SITE DRAWINGS

ISSUE DATE : 20.11.2018

Generation II H3.2 Exterior Cladding Systems

Bevel Back Weatherboard - Cavity Fix

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

VERSION V1 01/03/2018

CAD REF : KLC DF BB00 COVER SHEET.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME A4 COVER SHEET - Site Details

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
N.T.S	20/11/2018

DRAWING No	REVISION
KLC DF BB01	

A4 Site Details - INDEX

Sheet Number	Sheet Title
KLC DF BB10	Window Head Detail - Aluminium Joinery
KLC DF BB11	Window Sill Detail - Aluminium Joinery
KLC DF BB12	Window Jamb Detail - Aluminium Joinery
KLC DF BB13	Window Flashing Details - Aluminium Joinery
KLC DF BB20	Door Head Detail - Aluminium Joinery
KLC DF BB21	Door Sill Detail - Aluminium Joinery
KLC DF BB22	Door Jamb Detail - Aluminium Joinery
KLC DF BB23	Door Flashing Details - Aluminium Joinery
KLC DF BB30	Meter Box - Head Detail
KLC DF BB31	Meter Box - Sill Detail
KLC DF BB32	Meter Box - Jamb Detail
KLC DF BB33	Meter Box - Flashing Details
KLC DF BB40	External Corner Soaker
KLC DF BB41	3D - External Corner Soaker
KLC DF BB42	Internal Corner
KLC DF BB43	3D - Internal Corner
KLC DF BB44	Weatherboard Fixing
KLC DF BB45	Scarf Joint - Horizontal
KLC DF BB50	External Boxed Corner
KLC DF BB51	3D - External Boxed Corner
KLC DF BB52	Internal Boxed Corner
KLC DF BB53	3D - Internal Boxed Corner
KLC DF BB54	Pipe Penetration
KLC DF BB55	3D - Pipe Penetration
KLC DF BB60	Base of Wall, Timber
KLC DF BB61	Base of Wall, Concrete
KLC DF BB62	Soffit Detail at Wall
KLC DF BB63	Soffit Detail at Fascia
KLC DF BB64	Apron Flashing - Roof to Wall Junction
KLC DF BB65	Balustrade Capping or Parapet Detail

CAD REF : KLC DF BB00 COVER SHEET.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME A4 INDEX - Site Details

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
N.T.S	20/11/2018

DRAWING No	REVISION
KLC DF BB02	

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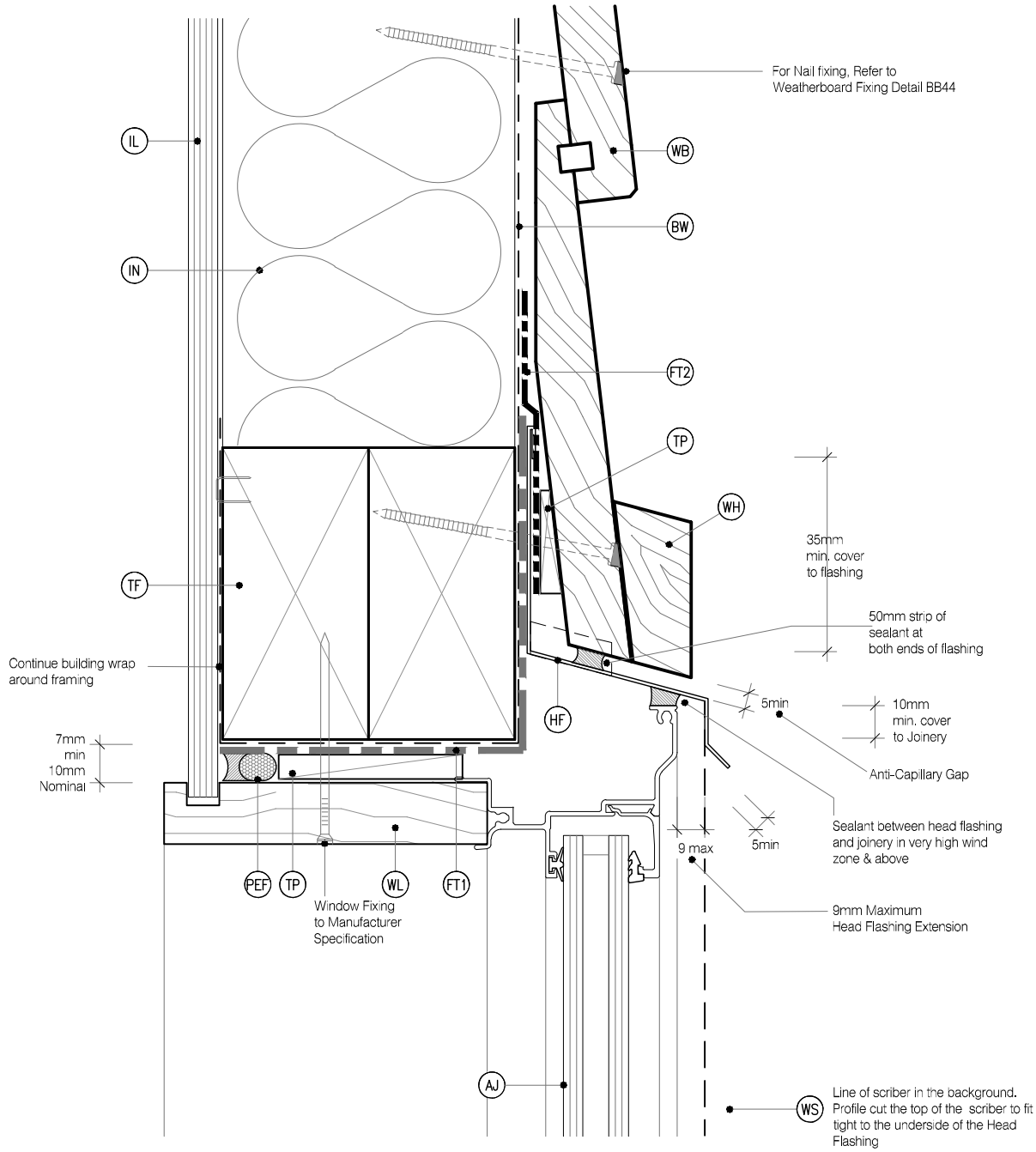
b) Accept responsibility for any loss, damage (including indirect, special or consequential loss or damage), however caused (including through negligence) that you may directly or indirectly suffer in connection with your use of or reliance on the KLC & AIPdesigNZ Details, including the accuracy or currency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

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)
- (AJ) ALUMINIUM JOINERY: Selected double glazed aluminium joinery
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (SF) SILL FLASHING: Powder Coater Aluminium, extend behind line of Aluminium Frame with 8mm min back upstand and sloping end dams as per Figure 72A E2/AS1
- (JB) JAMB BATTENS: 20mm MicroPro H3.2. Batten stops short of sill flashing, Sill flashing runs under
- (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
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (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
- (SS) SILL SCRIBER: MicroPro H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- (WL) WINDOW LINER: As Specified (We Recommend MicroPro H3.2 Liners & Sills)
- (WH) WEATHERHEAD: MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of head scriber
- (WS) WINDOW SCRIBER: KLC Generation II, MicroPro H3.2 profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole, 40x18 or 65x18 depending on weatherboard size



MicoPro® 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 alkyd (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).

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Window Head Detail - Aluminium Joinery

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB10	0

CAD REF : KLC DF BB10-15 - WINDOW DETAILS.dwg
DATE : 20/11/2018

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)
- (AJ) ALUMINIUM JOINERY: Selected double glazed aluminium joinery
- (IL) INTERNAL LINING: Selected Internal Lining
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- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (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
- (SS) SILL SCRIBER: MicroPro H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- (WL) WINDOW LINER: As Specified (We Recommend MicroPro H3.2 Liners & Sills)
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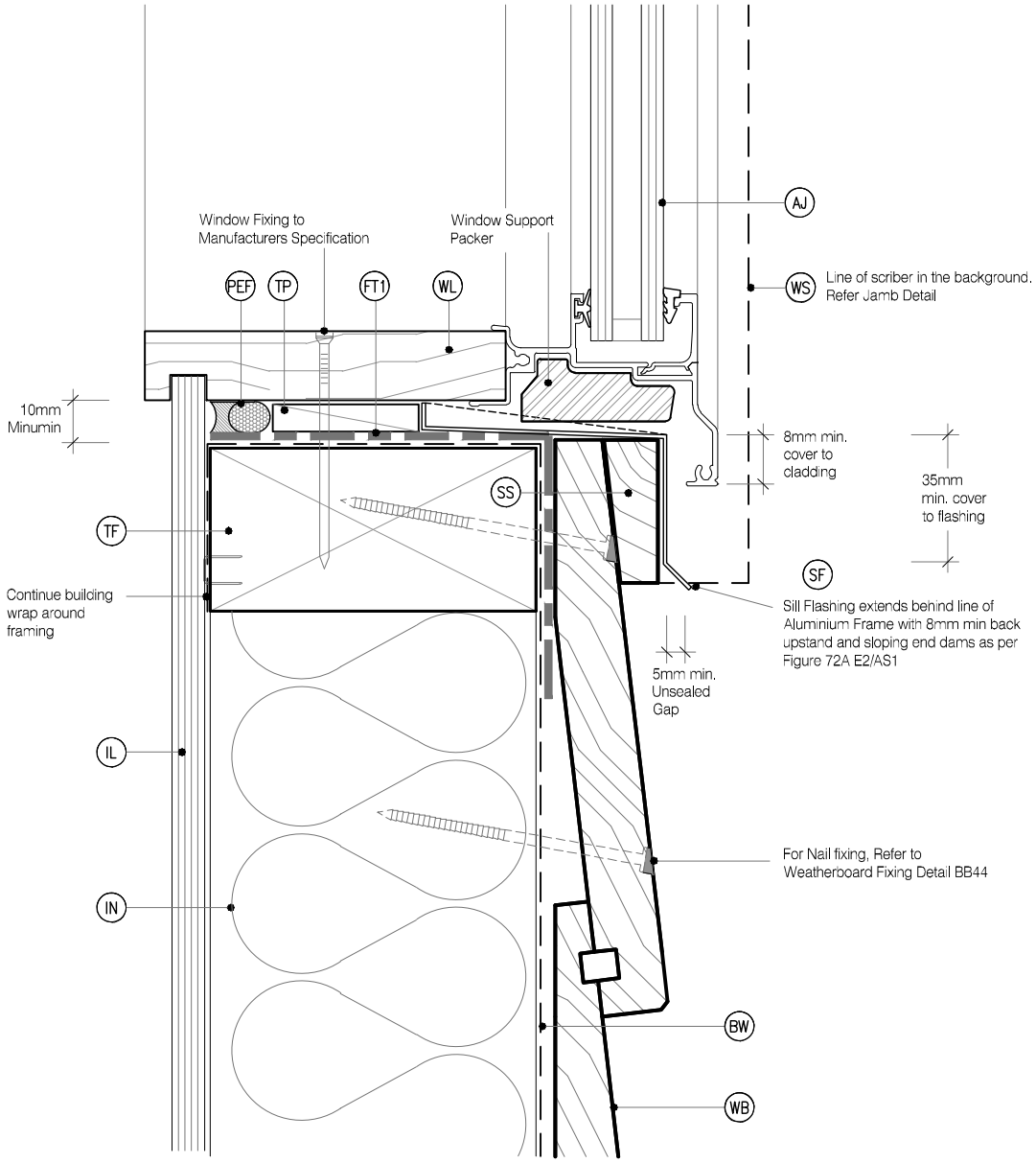

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CAD REF : KLC DF BB10-15 - WINDOW DETAILS.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Window Sill Detail - Aluminium Joinery

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB11	0

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)
- (AJ) ALUMINIUM JOINERY: Selected double glazed aluminium joinery
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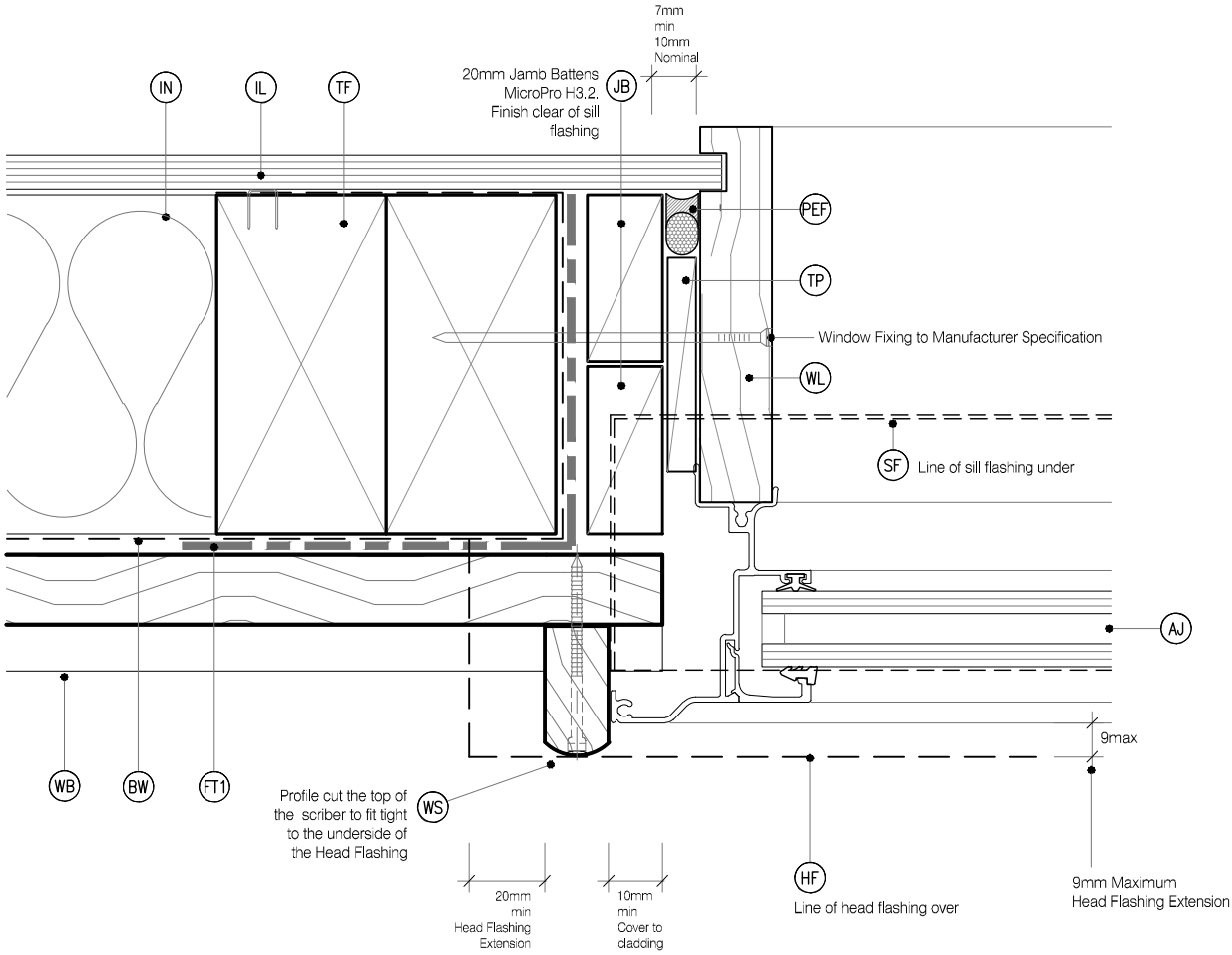

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

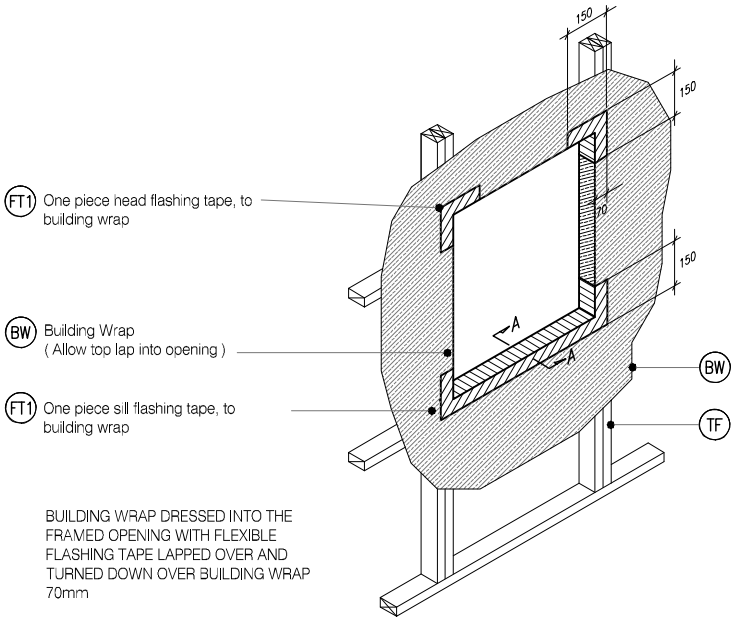
NAME Window Jamb Detail - Aluminium Joinery

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

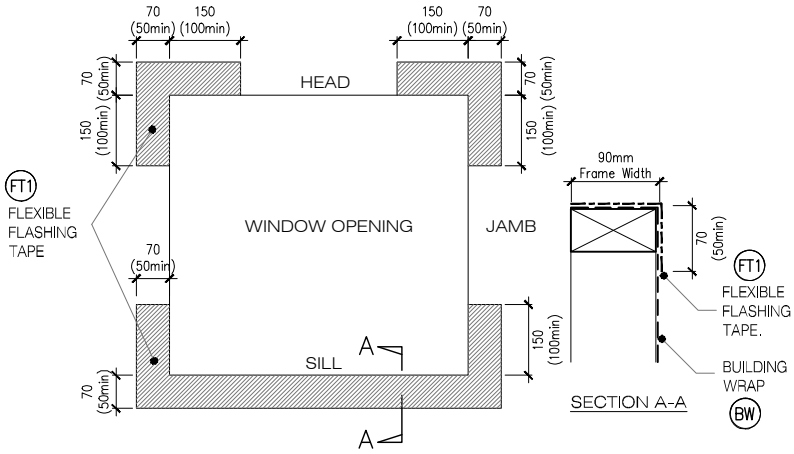
DRAWING No	REVISION
KLC DF BB12	0

CAD REF : KLC DF BB10-15 - WINDOW DETAILS.dwg
DATE : 20/11/2018



W4 BB13 TYPICAL WINDOW OPENING (FLASHING TAPE)

SCALE : N.T.S



W5 BB13 FLEXIBLE BUILDING WRAP AT OPENING

SCALE : 1 / 5 @ A1, 1 / 10 @ A3

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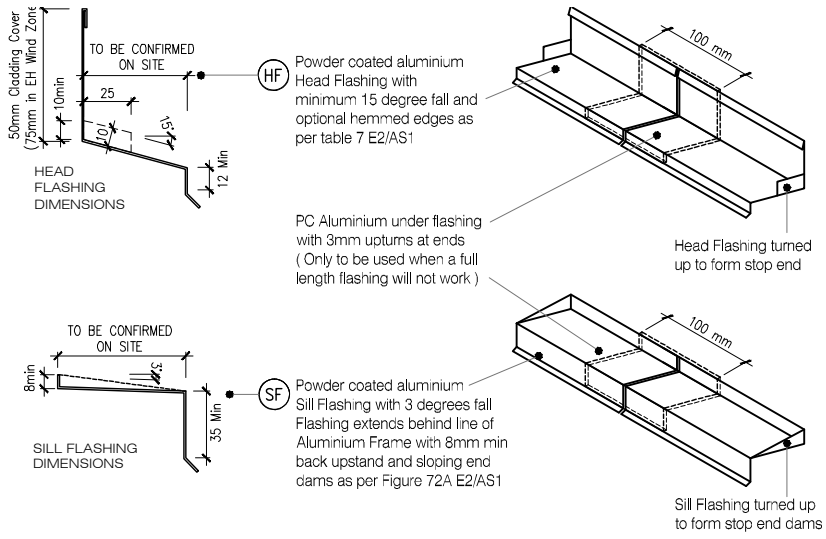

W6 BB13 TYPICAL HEAD & SILL FLASHINGS

SCALE : 1 / 2 @ A1, 1 / 4 @ A3

CAD REF : KLC DF BB10-15 - WINDOW DETAILS.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Window Flashing Details - Aluminium Joinery

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:4 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB13	0

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)
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- (IL) INTERNAL LINING: Selected Internal Lining
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- (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
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (HF) HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1
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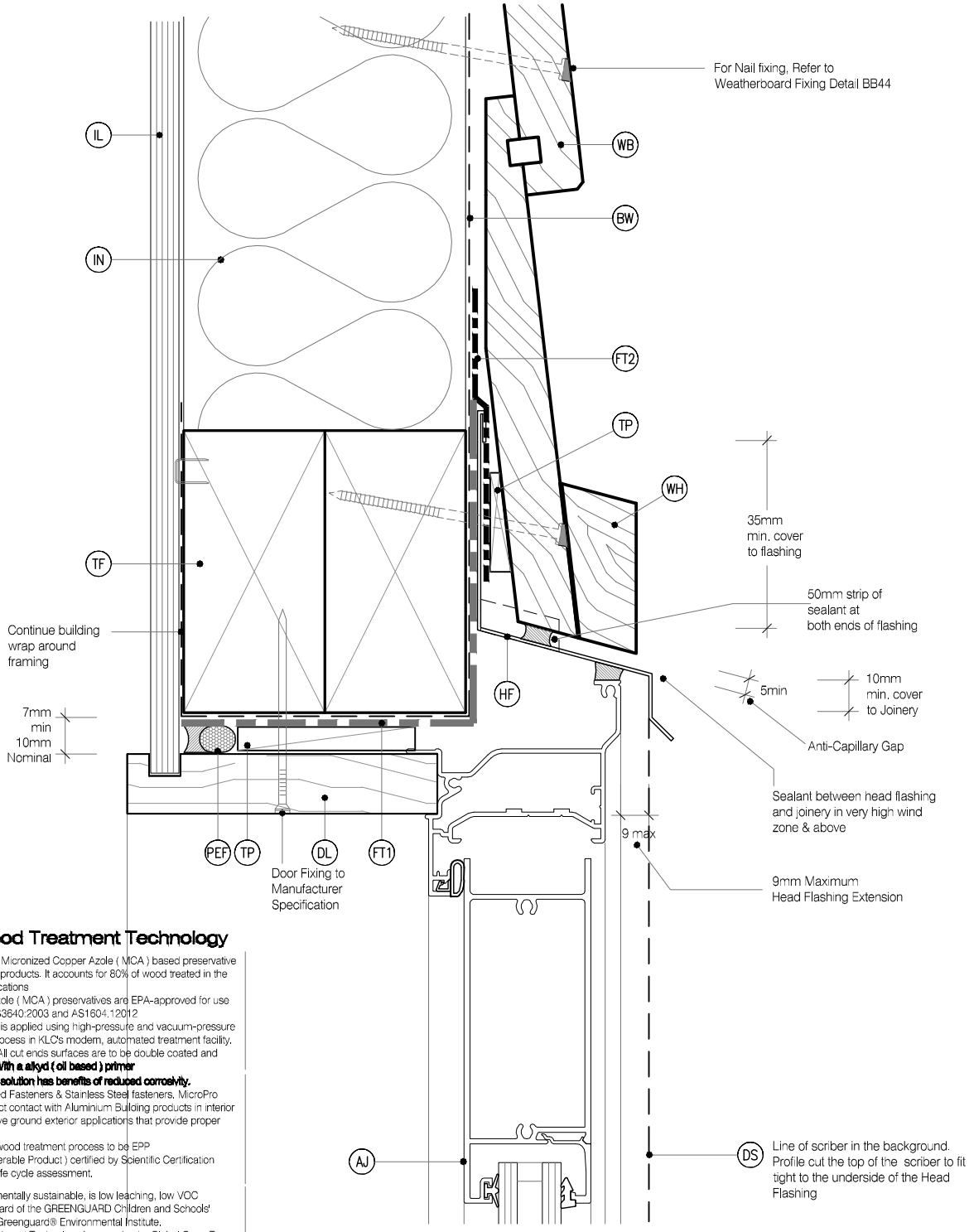
- (SS) SILL SCRIBER: MicroPro H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- (DL) DOOR LINER: As Specified (We Recommend MicroPro H3.2 Liners & Sills)
- (WH) WEATHERHEAD: MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of sill scriber
- (TP) TIMBER PACKER: MicroPro H3.2 Treated Packer
- (DS) DOOR SCRIBER: KLC Generation II, MicroPro H3.2 profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole. 40x18 or 65x18 depending on weatherboard size



MicoPro® Wood Treatment Technology

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CAD REF : KLC DF BB20~25 ~ DOOR DETAILS.dwg
DATE : 20/11/2018

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www.klc.co.nz

TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Door Head Detail - Aluminium Joinery

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB20	0

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)
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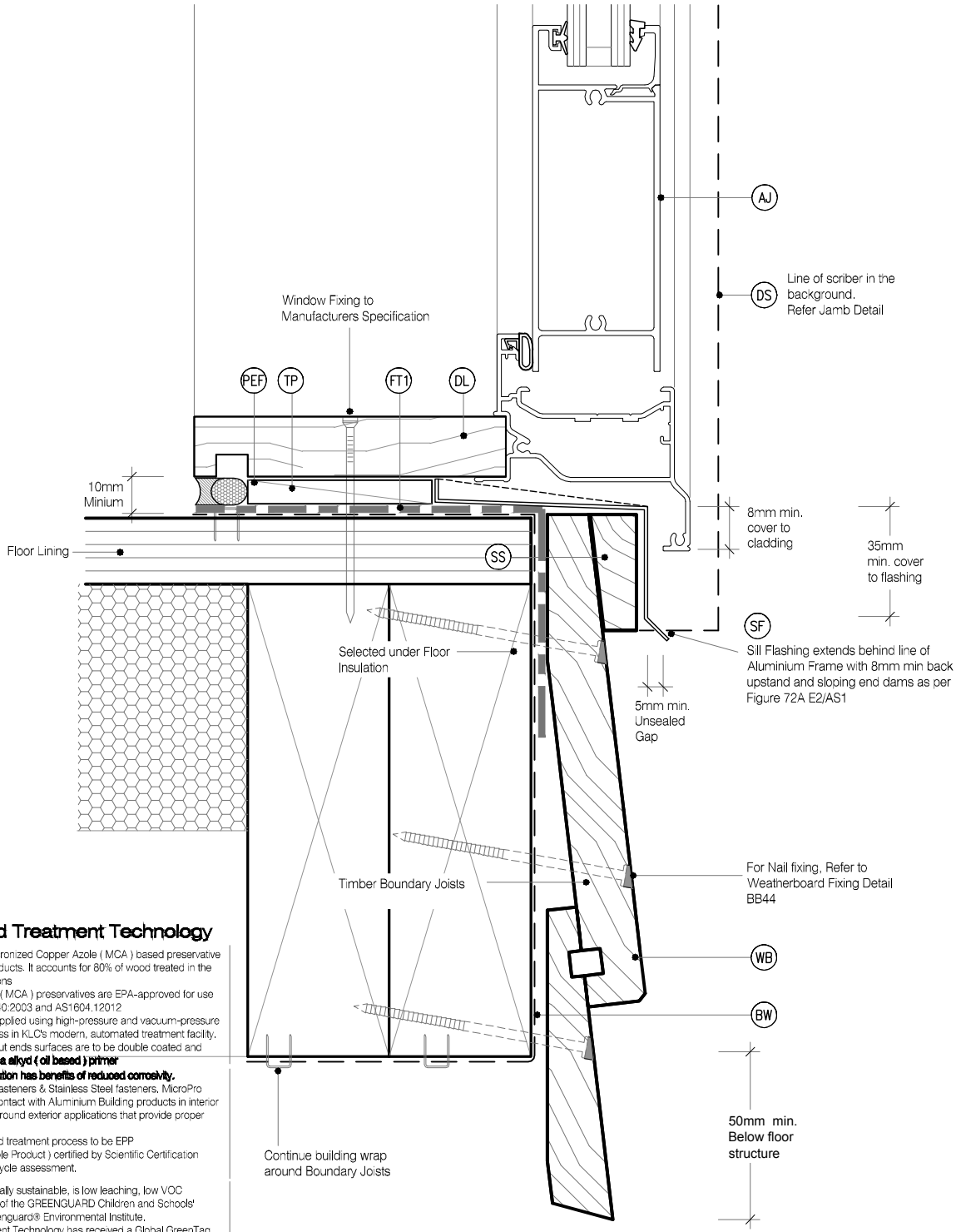
- (IN) INSULATION: Selected Insulation
- (HF) HEAD FLASHING: Aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1
- (TP) TIMBER PACKER: MicroPro H3.2 Treated Packer
- (SS) SILL SCRIBER: MicroPro H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- (DL) DOOR LINER: As Specified (We Recommend MicroPro H3.2 Liners & Sills)
- (WH) WEATHERHEAD: MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of sill scriber
- (TP) TIMBER PACKER: MicroPro H3.2 Treated Packer
- (DS) DOOR SCRIBER: KLC Generation II, MicroPro H3.2 profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole. 40x18 or 65x18 depending on weatherboard size



MicoPro® 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 alkyd (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 DF BB20~25 ~ DOOR DETAILS.dwg
DATE : 20/11/2018

Naturally Better

www.klc.co.nz

TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Door Sill Detail - Aluminium Joinery

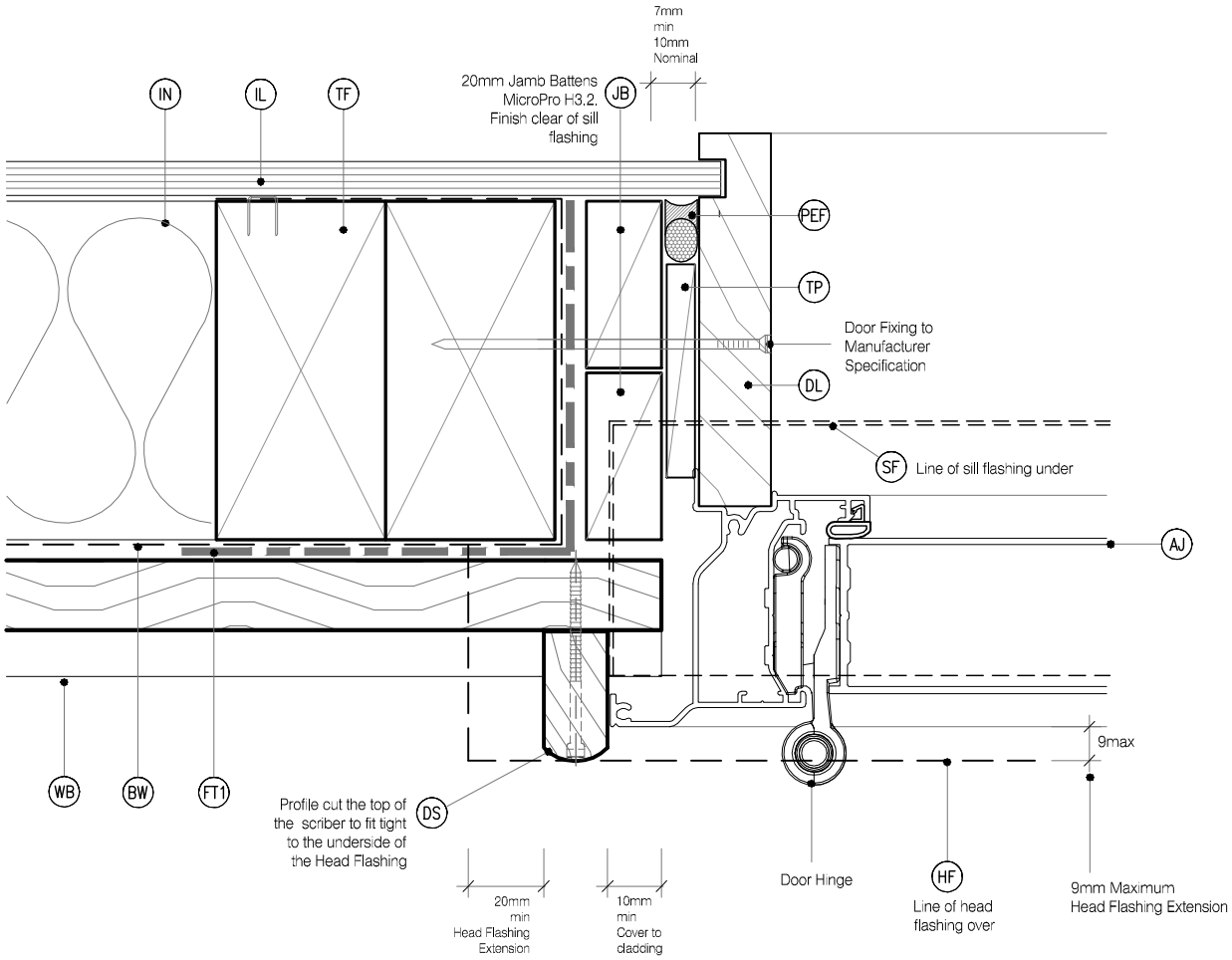
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB21	0

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)
- (AJ) ALUMINIUM JOINERY: Selected double glazed aluminium joinery
- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (SF) SILL FLASHING: Powder Coater Aluminium, extend behind line of Aluminium Frame with 8mm min back upstand and sloping end dams as per Figure 72A E2/AS1
- (JB) JAMB BATTENS: 20mm MicroPro H3.2. Batten stops short of sill flashing, Sill flashing runs under
- (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
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (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
- (SS) SILL SCRIBER: MicroPro H3.2, Horizontal batten under window as necessary to suit profile, sealant to back of sill scriber
- (DL) DOOR LINER: As Specified (We Recommend MicroPro H3.2 Liners & Sills)
- (WH) WEATHERHEAD: MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of sill scriber
- (TP) TIMBER PACKER: MicroPro H3.2 Treated Packer
- (DS) DOOR SCRIBER: KLC Generation II, MicroPro H3.2 profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole. 40x18 or 65x18 depending on weatherboard size



MicoPro® 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 alkyd (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
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Naturally Better

www.klc.co.nz

TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

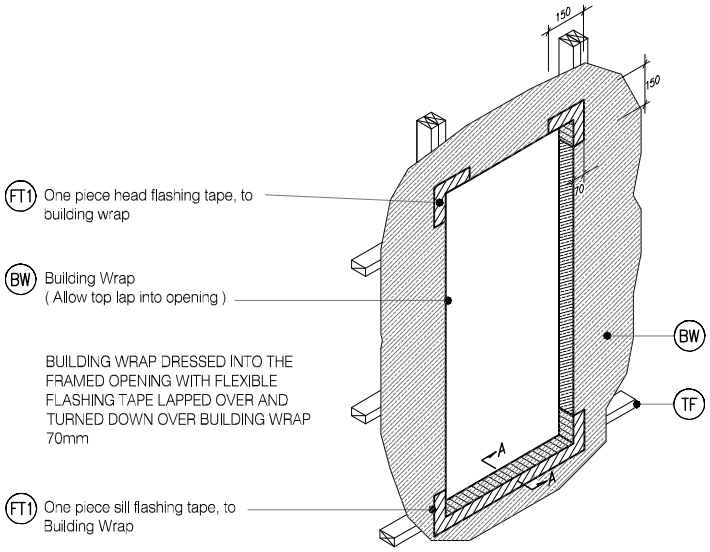
NAME Door Jamb Detail - Aluminium Joinery

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

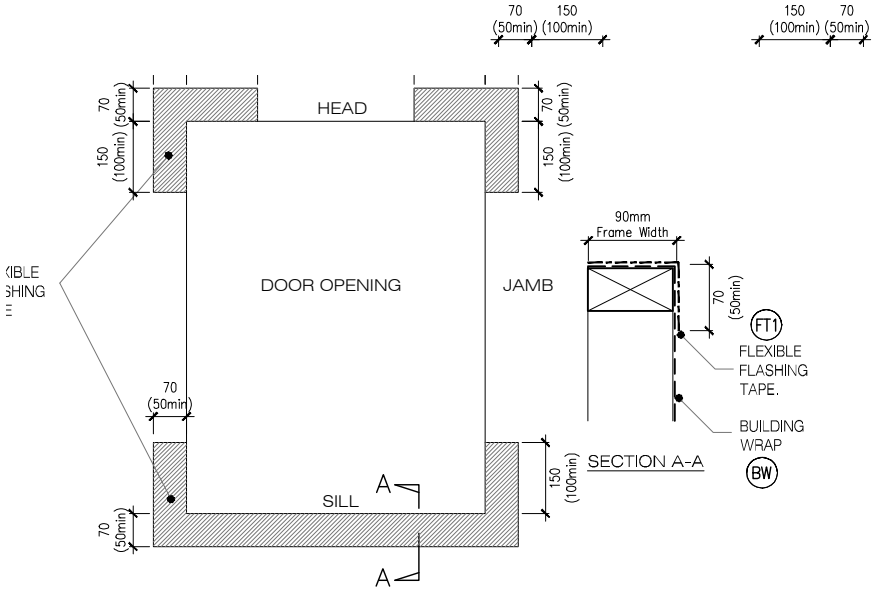
DRAWING No	REVISION
KLC DF BB22	0

CAD REF : KLC DF BB20~25 - DOOR DETAILS.dwg
DATE : 20/11/2018



D4 TYPICAL DOOR OPENING (FLASHING TAPE)

BB23 SCALE : N.T.S



D5 FLEXIBLE BUILDING WRAP AT OPENING

BB23 SCALE : 1 / 5 @ A1, 1 / 10 @ A3

MicoPro® Wood Treatment Technology

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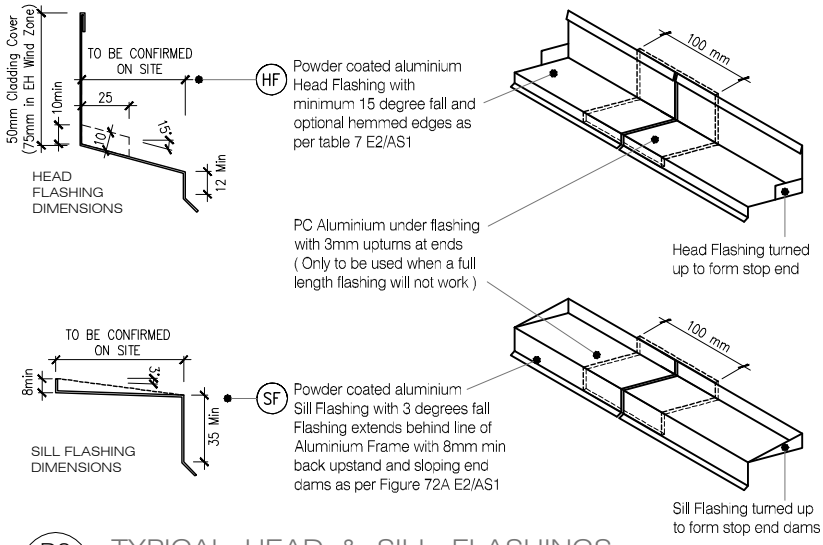

D6 TYPICAL HEAD & SILL FLASHINGS

BB23 SCALE : 1 / 2 @ A1, 1 / 4 @ A3

CAD REF : KLC DF BB20~25 ~ DOOR DETAILS.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Door Flashing Details - Aluminium Joinery

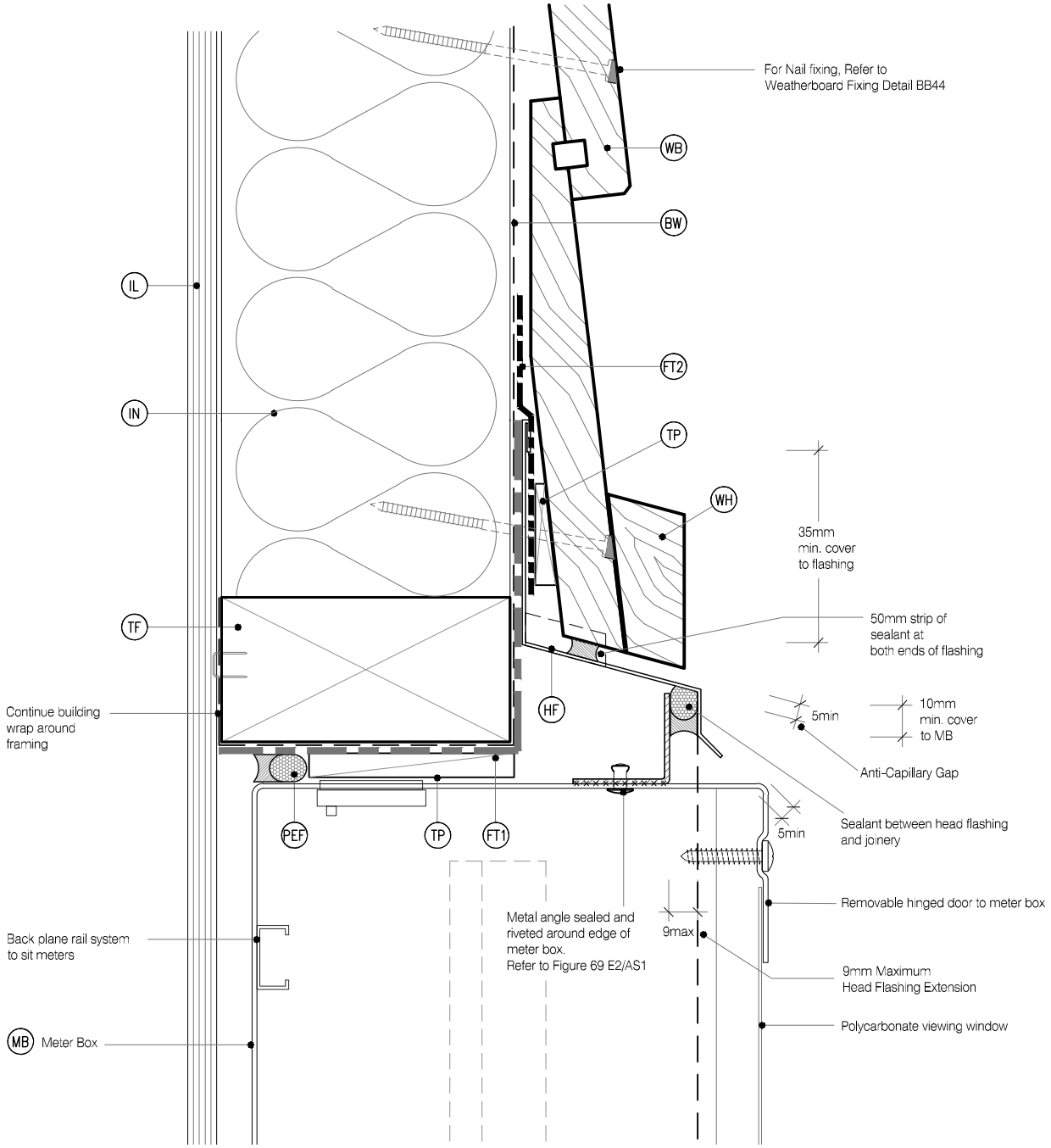
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:4 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB23	0

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, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (SF) SILL FLASHING: Powder Coater Aluminium, with 8mm min back upstand and sloping end dams as per Figure 72A E2/AS1
- (TP) TIMBER PACKER: MicroPro H3.2 Treated Packer
- (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
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (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
- (WH) WEATHERHEAD: MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of sill scriber
- (SS) SILL SCRIBER: MicroPro H3.2, Horizontal batten under meter box as necessary to suit profile
- (MS) METER BOX SCRIBER: KLC Generation II, MicroPro H3.2 profile cut to fit weatherboard, sealant to back of scriber. 40x18 or 65x18 depending on weatherboard size



MicoPro® 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 alkyd (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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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.
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KLC Naturally Better

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Meter Box - Head Detail

CODEMARK™ AQ-020216-CMNZ

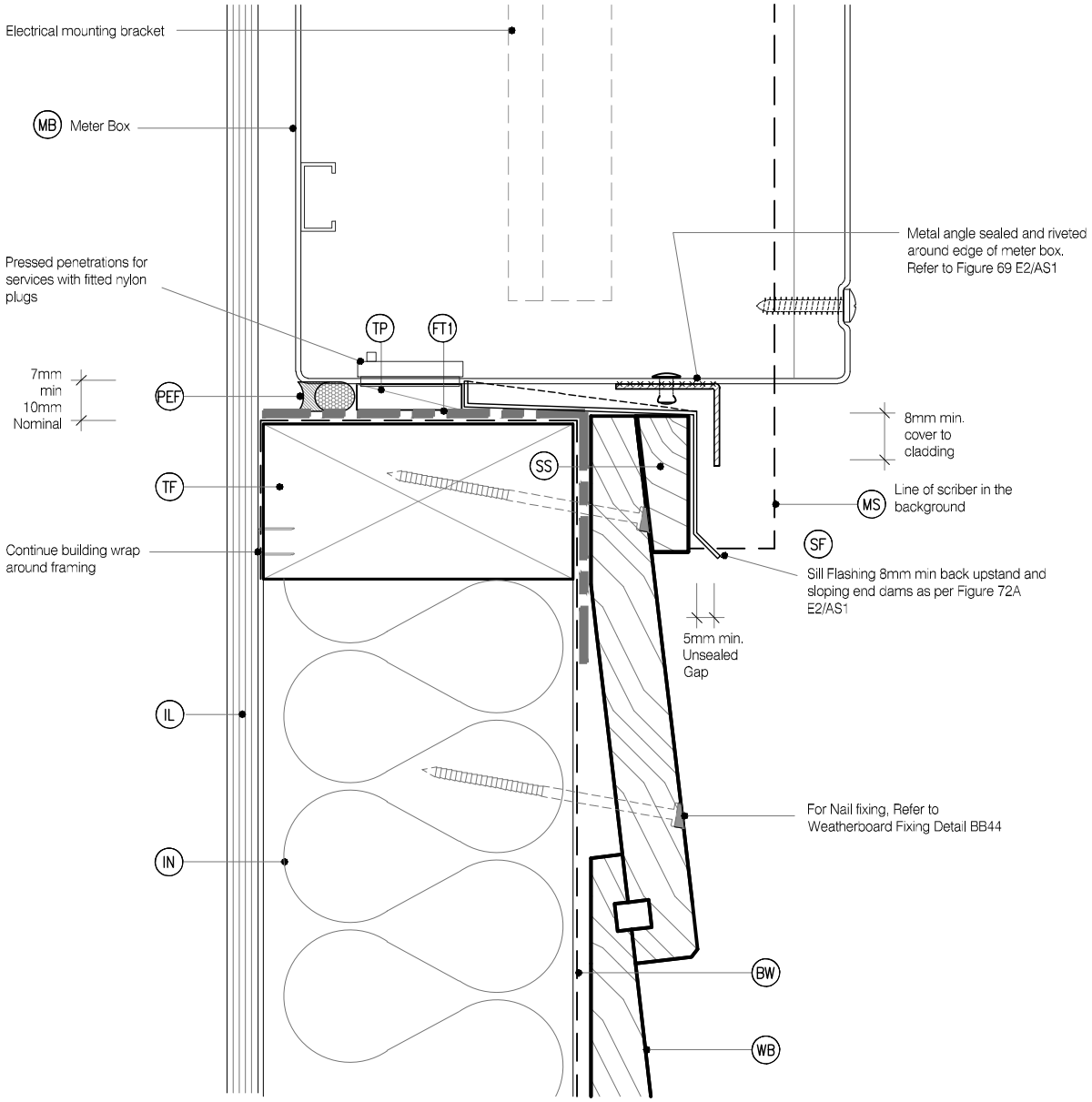
DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB30	0

CAD REF : KLC DF BB30-35 - METER BOX.dwg
DATE : 20/11/2018

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, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (SF) SILL FLASHING: Powder Coater Aluminium, with 8mm min back upstand and sloping end dams as per Figure 72A E2/AS1
- (TP) TIMBER PACKER: MicroPro H3.2 Treated Packer
- (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
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (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
- (WH) WEATHERHEAD: MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of sill scriber
- (SS) SILL SCRIBER: MicroPro H3.2, Horizontal batten under meter box as necessary to suit profile
- (MS) METER BOX SCRIBER: KLC Generation II, MicroPro H3.2 profile cut to fit weatherboard, sealant to back of scriber. 40x18 or 65x18 depending on weatherboard size



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CAD REF : KLC DF BB30-35 - METER BOX.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Meter Box - Sill Detail

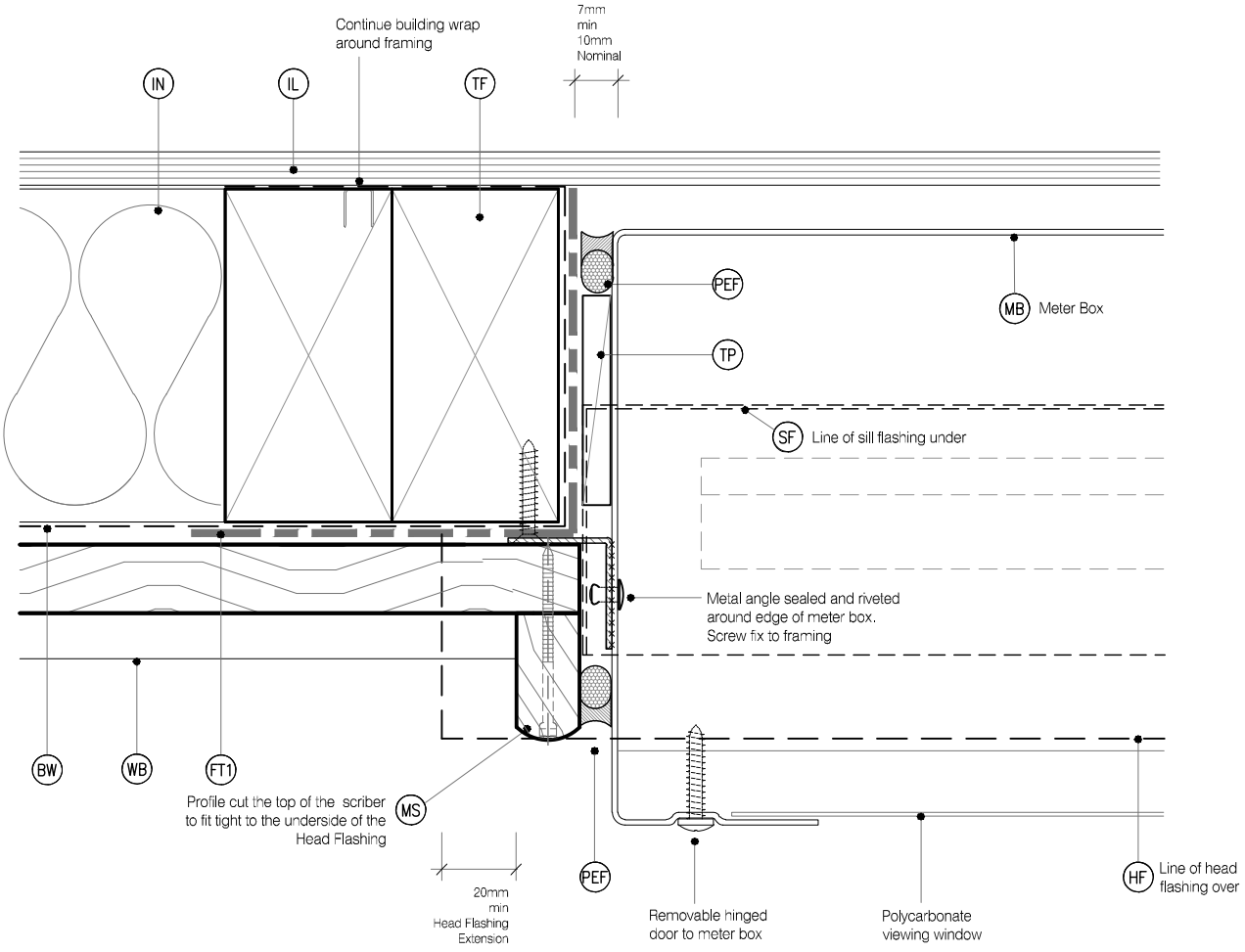
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB31	0

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, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (SF) SILL FLASHING: Powder Coater Aluminium, with 8mm min back upstand and sloping end dams as per Figure 72A E2/AS1
- (TP) TIMBER PACKER: MicroPro H3.2 Treated Packer
- (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
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (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
- (WH) WEATHERHEAD: MicroPro H3.2, Horizontal batten above window as necessary to suit profile, shaped to shed water, sealant to back of sill scriber
- (SS) SILL SCRIBER: MicroPro H3.2, Horizontal batten under meter box as necessary to suit profile
- (MS) METER BOX SCRIBER: KLC Generation II, MicroPro H3.2 profile cut to fit weatherboard, sealant to back of scriber. 40x18 or 65x18 depending on weatherboard size



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CAD REF : KLC DF BB30-35 - METER BOX.dwg
DATE : 20/11/2018

Naturally Better

www.klc.co.nz

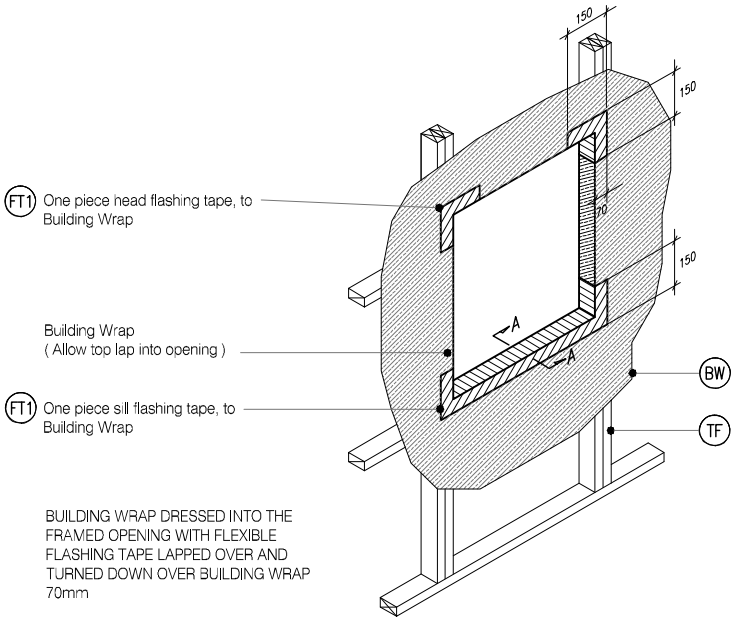
TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Meter Box - Jamb Detail

CODEMARK™ AQ-020216-CMNZ

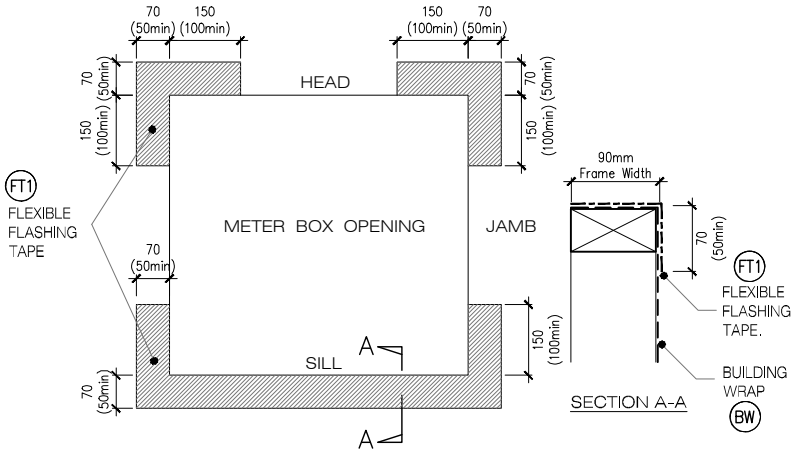
DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB32	0



M4 BB33 TYPICAL METER BOX OPENING (FLASHING TAPE

SCALE : N.T.S



M5 BB33 FLEXIBLE BUILDING WRAP AT OPENING

SCALE : 1 / 5 @ A1, 1 / 10 @ A3

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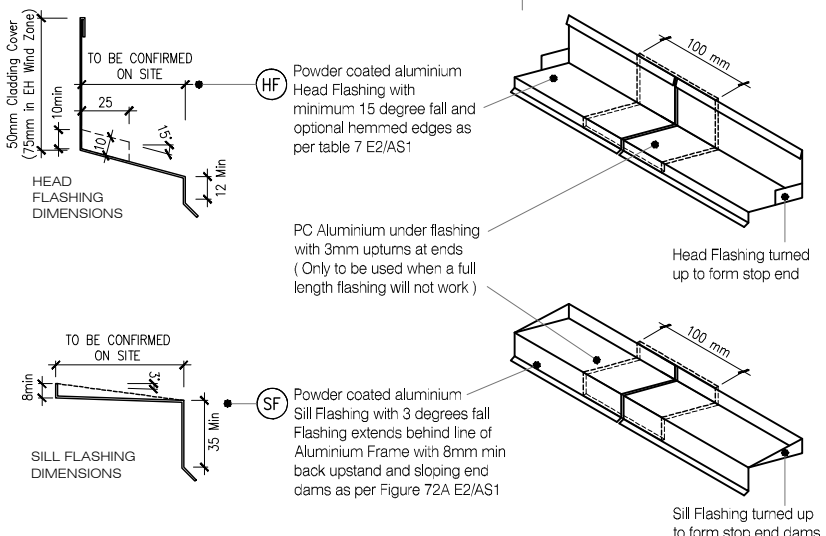


M6 BB33 TYPICAL HEAD & SILL FLASHINGS

SCALE : 1 / 2 @ A1, 1 / 4 @ A3

CAD REF : KLC DF BB30-35 - METER BOX.dwg
DATE : 20/11/2018

Naturally Better

www.klc.co.nz

TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Meter Box - Flashing Details

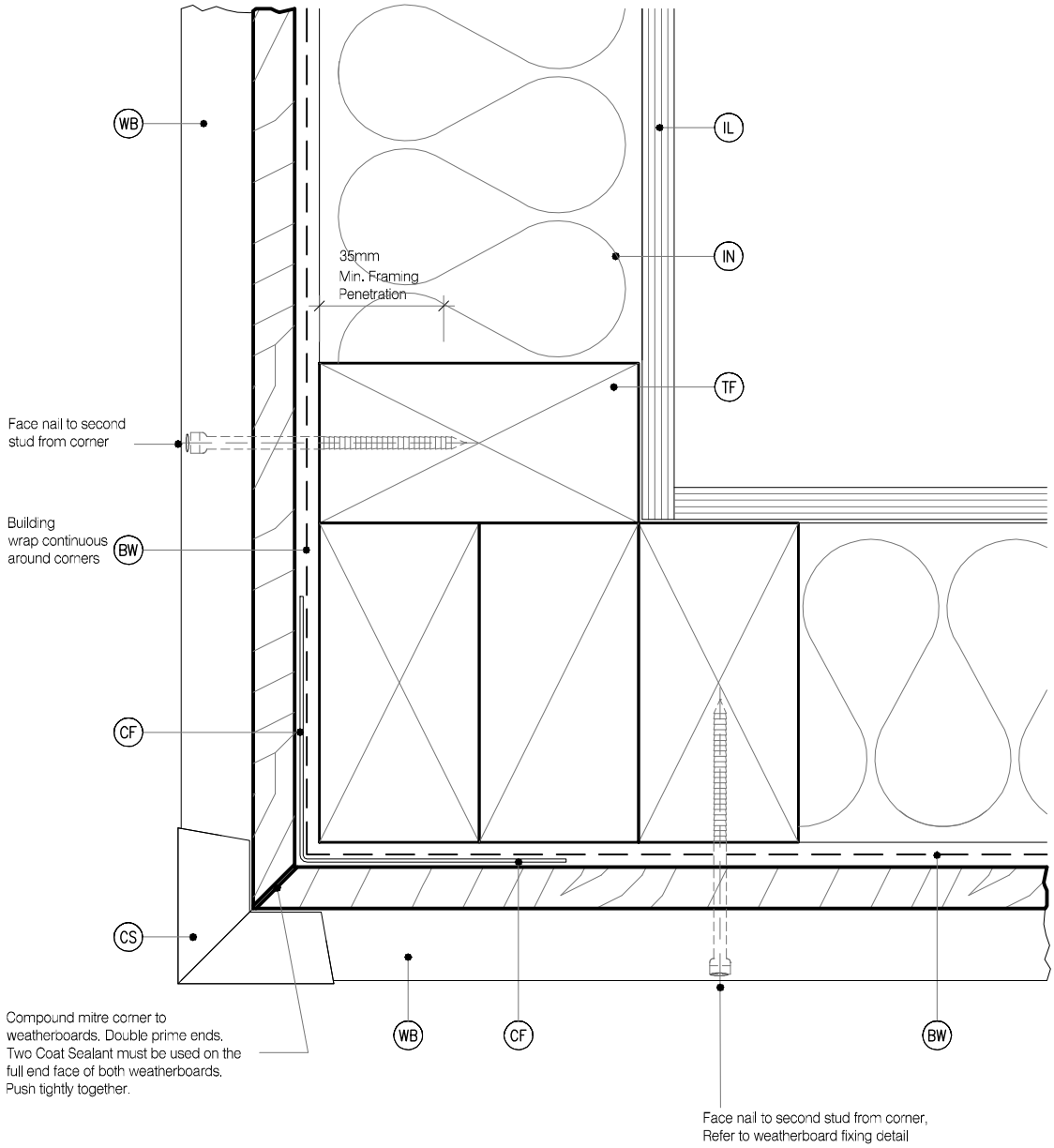
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:4 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB33	0

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (CS) CORNER SOAKER: With 15mm Min cover over weatherboards
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (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



MicoPro® Wood Treatment Technology

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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 alkyd (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).

TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME External Corner Soaker

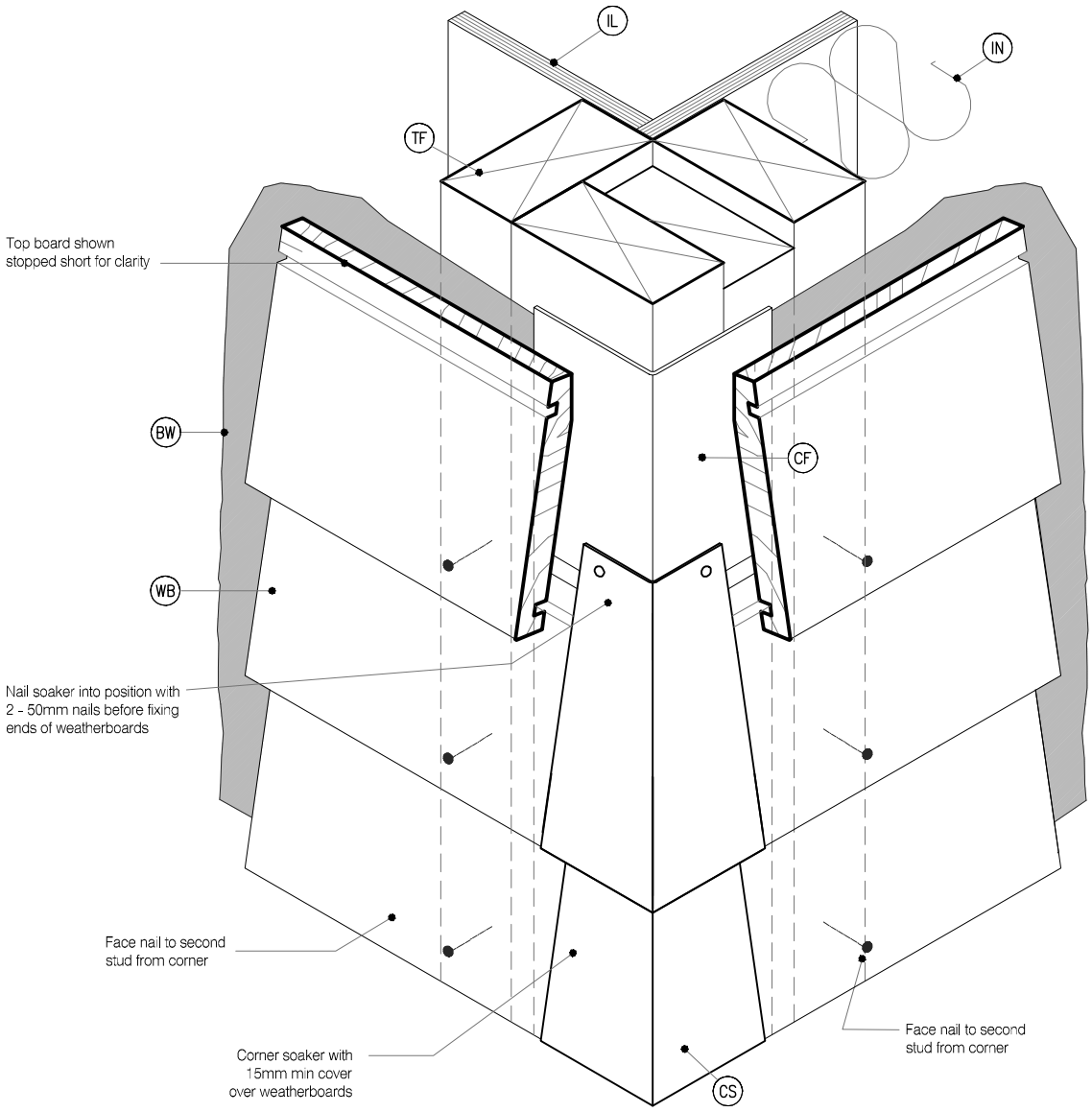
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB40	0

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (CS) CORNER SOAKER: With 15mm Min cover over weatherboards
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (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



Soaker material	Nail material
Copper	Copper or phosphor bronze
Aluminium	Hot dip galvanised
Stainless steel	Stainless steel

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CAD REF : KLC DF BB40-46 - GENERAL DETAILS 01.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME 3D - External Corner Soaker

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB41	0

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (CS) CORNER SOAKER: With 15mm Min cover over weatherboards
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3
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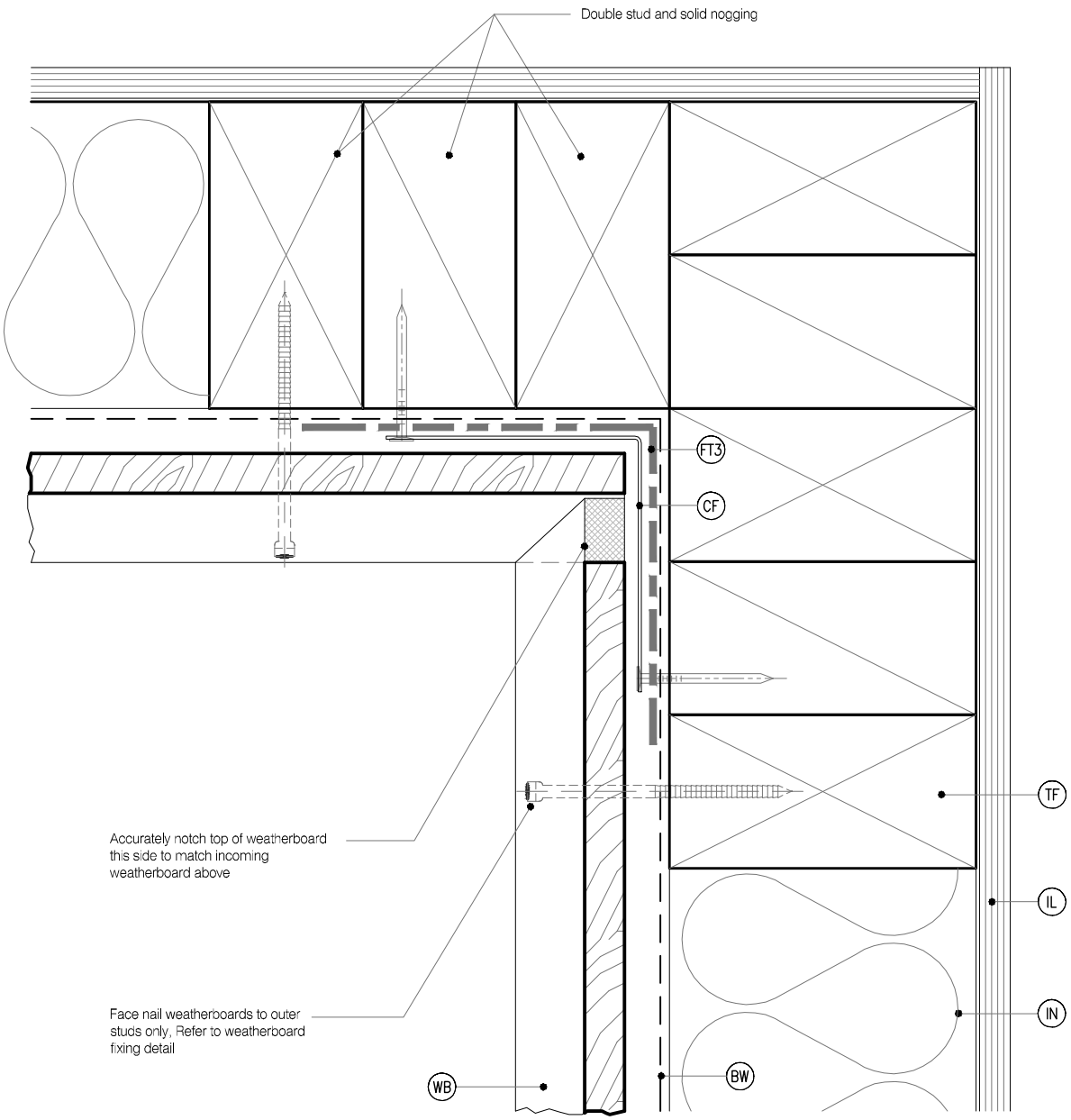
  75x75 NO, Hem or Hook Required
  EXTRA HIGH WIND ZONE
  100x100 Hem or Hook to Flashing Edges,
  Refer NZBC E2/AS1 4.5.1



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.

MicoPro® Wood Treatment Technology

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Internal Corner

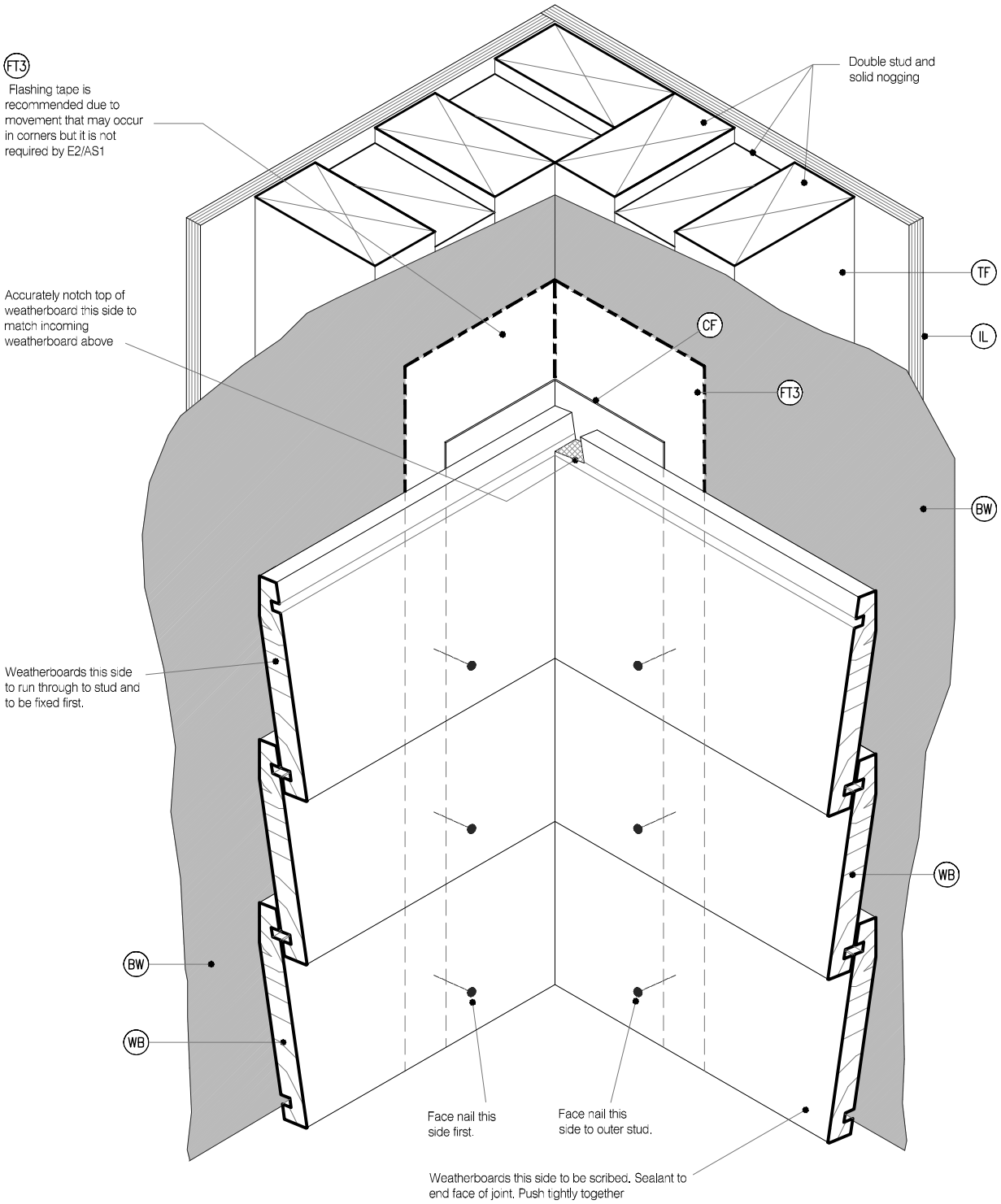
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB42	0

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (CS) CORNER SOAKER: With 15mm Min cover over weatherboards
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (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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CAD REF : KLC DF BB40-46 - GENERAL DETAILS 01.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME 3D - Internal Corner

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB43	0

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (CS) CORNER SOAKER: With 15mm Min cover over weatherboards
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3
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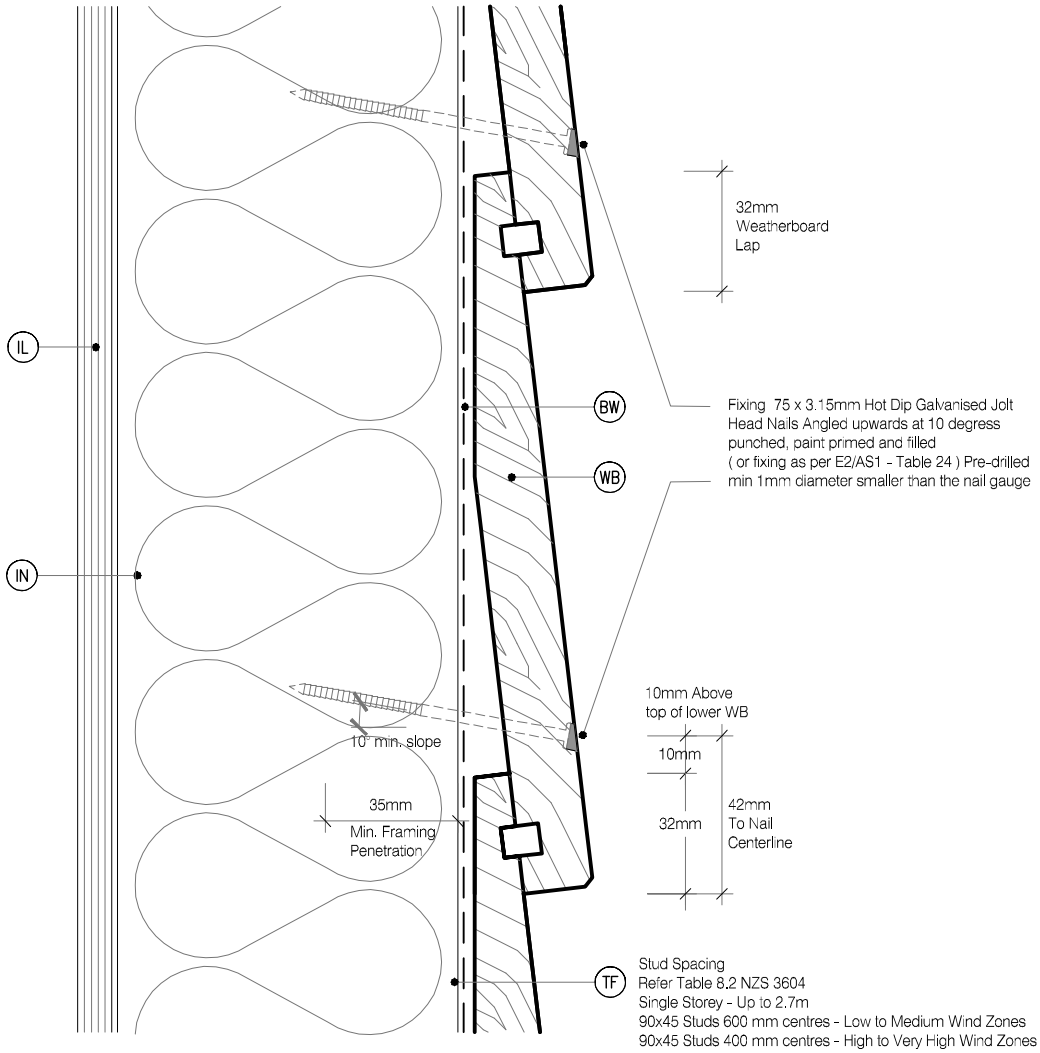
  75x75 NO, Hem or Hook Required
  EXTRA HIGH WIND ZONE
  100x100 Hem or Hook to Flashing Edges,
  Refer NZBC E2/AS1 4.5.1



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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Weatherboard Fixing

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB44	0

CAD REF : KLC DF BB40-46 - GENERAL DETAILS 01.dwg
DATE : 20/11/2018

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (CS) CORNER SOAKER: With 15mm Min cover over weatherboards
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (IN) INSULATION: Selected Insulation
- (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
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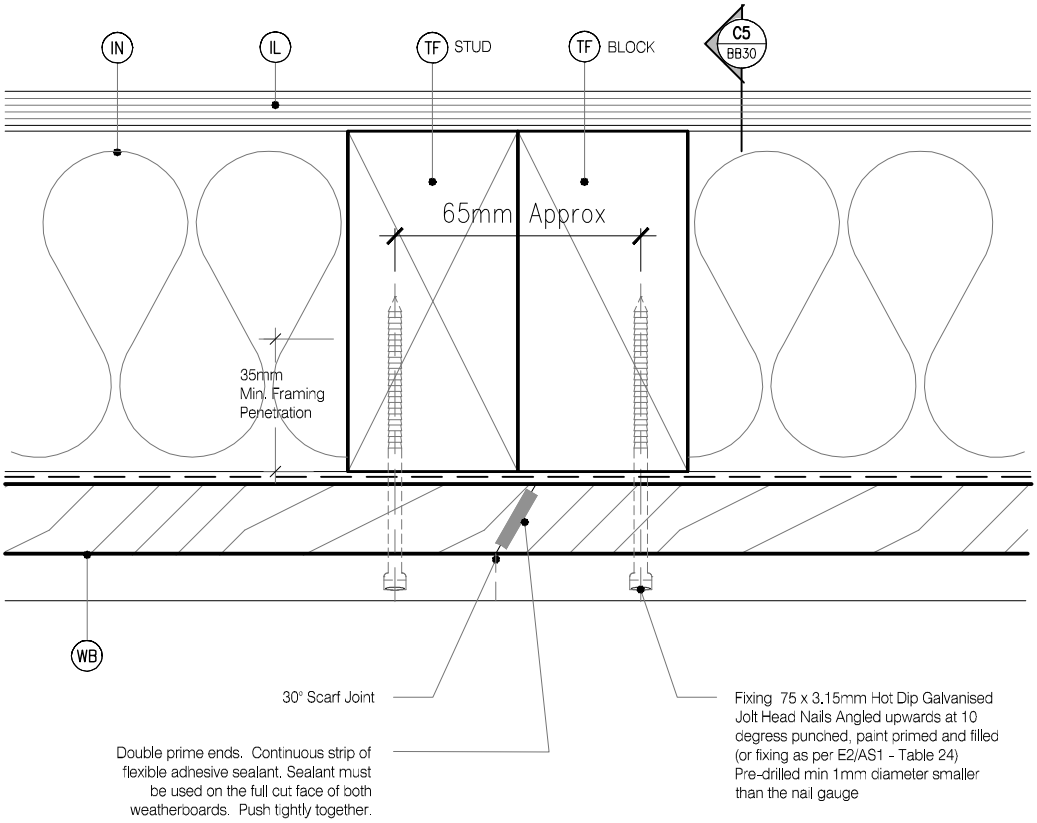

When joining weatherboards a 30 ° Scarf joint is to be used. This joint must face away from the prevailing weather.
Alternatively a corrosion resistant soaker can be used, refer to E2/AS1 - 9.4.4.2 & Soakers materials to 4.32 to Paragraph 4.3.8

MicoPro® Wood Treatment Technology

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CAD REF : KLC DF BB40-46 - GENERAL DETAILS 01.dwg
DATE : 20/11/2018

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DETAILS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE

TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Scarf Joint - Horizontal

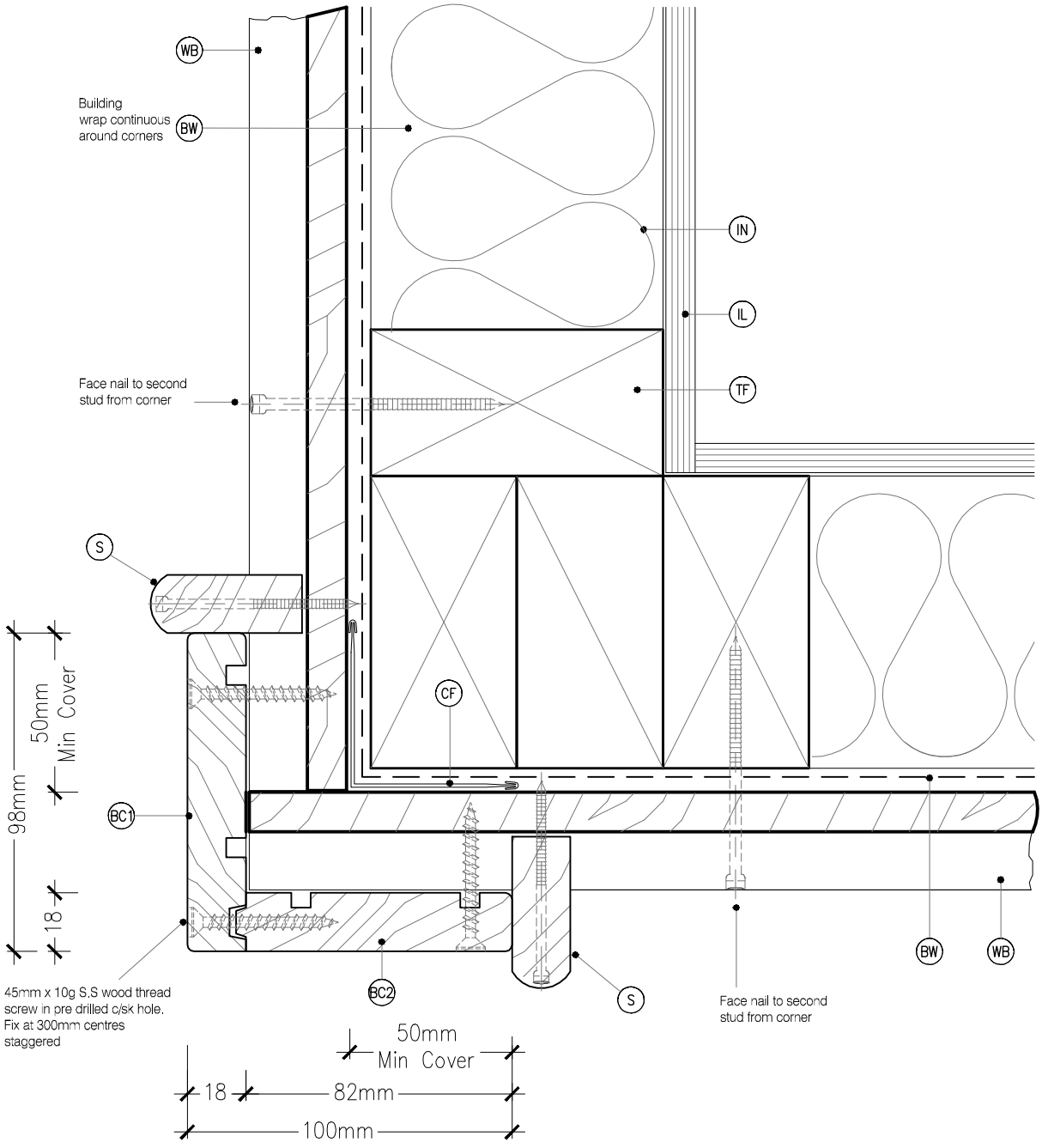
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB45	0

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, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11
- (FT4) FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68
- (IN) INSULATION: Selected Insulation
- (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
- (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
- (S) SCRIBER: KLC Generation II, MicroPro H3.2 (10mm wide min) profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole.
  40x18 or 65x18 depending on weatherboard size



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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME External Boxed Corner

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB50	0

CAD REF : KLC DF BB50-56 - GENERAL DETAILS 02.dwg
DATE : 20/11/2018

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, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
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- (IN) INSULATION: Selected Insulation
- (BC1) BOXED CORNER COVER : 98x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners
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  75x75 NO, Hem or Hook Required
  EXTRA HIGH WIND ZONE
  100x100 Hem or Hook to Flashing Edges,
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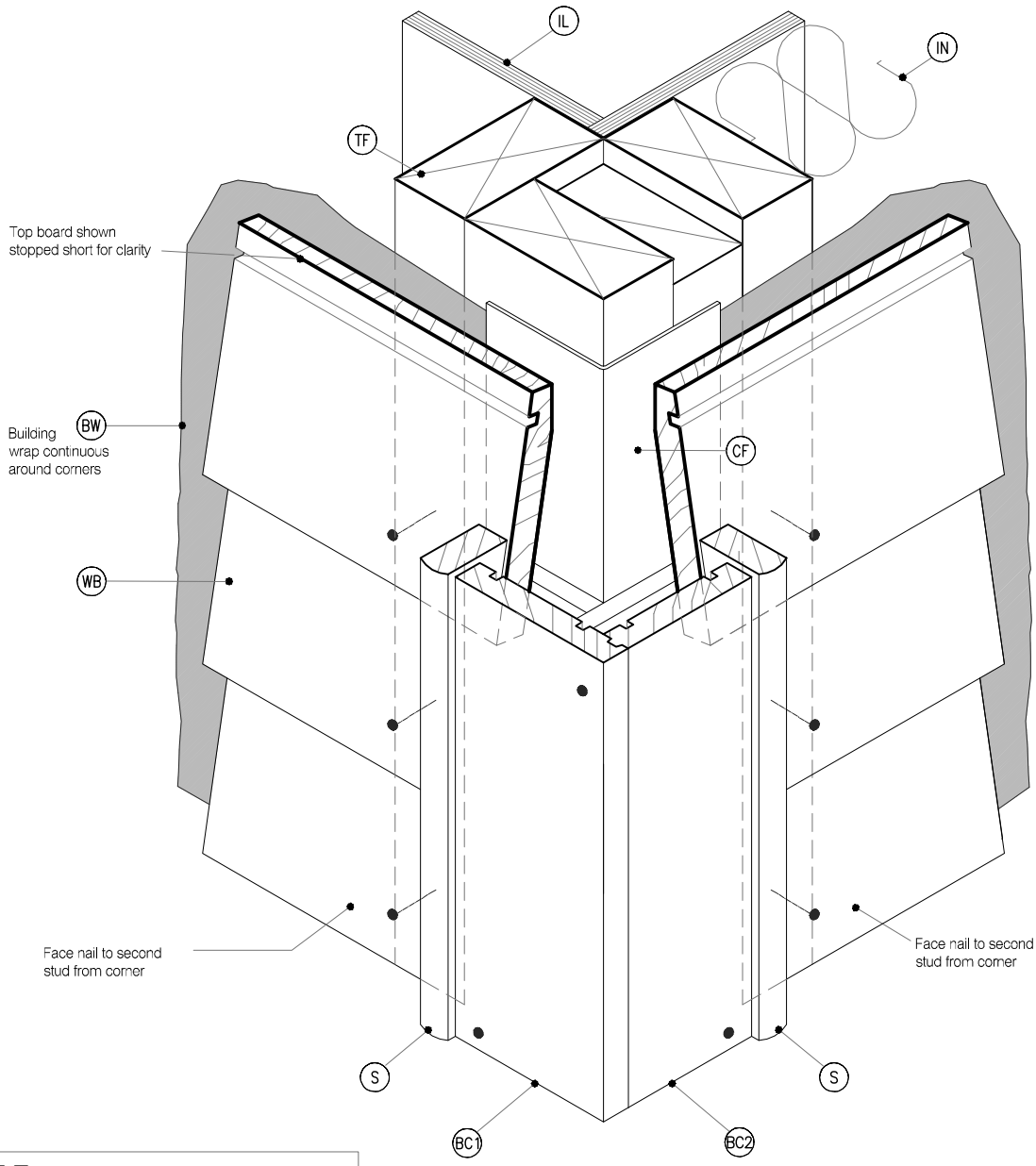
- (S) SCRIBER: KLC Generation II, MicroPro H3.2 (10mm wide min) profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole.
  40x18 or 65x18 depending on weatherboard size



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

MicoPro® Wood Treatment Technology

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CAD REF : KLC DF BB50-56 - GENERAL DETAILS 02.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME 3D - External Boxed Corner

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB51	0

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, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
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- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3
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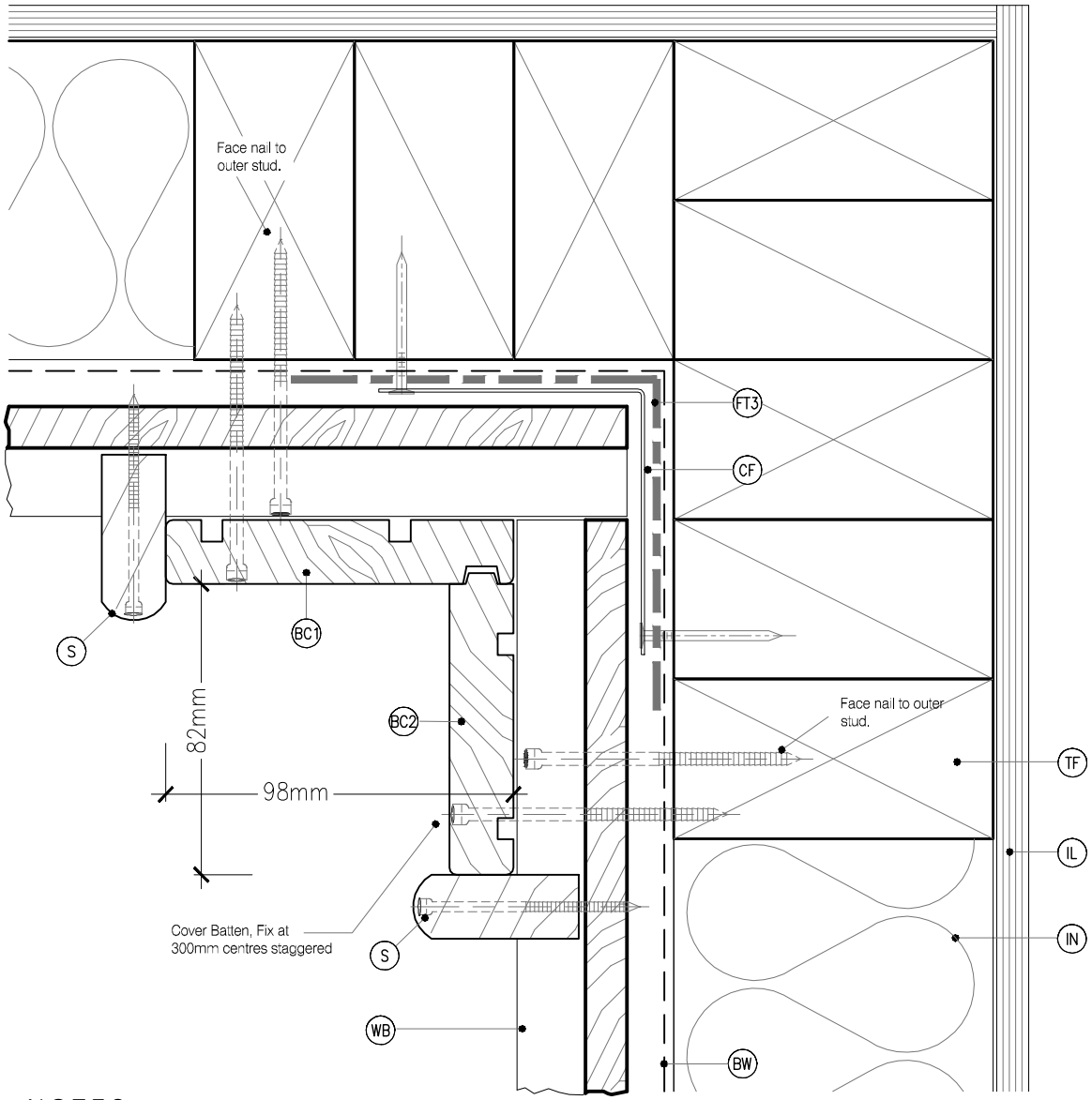
  75x75 NO, Hem or Hook Required
  EXTRA HIGH WIND ZONE
  100x100 Hem or Hook to Flashing Edges,
  Refer NZBC E2/AS1 4.5.1
- (S) SCRIBER: KLC Generation II, MicroPro H3.2 (10mm wide min) profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole.
  40x18 or 65x18 depending on weatherboard size



DETAIL NOTES :

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

MicoPro® 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 alkyd (oil based) primer
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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).

Naturally Better

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Internal Boxed Corner

CODEMARK™ AQ-020216-CMNZ

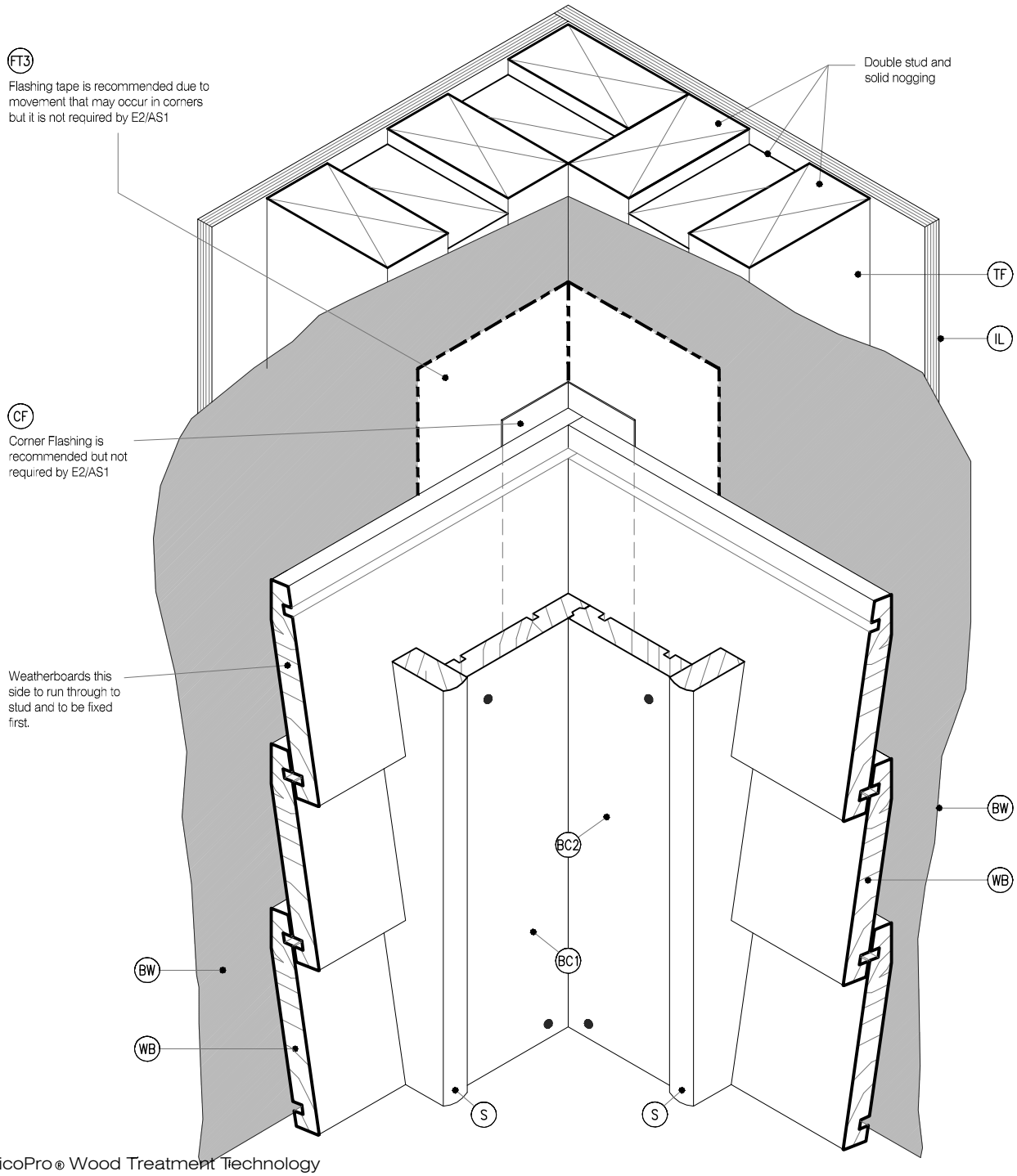
DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB52	0

CAD REF : KLC DF BB50-56 - GENERAL DETAILS 02.dwg
DATE : 20/11/2018

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, Ridgid Underlay required (9.1.7.2 E2/AS1)
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (FT3) FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11
- (FT4) FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68
- (IN) INSULATION: Selected Insulation
- (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
- (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
- (S) SCRIBER: KLC Generation II, MicroPro H3.2 (10mm wide min) profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole.
  40x18 or 65x18 depending on weatherboard size



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CAD REF : KLC DF BB50-56 - GENERAL DETAILS 02.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME 3D - Internal Boxed Corner

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB53	0

LEGEND:

- (PEF) PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
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- (BW) 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)
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
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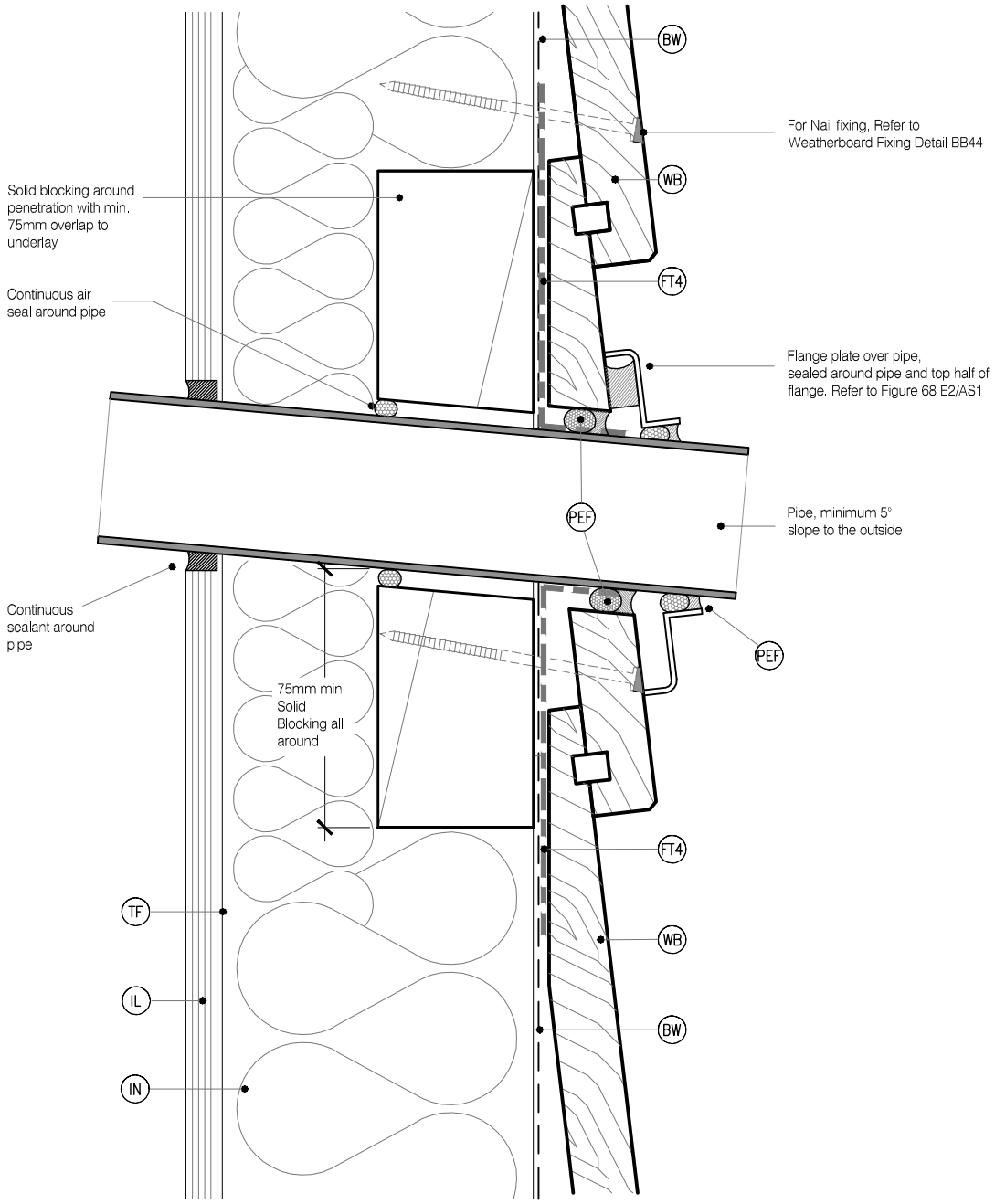
- (CF) CORNER FLASHING: Aluminium, PVC or Stainless Steel corner flashing. Refer NZBC E2/AS1 4.3 50x50 Hem or Hook to Flashing Edges 75x75 NO, Hem or Hook Required EXTRA HIGH WIND ZONE 100x100 Hem or Hook to Flashing Edges, Refer NZBC E2/AS1 4.5.1
- (S) SCRIBER: KLC Generation II, MicroPro H3.2 (10mm wide min) profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole. 40x18 or 65x18 depending on weatherboard size



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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Pipe Penetration

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB54	0

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, Ridgid Underlay required (9.1.7.2 E2/AS1)
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- (BC2) BOXED CORNER COVER: 85x18 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
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  EXTRA HIGH WIND ZONE
  100x100 Hem or Hook to Flashing Edges,
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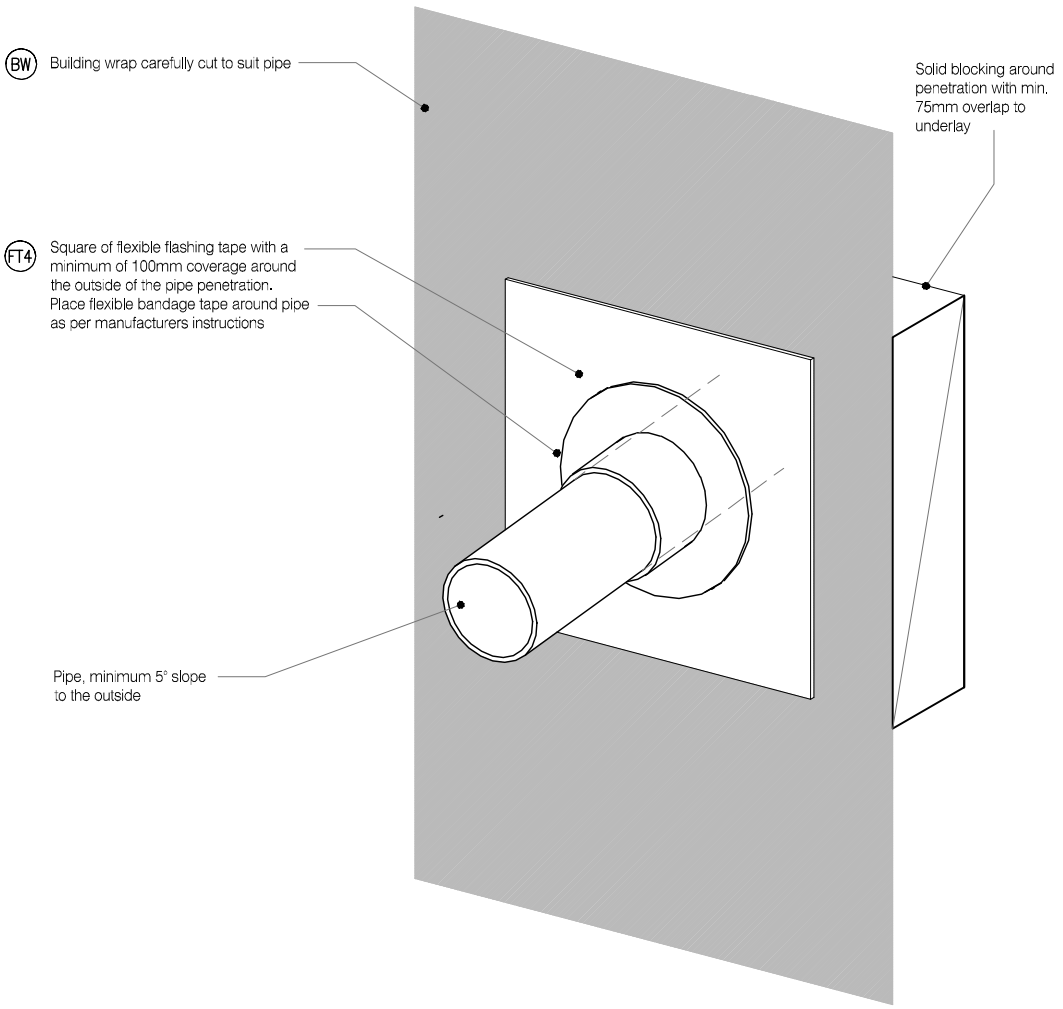
- (S) SCRIBER: KLC Generation II, MicroPro H3.2 (10mm wide min) profile cut to fit weatherboard, sealant to back of scriber and 75 x 3.15mm Galvanised nail in 3mm predrilled hole.
  40x18 or 65x18 depending on weatherboard size



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CAD REF : KLC DF BB50-56 - GENERAL DETAILS 02.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME 3D - Pipe Penetration

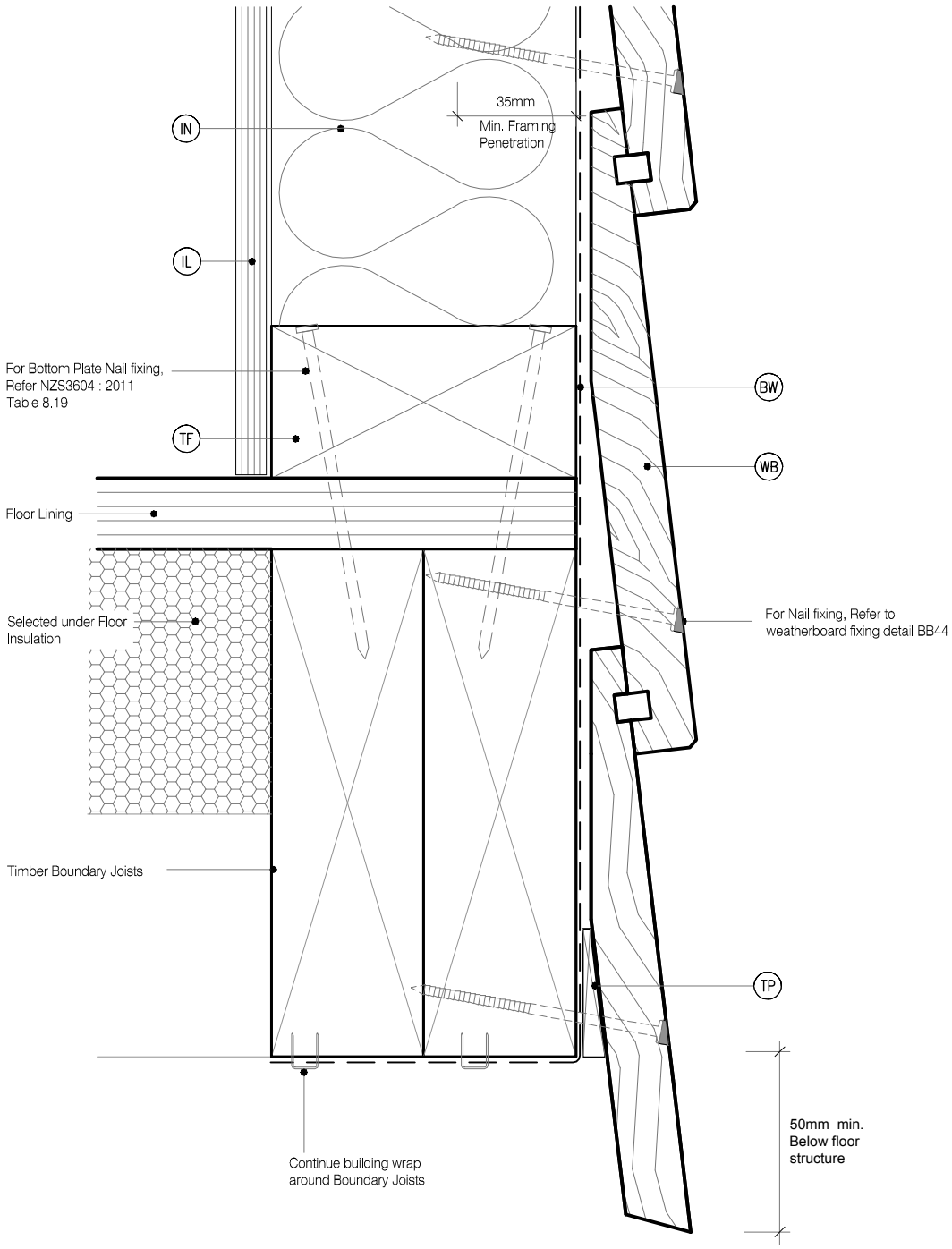
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB55	0

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (MR) METAL ROOFING : Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (SL) SOFFIT LINING: As Selected (Typicaly 7.5mm Hardies Soffit Liner)
- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 3mm 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



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CAD REF : KLC DF BB60-66 - GENERAL DETAILS 03.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Base of Wall, Timber

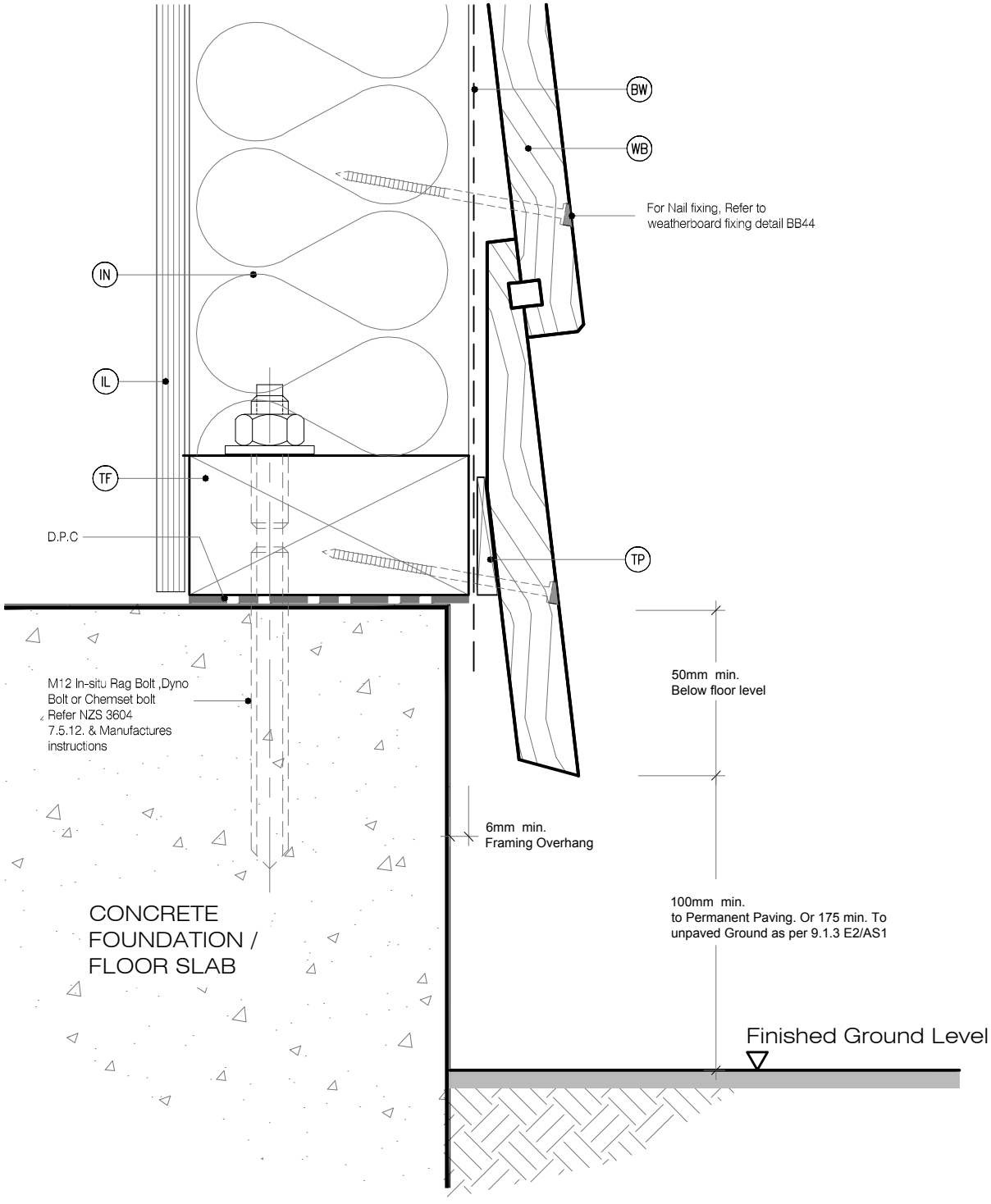
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB60	0

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (MR) METAL ROOFING : Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (SL) SOFFIT LINING: As Selected (Typicaly 7.5mm Hardies Soffit Liner)
- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 3mm 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



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CAD REF : KLC DF BB60-66 - GENERAL DETAILS 03.dwg
DATE : 20/11/2018

Naturally Better

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Base of Wall, Concrete

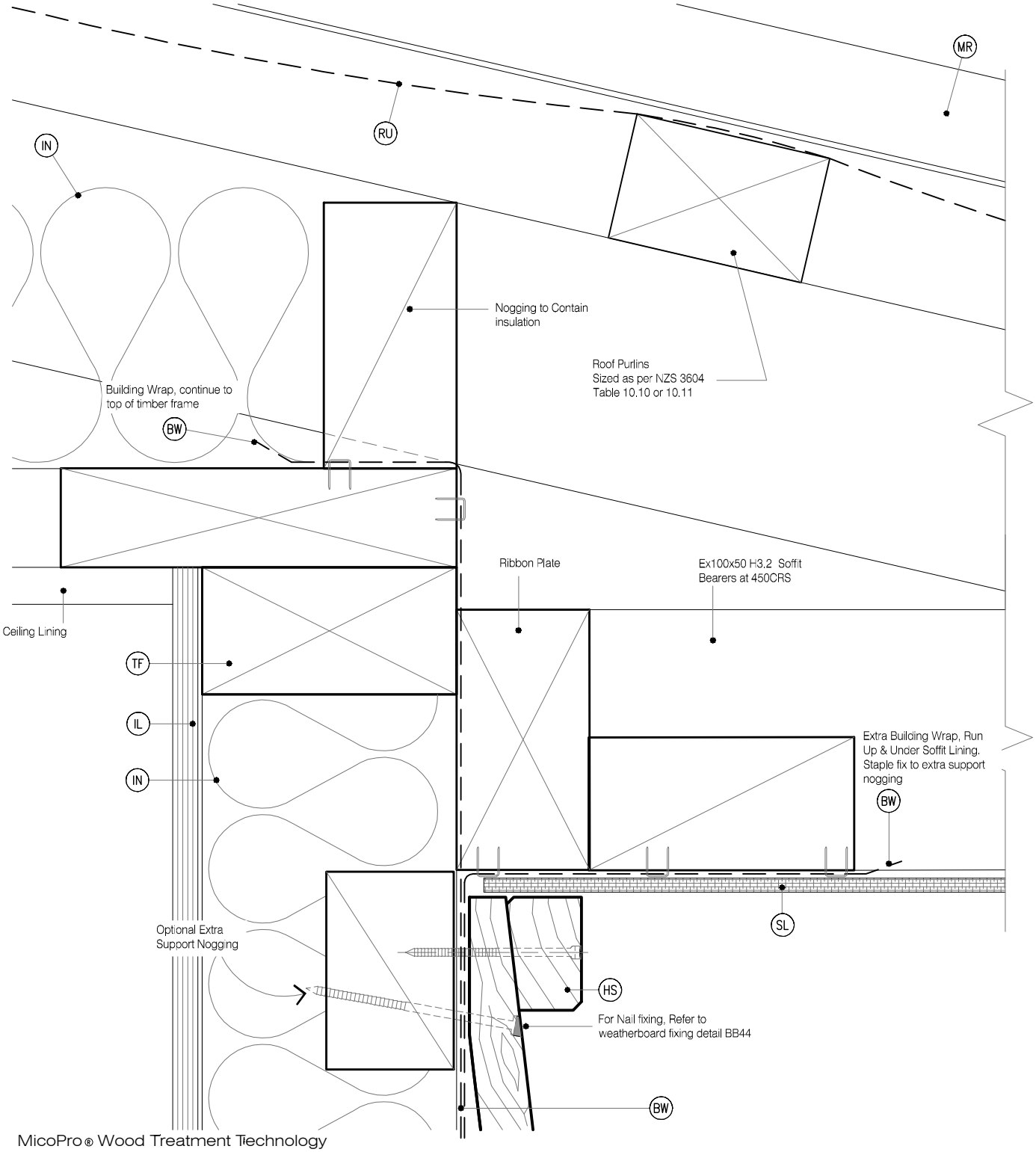
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB61	0

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (MR) METAL ROOFING : Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (SL) SOFFIT LINING: As Selected (Typicaly 7.5mm Hardies Soffit Liner)
- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 3mm 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



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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Soffit Detail at Wall

CODEMARK™ AQ-020216-CMNZ

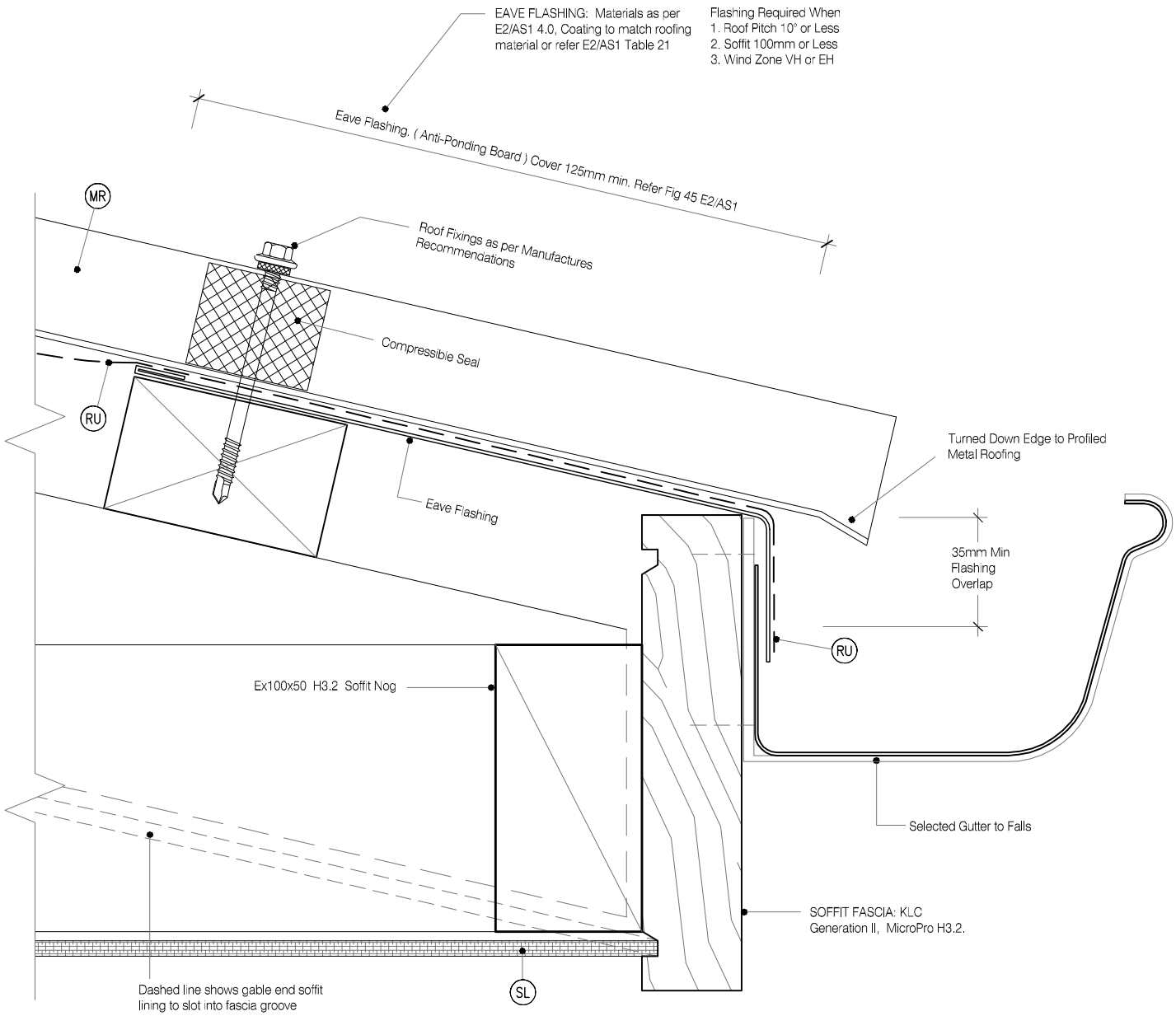
DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB62	0

CAD REF : KLC DF BB60-66 - GENERAL DETAILS 03.dwg
DATE : 20/11/2018

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (MR) METAL ROOFING : Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (SL) SOFFIT LINING: As Selected (Typicaly 7.5mm Hardies Soffit Liner)
- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 3mm 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



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CAD REF : KLC DF BB60-66 - GENERAL DETAILS 03.dwg
DATE : 20/11/2018

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Soffit Detail at Fascia

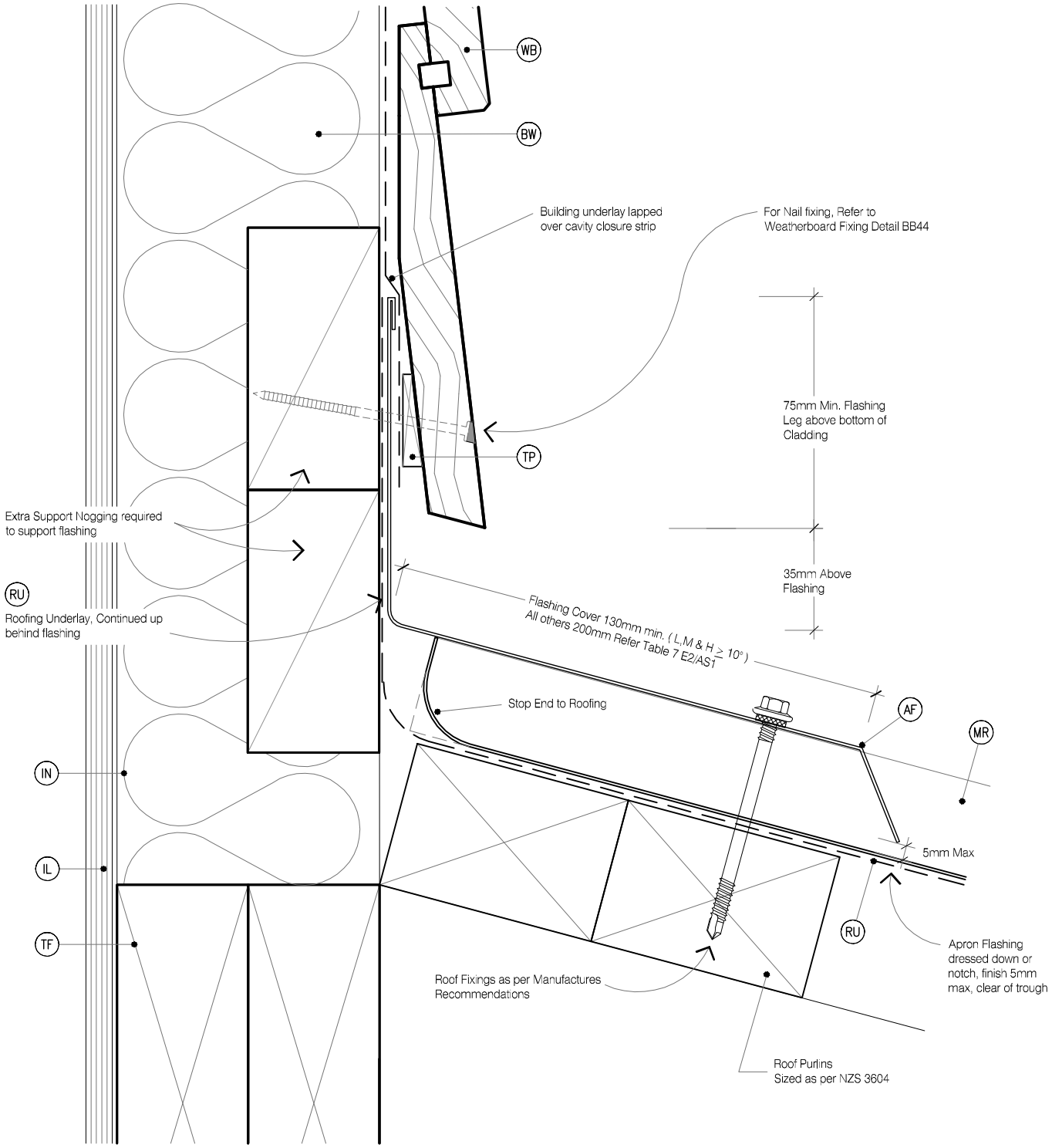
CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB63	0

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (MR) METAL ROOFING : Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (SL) SOFFIT LINING: As Selected (Typicaly 7.5mm Hardies Soffit Liner)
- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 3mm 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°) All others 200mm Refer Table 7 E2/AS1



MicoPro® 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 alkyd (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.
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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Apron Flashing - Roof to Wall Junction

CODEMARK™ AQ-020216-CMNZ

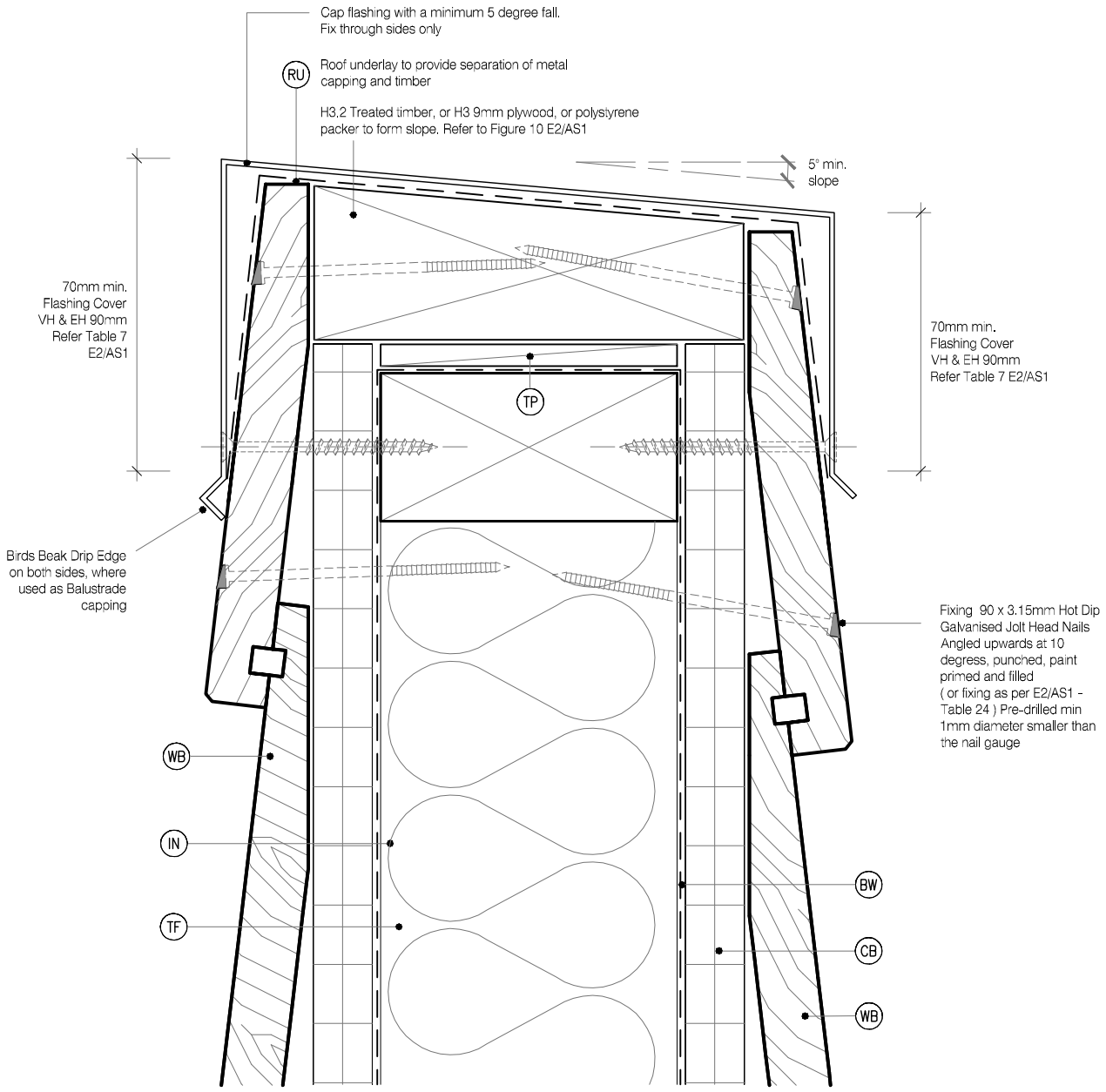
DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB64	0

CAD REF : KLC DF BB60-66 - GENERAL DETAILS 03.dwg
DATE : 20/11/2018

LEGEND:

- (IL) INTERNAL LINING: Selected Internal Lining
- (BW) 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)
- (IN) INSULATION: Selected Insulation
- (TF) TIMBER FRAME: H1.2 min treated timber framing
- (TP) TIMBER PACKER: Cant Strip, MicroPro H3.2 Treated
- (WB) WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617
- (MR) METAL ROOFING : Selected Metal Roofing
- (RU) ROOFING UNDERLAY: Selected Roofing Underlay As Per AS/AZS4200 with Mesh or Self Supported
- (SL) SOFFIT LINING: As Selected (Typicaly 7.5mm Hardies Soffit Liner)
- (HS) HEAD SOFFIT SCRIBER: KLC Generation II, MicroPro H3.2. Fix with 75 x 3.15mm Galvanised nail in 3mm 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
- (CB) CAVITY BATTEN: 45x20 KLC Generation II, MicroPro H3.2 FJ Cavity Batten to form a 20mm cavity



E2/AS1 Section 6.0 PARAPETS
Parapets require a drained cavity for claddings

E2/AS1 Section 7.4 ENCLOSED BALUSTRADE
Enclosed balustrades require a drained cavity for claddings

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TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Direct Fix

NAME Balustrade Capping or Parapet Detail

CODEMARK™ AQ-020216-CMNZ

DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
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