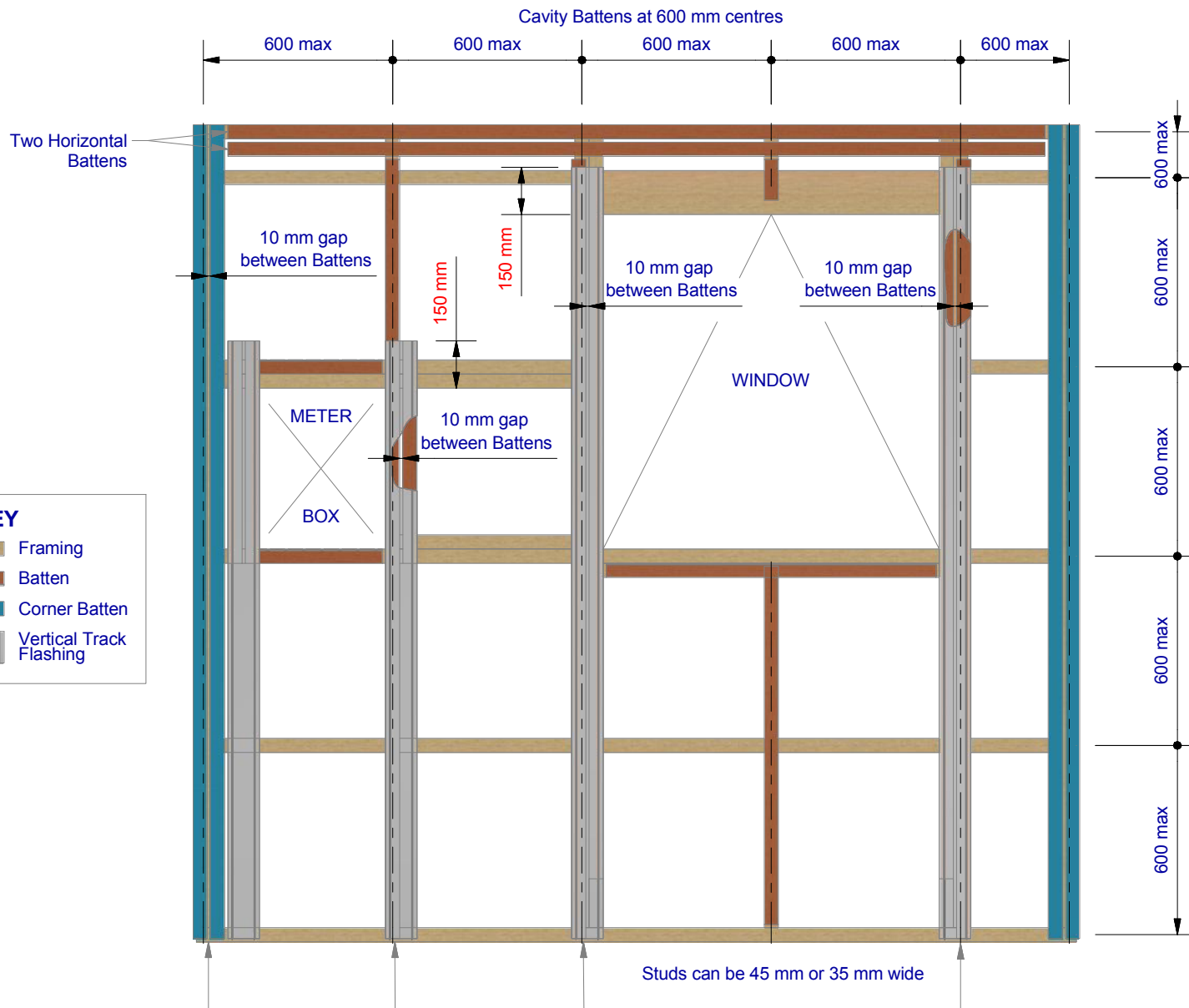


UA7868 SHADO 140 BOARD HORIZONTAL CAVITY SYSTEM

REV: 10 2019

H00 : Wall Batten Elevation
H01 : External Corner on Cavity
H02 : Internal Corner on Cavity
H03 : Horizontail wall Jointer
H04 : 90° deg Corner Cap
H05 : Vertical Wall Starter
H06 : No Soffit Detail on Cavity
H07 : Soffit Detail on Cavity
H08 : Timber Floor on Cavity
H09 : Window Head on Cavity
H10 : Window Jam on Cavity
H11 : Window Sill on Cavity
H12 : Sill-Jamb on Cavity

H13 : Head flashing / Head Starter / Jamb iso
H14 : Head - Jamb iso
H15 : Head - Jamb Notching Details
H16 : Meter Box Head on Cavity
H17 : Meter Box Jamb on Cavity
H18 : Meter Box Sill on Cavity
H19 : Pipe Penetration on Cavity
H20 : Roof-Wall Junction on Cavity
H21 : Gutter Wall Junction on Cavity
H22 : Parapet on Cavity
H23 : Deck Junction on Cavity
H24 : Inter-Storey Junction on Cavity
H25 : Shado 140 Board Profiles



KEY

- Framing
- Batten
- Corner Batten
- Vertical Track Flashing

Batten options

Impervious barrier (MDPE) or similar tape between cladding and batten.

To comply with NZBC E2/AS1 - Table 23.

Note:

Some machining of battens may be required to avoid "build up".
i.e. back flashings / tapes

Cavity plastic Batten

Note:

packing/shims may be needed to ensure boards are fitted flat without distortion.

* Additional timber may be required at soffit to support UA 5831 Soffit Base.

Note: Important

Underlay strips to isolate aluminium from treated timber battens 50 mm wide medium density polyethylene (MDPE)

To comply with NZBC E2/AS1 - Table 23. Properties of roofing underlays and wall underlays, separates aluminium components and accessories from timber battens treated with copper-based treatments

Cavity closers required as per NZBC E2/AS1 (section 9.1.8)

Vertical Cavity Corner Batten
50 x 25 mm H3.1 treated Radiata. Cavity battens fixed with 6g x 1.25" CSK Sq S/S pre-drilled screws through batten into stud

0.9 x 90 mm Aluminium Track Flashing. Alternatively use Dynex Dynafash.

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H00

Rev : 10

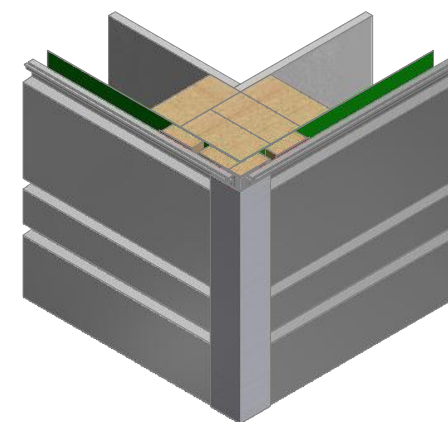
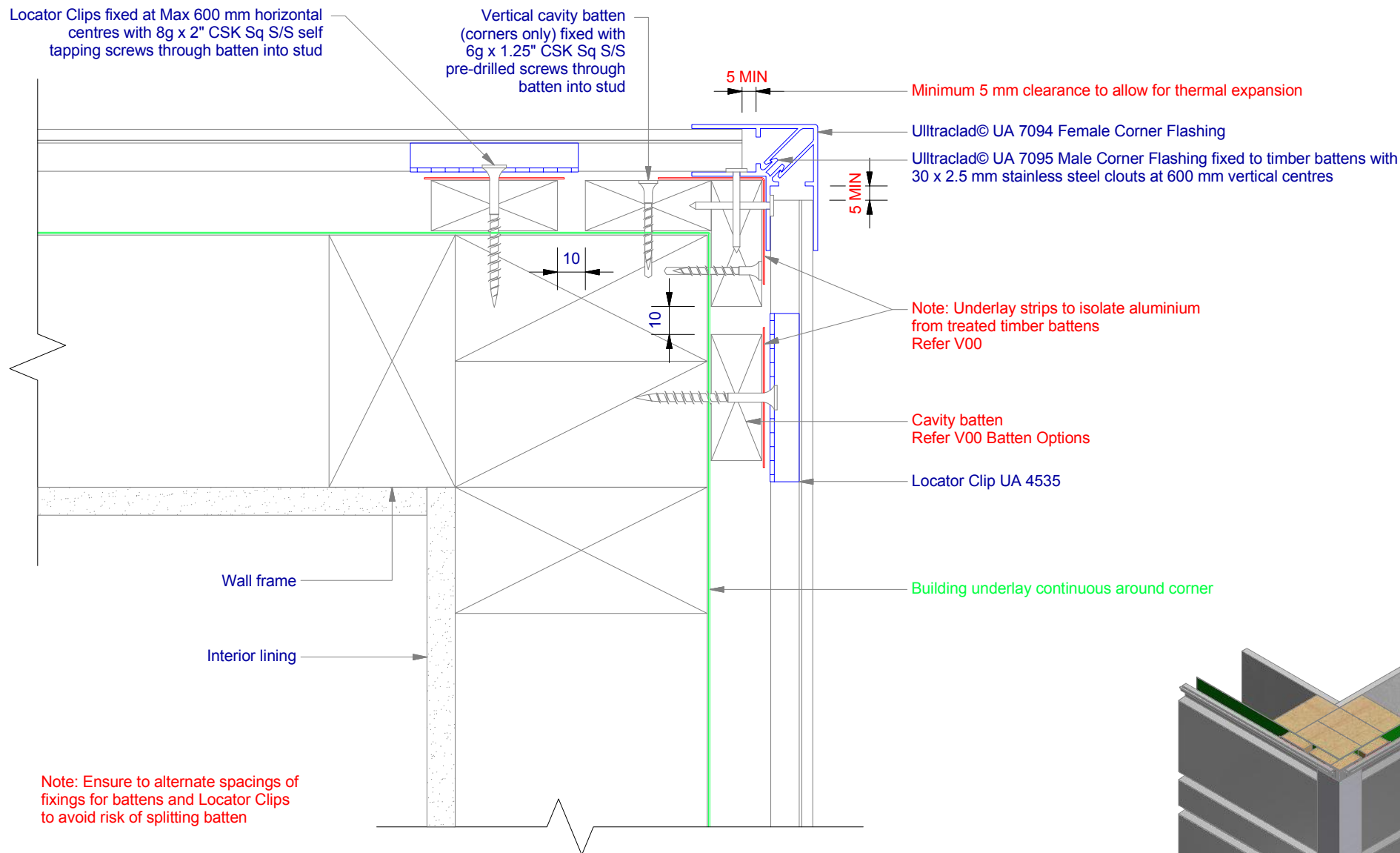
Wall Batten Elevation

UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

Scale: 1 : 20 @ A4 - 2019

Branz Appraisal #487 2019. (Horizontal)



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H01

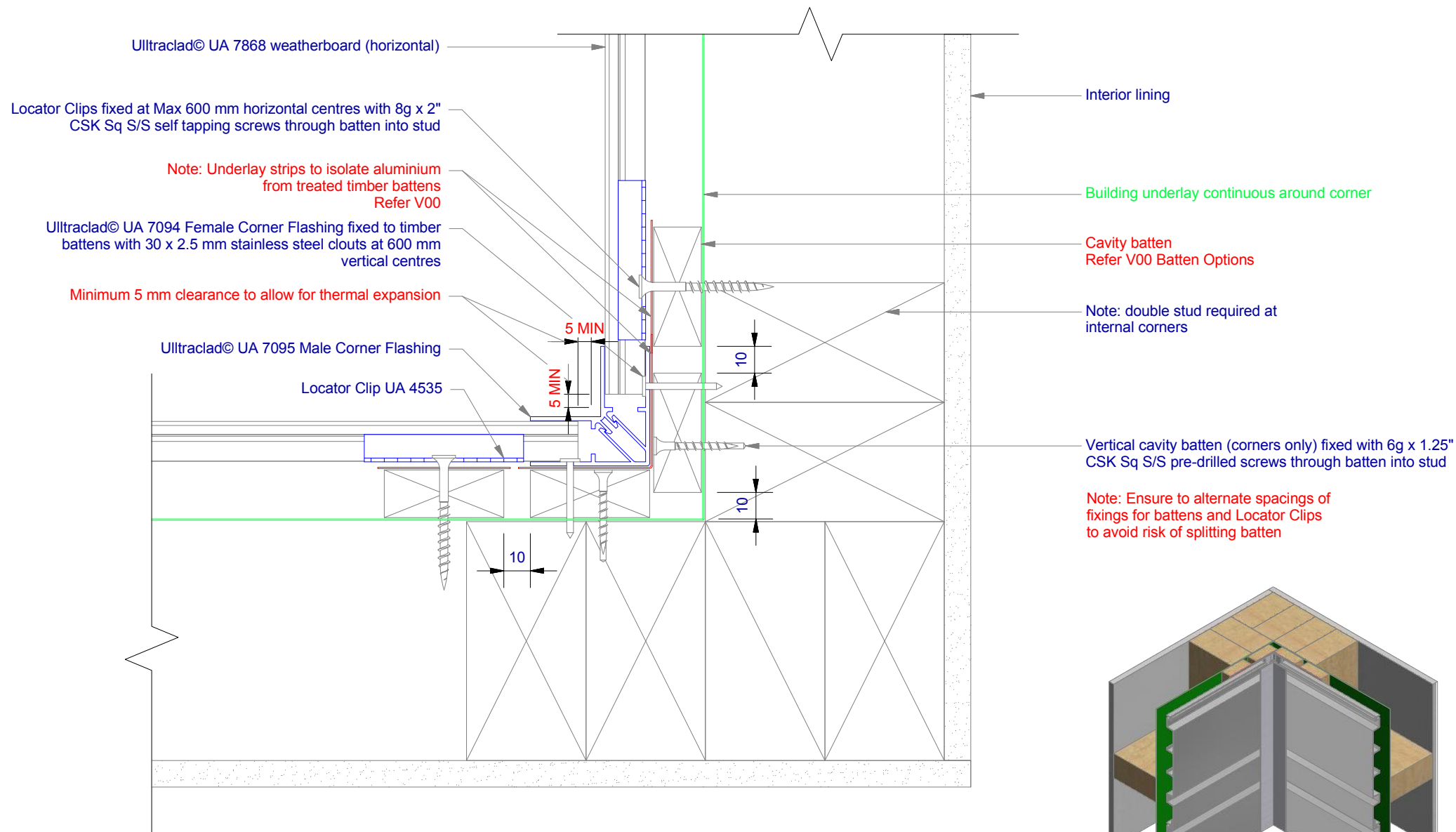
Rev : 10

External Corner on Cavity
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

Scale: 1 : 2 @ A4 - 2019

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H02

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Internal Corner on Cavity
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HORIZONTAL CAVITY SYSTEM
Scale: 1 : 2 @ A4 - 2019

Brnz Appraisal #487 2019. (Horizontal)

Minimum 5 mm clearance to allow for thermal expansion

Ultracalad® UA 6324 Jointer Bottom
fixed to wall frame with 30 x 2.5 mm
clouts at 600 mm centres

Cavity batten
Refer V00 Batten Options

Note: Underlay strips to isolate aluminium
from treated timber battens
Refer V00

Minimum 5 mm clearance to allow for thermal expansion

Ultracalad® UA 7096 Flat Jointer Top

Ultracalad® UA 7868 weatherboard (horizontal)

Building underlay

Drained and vented cavity as per NZBC
E2/AS1 (section 9.1.8)

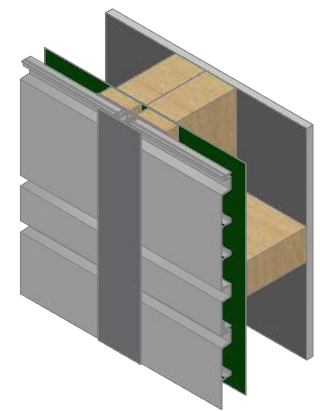
5 MIN 5 MIN

10

Note: Ensure to alternate spacings of
fixings for battens and Locator Clips
to avoid risk of splitting batten

Interior lining

Double studs behind vertical jointer



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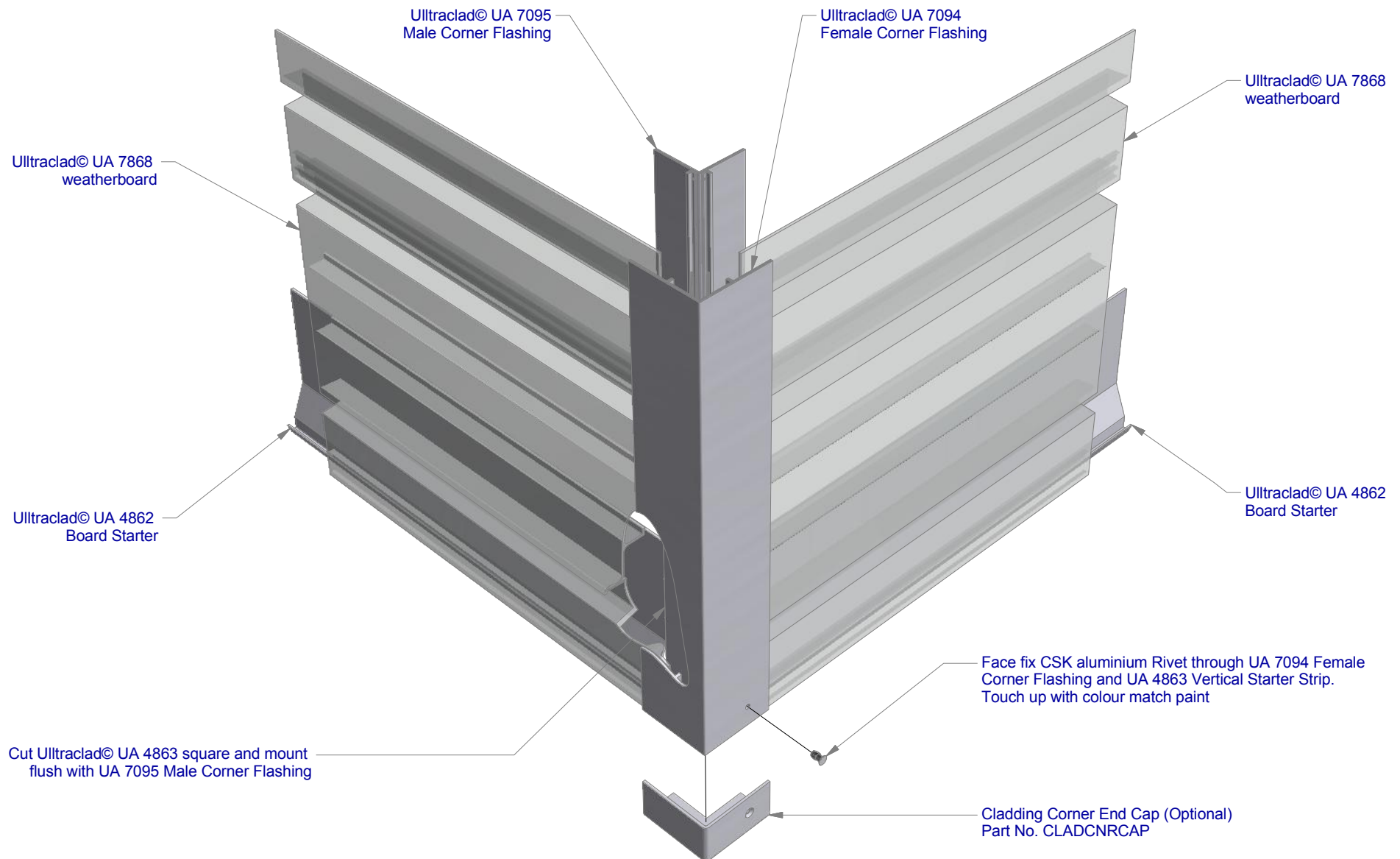
H03

Rev : 10

Horizontal Wall Jointer
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM
Scale: 1 : 2 @ A4 - 2019

Branz Appraisal #487 2019. (Horizontal)



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H04

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90° deg Corner Cap
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HORIZONTAL CAVITY SYSTEM
Scale: 1 : 3 @ A4 - 2019

Branz Appraisal #487 2019. (Horizontal)

Ultracalad® UA 7868 weatherboards (horizontal) fixed with Locator Clips fixed at Max 600 mm horizontal centres with 8g x 2" CSK Sq S/S self tapping screws through batten into stud

Cavity batten
Refer V00 Batten Options

Building underlay

Note: Underlay strips to isolate aluminium from treated timber battens
Refer V00

Ultracalad® UA 4862 Board Starter or alternatively use UA 4863 fixed to bottom plate with 50 x 2.5 mm clouts at 600 mm centres

Ultracalad® Cavity Vent Strip
Alternatively use PVC type

Note: 100 mm minimum to permanent paving or 175 mm to unpaved ground to clause 9.1.3 of E2/AS1

Concrete slab or Blockwork

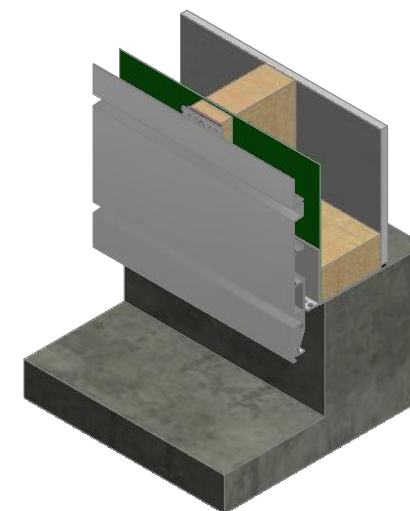
Finished ground level

Interior lining

Bottom plate over DPC

Note: Ensure to alternate spacings of fixings for battens and Locator Clips to avoid risk of splitting batten

6 mm overhang (optional)



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H05

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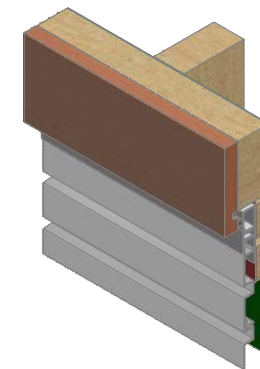
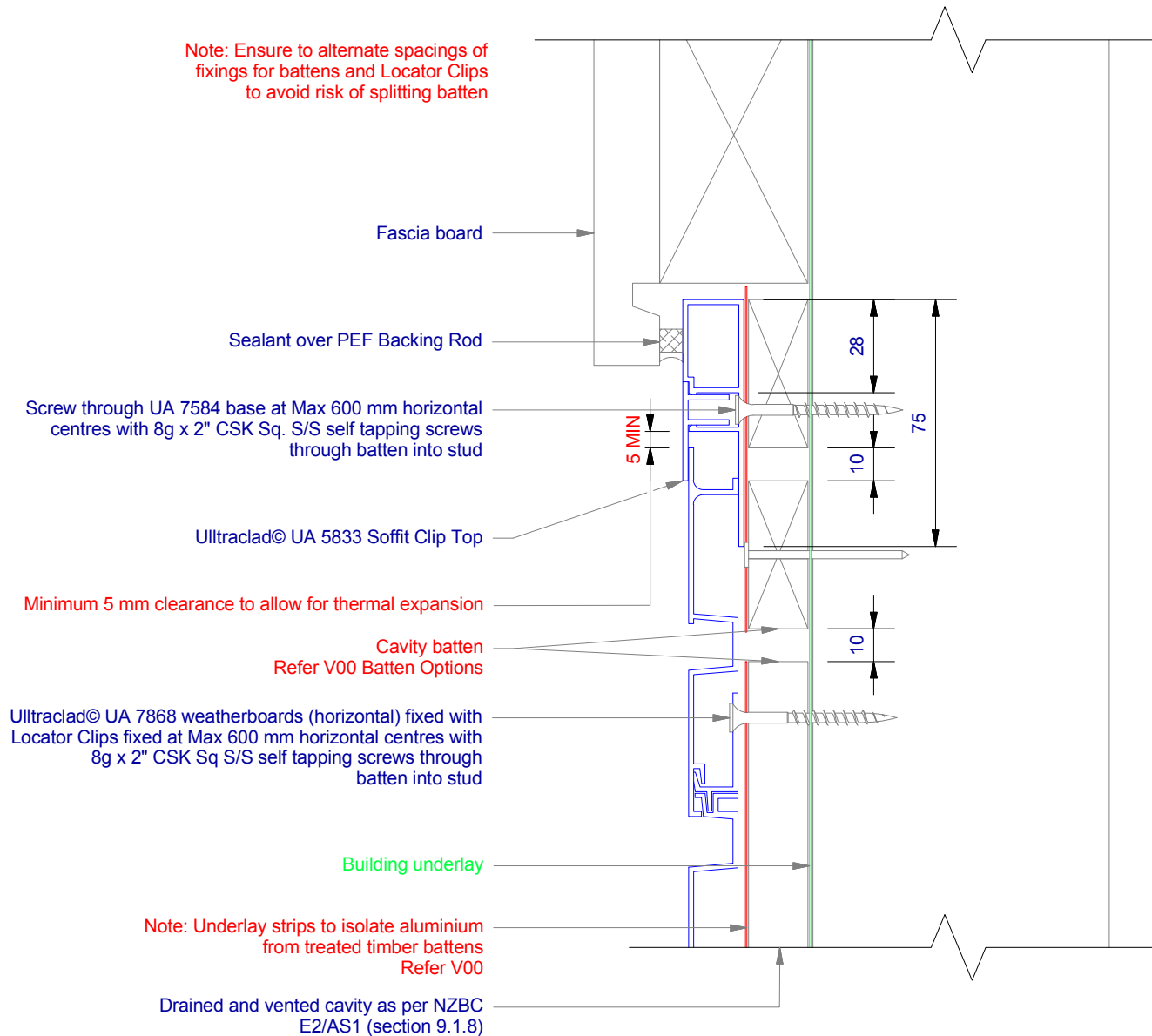
Vertical Wall Starter
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

Scale: 1 : 2 @ A4 - 2019

Brnz Appraisal #487 2019. (Horizontal)

Note: Ensure to alternate spacings of fixings for battens and Locator Clips to avoid risk of splitting batten



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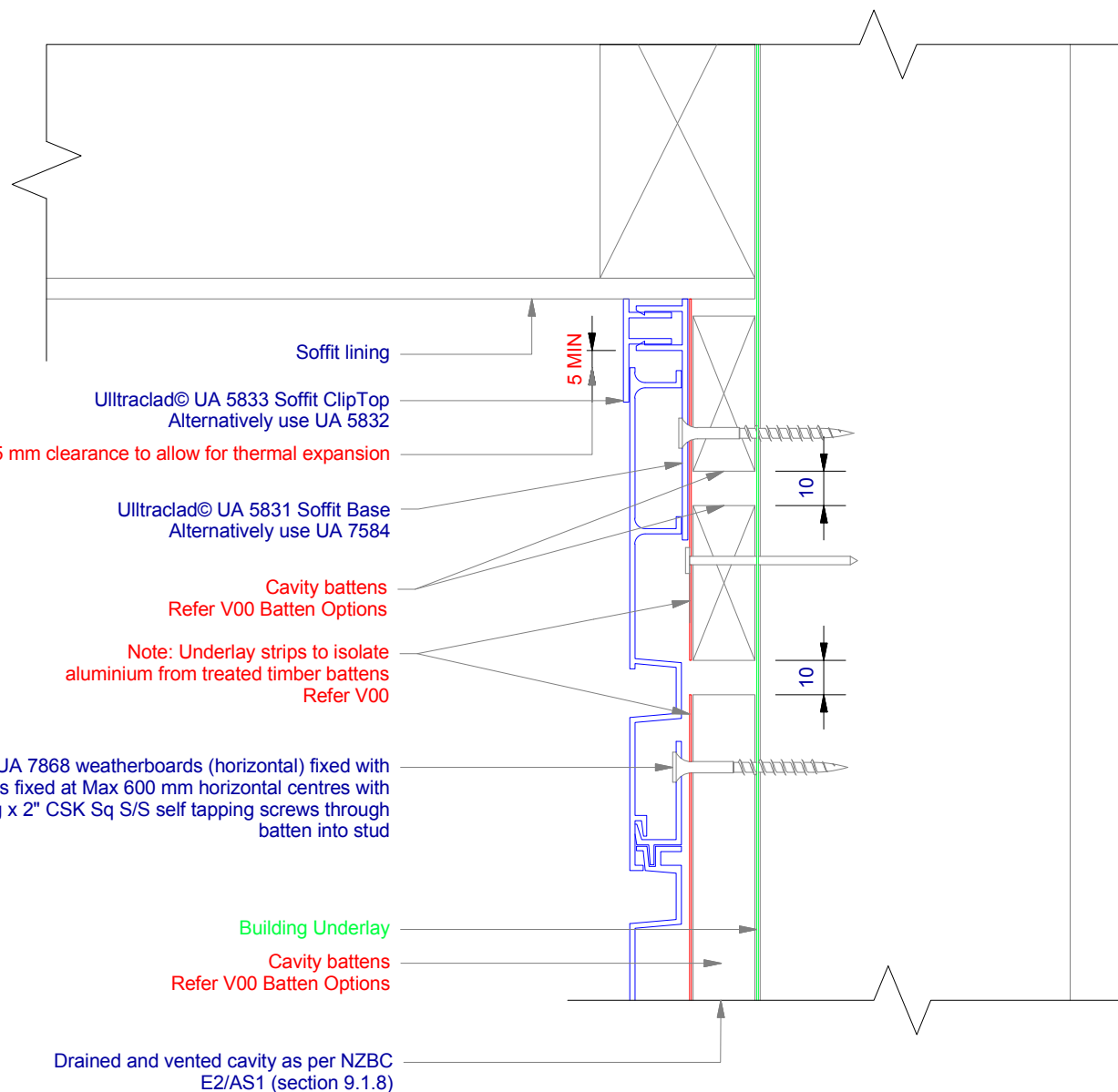
H06

Rev : 10

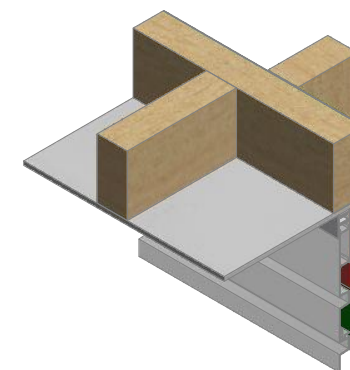
No Soffit Detail on Cavity
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM
Scale: 1 : 2 @ A4 - 2019

Branz Appraisal #487 2019. (Horizontal)



Note: Ensure to alternate spacings of
fixings for battens and Locator Clips
to avoid risk of splitting batten



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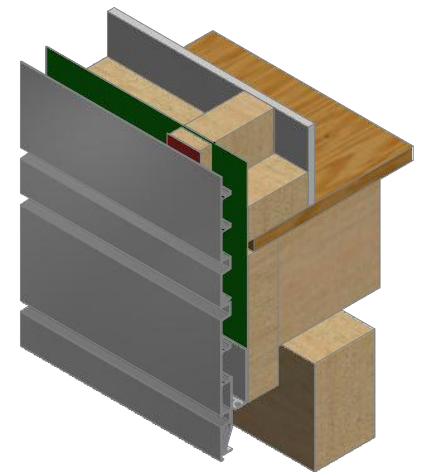
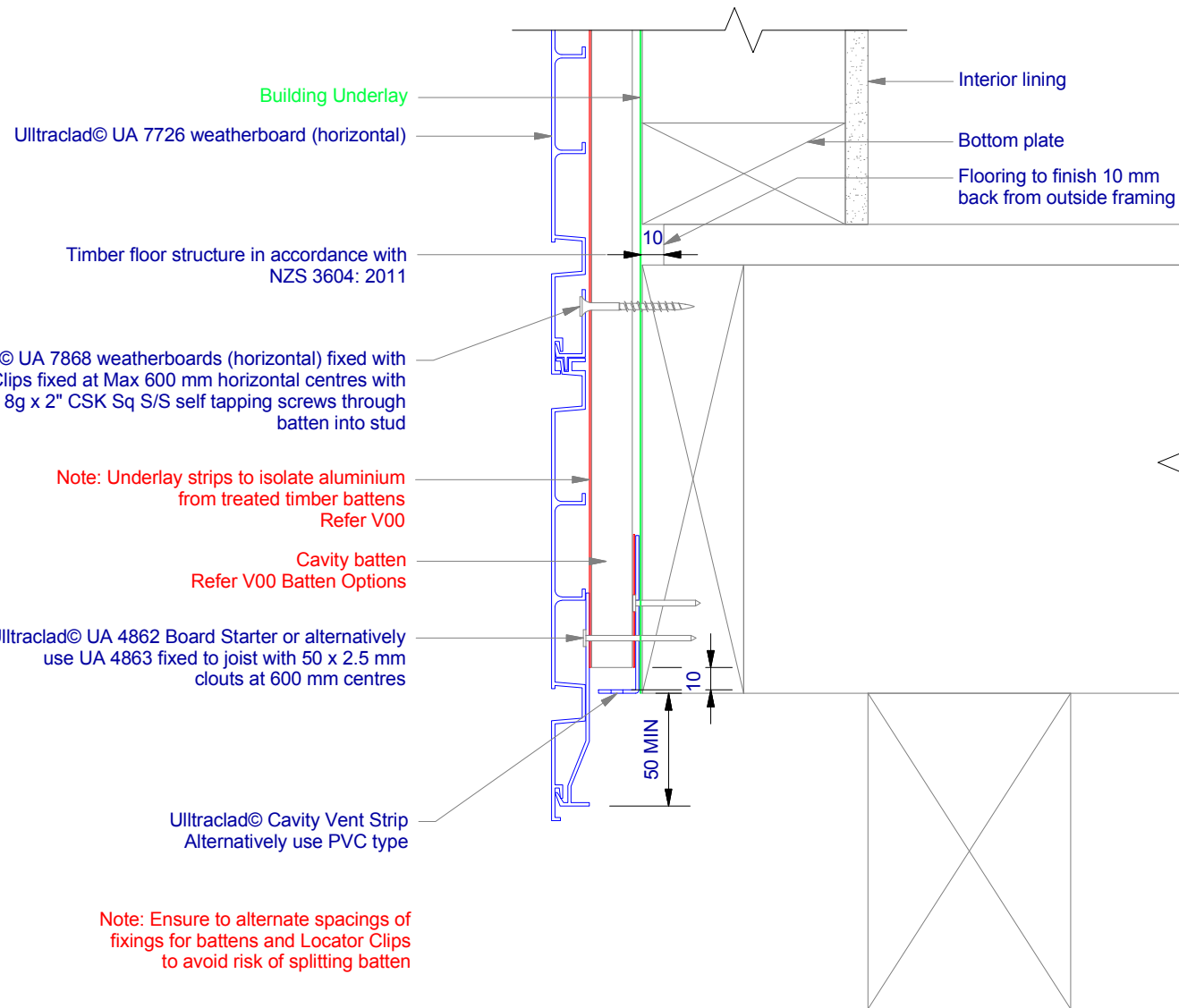
H07

Rev : 10

Soffit Detail on Cavity
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM
Scale: 1 : 2 @ A4 - 2019

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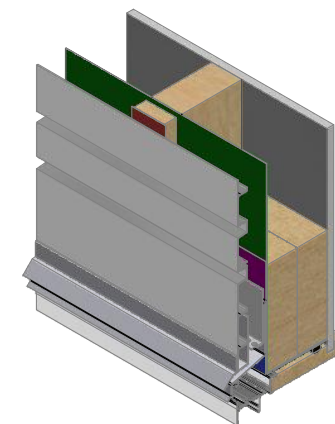
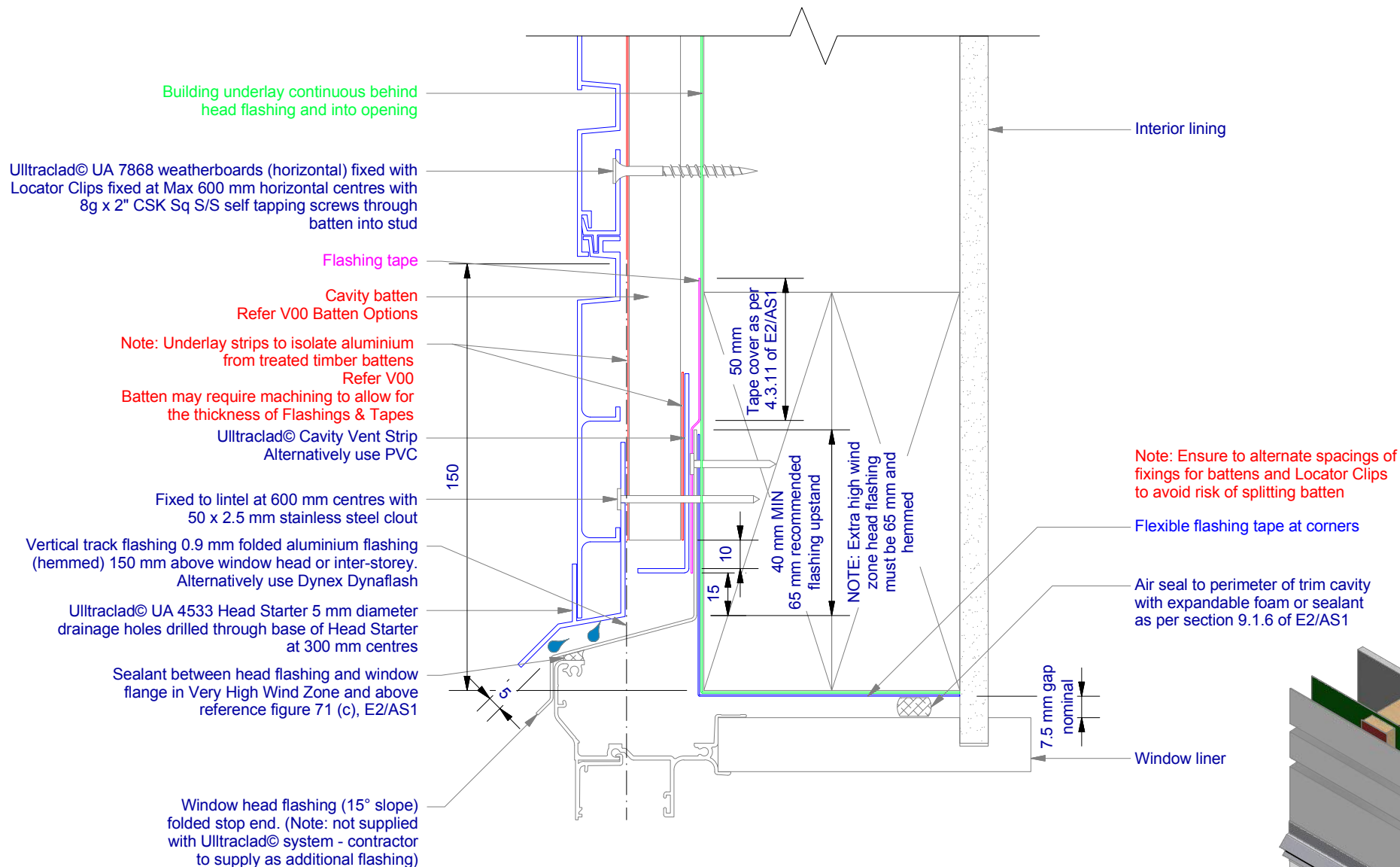
H08

Rev : 10

Timber Floor on Cavity
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM
Scale: 1 : 3 @ A4 - 2019

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H09

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Window Head on Cavity
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

Scale: 1 : 2 @ A4 - 2019

Brnz Appraisal #487 2019. (Horizontal)

Building underlay continuous around opening

Ultracalad® UA 7868 weatherboards (horizontal) fixed with Locator Clips fixed at Max 600 mm horizontal centres with 8g x 2" CSK Sq S/S self tapping screws through batten into stud

Cavity battens
Refer V00 Batten Options

Ultracalad® UA 5833 Soffit Top Cap

Minimum 5 mm clearance to allow for thermal expansion

Screw through UA 7584 base at Max 600 mm horizontal centres with 8g x 2" CSK Sq. S/S self tapping screws through batten into stud

Interior lining

7.5 mm gap nominal

10

5 MIN

10 MIN

15 mm *
10 mm MIN

Note: Ensure to alternate spacings of fixings for battens and Locator Clips to avoid risk of splitting batten

Note: Ensure negative groove (stable) is clear of Jamb flashing cover. Trim Ultracalad® weatherboard as required leaving rib for support as shown

Air seal to perimeter of trim cavity with expandable foam or sealant as per section 9.1.6 of E2AS1

Flexible flashing tape 100 mm minimum up jamb

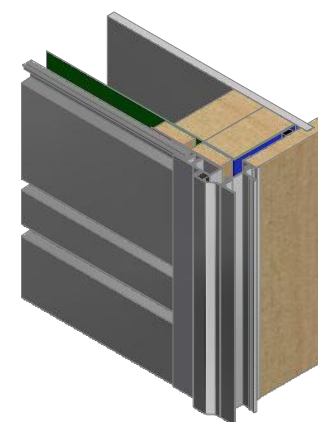
Window liner

Window frame (Note: Refer to window manufacturer for method of supporting and fixing)

Note: Underlay strips to isolate aluminium from treated timber battens
Refer V00

Vertical track flashing 0.9 mm folded aluminium flashing (hemmed) 150 mm above window sill. Alternatively use Dynex Dynafash

Inseal 3109 – min 19 mm thick x 10 mm wide



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H10

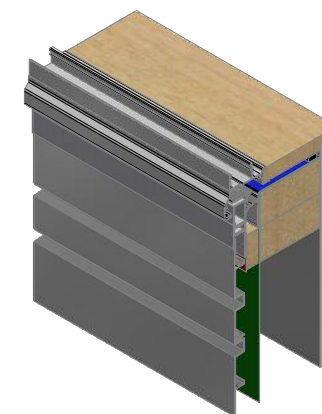
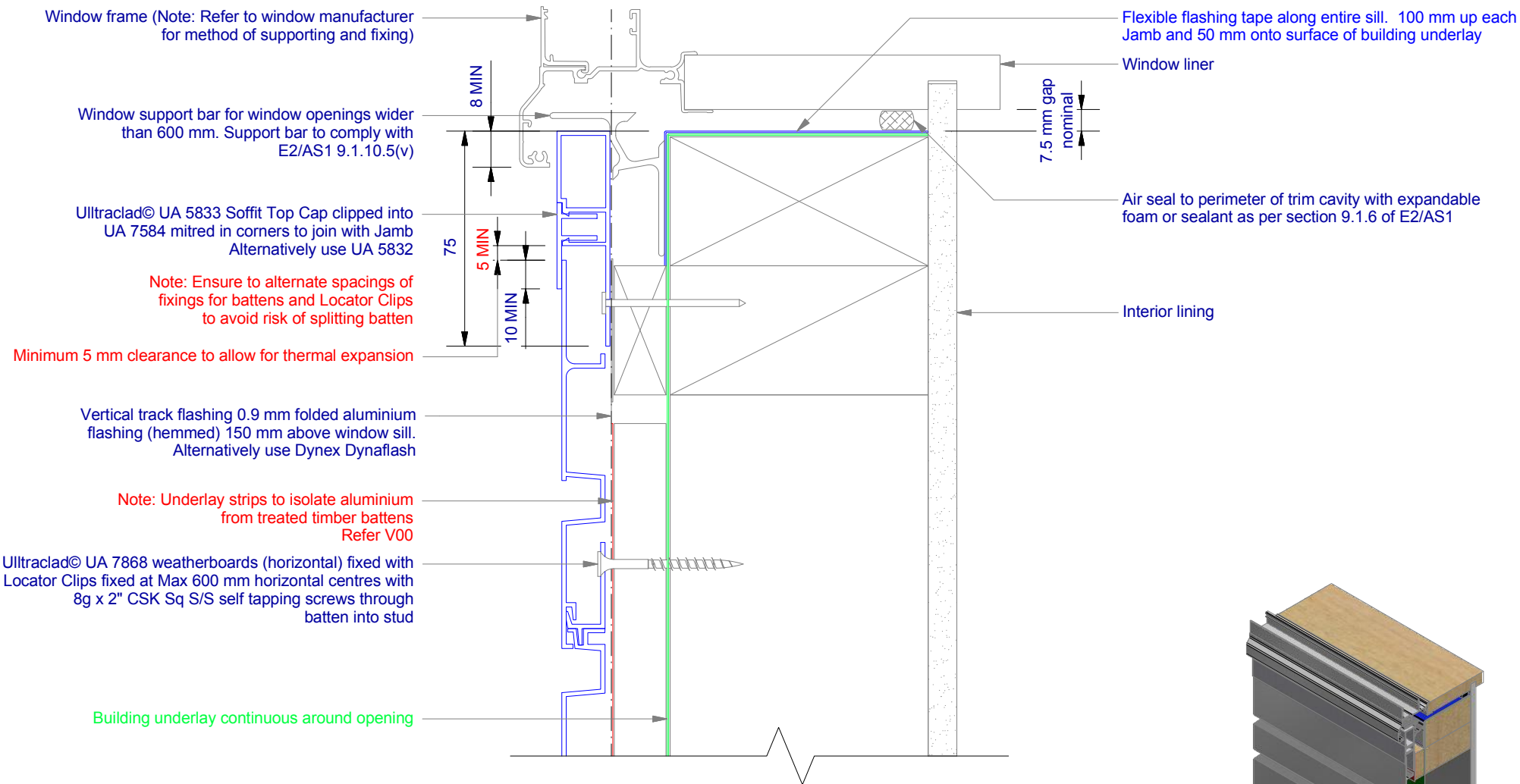
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Window Jamb on Cavity
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

Scale: 1 : 2 @ A4 - 2019

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H11

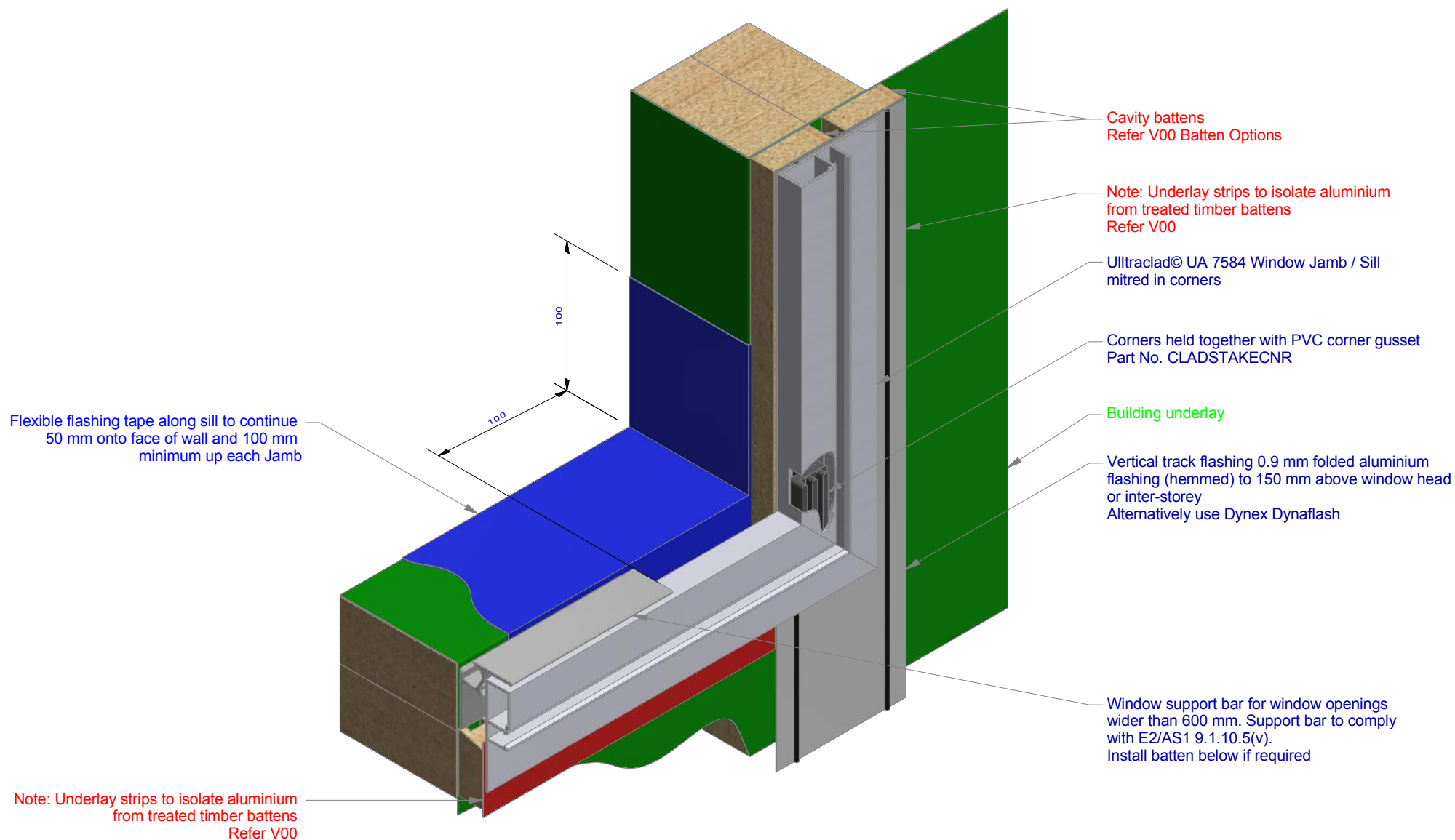
Rev : 10

Window Sill on Cavity
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

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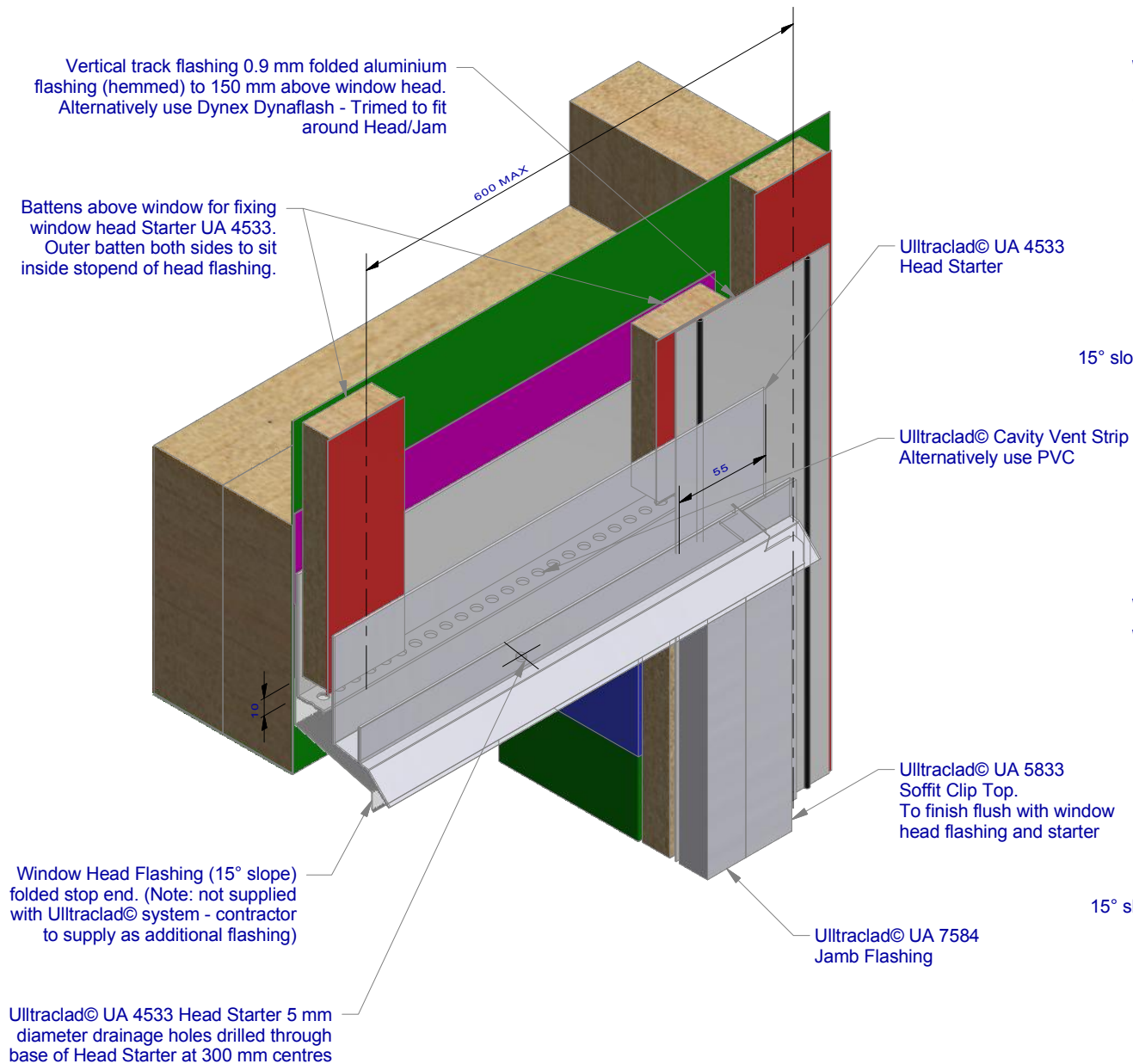
Rev : 10

Sill-Jamb on Cavity
UA 7868 SHADO 140 BOARD

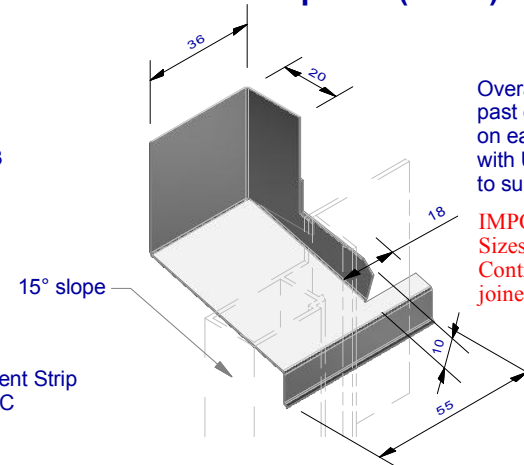
HORIZONTAL CAVITY SYSTEM

Scale: 1 : 3 @ A4 - 2019

Brnz Appraisal #487 2019. (Horizontal)



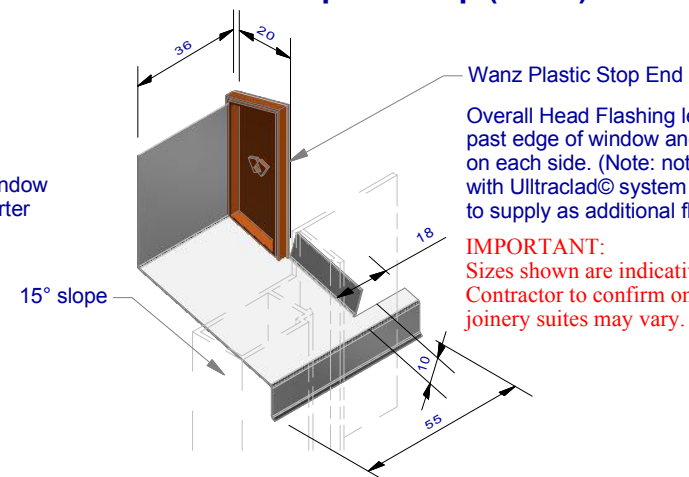
Window Head Flashing Option 1 Cut & Fold Stop End (1 : 2)



Overall Head Flashing length = +40 mm past edge of window and door joinery on each side. (Note: not supplied with Ulltraclad® system - contractor to supply as additional flashing)

IMPORTANT:
Sizes shown are indicative only!
Contractor to confirm onsite as joinery suites may vary.

Window Head Flashing Option 2 Wanz Plastic Stop End Cap (1 : 2)



Overall Head Flashing length = +40 mm past edge of window and door joinery on each side. (Note: not supplied with Ulltraclad® system - contractor to supply as additional flashing)

IMPORTANT:
Sizes shown are indicative only!
Contractor to confirm onsite as joinery suites may vary.

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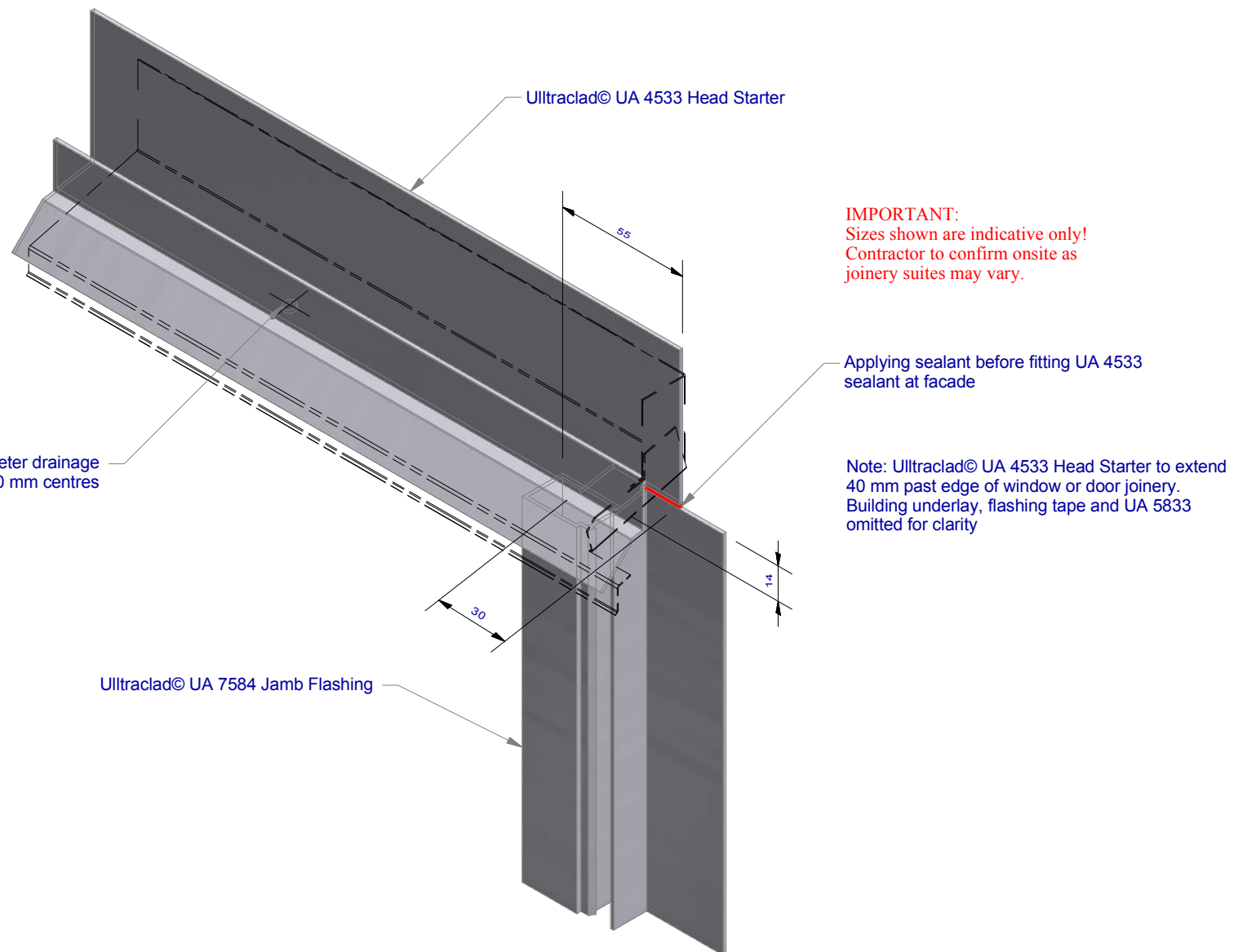
Rev : 10

Head flashing / Head Starter / Jamb iso
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

Scale: 1 : 3 @ A4 - 2019

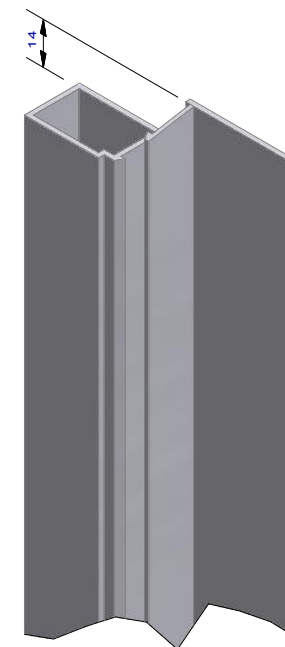
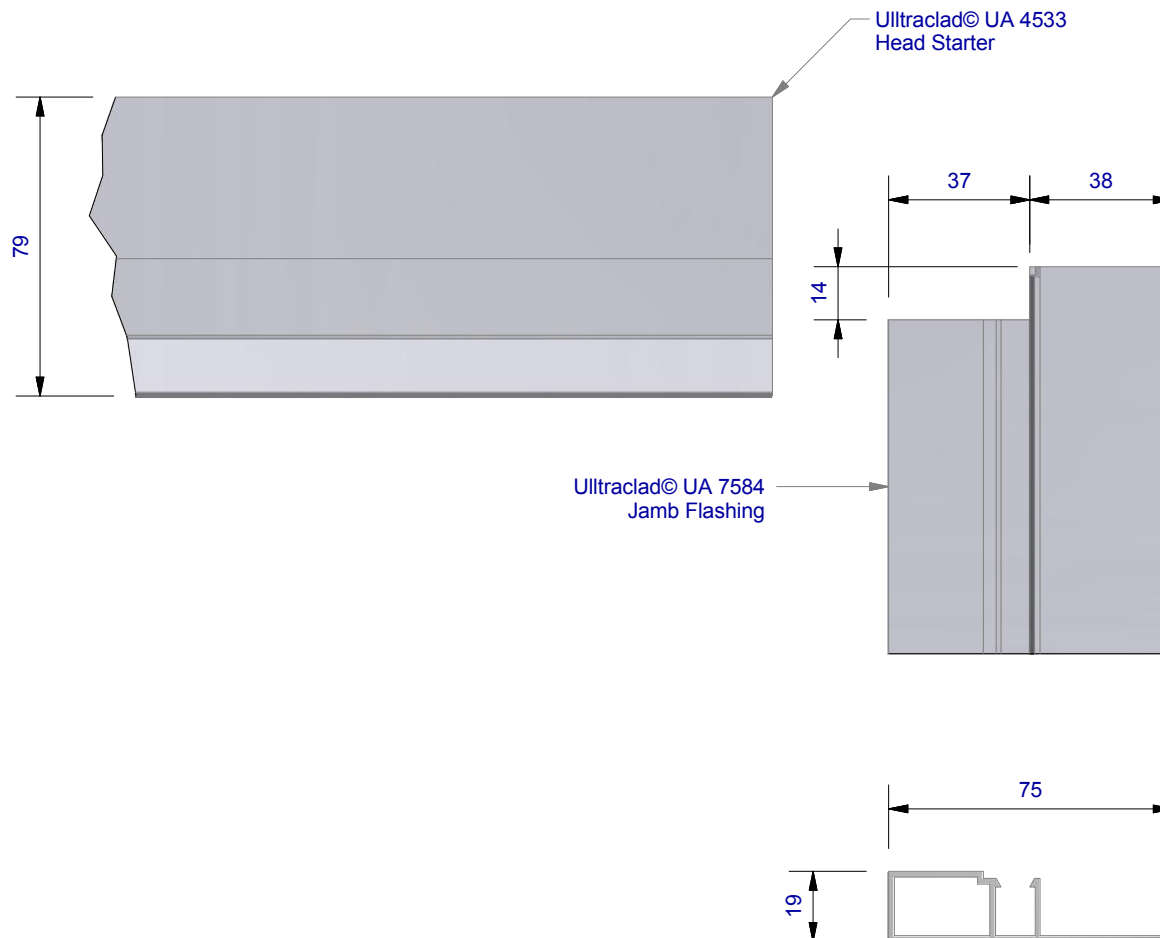
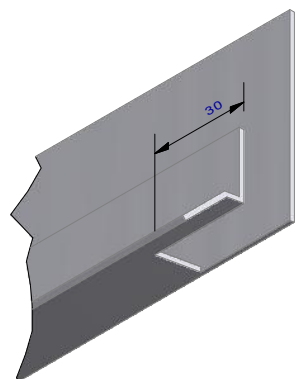
Branz Appraisal #487 2019. (Horizontal)



Ultracalad® UA 4533 Head Starter 5 mm diameter drainage holes drilled through base of Head Starter at 300 mm centres



IMPORTANT:
Sizes shown are indicative only!
Contractor to confirm onsite as
joinery suites may vary.



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H15

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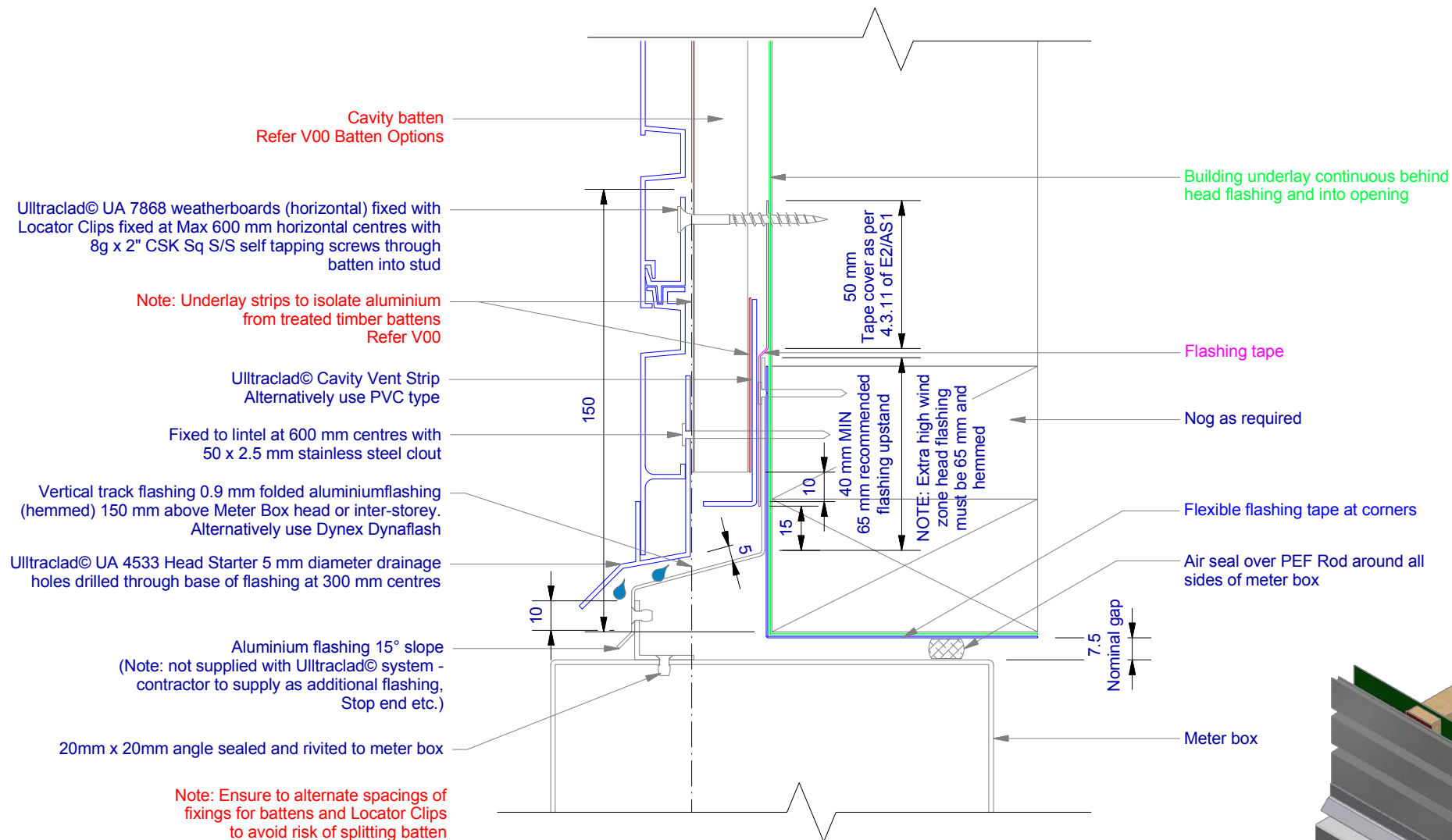
Head - Jamb Notching Details

UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

Scale: 1 : 2 @ A4 - 2019

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Meter Box Head on Cavity
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HORIZONTAL CAVITY SYSTEM

Scale: 1 : 2 @ A4 - 2019

Brnz Appraisal #487 2019. (Horizontal)

Vertical track flashing 0.9 mm folded aluminium flashing (hemmed) 150 mm above Meter Box Head.
Alternatively use Dynex Dynafash

Screw through UA 7584 base and fixed to framing with 8g x 2" CSK Sq. S/S self tapping screws

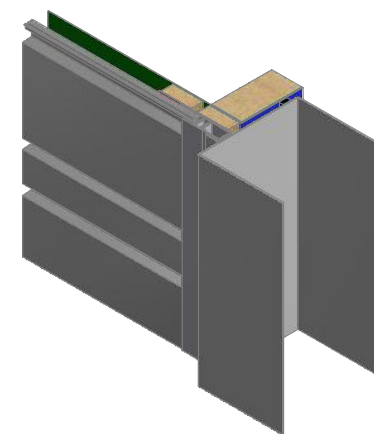
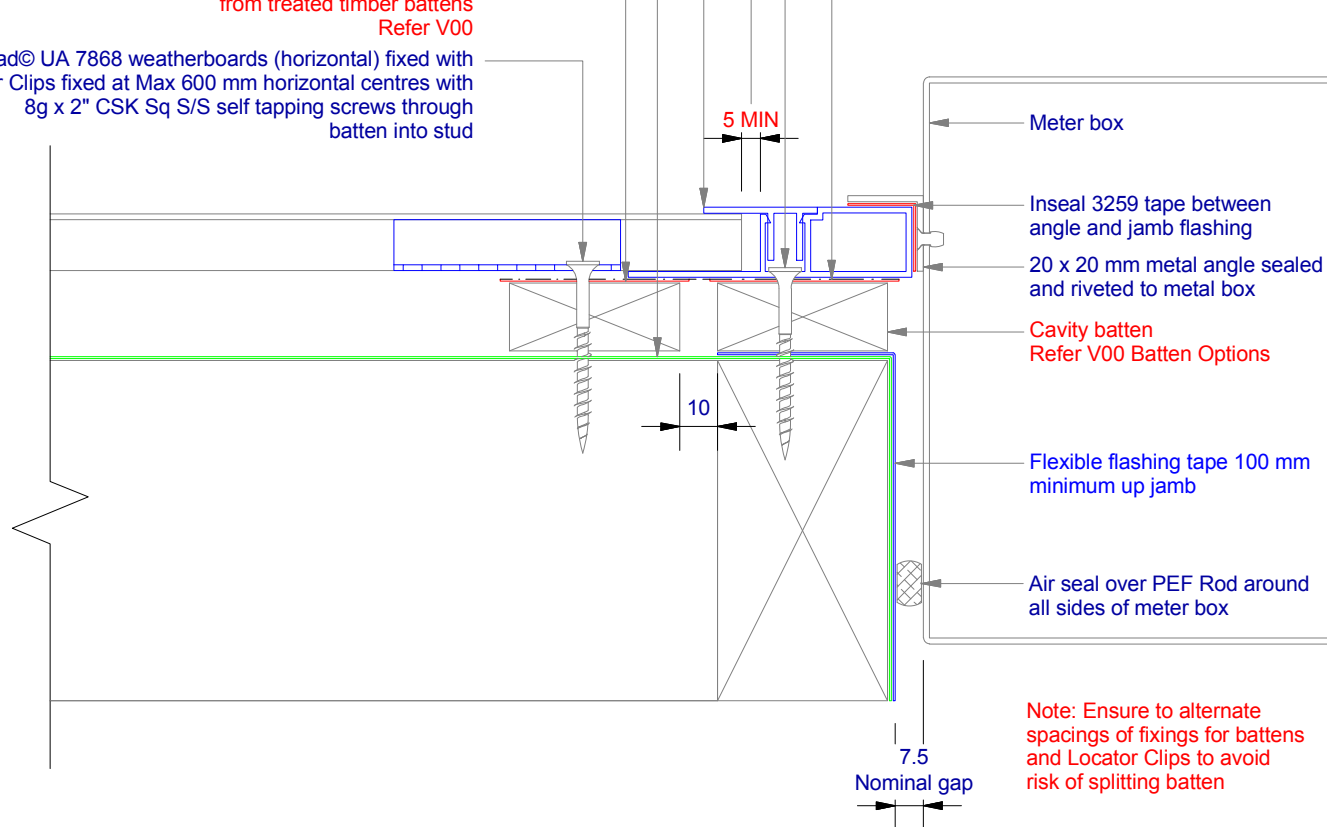
Minimum 5 mm clearance to allow for thermal expansion

Ultracalad® UA 5833 Soffit Clip Top

Building underlay continuous around opening

Note: Underlay strips to isolate aluminium from treated timber battens
Refer V00

Ultracalad® UA 7868 weatherboards (horizontal) fixed with Locator Clips fixed at Max 600 mm horizontal centres with 8g x 2" CSK Sq S/S self tapping screws through batten into stud



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H17

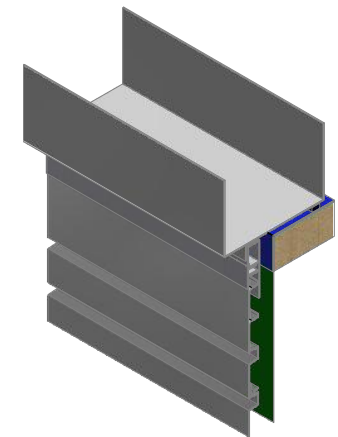
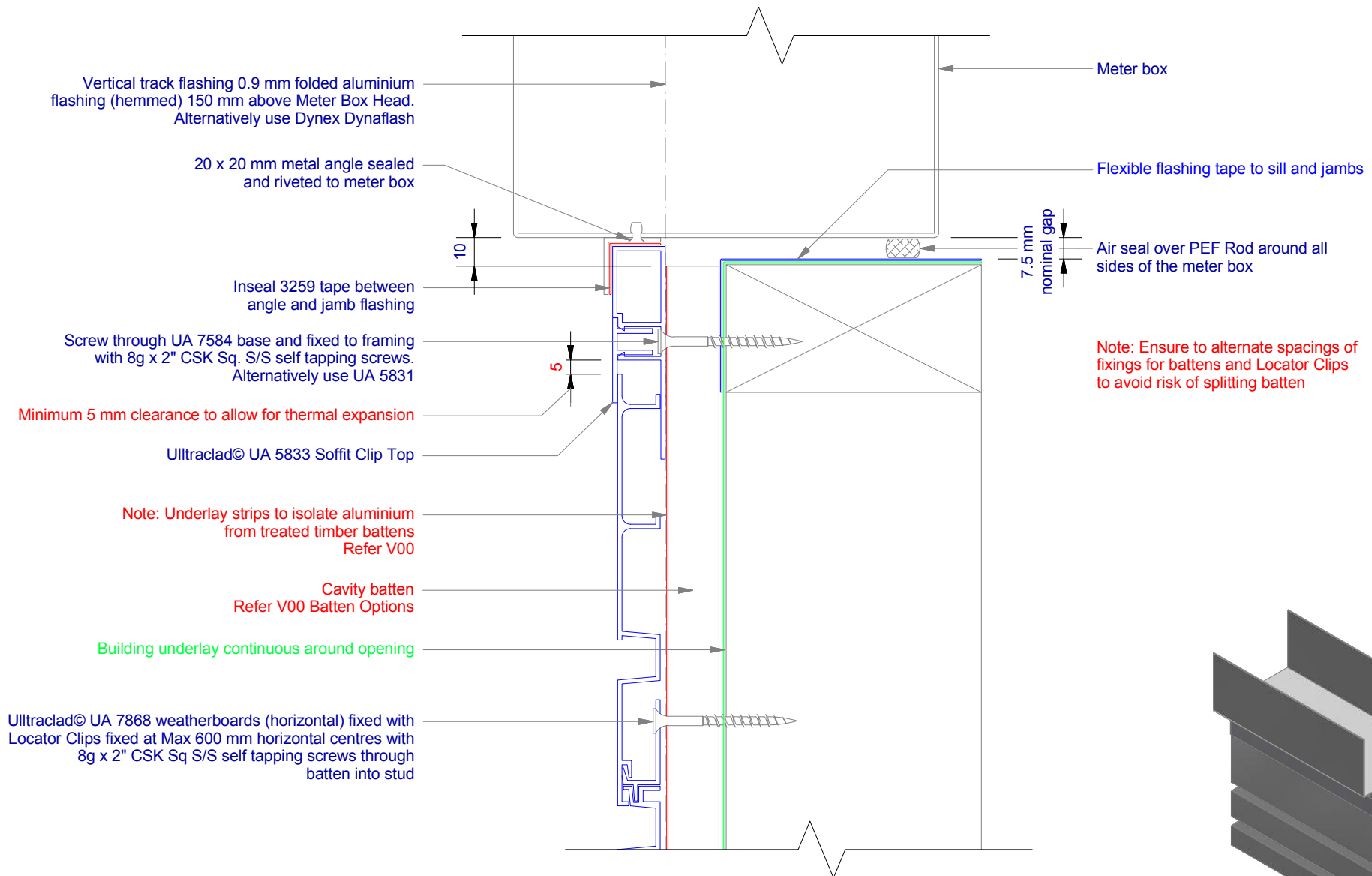
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Meter Box Jamb on Cavity
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

Scale: 1 : 2 @ A4 - 2019

Branz Appraisal #487 2019. (Horizontal)



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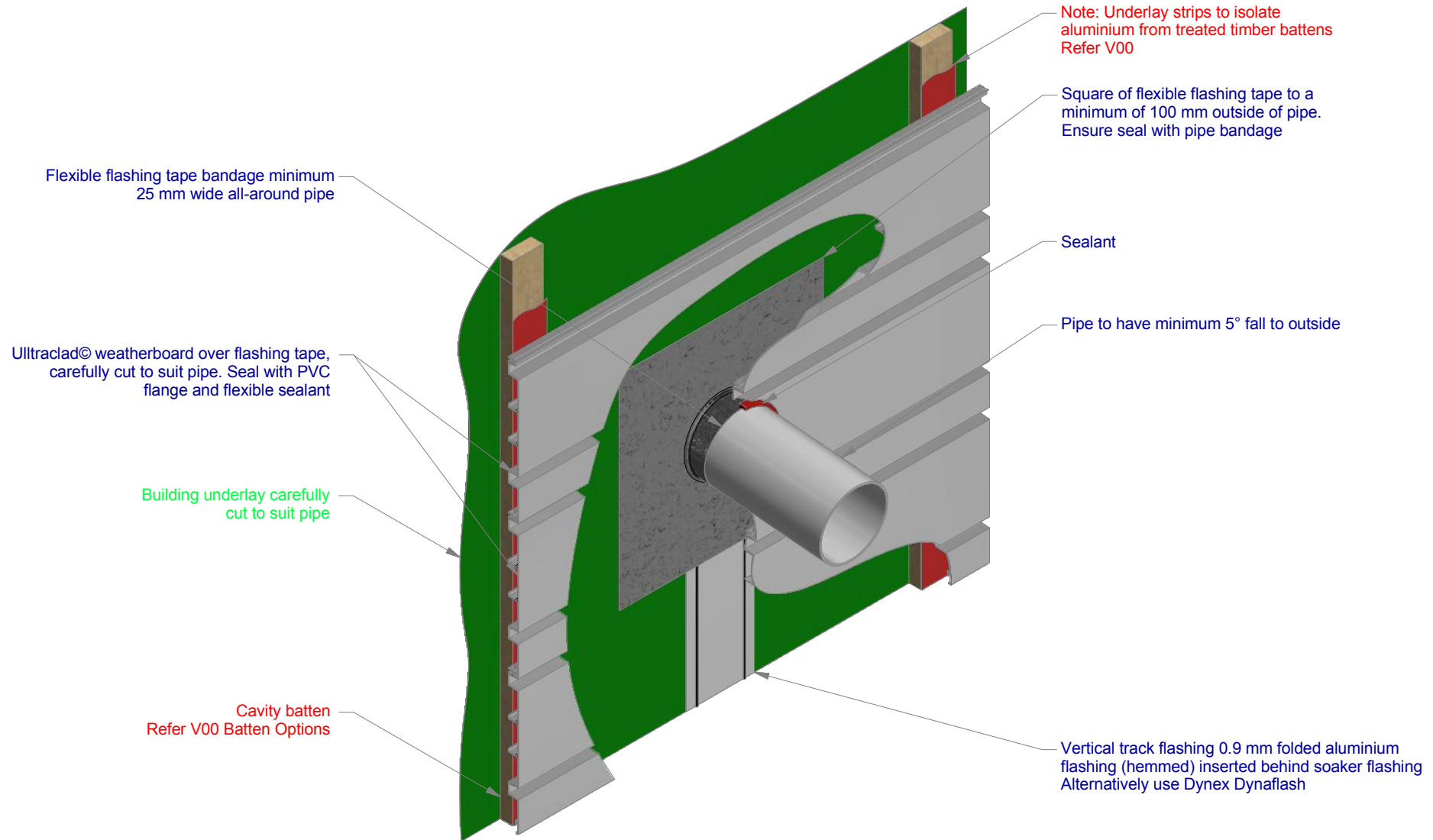
H18

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Meter Box Sill on Cavity
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM
Scale: 1 : 2 @ A4 - 2019

Brnz Appraisal #487 2019. (Horizontal)



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H19

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Pipe Penetration on cavity
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HORIZONTAL CAVITY SYSTEM
Scale: 1 : 6 @ A4 - 2019

Brnz Appraisal #487 2019. (Horizontal)

Ultracalad® UA 7868 weatherboards (horizontal) fixed with Locator Clips fixed at Max 600 mm horizontal centres with 8g x 2" CSK Sq S/S self tapping screws through batten into stud

Building underlay over apron flashing

Ultracalad® Cavity Vent Strip
Alternatively use PVC type

Cavity batten
Refer V00 Batten Options

Note: Underlay strips to isolate aluminium from treated timber battens.
Refer V00

Ultracalad® UA 4863 Vertical Starter alternatively use UA 4862. 5 mm diameter drainage hole drilled through base of Vertical Starter at 300 mm centres

Apron flashing with 75 mm up stand cover behind cladding
Turn-down to suit roofing profile

Note: Ensure to alternate spacings of fixings for battens and Locator Clips to avoid risk of splitting batten

Nog as required

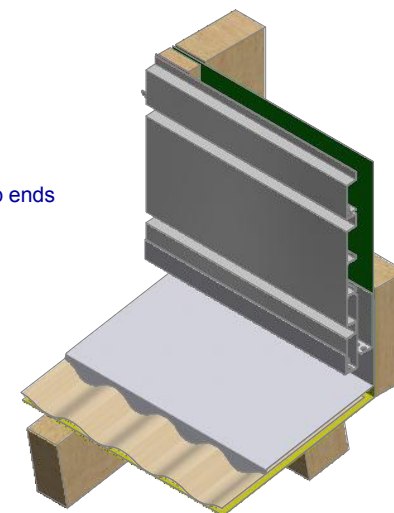
75 mm MIN cover above bottom of weatherboard

110 MIN Total

Flashing length
See Table 7 E2/AS1

Roofing underlay turned up under flashing

Selected roofing with stop ends



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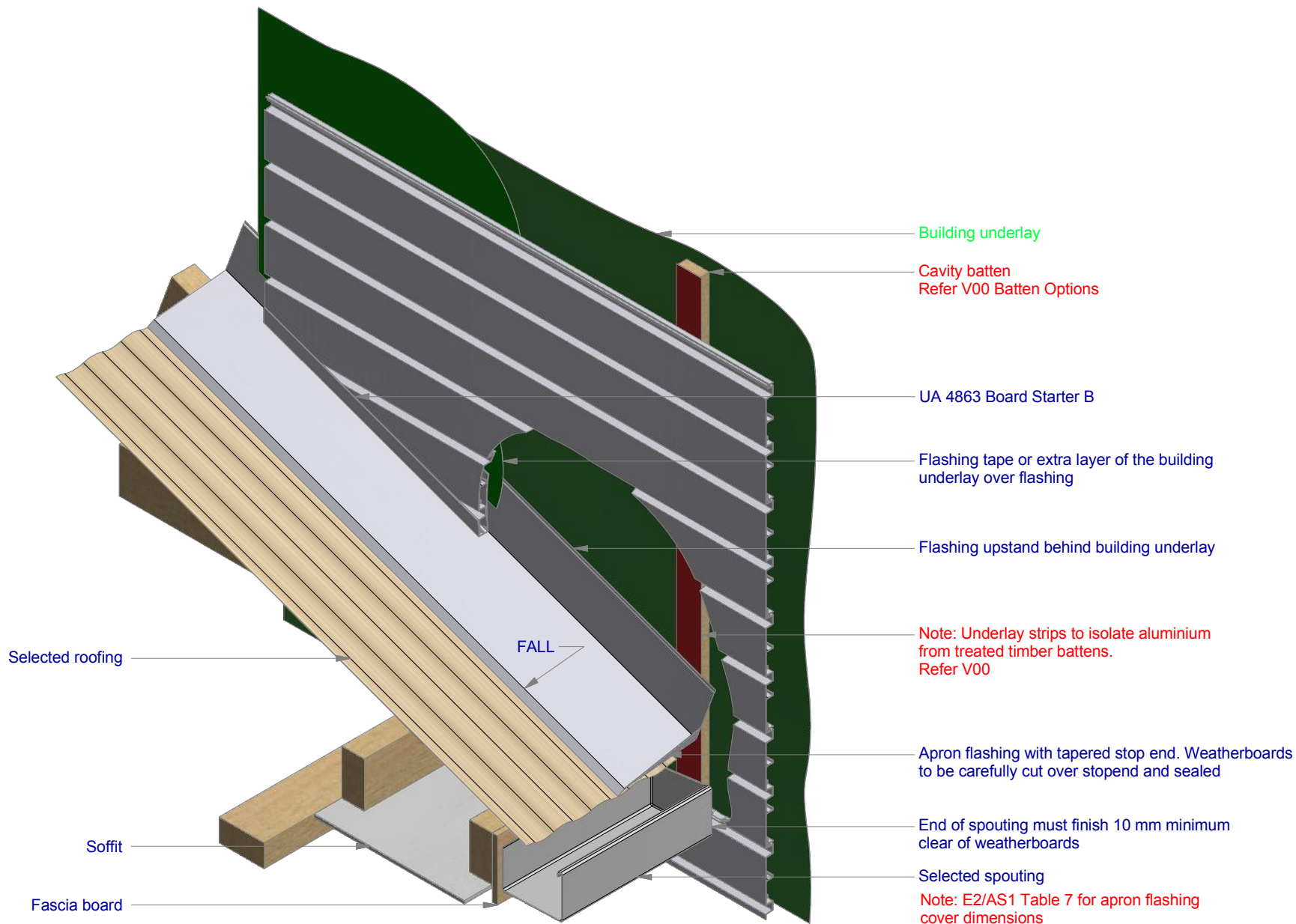
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Roof-Wall Junction on Cavity
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

Scale: 1 : 3 @ A4 - 2019

Branz Appraisal #487 2019. (Horizontal)



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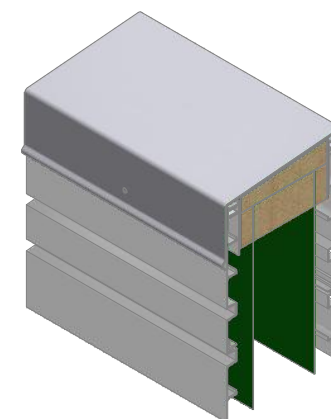
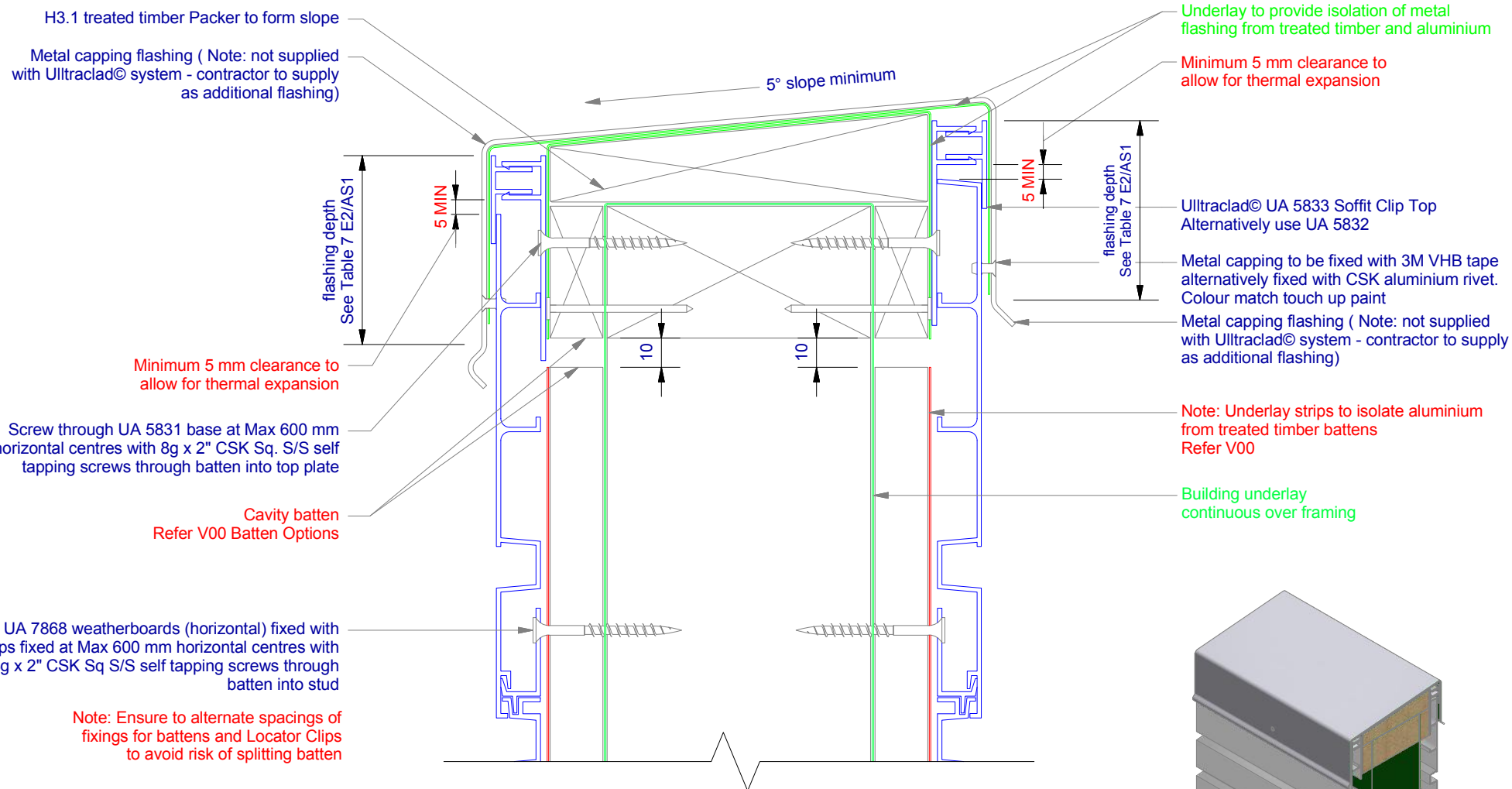
Gutter Wall Junction on Cavity

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HORIZONTAL CAVITY SYSTEM

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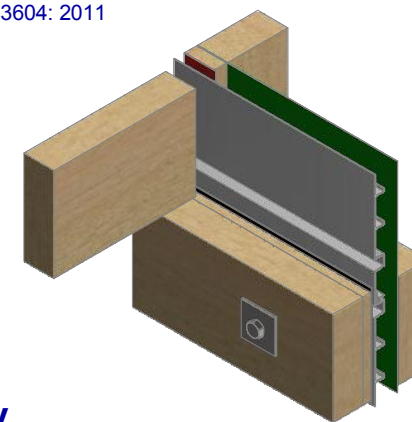
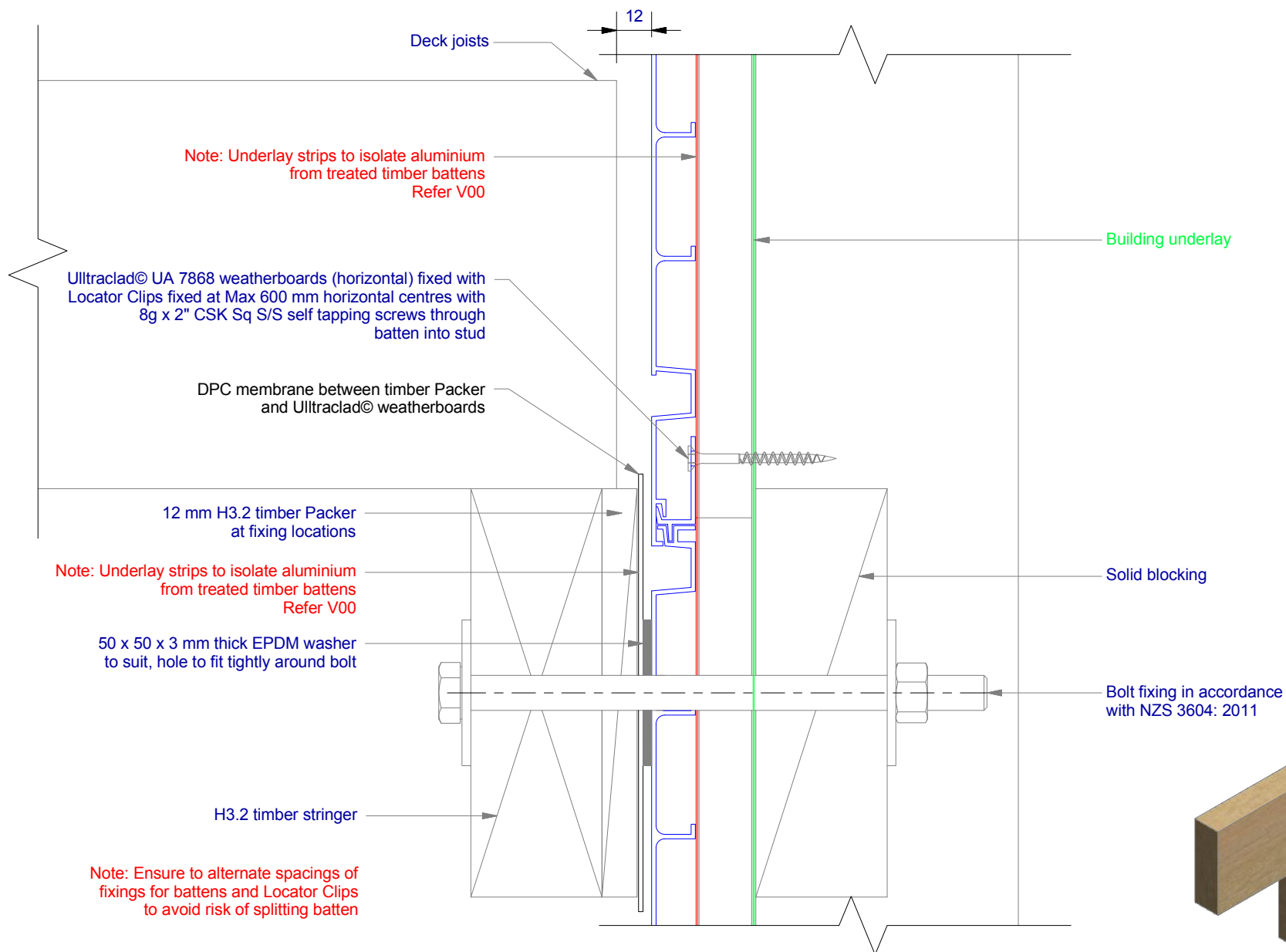
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Parapet on Cavity
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HORIZONTAL CAVITY SYSTEM

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Deck Junction on Cavity
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Note: Ensure to alternate spacings of fixings for battens and Locator Clips to avoid risk of splitting batten

Ultracalad® UA 7868 weatherboards (horizontal) fixed with Locator Clips fixed at Max 600 mm horizontal centres with 8g x 2" CSK Sq S/S self tapping screws through batten into stud

Building underlay

Note: Underlay strips to isolate aluminium from treated timber battens Refer V00

Flashing tape

Ultracalad® UA 4862 Board Starter or alternatively use UA 4863 fixed to bottom plate with 50 x 2.5 mm clouts at 600 mm centres

Ultracalad® UA 7919 Inter-Storey Flashing

Screw through UA 7584 base at Max 600 mm horizontal centres with 8g x 2" CSK Sq. S/S self tapping screws through batten into frame

Minimum 5 mm clearance to allow for thermal expansion

Ultracalad® UA 5833 Soffit Clip Top Alternatively use UA 5832

Cavity batten Refer V00 Batten Options

Note: this detail is required to limit cavities to 2 storeys or 7 m Max - Refer E2/AS1 clause 9.1.9.4

Interior lining

Bottom plate

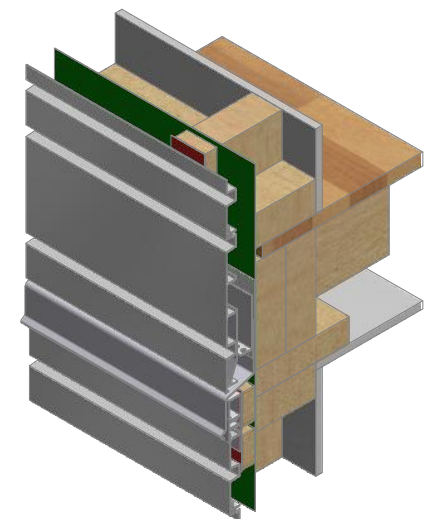
Flooring to finish 10 mm back from outside framing

Continuous boundary joists

For low to very-high wind zones the 'Z' flashing must have a 40 mm upstand and overlap the weatherboard face below by 35 mm. For extra-high wind zones the 'Z' flashing must have 65 mm upstand and overlap the weatherboard face below by 60 mm

Top plate

Interior lining



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Inter-Storey Junction on Cavity

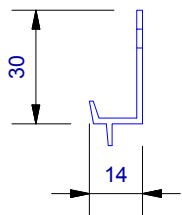
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

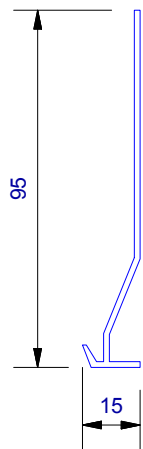
Scale: 1 : 3 @ A4 - 2019

Branz Appraisal #487 2019. (Horizontal)

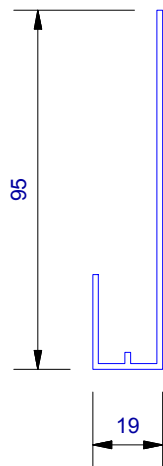
UA 4535
Locator Clip



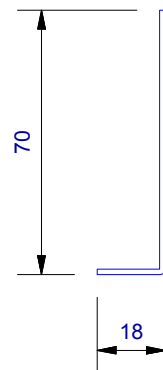
UA 4862
Board Starter A



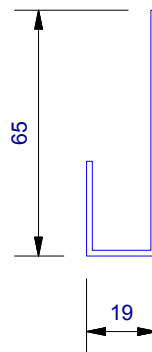
UA 4863
Board Starter B



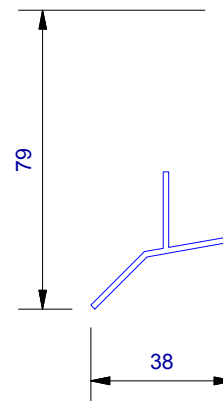
Cavity Vent Strip



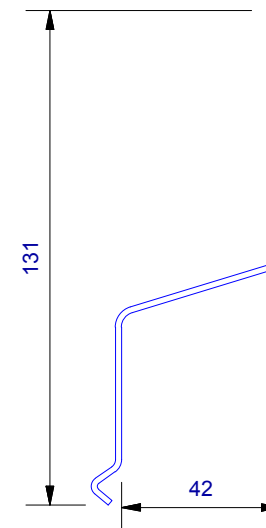
UA 4532
J Moulding



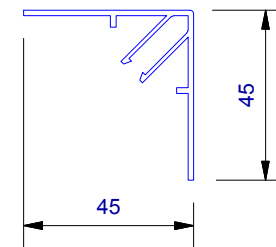
UA 4533
Head Starter



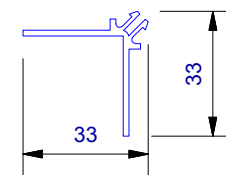
UA 7919
Inter-Storey Flashing



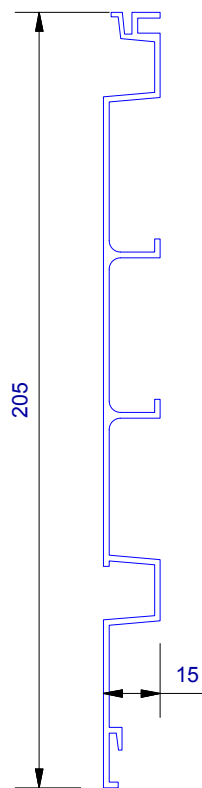
UA 7094
Female Flat Corner



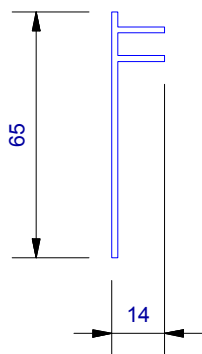
UA 7095
Male Flat Corner



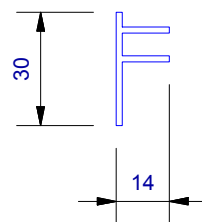
UA 7868
SHADO 140 Board



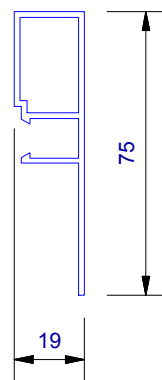
UA 5832
Soffit 65mm Clip Top



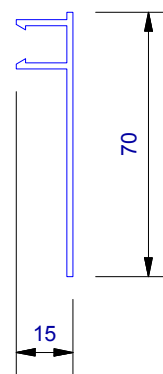
UA 5833
Soffit 30mm Clip Top



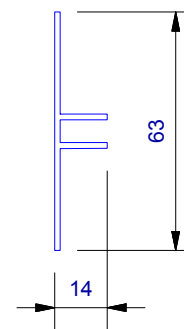
UA 7584
Jamb/Sill Clip Base



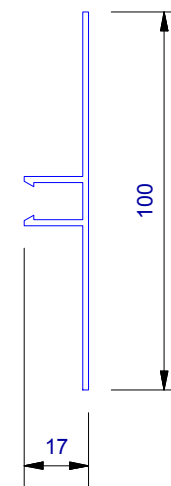
UA 5831
Soffit Clip Base



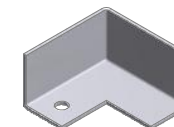
UA 7096
Flat Joiner Top



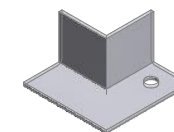
UA 6324
2 Piece Joiner Base



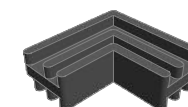
CLADCNRCAPE
External Corner Cap (1 : 3)



CLADCNRCAPI
Internal Corner Cap (1 : 3)



CLADSTAKECNR
Plastic Staking Corner



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SHADO 140 PROFILES
UA 7868 SHADO 140 BOARD

HORIZONTAL CAVITY SYSTEM

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