

SITE DRAWINGS

ISSUE : 05.09.2018 - FOR INFORMATION



Generation II H3.2 Exterior Cladding Systems Vertical Shiplap Weatherboard - Cavity Fix



These environmental certifications have been awarded to MicroPro® Wood Treatment Technology



CAD REF : KLC CF20 VS00 COVER SHEET.dwg
DATE : 26/10/2018



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TYPE Generation II H3.2 Exterior Cladding Systems
Vertical Shiplap WB - Cavity Fix

NAME A4 COVER - Site Details



DRAWING SCALE
N.T.S

ISSUE DATE
26/10/2018

DRAWING No KLC CF20 VS01	REVISION
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A4 Site Details - INDEX

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KLC CF20 VS11	Window Sill Detail - Aluminium Joinery
KLC CF20 VS12	Window Jamb Detail - Aluminium Joinery
KLC CF20 VS13	Window Flashing Details - Aluminium Joinery
KLC CF20 VS20	Door Head Detail - Aluminium Joinery
KLC CF20 VS21	Door Sill Detail - Aluminium Joinery
KLC CF20 VS22	Door Jamb Detail - Aluminium Joinery
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KLC CF20 VS64	Apron Flashing - Roof to Wall Junction
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TYPE

Generation II H3.2 Exterior Cladding Systems
Vertical Shiplap WB - Cavity Fix

NAME A4 INDEX - Site Details

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DRAWING No
KLC CF20 VS02

REVISION

General Notes :

This documentation has been specifically designed to help Architects, Designers & Builders. They are grouped into Two Sections

A3 / A1 ARCHITECTURAL DRAWINGS :

The details are grouped together to make up completed A1 or A3 drawings.
eg WINDOW DETAILS (Head, Sill, Jamb & Flashing Details)

A4 SITE DRAWINGS :

The details in this section are full scale 1:2 at A4. You can easily read these drawings and are intended for the builder.

ARCHITECTS / DESIGNERS RESPONSIBILITY :

We have made the drawings as accurate as possible. We have even specified extra flashing's in some areas that are over and above the NZ Building Code E2/AS1 External Moisture.

But it is the Architects / Designers responsibility to confirm the suitability of these details for his particular projects and his client.

The Architect / Designer will need to determine the "RISK MATRIX" that is project specific, that then determines the details required.

Builder that have questions about these details, will need to contact there project specific Architect or Designer

TECHNICAL INFORMATION :

1. The AutoCAD drawings have all the Xref,s embedded as blocks.
Erase the title block and Xref in your own title block.
2. These drawings have been KEY NOTED
This makes the details more readable, people then focus on the actual important notes on the drawing. This also allows for easier revisions. You only need to change one key note reference. You will need to personalize these notes to make them specific for your project.
3. The Drawings are coloured and have pen assignments to the colours. a PGP file will be supplied in the Zip File. All the drawing output sheets are default set to print a PDF drawing. It is recommended that you print these detail in PDF then print your paper copies from the PDF File.
4. The AutoCAD drawings, are made up of multiple details, The A1/A3 output drawings also link into the A4 Detail drawings, These A4 drawings have special scaled down notes and blocks.
(Annotative Scale) But it is the exact same information
5. These drawings are Copyrighted to " KLC LIMITED" (ALL RIGHTS ASSERTED) and there Approved Clients. The Drawings have two methods of Electronic protect.
You will receive your own personal password to open the drawings.

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- b) Accept responsibility for any loss, damage (including indirect, special or consequential loss or damage), however caused (including through negligence) that you may directly or indirectly suffer in connection with your use of or reliance on the KLC & AIPdesignNZ Details, including the accuracy or currency of the KLC & AIPdesignNZ Details. Any condition, warranty, right or liability which would otherwise be implied is excluded.



TYPE

**Generation II H3.2 Exterior Cladding Systems
Vertical Shiplap WB - Cavity Fix**

NAME **A4 NOTES - Site Details**

DRAWING SCALE

N.T.S

ISSUE DATE

26/10/2018

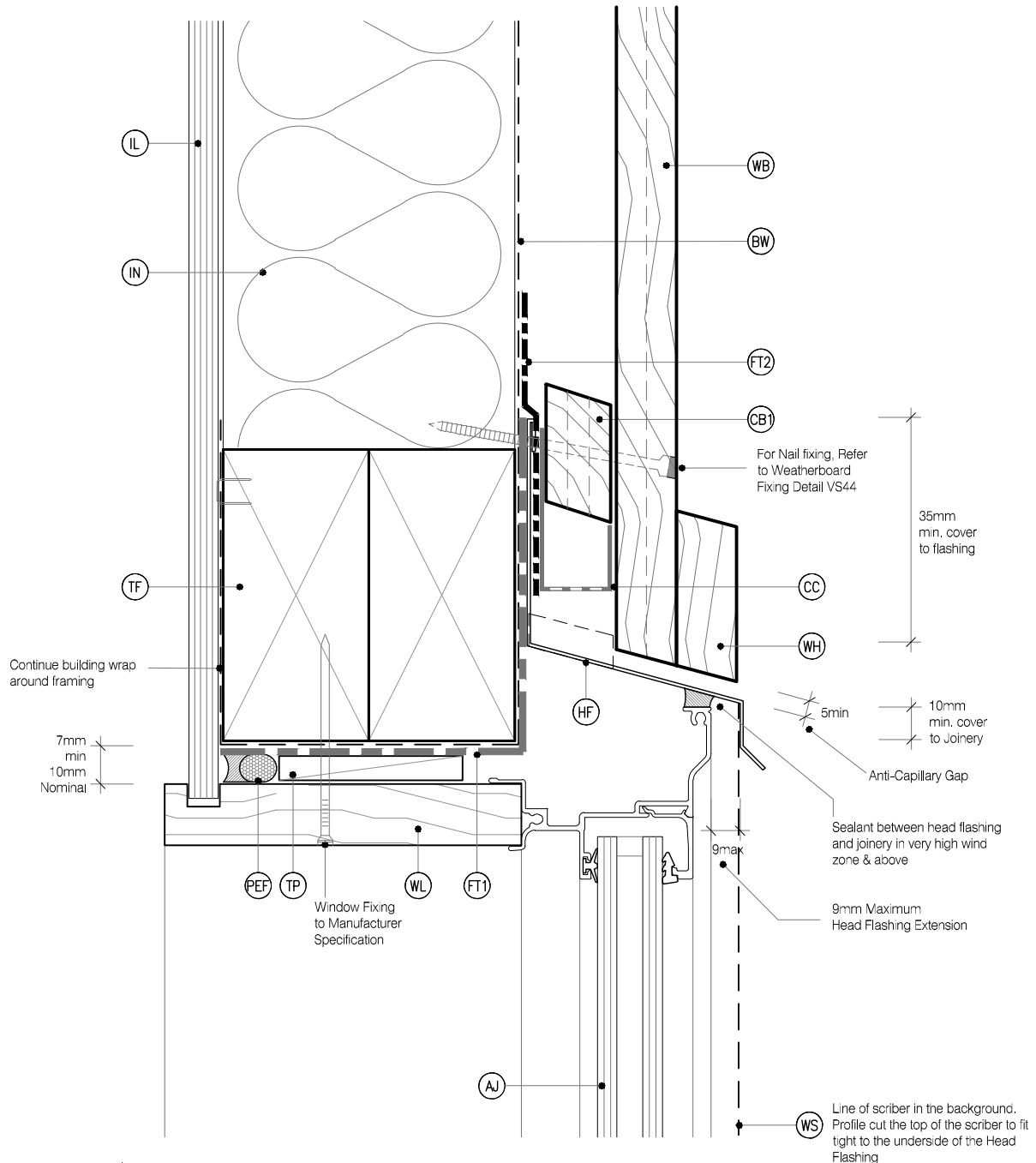
DRAWING No

REVISION

KLC CF20 VS03

LEGEND :

PEF	PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)	CB2	CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 F.J. To form a 20mm cavity	WL	WINDOW LINER: As Specified (We Recommend MicroPro H3.2 Liners & Sills)
AJ	ALUMINIUM JOINERY: Selected double glazed aluminium joinery	TF	TIMBER FRAME: H1.2 min treated timber framing	WH	WEATHERHEAD: (OPTIONAL) MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scribe
IL	INTERNAL LINING: Selected Internal Lining	FT1	FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1	WZ	WANZ SUPPORT: Provide window support as required by joinery manufacturer
BW	BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)	FT2	FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap to taped joint or top of frame	WS	WINDOW SCRIBER: KLC Generation II, MicroPro H3.2, sealant to back of scribe and 75 x 3.15mm Galvanised nail in 3mm predrilled hole.
CC	CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding	IN	INSULATION: Selected Insulation	WB	WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
CB1	CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 F.J. To form a 20mm cavity	HF	HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1		
		TP	TIMBER PACKER: MicroPro H3.2 Treated Packer		



MicroPro® Wood Treatment Technology

- KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications.
- Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3640:2003 and AS1604:12012
- MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
- Cut End Treatment: All cut ends surfaces are to be double coated and sealed before fixing. With a alkylid (oil based) primer
- MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage.
- MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
- MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools Certification from the Greenguard® Environmental Institute.
- MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
- MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS10-15 - WINDOW DETAILS.dwg

DATE : 26/10/2018



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Generation II H3.2 Exterior Cladding Systems Vertical Shiplap WB - Cavity Fix

NAME Window Head Detail - Aluminium Joinery

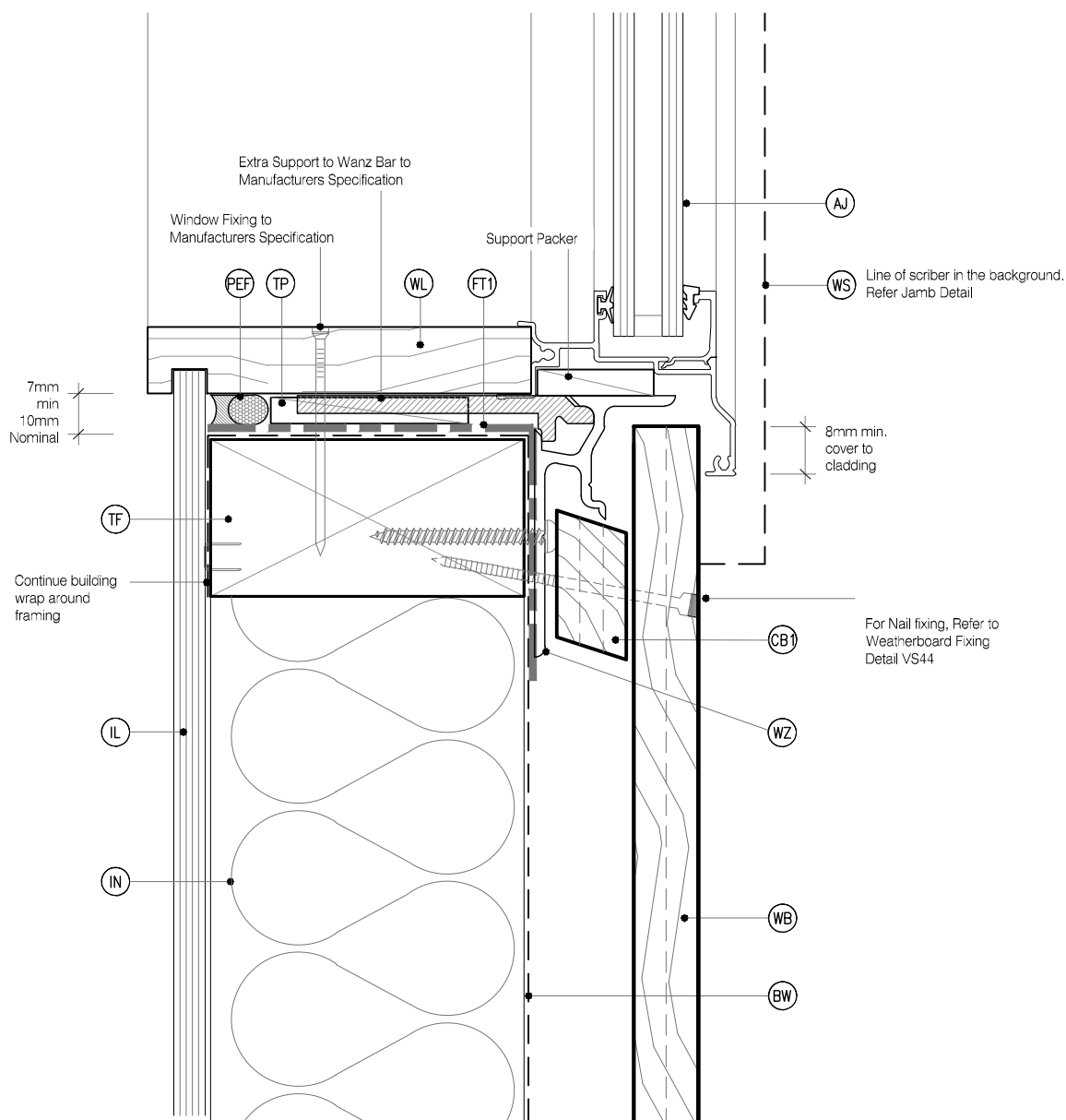


DRAWING SCALE
1:2 @ A4

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DRAWING No KLC CF20 VS10 REVISION

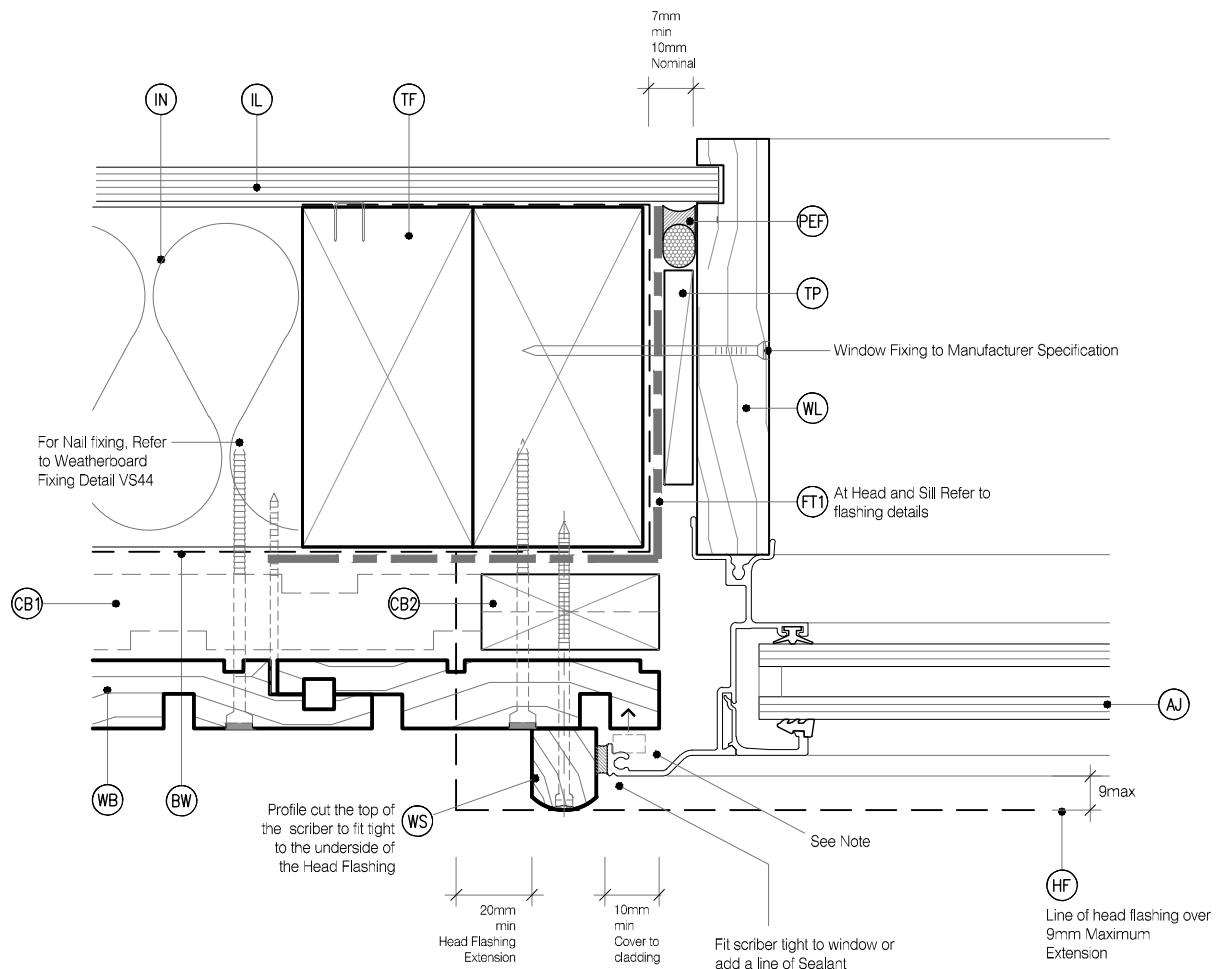
- WL** WINDOW LINER: As Specified
(We Recommend MicroPro H3.2 Liners & Sills)
- WH** WEATHERHEAD: (OPTIONAL) MicroPro H3.2,
Horizontal batten above window as necessary to
suit profile, shaped to shed water, sealant to back of
head scriber
- WZ** WANZ SUPPORT: Provide window support as
required by joinery manufacturer
- WS** WINDOW SCRIBER: KLC Generation II, MicroPro
H3.2, sealant to back of scriber and 75 x 3.15mm
Galvanised nail in 3mm predrilled hole.
- WB** WEATHER BOARD: KLC Generation II, MicroPro
H3.2 Vertical Shiplap WB. Profile to NZS 3617



7. MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools' Certification from the Greenguard® Environmental Institute.
8. MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
9. MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

LEGEND :

PEF PEF ROD BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)	CB2 CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 F.J. To form a 20mm cavity	WL WINDOW LINER: As Specified (We Recommend MicroPro H3.2 Liners & Sills)
AJ ALUMINIUM JOINERY: Selected double glazed aluminium joinery	TF TIMBER FRAME: H1.2 min treated timber framing	WH WEATHERHEAD: (OPTIONAL) MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scribe
IL INTERNAL LINING: Selected Internal Lining	FT1 FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1	WZ WANZ SUPPORT: Provide window support as required by joinery manufacturer
BW BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)	FT2 FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap to taped joint or top of frame	WS WINDOW SCRIBER: KLC Generation II, MicroPro H3.2, sealant to back of scribe and 75 x 3.15mm Galvanised nail in 3mm predrilled hole.
CC CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding	IN INSULATION: Selected Insulation	WB WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
CB1 CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 F.J. To form a 20mm cavity	HF HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1	
	TP TIMBER PACKER: MicroPro H3.2 Treated Packer	



NOTE : No Scribe Option :

The Aluminium Joinery must sit hard against the back of the joinery flange and the timber weatherboards with a E.P.S Compressible bond breaker foam seal between

MicroPro® Wood Treatment Technology

- KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications.
- Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3640:2003 and AS1604:12012
- MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
- Cut End Treatment: All cut ends surfaces are to be double coated and sealed before fixing. With a alkyl (oil based) primer
- MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage.
- MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
- MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools Certification from the Greenguard® Environmental Institute.
- MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
- MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS10-15 - WINDOW DETAILS.dwg

DATE : 26/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Window Jamb Detail - Aluminium Joinery**



DRAWING SCALE

1:2 @ A4

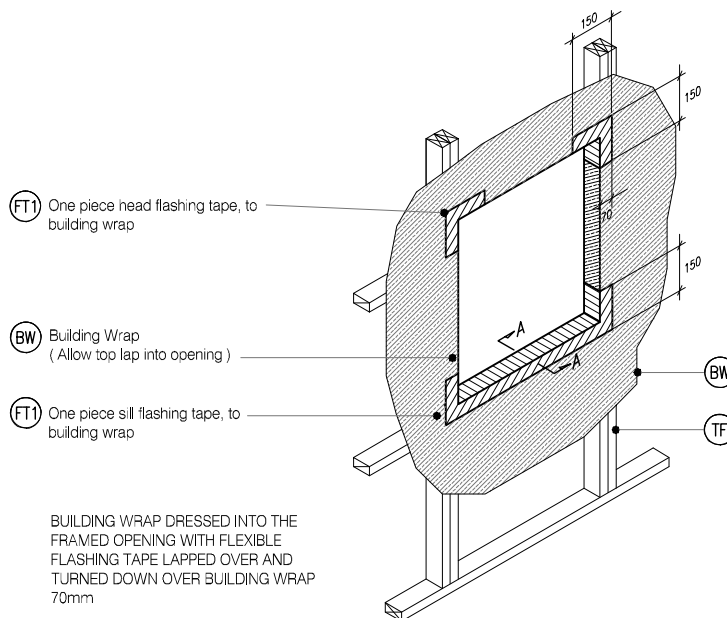
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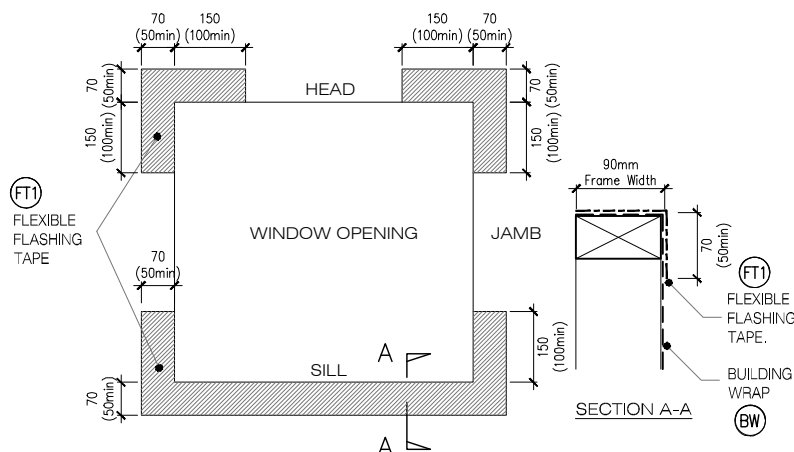
DRAWING No

KLC CF20 VS12

REVISION



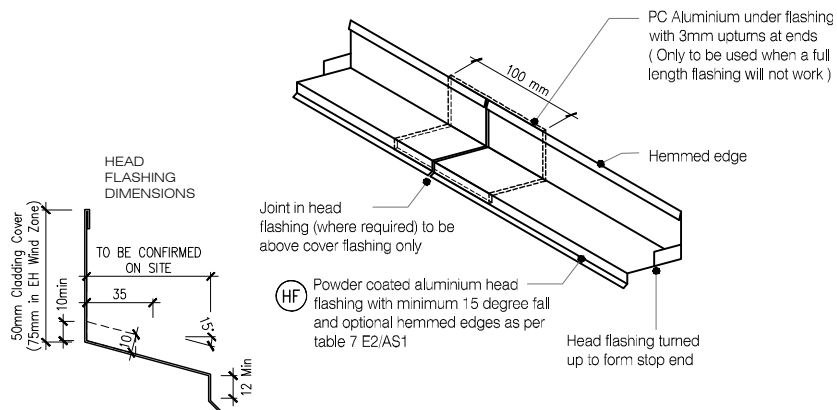
W4 TYPICAL WINDOW OPENING (FLASHING TAPE)
VS13 SCALE : N.T.S



W5 FLEXIBLE BUILDING WRAP AT OPENING
VS13 SCALE : 1 / 5 @ A1, 1 / 10 @ A3

MicroPro® Wood Treatment Technology

1. KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications.
2. Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3640:2003 and AS1604:12012.
3. MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
4. Cut End Treatment : All cut ends surfaces are to be double coated and **sealed before fixing. With a alkyl (oil based) primer**.
5. MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage.
6. MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
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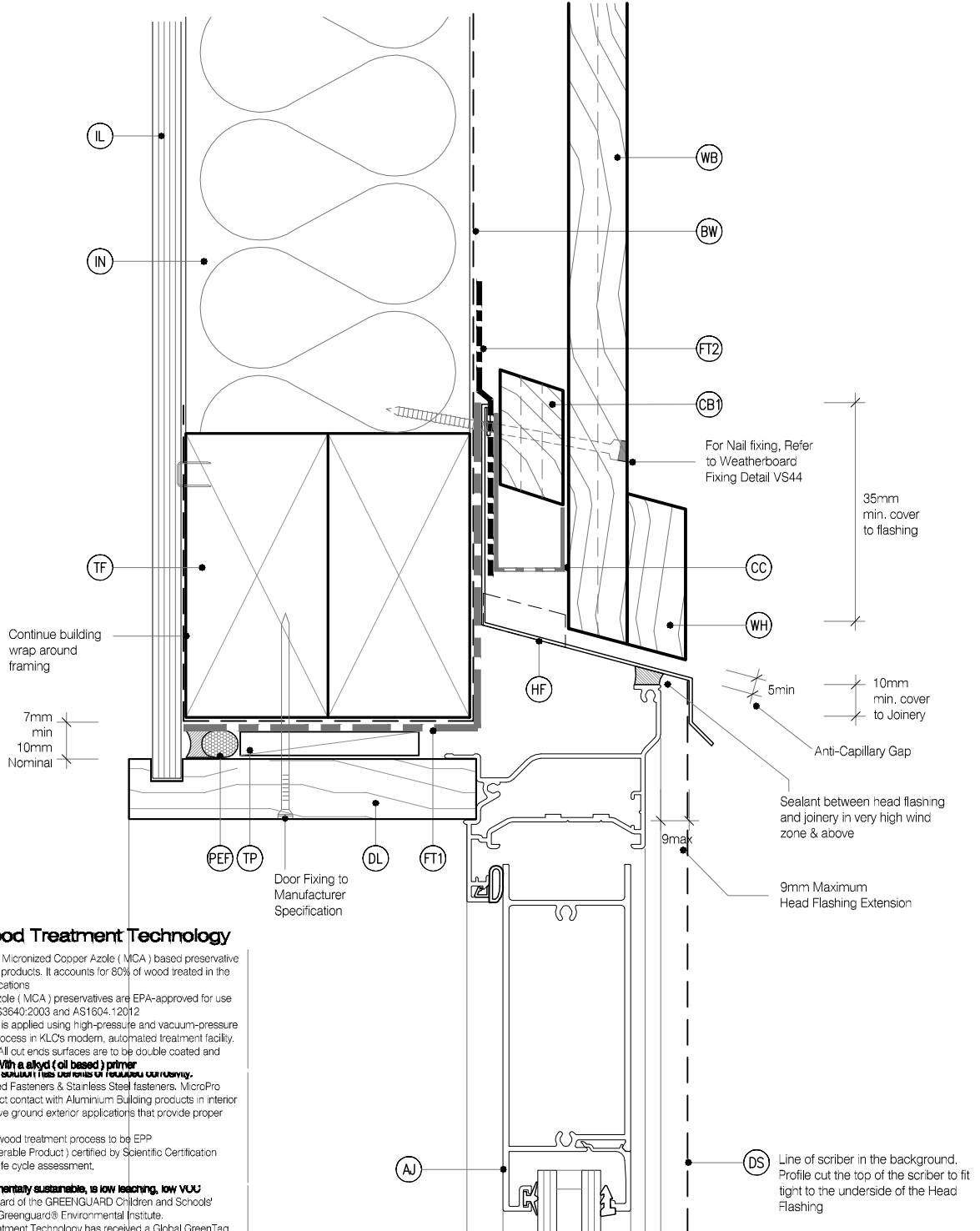


ONE PIECE PC ALUMINIUM HEAD FLASHING 15° SLOPE WITH 10mm min COVER TO JOINERY EXTEND 30mm min EITHER SIDE OF JOINERY WITH STOP ENDS

W6 TYPICAL HEAD & FLASHING JOINT
VS13 SCALE : 1 / 2 @ A1, 1 / 4 @ A3

LEGEND :

PEF	PEF ROD BACKING: Foam backing rod with sealant to cavity in door perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)	CB2	CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 F.J. To form a 20mm cavity	DL	DOOR LINER: As Specified (We Recommend MicroPro H3.2 Liners & Sills)
AJ	ALUMINIUM JOINERY: Selected double glazed aluminium joinery	TF	TIMBER FRAME: H1.2 min treated timber framing	WH	WEATHERHEAD: (OPTIONAL) MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scriber
IL	INTERNAL LINING: Selected Internal Lining	FT1	FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1	WZ	WANZ SUPPORT: Provide window support as required by joinery manufacturer
BW	BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23. In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)	FT2	FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap to taped joint or top of frame	DS	DOOR SCRIBER: KLC Generation II, MicroPro H3.2 Sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole.
CC	CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding	IN	INSULATION: Selected Insulation	WB	WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
CB1	CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 F.J. To form a 20mm cavity	HF	HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1		
		TP	TIMBER PACKER: MicroPro H3.2 Treated Packer		



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1. KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications
2. Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3640:2003 and AS1604.12012
3. MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
4. Cut End Treatment : All cut ends surfaces are to be double coated and sealed before fixing. With a alkyl (oil based) primer
5. MicroPro preservative solution has no harm on humans or the environment. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage
6. MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
7. MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools' Certification from the Greenguard® Environmental Institute.
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CAD REF : KLC CF20 VS20-25 - DOOR DETAILS.dwg
DATE : 26/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Door Head Detail - Aluminium Joinery**



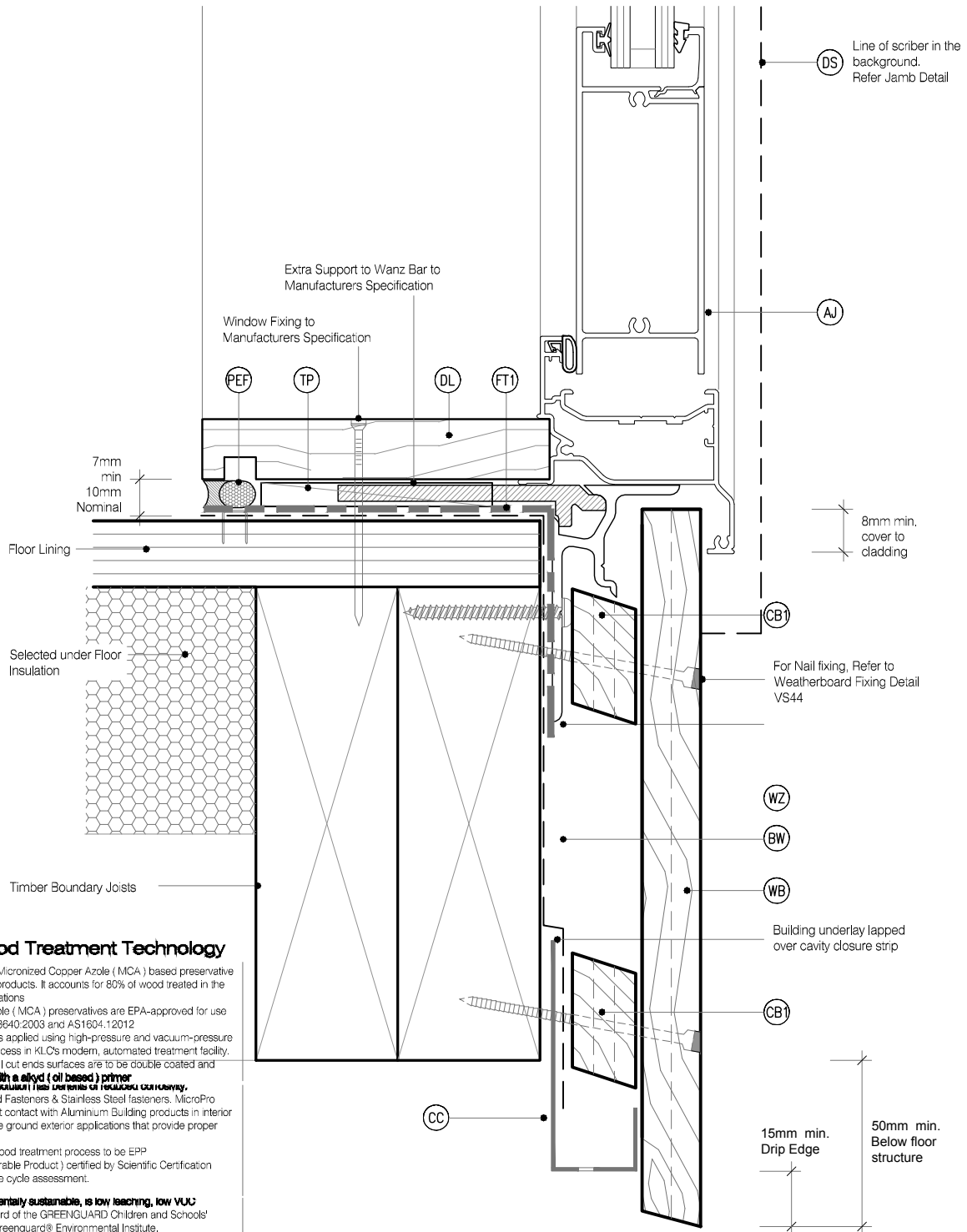
DRAWING SCALE
1:2 @ A4

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DRAWING No **KLC CF20 VS20** REVISION

LEGEND :

PEF	PEF ROD BACKING: Foam backing rod with sealant to cavity in door perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)	CB2	CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 F.J. To form a 20mm cavity	DL	DOOR LINER: As Specified (We Recommend MicroPro H3.2 Liners & Sills)
AJ	ALUMINIUM JOINERY: Selected double glazed aluminium joinery	TF	TIMBER FRAME: H1.2 min treated timber framing	WH	WEATHERHEAD: (OPTIONAL) MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scriber
IL	INTERNAL LINING: Selected Internal Lining	FT1	FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1	WZ	WANZ SUPPORT: Provide window support as required by joinery manufacturer
BW	BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23. In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)	FT2	FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap to taped joint or top of frame	DS	DOOR SCRIBER: KLC Generation II, MicroPro H3.2 Sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole.
CC	CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding	IN	INSULATION: Selected Insulation	WB	WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
CB1	CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 F.J. To form a 20mm cavity	HF	HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1		
		TP	TIMBER PACKER: MicroPro H3.2 Treated Packer		



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- KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications.
- Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3640:2003 and AS1804:12012.
- MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
- Cut End Treatment: All cut ends surfaces are to be double coated and sealed before fixing. With a silyl (oil based) primer.
- MicroPro preservative solution (10% solution) is to be applied to all surfaces. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage.
- MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
- MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools' Certification from the Greenguard® Environmental Institute.
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TYPE Generation II H3.2 Exterior Cladding Systems
Vertical Shiplap WB - Cavity Fix

NAME Door Sill Detail - Aluminium Joinery



AQ-020216-CMNZ

DRAWING SCALE

1:2 @ A4

ISSUE DATE

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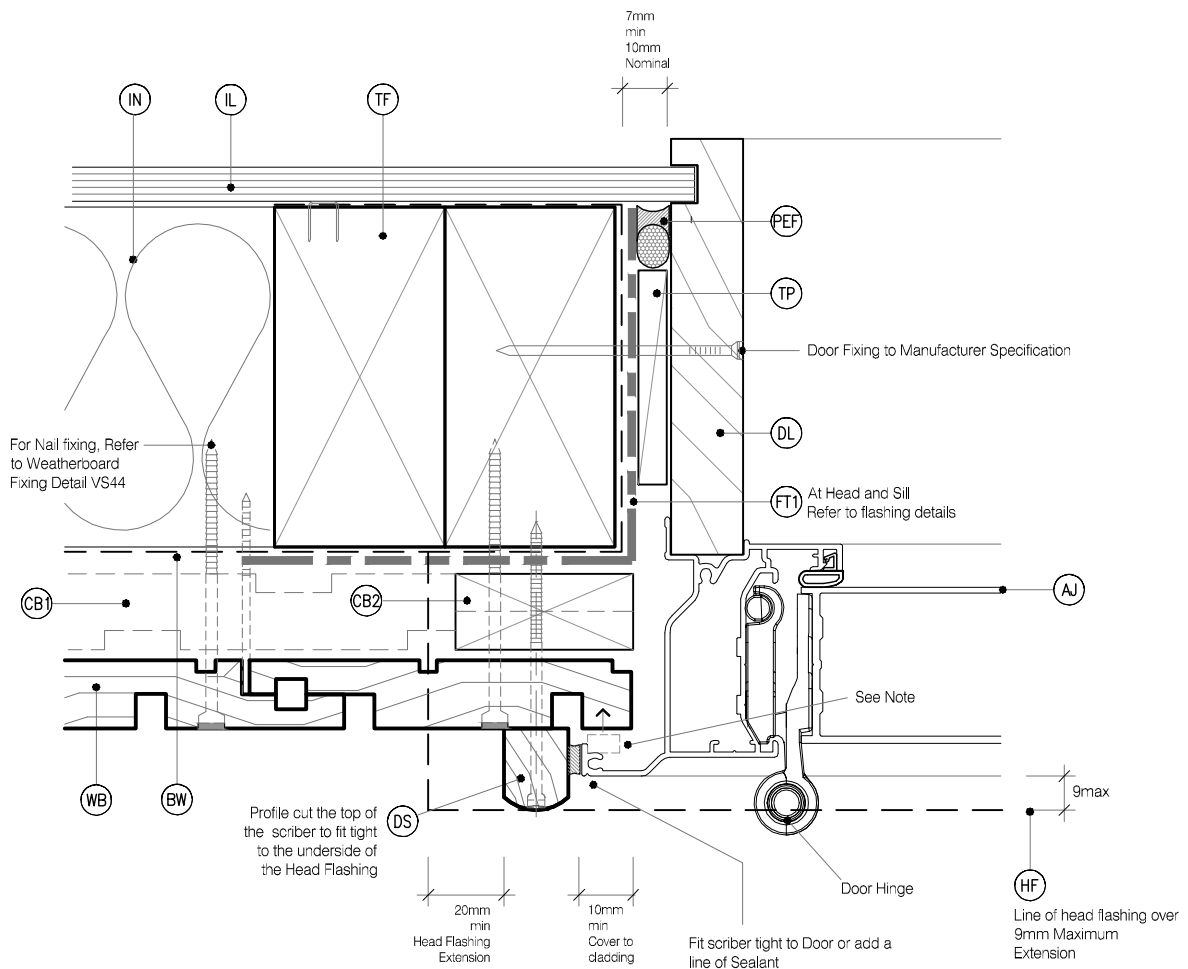
DRAWING No

KLC CF20 VS21

REVISION

LEGEND :

PEF PEF ROD BACKING: Foam backing rod with sealant to cavity in door perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)	CB2 CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 F.J. To form a 20mm cavity	DL DOOR LINER: As Specified (We Recommend MicroPro H3.2 Liners & Sills)
AJ ALUMINIUM JOINERY: Selected double glazed aluminium joinery	TF TIMBER FRAME: H1.2 min treated timber framing	WH WEATHERHEAD: (OPTIONAL) MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scriber
IL INTERNAL LINING: Selected Internal Lining	FT1 FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1	WZ WANZ SUPPORT: Provide window support as required by joinery manufacturer
BW BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23. In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)	FT2 FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap to taped joint or top of frame	DS DOOR SCRIBER: KLC Generation II, MicroPro H3.2 Sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole.
CC CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding	IN INSULATION: Selected Insulation	WB WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
CB1 CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 F.J. To form a 20mm cavity	HF HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1	
	TP TIMBER PACKER: MicroPro H3.2 Treated Packer	



NOTE : No Scribe Option :
The Aluminium Joinery must sit hard against the back of the joinery flange and the timber weatherboards with a E.P.S Compressible bond breaker foam seal between

MicroPro® Wood Treatment Technology

- KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications.
- Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3640:2003 and AS1604:12012
- MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
- Cut End Treatment : All cut ends surfaces are to be double coated and sealed before fixing. With a alkyl (oil based) primer
- MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage.
- MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
- MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools Certification from the Greenguard® Environmental Institute.
- MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
- MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS20-25 - DOOR DETAILS.dwg
DATE : 26/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

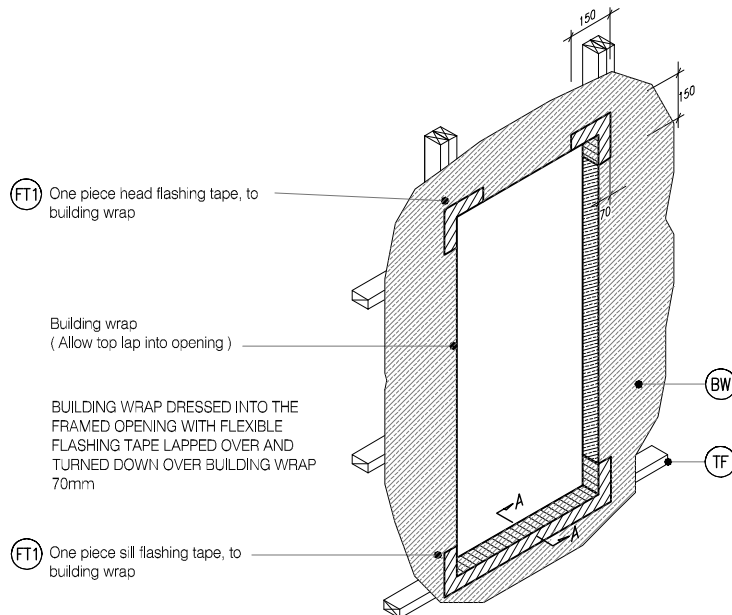
NAME **Door Jamb Detail - Aluminium Joinery**



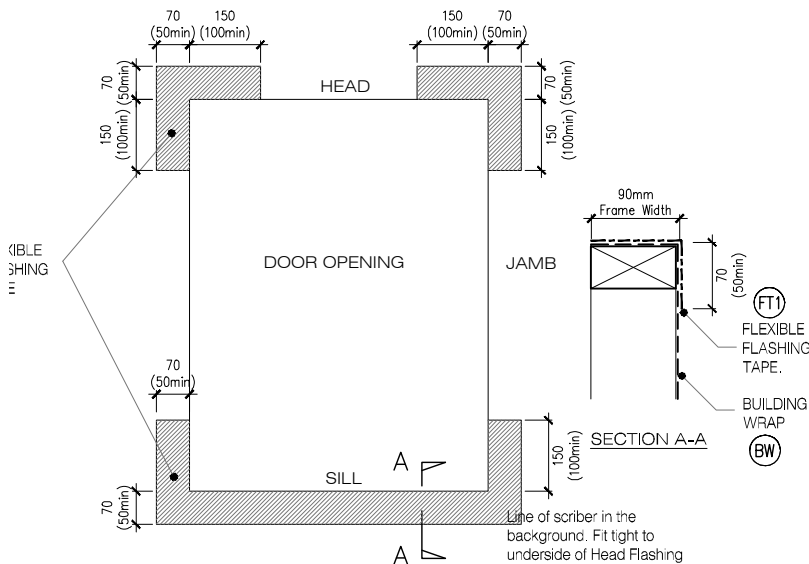
DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

DRAWING No **KLC CF20 VS22** REVISION



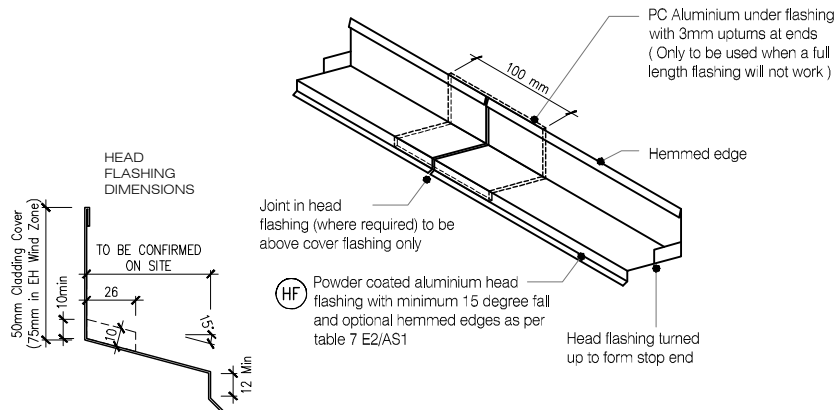
D4 TYPICAL DOOR OPENING (FLASHING TAPE)
VS23 SCALE : N.T.S



D5 FLEXIBLE BUILDING WRAP AT OPENING
VS23 SCALE : 1 / 5 @ A1, 1 / 10 @ A3

MicroPro® Wood Treatment Technology

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- MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
- Cut End Treatment: All cut ends surfaces are to be double coated and **sealed before fixing. With a alkylid (oil based) primer**.
- MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage.
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ONE PIECE PC ALUMINIUM HEAD FLASHING 15° SLOPE WITH 10mm min COVER TO JOINERY EXTEND 30mm min EITHER SIDE OF JOINERY WITH STOP ENDS

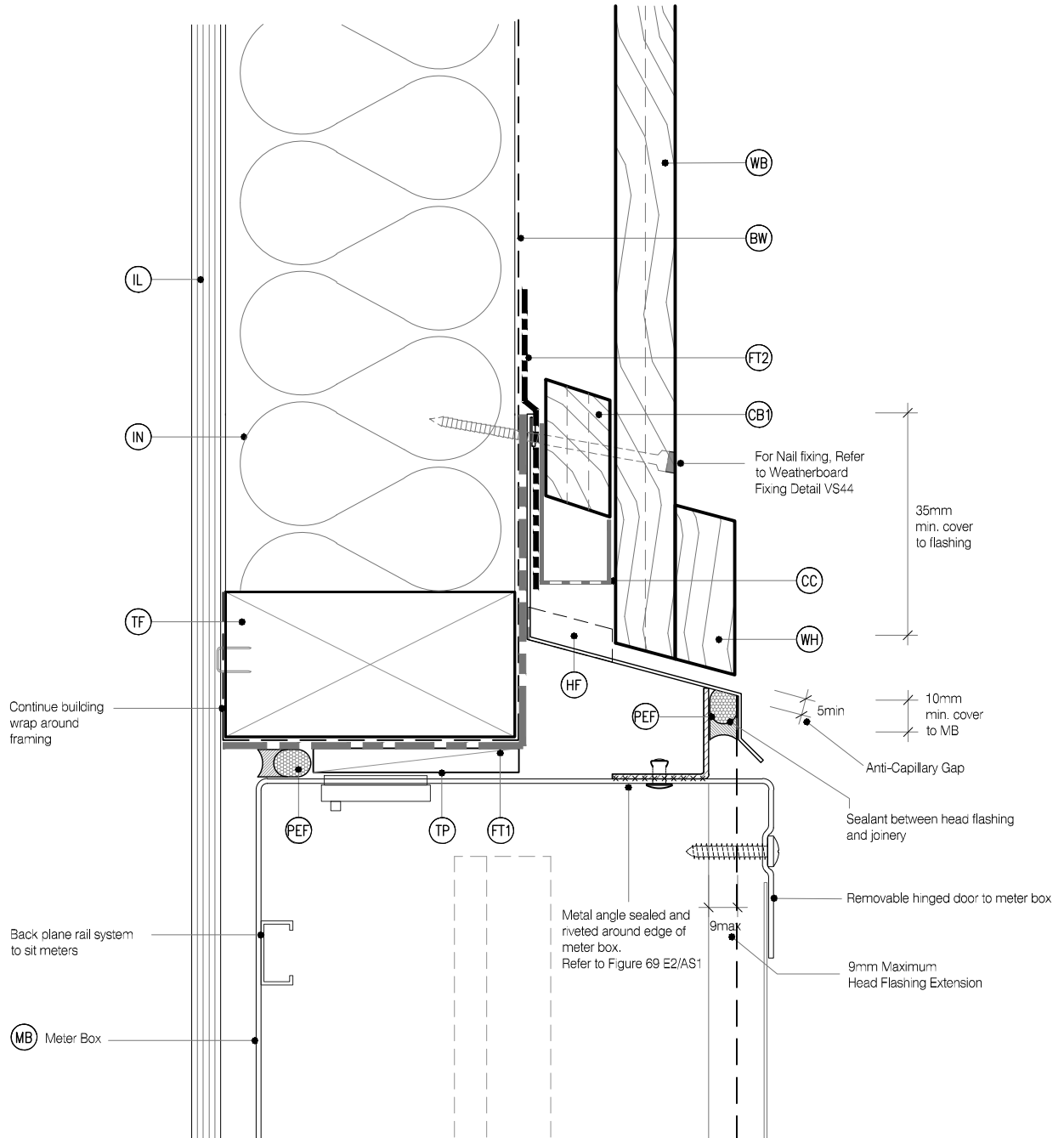
D6 TYPICAL HEAD & FLASHING JOINT
VS23 SCALE : 1 / 2 @ A1, 1 / 4 @ A3

LEGEND :

- (PEF) PEF ROD BACKING: Foam backing rod with sealant to cavity in meter box perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- (MB) METER BOX: Electrical meter box, with removable hinged door and polycarbonate viewing window
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IN) INSULATION: Selected Insulation

- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope, MicroPro H3.2 F.J. To form a 20mm cavity
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 F.J. To form a 20mm cavity
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (FT1) FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- (FT2) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap to taped joint or top of frame

- (WH) WEATHERHEAD: MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of sill scriber
- (MS) METER BOX SCRIBER: KLC Generation II, MicroPro H3.2, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 2.5mm predrilled hole.
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
- (HF) HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1
- (TP) TIMBER PACKER: MicroPro H3.2 Treated Packer



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- MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage.
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- MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS30-35 - METER BOX.dwg

DATE : 26/10/2018



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TYPE Generation II H3.2 Exterior Cladding Systems
Vertical Shiplap WB - Cavity Fix

NAME Meter Box - Head Detail



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

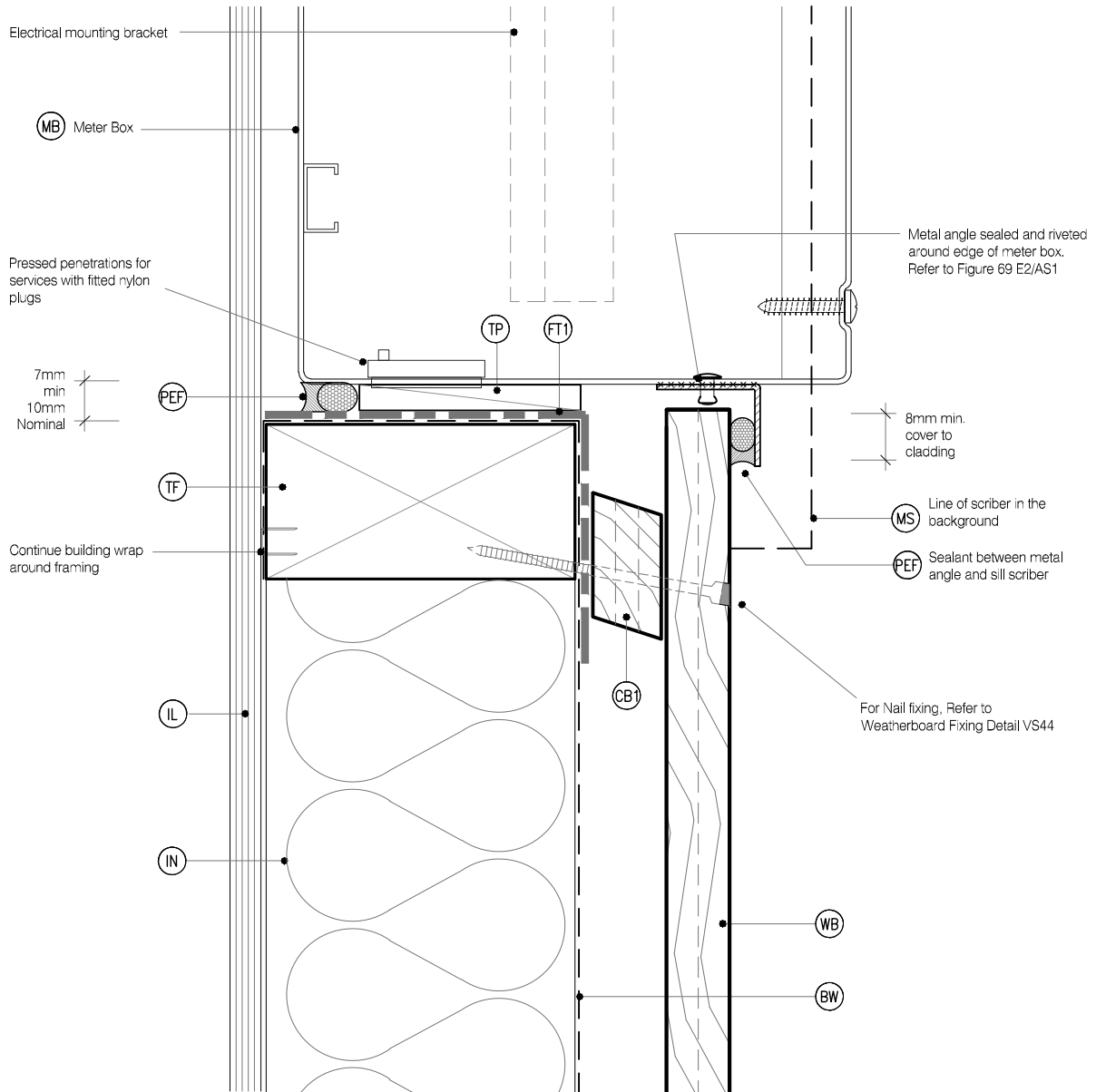
DRAWING No KLC CF20 VS30
REVISION

LEGEND :

- (PEF) PEF ROD BACKING: Foam backing rod with sealant to cavity in meter box perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- (MB) METER BOX: Electrical meter box, with removable hinged door and polycarbonate viewing window
- (IL) INTERNAL LINING: Selected Internal Lining
- BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IN) INSULATION: Selected Insulation

- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope, MicroPro H3.2 FJ. To form a 20mm cavity
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (FT1) FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- (FT2) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap to taped joint or top of frame

- (WH) WEATHERHEAD: MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of sill scriber
- (MS) METER BOX SCRIBER: KLC Generation II, MicroPro H3.2, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 2.5mm predrilled hole.
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
- (HF) HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1
- (TP) TIMBER PACKER: MicroPro H3.2 Treated Packer



MicroPro® Wood Treatment Technology

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CAD REF : KLC CF20 VS30-35 - METER BOX.dwg
DATE : 26/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Meter Box - Sill Detail**



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

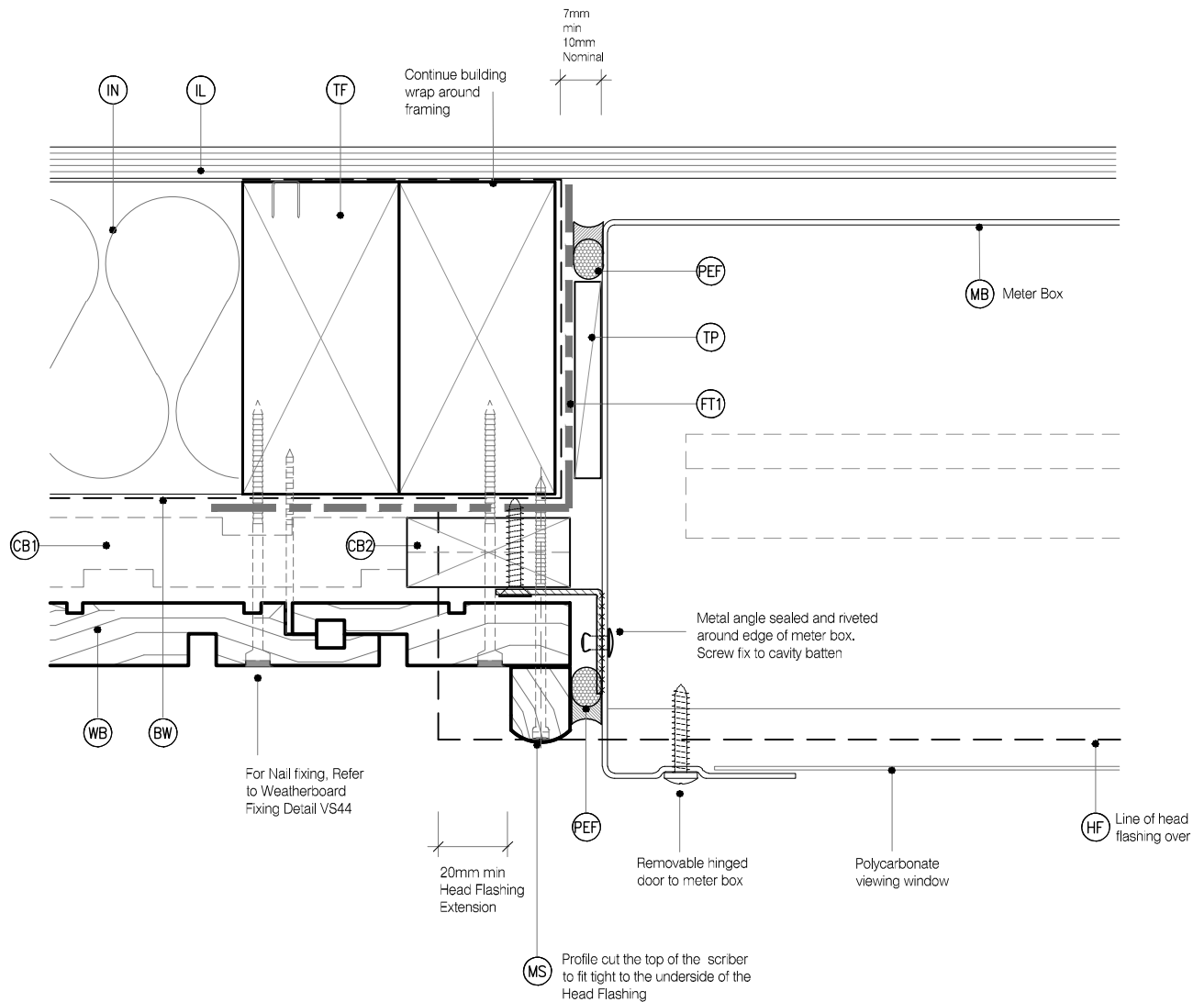
DRAWING No **KLC CF20 VS31** REVISION

LEGEND :

- (PEF) PEF ROD BACKING: Foam backing rod with sealant to cavity in meter box perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- (MB) METER BOX: Electrical meter box, with removable hinged door and polycarbonate viewing window
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding
- (IN) INSULATION: Selected Insulation

- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castelled with a 18 degree bevelled slope, MicroPro H3.2 FJ. To form a 20mm cavity
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (FT1) FLASHING TAPE: Flashing tape over wrap 70mm (50 min) turn-down required in corners only. Refer to Fig. 72 of NZBC E2/AS1
- (FT2) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped over aluminium head flashing or 2nd layer of Building Wrap to taped joint or top of frame

- (WH) WEATHERHEAD: MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of sill scriber
- (MS) METER BOX SCRIBER: KLC Generation II, MicroPro H3.2, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 2.5mm predrilled hole.
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
- (HF) HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1
- (TP) TIMBER PACKER: MicroPro H3.2 Treated Packer



MicroPro® Wood Treatment Technology

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- MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage
- MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
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- MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
- MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS30-35 - METER BOX.dwg
DATE : 26/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

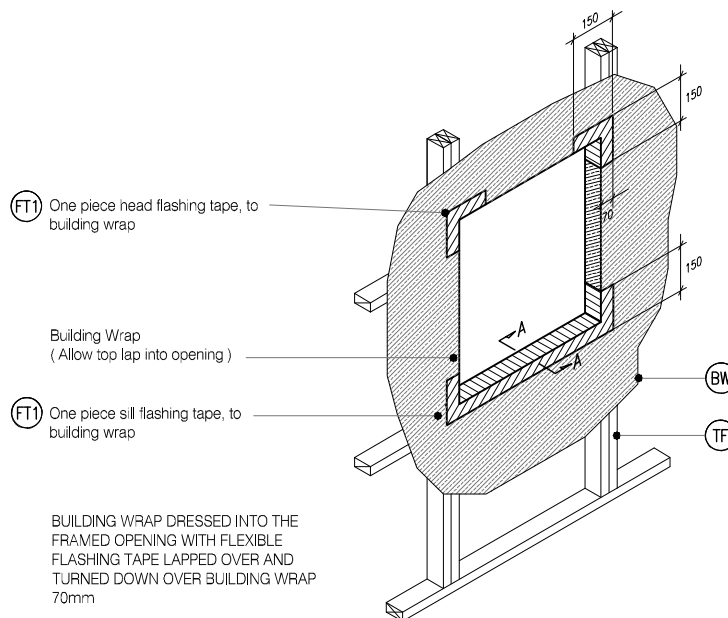
NAME **Meter Box - Jamb Detail**



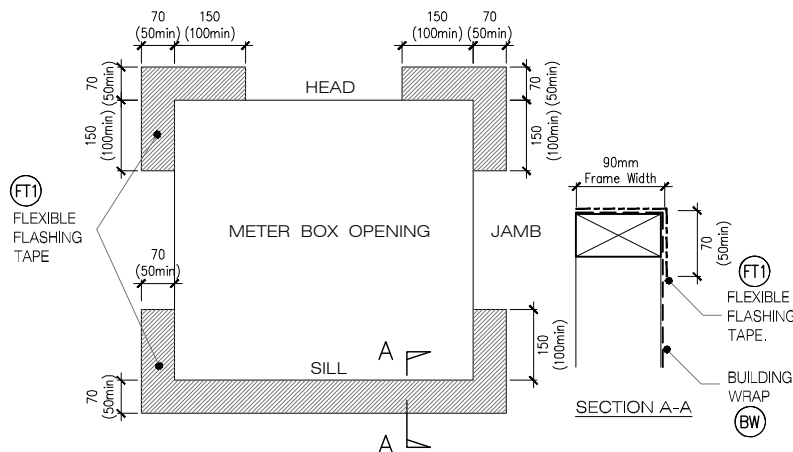
DRAWING SCALE
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ISSUE DATE
26/10/2018

DRAWING No **KLC CF20 VS32** REVISION



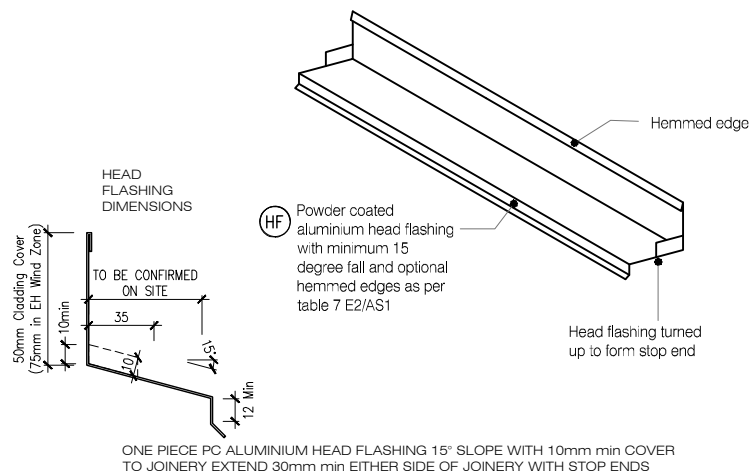
M4 TYPICAL METER BOX OPENING (FLASHING TAPE)
VS33 SCALE : N.T.S



M5 FLEXIBLE BUILDING WRAP AT OPENING
VS33 SCALE : 1 / 5 @ A1, 1 / 10 @ A3

MicroPro® Wood Treatment Technology

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4. Cut End Treatment : All cut ends surfaces are to be double coated and **sealed before fixing. With a alkylid (oil based) primer**
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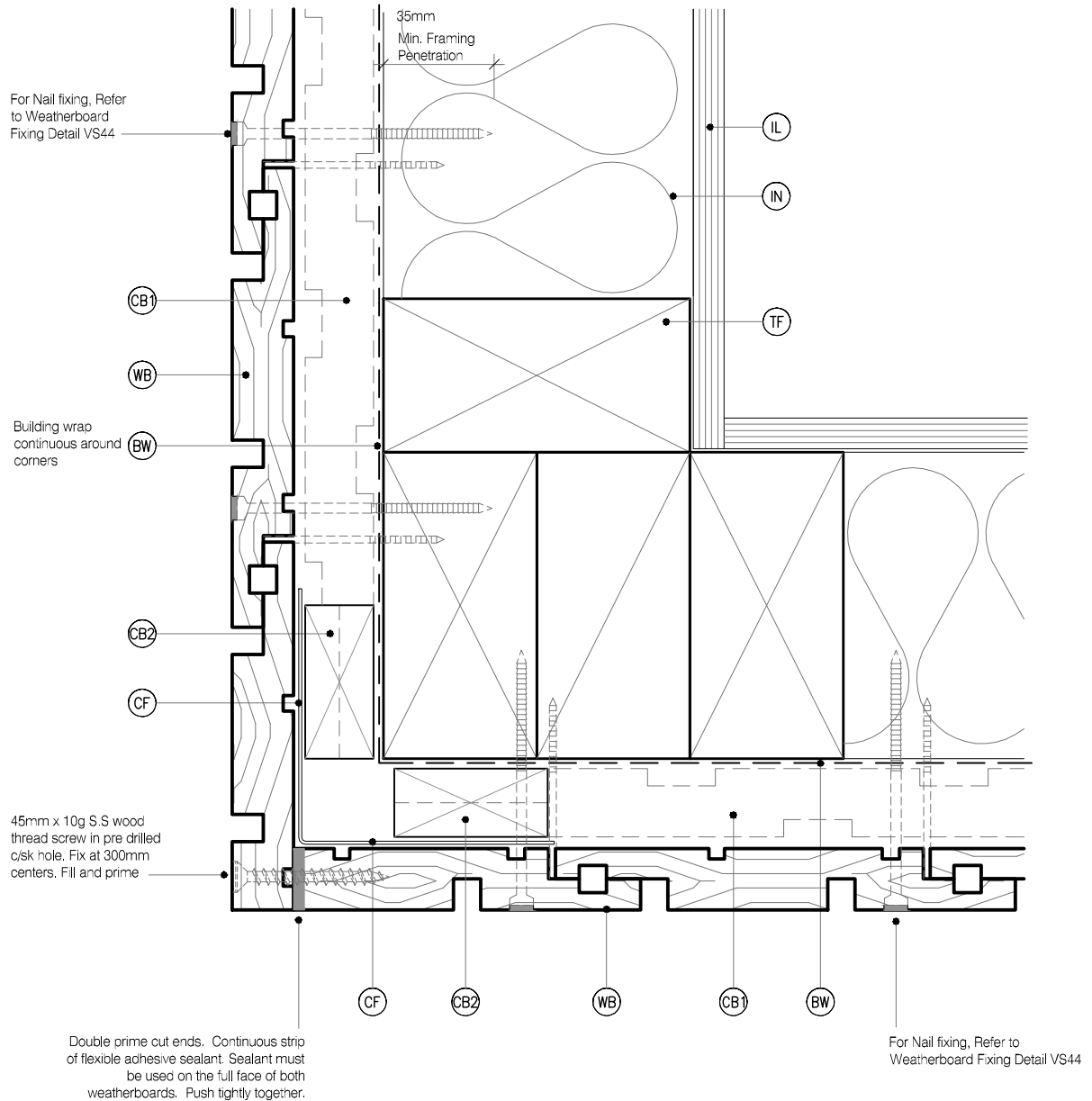
M6 TYPICAL HEAD & FLASHING JOINT
VS33 SCALE : 1 / 2 @ A1, 1 / 4 @ A3

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB, Profile to NZS 3617
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (IN) INSULATION: Selected Insulation

- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castelled with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity

- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity



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- Cut End Treatment: All cut ends surfaces are to be double coated and sealed before fixing. With a alkylid (oil based) primer
- MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage
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CAD REF : KLC CF20 VS40-46 - GENERAL DETAILS 01.dwg

DATE : 25/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **External Corner Soaker**



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

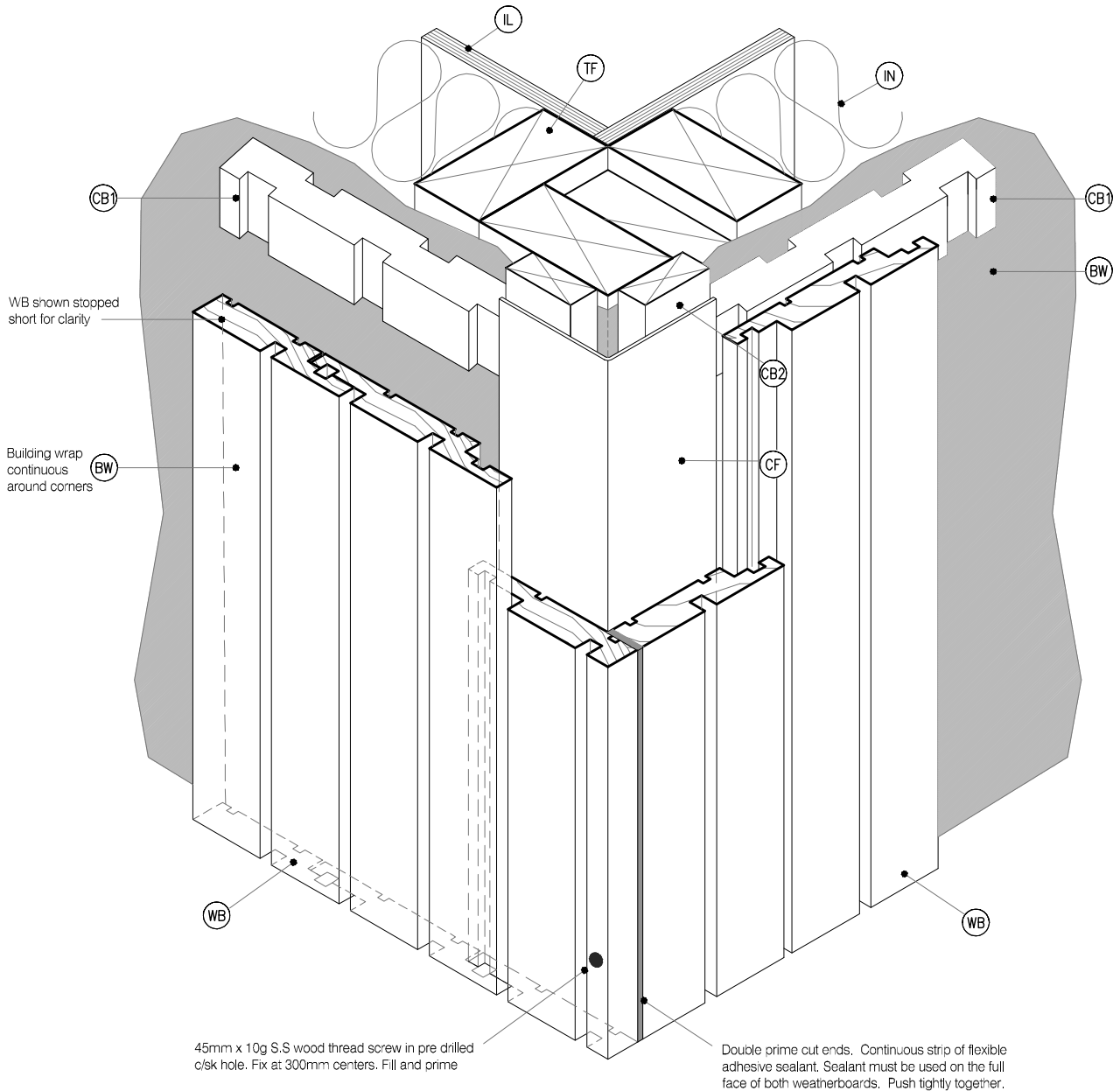
DRAWING No **KLC CF20 VS40** REVISION

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB, Profile to NZS 3617
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (IN) INSULATION: Selected Insulation

- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11
Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity

- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO. Hem or Hook Required
EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity



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Generation II H3.2 Exterior Cladding Systems Vertical Shiplap WB - Cavity Fix

NAME 3D - External Corner Soaker



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

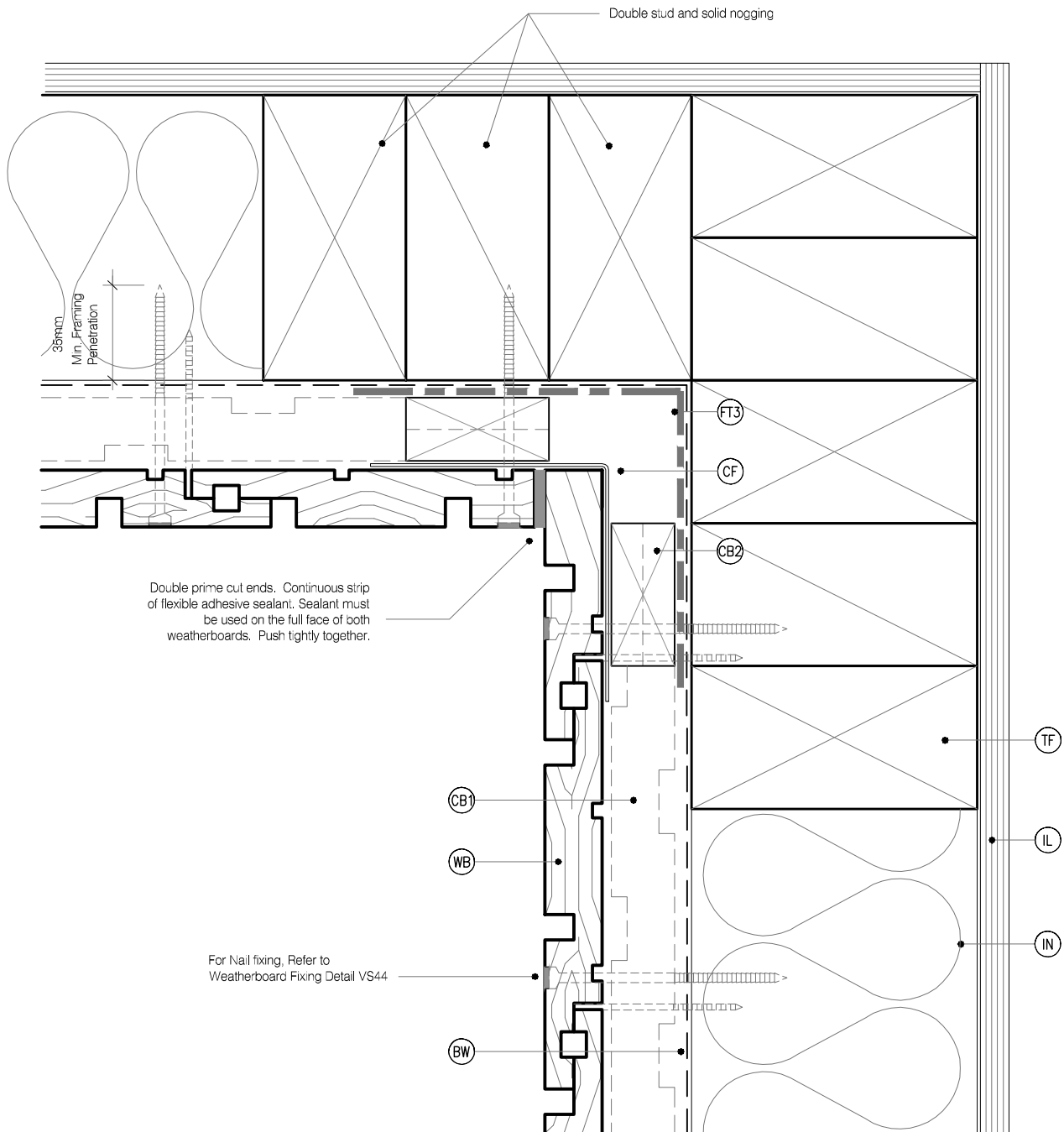
DRAWING No KLC CF20 VS41
REVISION

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB, Profile to NZS 3617
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (IN) INSULATION: Selected Insulation

- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11. Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity

- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity



DETAIL NOTES :

1. Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
2. Aluminium extrusion must not be continuous over solid floor joists.

MicroPro® Wood Treatment Technology

1. KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications.
2. Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3640:2003 and AS1604:12012
3. MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
4. Cut End Treatment: All cut ends surfaces are to be double coated and sealed before fixing. With a alkylid (oil based) primer
5. MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage
6. MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
7. MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools' Certification from the Greenguard® Environmental Institute.
8. MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
9. MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS40-46 - GENERAL DETAILS 01.dwg

DATE : 25/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Internal Corner**



AQ-020216-CMNZ

DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

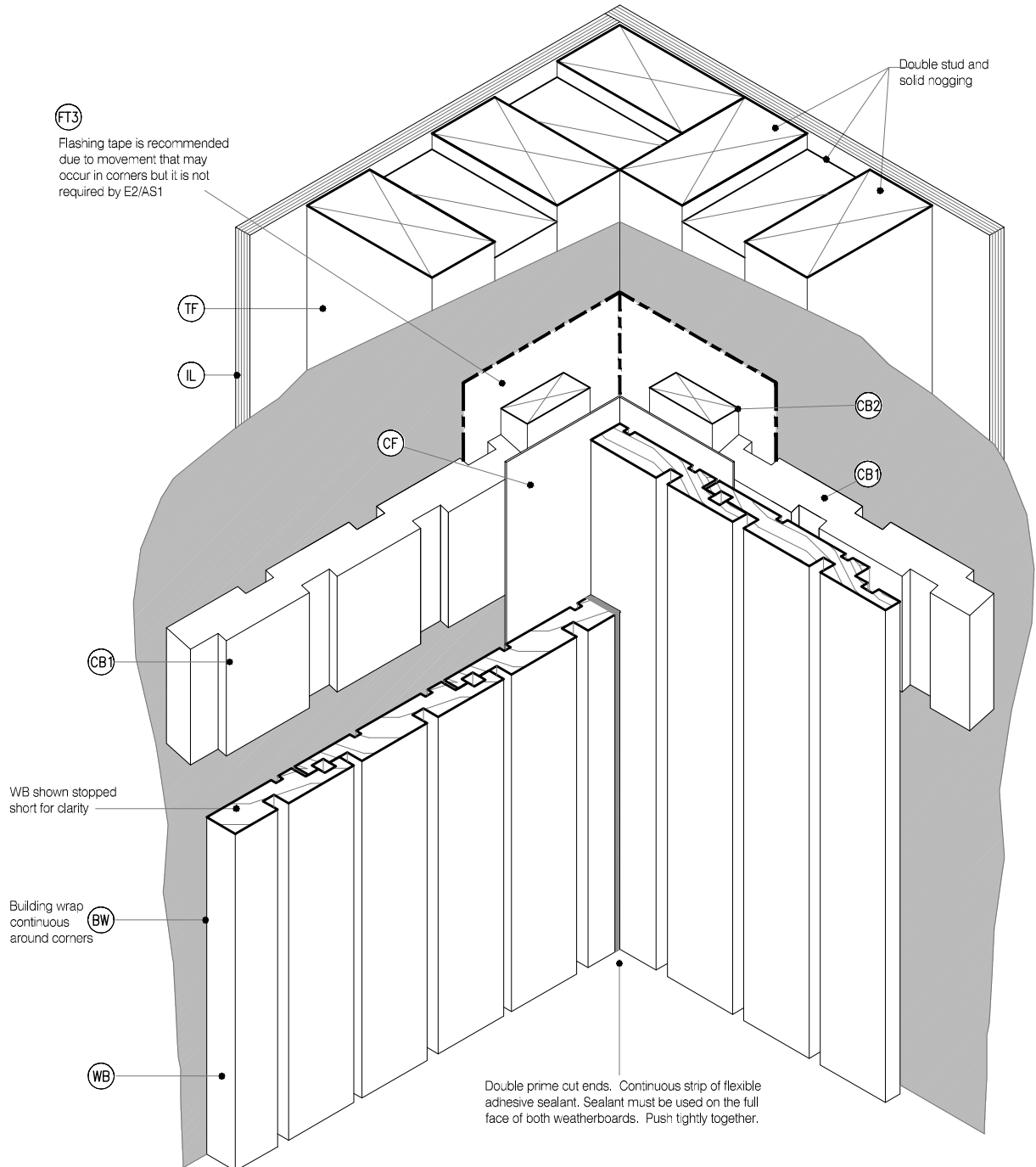
DRAWING No **KLC CF20 VS42** REVISION

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB, Profile to NZS 3617
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (IN) INSULATION: Selected Insulation

- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11
Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity

- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3.11
50x50 Hem or Hook to Flashing Edges
75x75 NO. Hem or Hook Required
EXTRA HIGH WIND ZONE
100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity



MicroPro® Wood Treatment Technology

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- Cut End Treatment: All cut ends surfaces are to be double coated and sealed before fixing. With a alkylid (oil based) primer
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- MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).



Generation II H3.2 Exterior Cladding Systems Vertical Shiplap WB - Cavity Fix

NAME 3D - Internal Corner



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

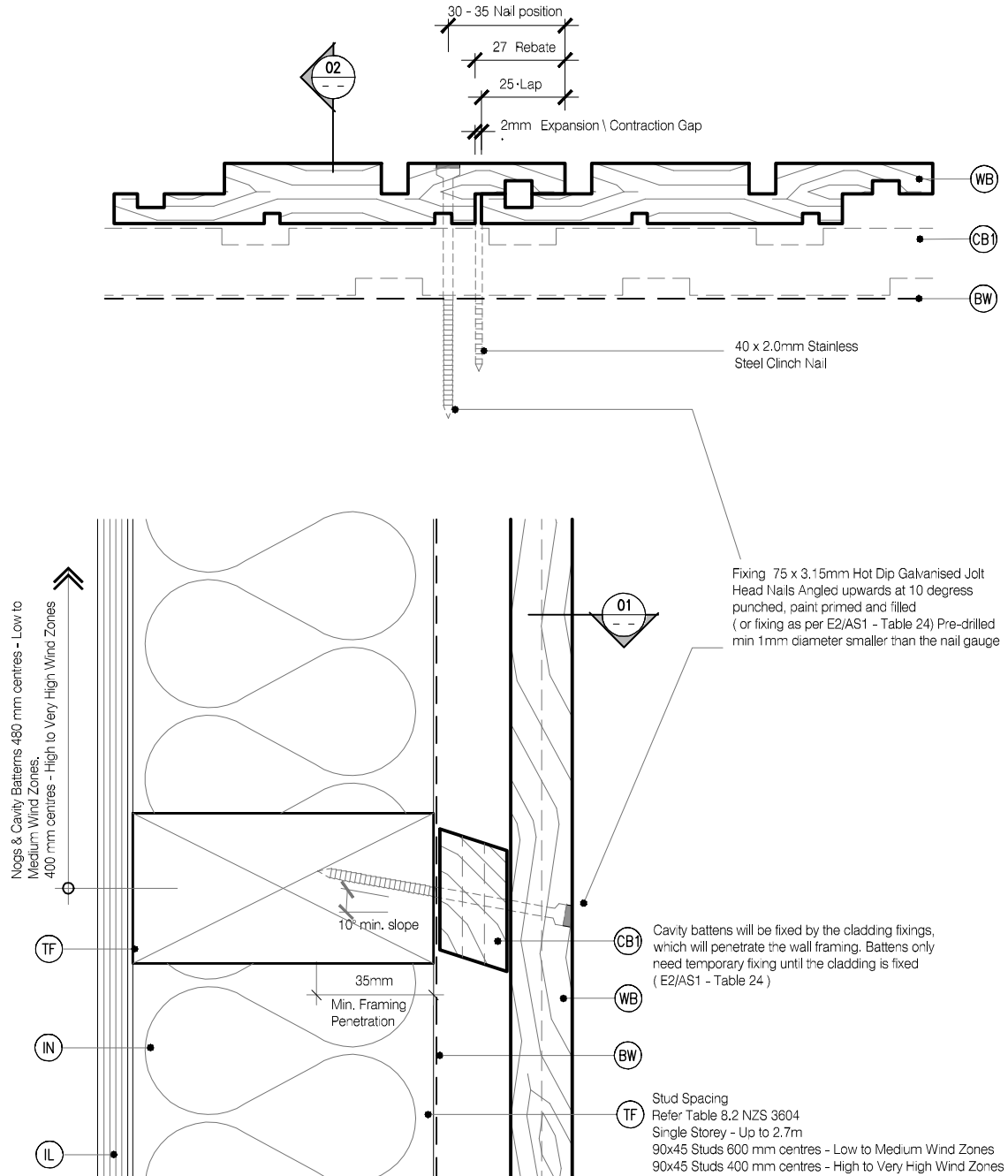
DRAWING No KLC CF20 VS43
REVISION

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB, Profile to NZS 3617
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (IN) INSULATION: Selected Insulation

- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11. Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity

- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3. 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Weatherboard Fixing**



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

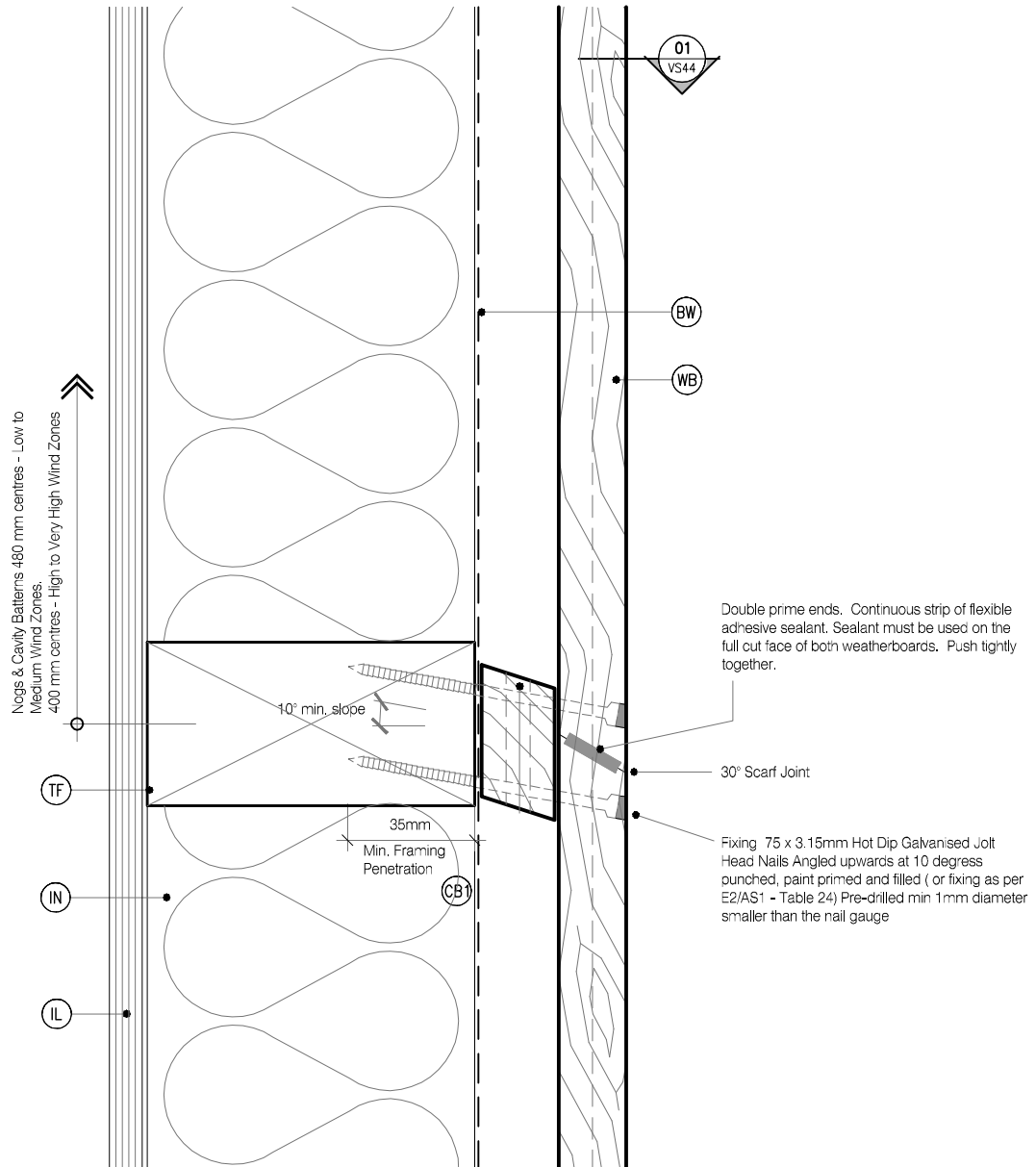
DRAWING No **KLC CF20 VS44** REVISION

LEGEND :

- WB** WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB, Profile to NZS 3617
- IL** INTERNAL LINING: Selected Internal Lining
- BW** BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- IN** INSULATION: Selected Insulation

- FT3** FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.1.1 Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
- TF** TIMBER FRAME: H1.2 min treated timber framing
- CB1** CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity

- CF** CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- CB2** CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity



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DATE : 25/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Scarf Joint - Horizontal**



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

DRAWING No **KLC CF20 VS45** REVISION

LEGEND :

PEF

PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)

IL

INTERNAL LINING: Selected Internal Lining

BW

BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23. In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)

IN

INSULATION: Selected Insulation

TF

TIMBER FRAME: H1.2 min treated timber framing

WB

WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617

FT3

FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1

FT4

FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68

BC1

BOXED CORNER COVER : 98x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners

BC2

BOXED CORNER COVER: 85x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners

CB1

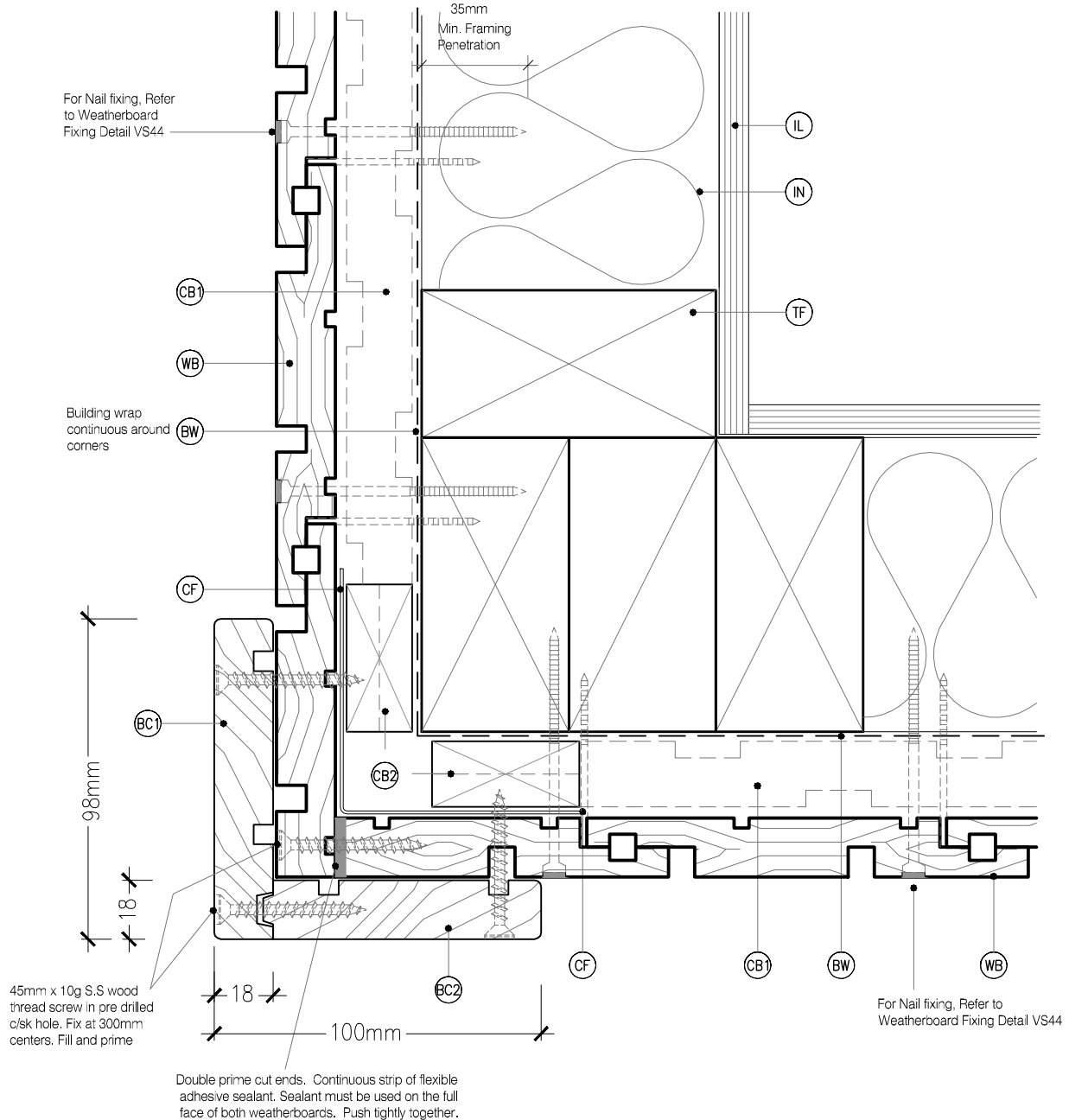
CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity

CB2

CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity

CF

CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO. Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1



MicroPro® Wood Treatment Technology

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- MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS50-56 - GENERAL DETAILS 02.dwg

DATE : 26/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **External Boxed Corner**



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

DRAWING No **KLC CF20 VS50** REVISION

LEGEND :

(PEF)

PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)

(IL)

INTERNAL LINING: Selected Internal Lining

(BW)

BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23. In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)

(IN)

INSULATION: Selected Insulation

(TF)

TIMBER FRAME: H1.2 min treated timber framing

(WB)

WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617

(FT3)

FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1

(FT4)

FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68

(BC1)

BOXED CORNER COVER : 98x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners

(BC2)

BOXED CORNER COVER: 85x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners

(CB1)

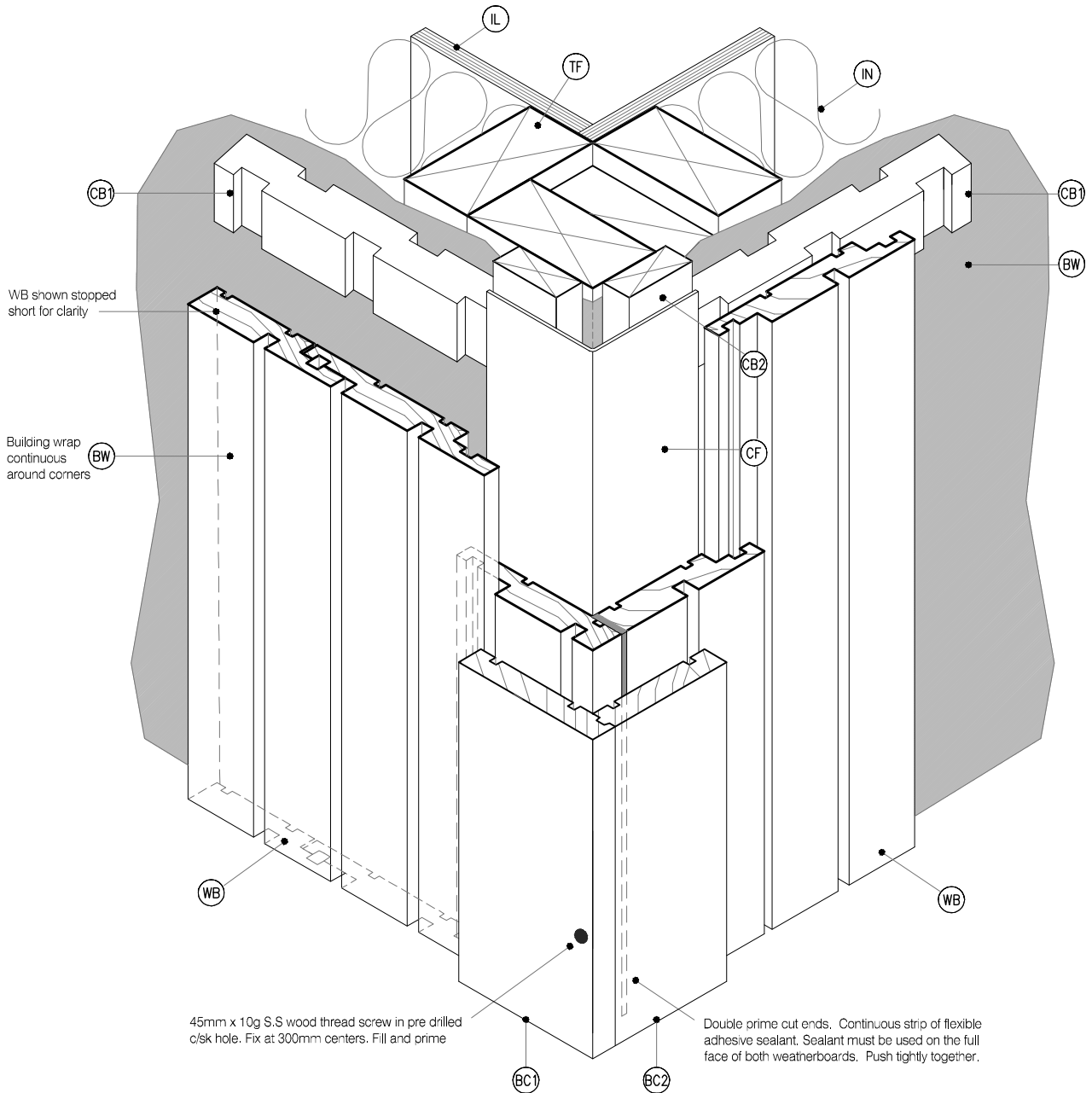
CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity

(CB2)

CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity

(CF)

CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO. Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1



NOTE :

Box corner trim must not be continuous over solid floor joists.

MicoPro® Wood Treatment Technology

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TYPE Generation II H3.2 Exterior Cladding Systems
Vertical Shiplap WB - Cavity Fix

NAME 3D - External Boxed Corner



DRAWING SCALE

1:2 @ A4

ISSUE DATE

26/10/2018

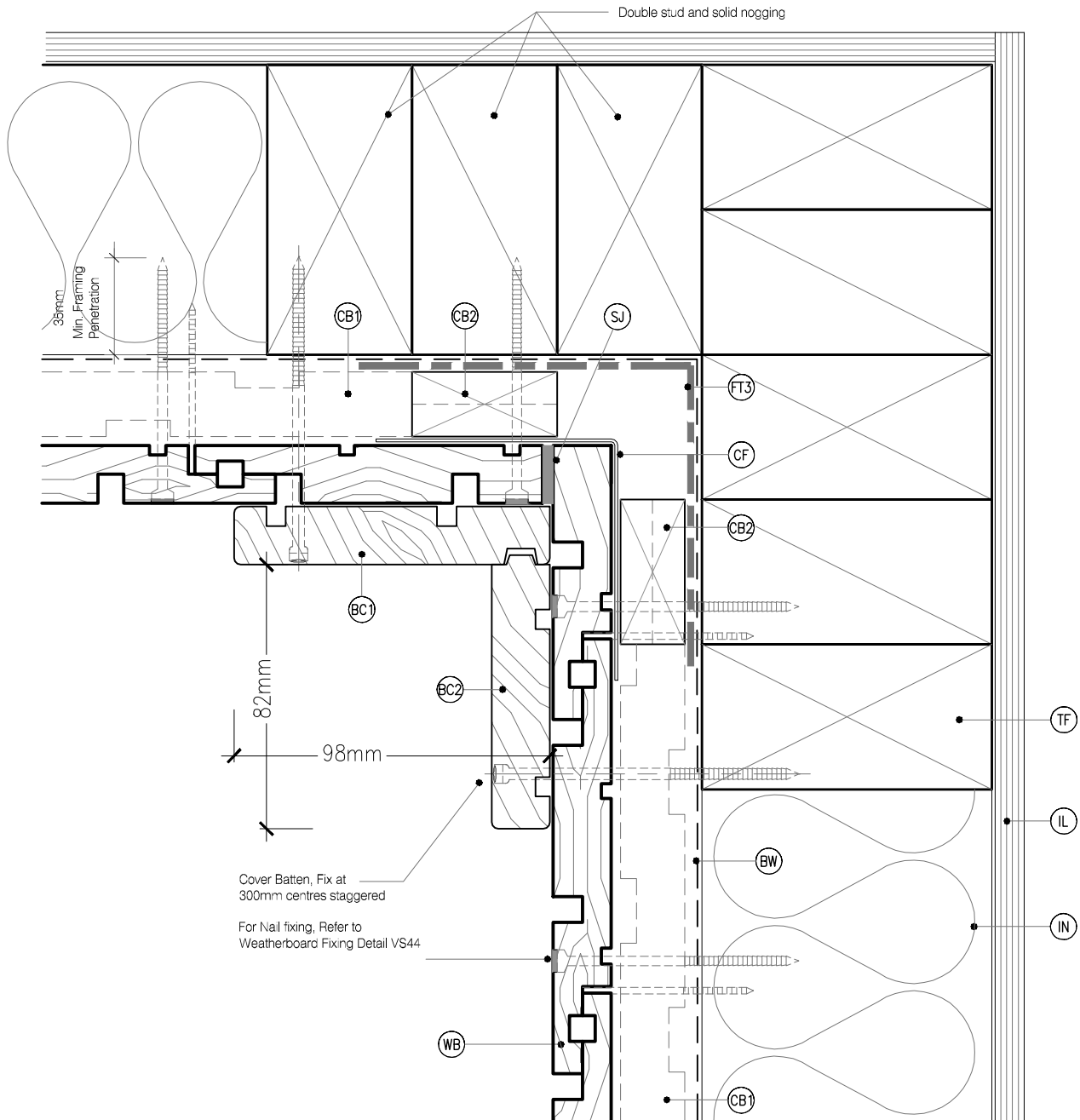
DRAWING No

KLC CF20 VS51

REVISION

LEGEND :

(PEF) PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)	(FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1	(CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity
(IL) INTERNAL LINING: Selected Internal Lining	(FT4) FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68	(CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity
(BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23. In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)	(BC1) BOXED CORNER COVER : 98x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners	(CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO. Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
(IN) INSULATION: Selected Insulation	(BC2) BOXED CORNER COVER: 85x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners	
(TF) TIMBER FRAME: H1.2 min treated timber framing		
(WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617		



DETAIL NOTES :

1. Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
2. Aluminium extrusion must not be continuous over solid floor joists.

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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Internal Boxed Corner**



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

DRAWING No **KLC CF20 VS52** REVISION

LEGEND :

PEF

PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)

IL

INTERNAL LINING: Selected Internal Lining

BW

BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23. In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)

IN

INSULATION: Selected Insulation

TF

TIMBER FRAME: H1.2 min treated timber framing

WB

WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617

FT3

FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1

FT4

FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68

BC1

BOXED CORNER COVER : 98x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners

BC2

BOXED CORNER COVER: 85x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners

CB1

CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity

CB2

CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity

CF

CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO. Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1

FT3

Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1

TF

IL

CF

Double stud and solid nogging

CB2

CB1

BC1

WB shown stopped short for clarity

Building wrap continuous around corners

WB

Double prime cut ends. Continuous strip of flexible adhesive sealant. Sealant must be used on the full face of both weatherboards. Push tightly together.

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TYPE Generation II H3.2 Exterior Cladding Systems
Vertical Shiplap WB - Cavity Fix

NAME 3D - Internal Boxed Corner



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

DRAWING No KLC CF20 VS53
REVISION

LEGEND :

(PEF)

PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)

(IL)

INTERNAL LINING: Selected Internal Lining

(BW)

BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23. In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)

(IN)

INSULATION: Selected Insulation

(TF)

TIMBER FRAME: H1.2 min treated timber framing

(WB)

WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617

(FT3)

FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1

(FT4)

FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68

(BC1)

BOXED CORNER COVER : 98x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners

(BC2)

BOXED CORNER COVER: 85x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners

(CB1)

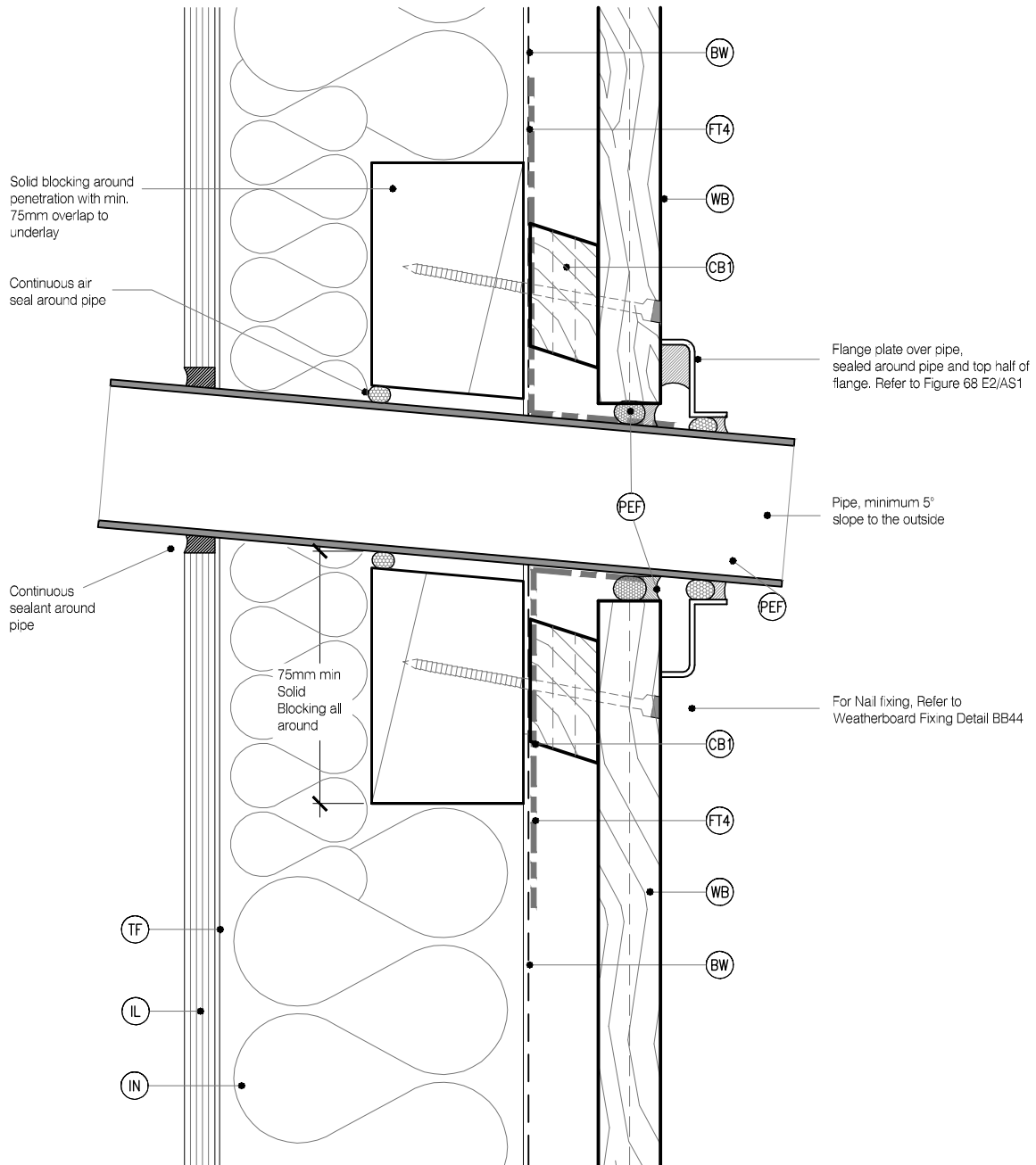
CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity

(CB2)

CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity

(CF)

CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO. Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1



MicroPro® Wood Treatment Technology

1. KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications.
2. Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3640:2003 and AS1604:12012
3. MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
4. Cut End Treatment: All cut ends surfaces are to be double coated and sealed before fixing. With a alkyl (oil based) primer
5. MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage
6. MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
7. MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools Certification from the Greenguard® Environmental Institute.
8. MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
9. MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS50-56 - GENERAL DETAILS 02.dwg

DATE : 26/10/2018

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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Pipe Penetration**

CODEMARK
AQ-020216-CMNZ

DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

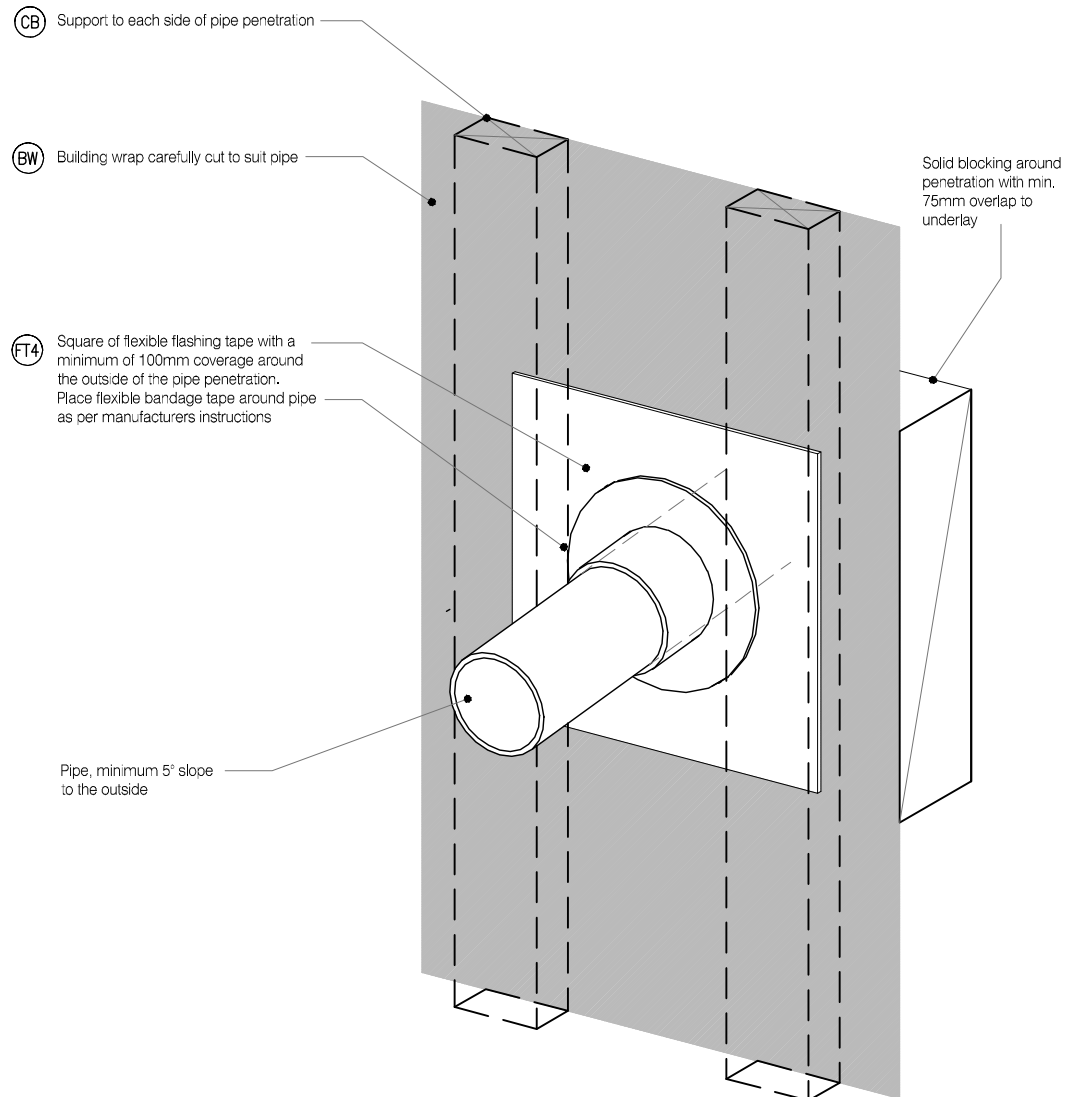
DRAWING No **KLC CF20 VS54** REVISION

LEGEND :

- PEF** PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- IL** INTERNAL LINING: Selected Internal Lining
- BW** BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23. In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- IN** INSULATION: Selected Insulation
- TF** TIMBER FRAME: H1.2 min treated timber framing
- WB** WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617

- FT3** FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11 Flashing tape is recommended due to movement that may occur in corners but it is not required by E2/AS1
- FT4** FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68
- BC1** BOXED CORNER COVER : 98x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners
- BC2** BOXED CORNER COVER: 85x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners

- CB1** CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity
- CB2** CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity
- CF** CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO. Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1



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- KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications.
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- Cut End Treatment : All cut ends surfaces are to be double coated and sealed before fixing. With a alkyl (oil based) primer
- MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage.
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- MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools' Certification from the Greenguard® Environmental Institute.
- MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
- MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS50-56 - GENERAL DETAILS 02.dwg
DATE : 26/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **3D - Pipe Penetration**



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

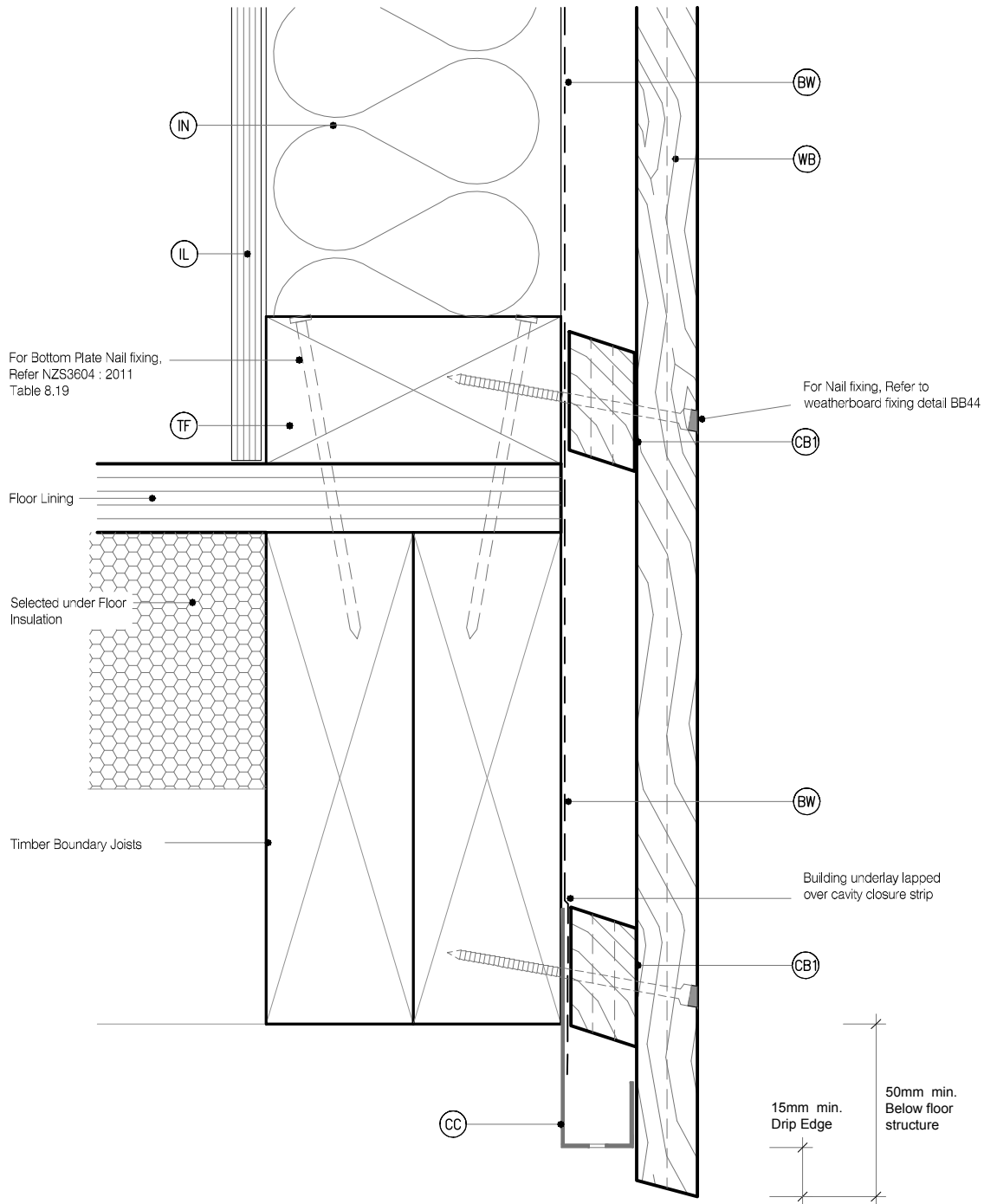
DRAWING No **KLC CF20 VS55** REVISION

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing

- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity
- (MR) METAL ROOFING : Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated

- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 2.5mm predrilled hole
- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H $\geq 10^\circ$) All others 200mm Refer Table 7 E2/AS1
- (SL) SOFFIT LINING: As Selected (Typically 7.5mm Hardies Soffit Liner)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding



MicroPro® Wood Treatment Technology

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- MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
- Cut End Treatment : All cut ends surfaces are to be double coated and sealed before fixing. With a alkylid (oil based) primer
- MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage
- MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
- MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools' Certification from the Greenguard® Environmental Institute.
- MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
- MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS60-66 - GENERAL DETAILS 03.dwg

DATE : 25/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Base of Wall, Timber**



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

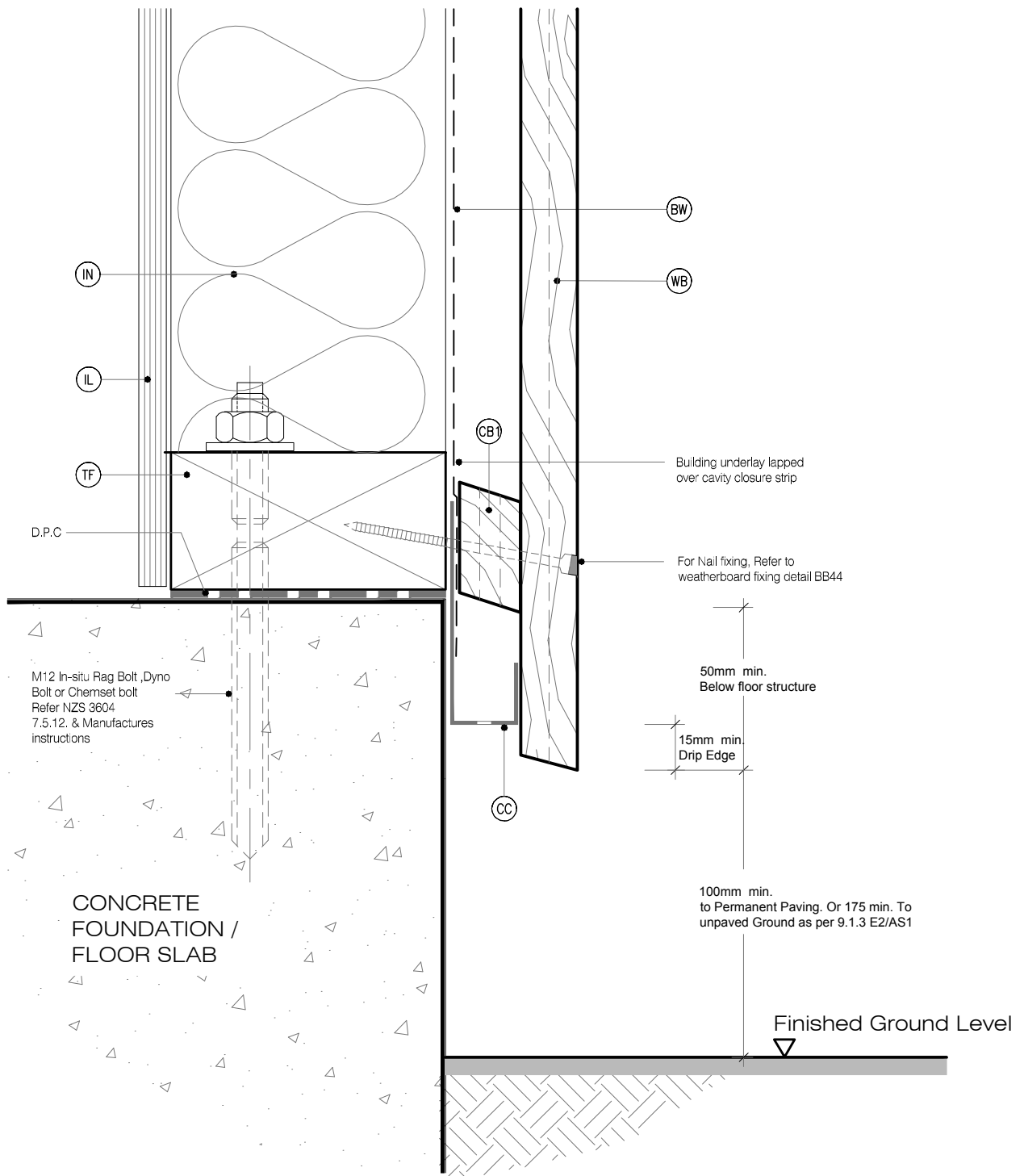
DRAWING No **KLC CF20 VS60** REVISION

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing

- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity
- (MR) METAL ROOFING : Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated

- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 2.5mm predrilled hole
- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H $\geq 10^\circ$) All others 200mm Refer Table 7 E2/AS1
- (SL) SOFFIT LINING: As Selected (Typically 7.5mm Hardies Soffit Liner)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding



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- MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
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CAD REF : KLC CF20 VS60-66 - GENERAL DETAILS 03.dwg

DATE : 25/10/2018



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TYPE Generation II H3.2 Exterior Cladding Systems
Vertical Shiplap WB - Cavity Fix

NAME Base of Wall, Concrete



AQ-02016-CMNZ

DRAWING SCALE

1:2 @ A4

ISSUE DATE

26/10/2018

DRAWING No

KLC CF20 VS61

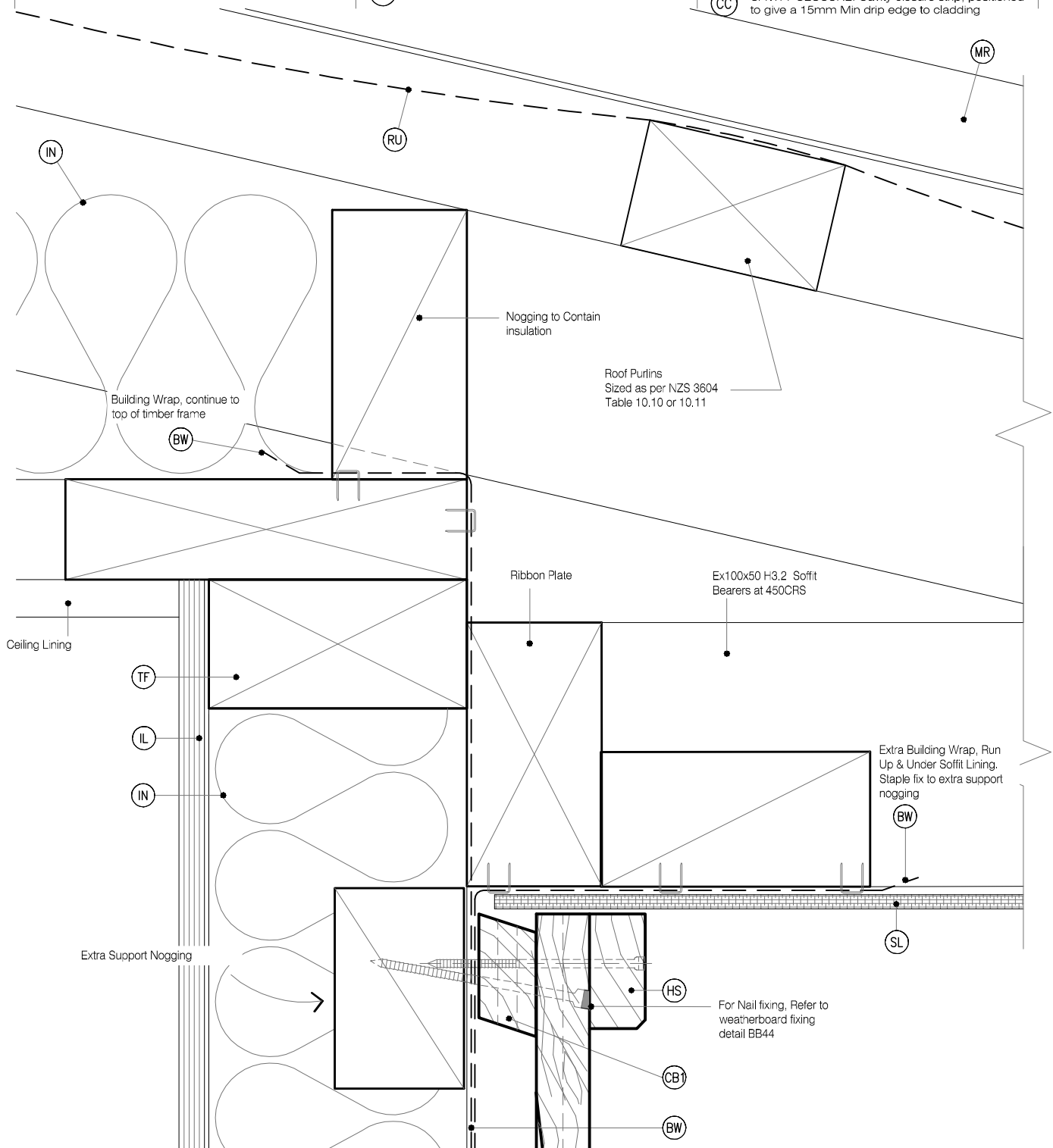
REVISION

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing

- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity
- (MR) METAL ROOFING : Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated

- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 2.5mm predrilled hole
- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H ≥ 10°) All others 200mm Refer Table 7 E2/AS1
- (SL) SOFFIT LINING: As Selected (Typically 7.5mm Hardies Soffit Liner)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding



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CAD REF : KLC CF20 VS60-66 - GENERAL DETAILS 03.dwg

DATE : 25/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Soffit Detail at Wall**



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

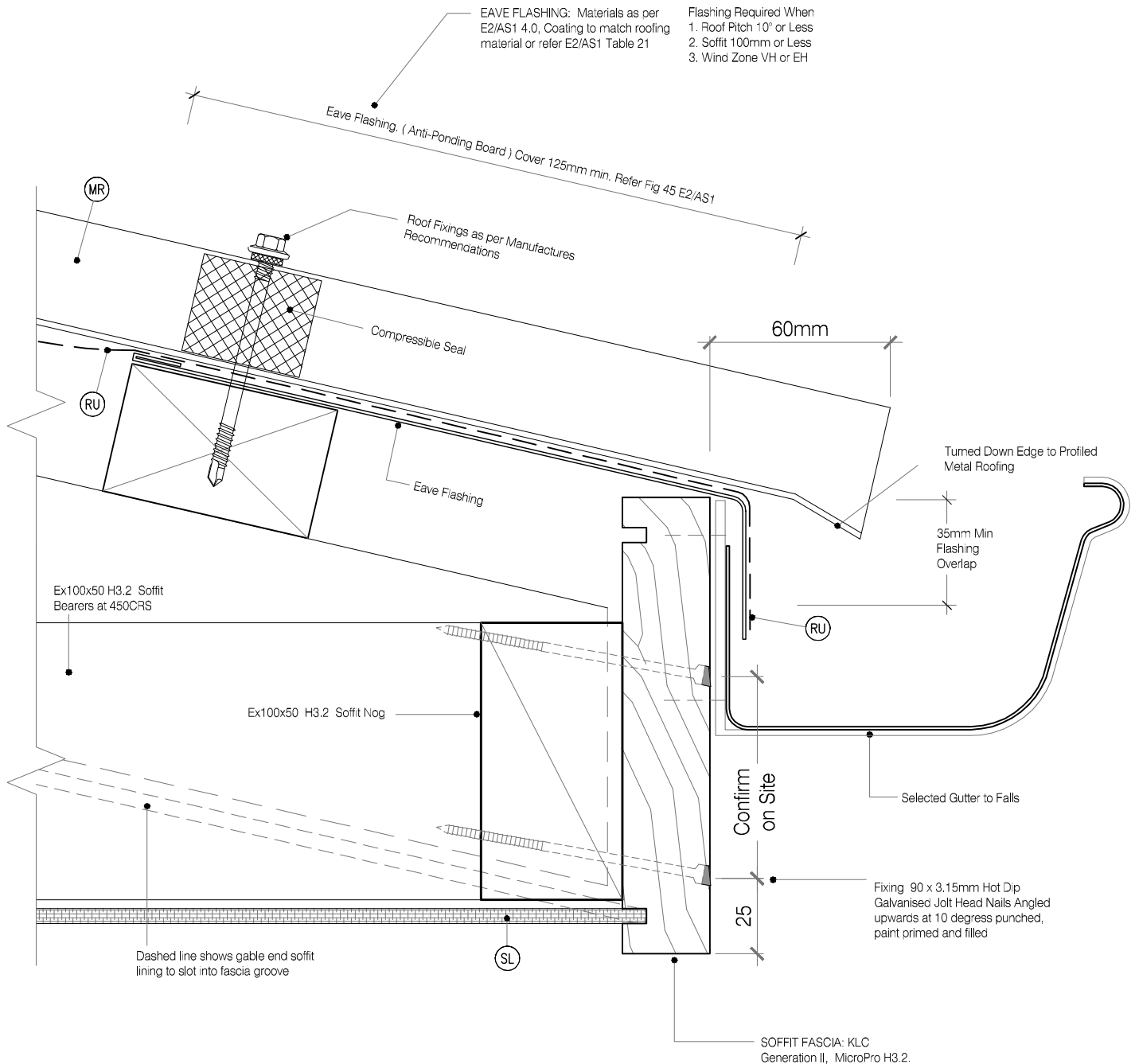
DRAWING No **KLC CF20 VS62** REVISION

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing

- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity
- (MR) METAL ROOFING: Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated

- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 2.5mm predrilled hole
- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L, M & H ≥ 10°) All others 200mm Refer Table 7 E2/AS1
- (SL) SOFFIT LINING: As Selected (Typically 7.5mm Hardies Soffit Liner)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding



MicroPro® Wood Treatment Technology

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CAD REF : KLC CF20 VS60-66 - GENERAL DETAILS 03.dwg

DATE : 25/10/2018



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TYPE Generation II H3.2 Exterior Cladding Systems
Vertical Shiplap WB - Cavity Fix

NAME Soffit Detail at Fascia



AQ-020216-CMNZ

DRAWING SCALE

1:2 @ A4

ISSUE DATE

26/10/2018

DRAWING No

KLC CF20 VS63

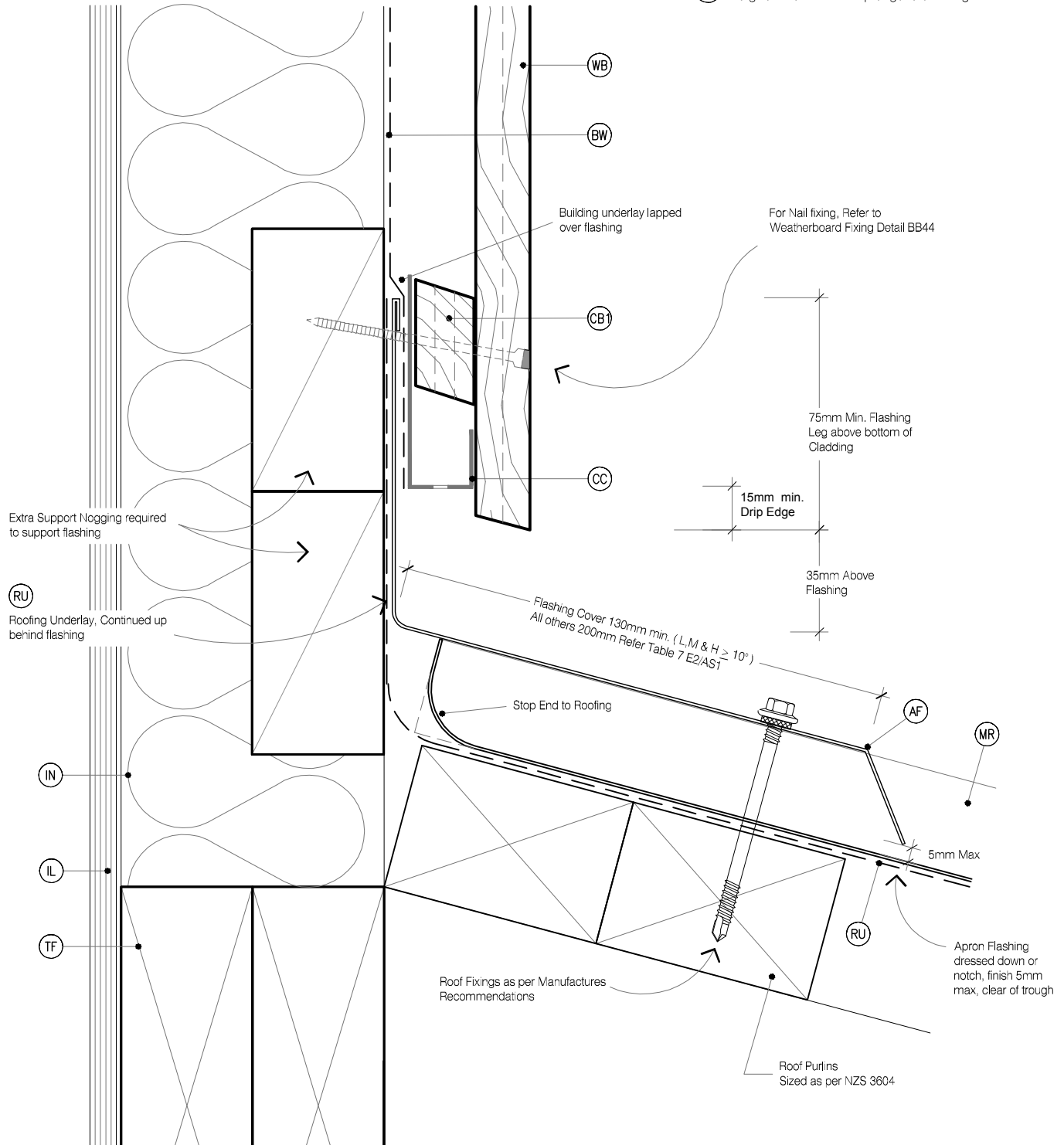
REVISION

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
 (IL) INTERNAL LINING: Selected Internal Lining
 (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
 (IN) INSULATION: Selected Insulation
 (TF) TIMBER FRAME: H1.2 min treated timber framing

- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity
 (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity
 (MR) METAL ROOFING : Selected Metal Roofing
 (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
 (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated

- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 2.5mm predrilled hole
 (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H $\geq 10^\circ$) All others 200mm Refer Table 7 E2/AS1
 (SL) SOFFIT LINING: As Selected (Typically 7.5mm Hardies Soffit Liner)
 (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding



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CAD REF : KLC CF20 VS60-66 - GENERAL DETAILS 03.dwg

DATE : 25/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Apron Flashing - Roof to Wall Junction**



DRAWING SCALE
 1:2 @ A4

ISSUE DATE
 26/10/2018

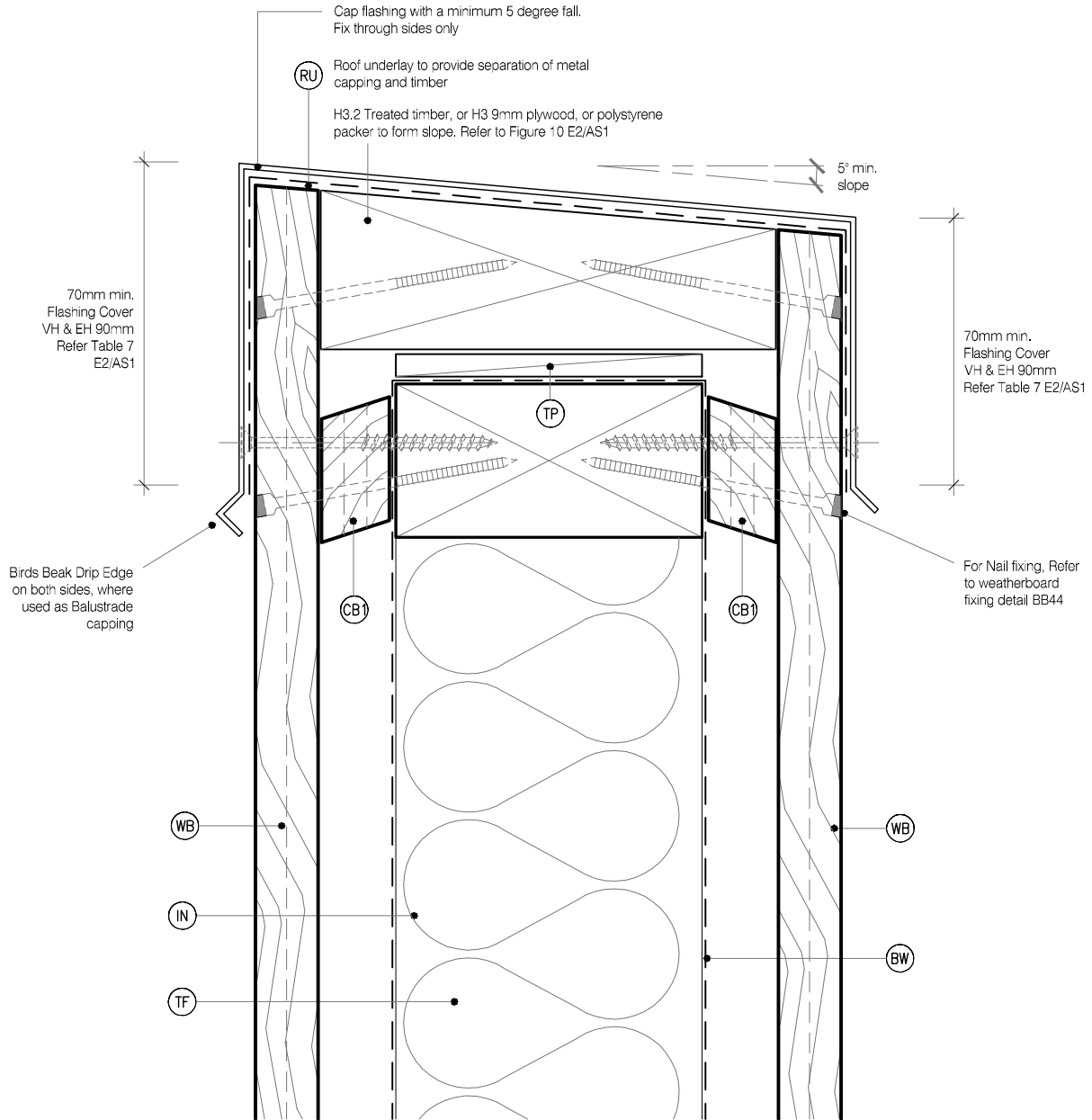
DRAWING No **KLC CF20 VS64** REVISION

LEGEND :

- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Vertical Shiplap WB. Profile to NZS 3617
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing

- (CB1) CAVITY BATTEN, HORIZONTAL: 45x20 Castellated with a 18 degree bevelled slope. MicroPro H3.2 FJ. To form a 20mm cavity
- (CB2) CAVITY BATTEN, VERTICAL: 45x20 KLC Generation II, MicroPro H3.2 FJ. To form a 20mm cavity
- (MR) METAL ROOFING : Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated

- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 2.5mm predrilled hole
- (AF) APRON FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21. Flashing Cover 130mm min. (L,M & H $\geq 10^{\circ}$) All others 200mm Refer Table 7 E2/AS1
- (SL) SOFFIT LINING: As Selected (Typically 7.5mm Hardies Soffit Liner)
- (CC) CAVITY CLOSURE: Cavity closure strip, positioned to give a 15mm Min drip edge to cladding



MicroPro® Wood Treatment Technology

1. KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications.
2. Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3640:2003 and AS1604:12012
3. MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
4. Cut End Treatment : All cut ends surfaces are to be double coated and sealed before fixing. With a alkylid (oil based) primer
5. MicroPro preservative solution has benefits of reduced corrosivity. Use Hot Dip Galvanised Fasteners & Stainless Steel fasteners. MicroPro may be placed in direct contact with Aluminium Building products in interior applications, and above ground exterior applications that provide proper water drainage
6. MicroPro® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
7. MicroPro® is environmentally sustainable, is low leaching, low VOC emissions and the award of the GREENGUARD Children and Schools' Certification from the Greenguard® Environmental Institute.
8. MicroPro® Wood Treatment Technology has received a Global GreenTag GreenRate™ Level A this declaration is 'Fit-for-Purpose' and confirmed for Green Building compliance.
9. MicroPro® Wood Treatment Technology has received GreenTag PhD™ proving claims that MicroPro® is safe for human health (and ecosystems).

CAD REF : KLC CF20 VS60-66 - GENERAL DETAILS 03.dwg

DATE : 25/10/2018



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TYPE **Generation II H3.2 Exterior Cladding Systems**
Vertical Shiplap WB - Cavity Fix

NAME **Balustrade Capping or Parapet Detail**



DRAWING SCALE
1:2 @ A4

ISSUE DATE
26/10/2018

DRAWING No **KLC CF20 VS65** REVISION