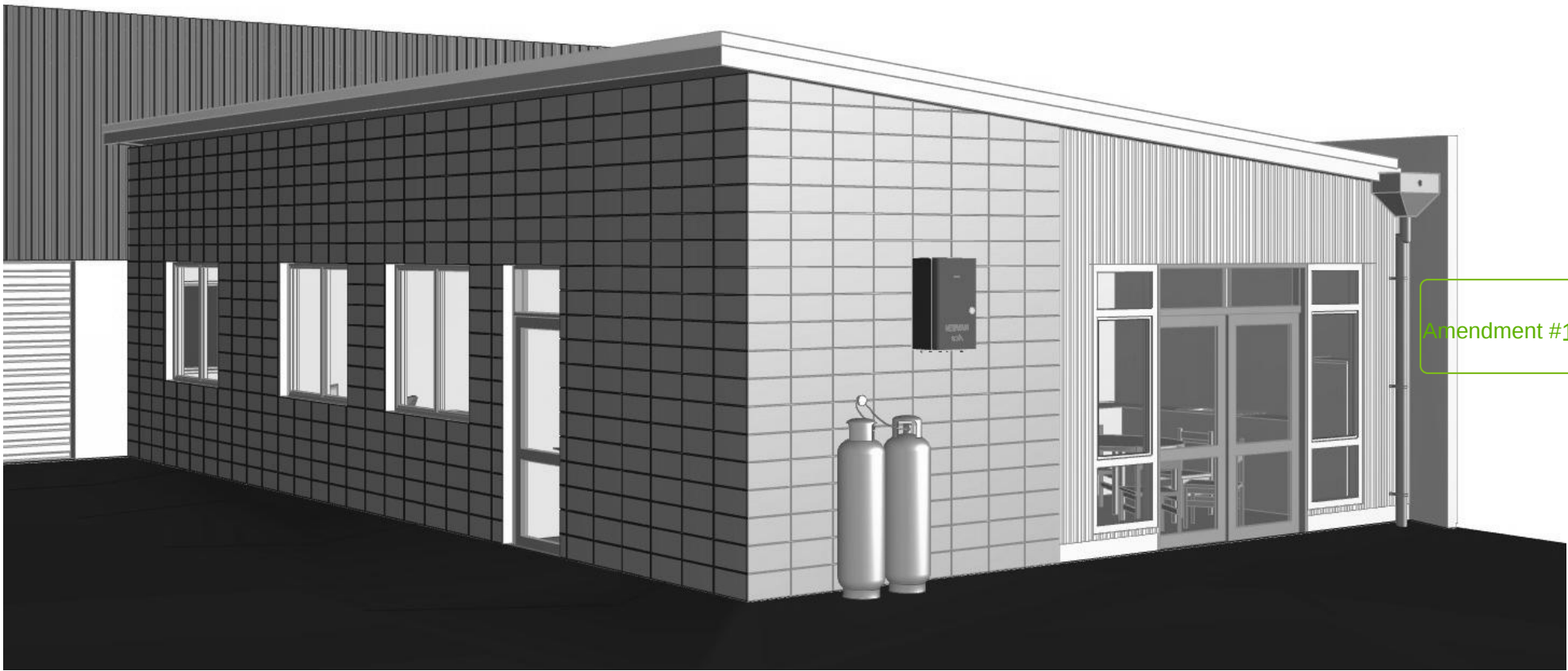


Proposed Additions 80 Byron Street Christchurch For Clip & Climb

Architectural Index

Sheet	Issue	Drawing
A1	1	Site Plan Existing
A2	3	Site Plan Proposed
A4	6	Plumbing Plan
A5	1	Floor Plan Existing
A6	6	Floor Plan Proposed
A7	2	Framing Plan
A8	5	Elevations
A9	2	Foundation Plan
A10	1	Accessible Toilet
A11	3	Architectural Sections
A12	3	Gridline Cross Sections
A13	1	Architectural Details
A14	1	Architectural Details
A15	4	Architectural Details
A16	5	Joinery Details
A17	4	Steel Work Plan
A18	1	Gridline 1 Steel details
A19	2	Roof Plan
A20	2	Skylight Details
A21	3	Exterior Joinery Schedule
A22	4	Architectural Details
A23	1	Architectural Details
A24	1	Hoardings & Safety Barriers
A25	2	Emergency Lighting Plan
A26	1	Electrical Layout Plan



03/04/2017

RFI's Issue 2

existing stormwater pipe to be disconnected and removed at time of slab excavation

15mm Dia @ 1:40 through ceiling space & down through wall to connect to sink drain

cleaners sink
65Ø @ 1:40

100Ø @ 1:60

15/10/2019 Minor Variation of Consented Plans Issue 5

IB

IB

15/10/2019 Minor Variation of Consented Plans Issue 5

15/10/2019 Minor Variation of Consented Plans Issue 5

existing stormwater pipe to be joined to new 150Ø pipe

03/04/2017 RFI's Issue 2

water inlet

approximate location of Backflow Prevention Device

11/11/2019 CHCH C.C RFI G12 Issue 6

15/10/2019 Minor Variation of Consented Plans Issue 5

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15/10/2019 Minor Variation of Consented Plans Issue 5

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15/10/2019 Minor Variation of Consented Plans Issue 5

15/10/2019 Minor Variation of Consented Plans Issue 5

15/10/2019 Minor Variation of Consented Plans Issue 5

Stormwater

Roof area + Gutter area = 105.23m²

Rain intensity 50

MRA factor 50/100=.5

105.23x.5= 52.61m²

MRA= 52.61m²

Cross sectional gutter area required = 26,000mm²

Cross sectional gutter area achieved 132x600 = 79,200mm²

Down pipe 100Ø

Stormwater mains pipe

Total existing & proposed roof areas 806.7464m²

plus half hardstand 257.5205m²

multiply by modification factor .55

= 585.2m²

Required pipe & gradient 150Ø @ 1:120

compliant with E1/AS1 fig.3

NOTE: Confirm on site that existing 150Ø storm water pipe is at 1:120 gradient prior to any drainage work commencing, if pipe is found to have insufficient fall reset to comply

Roof & Gutter Area

105.2331 m²

Figure 16: Cross-sectional Area of Internal Gutter
Paragraphs 5.1.2 and 5.1.3

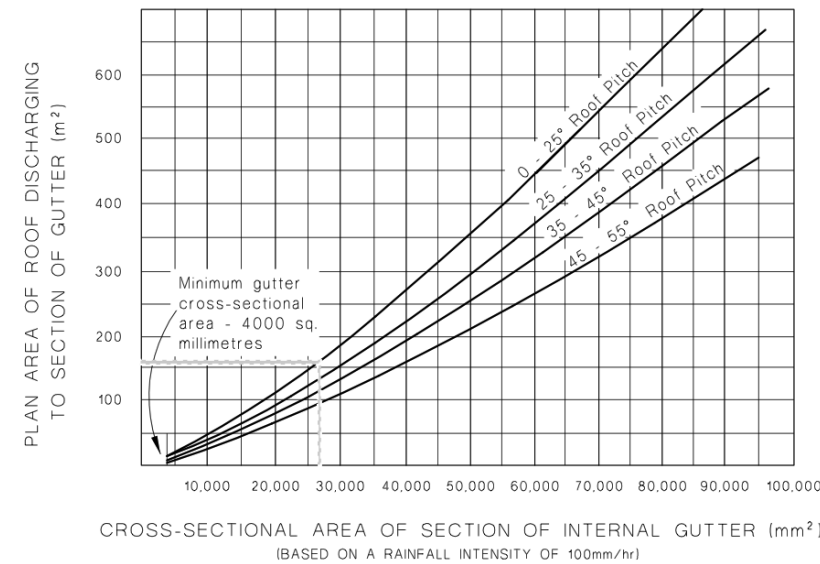


Table 5: Downpipe Sizes for Given Roof Pitch and Area Paragraph 4.2.1	Roof pitch			
	0-25°	25-35°	35-45°	45-55°
Downpipe size (mm) (minimum internal sizes)	Plan area of roof served by the downpipe (m²)			
63 mm diameter	60	50	40	35
74 mm diameter	85	70	60	50
100 mm diameter	155	130	110	90
150 mm diameter	350	290	250	200
65 x 50 rectangular	60	50	40	35
100 x 50 rectangular	100	80	70	60
75 x 75 rectangular	110	90	80	65
100 x 75 rectangular	150	120	105	90

Sewer

SS	Sanitary sewer
DU	Discharge units
AB	Access bend
AJ	Access junction
FWG	Floor waste gully
ORG	Overflow relief gully
TV	Terminal vent
DS	Discharge stack
FF	First floor fitting
IP	Existing inspection point
IB	Existing inspection bend

Sanitary sewer waste pipe minimum falls unless shown otherwise

100Ø	1:60
80Ø	1:60
65Ø	1:40
50Ø	1:40
40Ø	1:40

Sanitary sewer designed to AS/NZS3500.2.2003

Pipe gradients minimum, may be increased to suit site levels

Stormwater

DP	Downpipe, uPVC
SW	Stormwater
MCA	Modified catchment area
MRA	Modified roof area
CP	Cesspit

Roof areas modified for 126mm/hour rainfall intensity, 10 percent probability of occurring with a 10 minute duration

All pipework to be uPVC unless stated otherwise

Pipe gradients minimum, may be increased to suit site levels

Soil type	Slope H:L	
	Compacted fill	Undisturbed ground
Stable rock (*)	2:3	8:1
Sand (*)	1:2	1:2
Silt (†)	1:4	1:4
Firm clay	1:2	1:1
Soft clay	Not suitable	2:3
Soft soils (†)	Not suitable	Not suitable

* Most sand and rock sites with little or no ground movement from moisture changes.

† Sites include soft soils, such as soft clay or silt or loose sands; landslide; mine subsidence; collapsing soils; soils subject to erosion; reactive sites subject to abnormal moisture conditions or sites which cannot be classified otherwise.

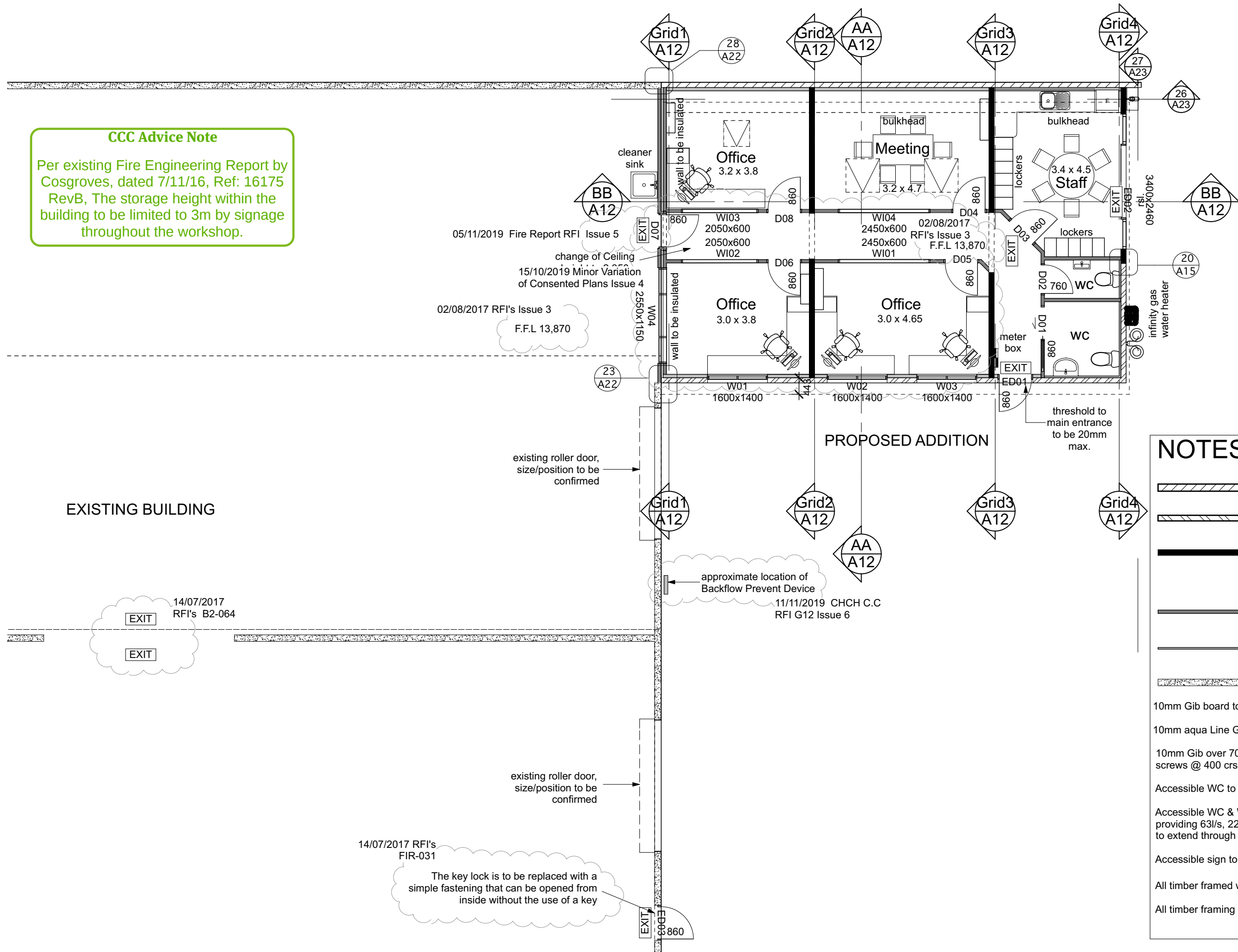
NOTE:
Drains in close proximity to building must comply with Clause 7.2.9 of AS/NZS 3500:2003.

A Wilkins double check valve 950XLT Series 20-50mm or equivalent, medium risk Back Flow Device shall be fitted to potable water supply.

Amendment #1

CCC Advice Note

Per existing Fire Engineering Report by Cosgroves, dated 7/11/16, Ref: 16175 RevB, The storage height within the building to be limited to 3m by signage throughout the workshop.



- NOTES

15 series running bond concrete block work, refer to structural drawings

15 series stack bonded concrete block work

15 series 3 blocks high masonry block nib wall with 140x45 H1.2 SG8 timber framed wall on top, studs at 600crs. & nogs at 800crs load bearing wall. unless stated otherwise.

90x90 H1.2 SG8 none load bearing walls timber framed wall, studs at 400crs. & nogs at 800crs.

45x45 timber strapping studs at 600crs. & nogs at 800crs.

Conc. walls Existing

10mm Gib board to walls

10mm aqua Line Gib to WC and Accessible WC walls

10mm Gib over 70X35 H1.2 SG8 ceiling battens fixed with 50mm screws @ 400 crs.

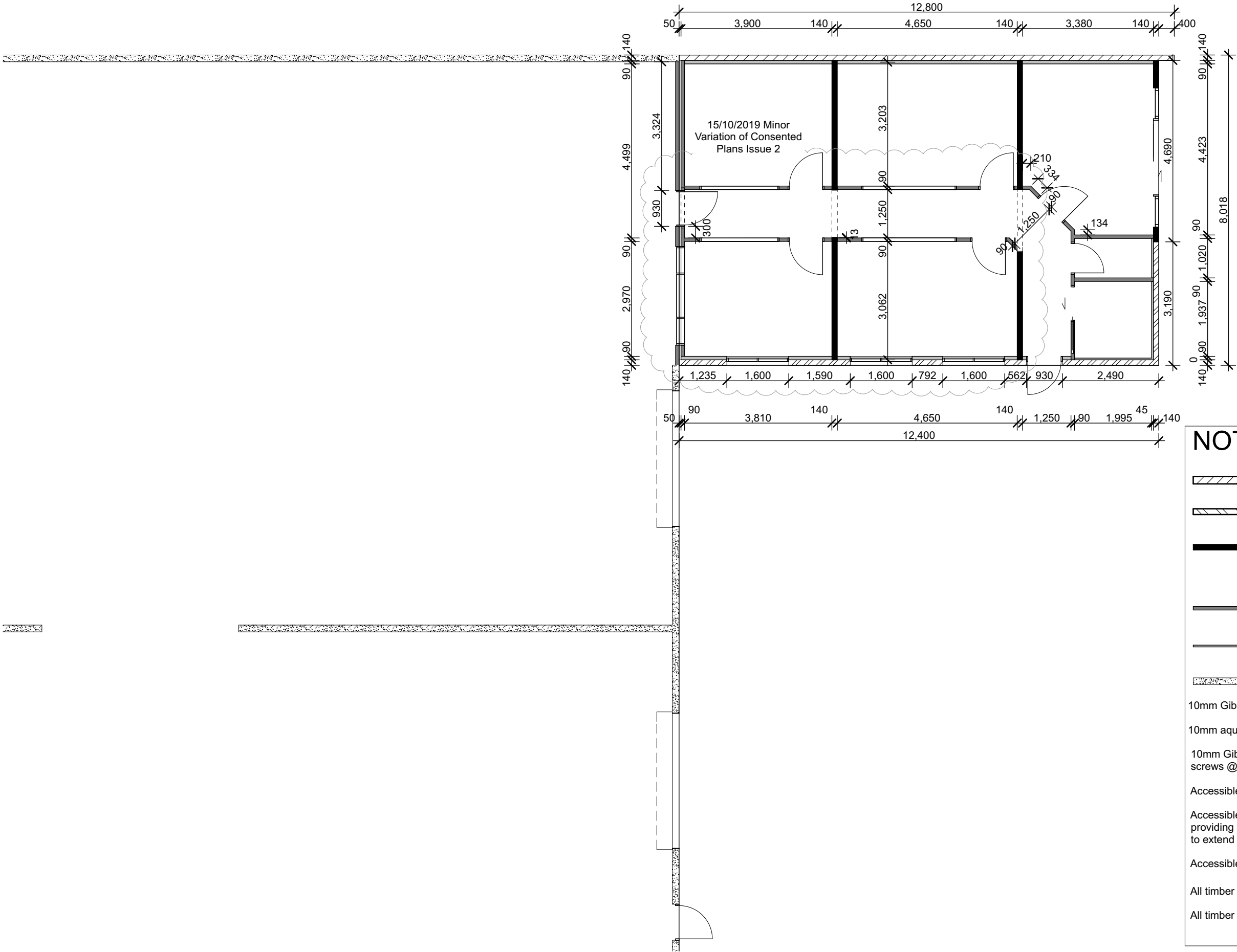
Accessible WC to comply with NZBC G1/AS1

Accessible WC & WC require Install Simx WhisperVent 100 ceiling fan providing 63l/s, 225m³/hr 100Ø duct DCT0409, weatherproof cowl, Duct to extend through ceiling pace to outside through soffit lining

Accessible sign to door

All timber framed walls to comply with NZS3604:2011

All timber framing to be SG8 H1.2 treated unless stated otherwise



- NOTES
- 15 series running bond concrete block work, refer to structural drawings

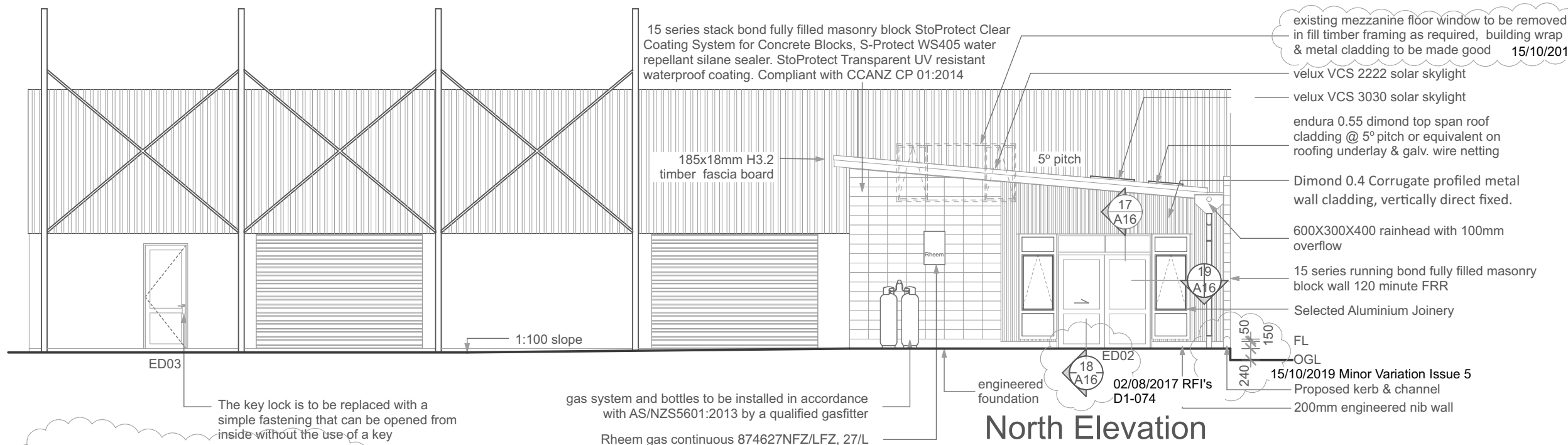
15 series stack bonded concrete block work

15 series 3 blocks high masonry block nib wall with 140x45 H1.2 SG8 timber framed wall on top, studs at 600crs. & nogs at 800crs load bearing wall. unless stated otherwise.

90x90 H1.2 SG8 none load bearing walls timber framed wall, studs at 400crs. & nogs at 800crs.

45x45 timber strapping studs at 600crs. & nogs at 800crs.

Conc. walls Existing
- 10mm Gib board to walls
- 10mm aqua Line Gib to WC and Accessible WC walls
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- Accessible sign to door
- All timber framed walls to comply with NZS3604:2011
- All timber framing to be SG8 H1.2 treated unless stated otherwise
- 15/10/2019 Minor Variation Consented Plans Issue 2

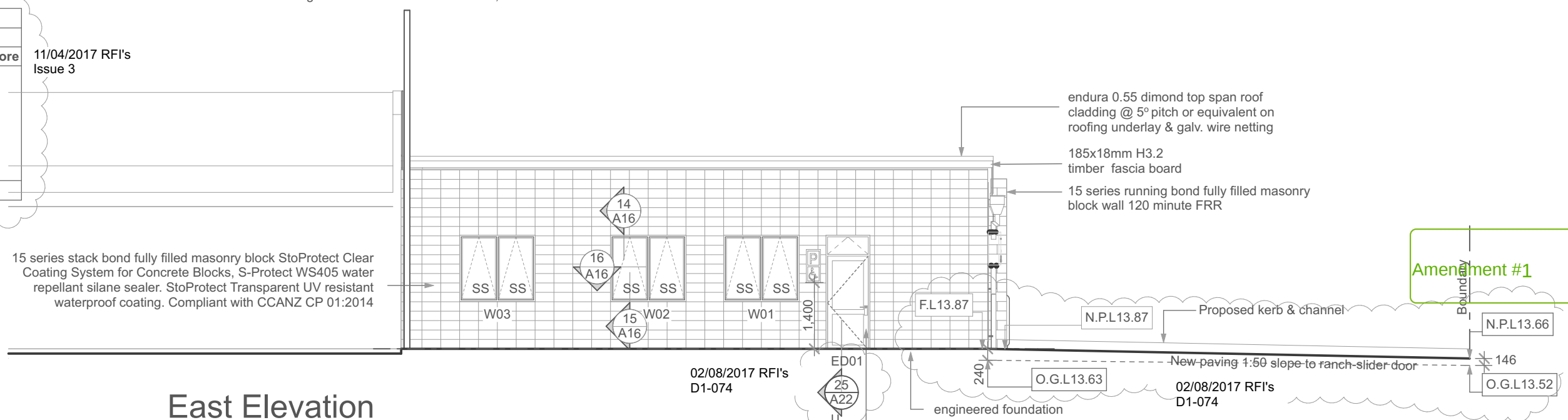


North Elevation

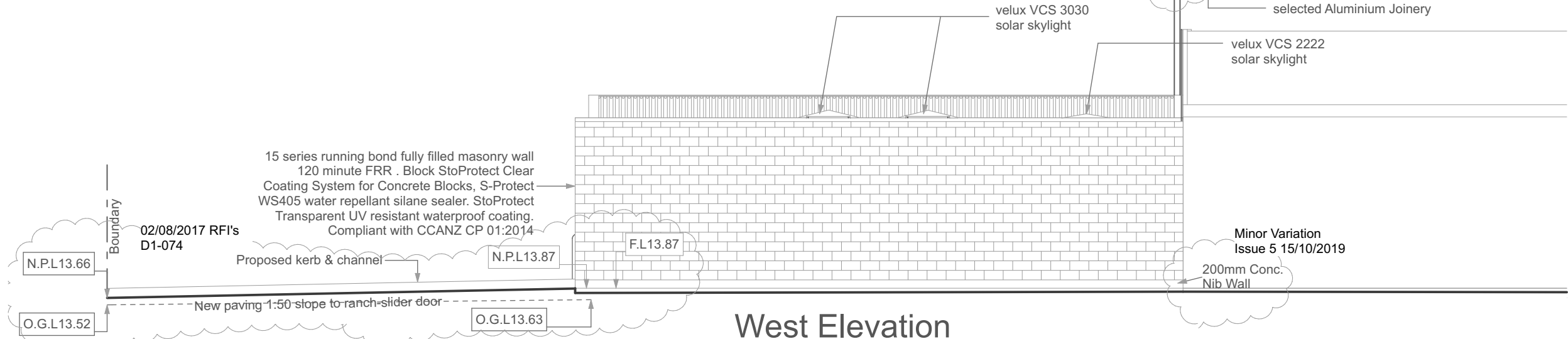
BUILDING ENVELOPE RISK MATRIX		
North Elevation		
Risk Factor	Risk Severity	Risk Score
Wind zone (per NZS 3604)	Low risk	0
Number of storeys	Low risk	0
Roof/wall intersection design	Medium risk	1
Eaves width	Very high risk	5
Envelope complexity	Low risk	0
Deck design	Low	0
Total Risk Score:		6

11/04/2017 RFI's Issue 3

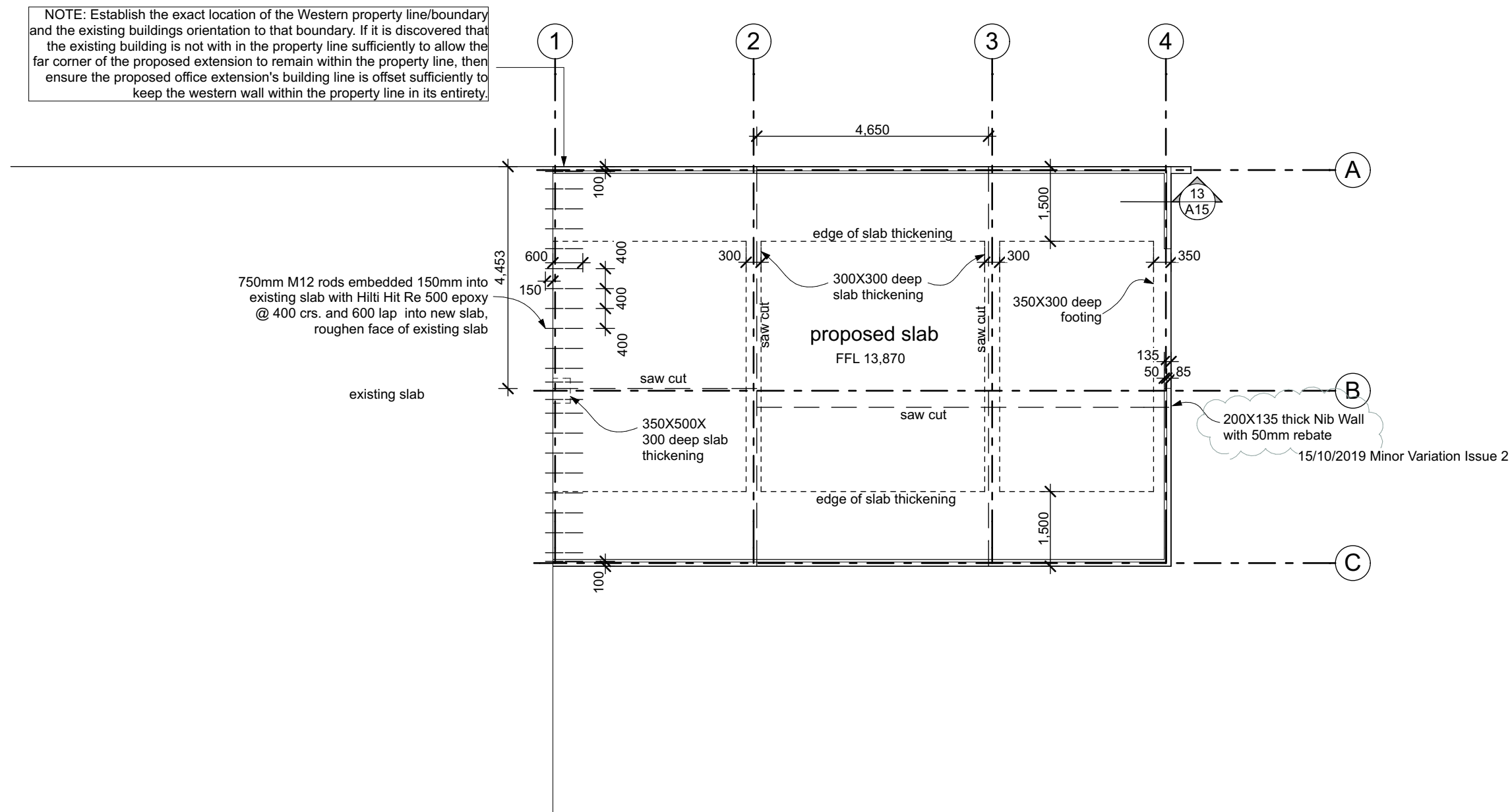
15 series stack bond fully filled masonry block StoProtect Clear Coating System for Concrete Blocks, S-Protect WS405 water repellent silane sealer. StoProtect Transparent UV resistant waterproof coating. Compliant with CCANZ CP 01:2014



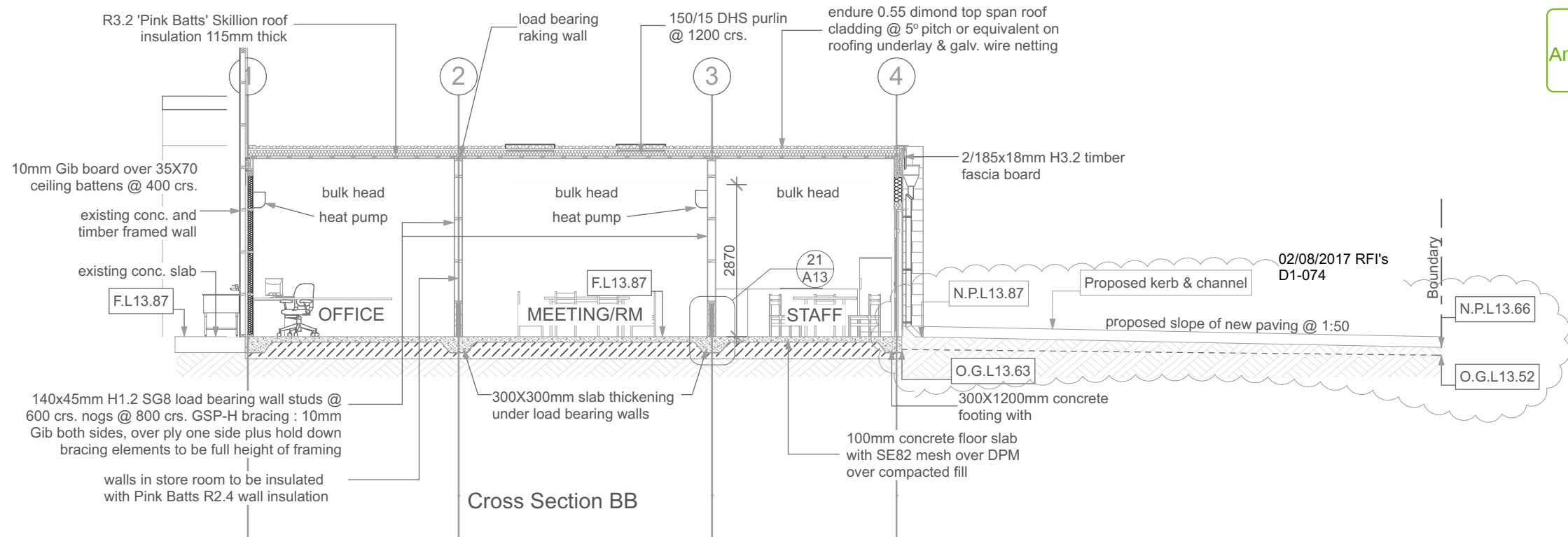
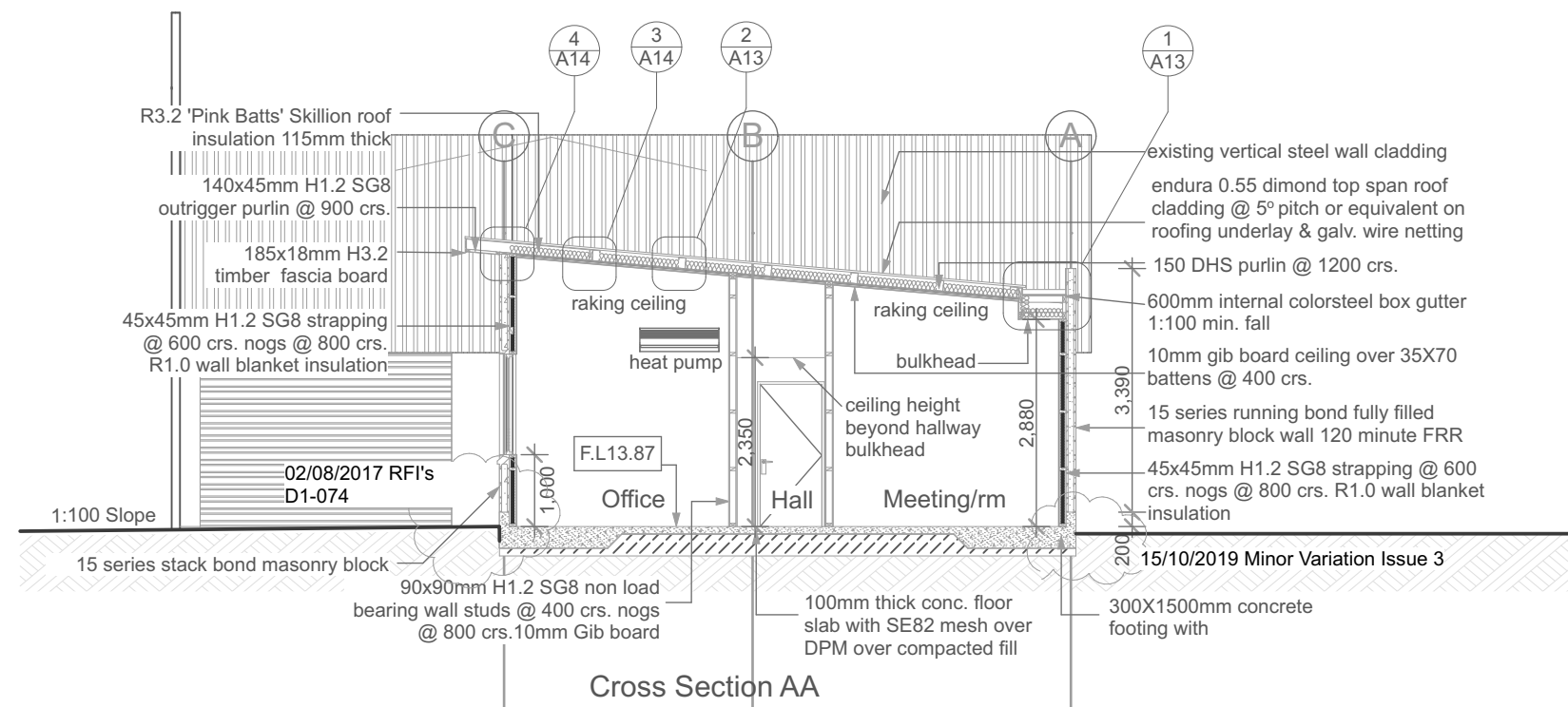
East Elevation



West Elevation



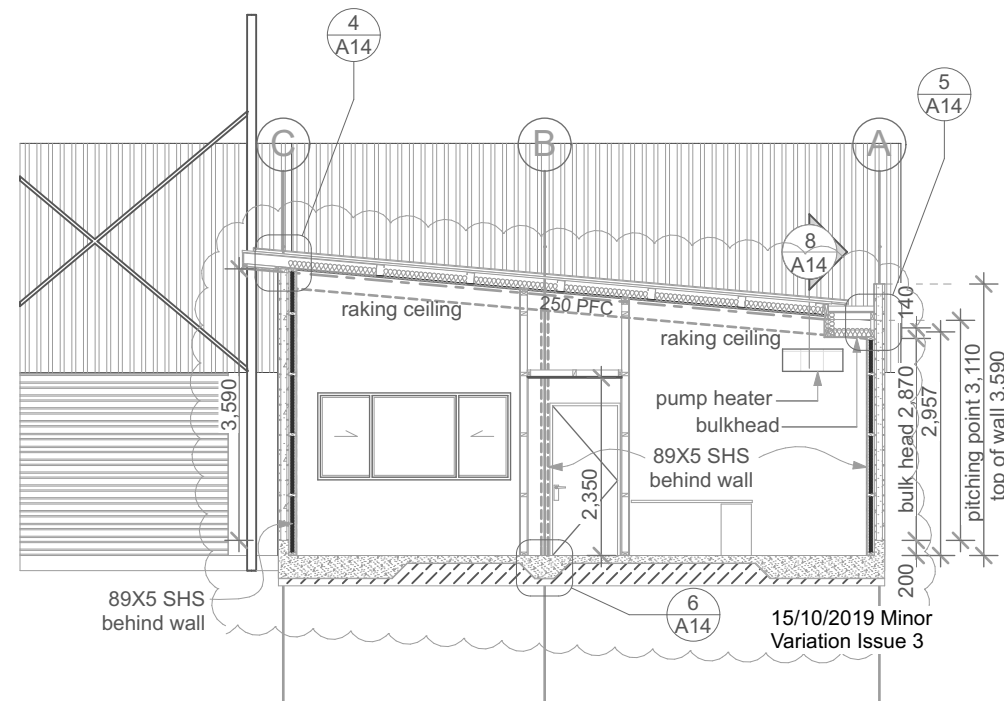
Amendment #1



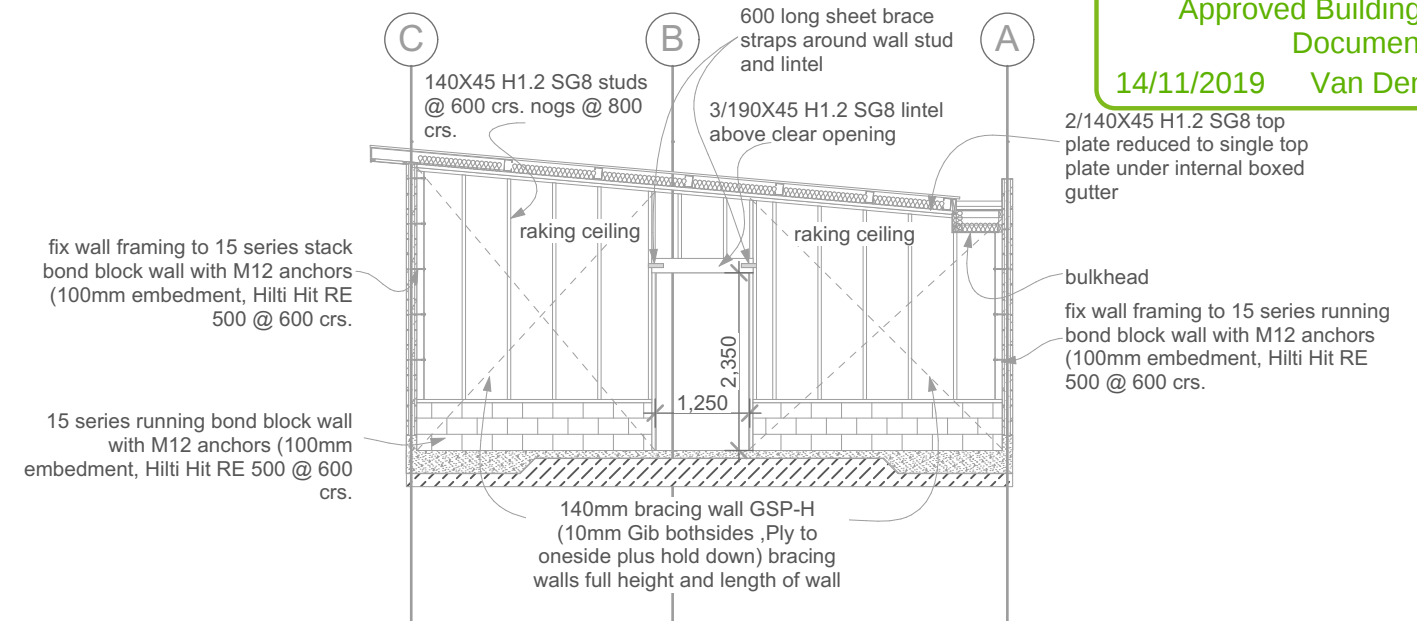
Amendment #1

15/10/2019 Minor Variation Issue 3

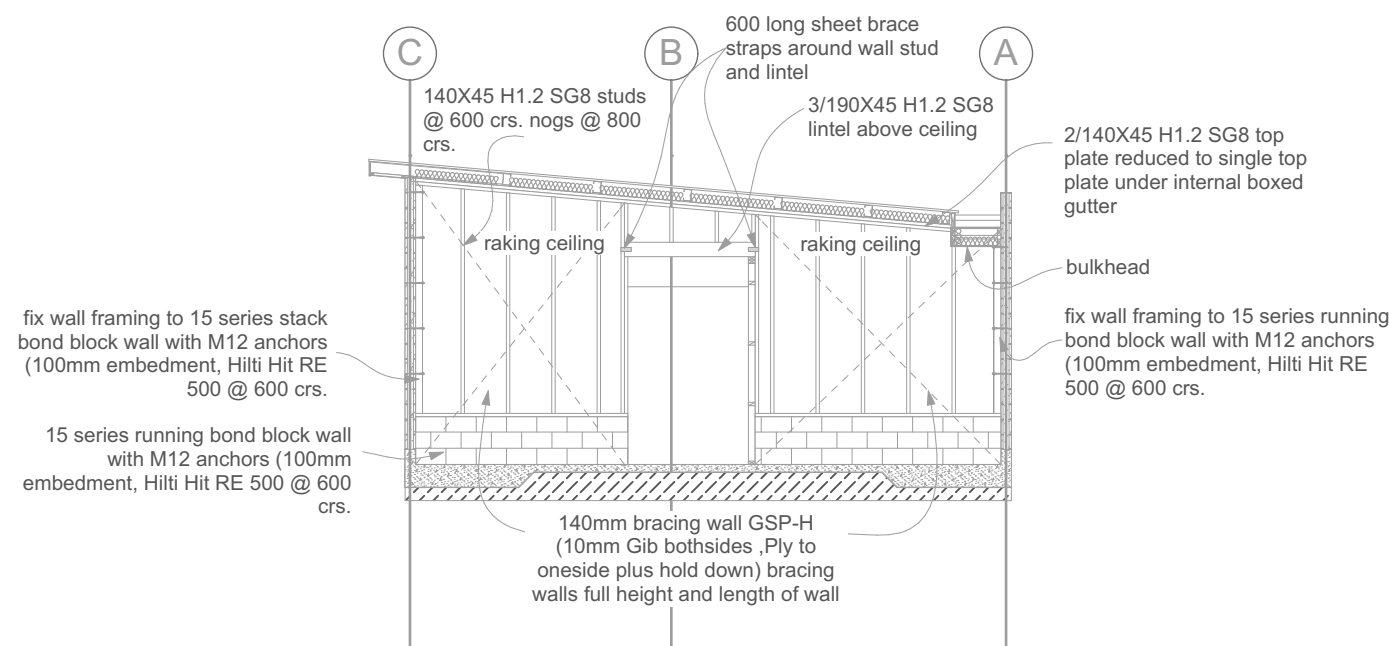
02/08/2017 RFI's Issue 2



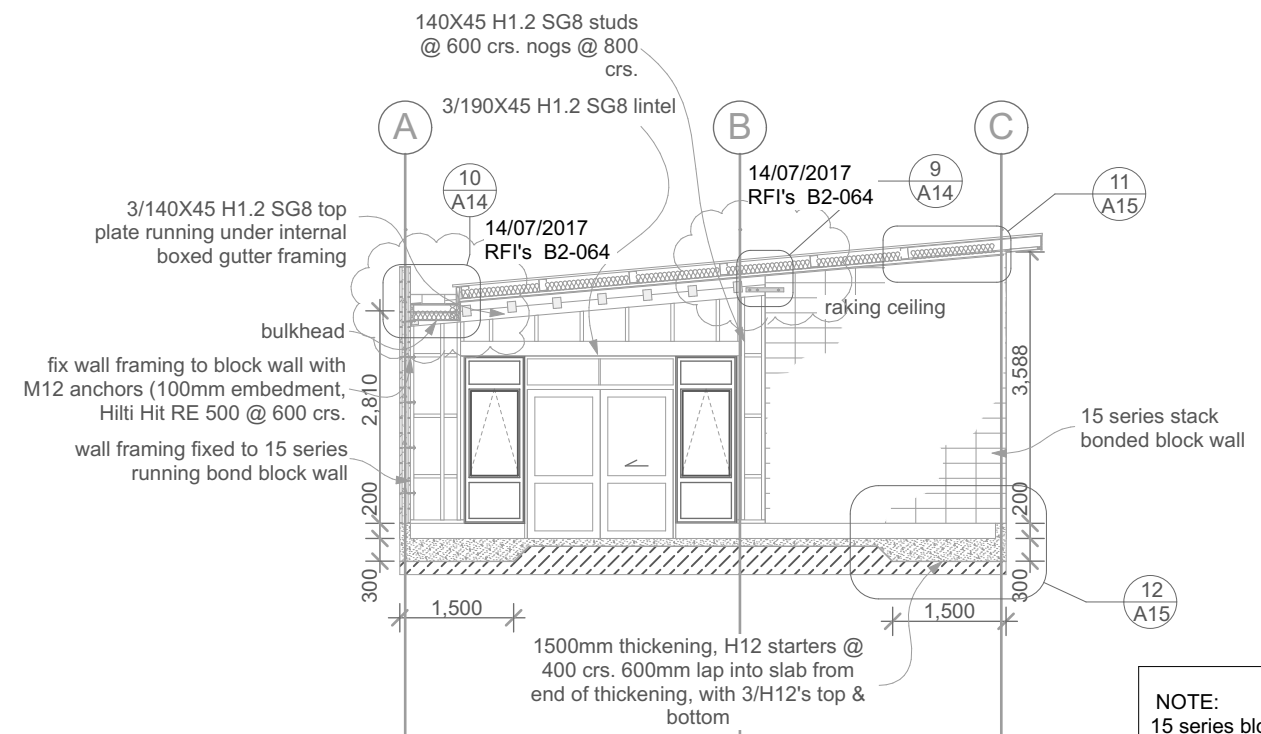
Gridline 1 Cross Section



Gridline 2 Cross Section



Gridline 3 Cross Section



Gridline 4 Cross Section

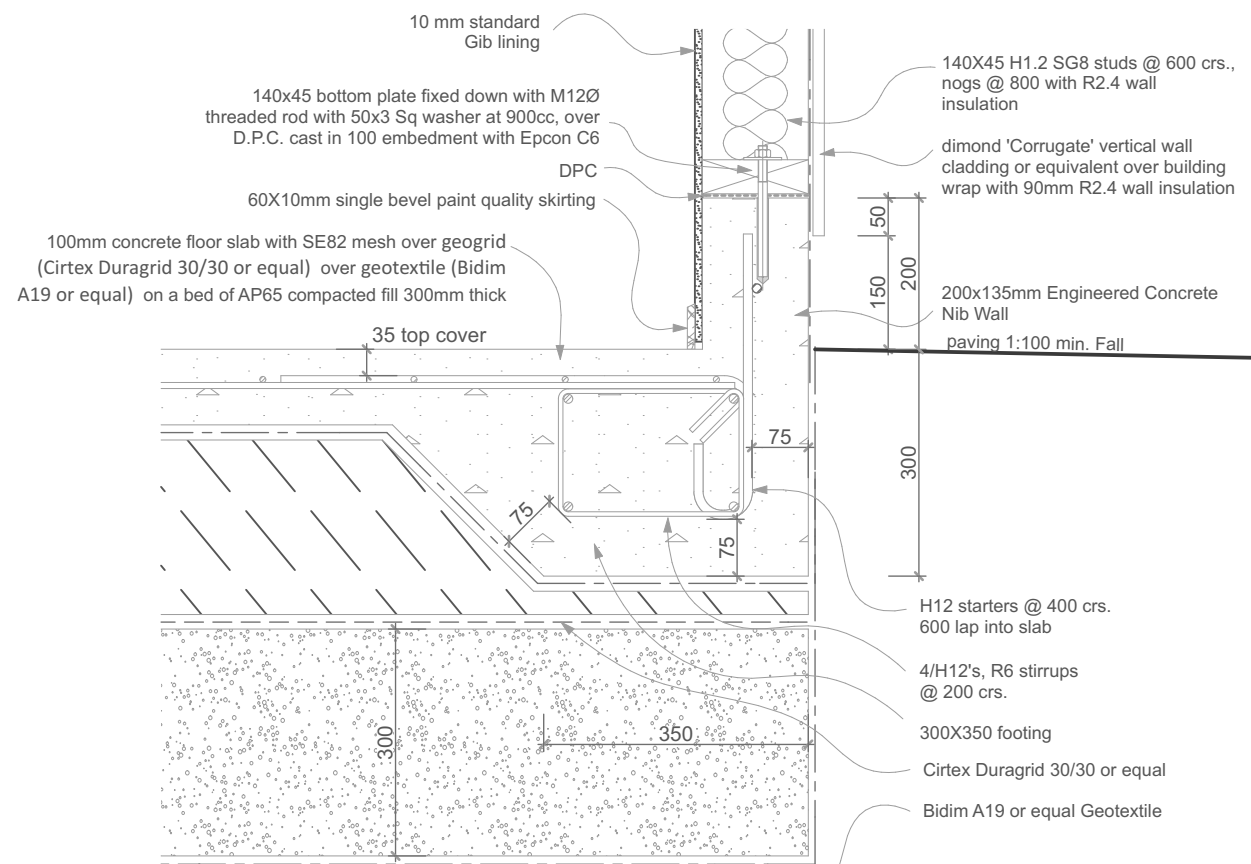
Amendment #1

NOTE:
15 series block walls on grids A & C

- H12's @ 400 crs. verticals
- D16's @ 200 crs. horizontal in 3 courses by roof connection.
- H12's @ 400 crs. horizontal rest of wall.

wall framing to NZS 3604:2011

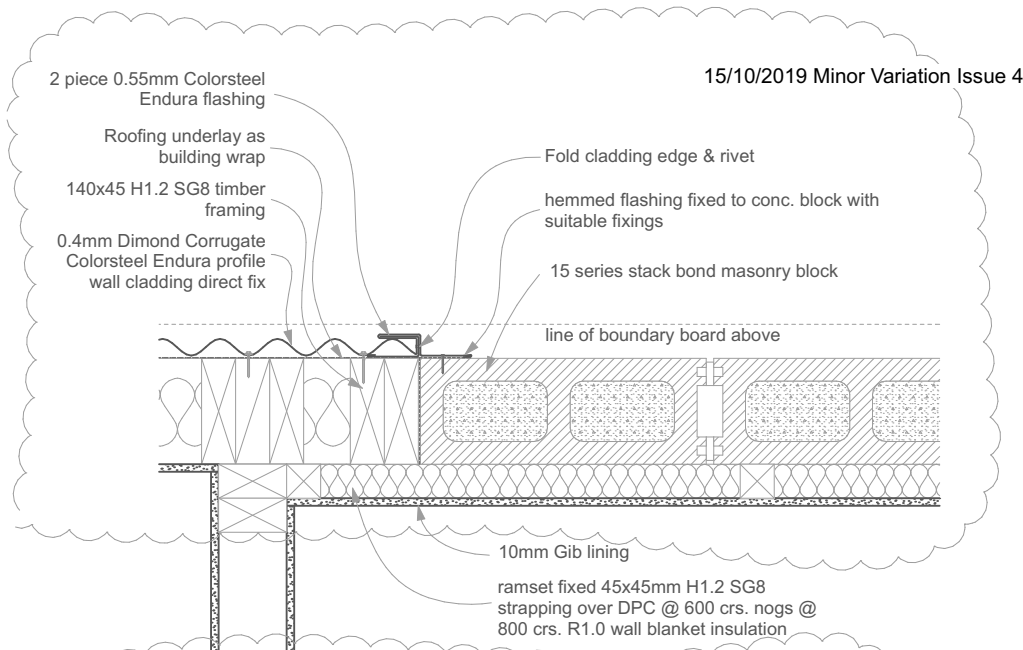
15/10/2019 Minor Variation Issue 3
14/07/2017 RFI's B2-064 Issue 2



Grid 4 Slab Foundation
Section Detail

13
A9

15/10/2019 Minor Variation Issue 4



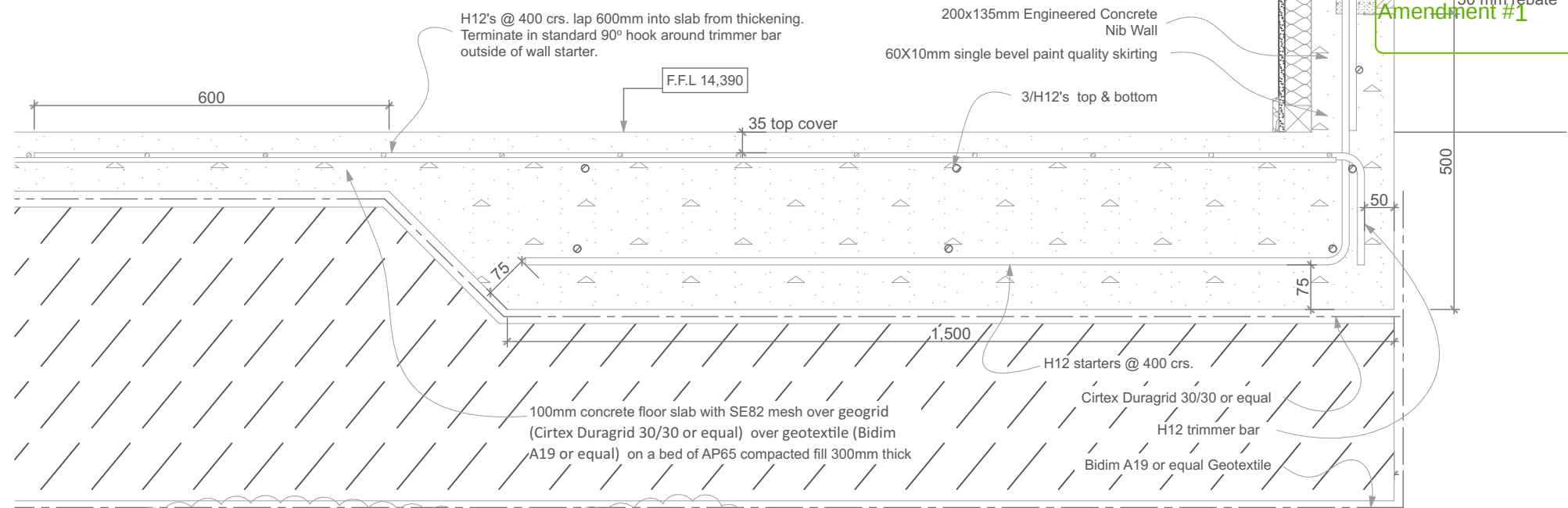
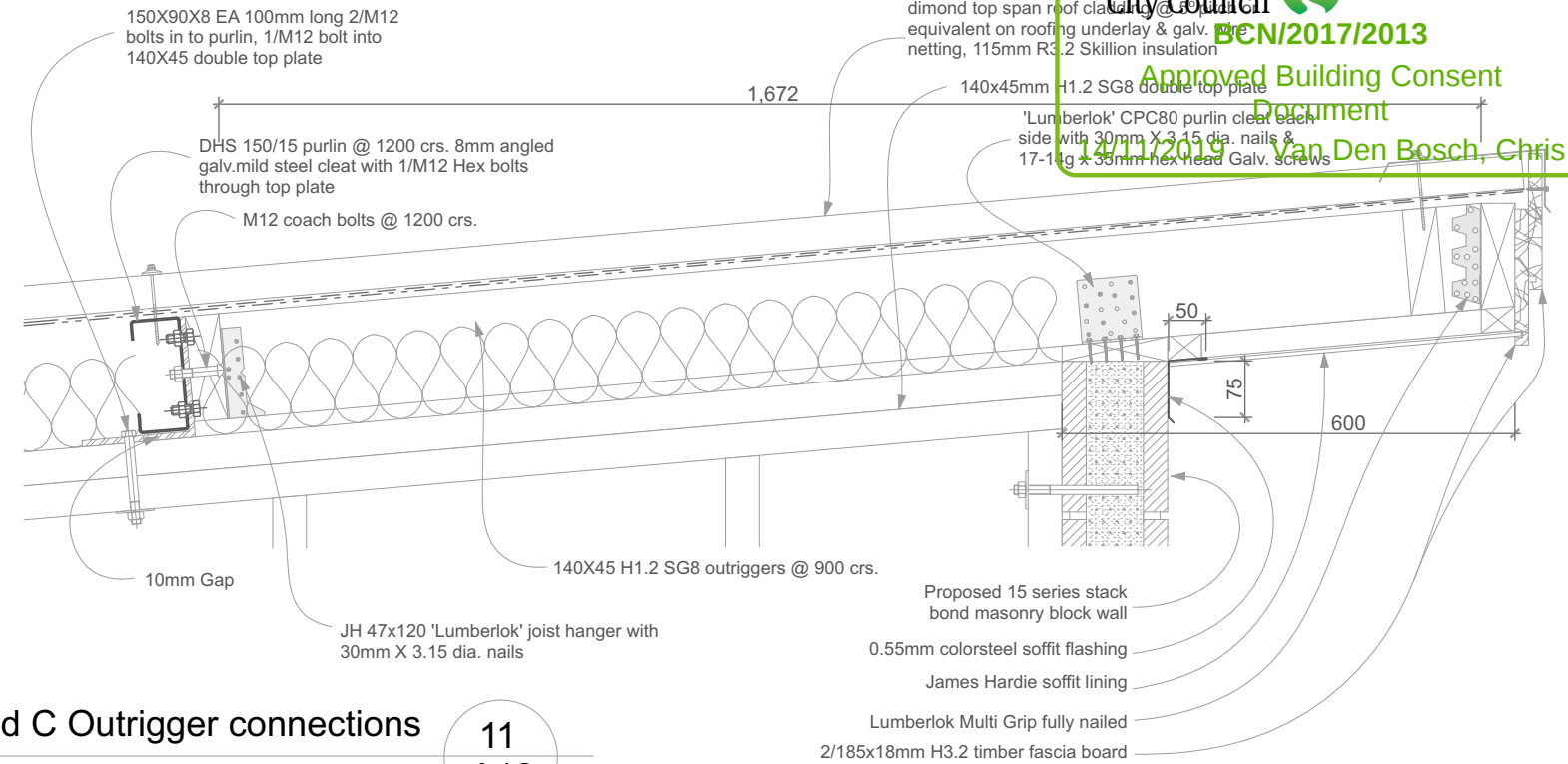
Metal Cladding to Concrete
Block Flashing
Plan Detail

20
A6

11/04/2017 RFI's
Issue 3

Grid C Outrigger connections
Section Detail

11
A12

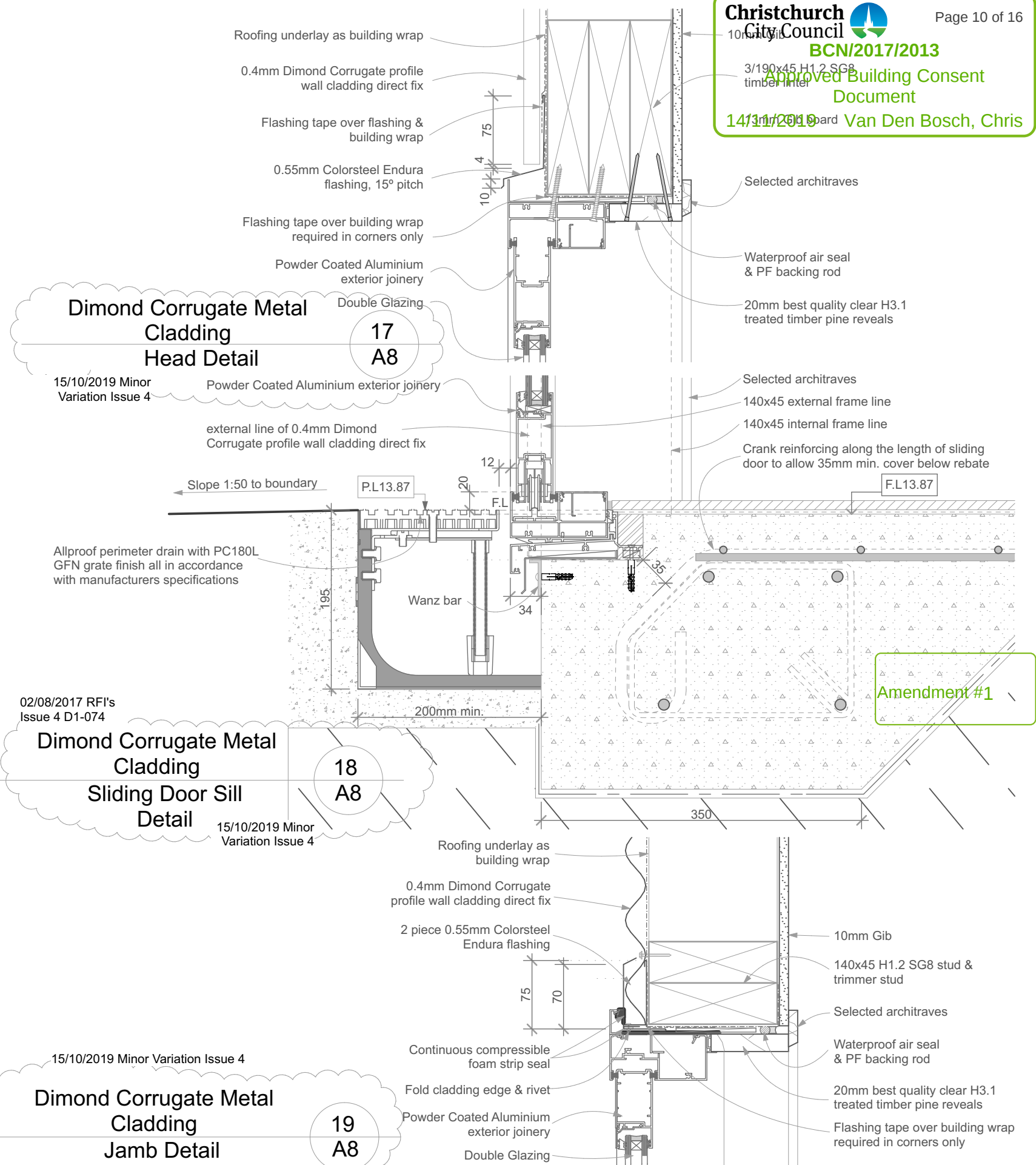
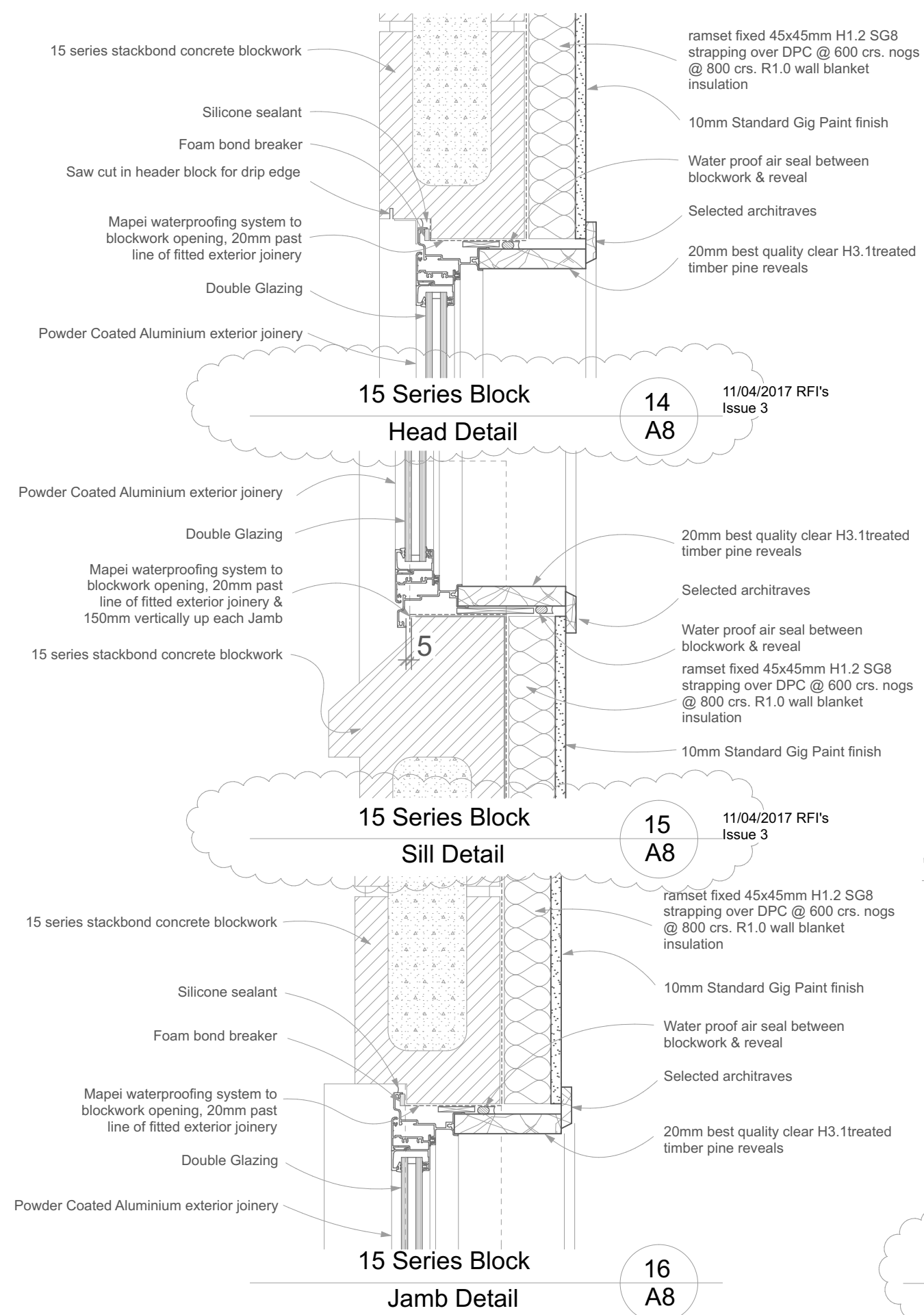


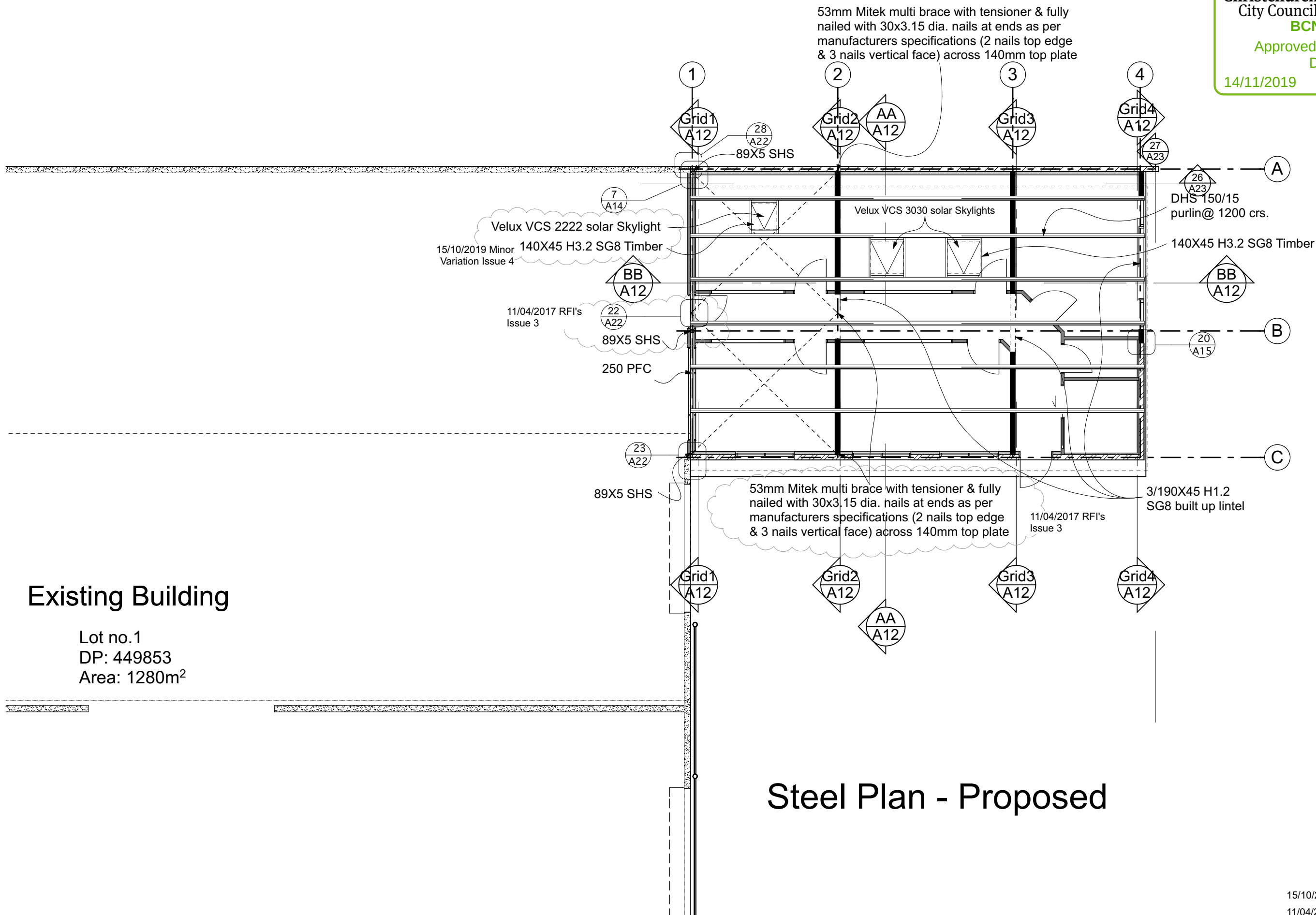
Grid C Slab Thickening
Section Detail

12
A12

15/10/2019 Minor Variation Issue 4

15/10/2019 Minor Variation Issue 4
11/04/2017 RFI's Issue 3



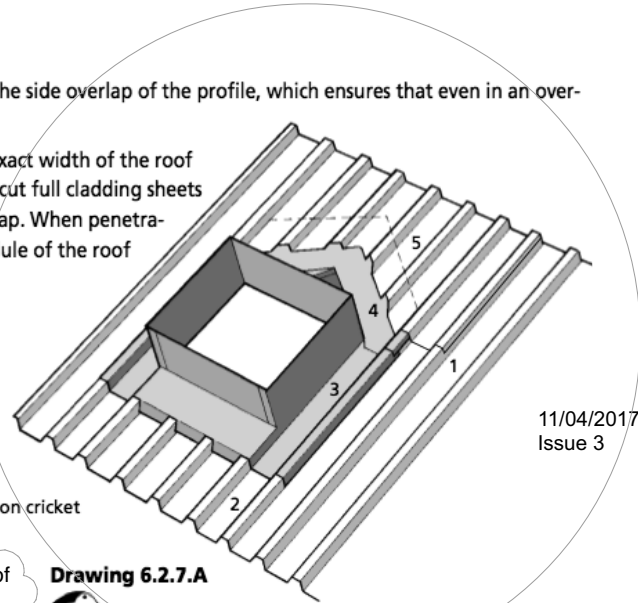


Amendment #1

All soaker flashings have an overlap to mate with the side overlap of the profile, which ensures that even in an over-flow situation, water ingress is avoided.

It is highly unlikely that a penetration will be the exact width of the roof sheet so the preferred method of weathering is to cut full cladding sheets above the penetration and flash at the transverse lap. When penetrations line up with the ribs of the sheeting, the module of the roof cladding determines the width of the penetration.

- Sheet 1 is full length
- Sheet 2 is cut to the bottom of the penetration dimension
- Flashing 3 is the side curb
- Flashing 4 is the back curb
- Sheet 5 is cut to the top of the penetration cricket + 75mm



11/04/2017 RFI's
Issue 3

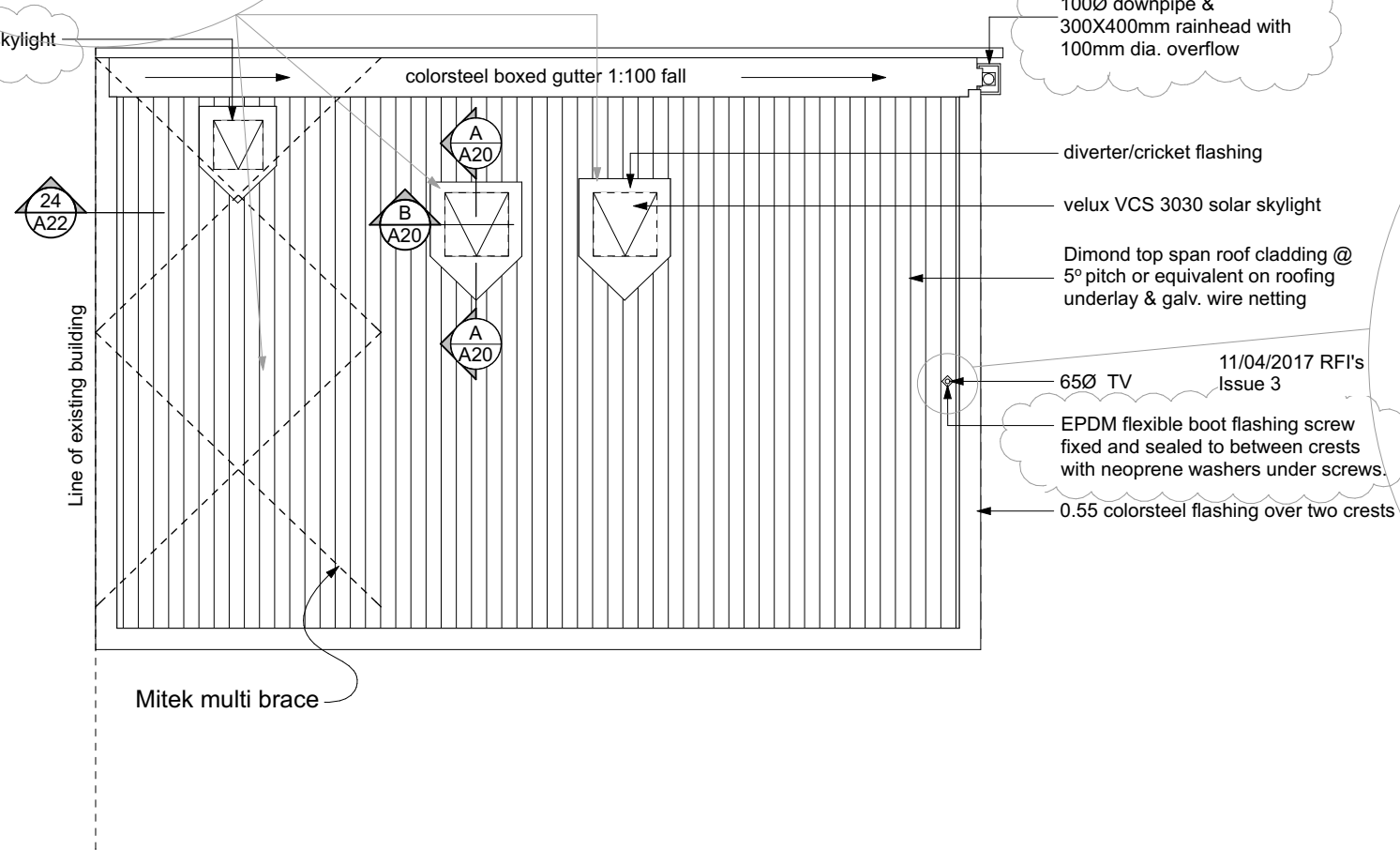
Section 6 drawing 6.2.7.A of NZ Metal Roof and Wall Cladding Code of Practice.

Drawing 6.2.7.A



11/04/2017 RFI's
Issue 3

velux VCS 2222 solar skylight
15/10/2019 Minor
Variation Issue 4



11/04/2017 RFI's
Issue 3

100Ø downpipe &
300X400mm rainhead with
100mm dia. overflow

diverter/cricket flashing

velux VCS 3030 solar skylight

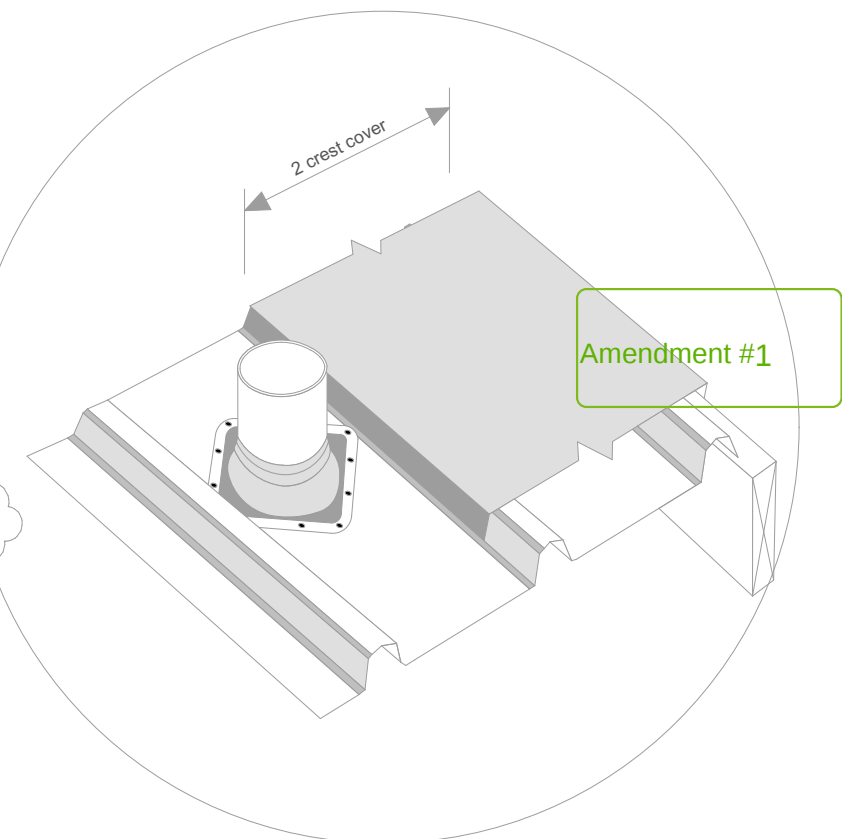
Dimond top span roof cladding @
5° pitch or equivalent on roofing
underlay & galv. wire netting

65Ø TV

11/04/2017 RFI's
Issue 3

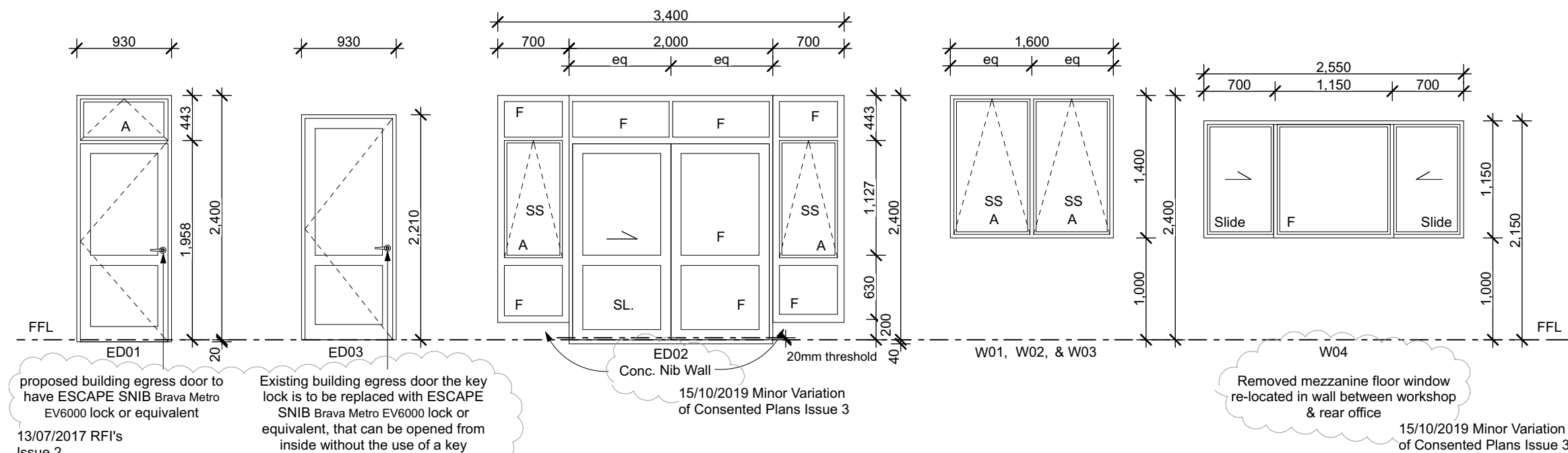
EPDM flexible boot flashing screw
fixed and sealed to between crests
with neoprene washers under screws.

0.55 colorsteel flashing over two crests



Amendment #1

15/10/2019 Minor Variation Issue 4
11/04/2017 RFI's Issue 3



Exterior Joinery Schedule

Notes

- APL powder coated aluminium exterior joinery, double glazed unless stated otherwise
- Overall sizes shown to trimmed opening, check on site opening sizes before making up exterior joinery units
- Fit 2 restrictor stays to awning opening window sashes where the sill is less than a metre above floor
- Fit double tongue fasteners to all awning opening sashes
- All glazing to be grey tinted (unless stated otherwise) to comply with NZS4223 parts 1-3
- Selected obscure single glazing to Ablutions to comply with NZS4223 parts 1-3

Key:

- F. Fixed glazed panel
- A. Awning opening window
- SL. Sliding Door
- SS Safety Stays
- SG Safety Glass

Amendment #1

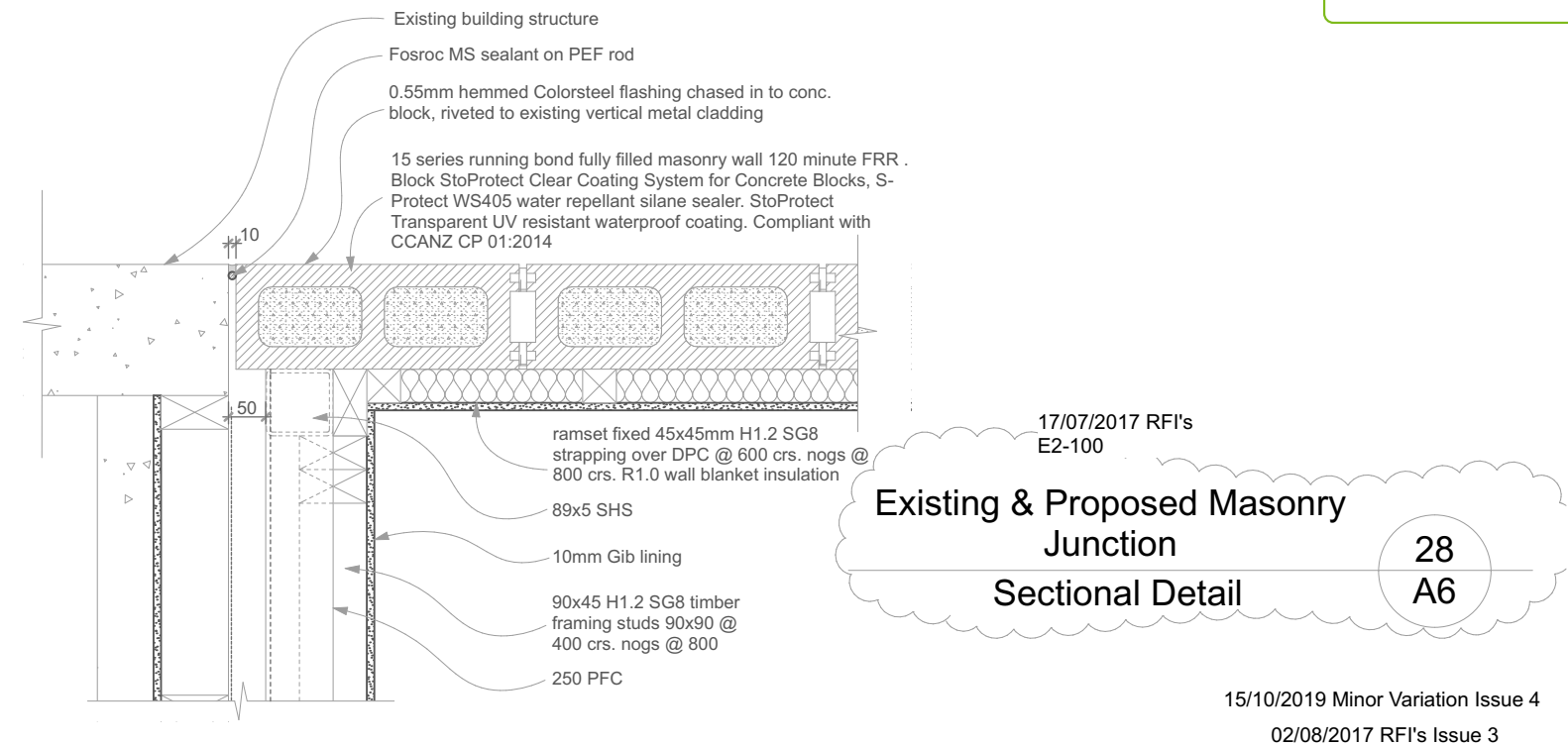
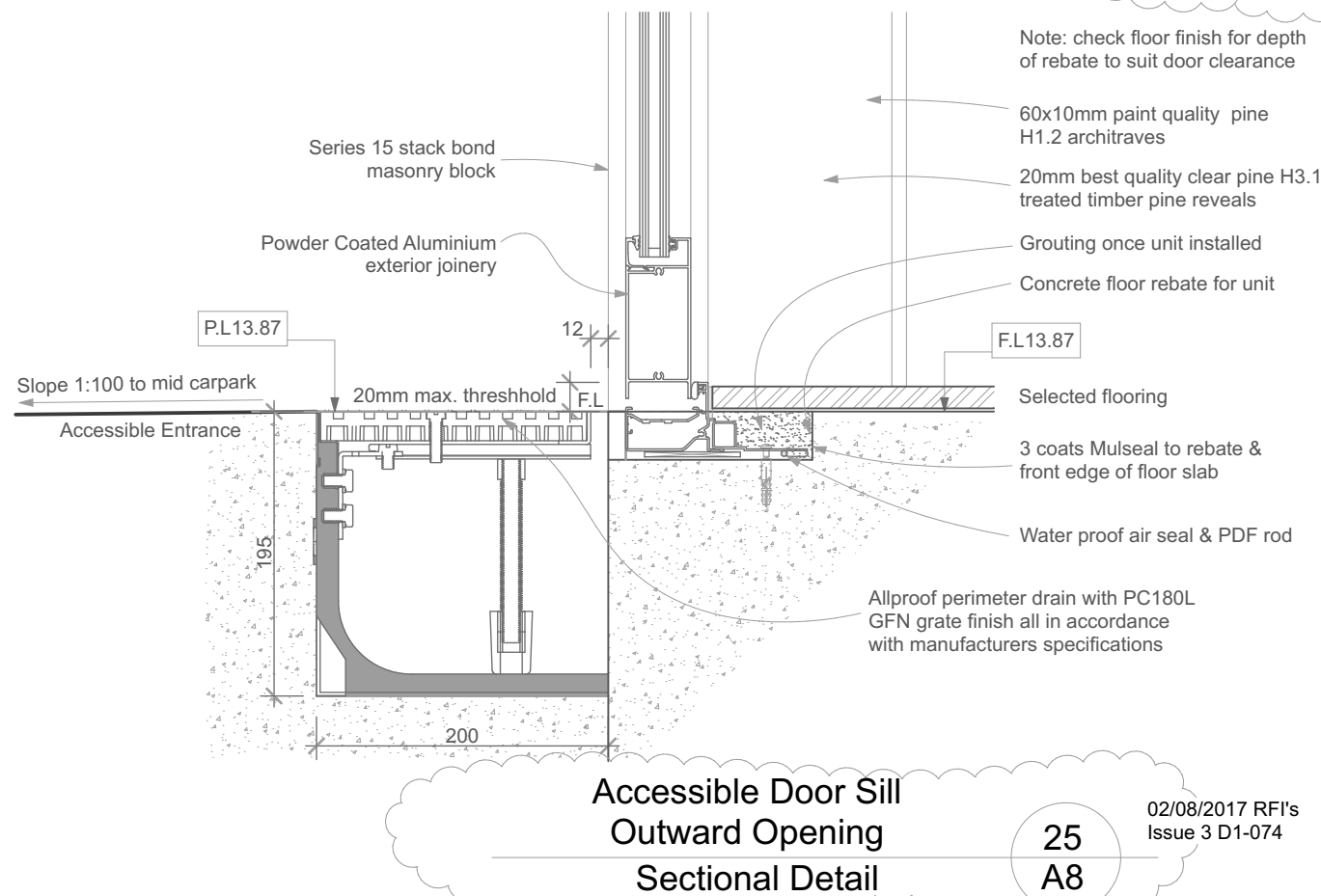
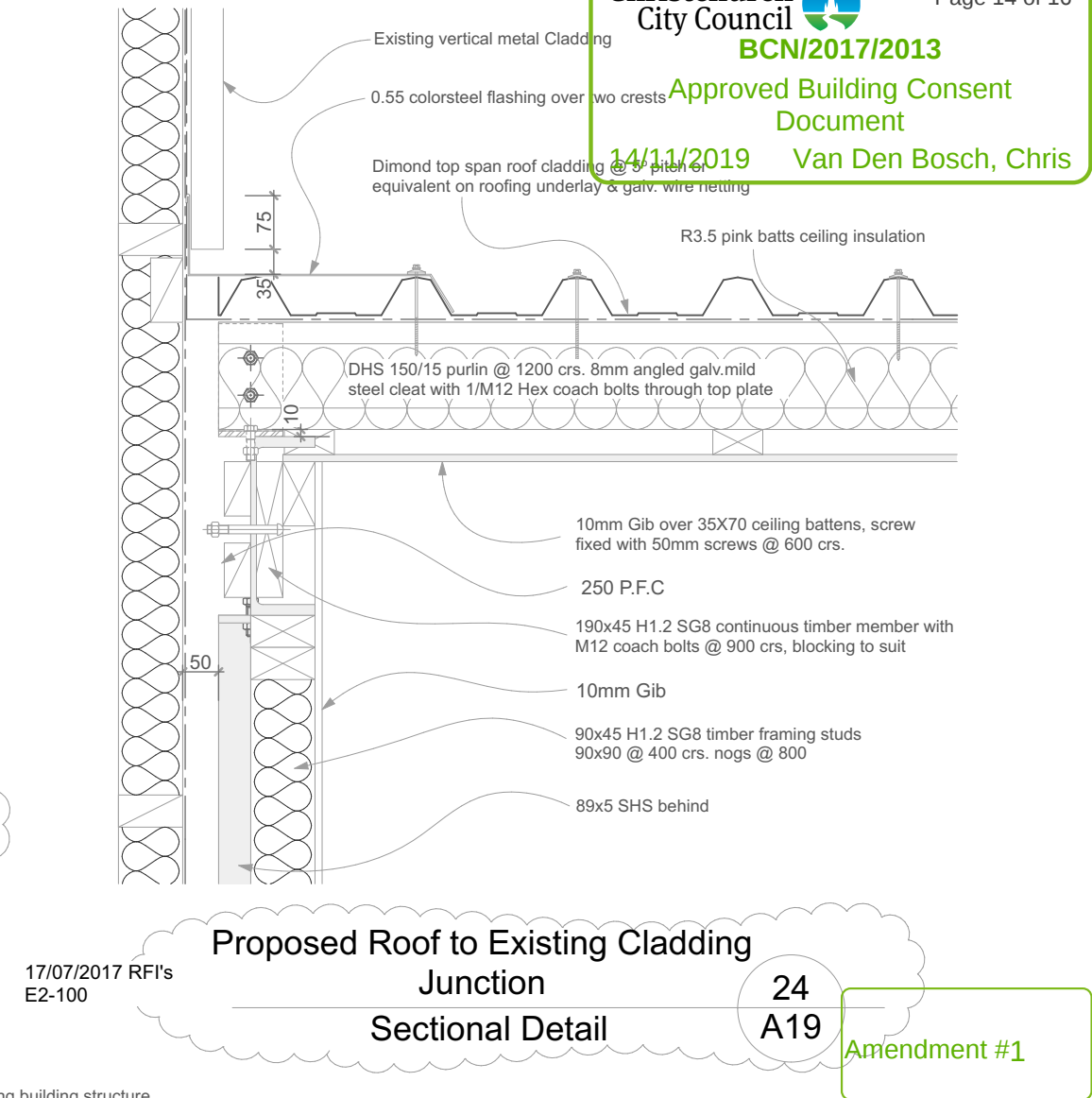
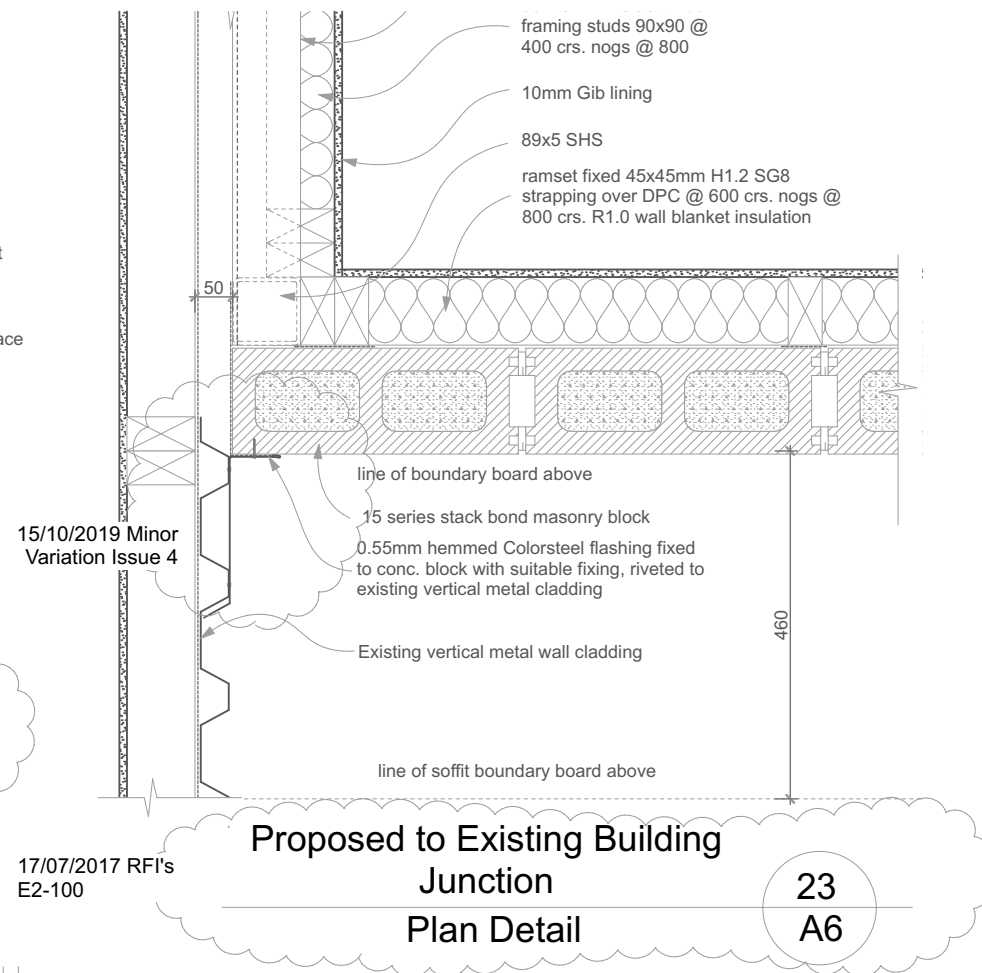
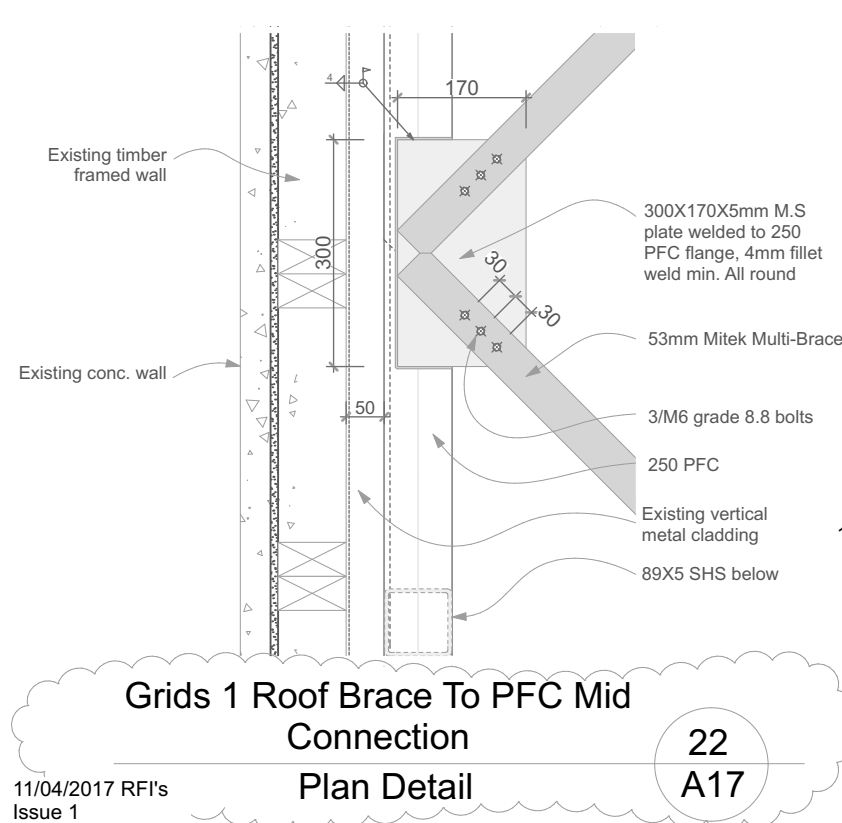
Interior / Exterior Joinery List

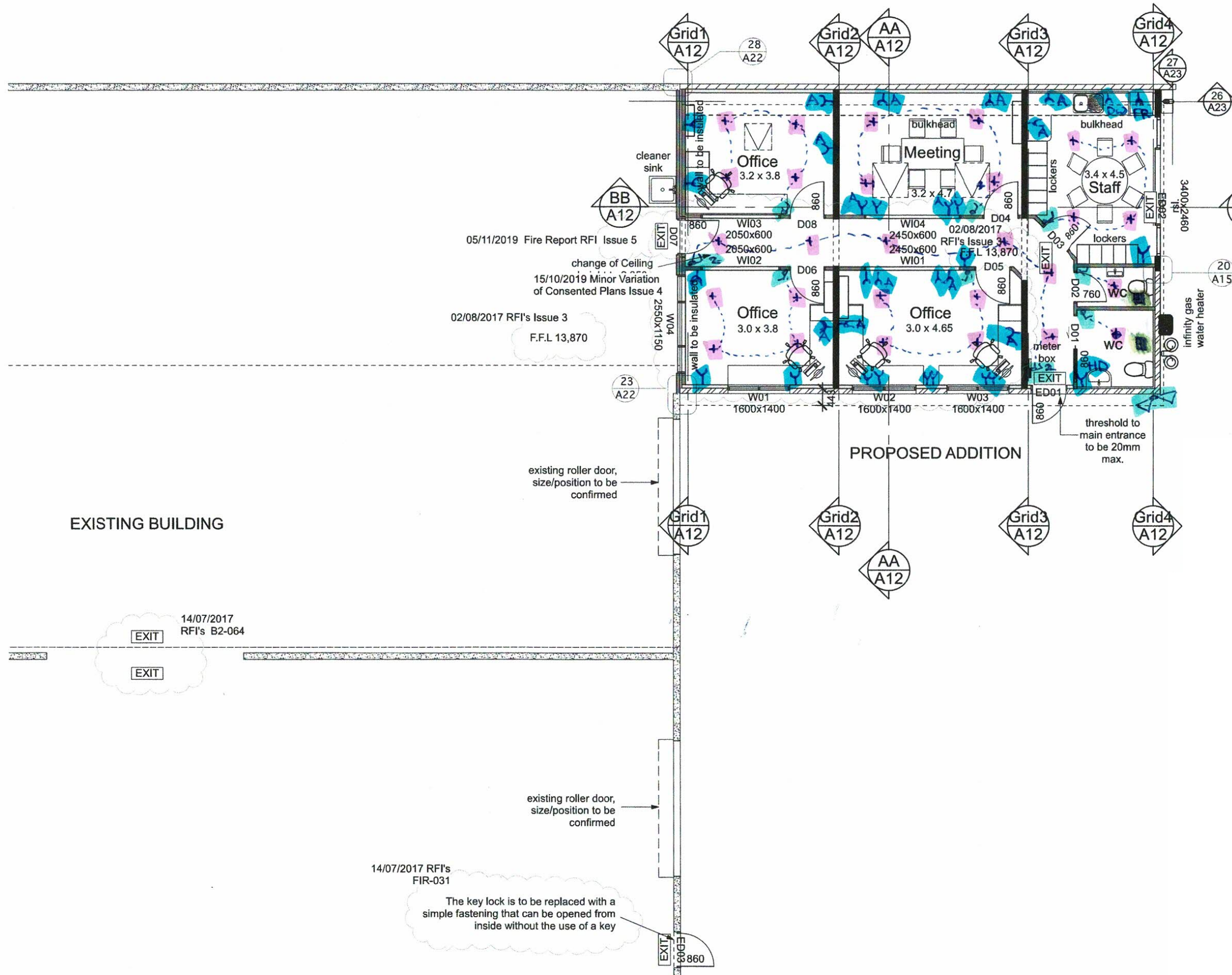
Item No.	Type	Hinged	Open	Leaf Size	Location	Material	Dimension	Hardware
D01	Cavity Slider	Roller		860x1980	Interior	Wooden Jambs / Hollow Core		CL100 LAVlock
D02	Single Swing	Right Hand	In	760x1980	Interior	Wooden Jambs / Hollow Core		Brava MetroEV6000
D03,D04,D05,D09	Single Swing	Right Hand	In	860x1980	Interior	Wooden Jambs / Hollow Core		Brava MetroEV6000
D06,D08	Single Swing	Left Hand	In	860x1980	Interior	Wooden Jambs / Hollow Core		Brava MetroEV6000
D07	Single Swing	Right Hand	Out	860x1980	Interior	Wooden Jambs / Hollow Core		Brava MetroEV6000
ED01	Single Swing with Awning above Head	Left Hand	Out	860x1980	Exterior	Aluminium / Glass		Brava MetroEV6000 or equivalent
ED02	Ranch Slider sidelights with awnings & safety stays	Roller	Slider		Exterior	Aluminium / Glass Dbl Glazed	3600x2450	Austral Yarra View-Curve or equivalent Miro Fastener by Vantage
ED03	Single Swing	Left Hand	Out	860x1980	Exterior	Aluminium / Glass	Minor Variation Issue 3 23/01/2019	Brava MetroEV6000 or equivalent
W01, W02, W03	Dbl Awning with safety stays	Top	Out		Exterior	Aluminium / Glass Dbl Glazed	1600x1400	Miro Fastener by Vantage
W04	Fixed Pane with slider each end	Sliding	N/A		Exterior	Aluminium / Glass	2550x1150	Existing relocated

13/07/2017 RFI's Issue 2
14/07/2017 RFI's FIR-031

15/10/2019 Minor Variation of Consented Plans Issue 3

15/10/2019 Minor Variation Consented Plans Issue 3
13/07/2017 RFI's Issue 2
14/07/2017 RFI's

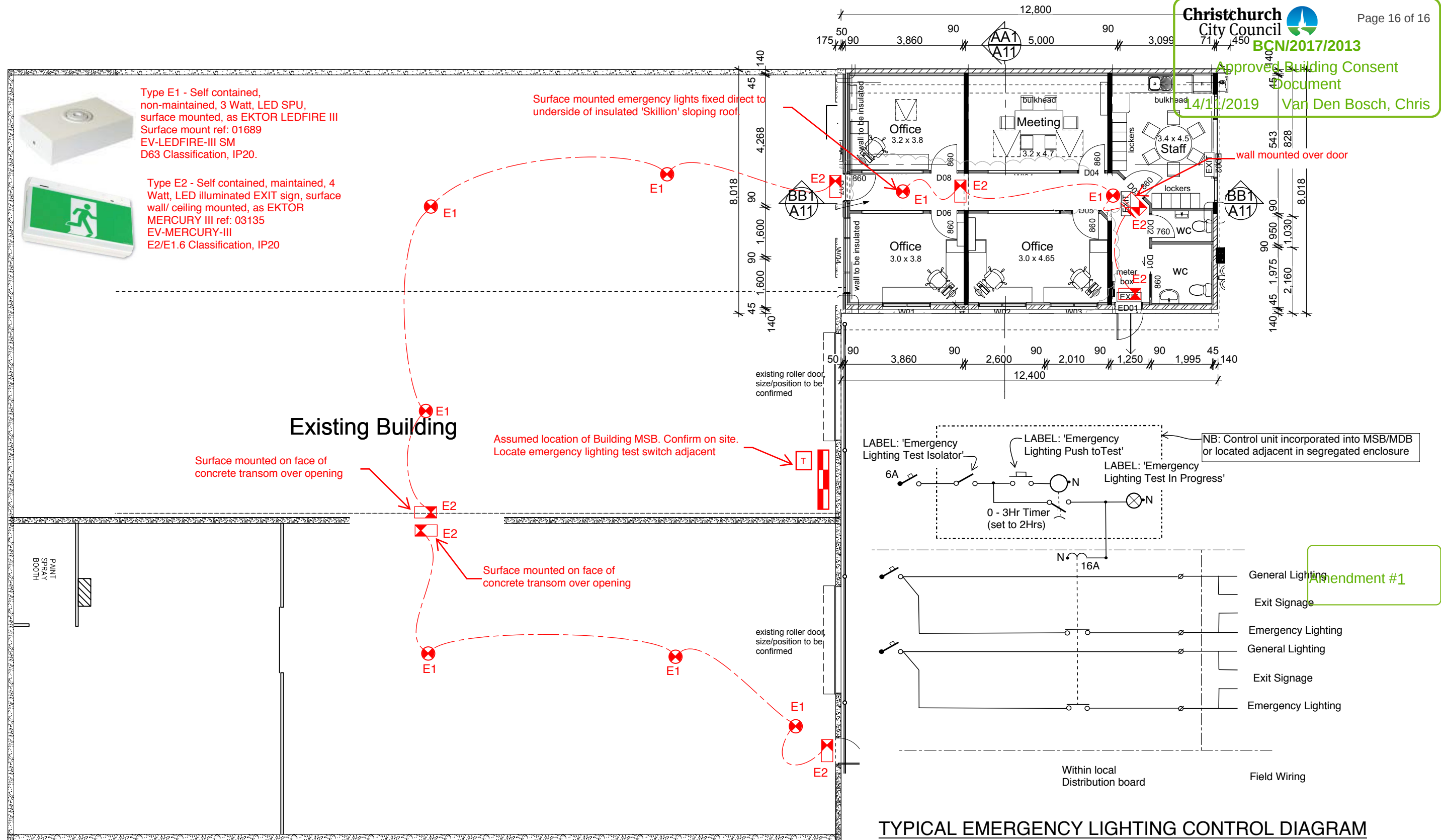




- + - Single light switch
- 2 - 2way light switch
- 22 - Security sensor light
- Double socket - 300mm
- Double socket - above bench
- FR - Fridge
- DW - Dishwasher
- HD - Hand dryer
- EF - Extract Fan

11/11/2019 CHCH C.C RFI G8 & G9 Issue 1

Amendment #1



Amendment #1

Symbol	Description
	New emergency luminaire (surface/recessed)
	New illuminated EXIT sign (Directional as required)
	Main switchboard -MSB
	Emergency lighting test point at MSB
	emergency circuiting line

NOTES:

This drawing to be read in conjunction with the separately attached 'Notes' & 'Specifications' sheets

CHECK ALL INFORMATION ON SITE PRIOR TO COMMENCING WORK. READ IN CONJUNCTION WITH THE SPECIFICATION AND OTHER RELEVANT DRAWINGS AND DOCUMENTS				PROJECT EQ STRENGTHENING & PROPOSED OFFICE, 80 BYRON STREET, CHRISTCHURCH	SHEET TITLE: EMERGENCY LIGHTING LAYOUT	CONSENT		
B	REVISED CONSENT ISSUE	06.11.19				DESIGNED: RLW	DATE: 18.07.17	ISSUE: B
A	CONSENT ISSUE	18.07.17				DRAWN: RLW	SCALE: NTS	
ISSUE	AMENDMENT	DATE				SHEET No: CC16175-EL.01		