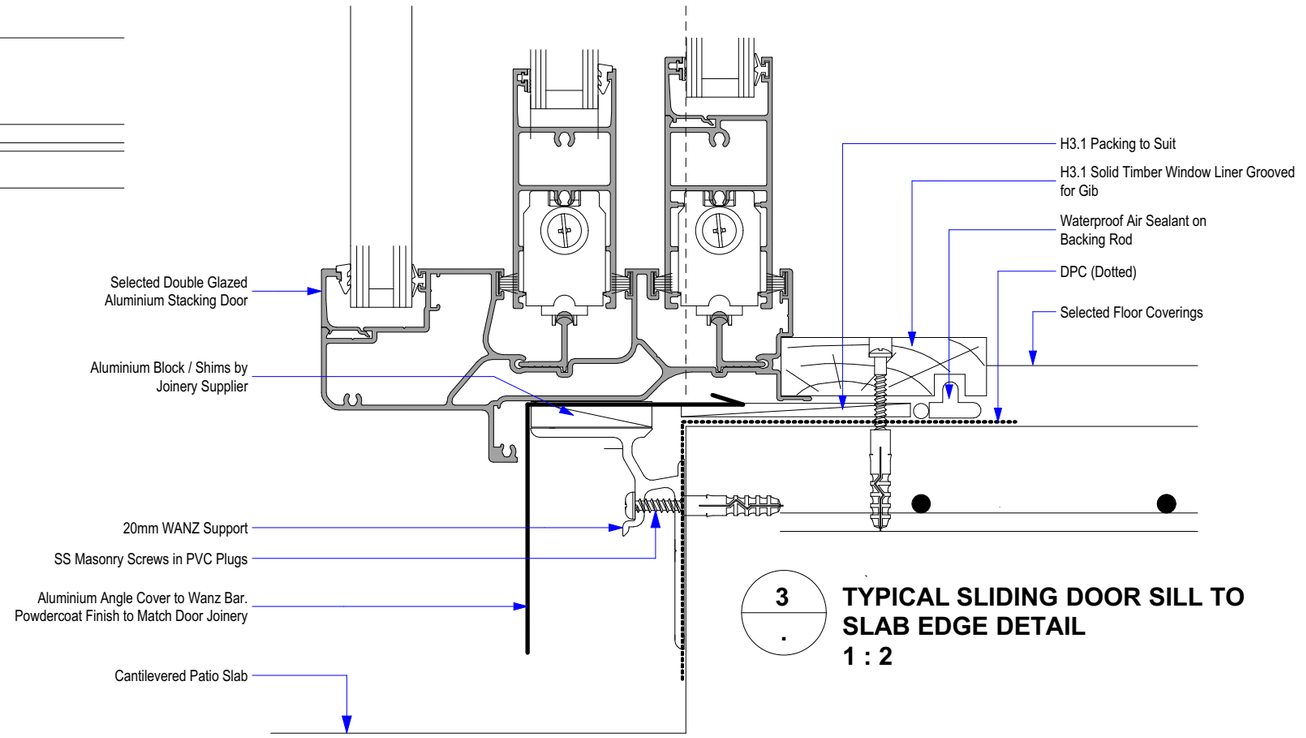
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1 . **HINGED ALUMINIUM DOOR TO SLAB EDGE DETAIL**
1 : 2



3 . **TYPICAL SLIDING DOOR SILL TO SLAB EDGE DETAIL**
1 : 2

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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drawn: TJG

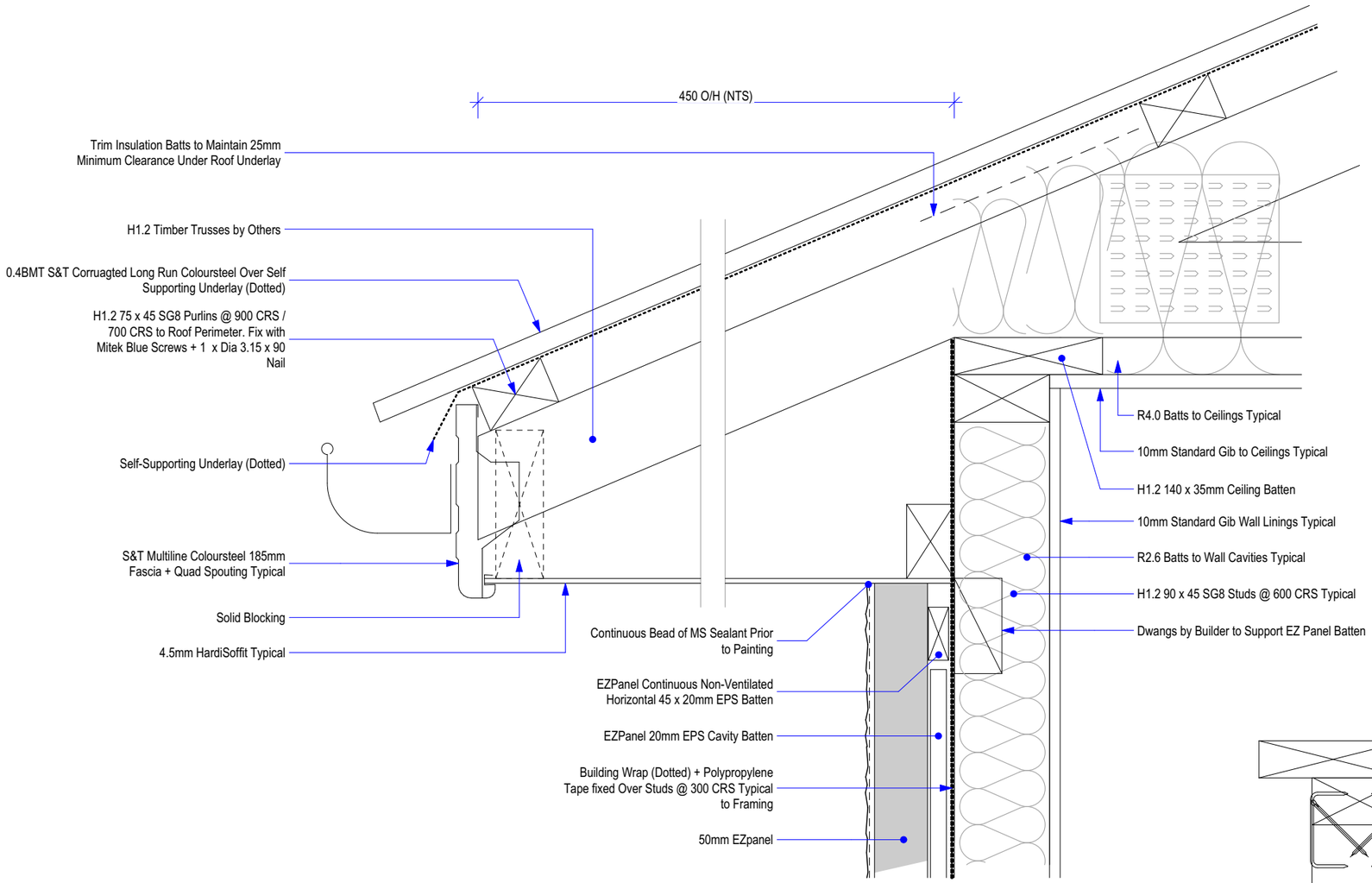
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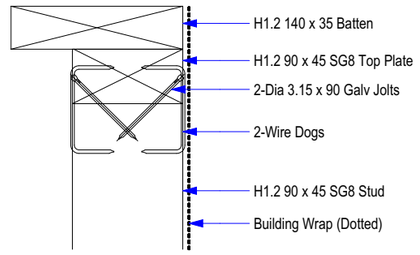
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1 . **TYPICAL EAVES DETAIL**
1 : 5



2 . **TOP PLATE FIXING DETAIL**
1 : 5
HIGH WIND ZONE

job title
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

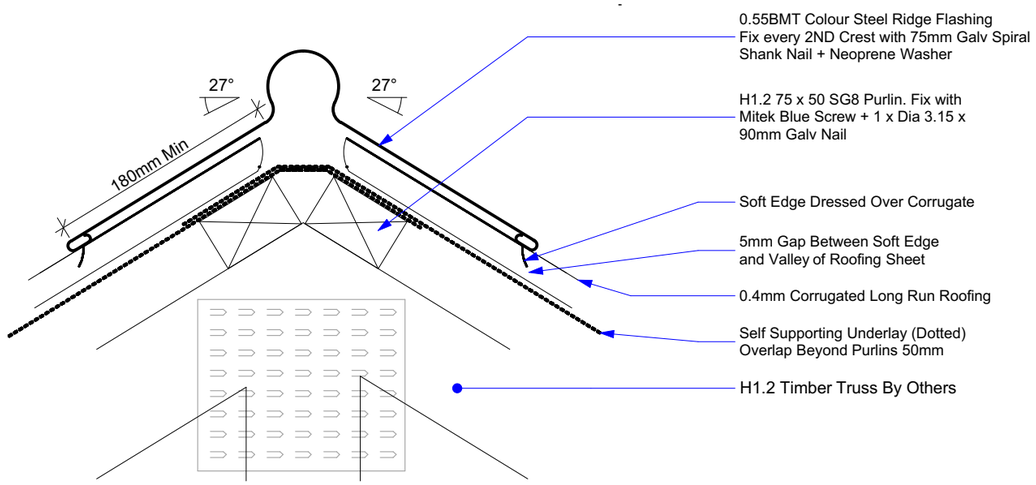
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Canterbury

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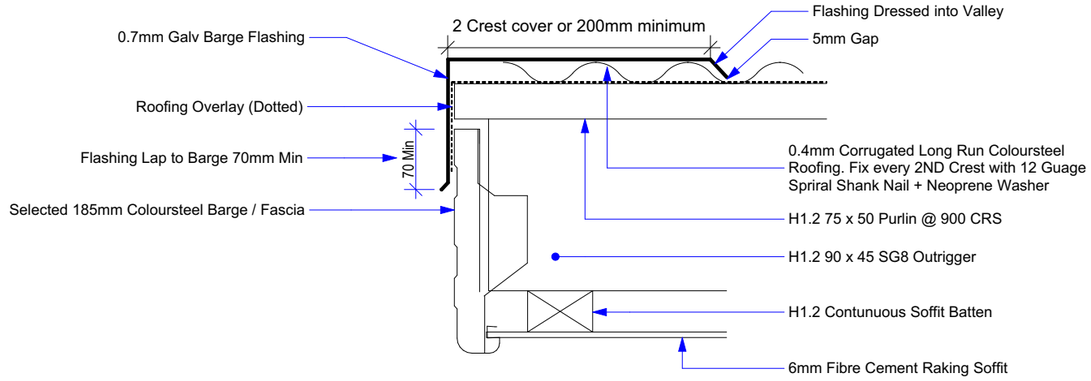
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ammendment date: 27/08/2021
job #
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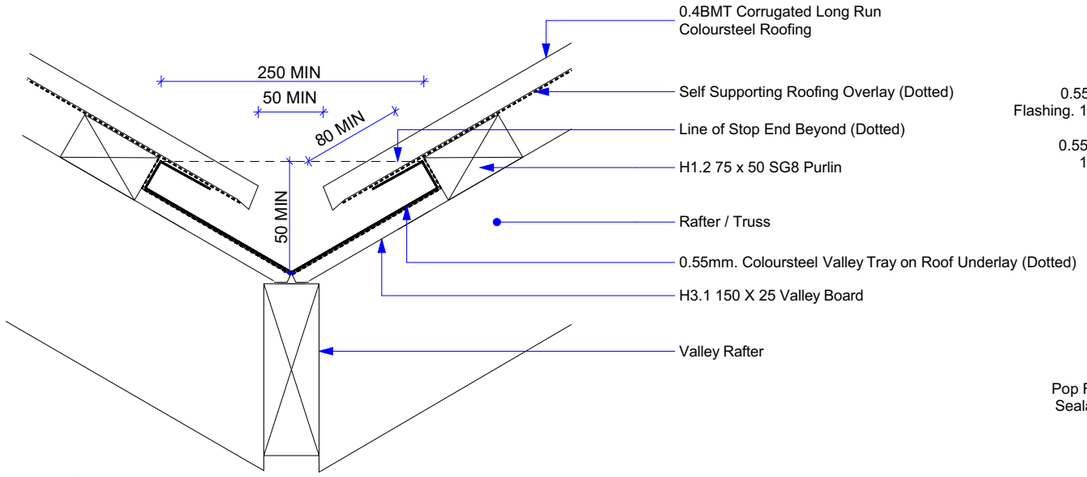
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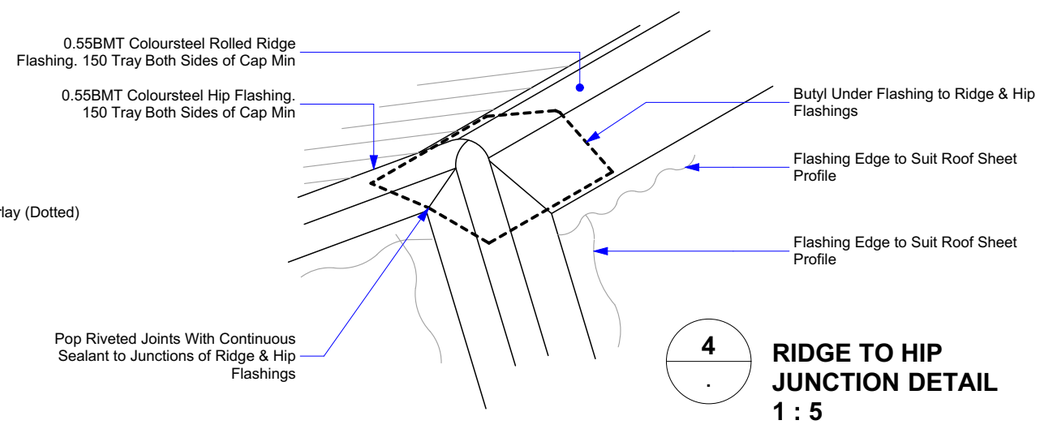
1 **RIDGE DETAIL**
1 : 5



3 **BARGE DETAIL**
1 : 5



2 **TYPICAL ROOF VALLEY GUTTER DETAIL**
1:5



4 **RIDGE TO HIP**
JUNCTION DETAIL
1 : 5

job title
BELLFIELD LOT 35

De Grénon Architectural LTD

drawing title
DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

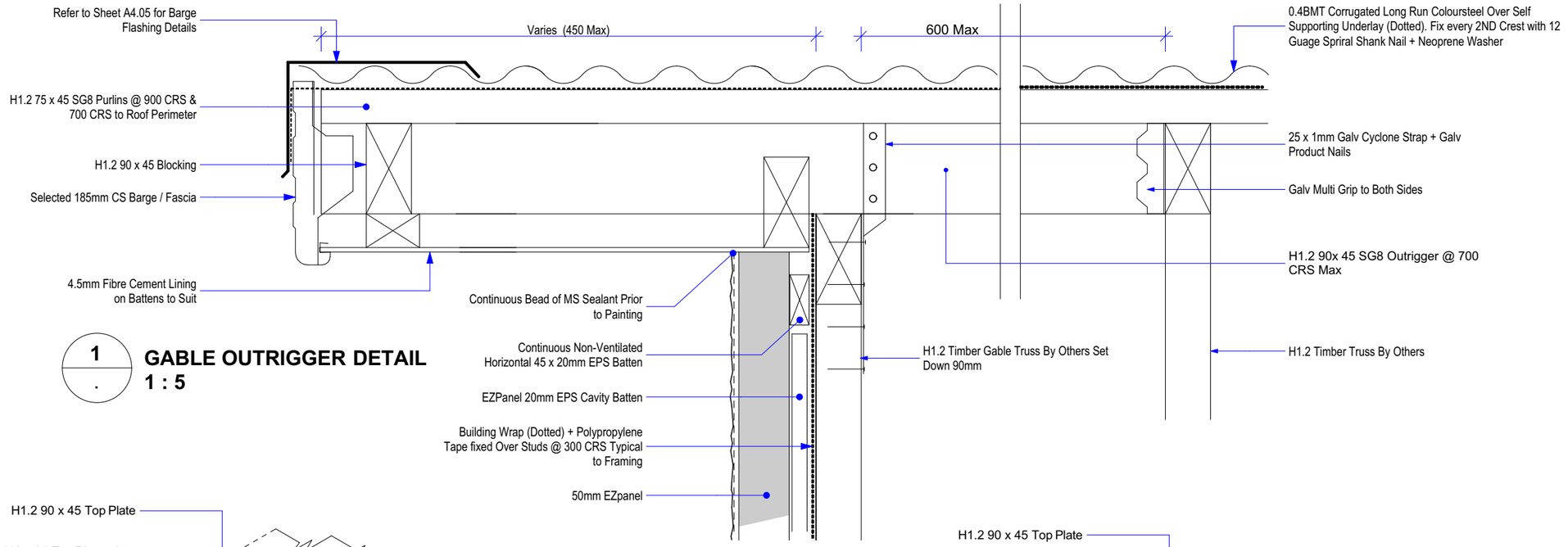
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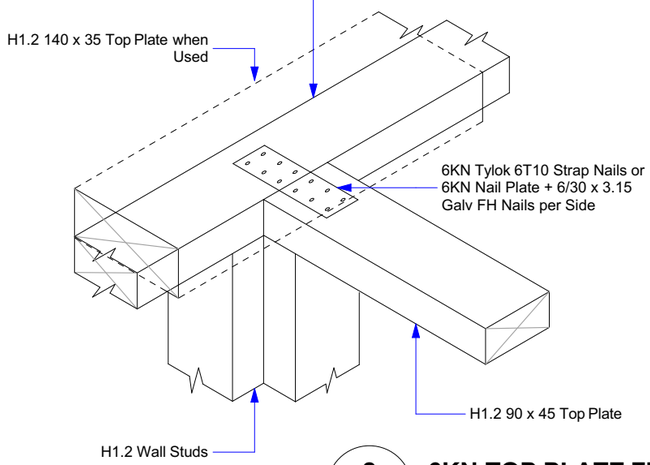
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Rev

ammendment date:
27/08/2021
job #
#Pln

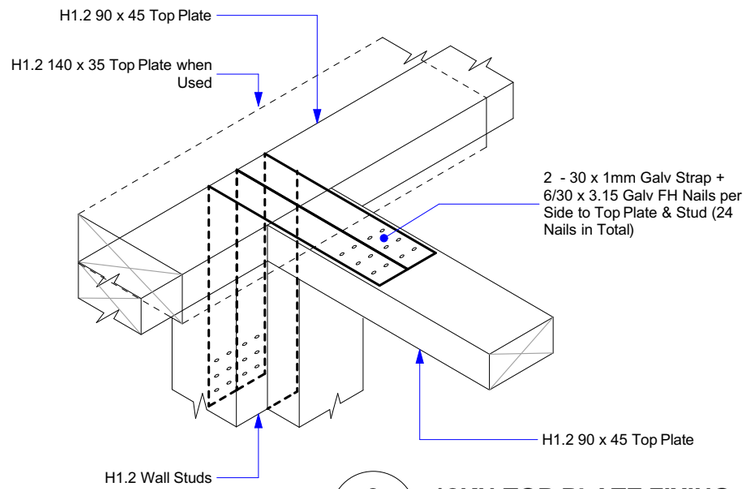
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1 . **GABLE OUTRIGGER DETAIL**
1 : 5



2 . **6KN TOP PLATE FIXING DETAIL**
NTS



3 . **12KN TOP PLATE FIXING DETAIL**
NTS
REQUIRED BOTH ENDS OF BRACING ELEMENT

job title
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

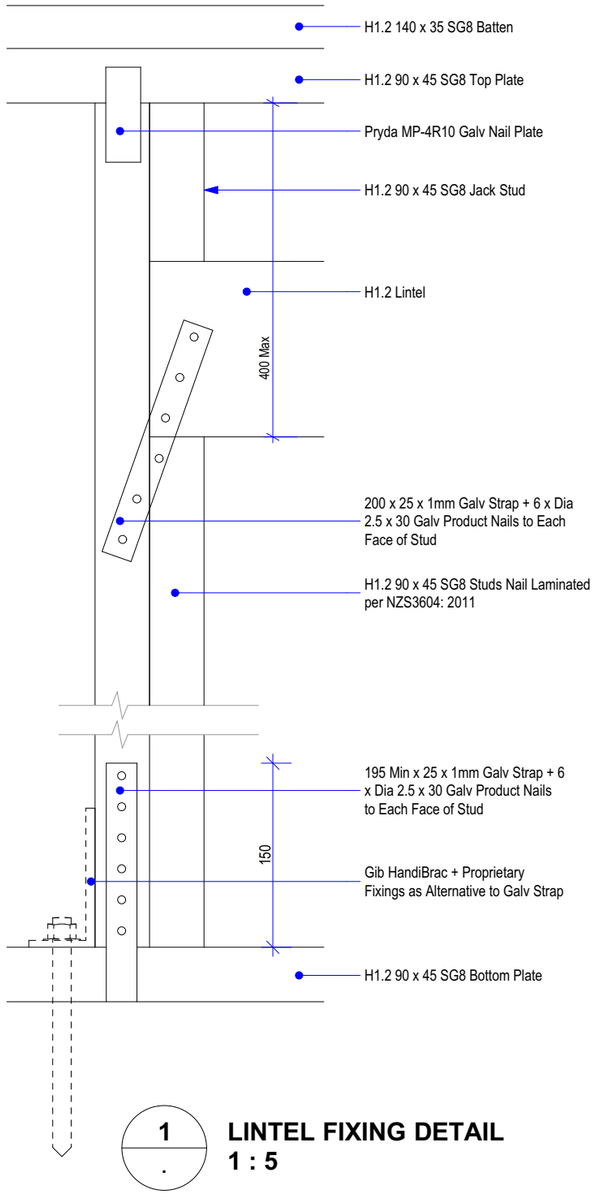
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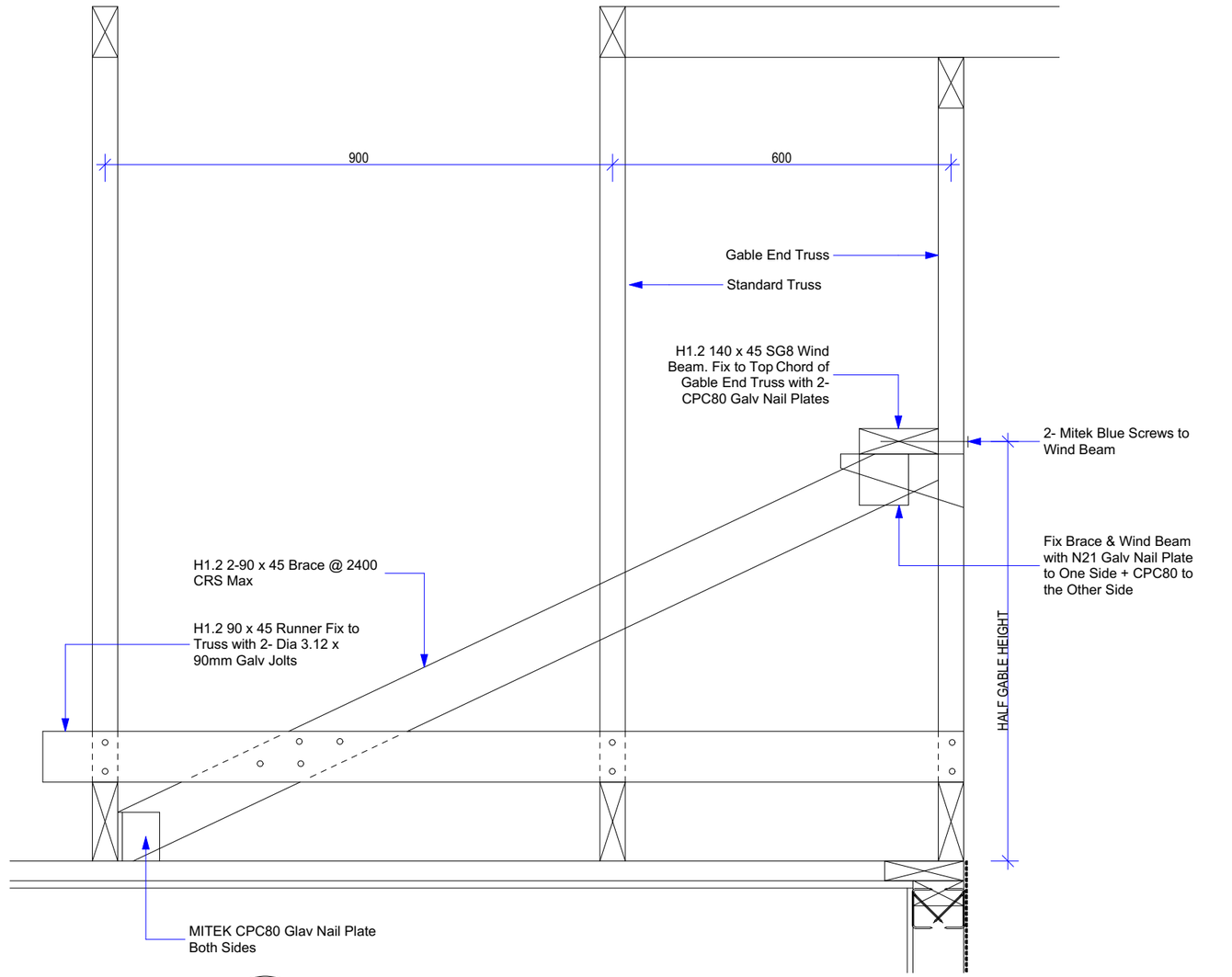
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ammendment date: 27/08/2021
job #
#Pln

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1 . **LINTEL FIXING DETAIL**
1 : 5



2 . **GABLE BRACE DETAIL TO LINEA GABLE CLADDING**
1 : 10

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

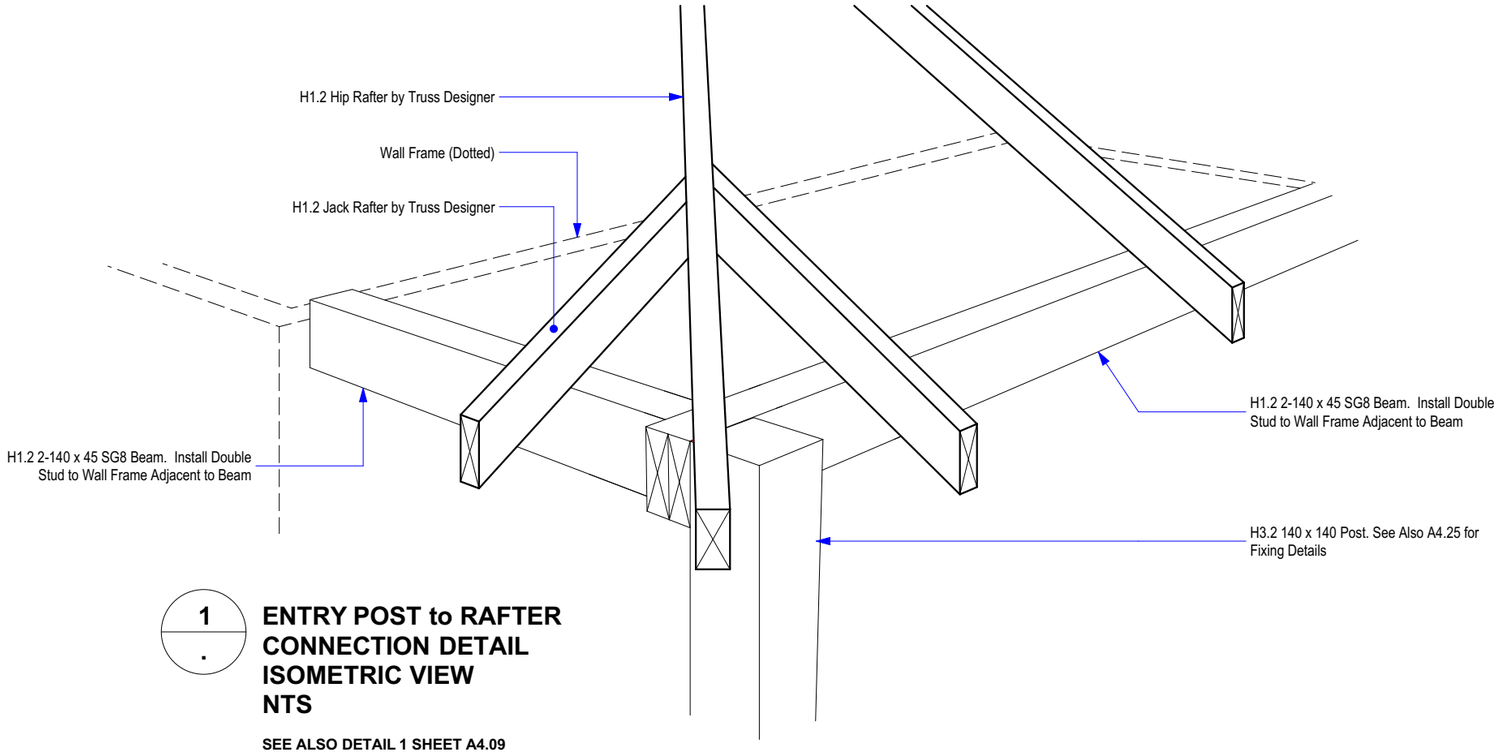
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ammendment date: 27/08/2021
job #
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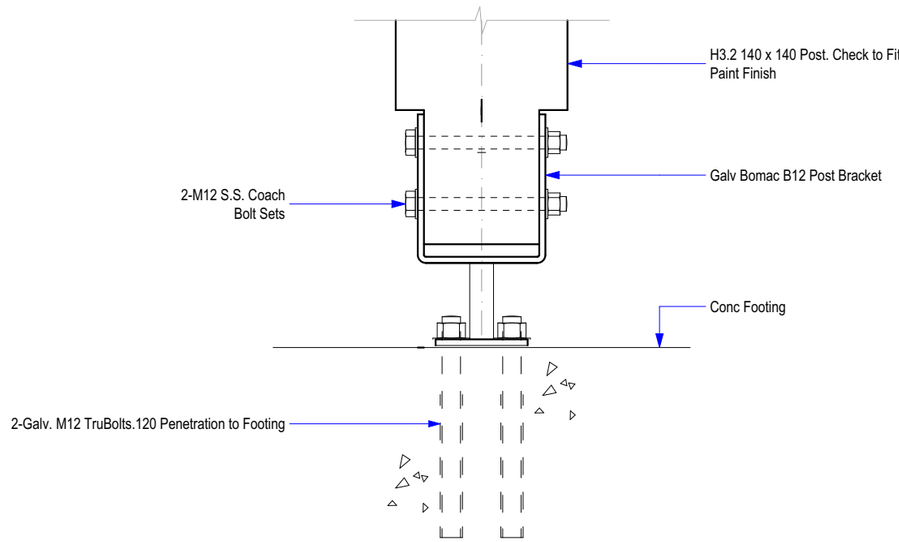
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1
.

ENTRY POST to RAFTER CONNECTION DETAIL ISOMETRIC VIEW
NTS

SEE ALSO DETAIL 1 SHEET A4.09



2
.

ENTRY POST to FOOTING CONNECTION DETAIL
1 : 5

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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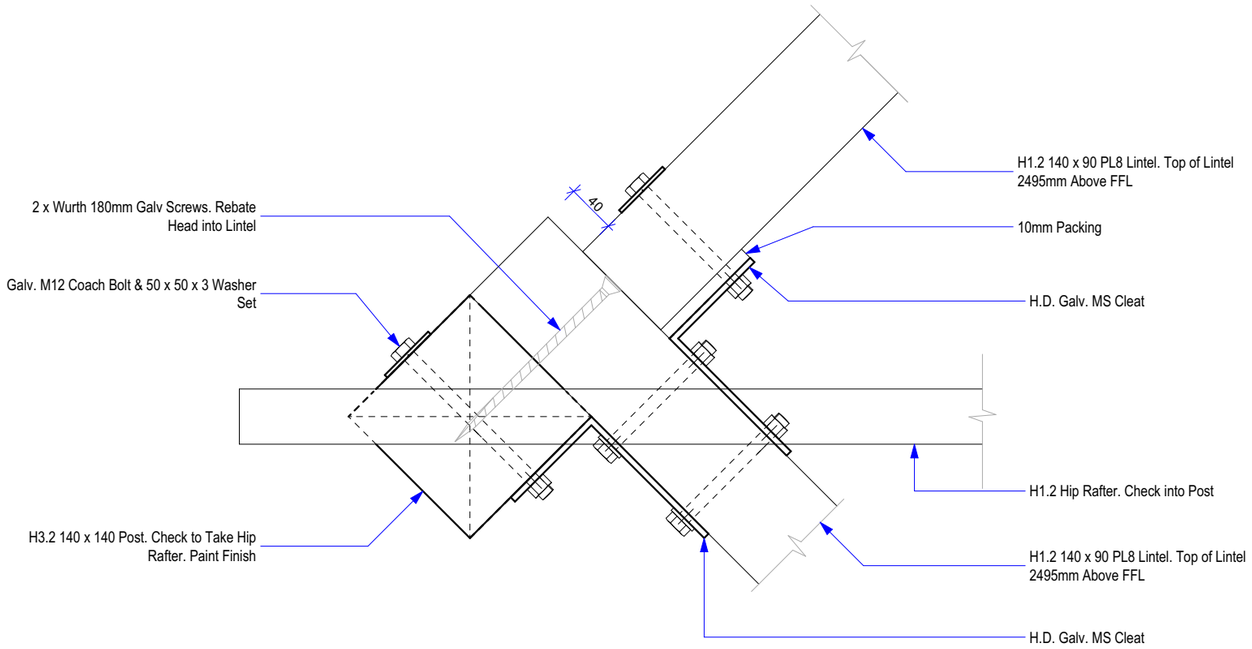
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job #
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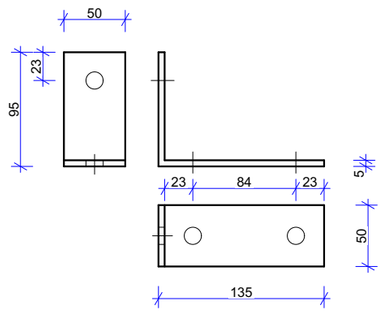
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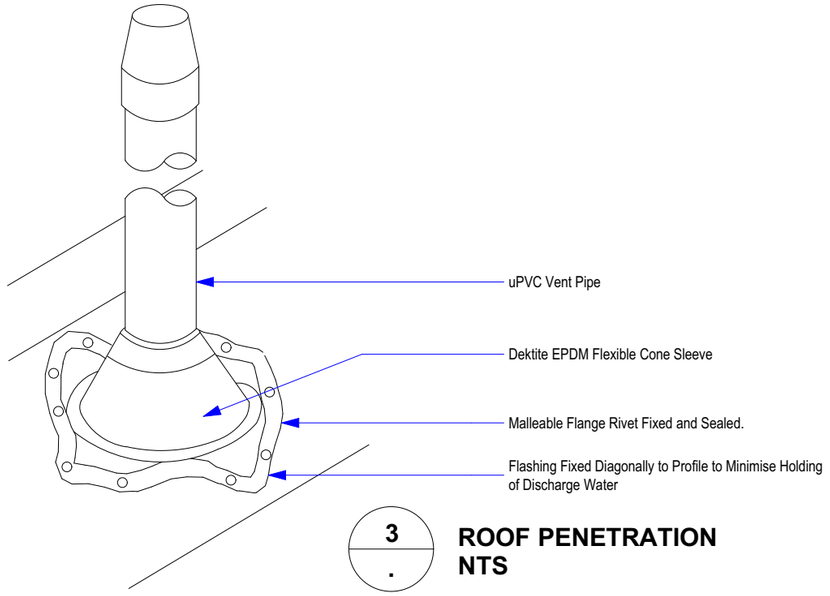


1 . **POST to LINTEL CONNECTION DETAIL**
PLAN VIEW
1 : 5

SEE ALSO DETAIL 1 SHEET A4.08



2 . **MS CLEAT DETAIL**
1 : 5



3 . **ROOF PENETRATION**
NTS

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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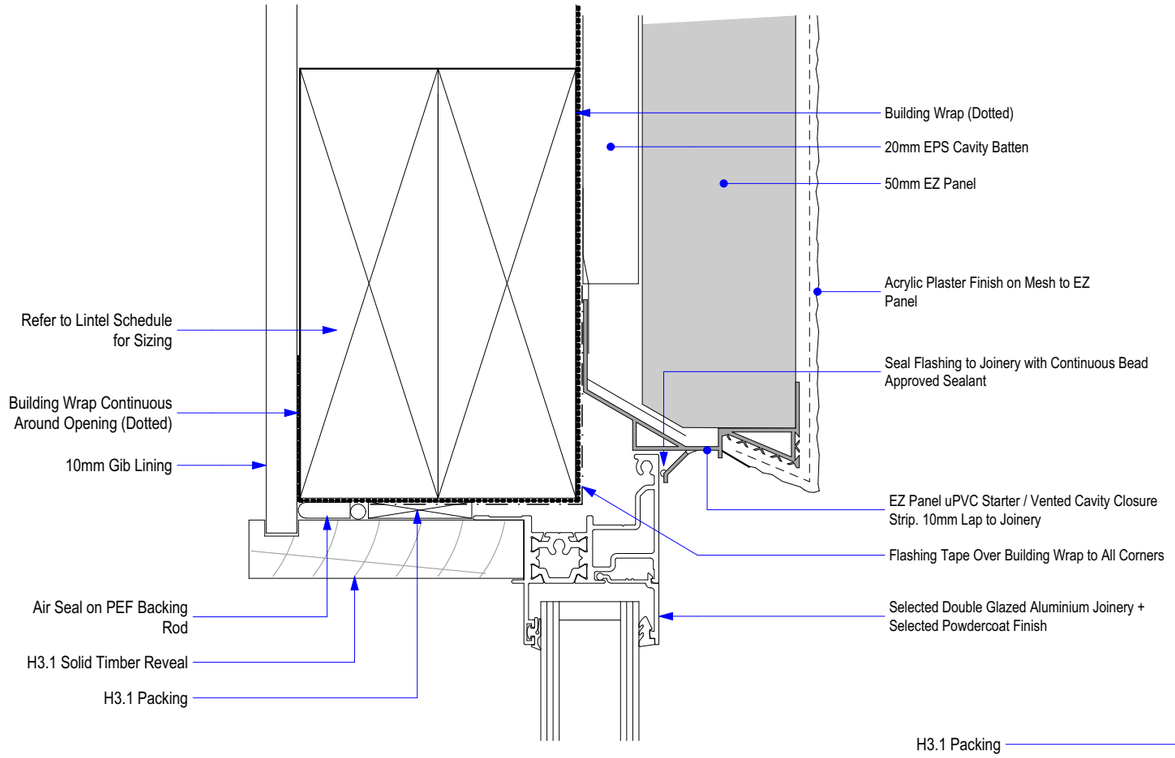
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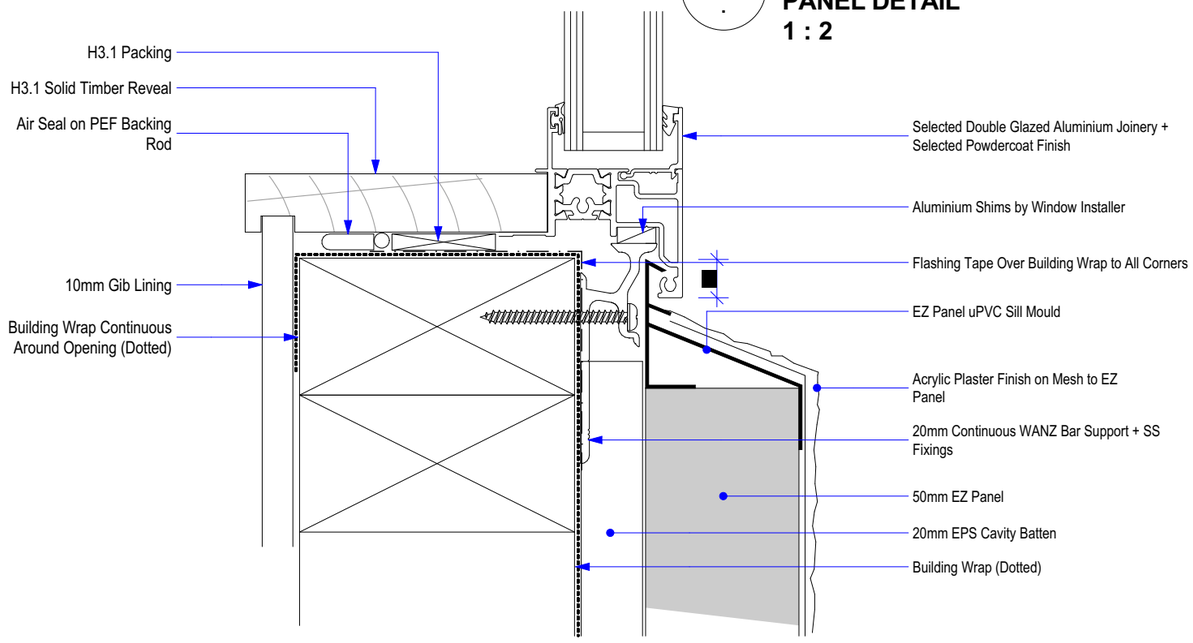
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1 . TYPICAL WINDOW / DOOR HEAD TO EZ PANEL DETAIL
1 : 2



2 . TYPICAL WINDOW SILL TO EZ PANEL DETAIL
1 : 2

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

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Canterbury

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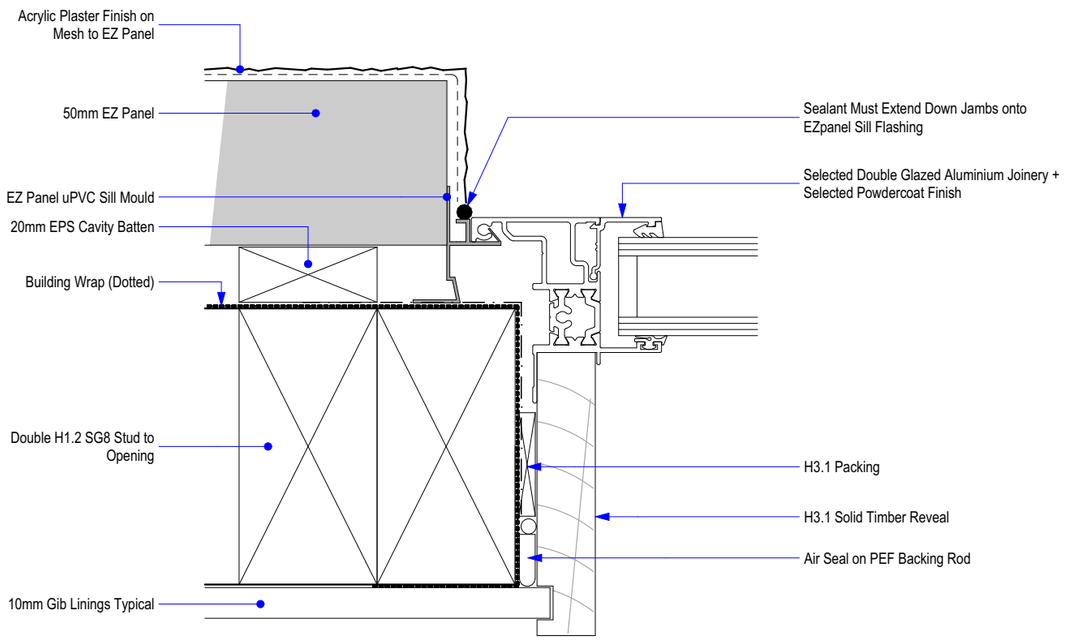
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job #
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1 / .

TYPICAL WINDOW JAMB TO EZ PANEL DETAIL
1 : 2

DETAIL DELETED

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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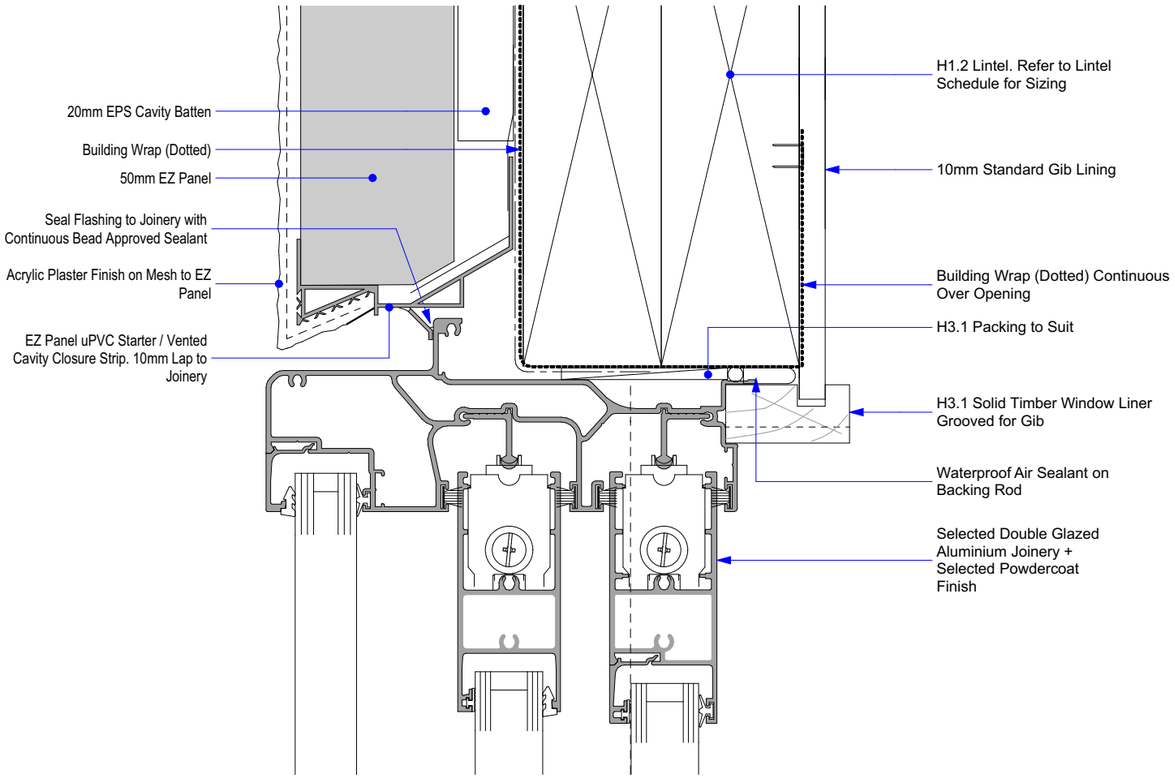
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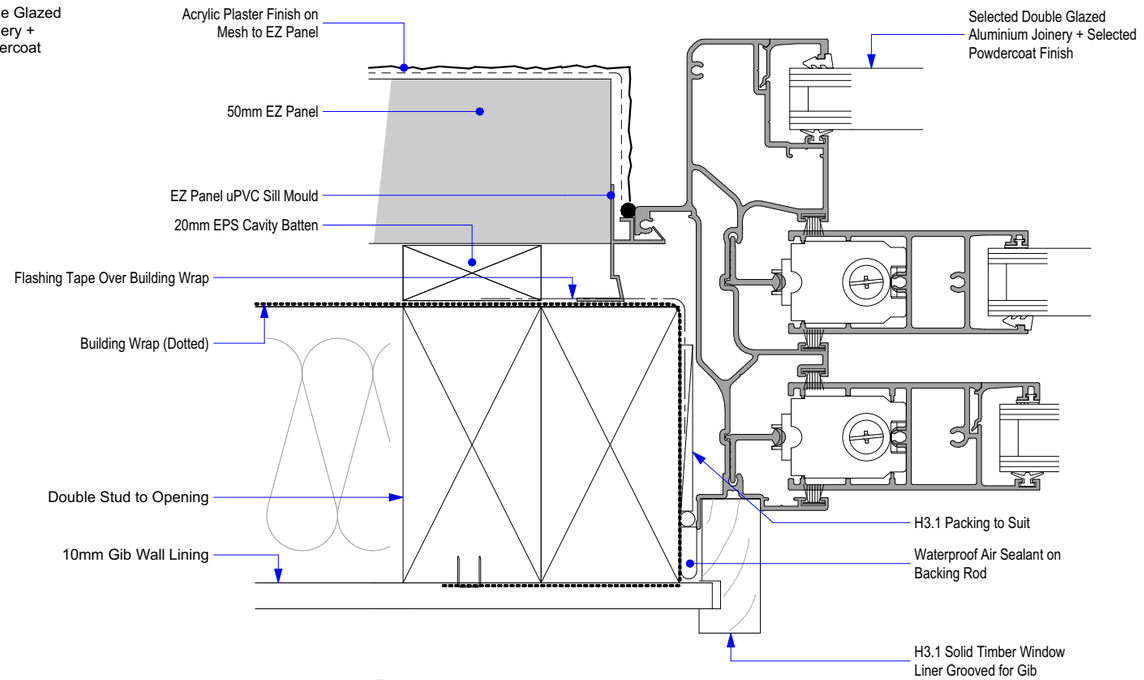
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1 / ▪ SLIDING DOOR HEAD DETAIL
1 : 2



2 / ▪ SLIDING DOOR JAMB DETAIL
1 : 2

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

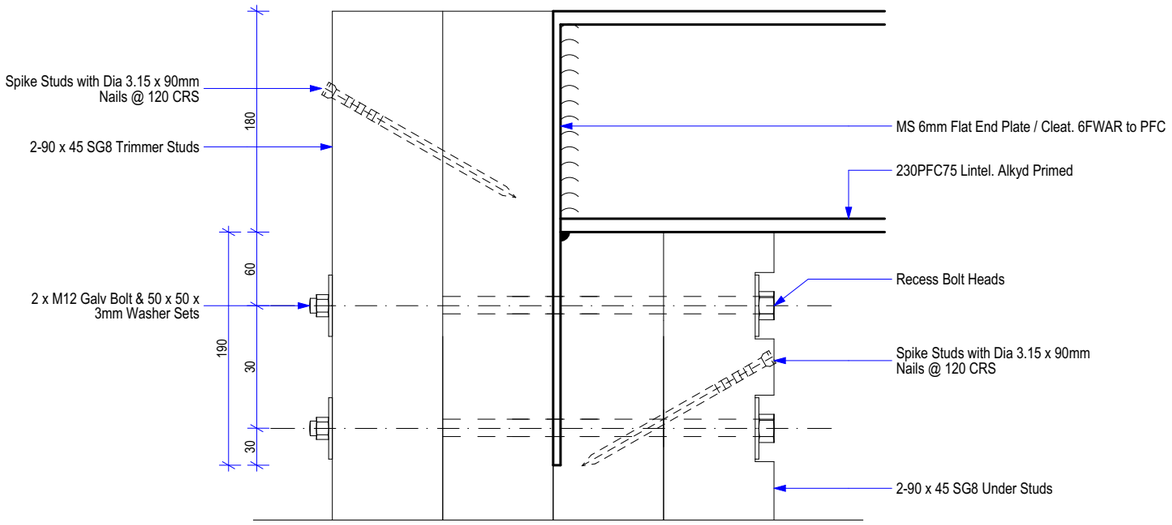
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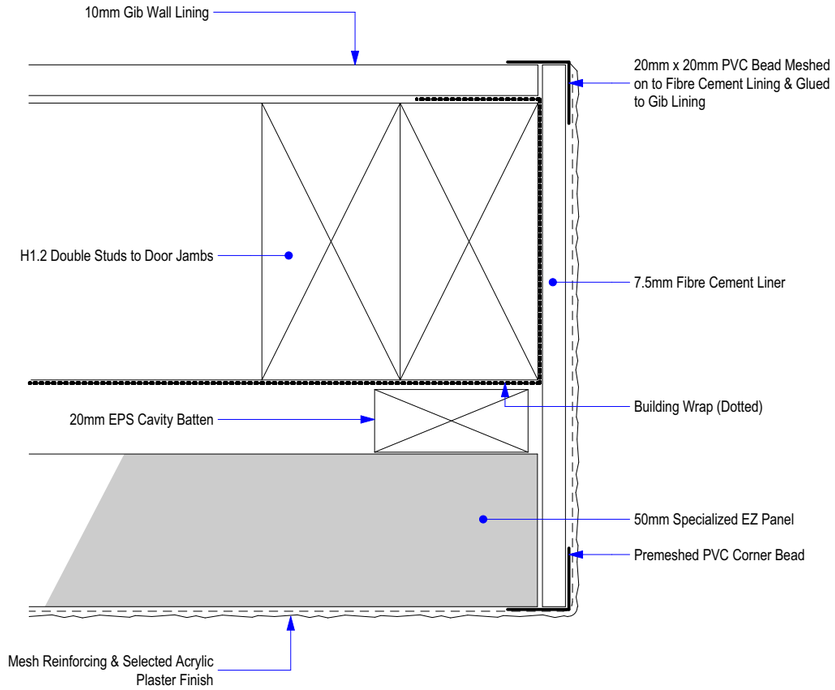
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ammendment date:
27/08/2021
job #
#Pln

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1 / . GARAGE DOOR PFC BEAM CONNECTION DETAIL
1:5



2 / . GARAGE DOOR JAMB DETAIL
1:2

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

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Southbridge

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Canterbury

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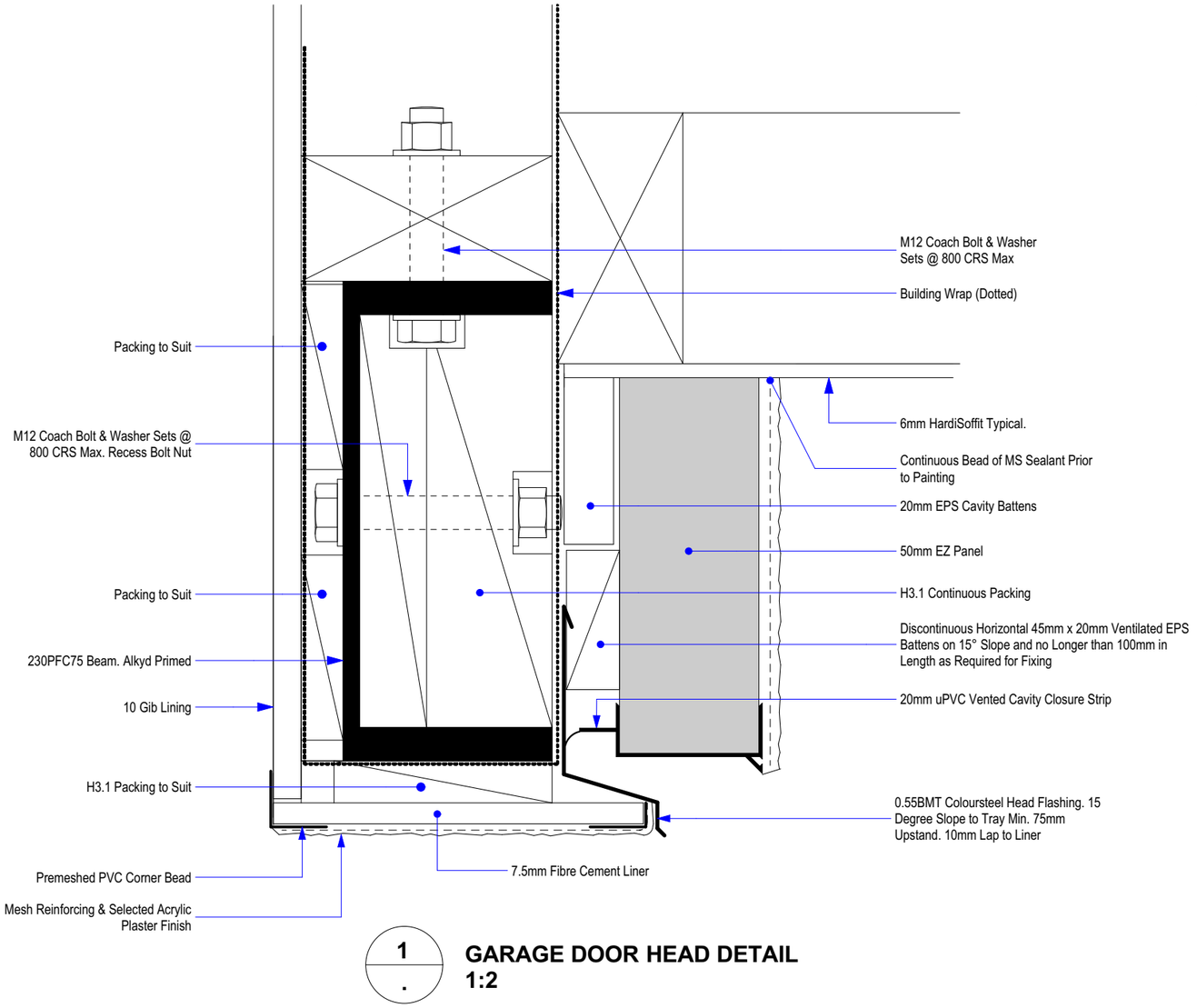
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drawn: TJG
ammendment date: 27/08/2021

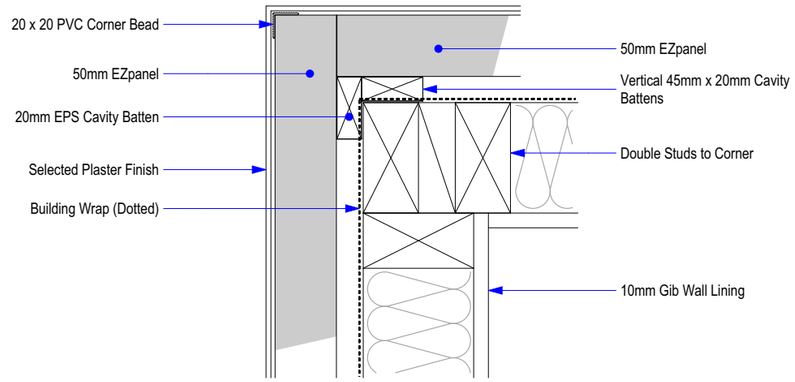
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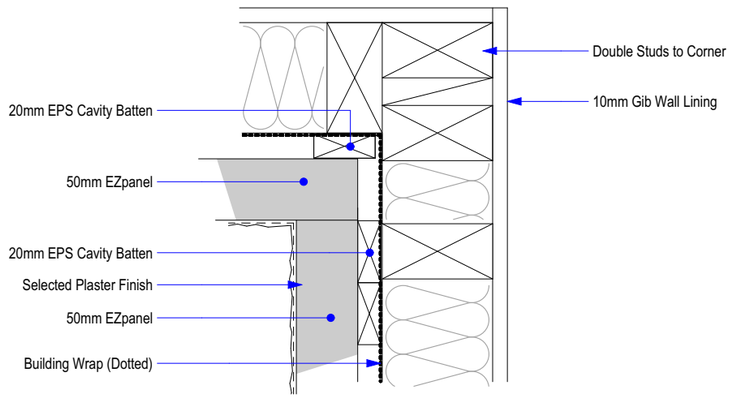
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1 . **GARAGE DOOR HEAD DETAIL**
1:2



2 . **EZ PANEL EXTERIOR CORNER DETAIL**
1:5



3 . **EZ PANEL INTERIOR CORNER DETAIL**
1:5

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

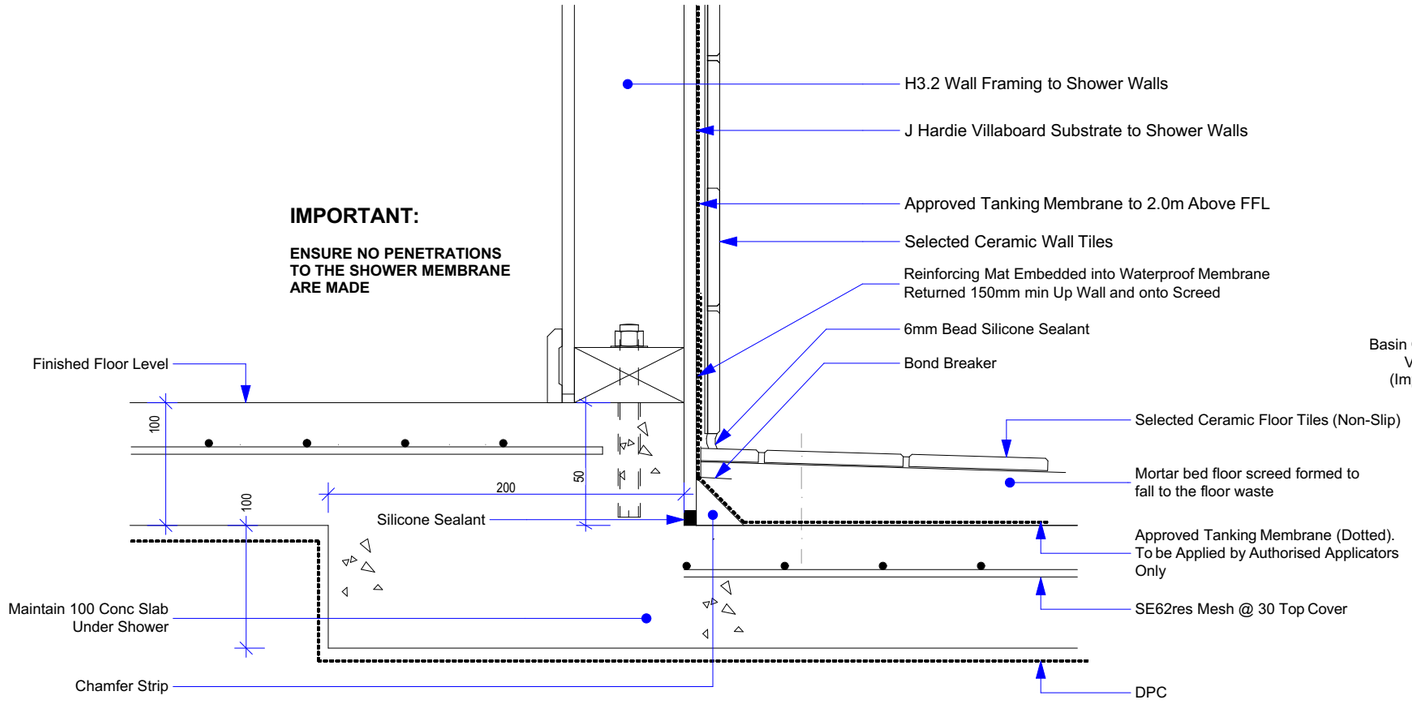
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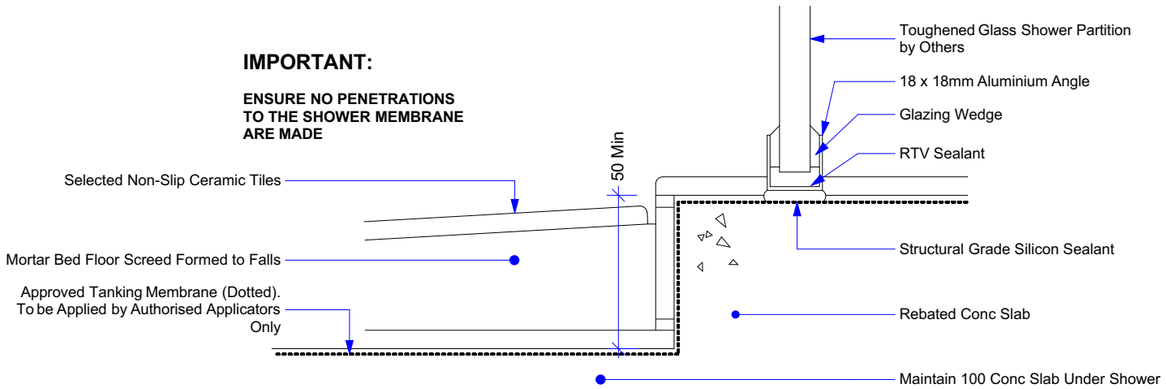
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designer: TJG
drawn: TJG
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Sheet 28 of 40
Rev
ammendment date: 27/08/2021
job # #Pln

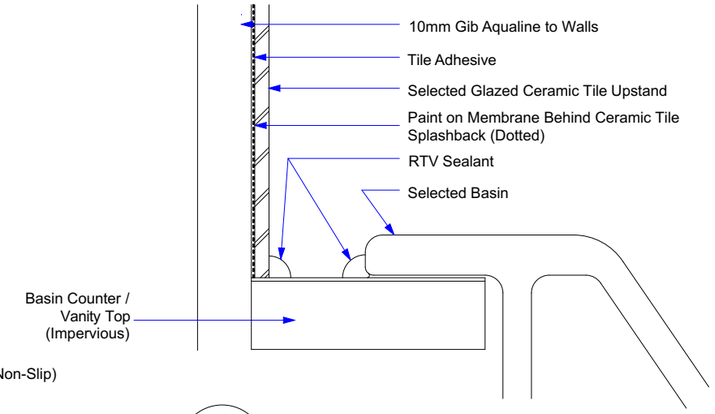
SDC - Approved Building Consent Document - BC211678 - Pg 30 of 42 - 9/11/2021 - homanm



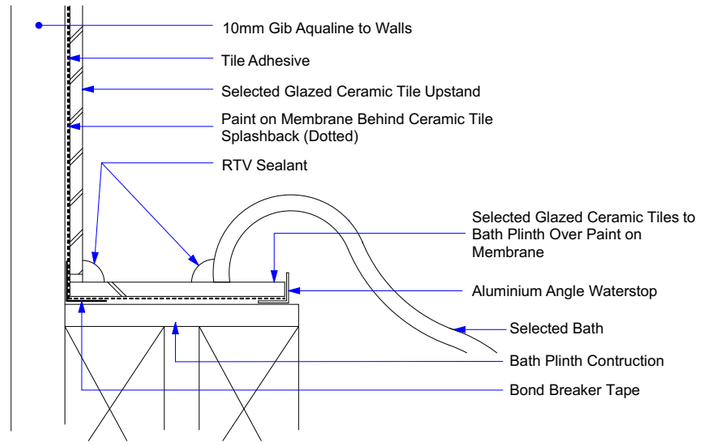
1 . TILE SHOWER CONSTRUCTION DETAIL
NTS



2 . SHOWER PARTITION TO FLOOR JUNCTION DETAIL
1 : 2



3 . BASIN TO VANITY JUNCTION DETAIL
NTS



1 . BATH TO WALL JUNCTION DETAIL
NTS

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

NOTES:
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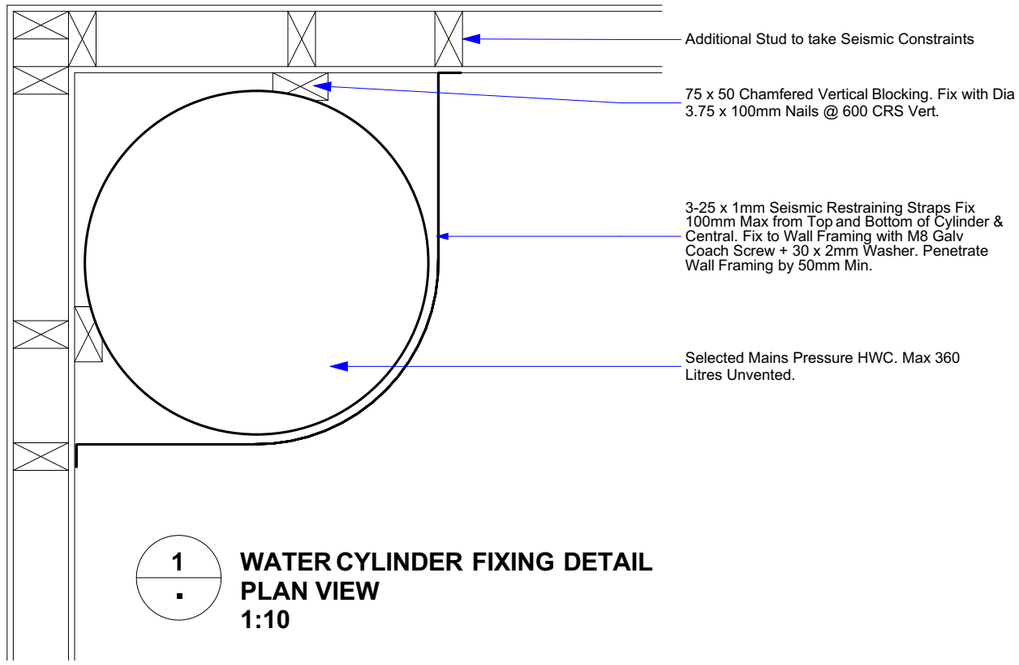
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drawn: TJG
ammendment date: 27/08/2021

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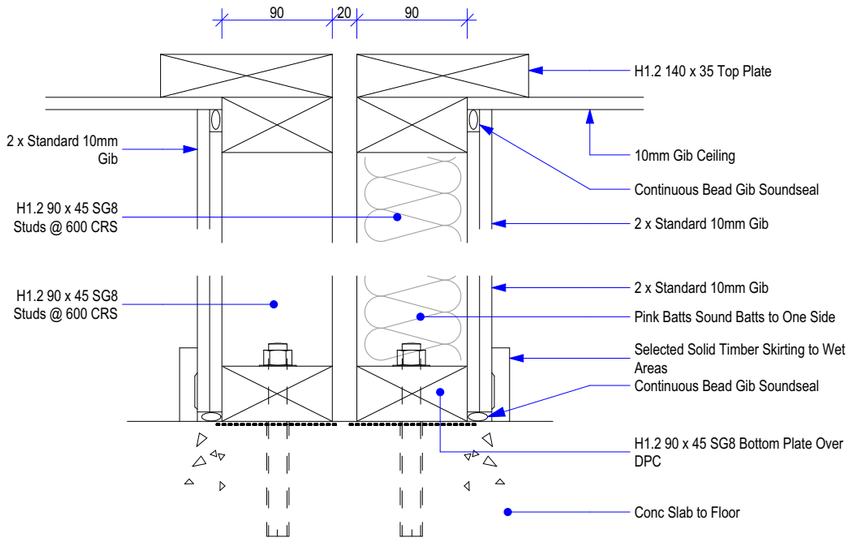
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Sheet 29 of 40
Rev

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1 / .

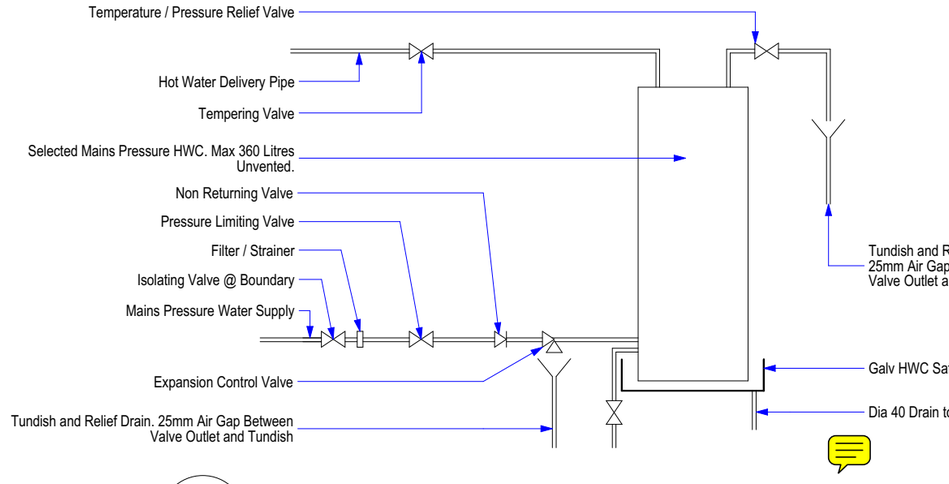
WATER CYLINDER FIXING DETAIL
PLAN VIEW
1:10



3 / .

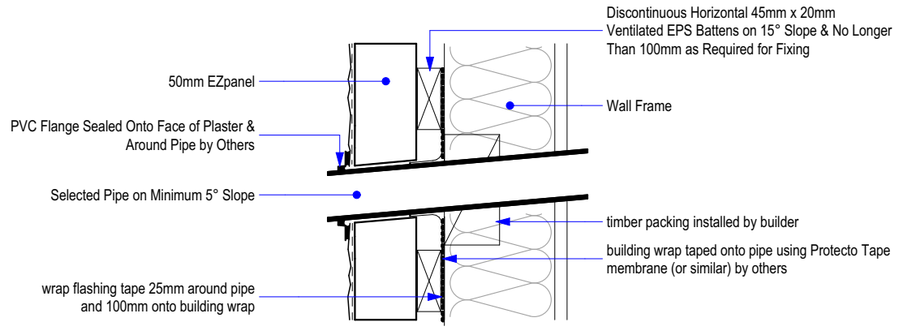
NOISE WALL CONSTRUCTION DETAIL
1 : 5

REFER GIB SYSTEM: GBT(L)A30a



2 / .

HOT WATER SYSTEM VALVE TRAIN
NTS



4 / .

PIPE PENETRATION TO BRICK VENEER
1:5

Where cables penetrate cladding, a sleeve or conduit shall be provided and sealed into the celcrete 50mm panel system. All wires that pass through a conduit shall be sealed into position inside the conduit.

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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drawn: TJG

ammendment date:
1/11/2021

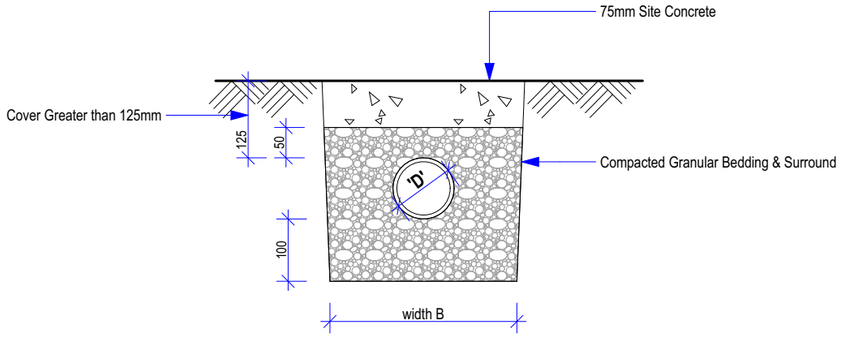
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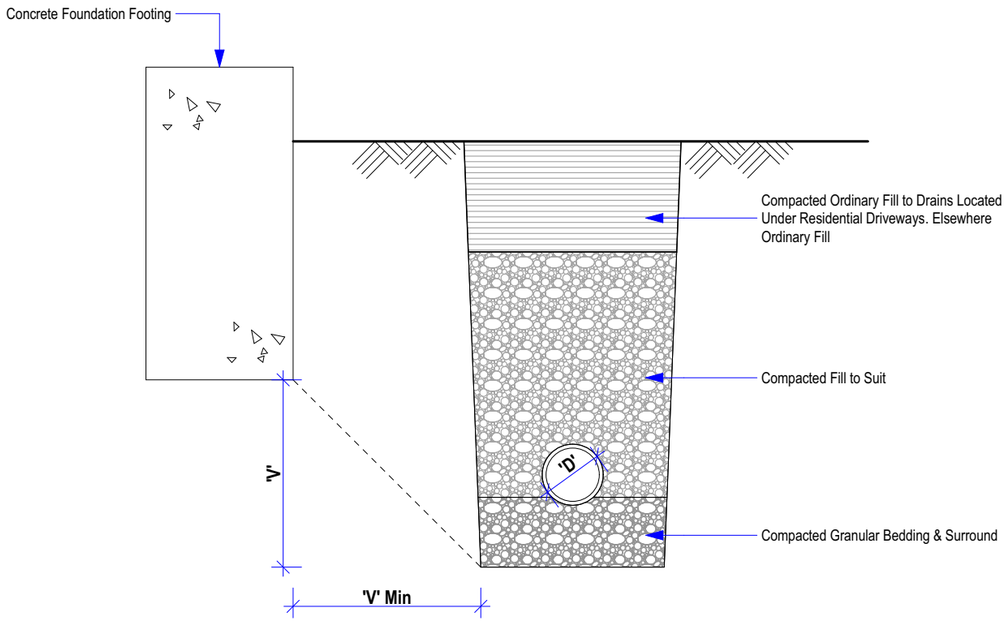
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Sheet 30 of 40
Rev A

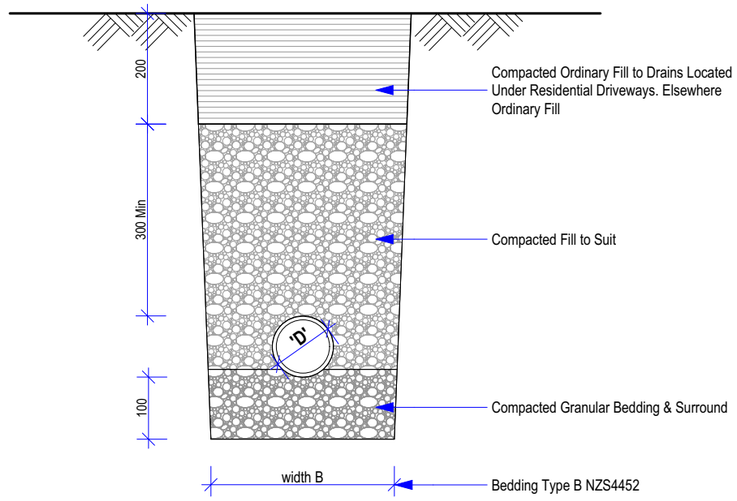
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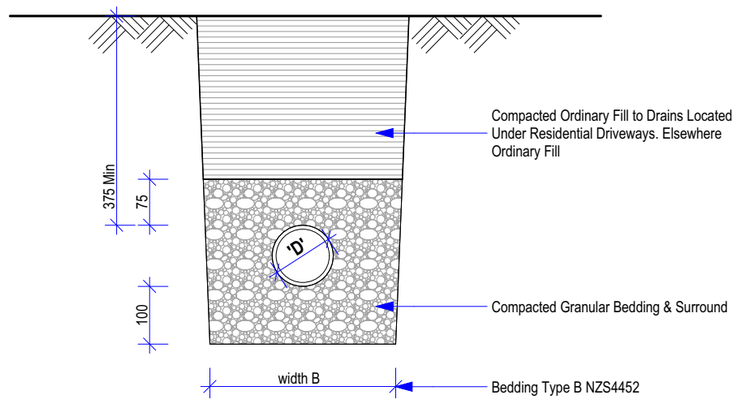
1 **DRAINAGE / TRENCH DETAIL: Greater than 125mm COVER**
1 : 10



2 **DRAINAGE / TRENCH DETAIL: Relationship of Trench to Foundation**
1 : 10



3 **DRAINAGE / TRENCH DETAIL: Greater than 500mm COVER**
1 : 10



4 **DRAINAGE / TRENCH DETAIL: Greater than 375mm COVER**
1 : 10

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

DETAILS

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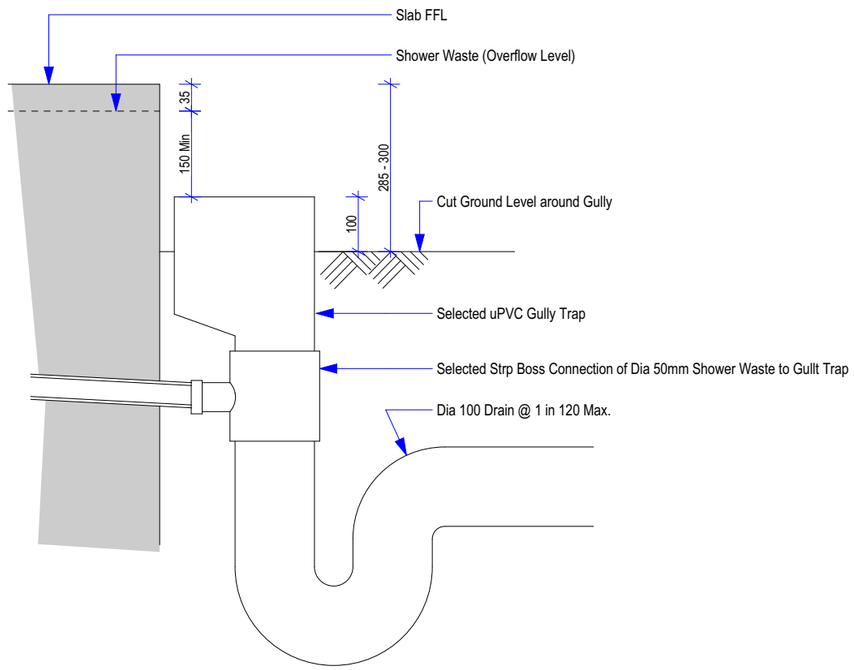
designer: TJG
drawn: TJG

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page
A4.17
Sheet 31 of 40
Rev

ammendment date:
27/08/2021

job #
#PIn



1 . **OVERFLOW RELEIF GULLY DETAIL**
NTS

SDC - Approved Building Consent Document - BC211678 - Pg 33 of 42 - 9/11/2021 - homanm

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
DETAILS

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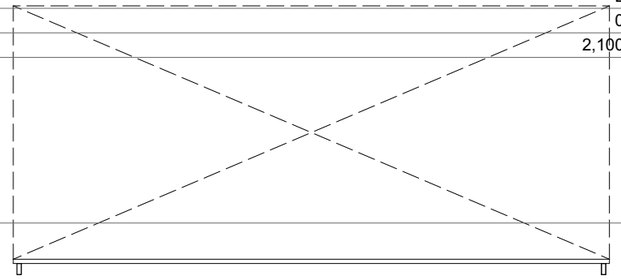
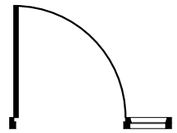
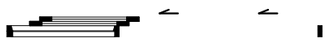
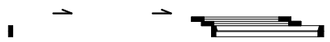
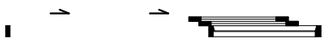
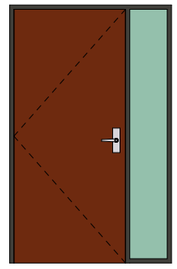
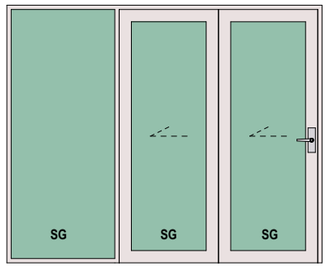
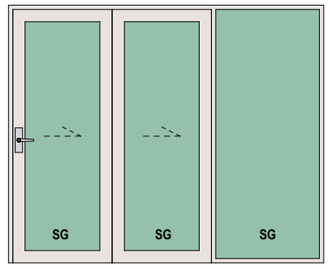
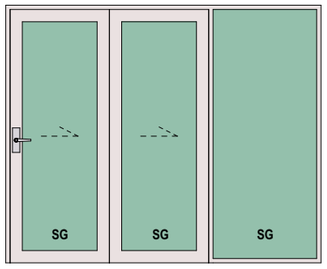
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8/11/2021

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job #
#Pln

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A4.18
Sheet 32 of 41
Rev

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Full Element ID	D01	D02	D03	D04	D05
Opening Name	CI Tools Garage Door	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Door
Quantity	1	1	1	1	1
Zone Number					
W x H Size	4,800×2,100	1,320×2,103	2,570×2,100	2,570×2,100	2,570×2,100
Orientation	L	R	R	L	L
Sill height	0	0	0	0	0
Head height	2,100	2,103	2,100	2,100	2,100
2D Symbol					
View from Side Opposite to Opening Side					

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

DOOR SCHEDULE

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

NOTES:
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designer: TJG
drawn: TJG

ammendment date:
27/08/2021

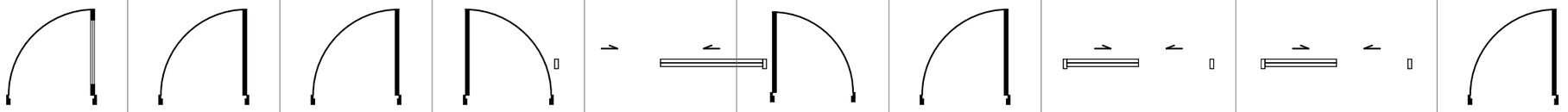
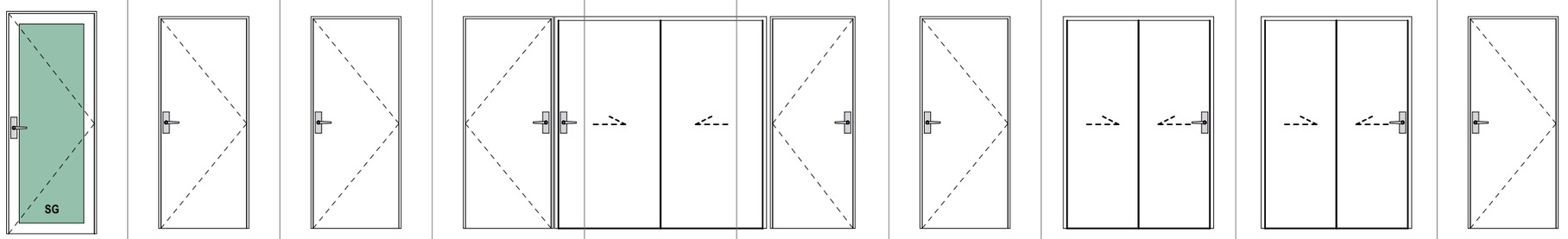
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job #
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Sheet 32 of 40
Rev

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All Openings Schedule

Full Element ID	D06	D07	D08	D09	D11	D12	D13	D14	D15	D16
Opening Name	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Door
Quantity	1	1	1	1	1	1	1	1	1	1
Zone Number										
W x H Size	850×2,100	850×2,000	850×2,000	850×2,000	2,000×2,000	800×2,000	850×2,000	1,420×2,000	1,420×2,000	850×2,000
Orientation	L	L	L	R	L	R	L	R	R	L
Sill height	0	0	0	0	0	0	0	0	0	0
Head height	2,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
2D Symbol										
View from Side Opposite to Opening Side										

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

DOOR SCHEDULE

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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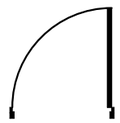
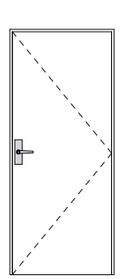
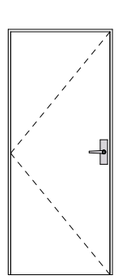
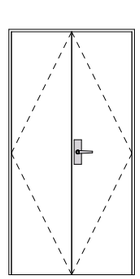
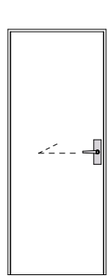
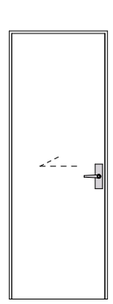
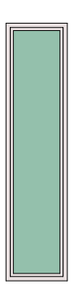
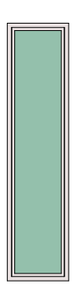
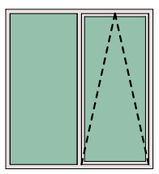
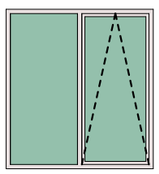
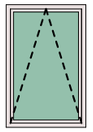
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job #
#Pln

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A5.02

Sheet 33 of 40
Rev

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Full Element ID	6	D17	D18	D19	D20	D22	W01	W02	W03	W04	W05
Opening Name	or	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Door	CI Tools Window	CI Tools Window	CI Tools Window	CI Tools Window	CI Tools Window
Quantity	1	1	1	1	1	1	1	1	1	1	1
Zone Number											
W x H Size	0	850×2,000	850×2,000	1,023×2,000	800×2,000	800×2,185	500×2,100	500×2,100	1,200×1,300	1,200×1,300	650×1,000
Orientation	L	L	R	L	R	R	R	R	R	R	R
Sill height	0	0	0	0	0	0	0	0	800	800	1,100
Head height	0	2,000	2,000	2,000	2,000	2,185	2,100	2,100	2,100	2,100	2,100
2D Symbol											
View from Side Opposite to Opening Side											

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

WINDOW SCHEDULE

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

NOTES:
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designer: TJG
drawn: TJG

ammendment date:
27/08/2021

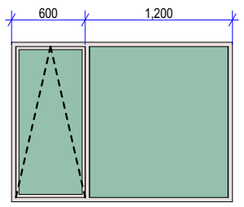
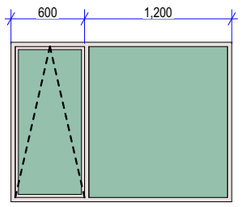
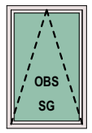
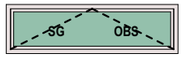
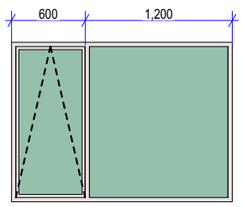
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job #
#Pln

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A5.03

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Rev

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Full Element ID	5	W06	W07	W08	W09	W10
Opening Name	w	CI Tools Window	CI Tools Window	CI Tools Window	CI Tools Window	CI Tools Window
Quantity	1	1	1	1	1	1
Zone Number						
W x H Size	0	1,800×1,300	1,800×1,300	650×1,000	1,400×400	1,800×1,300
Orientation	R	L	L	L	R	L
Sill height	0	800	800	1,100	1,700	800
Head height	0	2,100	2,100	2,100	2,100	2,100
2D Symbol						
View from Side Opposite to Opening Side						

job title

De Grénon Architectural LTD

BELLFIELD LOT 35

drawing title

WINDOW SCHEDULE

TBC
Southbridge

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Canterbury

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GIB® plasterboard linings

When fixing part sheets of GIB® plasterboard, a minimum sheet width of 300mm applies for bracing elements. Horizontal fixing is recommended. If fixing vertically, full height sheets shall be used where possible. Where sheet end butt joints are unavoidable they must be formed over nogs or over the studs and fastened at 200mm centres. Alternatively, and preferably, sheet end butt joints may be back-blocked.

When a GIB® Bracing element has been designated for a section of wall, BU ratings cannot be increased by incorporating additional proprietary bracing elements within that same section of wall.

LIMITATIONS

- GIB® plasterboard must be stacked flat and protected from the weather.
- GIB® plasterboard must be handled as a finishing material.
- GIB® plasterboard in use must not be exposed to liquid water or be installed in situations where extended exposure to humidities above 90% RH can reasonably be expected.
- GIB EzyBrace® Systems must not be used in showers or behind baths.
- It is highly recommended not to install GIB® plasterboard in any situation where external claddings are not in place or the property is not adequately protected from the elements.
- If GIB® plasterboard is installed under these conditions, the risk of surface defects such as joint peaking or cracking is greatly increased.

GIB EzyBrace® Systems in water-splash areas

When GIB® plasterboard is installed in locations likely to be frequently exposed to liquid water it must have an impervious finish. Examples are adhesive fixed acrylic shower linings or ceramic tiles over an approved waterproof membrane over GIB Aqualine® The NZBC requires 15 years durability in these situations. Bracing elements are required to have a durability of 50 years. Bracing elements are not to be located in shower cubicles or behind baths because of durability requirements, the likelihood of renovation, and practical issues associated with fixing bracing elements to perimeter framing members. Otherwise GIB EzyBrace® Systems can be used in water-splash areas as defined by NZBC Clause E3, provided these are maintained impervious for the life of the building.

For futher design details refer to the current GIB Aqualine® Wet Area Systems literature.

Renovation

When relining walls during the process of renovation, ensure that bracing elements are reinstated (check the building plans).

Openings in bracing elements

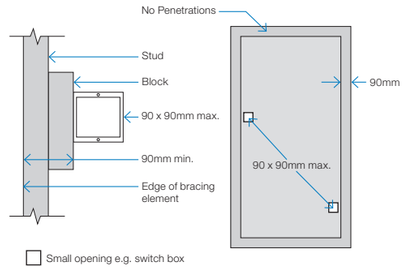
SMALL OPENINGS

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 as shown below.

LARGE OPENINGS

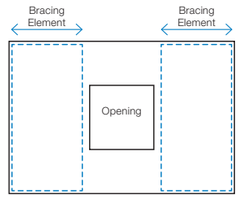
Openings above 90 x 90mm such as switch boards, recessed cabinets and TV's etc. should be placed outside of the bracing element or locate bracing on the other side of the wall framing.

FIGURE 10: SMALL OPENINGS IN BRACING ELEMENTS



GEB001

FIGURE 11: LARGE OPENINGS AND BRACING ELEMENTS



Timber framing

General framing requirements such as grade, spacings and installation shall comply with the provisions of NZS 3604:2011. To achieve the published bracing performance the minimum actual framing dimensions are 90 x 45mm for external walls and 70 x 45mm for internal walls.

As a minimum the use of Kiln Dried Stress Graded timber for all wall, roof and mid-floor framing members is recommended.

GIBFix® Framing System (alternative layout)

Practices recommended as part of the GIBFix® Framing System aim to increase timber framing efficiencies, reduce reliance on unnecessary framing at wall junctions and minimise surface imperfections that commonly arise from constructing plasterboard junctions over multiple timber members. GIBFix® Angles fixed to a single timber framing member are introduced to tie together plasterboard junctions, improving seismic resilience and decrease the risk of future defects due to timber movement. The GIBFix® Framing System can be used in conjunction with the GIB EzyBrace® System.

Note: GIBFix® Angles and 32mm x 7g GIB® Grabber® Dual Thread Screws may also be used in traditional wall framing layouts and in GIB EzyBrace® Systems.

When the GIBFix® Framing System is used a minimum of 2 equally spaced nogs for walls between 2.4m and 3m in height are required at corners and wall junctions.

When used in GIB EzyBrace® systems GIBFix® Angles must run from top to bottom on all applicable studs. If 2 GIBFix® Angles are required on a stud they must be overlapped by a minimum of 300mm with 2/32mm 7g GIB® Grabber® Dual Thread Screws penetrating through both GIBFix® Angles.

For full specification details refer to GIBFix® Framing System literature available at gib.co.nz/gibfix.

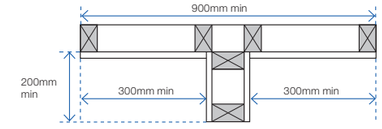
Guidelines for intersection walls

GIB® Bracing Elements may have intersecting walls with a minimum length of 200mm. Fasteners are required around the perimeter of the bracing element. Vertical joints at T-junctions shall be fixed and jointed as specified for intermediate sheet joints. The bracing element length must be no less than 900mm.

Where a Wall Bracing Element is interrupted by a T-junction the element is deemed to be continuous for the whole length (900mm minimum in the example illustrated).

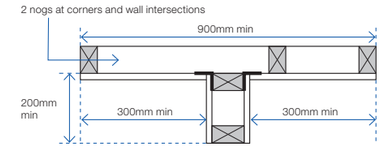
When fixing part sheets of GIB® plasterboard to the side of a T-junction, a minimum width of 300mm applies for bracing elements. See figures 12 and 13.

FIGURE 12: WALL INTERSECTION (TRADITIONAL WALL FRAMING)



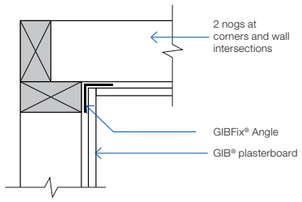
GEB002

FIGURE 13: WALL INTERSECTION (GIBFIX® FRAMING SYSTEM)



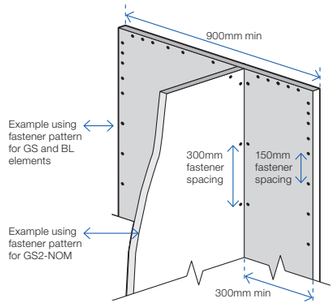
GEB003

FIGURE 14: CORNER INTERSECTION (GIBFIX® FRAMING SYSTEM)



GFS001

FIGURE 15: WALL INTERSECTION FASTENER PLACEMENT



Junction

Min 32mm x 6g GIB® Grabber® High Thread or 32mm x 7g GIB® Grabber® Dual Thread Screws @ 300mm ctrs each side.

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BELLFIELD LOT 35

drawing title

BRACING DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

NOTES:
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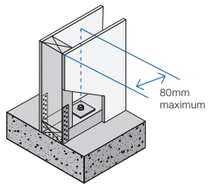
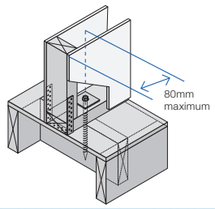
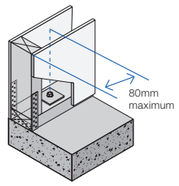
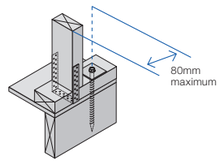
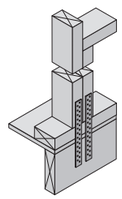
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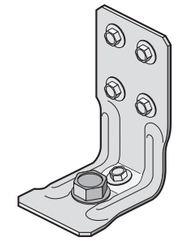
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Bracing strap installation

Care needs to be taken with the installation of the bracing strap. It should be checked in to be flush with the face of the stud providing a flat substrate for the plasterboard and positioned in such a way that the corner fastenings of the bracing element are not affected by it. Keeping the strap to the edge of the end stud as shown will allow the corner fastenings to be installed without having to penetrate the bracing strap.

Concrete floor	Timber floor
400 x 25 x 0.9mm galvanised strap to pass under the plate and up the other side of the stud. Six 30 x 2.5mm flat head galvanised nails to each side of the stud. Three 30 x 2.5mm flat head galvanised nails to each side of the plate. Hold down bolt with 50 x 50 x 3mm washer to be fitted within 80mm of the end of the element.	
Internal wall	
 GEB004	 GEB005
External wall	
 GEB006	 GEB007
Note: Where applicable drawings have been produced for CAD design. These are identified by a unique number in the bottom corner of each detail box that can be found at gib.co.nz/library.	2/300 x 25 x 0.9mm galvanised straps with six 30 x 2.5mm flat head galvanised nails to each stud and into the floor joist and three nails to the plate. Block to nog fixed with 3/100 x 3.75mm nails to stud.
	 GEB008
Hold-down fastener requirements	
Concrete floor	Timber floor
A mechanical fastening with a minimum characteristic uplift capacity of 15kN fitted with a 50 x 50 x 3mm square washer within 80mm of the ends of the bracing element.	12 x 150mm galvanised coach screw fitted with a 50 x 50 x 3mm square washer within 80mm of the ends of the bracing element

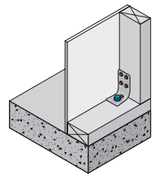
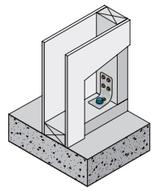
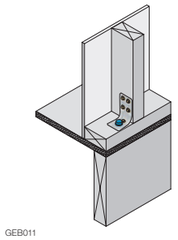
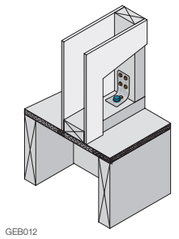
GIB HandiBrac® installation



Developed in conjunction with MiTek™, the GIB HandiBrac® has been designed and tested by Winstone Wallboards for use in GIB EzyBrace® elements that require hold-downs. The GIB HandiBrac® is a substitute for bottom plate hold-down straps.

- Quick and easy to fit.
- May be fitted at any stage before lining.
- Framing face is clear to allow flush lining.
- Easily inspected.

The GIB HandiBrac® with BOWMAC® blue head screw bolt is suitable for timber and concrete floors constructed in accordance with NZS 3604:2011.

Concrete floor		Timber floor	
External walls	Internal walls	External walls	Internal walls
 GEB009	 GEB010	 GEB011	 GEB012
Position GIB HandiBrac® as close as practicable to the internal edge of the bottom plate.	Position GIB HandiBrac® at the stud/plate junction and at mid-width of plate.	Position GIB HandiBrac® flush with the outside stud face, as close as practicable to the centre of the boundary joist.	Position GIB HandiBrac® in the centre of floor joist or full depth solid block.
Hold-down fastener requirements			
A mechanical fastening with a minimum characteristic uplift capacity of 15kN or use supplied BT10/140 screwbolt in GIB HandiBrac® pack.		12 x 150mm galvanised coach screw or use supplied BT10/140 screwbolt in GIB HandiBrac® pack.	

job title

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BELLFIELD LOT 35

drawing title

BRACING DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

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GIB EzyBrace® Systems specification GS1-N

Specification code	Minimum length (m)	Lining requirement
GS1-N	0.4	Any 10mm or 13mm GIB® Standard plasterboard to one side only

WALL FRAMING
Wall framing to comply with;

- NZBC B1 — Structure B1/AS1 Clause 3 Timber (NZS 3604:2011).
- NZBC B2 — Durability B2/AS1 Clause 3.2 Timber (NZS 3602).

Framing dimensions and height as determined by NZS 3604:2011 stud and top plate tables for load bearing and non-bearing walls. The use of kiln dried stress graded timber is recommended.

BOTTOM PLATE FIXING
Timber floor
Pairs of hand driven 100 x 3.75mm nails at 600mm centres; or three power driven 90 x 3.15mm nails at 600mm centres.

Concrete floor
Internal Wall Bracing Lines: In accordance with the requirements of NZS 3604:2011 for internal wall plate fixing or 75 x 3.8mm shot fired fasteners with 16mm discs spaced at 150mm and 300mm from end studs and 600mm centres thereafter.

External Wall Bracing Lines: In accordance with the requirements of NZS 3604:2011 for external wall bottom plate fixing.

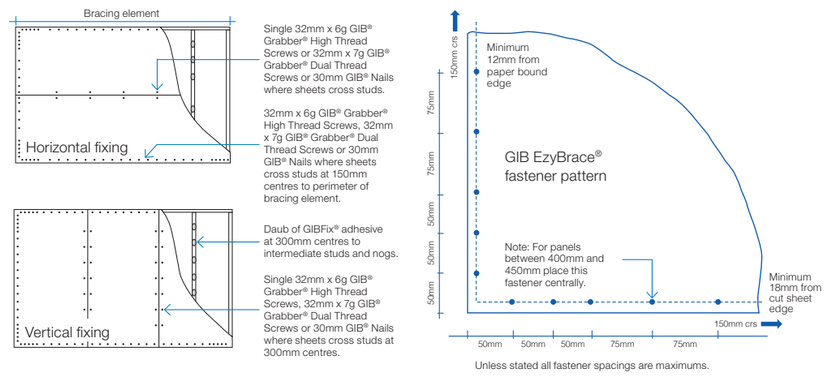
WALL LINING
- Any 10mm or 13mm GIB® plasterboard lining.
- Sheets can be fixed vertically or horizontally.
- Sheet joints shall be touch fitted.
- Use full length sheets where possible.

PERMITTED ALTERNATIVES
For permitted GIB® plasterboard alternatives refer to p. 5 in GIB EzyBrace® Systems literature.

FASTENING THE LINING
Fasteners
32mm x 6g GIB® Grabber® High Thread Screws, 32mm x 7g GIB® Grabber® Dual Thread Screws or 30mm GIB® Nails. If using the GIBFix® Angle use only 32mm x 7g GIB® Grabber® Dual Thread Screws.

Fastener centres
50,100,150, 225, 300mm maximum from each corner and 150mm thereafter around the perimeter of the bracing element. For vertically fixed sheets place fasteners at 300mm maximum centres to intermediate sheet joints. For horizontally fixed sheets place single fasteners to the sheet edge where it crosses the stud. Use daubs of GIBFix® adhesive at 300mm maximum centres to intermediate studs. Place fasteners no closer than 12mm from paper bound sheet edges and 18mm from any sheet end or cut edge.

JOINTING
Joint strength is important in delivering bracing system performance. All fastener heads stopped and all sheet joints GIB® Joint Tape reinforced and stopped in accordance with the GIB® Site Guide.



Unless stated all fastener spacings are maximums.

In order for GIB® systems to perform as tested, all components must be installed exactly as prescribed. Substituting components produces an entirely different system and may seriously compromise performance. Follow the specifications. This specification sheet is issued in conjunction with the publication GIB EzyBrace® Systems

GIB EzyBrace® Systems specification GS2-N

Specification code	Minimum length (m)	Lining requirement
GS2-N	0.4	Any 10mm or 13mm GIB® Standard plasterboard fixed to each side of the wall framing

WALL FRAMING
Wall framing to comply with;

- NZBC B1 — Structure B1/AS1 Clause 3 Timber (NZS 3604:2011).
- NZBC B2 — Durability B2/AS1 Clause 3.2 Timber (NZS 3602).

Framing dimensions and height as determined by NZS 3604:2011 stud and top plate tables for load bearing and non-bearing walls. The use of kiln dried stress graded timber is recommended.

BOTTOM PLATE FIXING
Timber Floor
Pairs of hand driven 100 x 3.75mm nails at 600mm centres; or three power driven 90 x 3.15mm nails at 600mm centres.

Concrete floor
Internal Wall Bracing Lines: In accordance with the requirements of NZS 3604:2011 for internal wall plate fixing or 75 x 3.8mm shot fired fasteners with 16mm discs spaced at 150mm and 300mm from end studs and then 600mm centres thereafter.

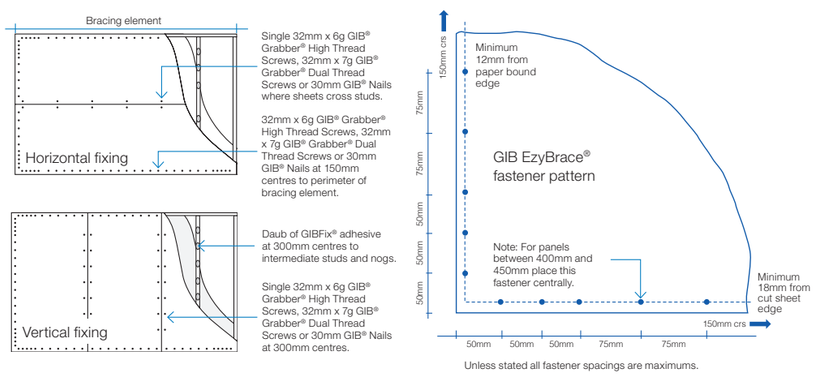
WALL LINING
- A layer of 10mm or 13mm GIB® plasterboard to each side of the wall.
- Sheets can be fixed vertically or horizontally.
- Sheet joints shall be touch fitted.
- Use full length sheets where possible.

PERMITTED ALTERNATIVES
For permitted GIB® plasterboard alternatives refer to p. 5 in GIB EzyBrace® Systems literature.

FASTENING THE LINING
Fasteners
32mm x 6g GIB® Grabber® High Thread Screws,32mm x 7g GIB® Grabber® Dual Thread Screws or 30mm GIB® Nails. If using the GIBFix® Angle use only 32mm x 7g GIB® Grabber® Dual Thread Screws.

Fastener centres
50,100,150, 225, 300mm maximum from each corner and 150mm thereafter around the perimeter of the bracing element. For vertically fixed sheets place fasteners at 300mm maximum centres to intermediate sheet joints. For horizontally fixed sheets place single fasteners to the sheet edge where it crosses the stud. Use daubs of GIBFix® adhesive at 300mm maximum centres to intermediate studs. Place fasteners no closer than 12mm from paper bound sheet edges and 18mm from any sheet end or cut edge.

JOINTING
Joint strength is important in delivering bracing system performance. All fastener heads stopped and all sheet joints GIB® Joint Tape reinforced and stopped in accordance with the GIB® Site Guide.



Unless stated all fastener spacings are maximums.

In order for GIB® systems to perform as tested, all components must be installed exactly as prescribed. Substituting components produces an entirely different system and may seriously compromise performance. Follow the specifications. This specification sheet is issued in conjunction with the publication GIB EzyBrace® Systems

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GIB EzyBrace® Systems specification BL1-H

Specification code	Minimum length (m)	Lining requirement	Other requirements
BL1-H	0.4	10mm or 13mm GIB Braceline® to one side only	Hold downs

WALL FRAMING
Wall framing to comply with;

- NZBC B1 — Structure B1/AS1 Clause 3 Timber (NZS 3604:2011).
- NZBC B2 — Durability B2/AS1 Clause 3.2 Timber (NZS 3602).

Framing dimensions and height as determined by NZS 3604:2011 stud and top plate tables for load bearing and non-bearing walls. The use of kiln dried stress graded timber is recommended.

BOTTOM PLATE FIXING
Timber floor
Use panel hold downs at each end of the bracing element. The GIB HandiBrac® is recommended. See details in GIB EzyBrace® Systems or GIB® Site Guide.

Pairs of hand driven 100 x 3.75mm nails at 600mm centres; or Three power driven 90 x 3.15mm nails at 600mm centres.

Concrete floor
Use panel hold downs at each end of the bracing element. The GIB HandiBrac® is recommended. See details in GIB EzyBrace® Systems or GIB® Site Guide. Within the length of the bracing element bottom plates are to be fixed in accordance with the requirements of NZS 3604:2011.

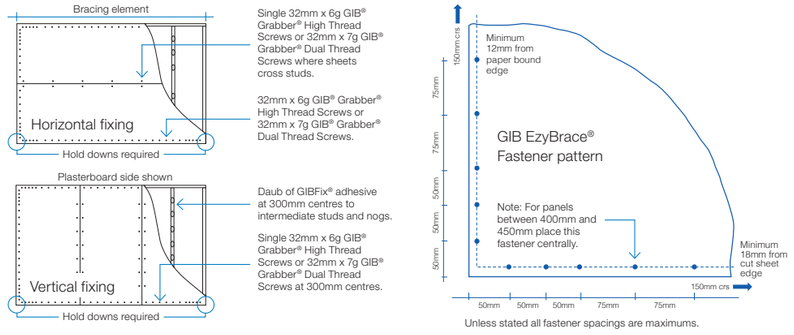
WALL LINING
- A layer of 10mm or 13mm GIB Braceline®
- Sheets can be fixed vertically or horizontally.
- Sheet joints shall be touch fitted.
- Use full length sheets where possible.

PERMITTED ALTERNATIVES
For permitted GIB® plasterboard alternatives refer to p. 5 in GIB EzyBrace® Systems literature.

FASTENING THE LINING
Fasteners
32mm x 6g GIB® Grabber® High Thread Screws or 32mm x 7g GIB® Grabber® Dual Thread Screws. If using the GIBFix® Framing System or if fastening through GIBFix® Angles use only 32mm x 7g GIB® Grabber® Dual Thread Screws.

Fastener centres
50,100,150, 225, 300mm from maximum each corner and 150mm thereafter around the perimeter of the bracing element. For vertically fixed sheets place fasteners at 300mm maximum centres to the sheet joint. For horizontally fixed sheets place single fasteners to the sheet edge where it crosses the stud. Use daubs of GIBFix® adhesive at 300mm maximum centres to intermediate studs. Place fasteners no closer than 12mm from paper bound sheet edges and 18mm from any sheet end or cut edge.

JOINTING
Joint strength is important in delivering bracing system performance. All fastener heads stopped and all sheet joints GIB® Joint Tape reinforced and stopped in accordance with the GIB® Site Guide.



In order for GIB® systems to perform as tested, all components must be installed exactly as prescribed. Substituting components produces an entirely different system and may seriously compromise performance. Follow the specifications. This specification sheet is issued in conjunction with the publication GIB EzyBrace® Systems

GIB EzyBrace® Systems specification BLP-H

Specification code	Minimum length (m)	Lining requirement	Other requirements
BLP-H	0.4	10mm or 13mm GIB Braceline® to one side of the frame plus minimum 7mm structural plywood manufactured to AS/NZ 2269.0 :2012 to the other side	Hold downs

WALL FRAMING
Wall framing to comply with;

- NZBC B1 — Structure; B1/AS1 Clause 3 Timber (NZS 3604:2011).
- NZBC B2 — Durability B2/AS1 Clause 3.2 Timber (NZS 3602).

Framing dimensions and height as determined by NZS 3604:2011 stud and top plate tables for load bearing and non-bearing walls. The use of kiln dried stress graded timber is recommended.

BOTTOM PLATE FIXING
Timber floor
Use panel hold downs at each end of the bracing element. The GIB® HandiBrac is recommended. See details in GIB EzyBrace® Systems or GIB® Site Guide.

Pairs of hand driven 100 x 3.75mm nails at 600mm centres; or Three power driven 90 x 3.15mm nails at 600mm centres.

Concrete floor
Use panel hold downs at each end of the bracing element. The GIB HandiBrac® is recommended. See details in GIB EzyBrace® Systems or GIB® Site Guide. Within the length of the bracing element bottom plates are to be fixed in accordance with the requirements of AS/NZ 2269/0 :2012.

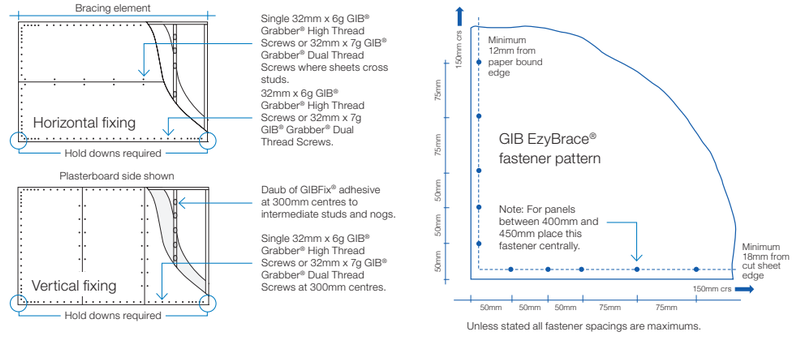
WALL LINING
- A layer of 10mm or 13mm GIB Braceline® to one side of the wall plus minimum 7mm structural plywood manufactured to AS/NZS 2269.0 :2012 to the other side.
- Sheets can be fixed vertically or horizontally.
- Plywood is to be fixed vertically with edges supported.
- Sheet joints shall be touch fitted.
- Use full length sheets where possible.

PERMITTED ALTERNATIVES
For permitted GIB® plasterboard alternatives refer to p. 5 in GIB EzyBrace® Systems literature.

FASTENING THE LINING
Fasteners
GIB Braceline® side: 32mm x 6g GIB® Grabber® High Thread Screws or 32mm x 7g GIB® Grabber® Dual Thread Screws. Plywood: 50 x 2.8mm Galv or Stainless steel annular grooved FH nails. If using the GIBFix® Framing System or if fastening through GIBFix® Angles use only 32mm x 7g GIB® Grabber® Dual Thread Screws.

Fastener centres
GIB® Plasterboard side: 50,100,150, 225, 300mm from each corner and then 150mm thereafter around the perimeter of the bracing element. For vertically fixed sheets place fasteners at 300mm centres to the intermediate sheet joints. For horizontally fixed sheets place single fasteners to the sheet edge where it crosses the stud. Use daubs of GIBFix® adhesive at 300mm centres to intermediate studs. Place fasteners no closer than 12mm from paper bound sheet edges and 18mm from any sheet end or cut edge. Plywood side: 150mm centres to the perimeter of each sheet. GIB® corner fastener pattern does not apply to the plywood side. 300mm centres to intermediate studs.

JOINTING
Joint strength is important in delivering bracing system performance. All fastener heads stopped and all sheet joints GIB® Joint Tape reinforced and stopped in accordance with the GIB® Site Guide.



In order for GIB® systems to perform as tested, all components must be installed exactly as prescribed. Substituting components produces an entirely different system and may seriously compromise performance. Follow the specifications. This specification sheet is issued in conjunction with the publication GIB EzyBrace® Systems

job title
De Grénon Architectural LTD
BELLFIELD LOT 35

drawing title
BRACING DETAILS

TBC
Southbridge

Lot 35 DP XXXX
Canterbury

NOTES:
Subject to Council Approval
All measurements to be confirmed on site by Contractor prior to the commencement of work

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designer: TJG
drawn: TJG
ammendment date: 27/08/2021

scale 1:
job # #Pln

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GIB EzyBrace® Systems — August 2016

Winstone Wallboards Ltd accepts no liability if GIB EzyBrace® Systems are not designed and installed in strict accordance with instructions contained in this publication.

USE ONLY THE CURRENT SPECIFICATION

This publication may be superseded by a new publication at any time. Winstone Wallboards accepts no liability for reliance upon publications that have been superseded. Check for the current publication at gib.co.nz/library before using this publication. If you are unsure whether this is the current publication, call the GIB® Helpline on 0800 100 442.

GIB EzyBrace® 2011 software and specification literature remains valid until futher notice.

PATENTS

GIBFix® Framing System and GIB EzyBrace® Systems, including componentry and design method, have patents pending (NZ Patent Number 596691, NZ Patent 709159 pending) and design and other IP rights reserved.

Beware of substitution

The performance of GIB® Systems are very sensitive to design detailing and construction practices. All GIB® Systems have been developed specifically for New Zealand conditions and independently tested or assessed to ensure the required level of performance. It is important to use only GIB® branded components where specified and to closely follow the specified design details and construction practices, to be confident that the required level of performance and quality is achieved on site.

For further information call our GIB® Helpline on 0800 100 442.

GIB EzyBrace® Systems have been designed and tested using only the products specified. When additional GIB® plasterboard properties are required the table below provides acceptable alternative options.

	Acceptable alternative GIB® plasterboards								
Specified GIB® plasterboard	GIB® Standard	GIB Ultraline®	GIB Braceline/ Noiseline®	GIB Aqualine®	GIB Toughline®	GIB Fyreline®			
						10mm	13mm	16mm	19mm
GIB® Standard		OK	OK	OK	OK	Note 1 and 3			
GIB Braceline®	X	X		Note 2	OK	X	Notes 1, 2 and 3		

Note 1 *The fastener type and length must be as required for the relevant FRR system using the perimeter fixing pattern illustrated for the relevant bracing specification.*

Note 2 *The element must be 900mm or longer. Decrease perimeter fastener centres to 100mm. The bracing corner fastening pattern, as illustrated for the relevant specification applies to all four corners of the element. Panel hold-down fixings are required.*

Note 3 *Specify traditional wall framing layout (see figure 1) where a Fire Resistance Rating (FRR) is required.*

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