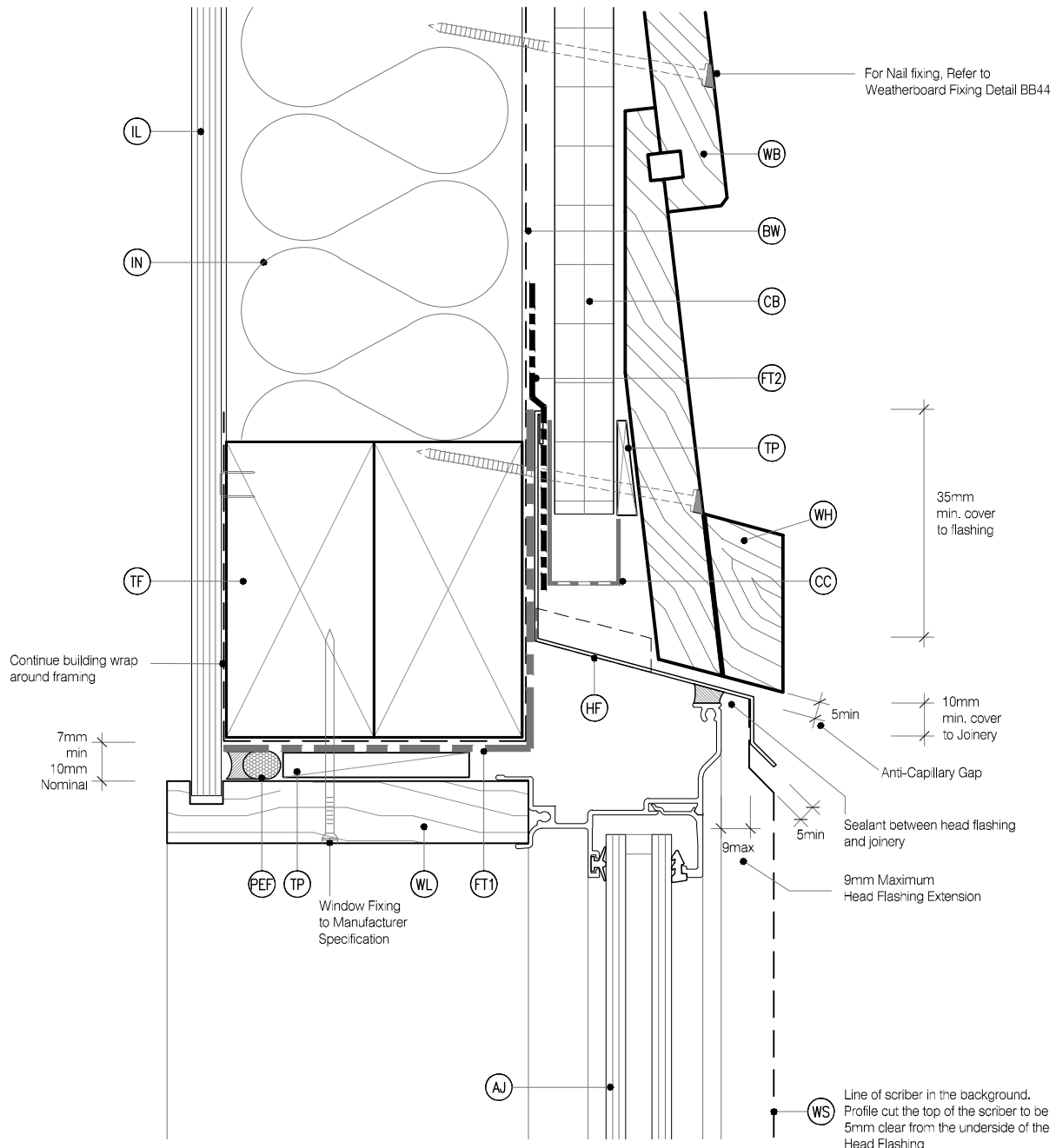## LEGEND:

(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)

(CC) **CAVITY CLOSURE:** Cavity closure strip, positioned to give a 15mm Min drip edge to cladding

(CB) **CAVITY BATTEN:** 45x20 KLC Generation II, MicroPro H3.2 FJ Cavity Batten to form a 20mm cavity

(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

(WZ) **WANZ SUPPORT:** Provide window support as required by joinery manufacturer

(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

For Nail fixing, Refer to Weatherboard Fixing Detail BB44

35mm min. cover to flashing

10mm min. cover to Joinery

5min

Anti-Capillary Gap

Sealant between head flashing and joinery

9mm Maximum Head Flashing Extension

9max

5min

Line of scriber in the background. Profile cut the top of the scriber to be 5mm clear from the underside of the Head Flashing

Continue building wrap around framing

7mm min
10mm Nominal

Window Fixing to Manufacturer Specification

MicoPro® Wood Treatment Technology

1. KLC use the MicroPro Micronized Copper Azole (MCA) based preservative system for their wood products. It accounts for 60% 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).

KLC
Naturally Better
www.klc.co.nz

TYPE Generation II H3.2 Exterior Cladding Systems
Bevel Back Weatherboard - Cavity Fix
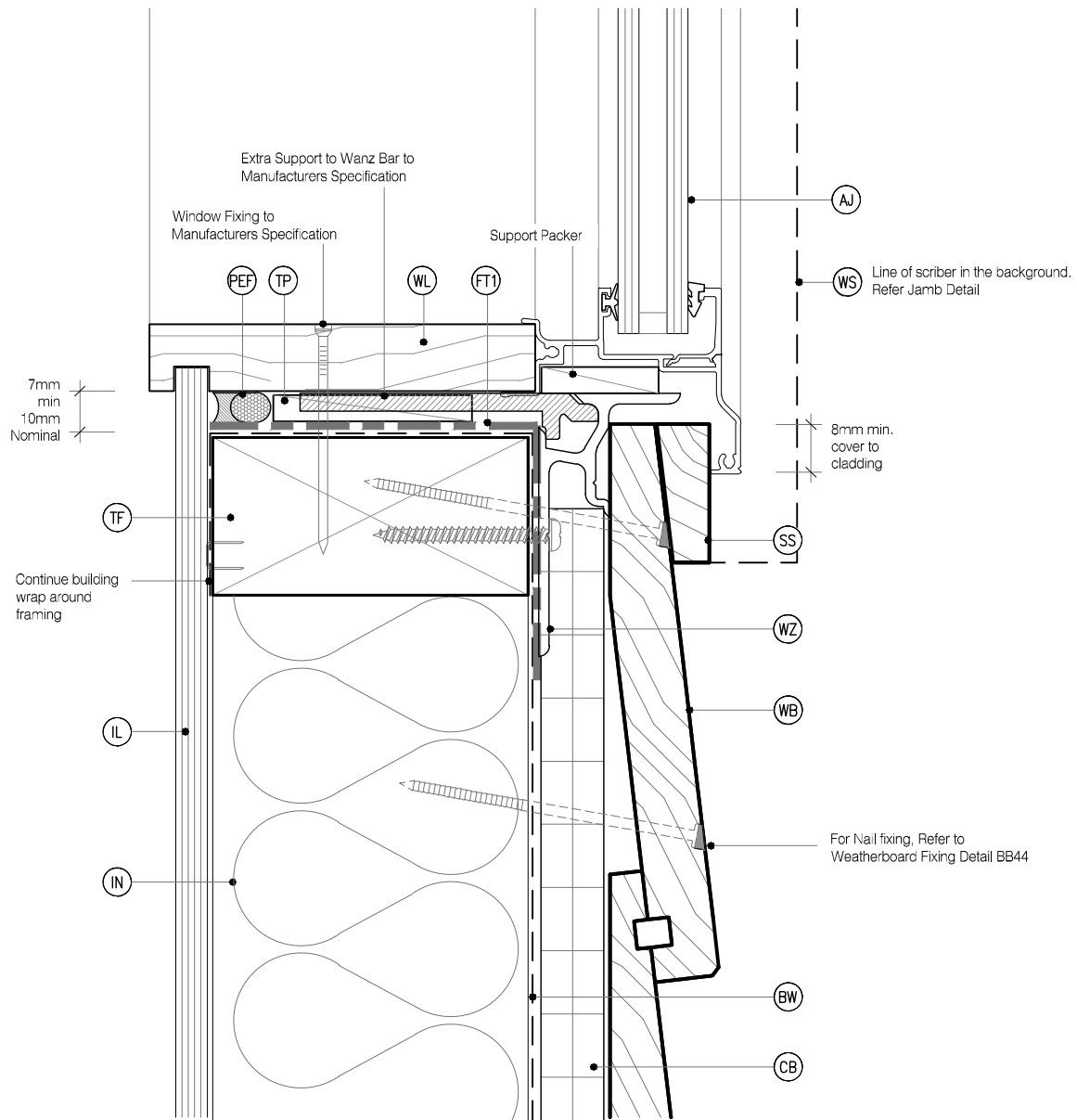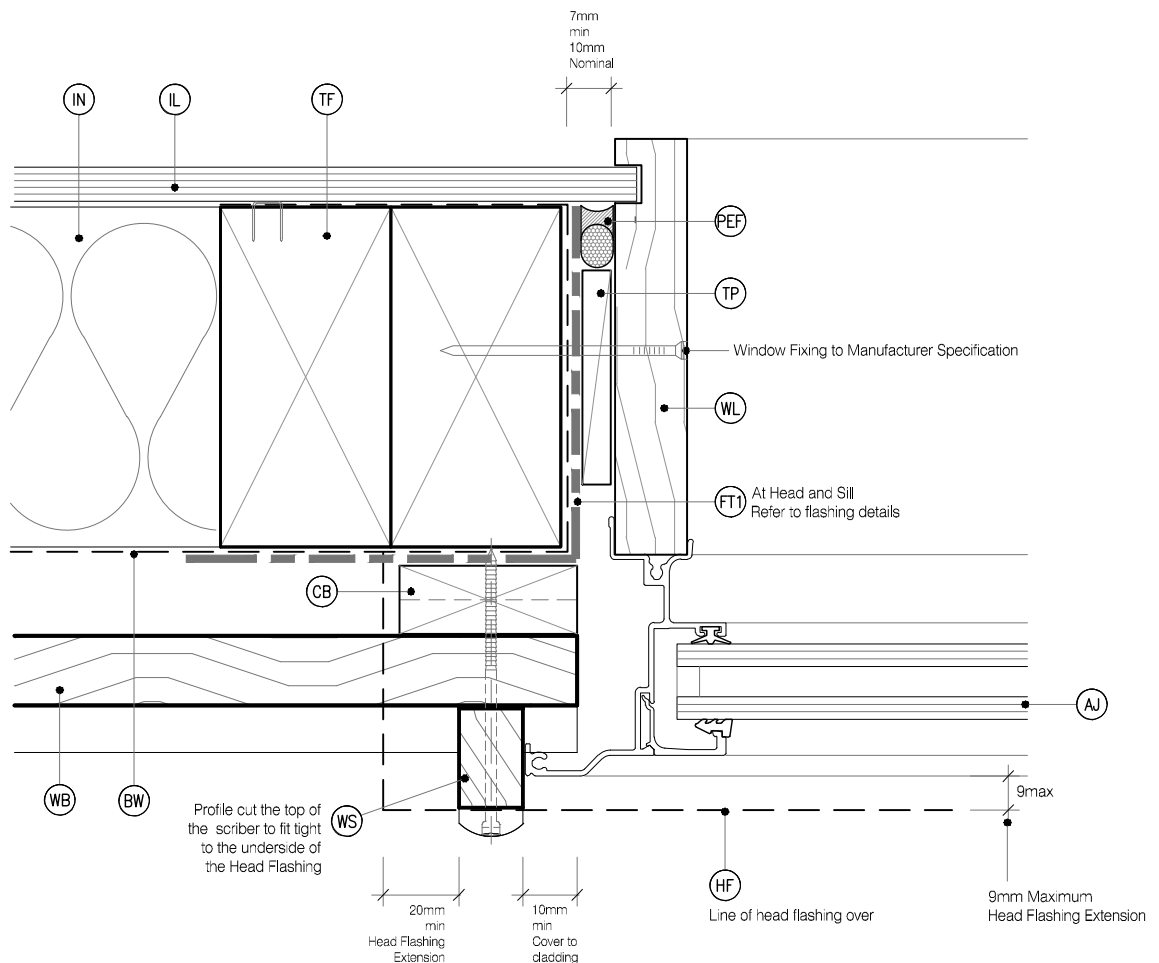
NAME Window Head Detail - Aluminium Joinery

CodeMark™
CM70062

DRAWING SCALE	ISSUE DATE
1:2 @ A4	26/03/2019

DRAWING No	REVISION
KLC CF20 BB10	1

Extra Support to Wanz Bar to Manufacturers Specification

Window Fixing to Manufacturers Specification

Support Packer

(AJ)

(WS) Line of scriber in the background. Refer Jamb Detail

(PEF) (TP) (WL) (FT1)

7mm min
10mm Nominal

8mm min. cover to cladding

(TF)

(SS)

Continue building wrap around framing

(WZ)

(IL)

(WB)

(IN)

For Nail fixing, Refer to Weatherboard Fixing Detail BB44

(BW)

(CB)

7mm min
10mm Nominal

(IN) (IL) (TF)

(PEF)

(TP)

Window Fixing to Manufacturer Specification

(WL)

(FT1) At Head and Sill Refer to flashing details

(CB)

(AJ)

(WB) (BW)

(WS)

Profile cut the top of the scriber to fit tight to the underside of the Head Flashing

20mm min Head Flashing Extension

10mm min Cover to cladding

(HF) Line of head flashing over

9max

9mm Maximum Head Flashing Extension

W4 — TYPICAL WINDOW OPENING (FLASHING TAPE)

150
150
150
70

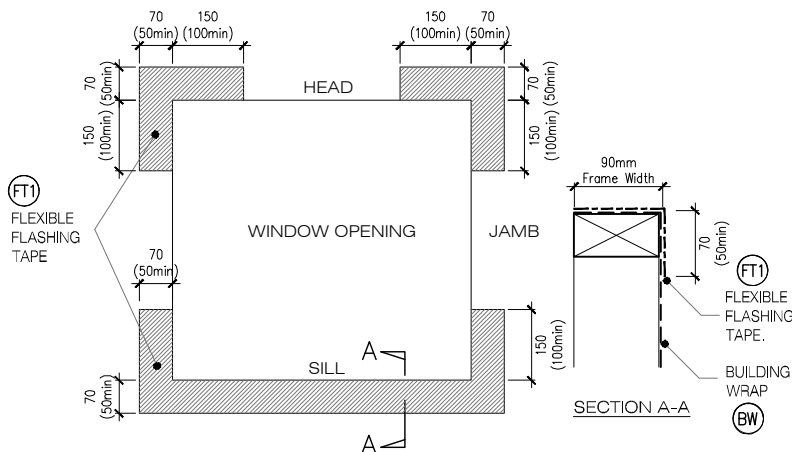(FT1) ONE PIECE HEAD FLASHING TAPE, TO BUILDING WRAP

(BW) BUILDING WRAP (ALLOW TOP LAP INTO OPENING)

(FT1) ONE PIECE SILL FLASHING TAPE, TO BUILDING WRAP

BUILDING WRAP DRESSED INTO THE FRAMED OPENING WITH FLEXIBLE FLASHING TAPE LAPPED OVER AND TURNED DOWN OVER BUILDING WRAP 70mm
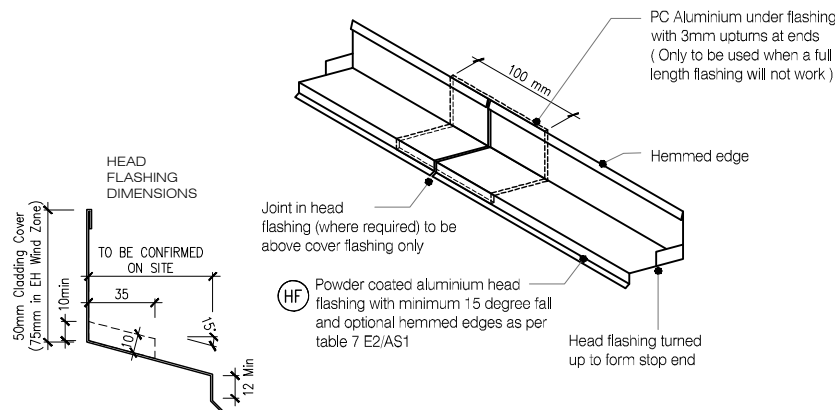
(BW)

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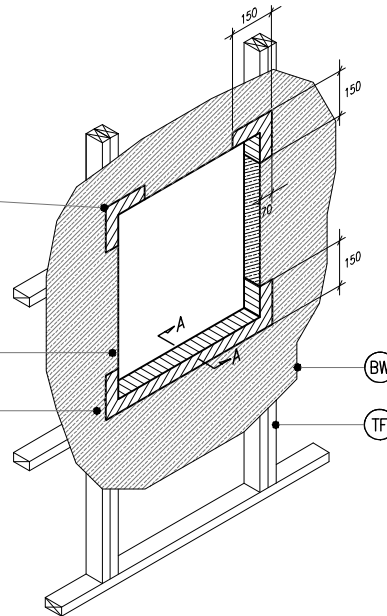
W4 | **TYPICAL WINDOW OPENING (FLASHING TAPE)**
BB13 | SCALE : N.T.S

W5 — FLEXIBLE BUILDING WRAP AT OPENING

70 (50min) 150 (100min)   150 (100min) 70 (50min)

70 (50min)

HEAD

70 (50min)

150 (100min)

150 (100min)

(FT1) FLEXIBLE FLASHING TAPE

WINDOW OPENING   JAMB

70 (50min)

SILL

70 (50min)

150 (100min)

A

A

90mm Frame Width

70 (50min)

(FT1) FLEXIBLE FLASHING TAPE.

BUILDING WRAP

SECTION A-A

(BW)

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).

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

W6 — TYPICAL HEAD & FLASHING JOINT

PC Aluminium under flashing with 3mm upturns at ends (Only to be used when a full length flashing will not work)

100 mm

Hemmed edge

Joint in head flashing (where required) to be above cover flashing only

(HF) Powder coated aluminium head flashing with minimum 15 degree fall and optional hemmed edges as per table 7 E2/AS1

Head flashing turned up to form stop end

HEAD FLASHING DIMENSIONS

50mm Cladding Cover (75mm in EH Wind Zone)

10min

TO BE CONFIRMED ON SITE

35

15°

12 Min

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

W6 | **TYPICAL HEAD & FLASHING JOINT**
BB13 | SCALE : 1 / 2 @ A1, 1 / 4 @ A3

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

NAME **Window Flashing Details - Aluminium Joinery**

CodeMark™ CM70062

DRAWING SCALE	ISSUE DATE
1:4 @ A4	26/03/2019

DRAWING No	REVISION
KLC CF20 BB13	1