

ARCHITECTURAL DRAWINGS

ISSUE DATE : 20.11.2018

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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
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A3/A1 Architectural Details - INDEX

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KLC DF BB15	WINDOW DETAILS - Head, Sill & Jamb - Aluminium Joinery
KLC DF BB25	DOOR DETAILS - Head, Sill & Jamb - Aluminium Joinery
KLC DF BB35	METER BOX DETAILS - Head, Sill & Jamb
KLC DF BB46	GENERAL DETAILS 01 - External & Internal Corner Details
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KLC DF BB66	GENERAL DETAILS 03 - Base and Roof to Wall & Soffit Details

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 flashings 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 :

- The AutoCAD drawings have all the Xref,s embedded as blocks.
Erase the title block and Xref in your own title block.
- 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.
- 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.
- 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
- 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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KLC Ltd and its Agent AIPdesignNZ Ltd have no reason to believe the information in the details are inaccurate.
KLC Ltd and its Agent AIPdesignNZ Ltd does not warrant the accuracy, adequacy or completeness of such information and we do not undertake to keep the information in the details updated.

KLC Ltd and its Agent AIPdesignNZ Ltd DOES NOT :

- Give any assurances that the details and information will be suitable for your purposes, and you agree that you will not rely on the information and you will make your own independent assessments (with the aid of qualified independent advice)
- 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.

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



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



VERSION V1 01/03/2018



www.klc.co.nz

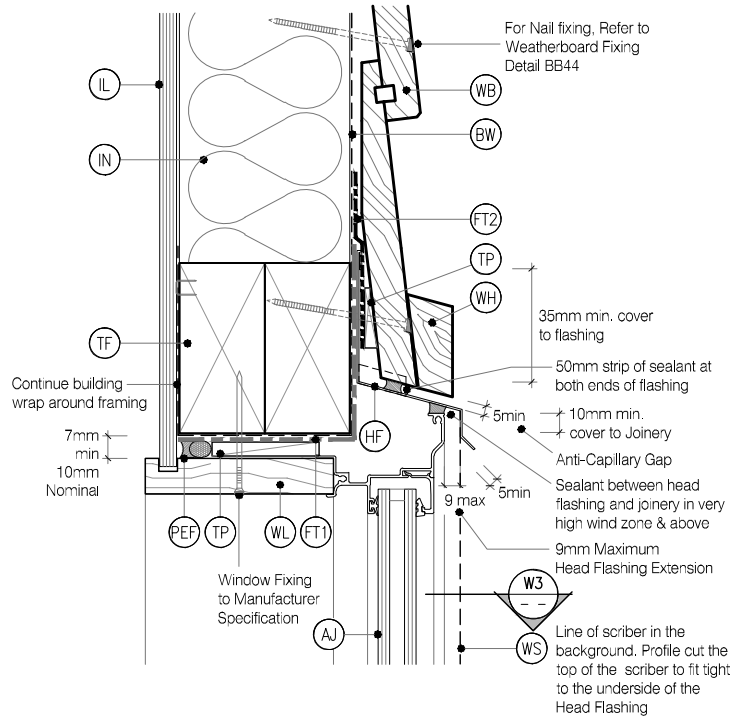
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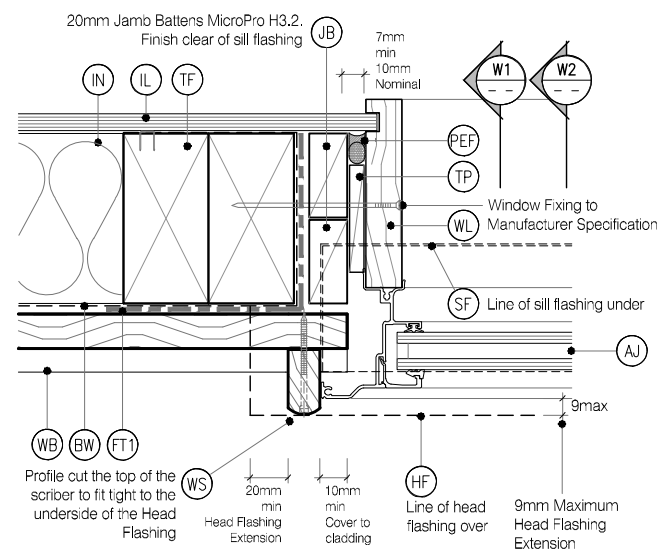
A.I.PdesignNZ

Architectural Design
Interior Design
Product Design

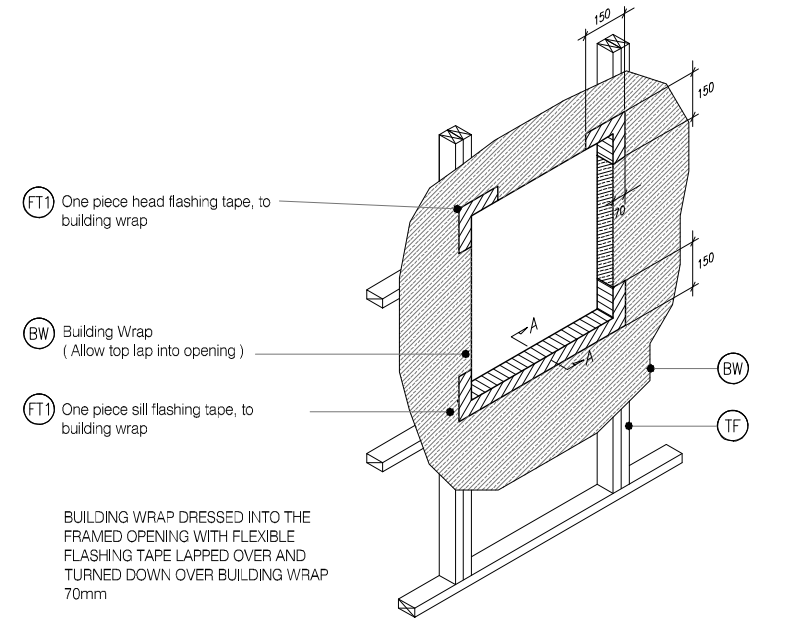
PO BOX 80169
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p : 64 9 817 9911
m : 027 287 3602
w : AIPdesignNZ.com
e : AIPdesignNZ@xtra.co.nz



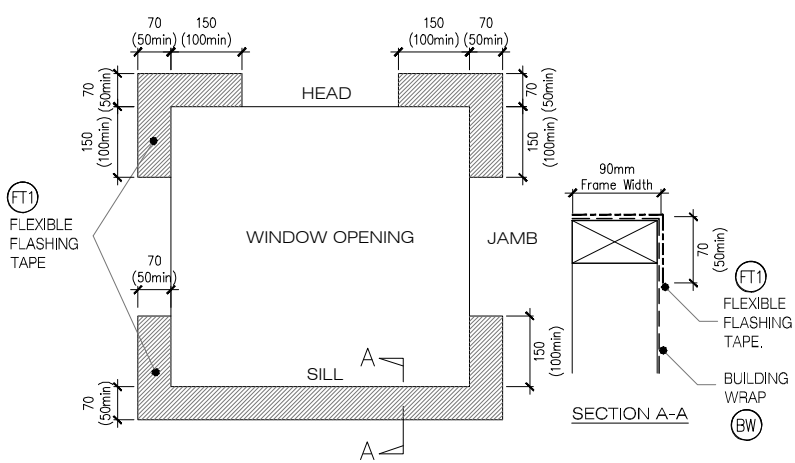
W1 WINDOW HEAD - Bevel Back WB
BB10 Direct Fix - Aluminium Joinery - Double Glazing
SCALE 1:2 @ A1, 1:4 @ A3



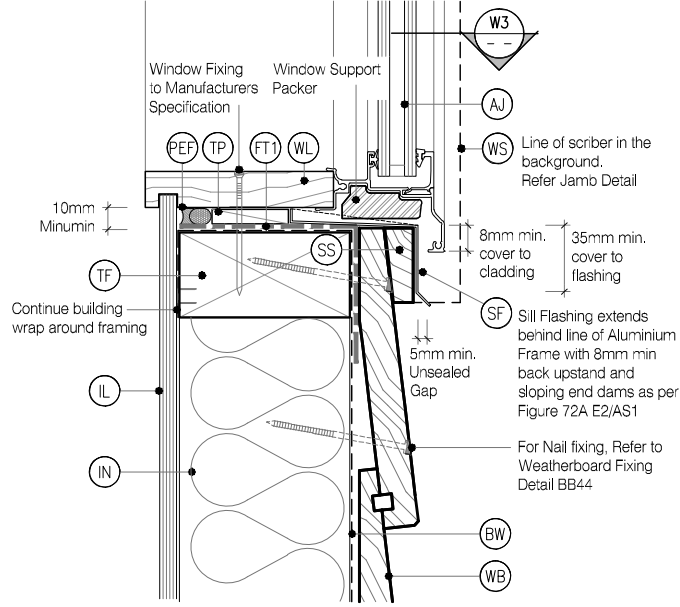
W3 WINDOW JAMB - Bevel Back WB
BB12 Direct Fix - Aluminium Joinery - Double Glazing
SCALE 1:2 @ A1, 1:4 @ A3



W4 TYPICAL WINDOW OPENING (FLASHING TAPE)
BB13 SCALE : N.T.S



W5 FLEXIBLE BUILDING WRAP AT OPENING
BB13 SCALE : 1 / 5 @ A1, 1 / 10 @ A3



W2 WINDOW SILL - Bevel Back WB
BB11 Direct Fix - Aluminium Joinery - Double Glazing
SCALE 1:2 @ A1, 1:4 @ A3

LEGEND :

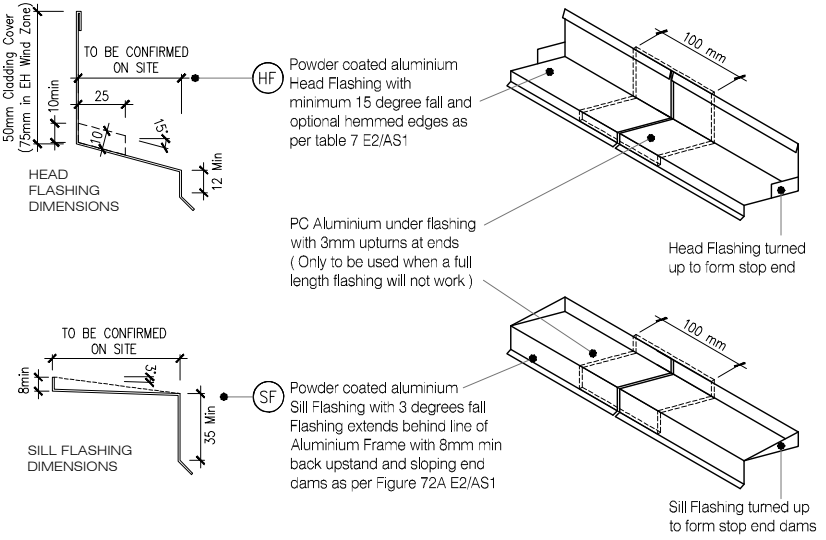
- PEF** PEF BACKING: Foam backing rod with sealant to cavity in Window perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)
- AJ** ALUMINIUM JOINERY: Selected double glazed aluminium joinery
- IL** INTERNAL LINING: Selected Internal Lining
- BW** BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid 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

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 NZS3617:2003 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).

HOW TO DETERMINE THE TIMBER WEATHERBOARD STRUCTURE :

1. Establish the " RISK " (Section 3.1 & Figure 1 E2/AS1)	6. FROM TABLE 3 E2/AS1	
2. Definition of Risk Levels (Section 3.1.1 & Table 1 E2/AS1)	RISK SCORE	DIRECT FIX
3. Building Envelope Risk Score (Section 3.1.2 & Table 2 E2/AS1)	0 - 6	Timber Weather Boards (All Types) (Not Required)
4. Suitable Wall Claddings (Table 3 E2/AS1)	7 - 12	Bevel Back Timber WB Vertical Timber Board & Batten
5. The Architect / Designer are responsibility to confirm the RISK MATRIX, RISK SCORE & SUITABLE CLADDINGS	13 - 20	(Direct Fix NOT Allowed)
	20 +	(Redesign or Specific Design)
Table 3 E2/AS1 are the minimum requirements, For extra security, you can always upgrade to a higher specification.		



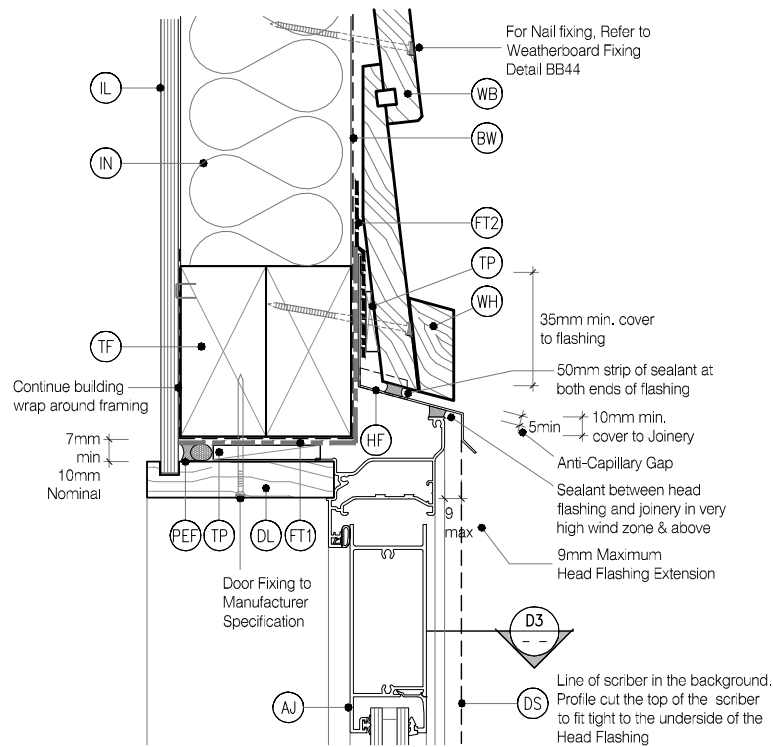
W6 TYPICAL HEAD & SILL FLASHINGS
BB13 SCALE : 1 / 2 @ A1, 1 / 4 @ A3

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

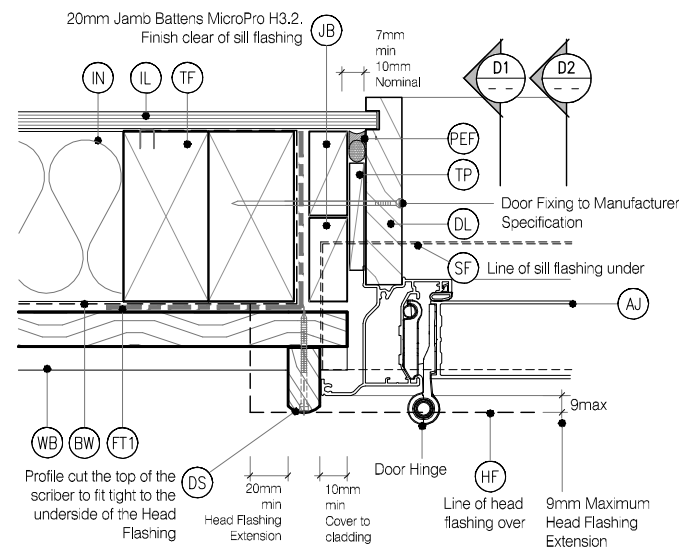
NAME **WINDOW DETAILS - Head, Sill & Jamb - Aluminium Joinery**



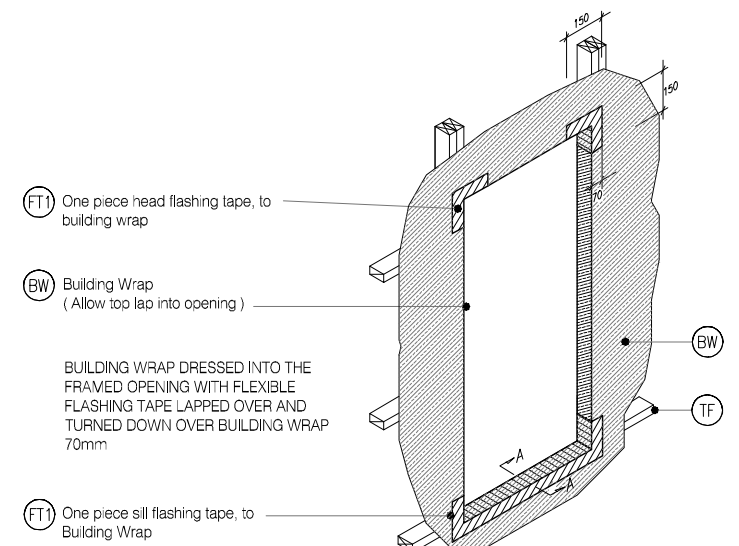
DRAWING SCALE	ISSUE DATE
1:2 @ A1 1:4 @ A3	20/11/2018
DRAWING No	REVISION
KLC DF BB15	0



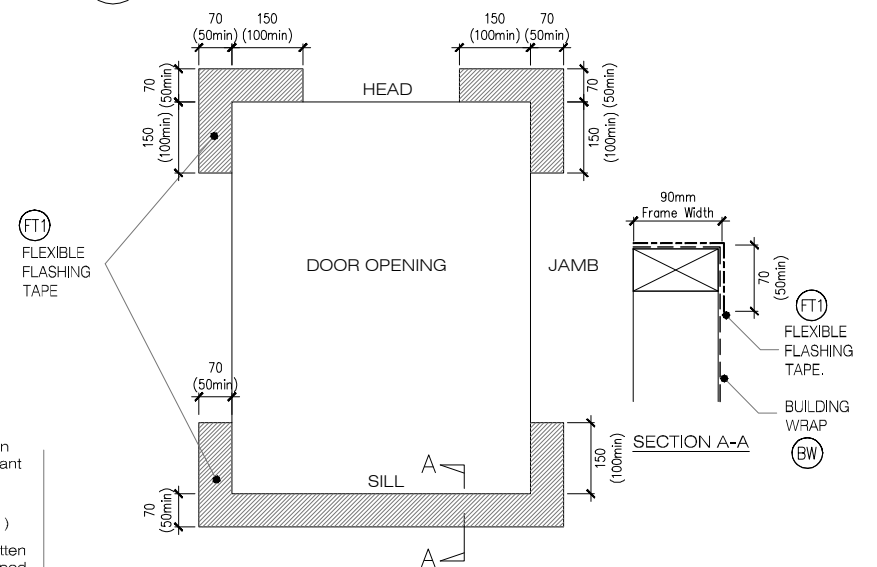
D1 DOOR HEAD - Bevel Back WB
BB20 Direct Fix - Aluminium Joinery - Double Glazing
SCALE 1:2 @ A1, 1:4 @ A3



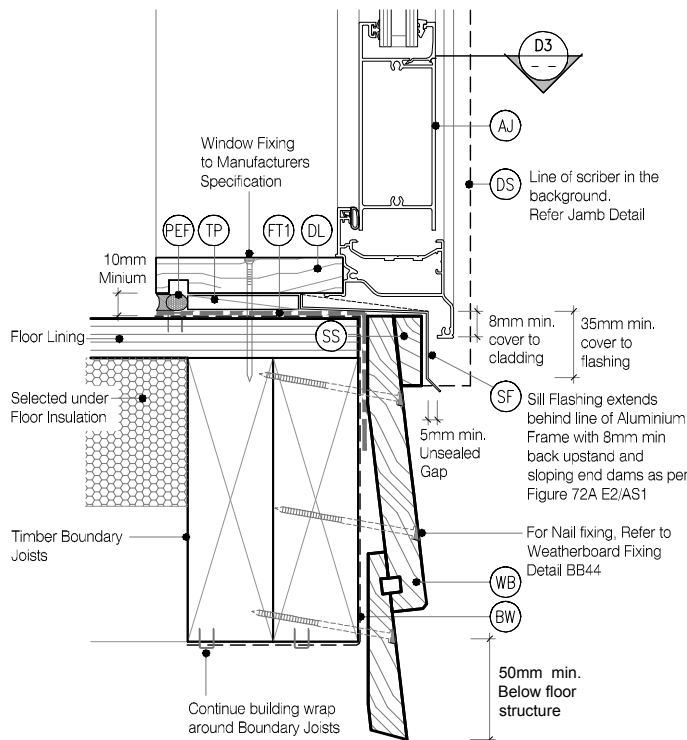
D3 DOOR JAMB - Bevel Back WB
BB22 Direct Fix - Aluminium Joinery - Double Glazing
SCALE 1:2 @ A1, 1:4 @ A3



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



D2 DOOR SILL - Bevel Back WB
BB21 Direct Fix - Aluminium Joinery - Double Glazing
SCALE 1:2 @ A1, 1:4 @ A3

LEGEND :

- PEF** PEF 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, Rigid 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
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TP 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

MicroPro® Wood Treatment Technology

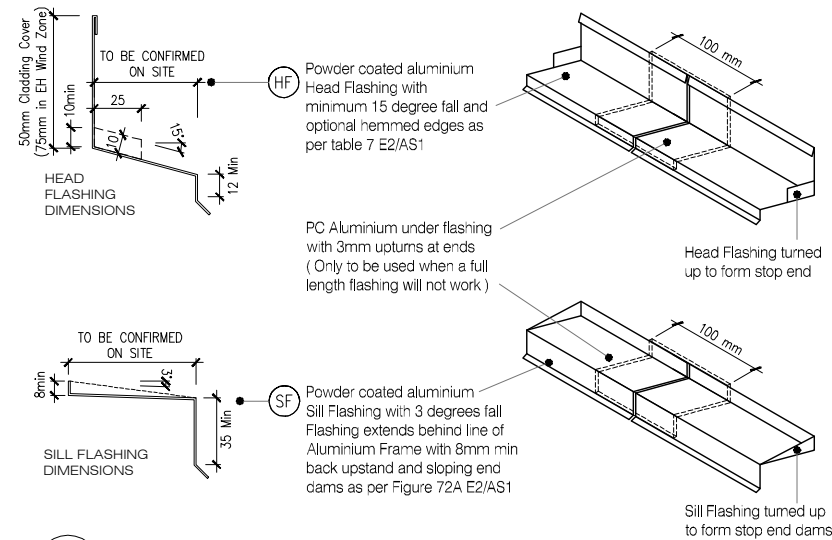
- KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 80% of wood treated in the US for domestic applications
- Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3640:2003 and AS1604.1:2012
- MicroPro 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® is the first wood treatment process to be EPP (Environmentally Preferable Product) certified by Scientific Certification Systems based on a life cycle assessment.
- 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 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).

HOW TO DETERMINE THE TIMBER WEATHERBOARD STRUCTURE :

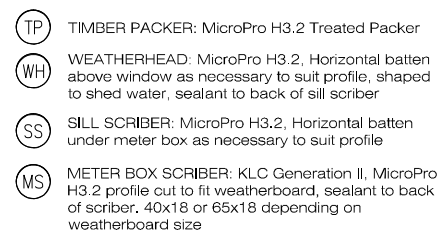
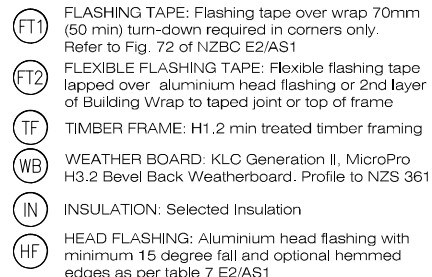
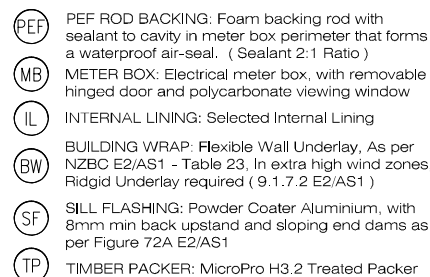
6. FROM TABLE 3 E2/AS1		
RISK SCORE	DIRECT FIX	20mm CAVITY FIX
0 - 6	Timber Weather Boards (All Types)	(Not Required)
7 - 12	Bevel Back Timber WB Vertical Timber Board & Batten	Rusticated WB
13 - 20	(Direct Fix NOT Allowed)	Rusticated WB B.B Timber WB
20 +	(Redesign or Specific Design)	

Table 3 E2/AS1 are the minimum requirements, For extra security, you can always upgrade to a higher specification.

NOTES:
Claddings in Extra High Wind Zones require:
a. Rigid underlays to (Paragraph 9.1.7.2 E2/AS1)
b. Drained Cavities to (Paragraph 9.1.8 E2/AS1)
c. Hooks and Hems on flashing upstands and additional 25mm height to (Paragraph 4.6 E2/AS1)



D6 TYPICAL HEAD & SILL FLASHINGS
BB23 SCALE : 1 / 2 @ A1, 1 / 4 @ A3



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 Galvanized 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).

1. Establish the "RISK" (Section 3.1 & Figure 1 E2/AS1)
2. Definition of Risk Levels (Section 3.1.1 & Table 1 E2/AS1)
3. Building Envelope Risk Score (Section 3.1.2 & Table 2 E2/AS1)
The RISK MATRIX defines the RISK SCORE
4. Suitable Wall Claddings (Table 3 E2/AS1)
5. The Architect / Designer are responsible to confirm the RISK MATRIX, RISK SCORE & SUITABLE CLADDINGS

NOTES:
Claddings in Extra High Wind Zones require:

- a. Rigid underlays to (Paragraph 9.1.7.2 E2/AS1)
- b. Drained Cavities to (Paragraph 9.1.8 E2/AS1)
- c. Hooks and Hems on flashing upstands and additional 25mm height to (Paragraph 4.6 E2/AS1)

6. FROM TABLE 3 E2/AS1		
<u>RISK SCORE</u>	<u>DIRECT FIX</u>	<u>20mm CAVITY FIX</u>
0 - 6	Timber Weather Boards (All Types)	(Not Required)
7 - 12	Bevel Back Timber WB Vertical Timber Board & Batten	Rusticated WB
13 - 20	(Direct Fix NOT Allowed)	Rusticated WB B.B Timber WB
20 +	(Redesign or Specific Design)	

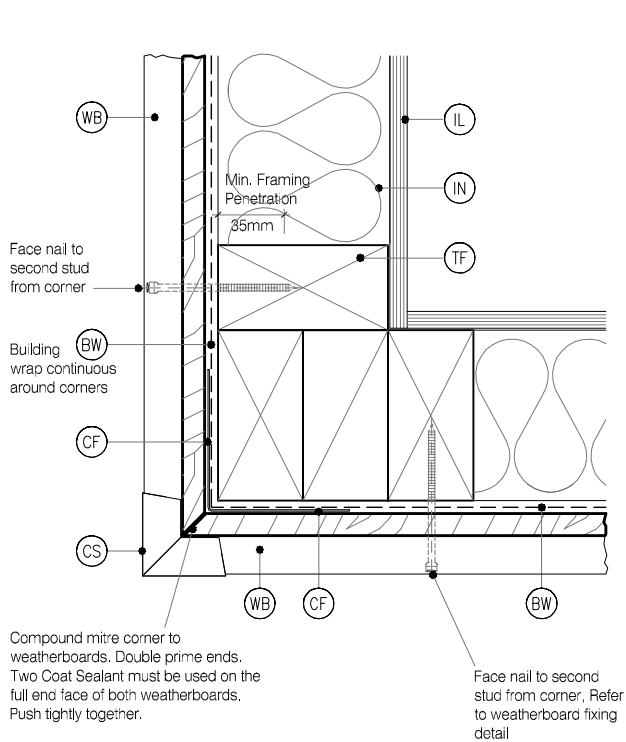
Table 3 E2/AS1 are the minimum requirements. For extra security, you can always upgrade to a higher specification.

NAME METER BOX DETAILS - Head, Sill & Jamb

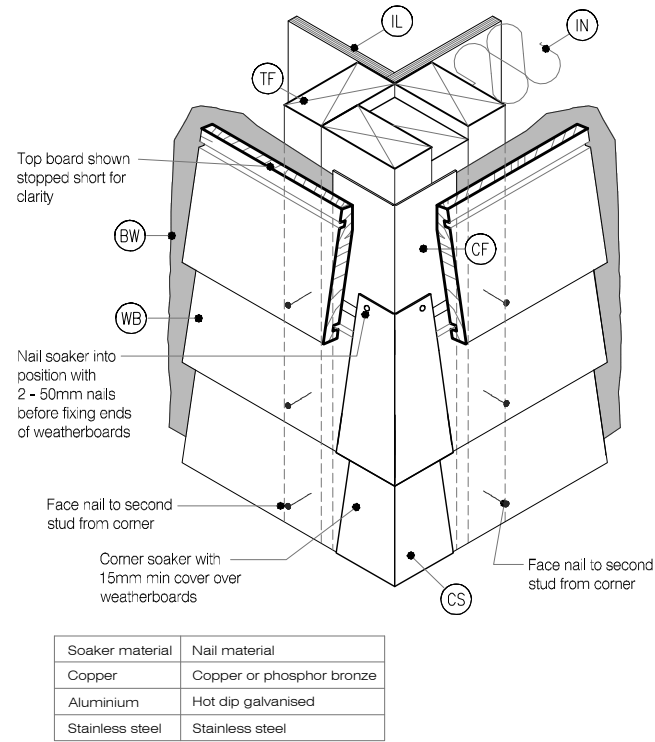


DRAWING SCALE	ISSUE DATE
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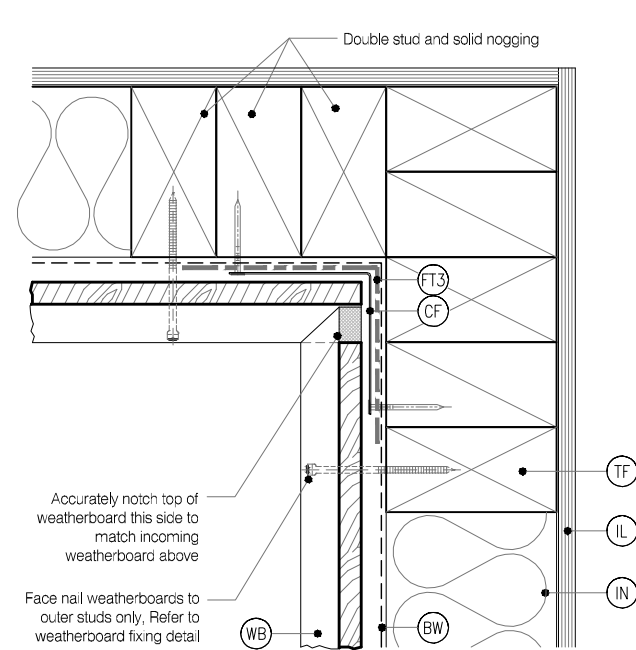
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KLC DE BR25	0



C1 EXTERNAL CORNER SOAKER
BB40 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3



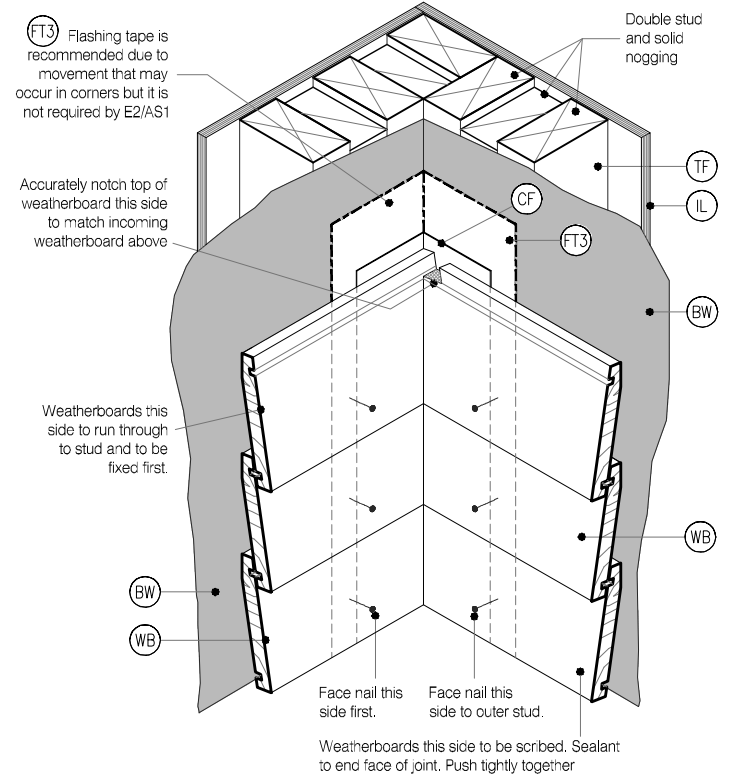
C2 3D EXTERNAL CORNER SOAKER
BB41 Direct Fix - Bevel Back WB
SCALE : N.T.S



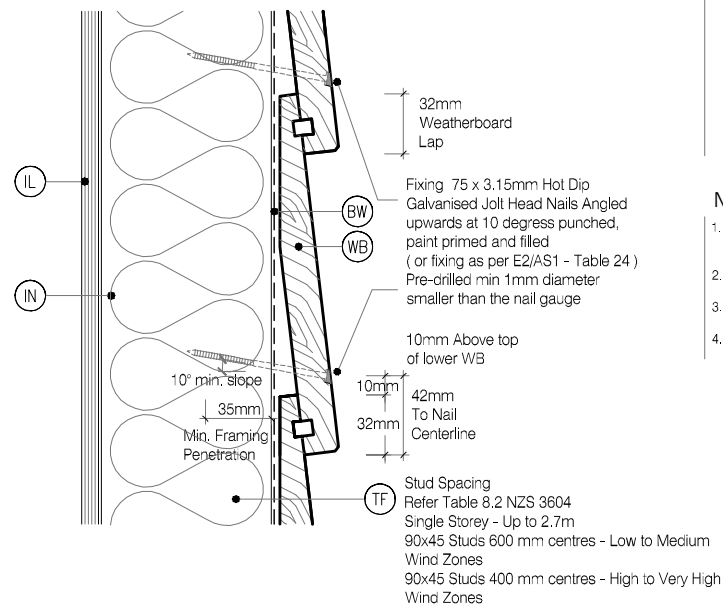
DETAIL NOTES :

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.

C3 INTERNAL CORNER
BB42 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3



C4 3D INTERNAL CORNER
BB43 Direct Fix - Bevel Back WB
SCALE : N.T.S



C5 WEATHERBOARD FIXING
BB44 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3

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, Rigid 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

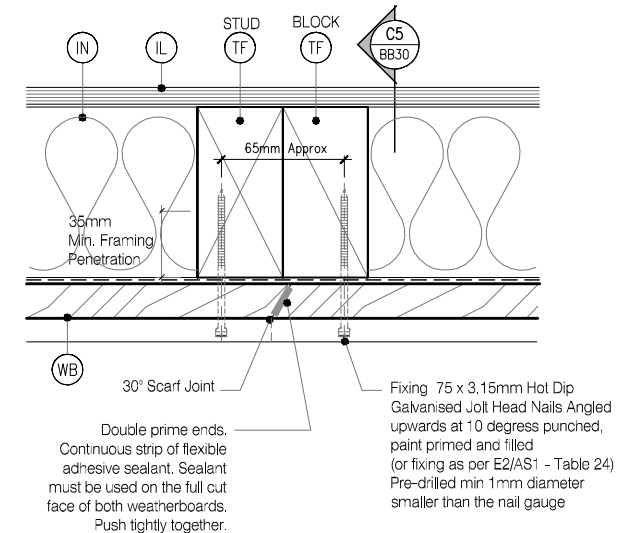
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9. MicroPro® Wood Treatment Technology has received GreenTag ProD™ proving claims that MicroPro® is safe for human health (and ecosystems).

HOW TO DETERMINE THE TIMBER WEATHERBOARD STRUCTURE :

FROM TABLE 3 E2/AS1		
RISK SCORE	DIRECT FIX	20mm CAVITY FIX
0 - 6	Timber Weather Boards (All Types)	(Not Required)
7 - 12	Bevel Back Timber WB Vertical Timber Board & Batten	Rusticated WB
13 - 20	(Direct Fix NOT Allowed)	Rusticated WB B.B Timber WB
20 +	(Redesign or Specific Design)	

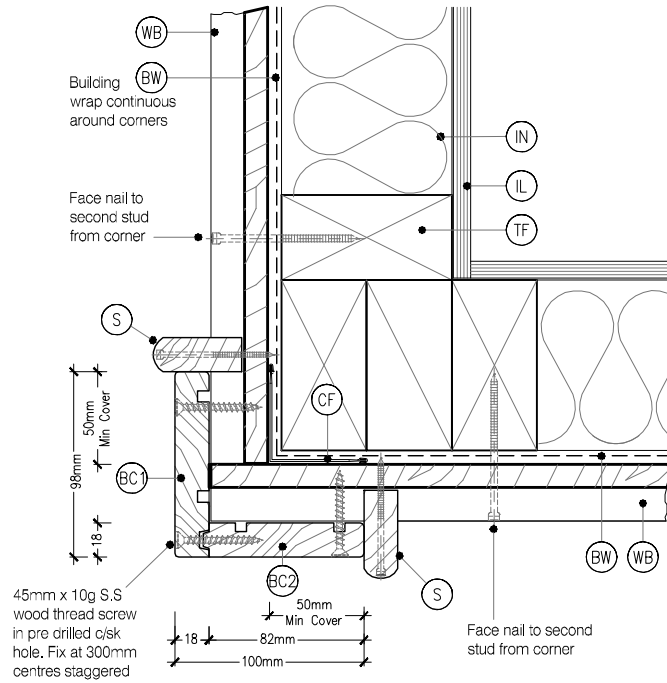
Table 3 E2/AS1 are the minimum requirements, For extra security, you can always upgrade to a higher specification.

NOTES:
Claddings in Extra High Wind Zones require:
a. Rigid underlays to (Paragraph 9.1.7.2 E2/AS1)
b. Drained Cavities to (Paragraph 9.1.8 E2/AS1)
c. Hooks and Hems on flashing upstands and additional 25mm height to (Paragraph 4.6 E2/AS1)

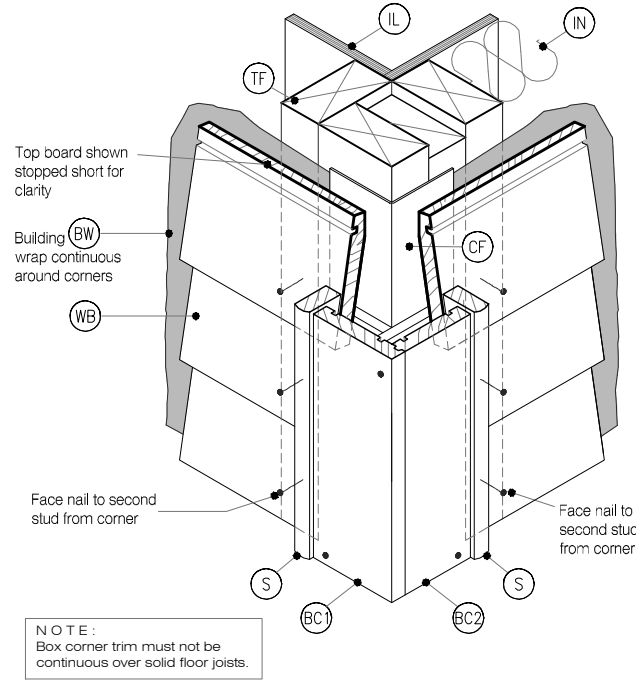


When joining weatherboards a 30° Scarf joint is to be used. This joint must face away from the prevailing weather. Alternatively a corrosion resistant soaker can be used, refer to E2/AS1 - 9.4.4.2 & Soakers materials to 4.32 to Paragraph 4.3.8

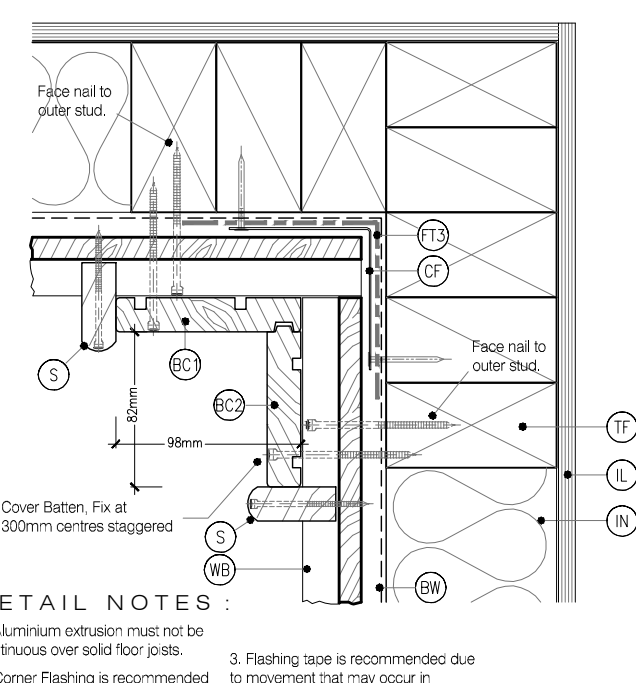
C6 SCARF JOINT - HORIZONTAL
BB45 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3



C10 EXTERNAL BOXED CORNER
BB50 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3



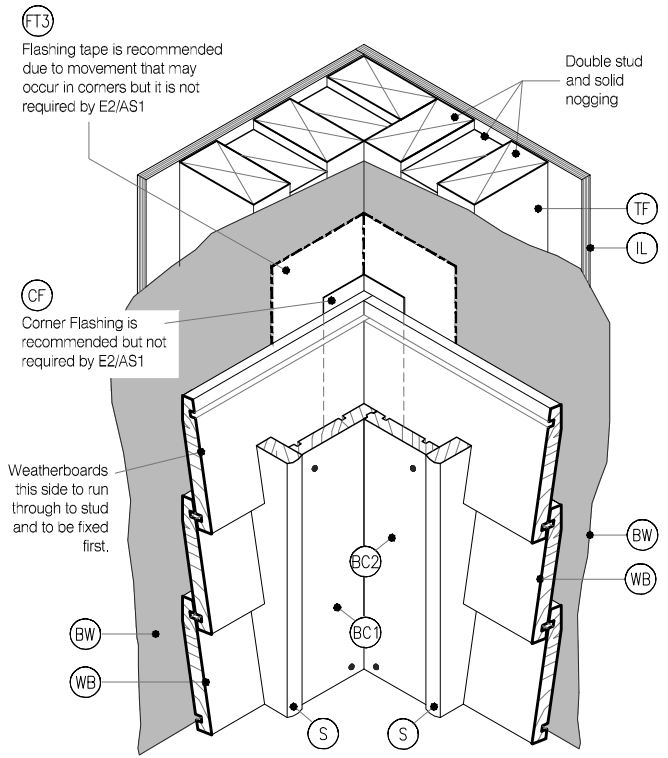
C11 3D - EXTERNAL BOXED CORNER
BB51 Direct Fix - Bevel Back WB
SCALE : N.T.S



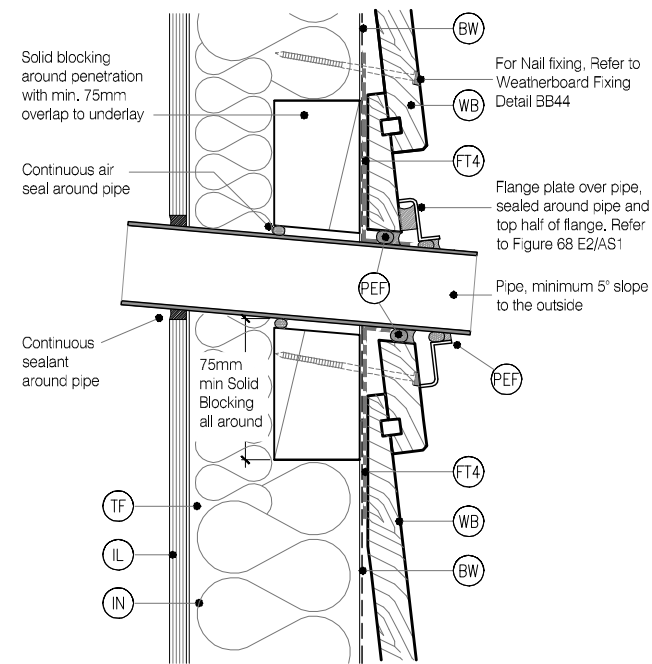
DETAIL NOTES :

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

C12 INTERNAL BOXED CORNER
BB52 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3



C13 3D - INTERNAL BOXED CORNER
BB53 Direct Fix - Bevel Back WB
SCALE : N.T.S



C14 PIPE PENETRATION
BB54 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3

LEGEND :

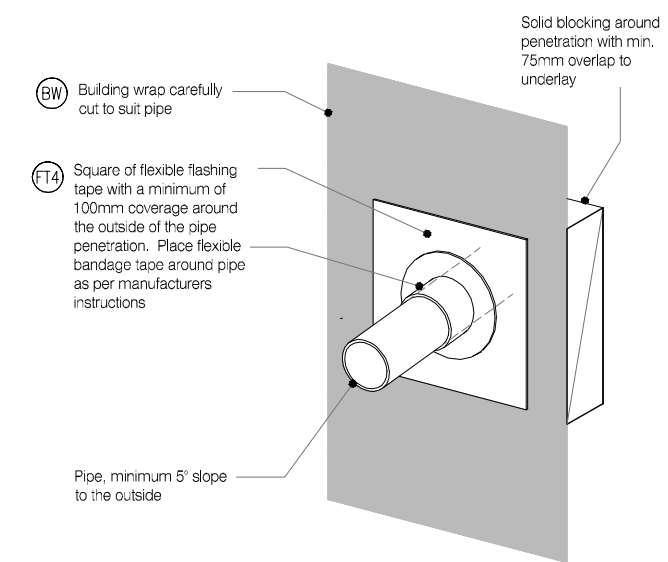
- | | | |
|---|---|--|
| <p>PEF PEF ROD BACKING: Foam backing rod with sealant to perimeter that forms a waterproof air-seal. (Sealant 2:1 Ratio)</p> <p>IL INTERNAL LINING: Selected Internal Lining</p> <p>BW BUILDING WRAP: Flexible Wall Underlay, As per NZBC E2/AS1 - Table 23, In extra high wind zones, Rigid Underlay required (9.1.7.2 E2/AS1)</p> <p>TF TIMBER FRAME: H1.2 min treated timber framing</p> <p>WB WEATHER BOARD: KLC Generation II, MicroPro H3.2 Bevel Back Weatherboard. Profile to NZS 3617</p> | <p>FT3 FLEXIBLE FLASHING TAPE: Flexible flashing tape lapped into corner, Refer NZBC E2/AS1 4.3.11</p> <p>FT4 FLEXIBLE FLASHING TAPE: Flexible flashing tape wrapped around pipe and over building wrap, Refer NZBC E2/AS1 4.3.11 & Figure 68</p> <p>IN INSULATION: Selected Insulation</p> <p>BC1 BOXED CORNER COVER : 98x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners</p> <p>BC2 BOXED CORNER COVER: 85x18 KLC Generation II, MicroPro H3.2 Cover Batten to boxed corners</p> | <p>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</p> <p>S SCRIBER: KLC Generation II, MicroPro H3.2 (10mm wide min) profile cut to fit weatherboard, sealant to back of scribe and 75 x 3.15mm Galvanised nail in 3mm predrilled hole. 40x18 or 65x18 depending on weatherboard size</p> |
|---|---|--|

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 NZS3610:2003 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).

HOW TO DETERMINE THE TIMBER WEATHERBOARD STRUCTURE :

1. Establish the " RISK " (Section 3.1 & Figure 1 E2/AS1)	6. FROM TABLE 3 E2/AS1
2. Definition of Risk Levels (Section 3.1.1 & Table 1 E2/AS1)	
3. Building Envelope Risk Score (Section 3.1.2 & Table 2 E2/AS1)	
The RISK MATRIX defines the RISK SCORE	
4. Suitable Wall Claddings (Table 3 E2/AS1)	
5. The Architect / Designer are responsibility to confirm the RISK MATRIX, RISK SCORE & SUITABLE CLADDINGS	
NOTES: Claddings in Extra High Wind Zones require: a. Rigid underlays to (Paragraph 9.1.7.2 E2/AS1) b. Drained Cavities to (Paragraph 9.1.8 E2/AS1) c. Hooks and Hems on flashing upstands and additional 25mm height to (Paragraph 4.6 E2/AS1)	
RISK SCORE	DIRECT FIX 20mm CAVITY FIX
0 - 6	Timber Weather Boards (All Types) (Not Required)
7 - 12	Bevel Back Timber WB Rusticated WB Vertical Timber Board & Batten
13 - 20	(Direct Fix NOT Allowed) Rusticated WB B.B Timber WB
20 +	(Redesign or Specific Design)
Table 3 E2/AS1 are the minimum requirements, For extra security, you can always upgrade to a higher specification.	



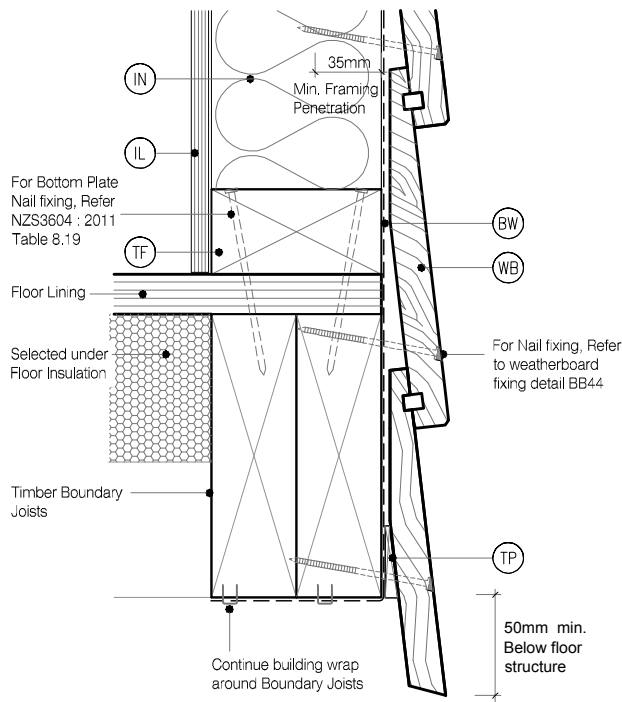
C15 3D PIPE PENETRATION
BB55 Direct Fix - Bevel Back WB
SCALE : N.T.S

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

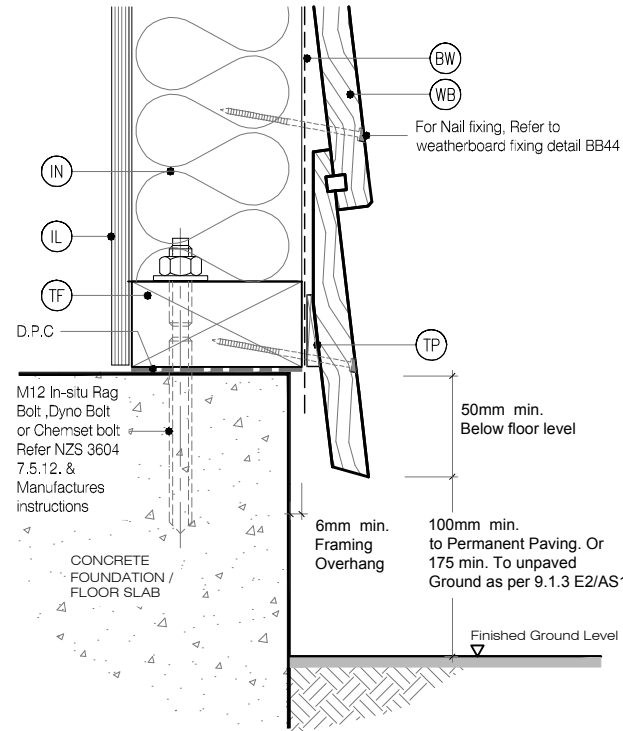
NAME **GENERAL DETAILS 02 - Boxed Corners & Pipe Penetrations**



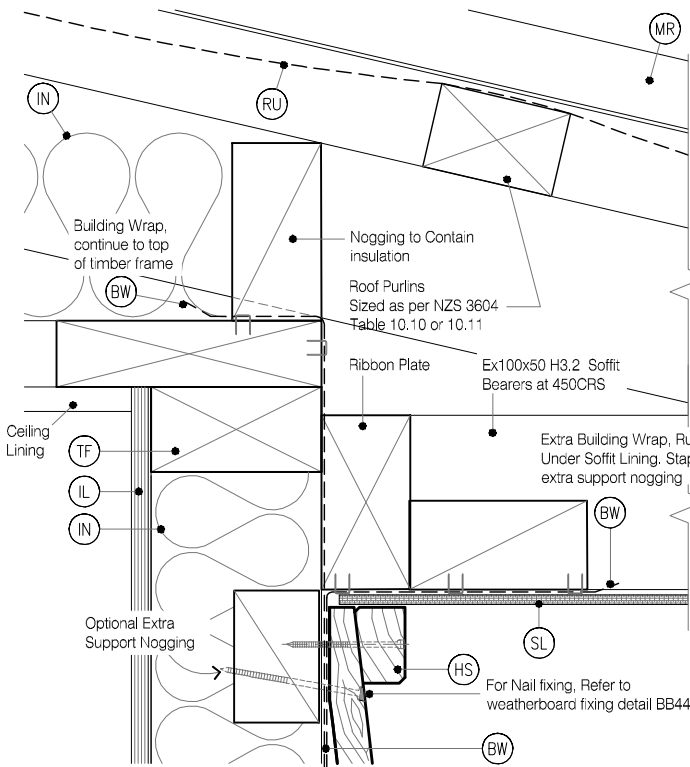
DRAWING SCALE 1:2 @ A1 1:4 @ A3	ISSUE DATE 20/11/2018
DRAWING No KLC DF BB56	REVISION 0



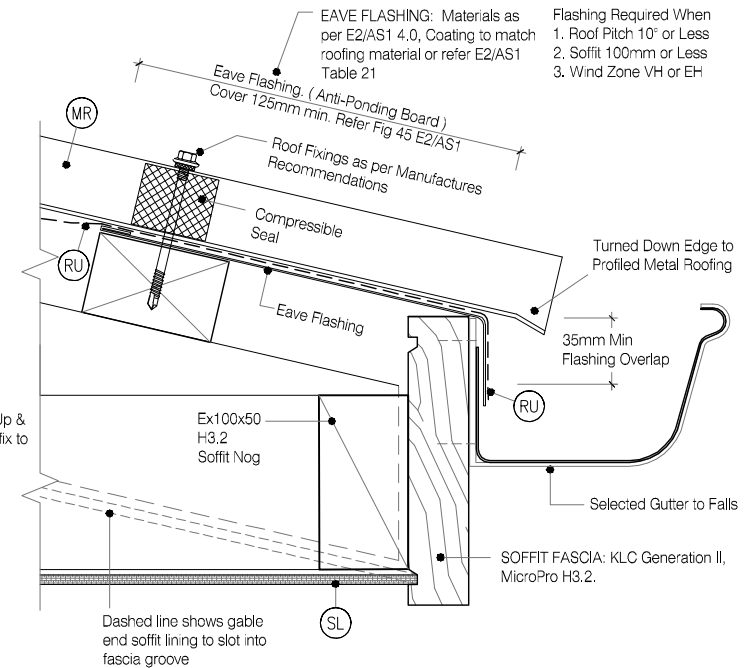
C16 BASE OF WALL, TIMBER
BB60 Direct Fix - Bevel Backed Weatherboards
SCALE 1:2 @ A1, 1:4 @ A3



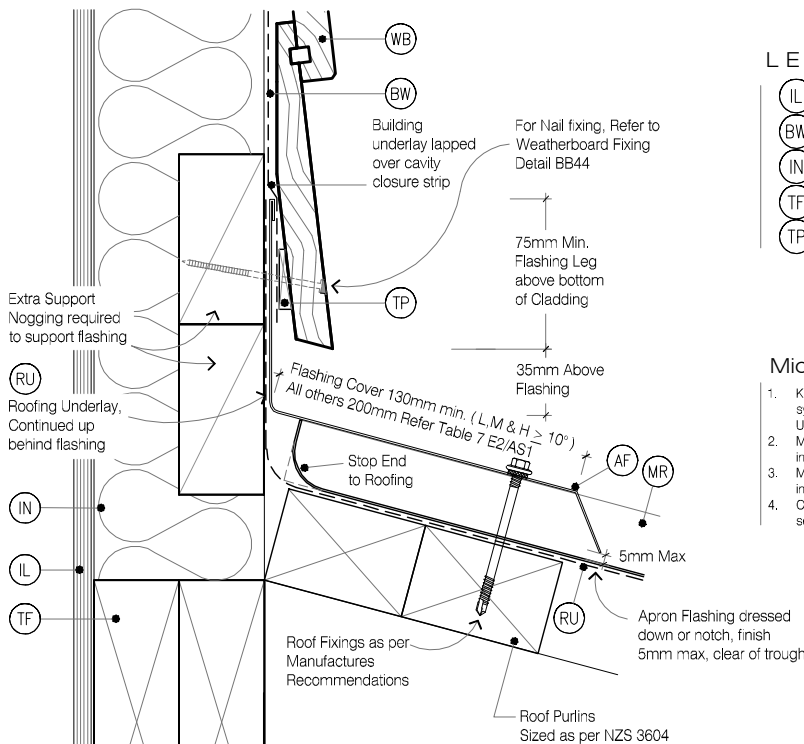
C17 BASE OF WALL, CONCRETE
BB61 Direct Fix - Bevel Backed Weatherboards
SCALE 1:2 @ A1, 1:4 @ A3



C18 WALL TO SOFFIT DETAIL
BB62 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3



C19 SOFFIT DETAIL
BB63 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3



C20 APRON FLASHING ROOF TO WALL JUNCTION
BB64 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3

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, Rigid 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 (Typically 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

MicoPro® Wood Treatment Technology

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- Micronized Copper Azole (MCA) preservatives are EPA-approved for use in NZ and AUS to NZS3610:2003 and AS1604:12012
- MicroPro preservative is applied using high-pressure and vacuum-pressure in the impregnation process in KLC's modern, automated treatment facility.
- Out End Treatment : All out 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 ProD™ proving claims that MicroPro® is safe for human health (and ecosystems).

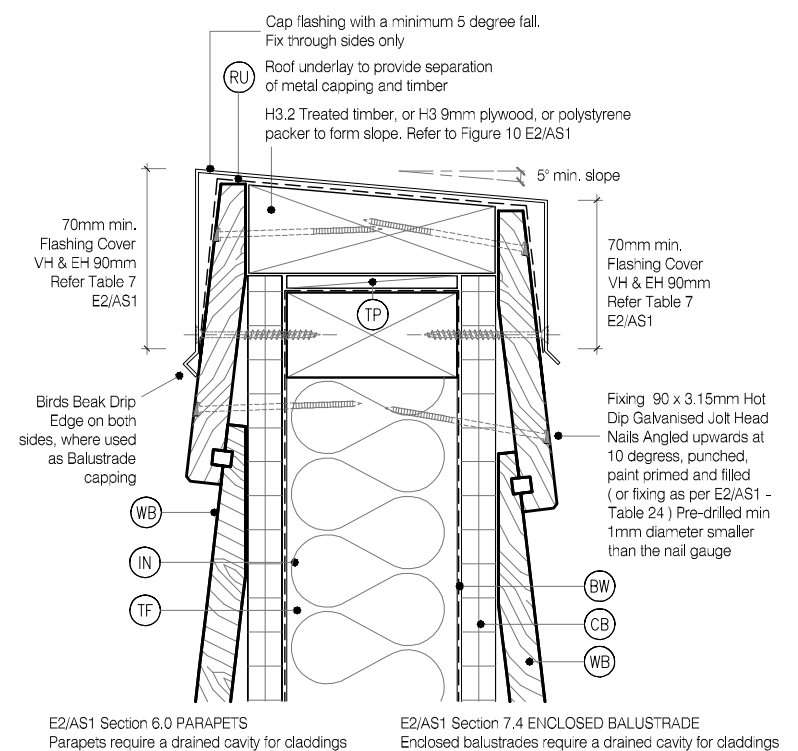
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- Establish the " RISK " (Section 3.1 & Figure 1 E2/AS1)
- Definition of Risk Levels (Section 3.1.1 & Table 1 E2/AS1)
- Building Envelope Risk Score (Section 3.1.2 & Table 2 E2/AS1) The RISK MATRIX defines the RISK SCORE
- Suitable Wall Claddings (Table 3 E2/AS1)
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NOTES:
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c. Hooks and Hems on flashing upstands and additional 25mm height to (Paragraph 4.6 E2/AS1)

RISK SCORE	DIRECT FIX	20mm CAVITY FIX
0 - 6	Timber Weather Boards (All Types)	(Not Required)
7 - 12	Bevel Back Timber WB Vertical Timber Board & Batten	Rusticated WB
13 - 20	(Direct Fix NOT Allowed)	Rusticated WB B.B Timber WB
20 +	(Redesign or Specific Design)	

Table 3 E2/AS1 are the minimum requirements, For extra security, you can always upgrade to a higher specification.



C21 BALUSTARDE CAPPING OR PARAPET DETAIL
BB65 Direct Fix - Bevel Back WB
SCALE 1:2 @ A1, 1:4 @ A3

CAD REF : KLC DF BB60-66 - GENERAL DETAILS 03.dwg
DATE : 27/11/2018