

Architectural Range
— Detailed specifications

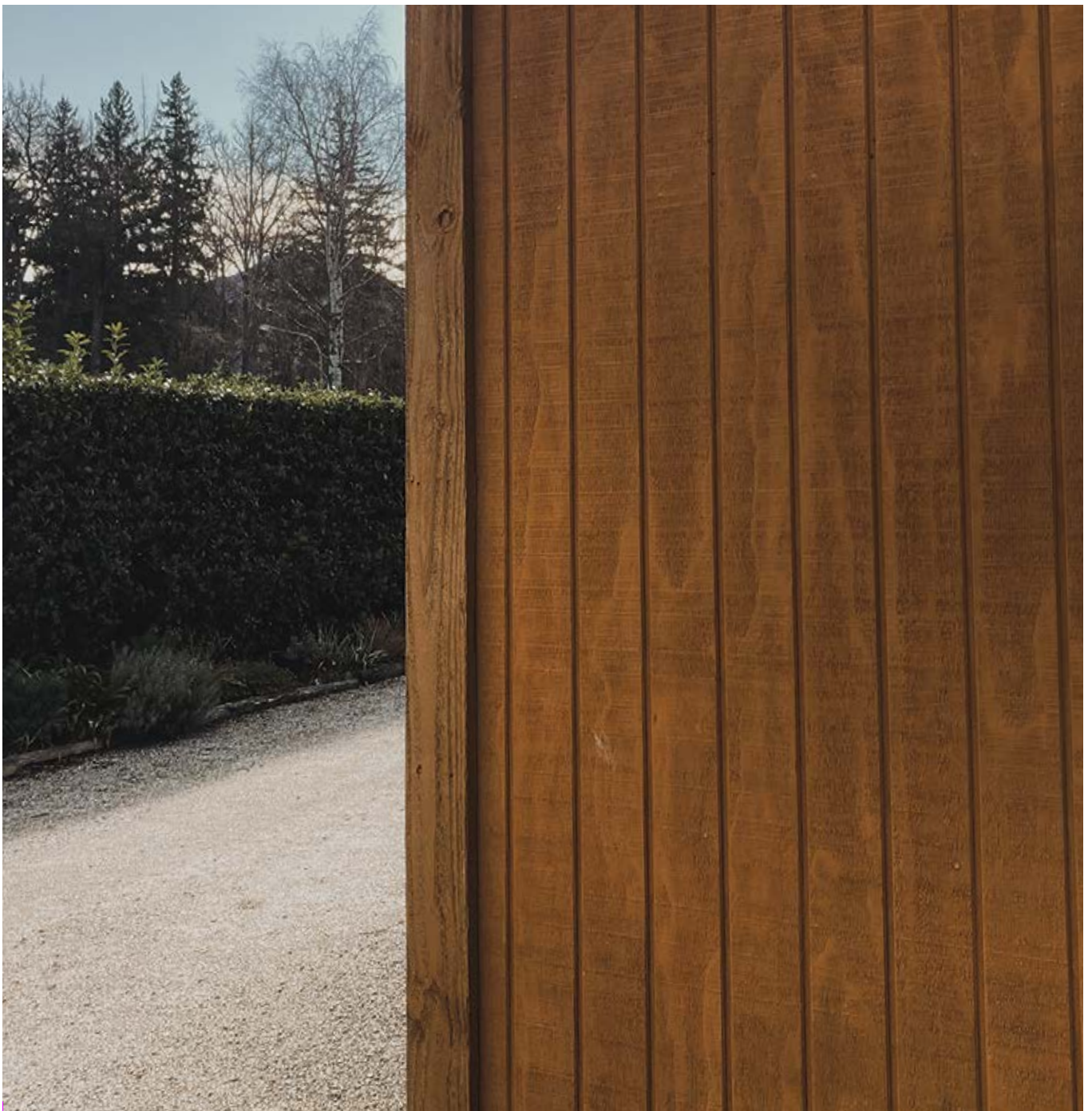
AlpineClad™



Superior exterior paneling.

AlpineClad™

IPL AlpineClad gives the benefits of natural timber with the convenience of a strong, lightweight, and easily-installed panel cladding system. IPL AlpineClad has been successfully used in construction of both residential and commercial buildings for more than three decades.



AlpineClad™

At a glance

- Lightweight, strong and easy-to-install
- H3.1 treated with LOSP preservative or H3.2 CCA
- Offers diverse design possibilities for lightweight structures
- Manufactured in New Zealand for New Zealand conditions
- Interlocking shiplap system for easy, watertight installation
- Can be fixed to timber and steel framework
- Complies with NZ Building Code and E2/AS1 requirements
- Provides a long-lasting and durable external surface
- Has excellent thermal qualities
- Eco friendly. Rated as Super E0 (less than 3 ppm formaldehyde emissions)

Compliance

IPL AlpineClad is manufactured in accordance with AS/NZS 2271 Plywood Exterior. The panels are to be installed in accordance with the building design code. The Engineered Wood Products Association of Australasia (EWPAA or PAA) audits our production processes to ensure we meet the requirements of the product Standard. This third party audited, process based, quality assurance scheme meets the requirements of an ISO Type 5 system for production certificate. The EWPAA is an accredited body to JAS - ANZ under registration No. 2269.

Durability

NZ Building Code clause B2 requires claddings which do not form part of the bracing or structural element to achieve a minimum structural durability level of 15 years. IPL AlpineClad will meet this requirement when coated with stains or paints to manufacturer's specifications. It is preferable to use lighter coloured stains / paints to lessen the effects of greater expansion and contraction which occurs when darker, heat absorbing shades are used.

Preservative Treatment

IPL AlpineClad is envelope treated to H3 with LOSP or CCA for exterior use but is available untreated for interior walls and ceilings. LOSP (Light Organic Solvent Preservative) doesn't discolour the panel surface and because no water is used in the treatment process panels retain uniform dimensions. Panels treated with H3.1 LOSP must be checked for residual solvent and if necessary placed in a well ventilated area to allow the solvent to disperse before painting or staining.



Fastener Types & Sizes

Nails	Direct Fix	Cavity Fix
Hot Dipped Galvanised	50 x 2.8mm	60x 2.8mm
Screws		
Stainless Steel	40mm x 8g	65mm x 8g

NOTE: Exposure Zones are detailed in NZS 3604 Section 4.

Galvanised Hot Dipped nails are acceptable for H3.1 LOSP in Zones B and C.

In Zone D Stainless Steel screws must be used. H3.2 requires Stainless Steel screws to be used in all Zones.



Technical details

Type	Sheet Size (mm)	Thickness (mm)	Ply	Grade	Surface	Groove Size (mm)	Groove Centres (mm)
1000/100	2440x1216	12	5	S	Bandsawn	6 x 8 wide	100
1000/150	2440x1216	12	5	S	Bandsawn	6 x 8 wide	150
1000/200	2440x1216	12	5	S	Bandsawn	6 x 8 wide	200
3000	2440x1216	12	5	S	Bandsawn	No Grooves	
3000 Superior	2440x1216	17	5	S	Bandsawn	No Grooves	

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Greymouth
New Zealand

T. 0800 650 801

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Name

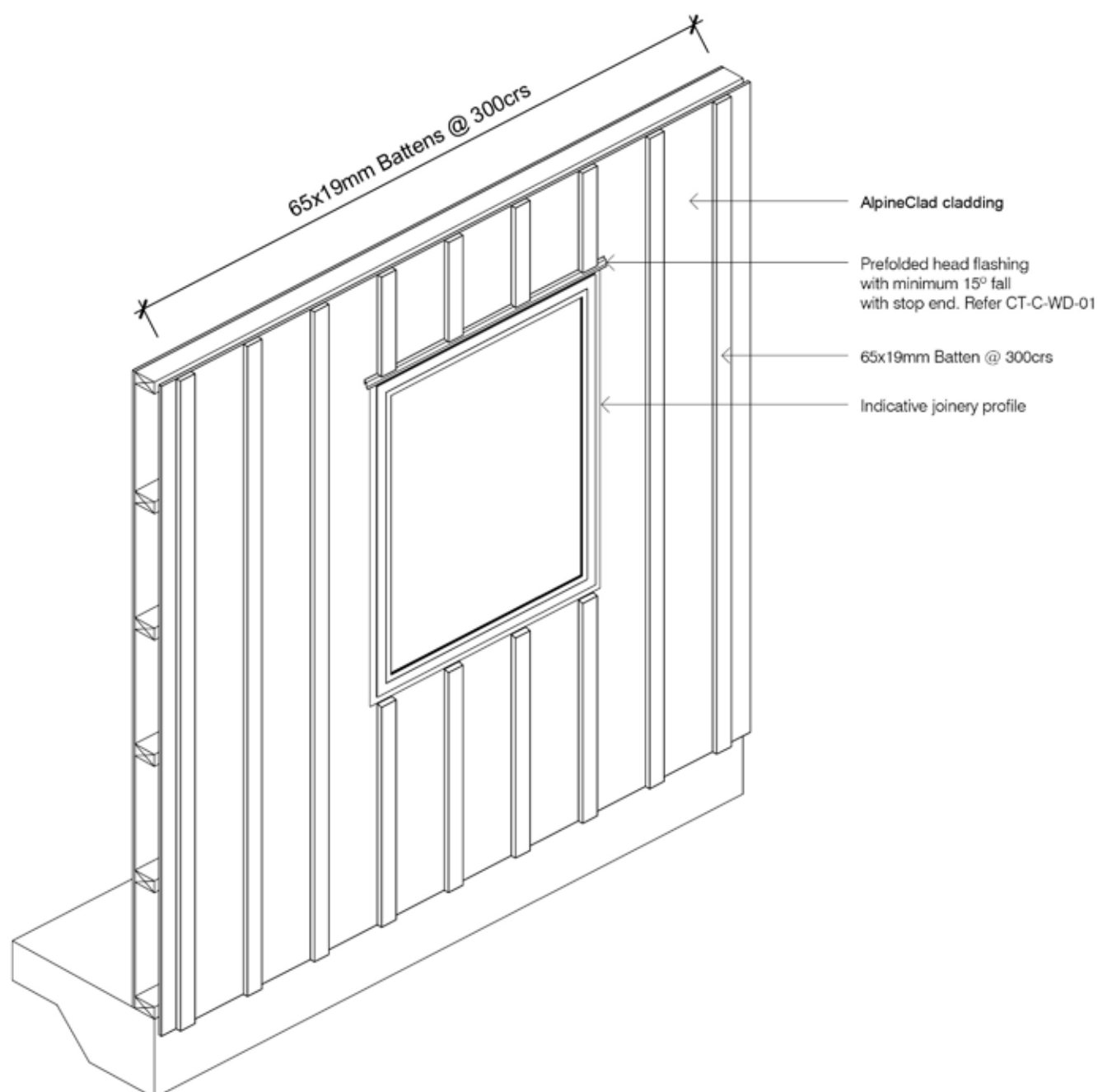
Drawing Index Cavity

Scale

01/03/2017
DateCT-C-00
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271
- 7 .Treat all cut edges with with Holdfast Metalex Clear



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Batten Setout

1 : 20 @ A4
Scale

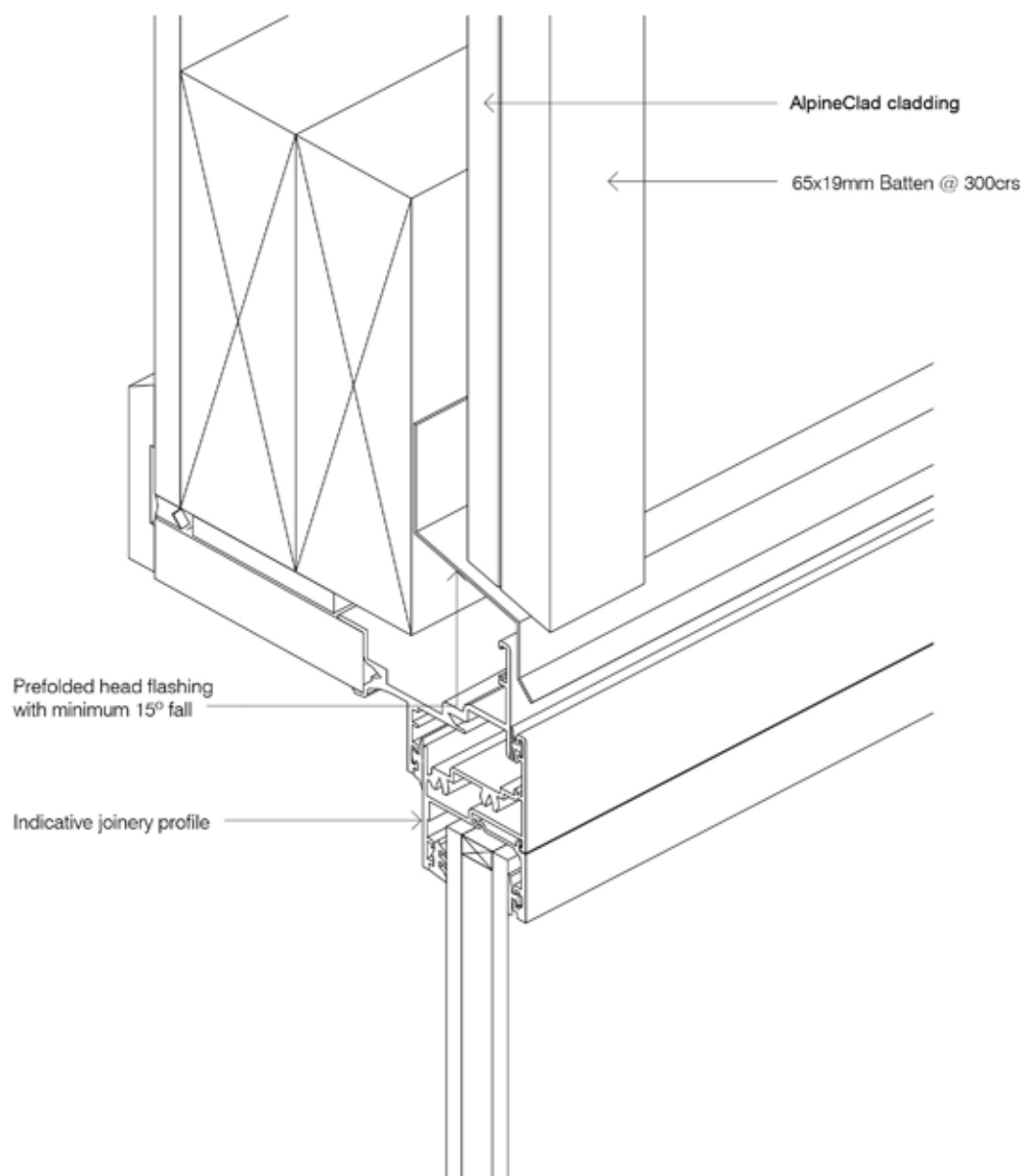
01/03/2017
Date

CT-C-BN-01
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271
- 7 .Treat all cut edges with Holdfast Metalex Clear

NOTE: Building wrap and tapes not shown in drawing



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Aluminium Window Head Detail

1 : 2 @ A4
Scale

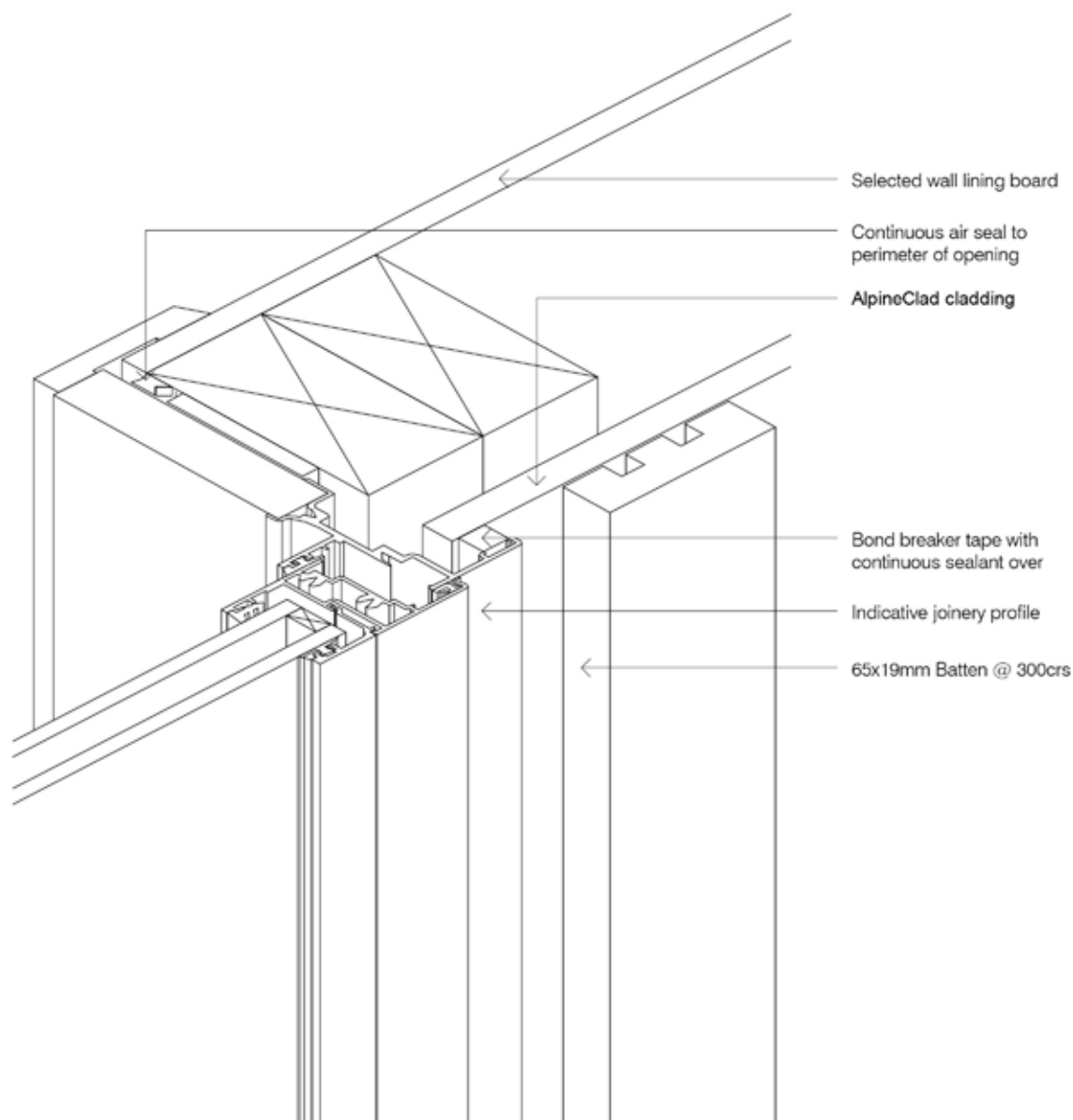
01/03/2017
Date

CT-C-BN-02
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271
- 7 .Treat all cut edges with Holdfast Metalex Clear

NOTE: Building wrap and tapes not shown in drawing



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Aluminium Window Jamb Detail

1 : 2 @ A4
Scale

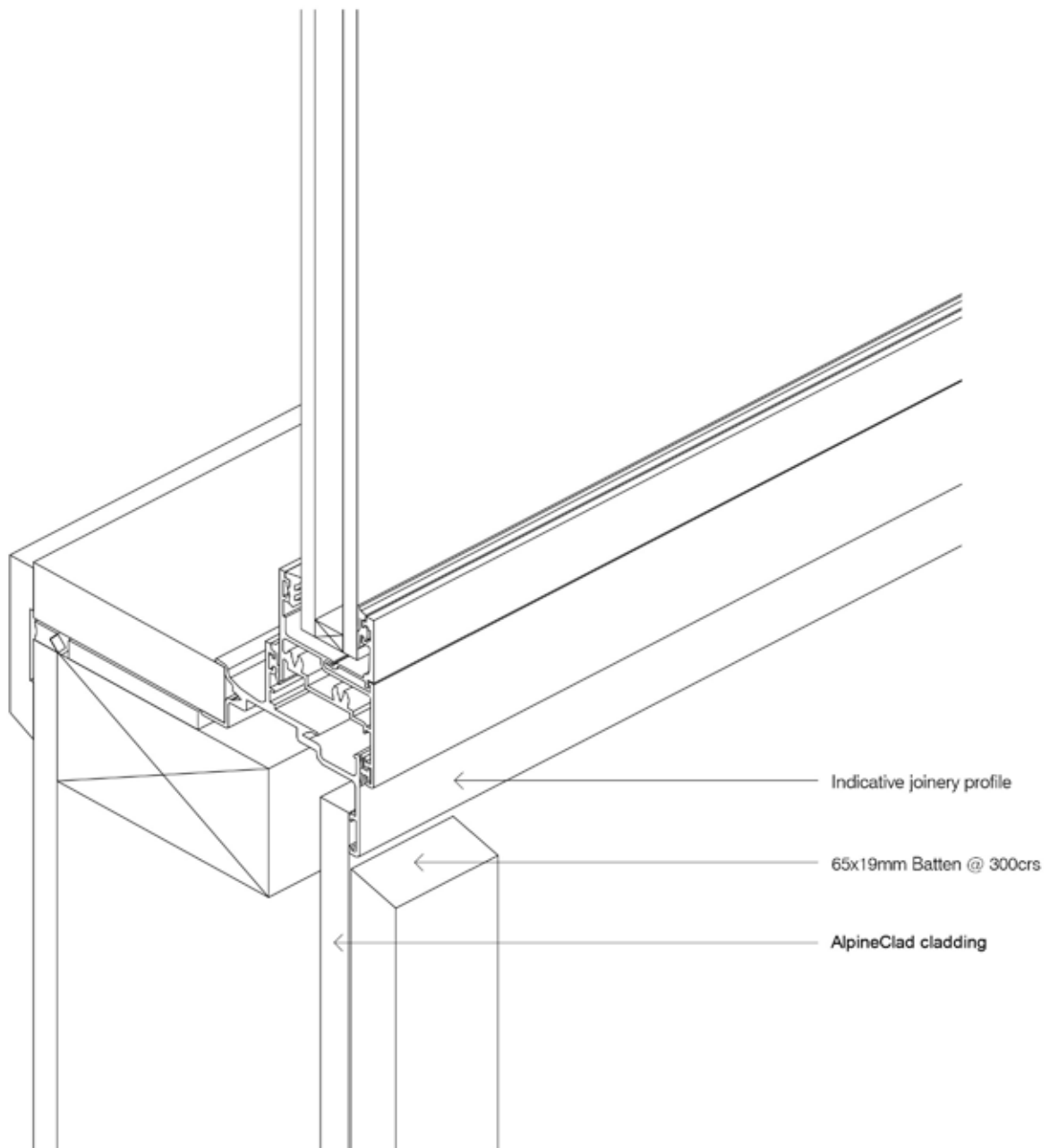
01/03/2017
Date

CT-C-BN-03
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271
- 7 .Treat all cut edges with Holdfast Metalex Clear

NOTE: Building wrap, tapes and WANZ bar not shown in drawing



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Aluminium Window Sill Detail

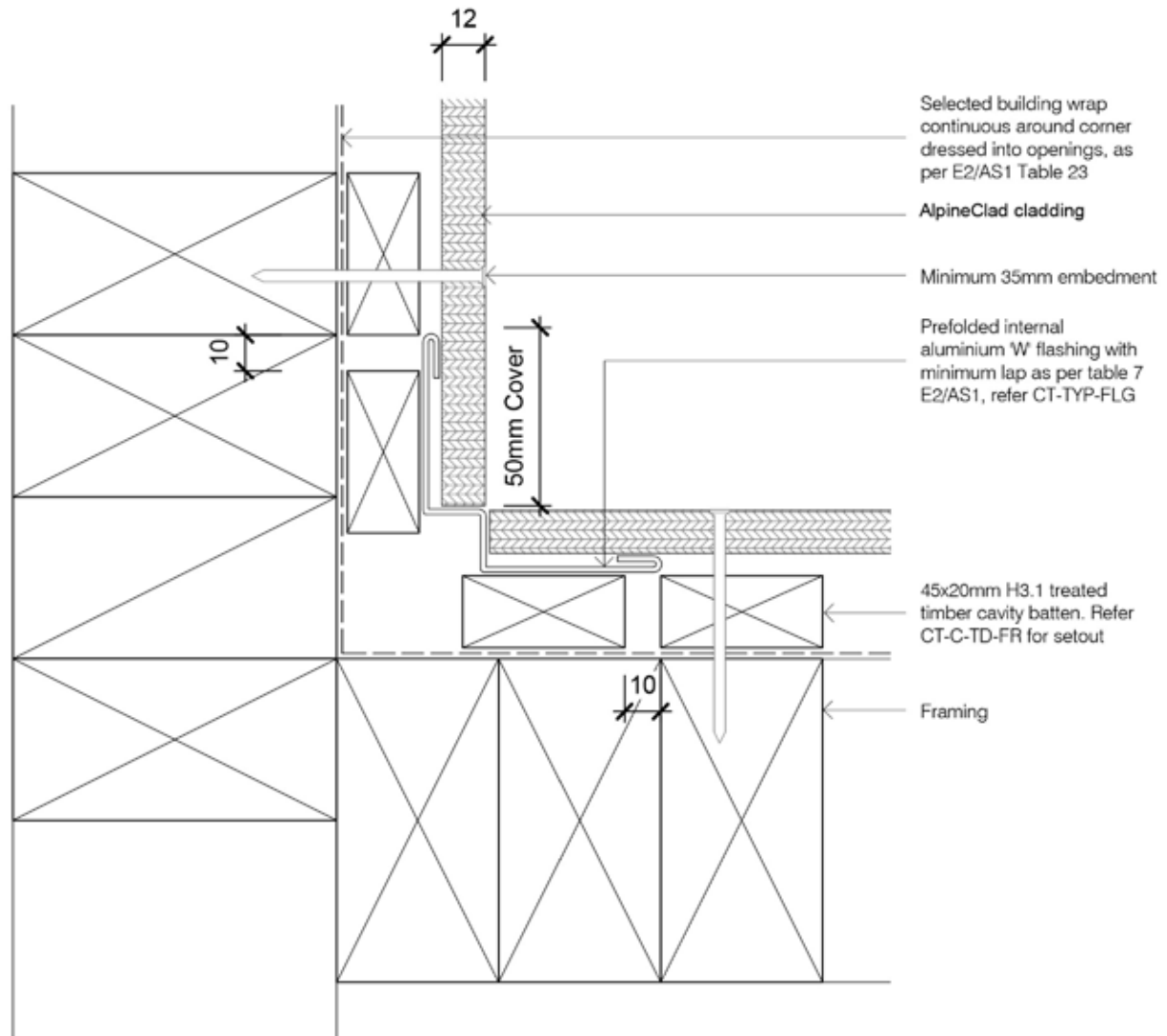
1 : 2 @ A4
Scale

01/03/2017
Date

CT-C-BN-04
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271
- 7 .Treat all cut edges with Holdfast Metalex Clear


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Internal Corner Detail - W Flashing

1 : 2 @ A4
Scale

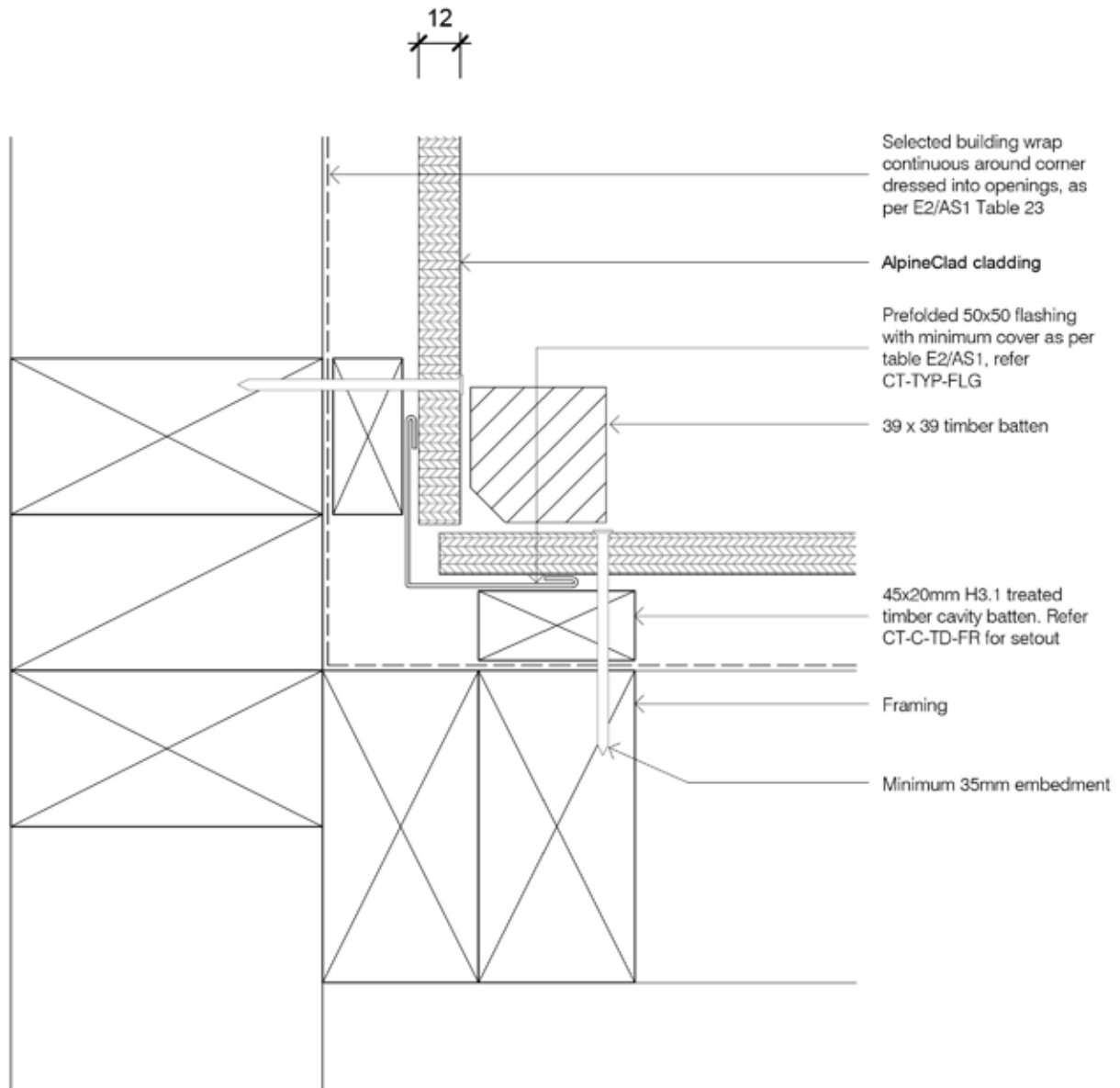
01/03/2017
Date

CT-C-CN-01
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
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- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
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- 6 .Plywood to comply with NZS 2271
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Internal Corner Detail Corner Bead

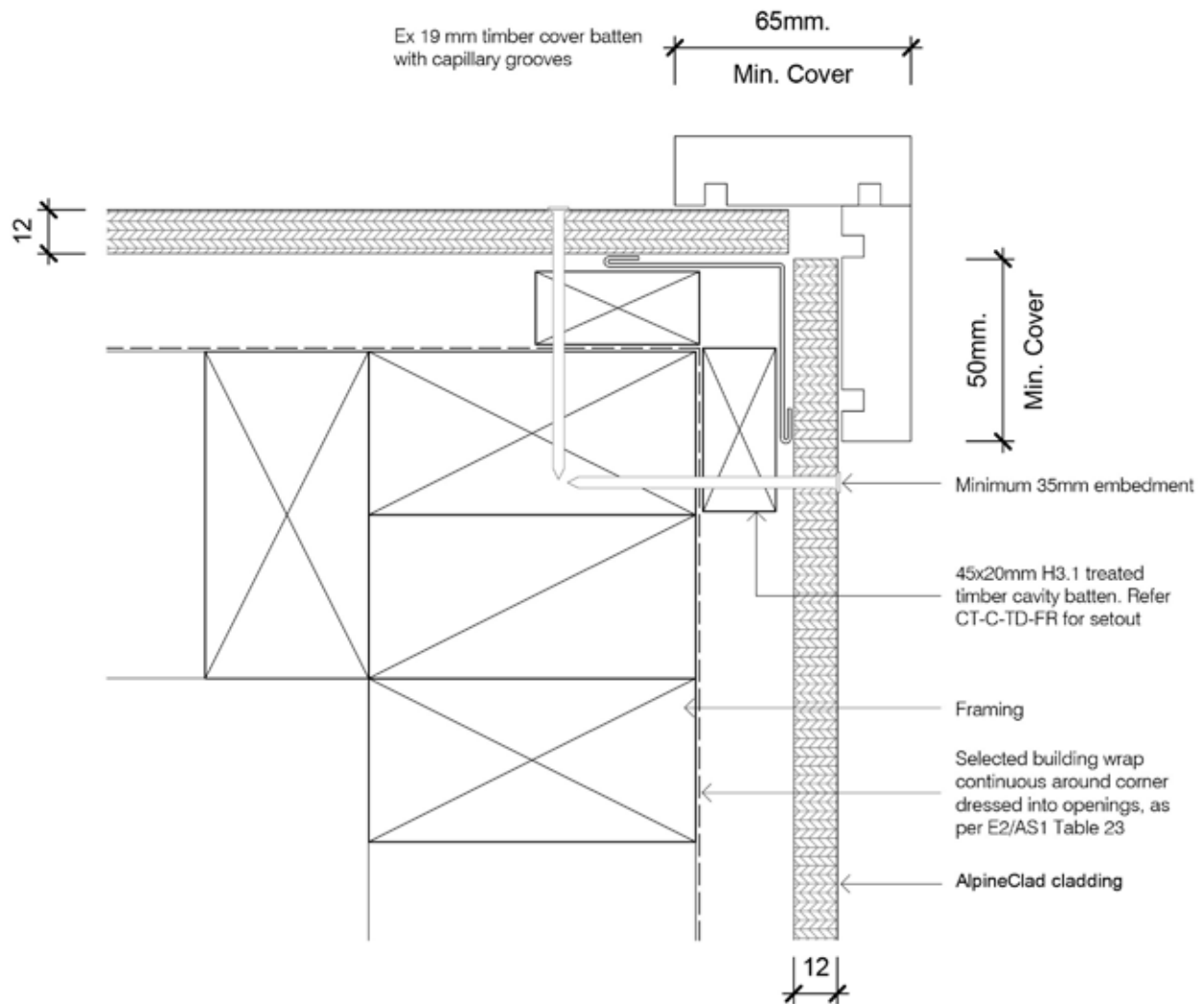
1 : 2 @ A4
Scale

01/03/2017
Date

CT-C-CN-02
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
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External Corner Detail Batten

1 : 2 @ A4
Scale

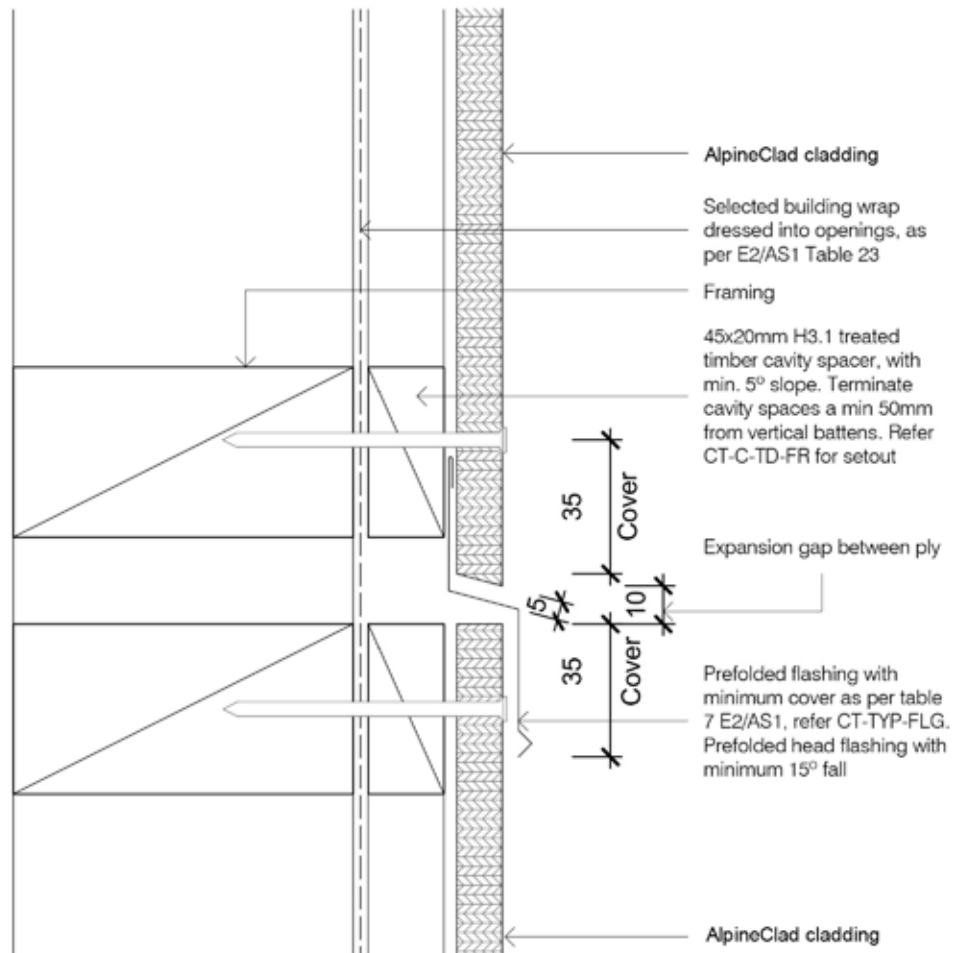
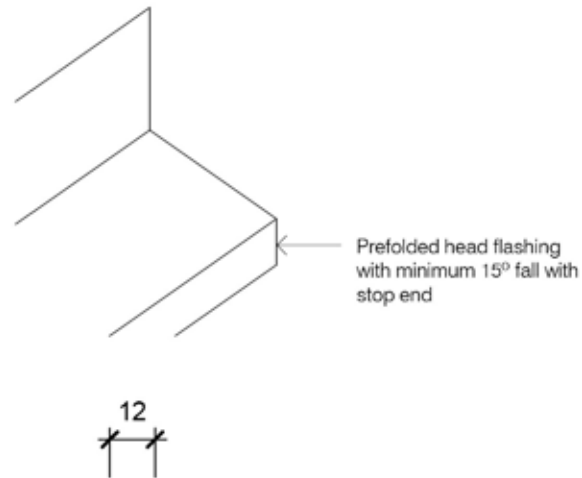
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Date

CT-C-CN-03
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
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- 7 .Treat all cut edges with Holdfast Metalex Clear

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Horizontal Flashing Joint Detail

1 : 2 @ A4
Scale

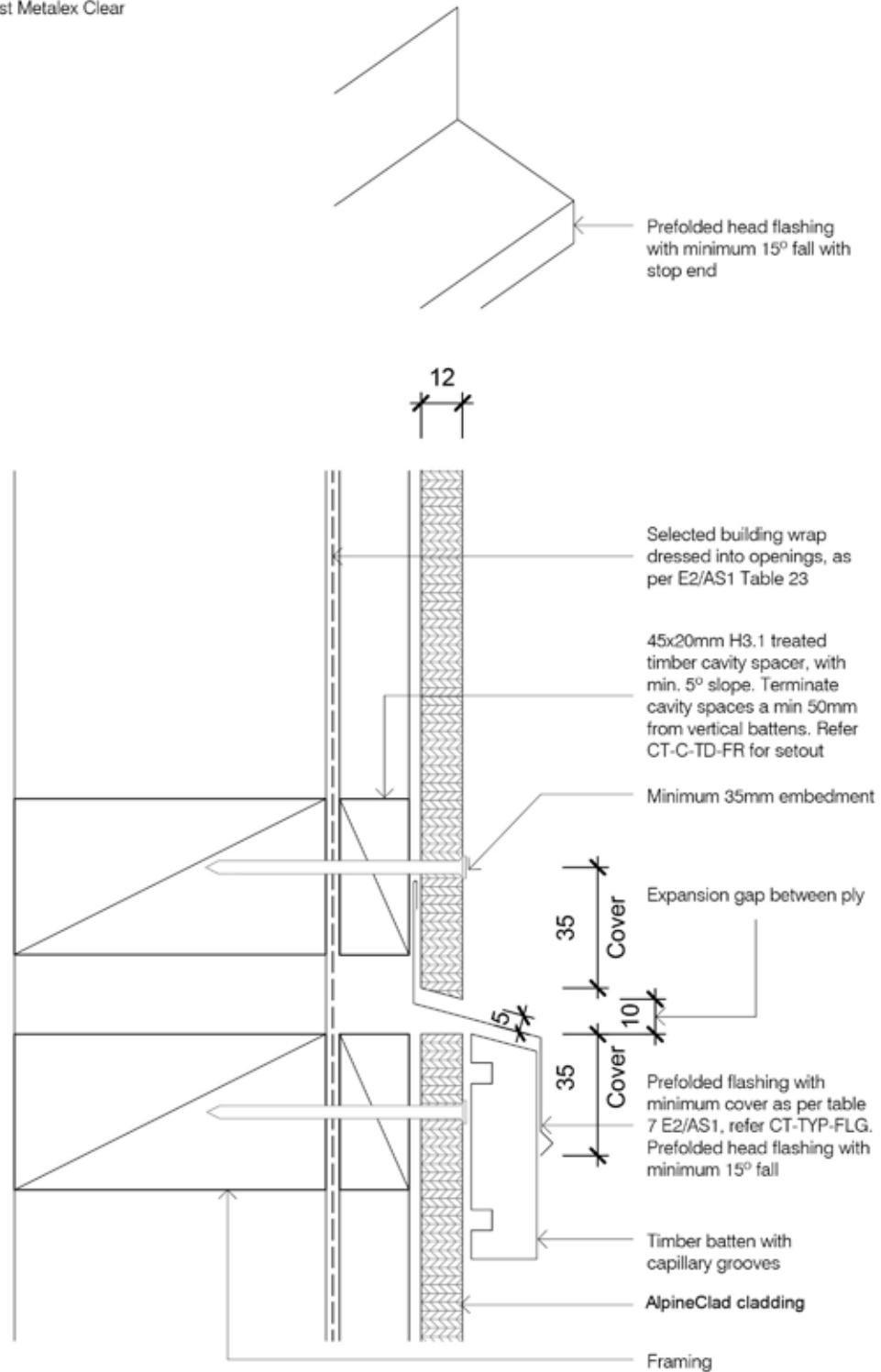
01/03/2017
Date

CT-C-HD-01
Dwg

NOTES:

1. All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
2. Building wrap and underlays to table 23 E2/AS1.
3. Fixing as per table 24 E2/AS1
4. All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
5. Refer to E2/AS1 clause 9.1.8 for batten setout
6. Plywood to comply with NZS 2271
7. Treat all cut edges with Holdfast Metalex Clear

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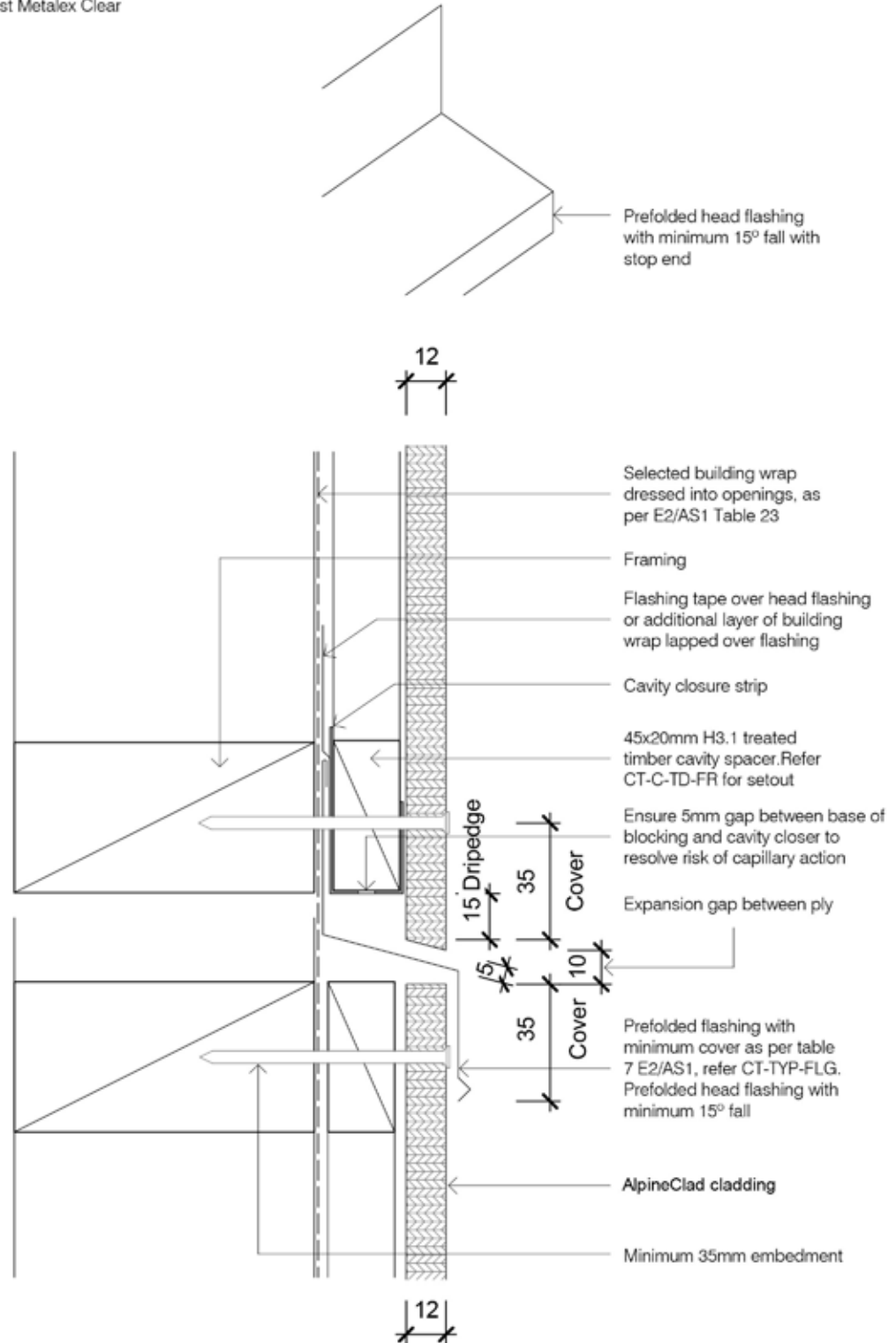
Horizontal Batten Joint Detail

1 : 2 @ A4
Scale01/03/2017
DateCT-C-HD-02
Dwg

NOTES:

1. All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
2. Building wrap and underlays to table 23 E2/AS1.
3. Fixing as per table 24 E2/AS1
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5. Refer to E2/AS1 clause 9.1.8 for batten setout
6. Plywood to comply with NZS 2271
7. Treat all cut edges with Holdfast Metalex Clear

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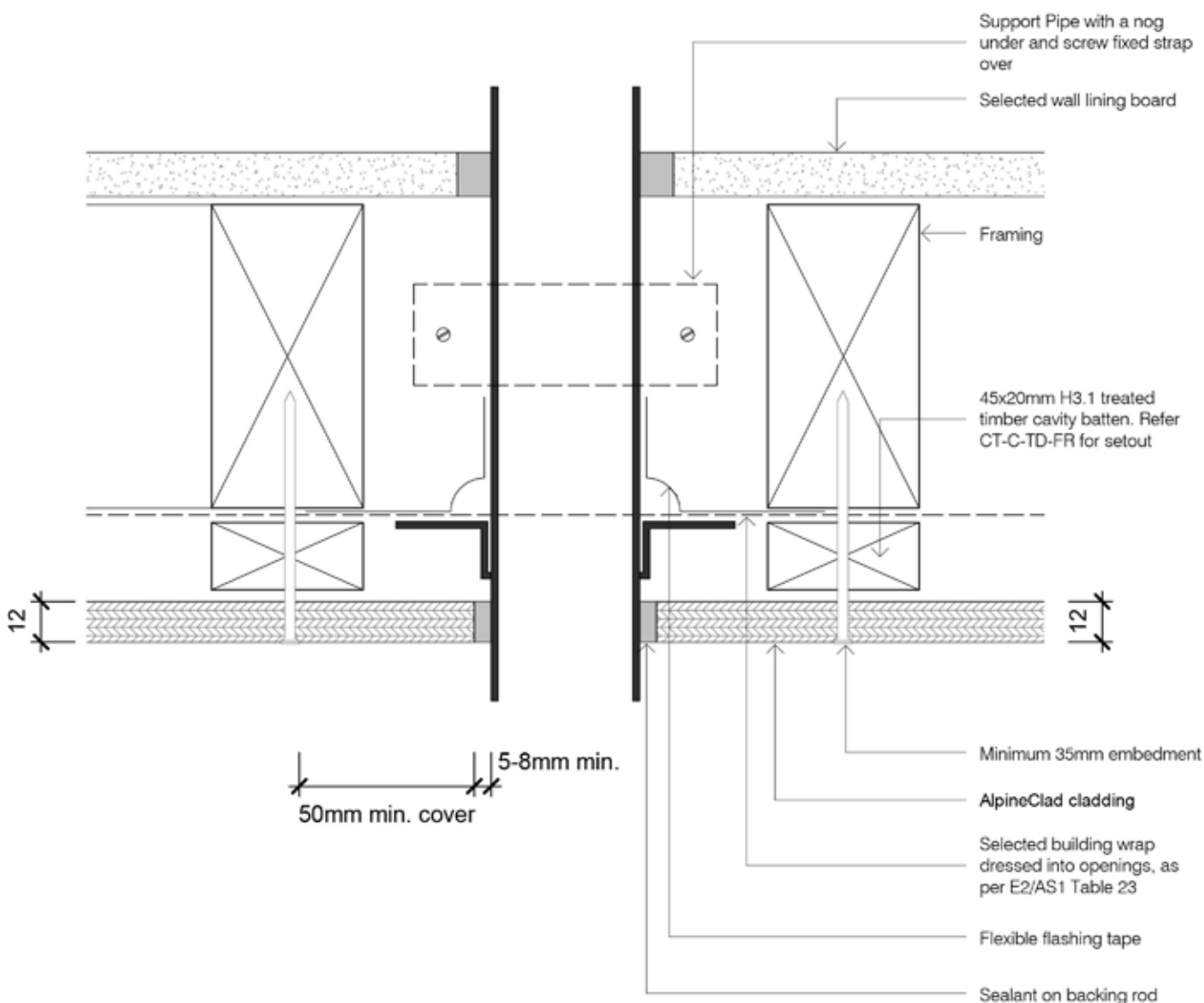
Horizontal Flashing Joint Detail Interfloor
Detail

1 : 2 @ A4
Scale

01/03/2017
Date

CT-C-HD-03
Dwg

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
 - 2 .Building wrap and underlays to table 23 E2/AS1.
 - 3 .Fixing as per table 24 E2/AS1
 - 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
 - 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
 - 6 .Plywood to comply with NZS 2271
 - 7 .Treat all cut edges with Holdfast Metalex Clear
 - 8 . Penetrations to comply to E2/AS1 clause 9.1.9
- NOTE: Pipe to be angled with 5° min. fall



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Pipe Penetration Detail

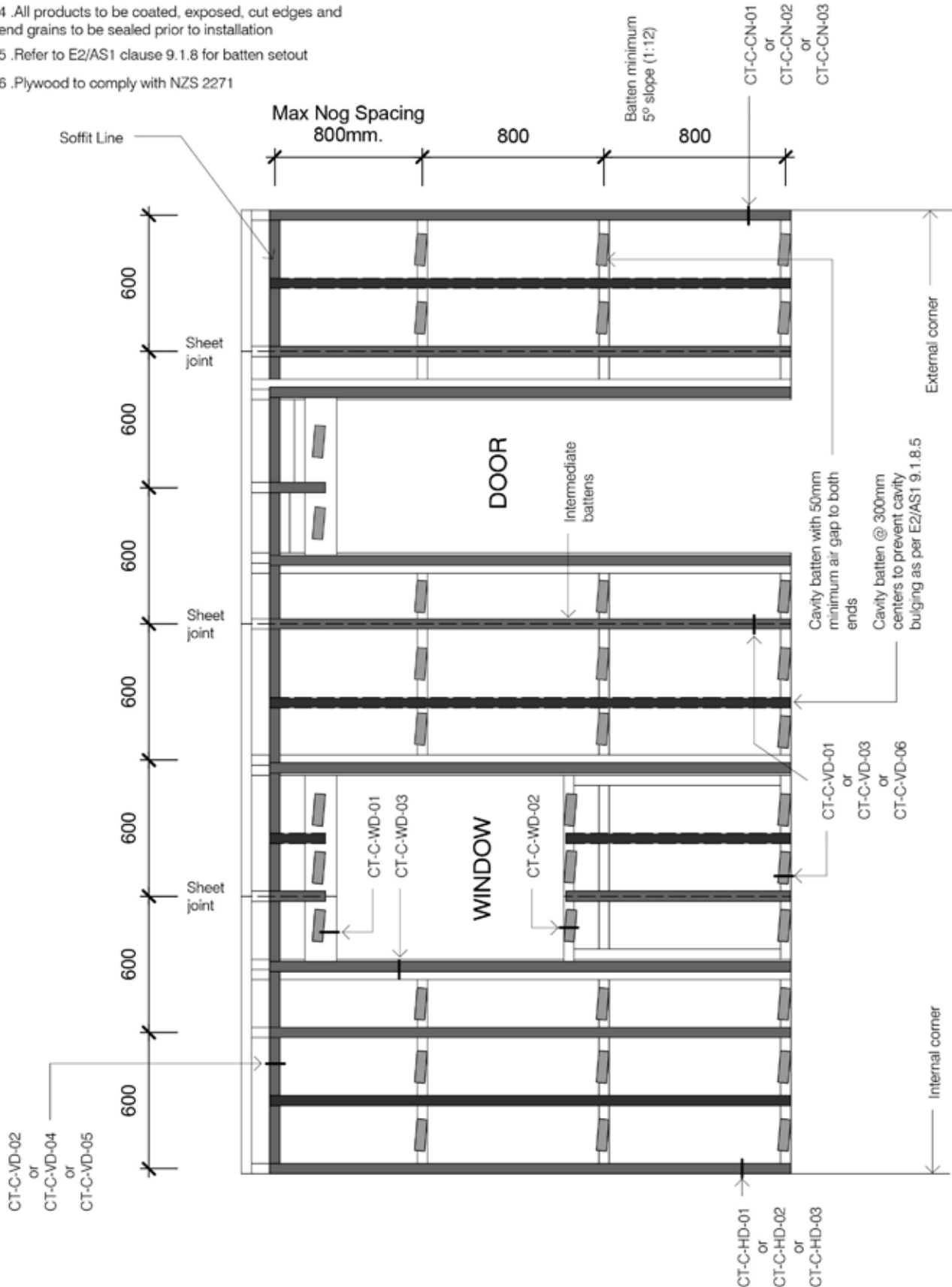
1 : 2 @ A4
Scale

01/03/2017
Date

CT-C-HD-04
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271


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Typical Frame & Batten Setout

1 : 25 @ A4
Scale

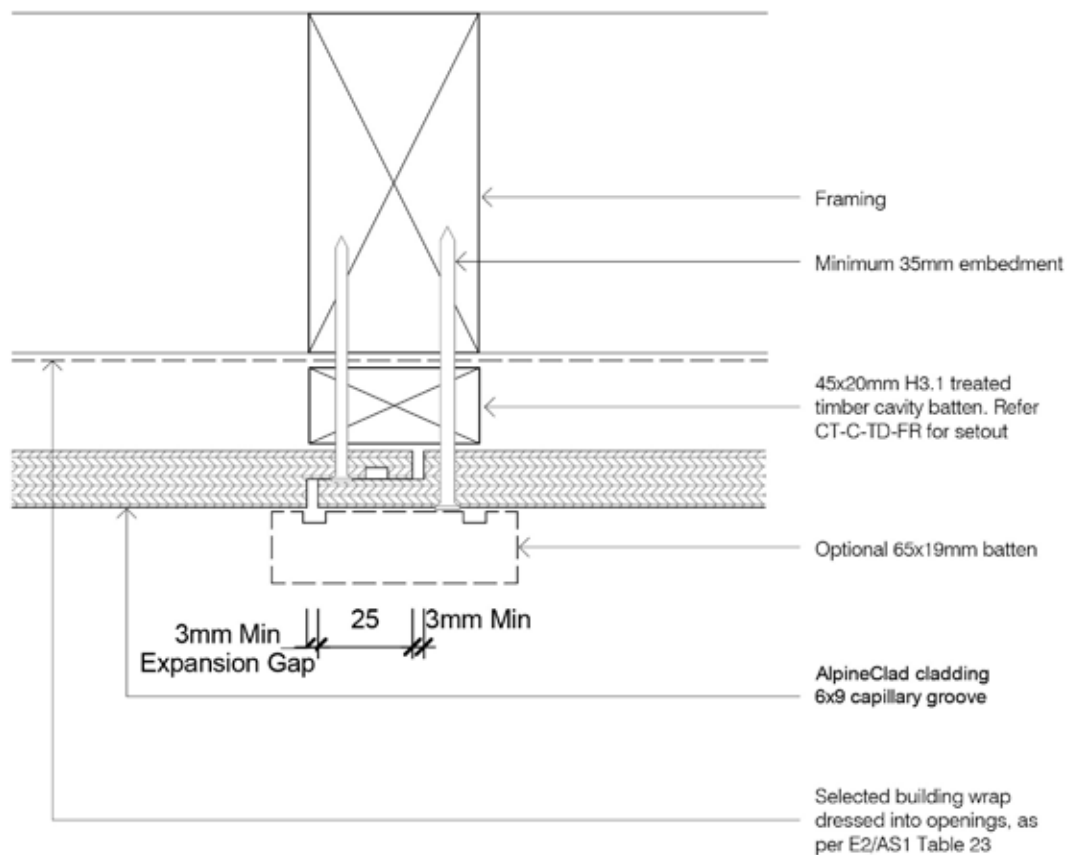
01/03/2017
Date

CT-C-TD-FR
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271
- 7 .Do not nail through weather grooves

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Vertical Lapped Joint Detail

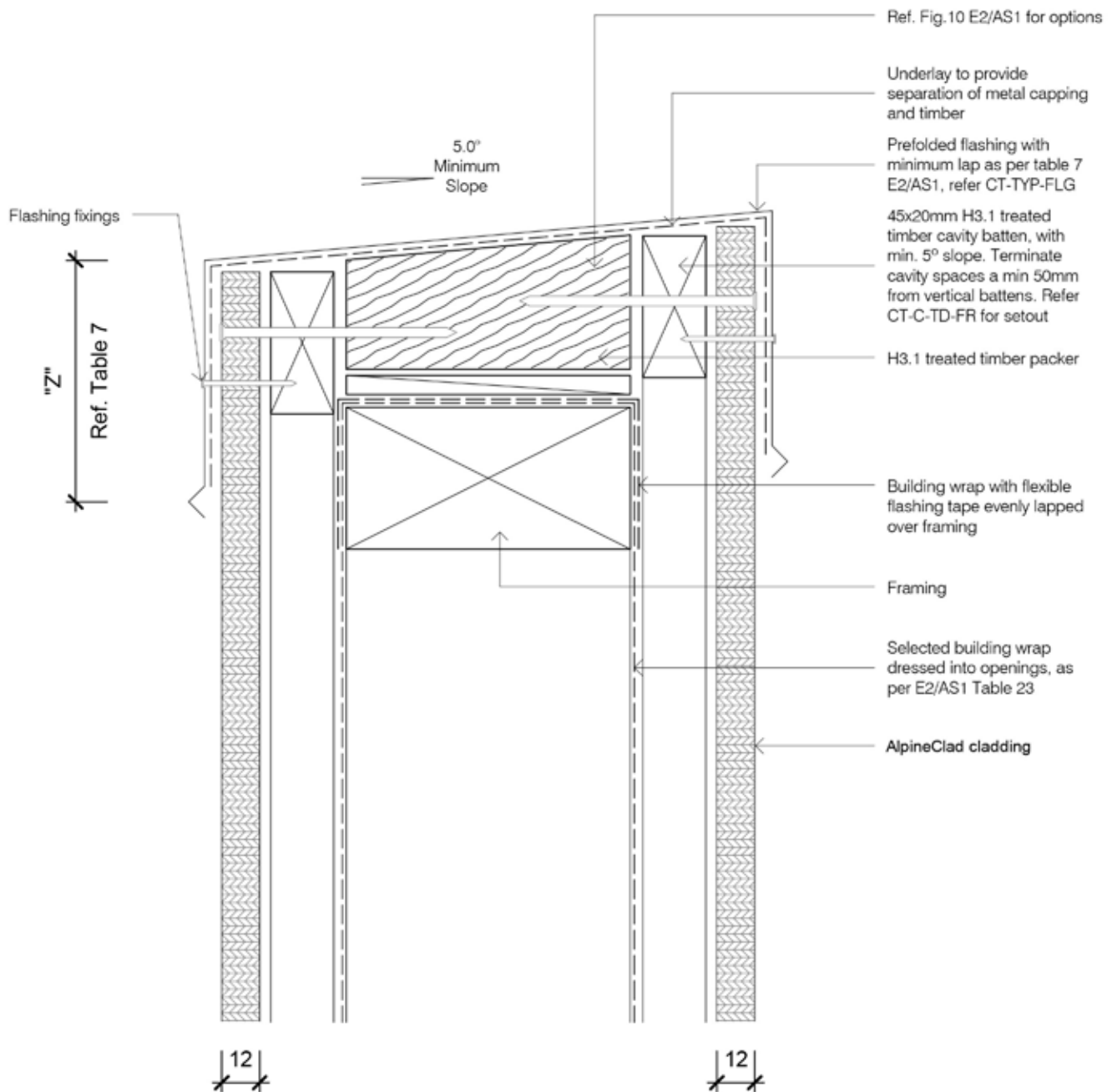
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Scale

01/03/2017
Date

CT-C-VD-01
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271
- 7 .Treat all cut edges with Holdfast Metalex Clear

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Name

Parapet Detail

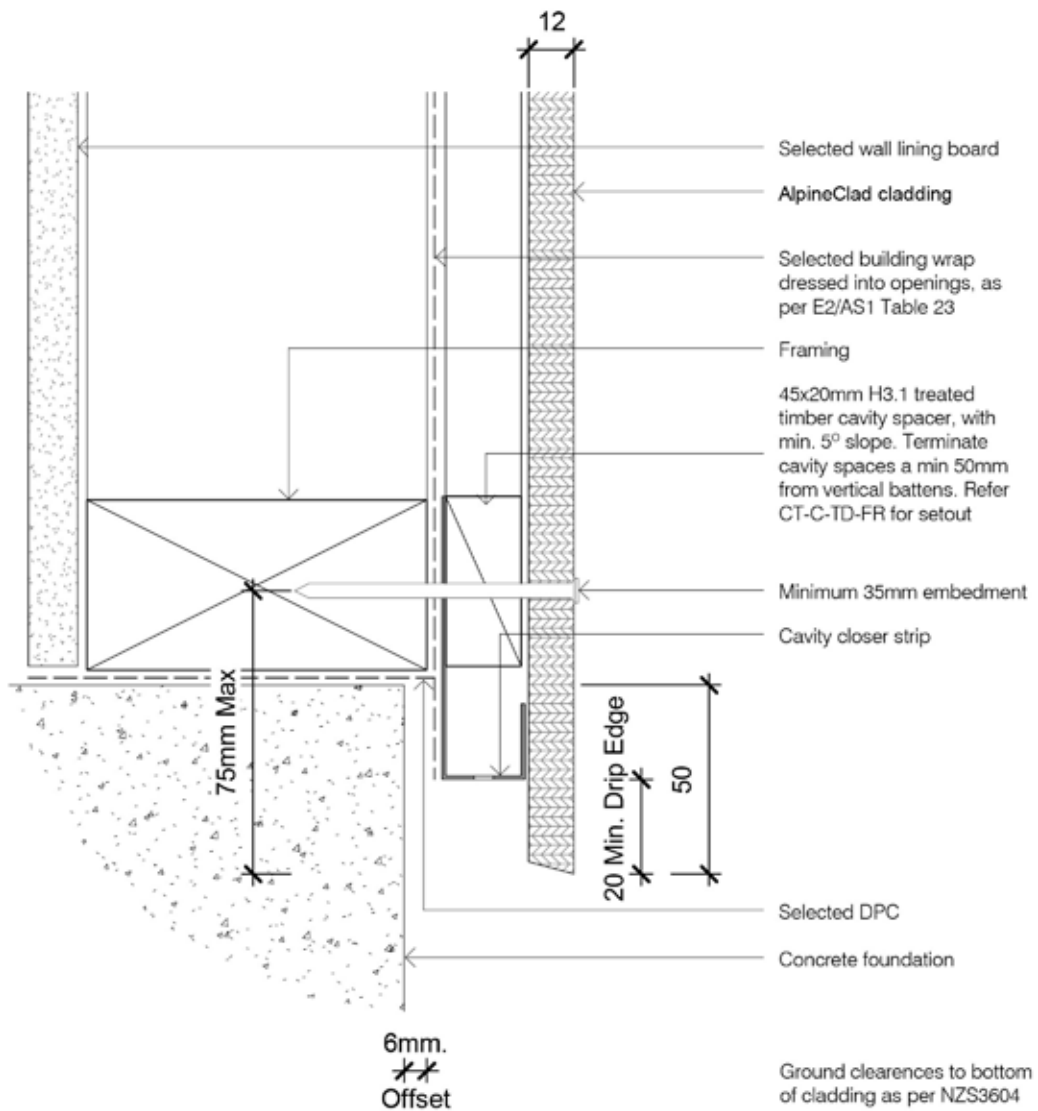
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Scale

01/03/2017
Date

CT-C-VD-02
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
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- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
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Bottom Plate Detail

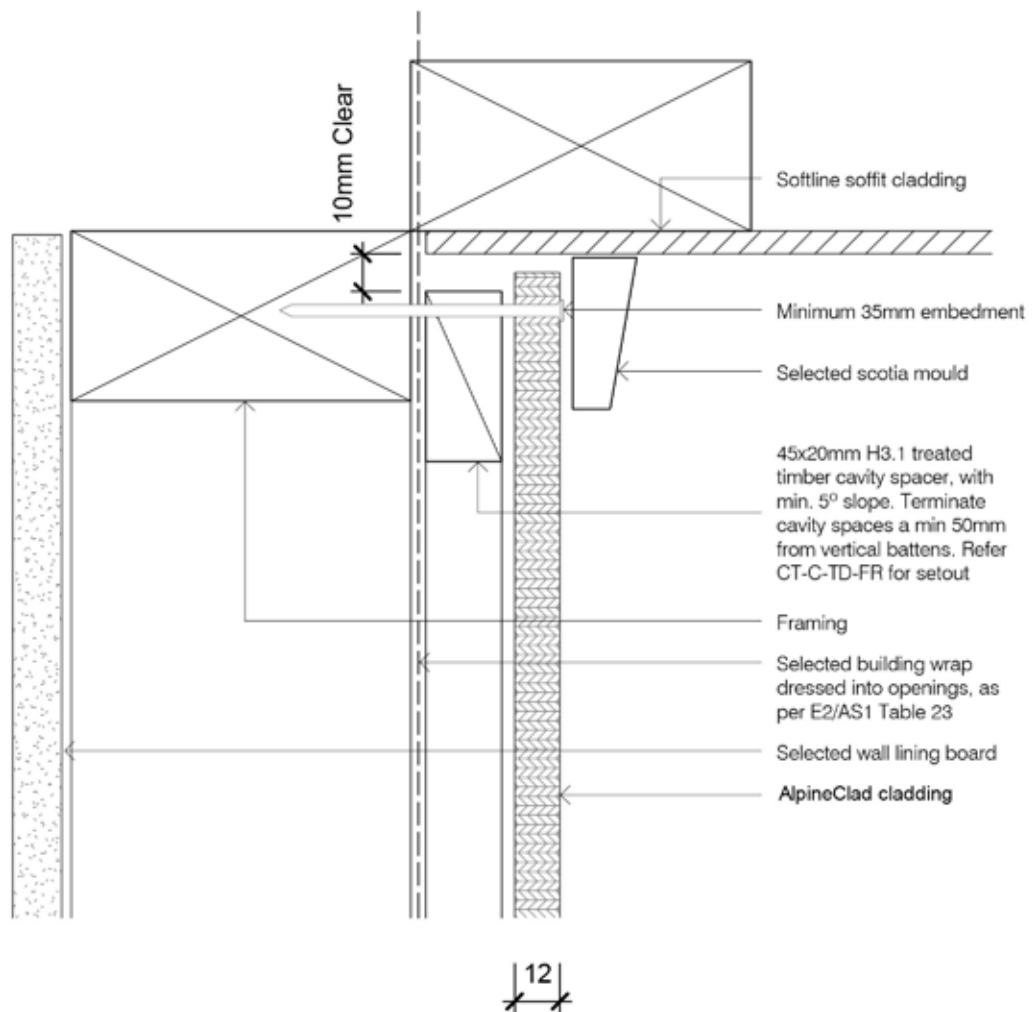
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Scale

01/03/2017
Date

CT-C-VD-03
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271
- 7 .Treat all cut edges with Holdfast Metalex Clear

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Top Plate to Soffit Detail

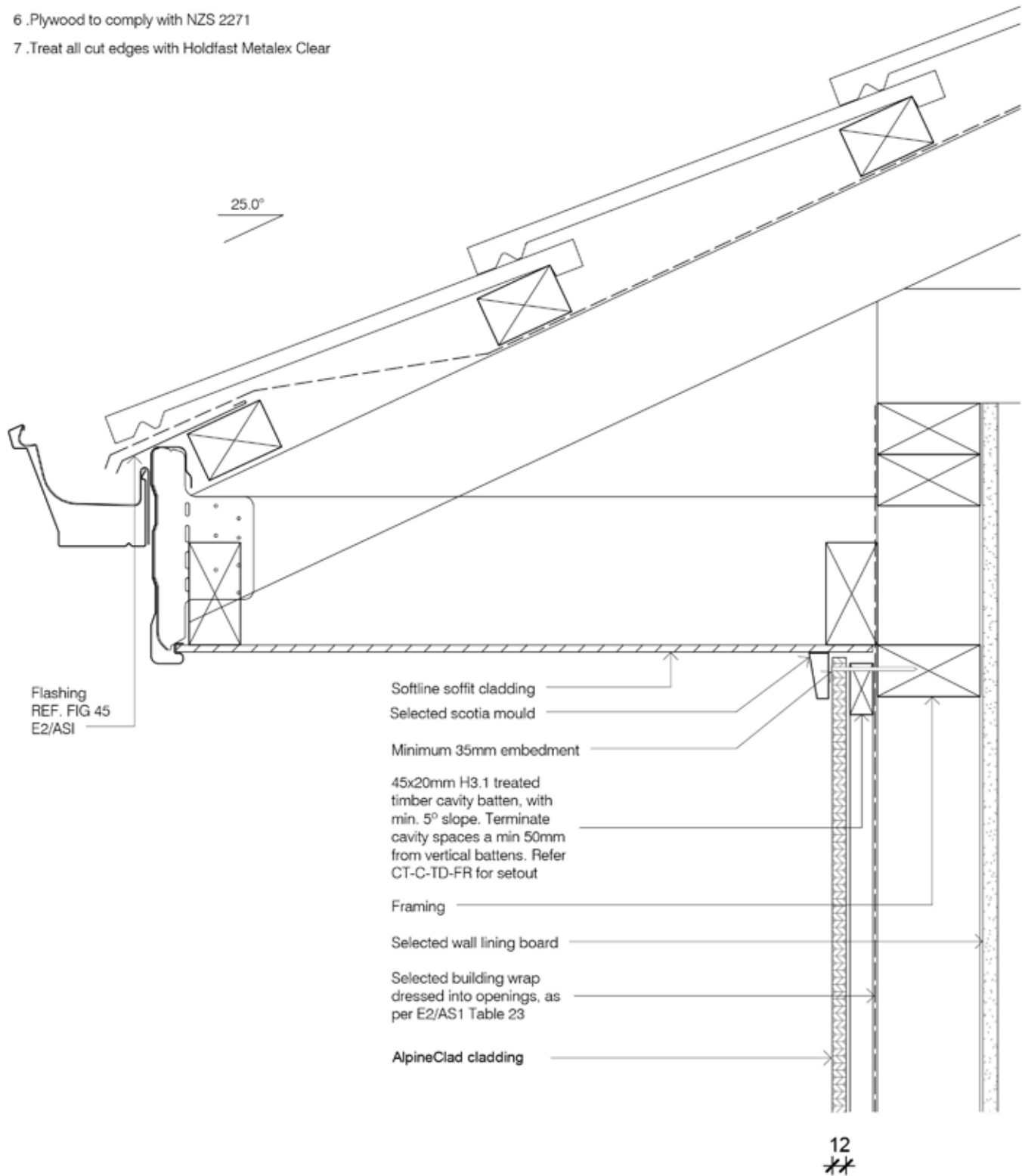
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01/03/2017
Date

CT-C-VD-04
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271
- 7 .Treat all cut edges with Holdfast Metalex Clear

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Soffitline Detail

1 : 5 @ A4
Scale

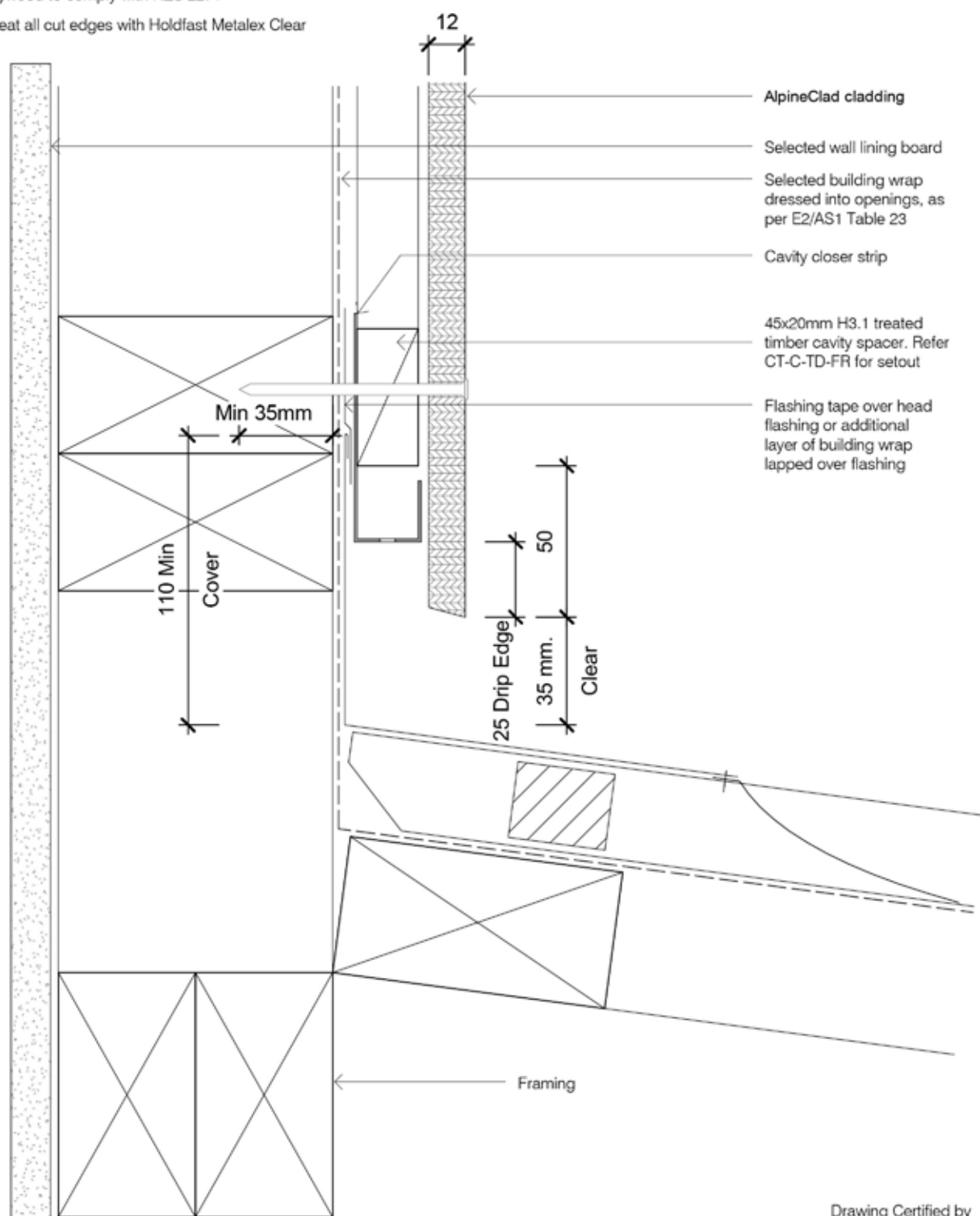
01/03/2017
Date

CT-C-VD-05
Dwg

NOTES:

1. All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
2. Building wrap and underlays to table 23 E2/AS1.
3. Fixing as per table 24 E2/AS1
4. All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
5. Refer to E2/AS1 clause 9.1.8 for batten setout
6. Plywood to comply with NZS 2271
7. Treat all cut edges with Holdfast Metalex Clear

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Drawing Certified by
CGW Consulting Engineers
web: www.cgwl.co.nz



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Roof Apron Flashing Detail

1 : 2 @ A4
Scale

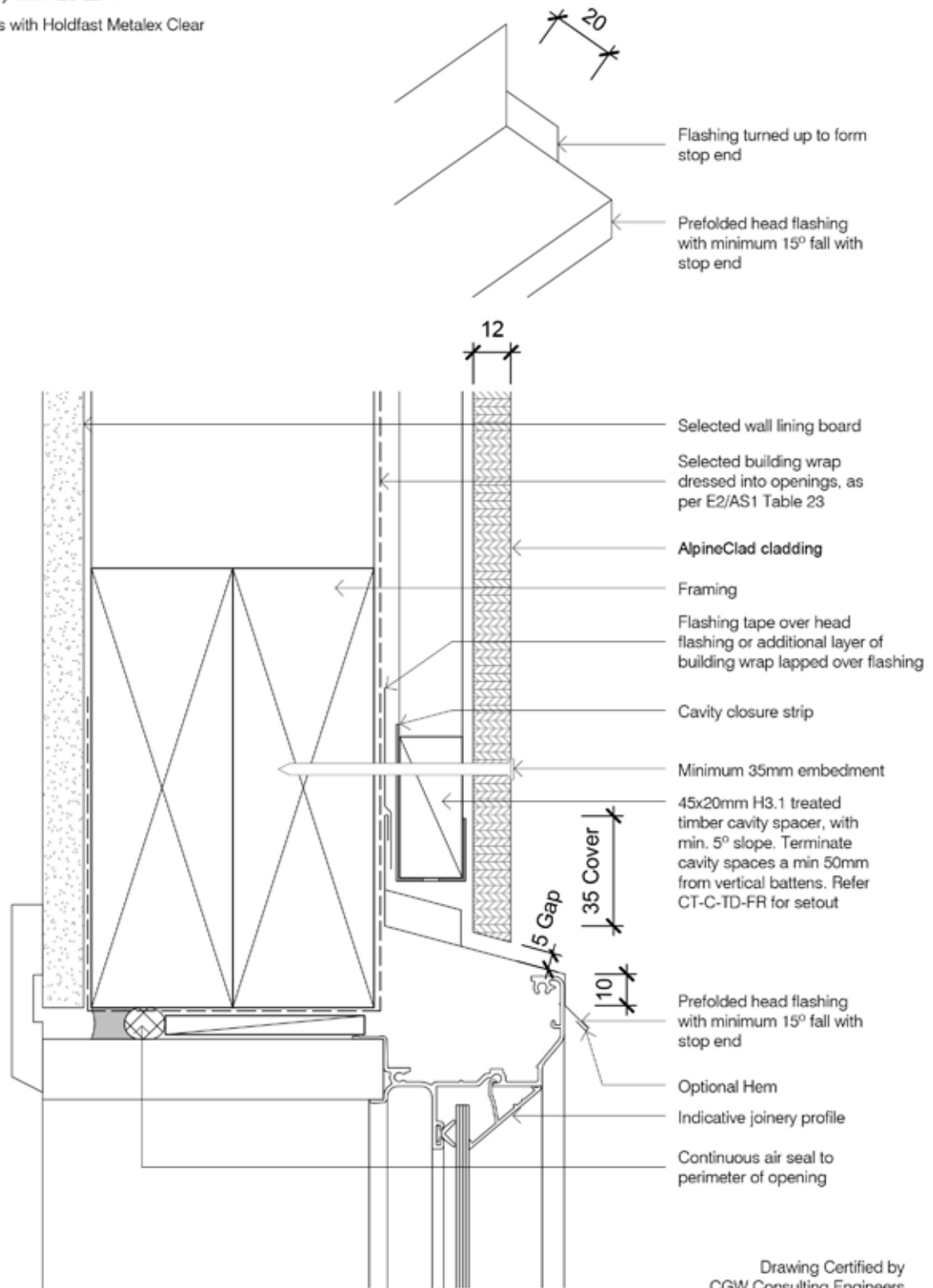
01/03/2017
Date

CT-C-VD-06
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271
- 7 .Treat all cut edges with Holdfast Metalex Clear

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Aluminium Window Head Detail

1 : 2 @ A4
Scale

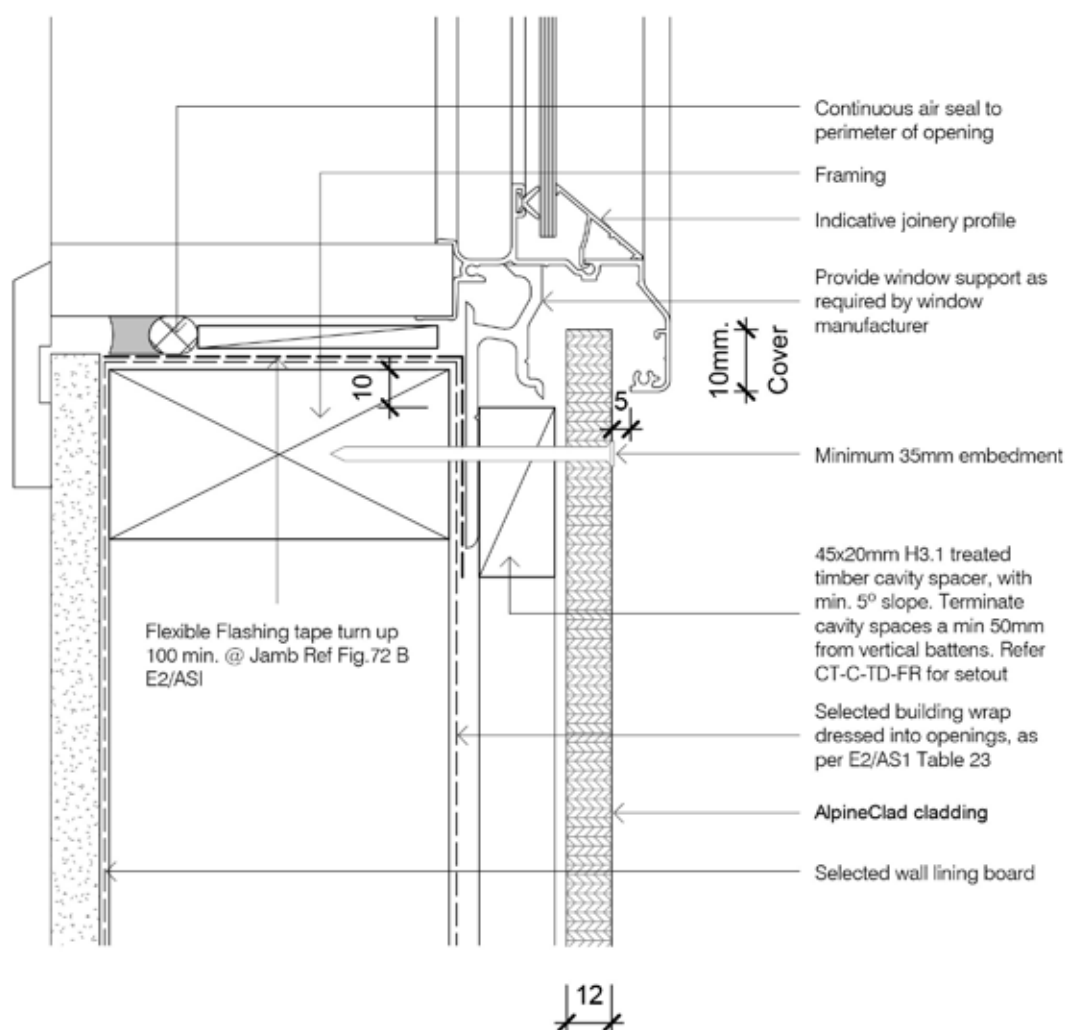
01/03/2017
Date

CT-C-WD-01
Dwg

NOTES:

1. All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
2. Building wrap and underlays to table 23 E2/AS1.
3. Fixing as per table 24 E2/AS1
4. All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
5. Refer to E2/AS1 clause 9.1.8 for batten setout
6. Plywood to comply with NZS 2271
7. Treat all cut edges with Holdfast Metalex Clear

AlpineClad

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Name

Aluminium Window Sill Detail

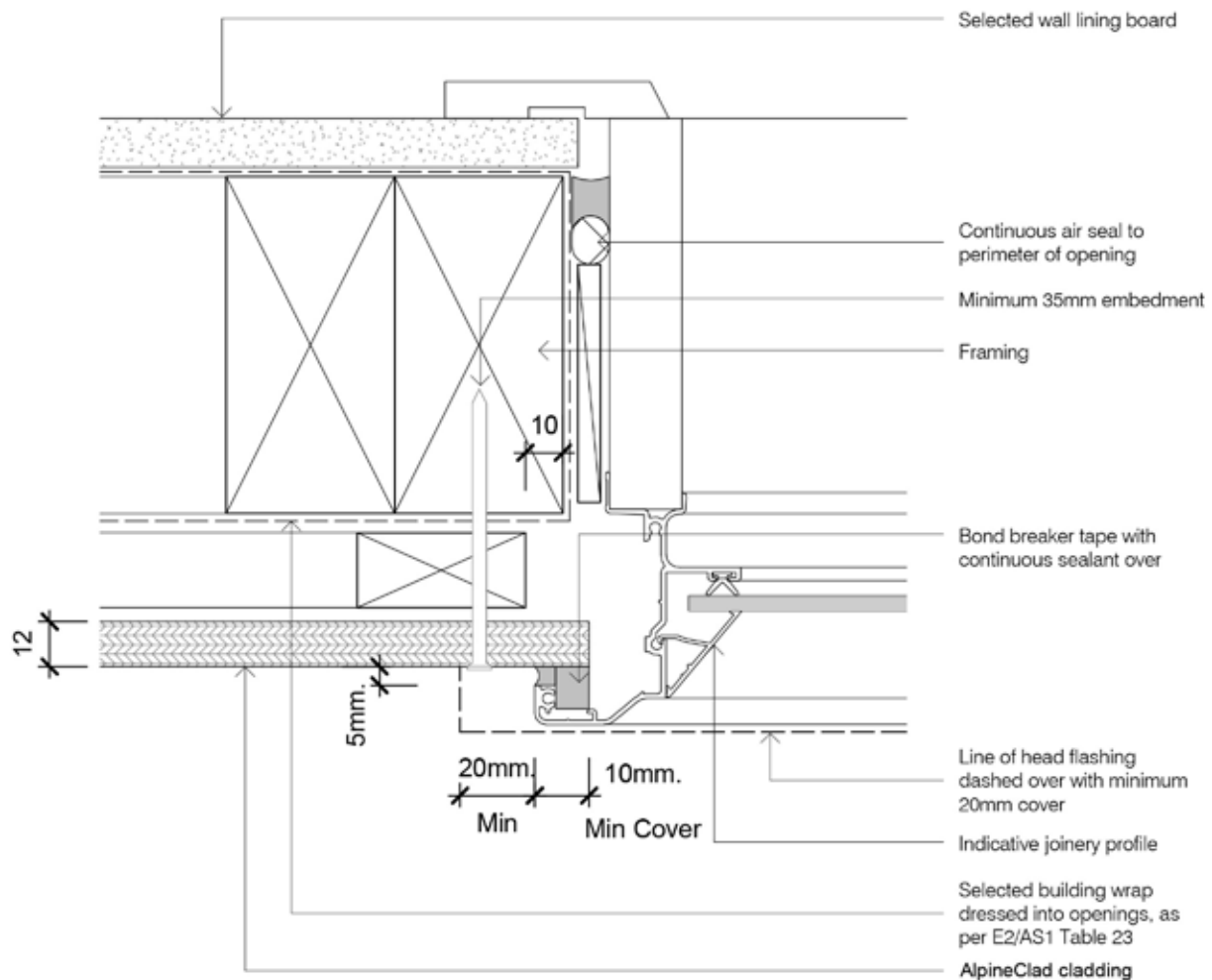
1 : 2 @ A4
Scale

01/03/2017
Date

CT-C-WD-02
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271

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Name

Aluminium Window Jamb Detail

1 : 2 @ A4
Scale

01/03/2017
Date

CT-C-WD-03
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271

KEY

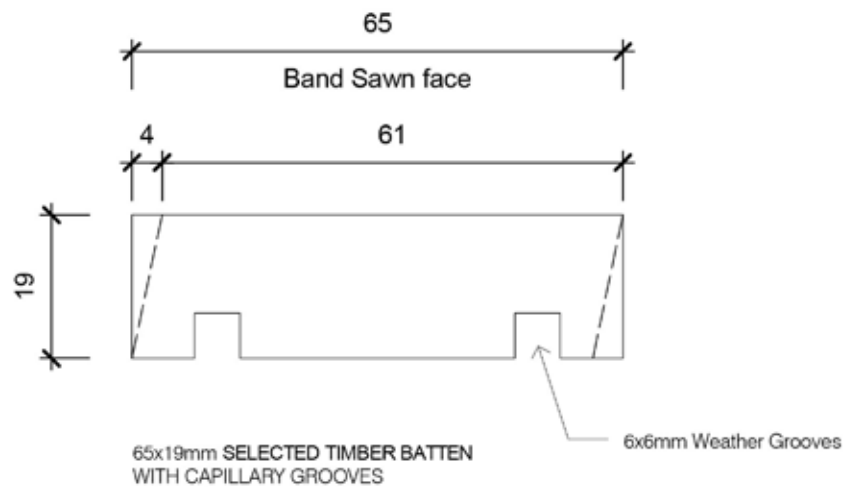
— — — — Sloped edge for horizontal use 4mm

Bond – Sikaflex 11 FC

NOTE: Slope to drain outwards

Batten Fixings:

Sikaflex 11 FC adhesive system with mechanical fixing into top and bottom plates and intermediate horizontal framing at 900crs max.



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Name

Typical Batten

1 : 1 @ A4
Scale

01/03/2017
Date

CT-TYP-BTN1
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271

KEY

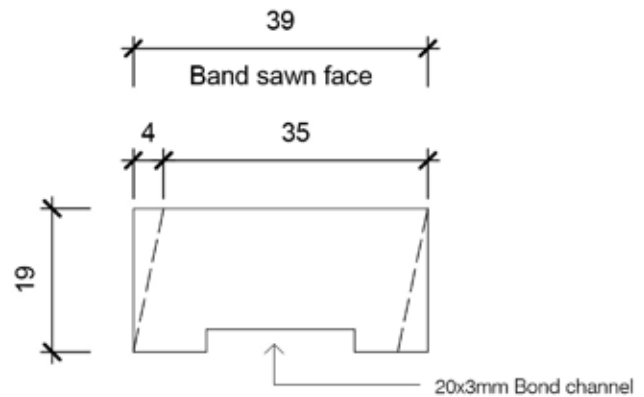
— — — — Sloped edge for horizontal use 4mm

Bond — Sikaflex 11 FC

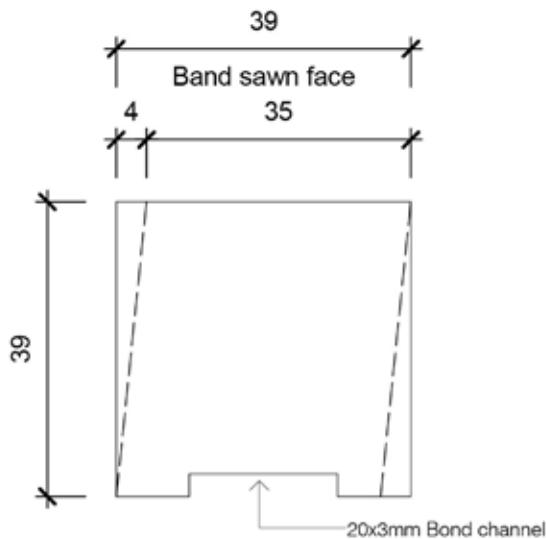
NOTE: Slope to drain outwards

Batten Fixings:

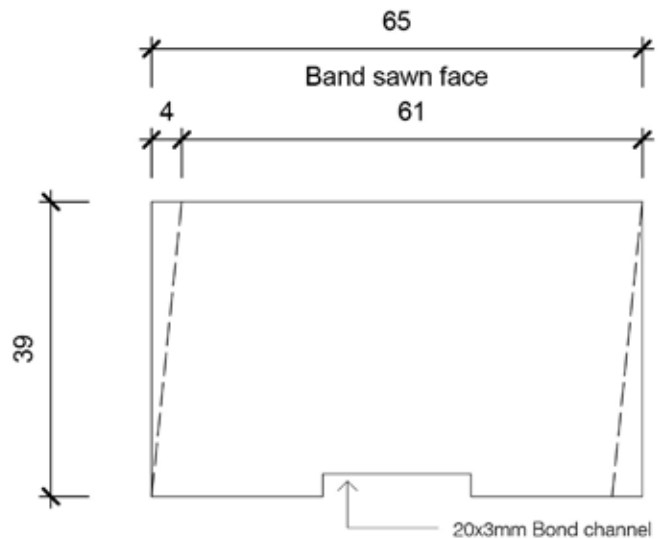
Sikaflex 11 FC adhesive system with mechanical fixing into top and bottom plates and intermediate horizontal framing at 900cfs max.



39x19mm SELECTED TIMBER BATTEN
Not over sheet joints



39x39mm SELECTED TIMBER BATTEN
Not over sheet joints



65x39mm SELECTED TIMBER BATTEN



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Name

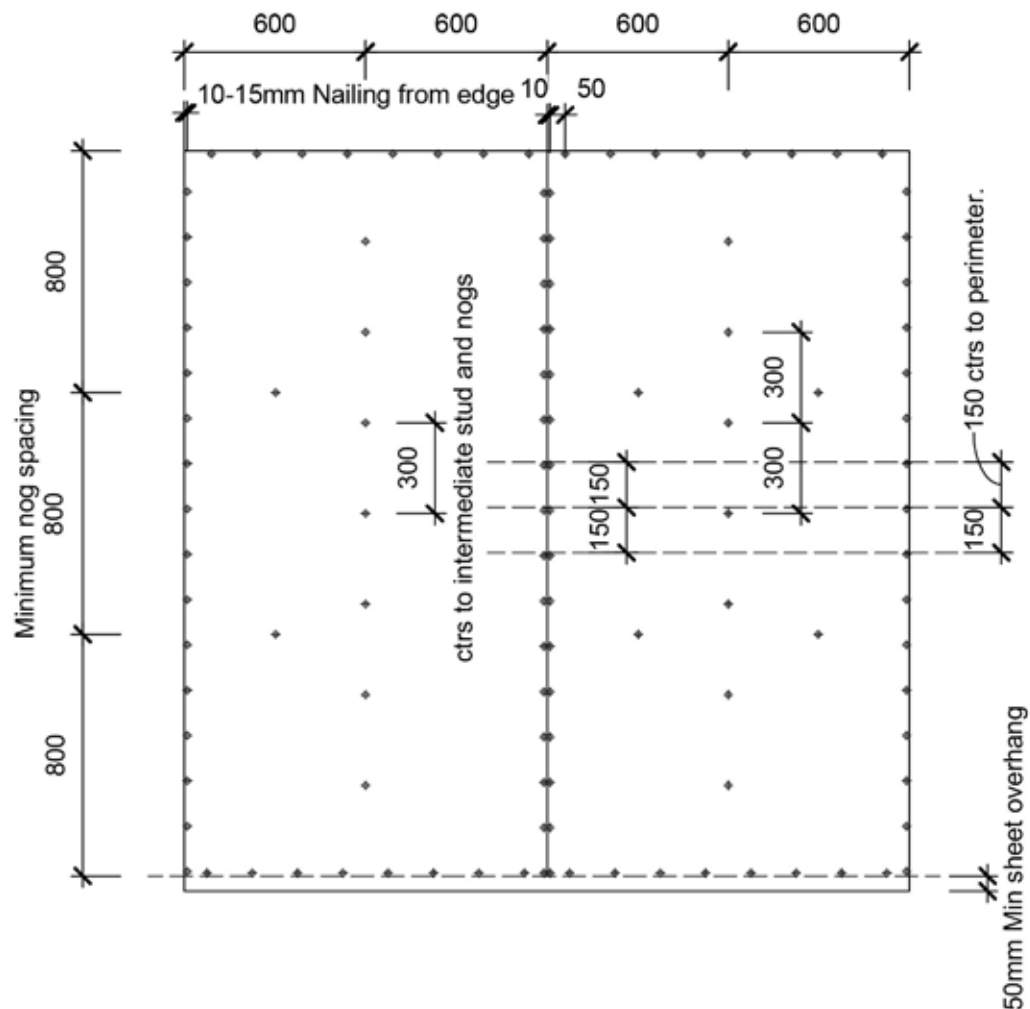
Typical Batten Sizes

1 : 1 @ A4
Scale

01/03/2017
Date

CT-TYP-BTN2
Dwg

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271



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Name

Typical Vertical Panel Fixing

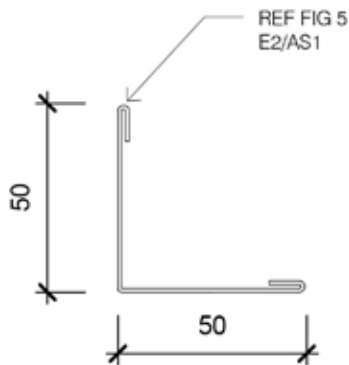
1 : 25 @ A4
Scale

01/03/2017
Date

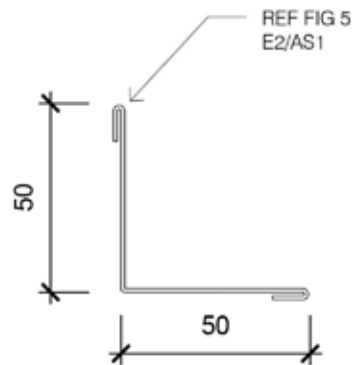
CT-TYP-FIX
Dwg

NOTES:

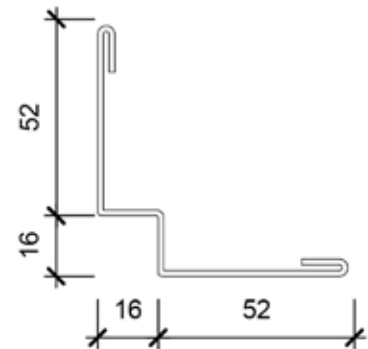
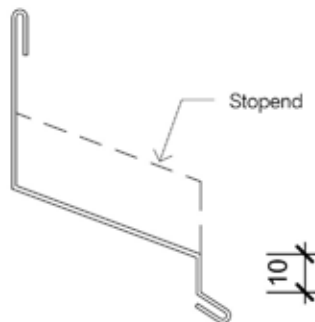
- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271



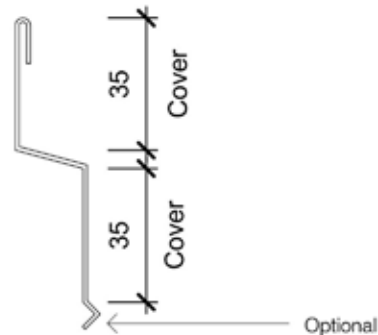
50x50 FLASHING - INTERNAL CORNER



50x50 FLASHING - EXTERNAL CORNER

INTERNAL ALUMINIUM
W/ FLASHING

WINDOW HEAD



HORIZONTAL FLASHING

NOTE:

FLASHINGS AVAILABLE IN ANODISED
OR MILL FINISHED ALUMINIUM

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Name

Typical Flashing

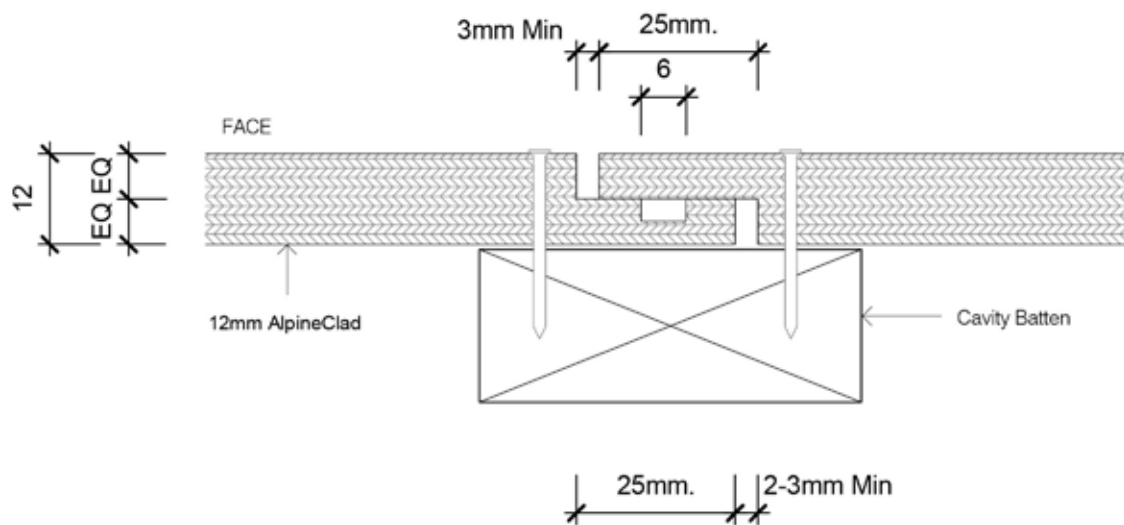
1 : 2 @ A4
Scale

01/03/2017
Date

CT-TYP-FLG
Dwg

NOTES:

- 1 .All materials and fixtures are to comply with E2/AS1 and BRANZ bulletin BU411
- 2 .Building wrap and underlays to table 23 E2/AS1.
- 3 .Fixing as per table 24 E2/AS1
- 4 .All products to be coated, exposed, cut edges and end grains to be sealed prior to installation
- 5 .Refer to E2/AS1 clause 9.1.8 for batten setout
- 6 .Plywood to comply with NZS 2271

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Name

Lapped Vertical Joint Detail

1 : 1 @ A4
Scale

01/03/2017
Date

CT-TYP-LP
Dwg

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