35mm Min. Framing Penetration

IN

IL

For Bottom Plate Nail fixing, Refer NZS3604 : 2011 Table 8.19

TF

BW

WB

Floor Lining

Selected under Floor Insulation

For Nail fixing, Refer to weatherboard fixing detail BB44

Timber Boundary Joists

TP

Continue building wrap around Boundary Joists

50mm min. Below floor structure

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).

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

NAME Base of Wall, Timber

CodeMark CM70062

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

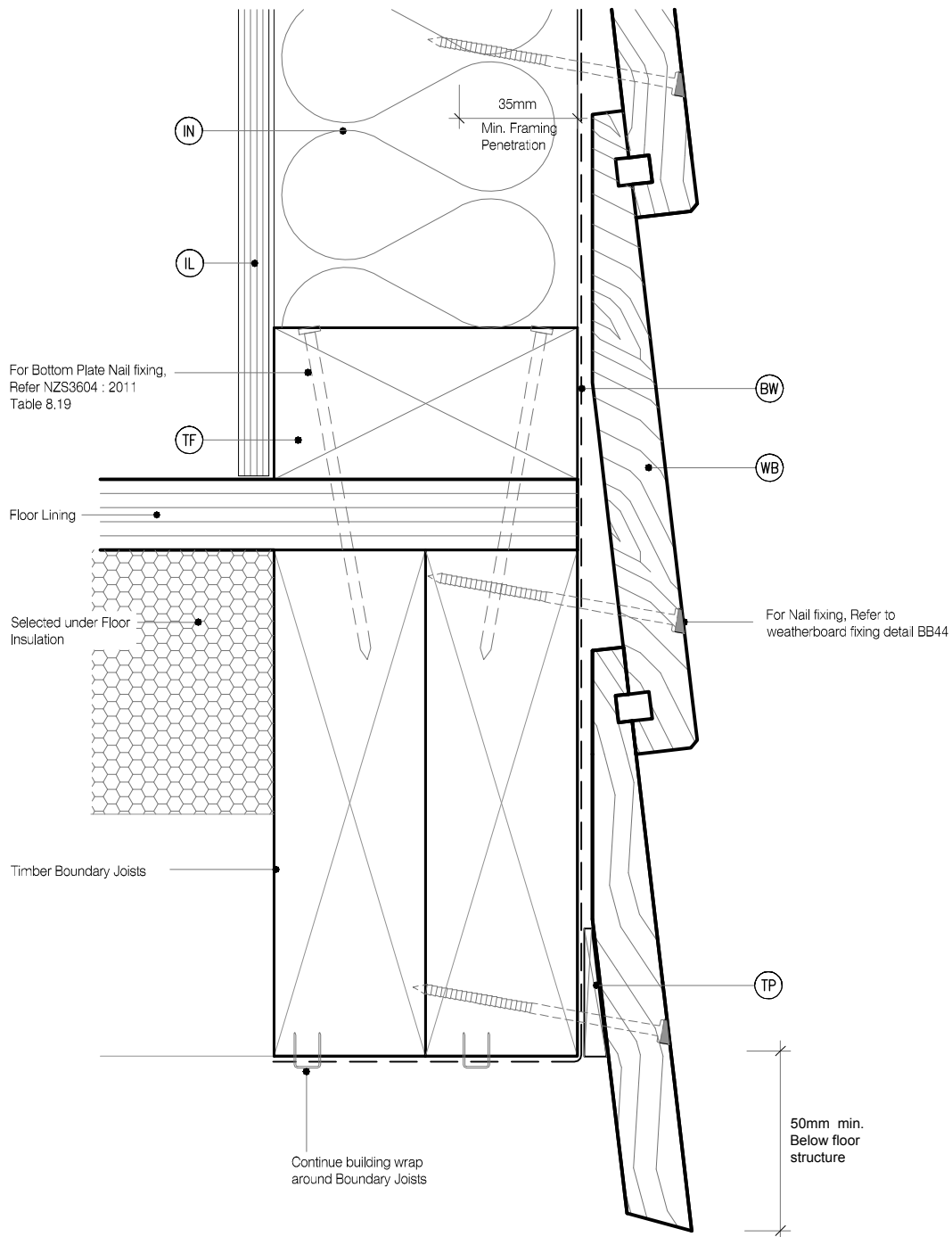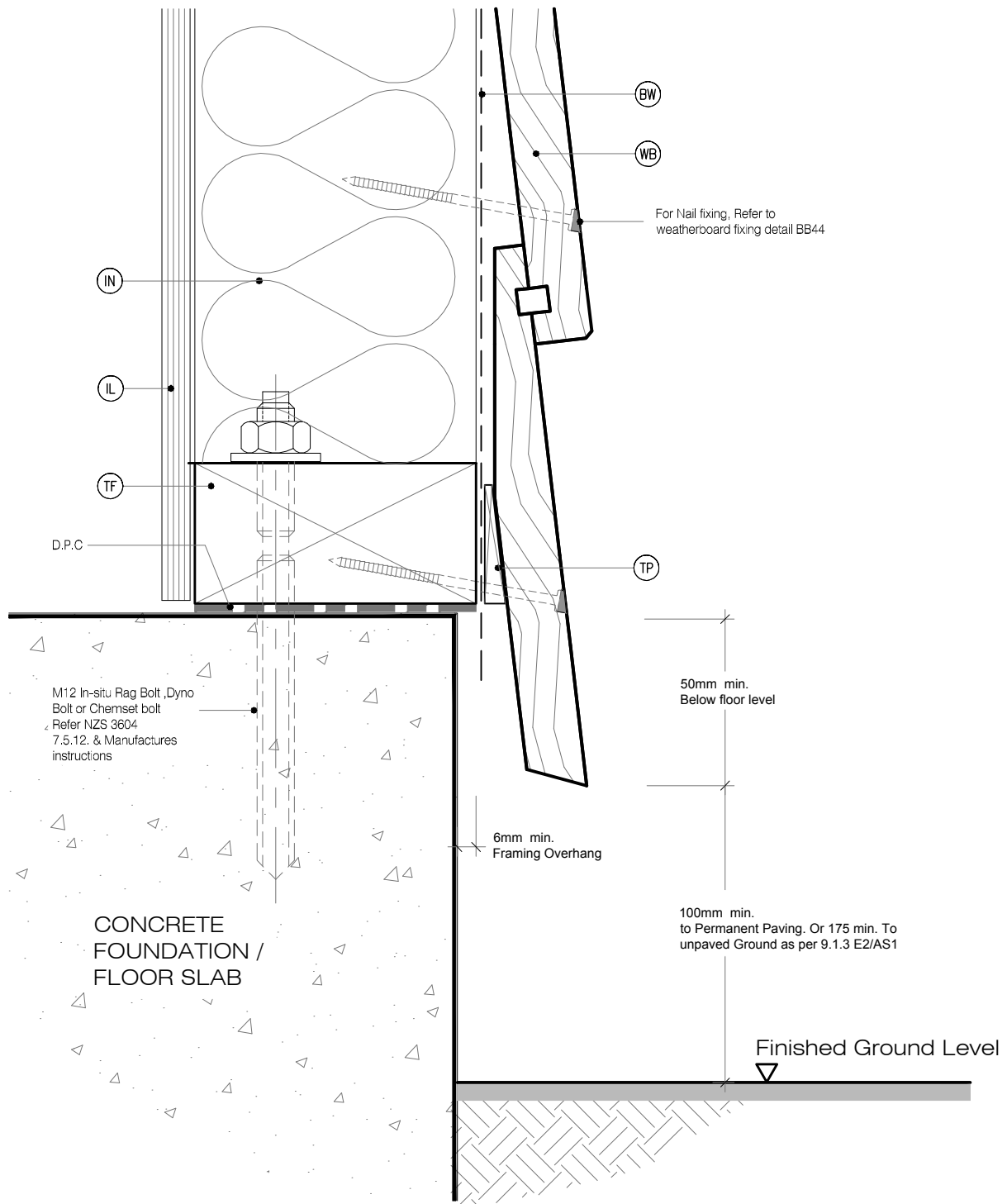| DRAWING No	REVISION
KLC DF BB60	0

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 (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

For Nail fixing, Refer to weatherboard fixing detail BB44

D.P.C

M12 In-situ Rag Bolt ,Dyno Bolt or Chemset bolt Refer NZS 3604 7.5.12. & Manufactures instructions

CONCRETE FOUNDATION / FLOOR SLAB

50mm min. Below floor level

6mm min. Framing Overhang

100mm min. to Permanent Paving. Or 175 min. To unpaved Ground as per 9.1.3 E2/AS1

Finished Ground Level

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

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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.

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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 **Base of Wall, Concrete**

CodeMark™
CM70062

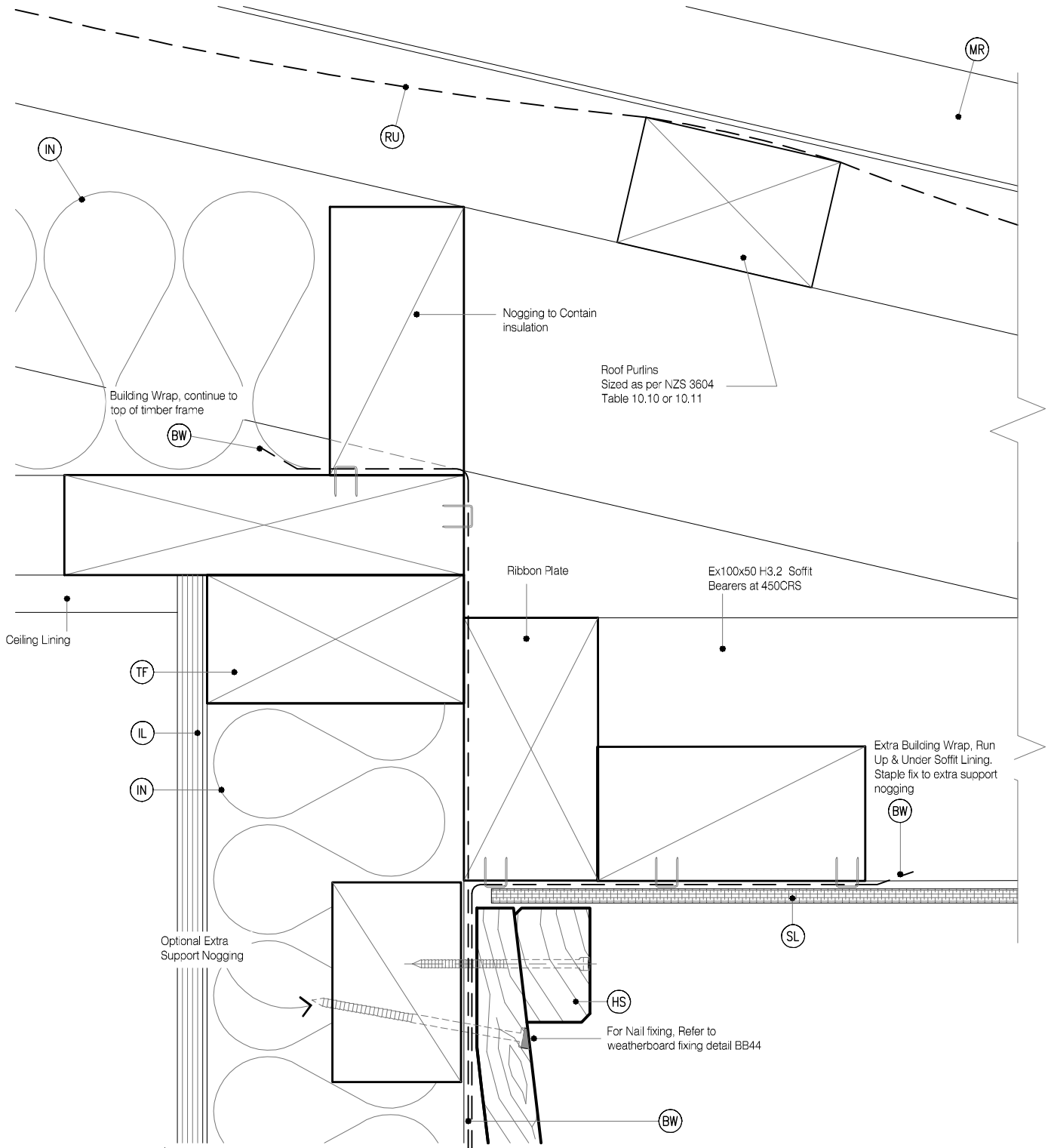| DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

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

Nogging to Contain insulation

Roof Purlins
Sized as per NZS 3604
Table 10.10 or 10.11

Building Wrap, continue to top of timber frame

Ceiling Lining

Ribbon Plate

Ex100x50 H3.2 Soffit
Bearers at 450CRS

Extra Building Wrap, Run
Up & Under Soffit Lining.
Staple fix to extra support
nogging

Optional Extra
Support Nogging

For Nail fixing, Refer to
weatherboard fixing detail BB44

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 Galvalised 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 Soffit Detail at Wall

CodeMark
CM70062

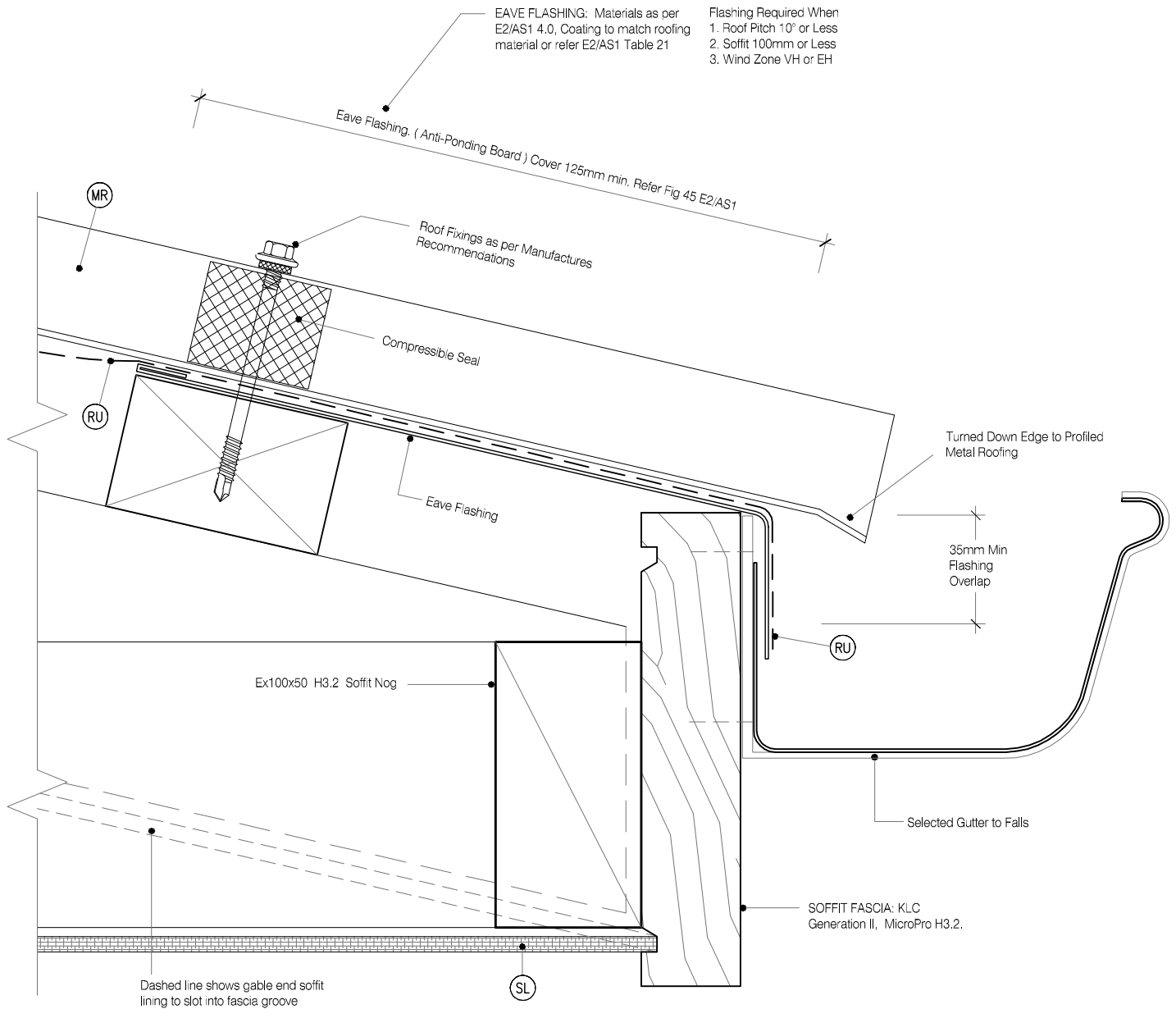| DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

DRAWING No	REVISION
KLC DF BB62	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 (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

EAVE FLASHING: Materials as per E2/AS1 4.0, Coating to match roofing material or refer E2/AS1 Table 21

Flashing Required When
1. Roof Pitch 10° or Less
2. Soffit 100mm or Less
3. Wind Zone VH or EH

Eave Flashing. (Anti-Ponding Board) Cover 125mm min. Refer Fig 45 E2/AS1

MR

Roof Fixings as per Manufactures Recommendations

Compressible Seal

RU

Eave Flashing

Turned Down Edge to Profiled Metal Roofing

35mm Min Flashing Overlap

RU

Ex100x50 H3.2 Soffit Nog

Selected Gutter to Falls

SOFFIT FASCIA: KLC Generation II, MicroPro H3.2.

SL

Dashed line shows gable end soffit lining to slot into fascia groove

MicoPro® Wood Treatment Technology

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

NAME **Soffit Detail at Fascia**

CodeMark
CM70062

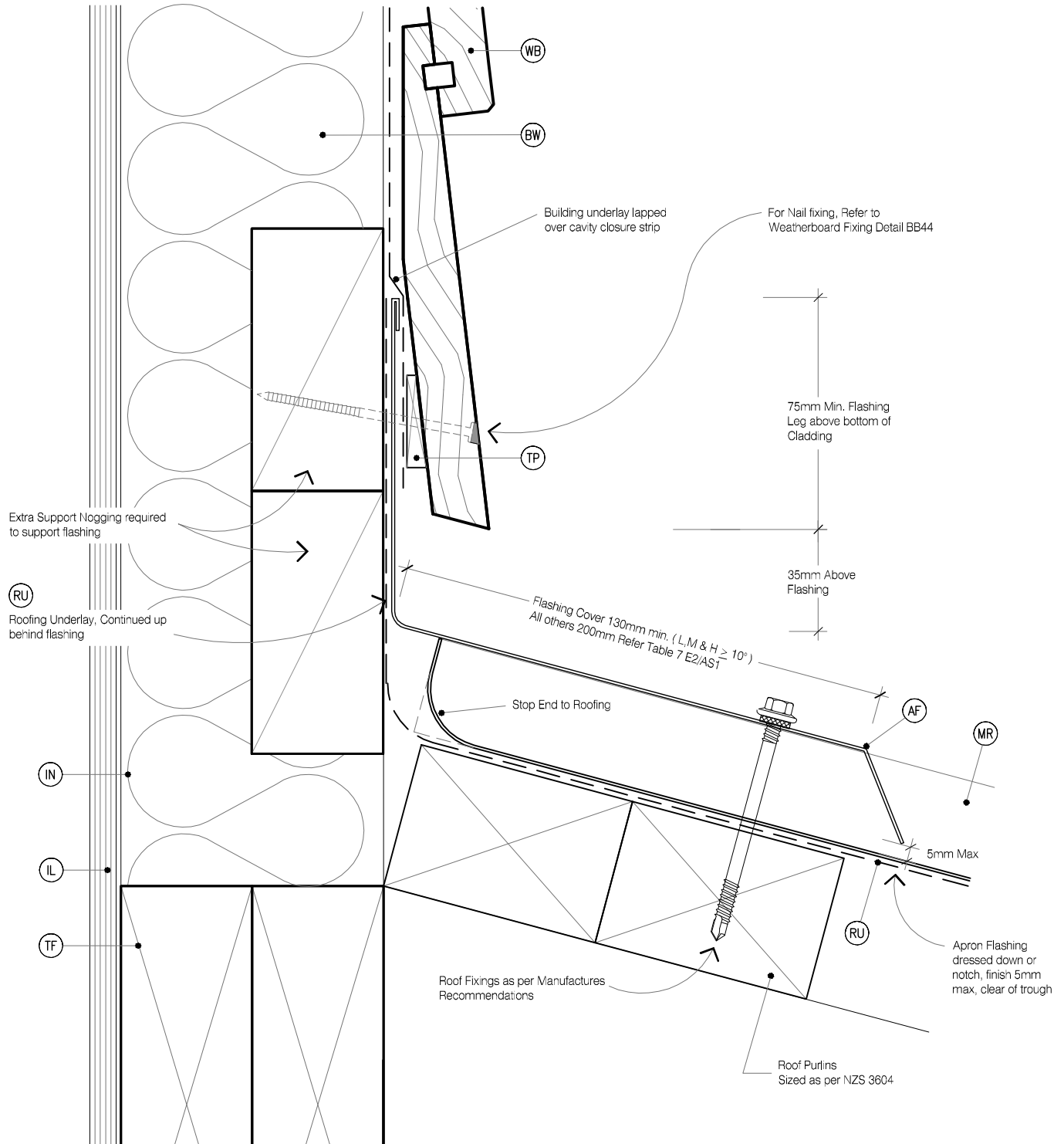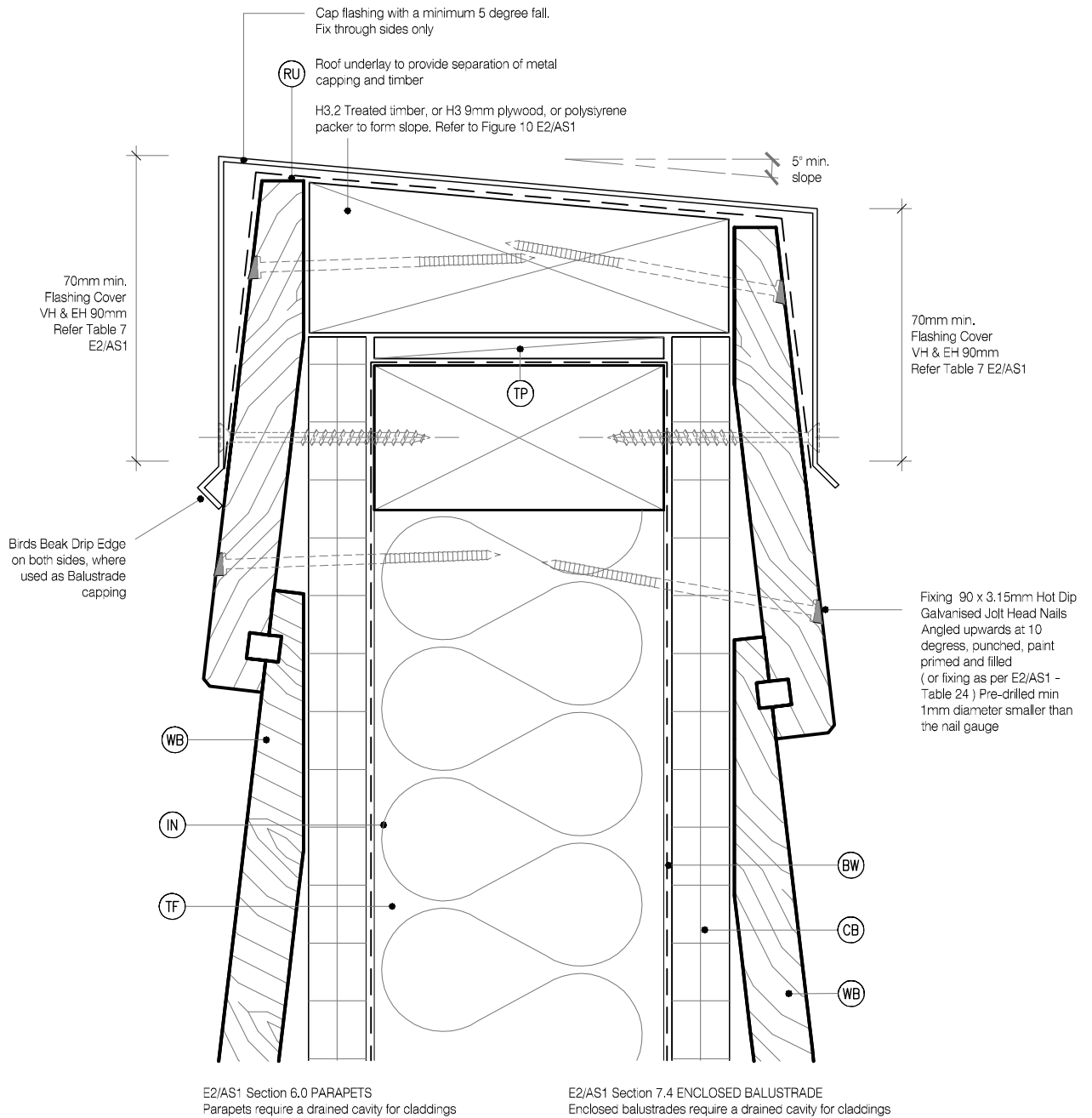| DRAWING SCALE	ISSUE DATE
1:2 @ A4	20/11/2018

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 (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

Building underlay lapped over cavity closure strip

For Nail fixing, Refer to Weatherboard Fixing Detail BB44

75mm Min. Flashing Leg above bottom of Cladding

35mm Above Flashing

Extra Support Nogging required to support flashing

(RU) Roofing Underlay, Continued up behind flashing

Flashing Cover 130mm min. (L,M & H ≥ 10°) All others 200mm Refer Table 7 E2/AS1

Stop End to Roofing

(AF)

(MR)

5mm Max

(RU)

Apron Flashing dressed down or notch, finish 5mm max, clear of trough

Roof Fixings as per Manufactures Recommendations

Roof Purlins Sized as per NZS 3604

MicoPro® Wood Treatment Technology

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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 CM70062

DRAWING SCALE	ISSUE DATE
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DRAWING No	REVISION
KLC DF BB64	0

Cap flashing with a minimum 5 degree fall. Fix through sides only

(RU) Roof underlay to provide separation of metal capping and timber

H3.2 Treated timber, or H3 9mm plywood, or polystyrene packer to form slope. Refer to Figure 10 E2/AS1

5° min. slope

70mm min. Flashing Cover VH & EH 90mm Refer Table 7 E2/AS1

70mm min. Flashing Cover VH & EH 90mm Refer Table 7 E2/AS1

(TP)

Birds Beak Drip Edge on both sides, where used as Balustrade capping

Fixing 90 x 3.15mm Hot Dip Galvanised Jolt Head Nails Angled upwards at 10 degress, punched, paint primed and filled (or fixing as per E2/AS1 - Table 24) Pre-drilled min 1mm diameter smaller than the nail gauge

(WB)

(IN)

(TF)

(BW)

(CB)

(WB)

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™
CM70062

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

DRAWING No	REVISION
KLC DF BB65	0