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HARDWOOD CLADDING INSTALLATION AND MAINTENANCE GUIDE

SUPPLIERS OF AUSTRALIAN HARDWOOD TIMBER SOLUTIONS *THAT DON'T COST THE EARTH*

Material Storage:

The cladding will be supplied with weatherproof wrap, we recommend this is inspected for damage during transportation and any damage repaired. Packs should be stored on packers to maintain at least 150mm ground clearance, be supported on dry and clean timber bearers at maximum 900 mm centres and stored on a level surface. Once the packing straps are removed the pack should be stropped tight to maintain pack integrity especially if it is to sit for an extended period of time.

The weatherboards must be kept dry at all times either by storing within an enclosed building or when stored externally an additional secondary cover to the plastic wrapping is required. Care must be taken to avoid damage to edges, ends and the weatherboard surfaces.

Moisture Content In Timber

To meet New Zealand MPI / Customs standards, LMA Timbers Australian Hardwood must present at between 9 and 14% moisture content – this is confirmed through kiln dried certification upon custom clearance.

Throughout New Zealand, we have a variance in our EMC (Equilibrium Moisture Content). Timber is affected by this as it is the relative humidity of the air and air temperature it is in contact with causing it to shrink or expand until it finds its equilibrium.

With this in mind, we highly recommend that in order for the timber to acclimatise to its environment and to help ensure minimal movement once installed that it is stored on the actual building site for a number of weeks and filleted (6mm minimum gap between cladding boards) allowing air to freely flow between the boards.

Please ensure to keep the pack stropped tight once filleted to maintain the timbers integrity, especially if it is going to sit for an extended period of time.

Substrate prep (Refer Selected LMA Hardwood Cladding Detailing)

LMA recommends our hardwood cladding is used over a E2 compliant drained and vented cavity system. Timber castellated horizontal cavity battens at 480mm max vertical spacing are recommended. Either 20mm battens fully supported by structural blocking or 40mm+ structural cavity battens are acceptable.

Installation:

Our preferred fixing is the Würth 70mm x 5.5mm Assy Plus Stainless Steel Self Drilling Decking Screw. 75mm x 3.25mm rose head annular groove S/S or Silica Bronze nails can also be used.. Pre-drilling is advised for both screw and nail options but is a must when closer than 100mm from the end of a board. Refer drawings on pages 27 and 28 of LMA Timber Vertical Shiplap Detailing Documentation. Screws and nails must penetrate a minimum of 30mm into the stud or structural cavity batten.

Placement of fixing is 35-40mm in from lap edge through the full thickness of the board as per our detailing refers.

Clinch nails must be used under the lap to maintain a 2mm expansion gap at the rear face at all times.

Timber Oiling of Laps, Weather Groove and Back

All 4 sides of the timber including lap joints and ends must be sealed with oil, this includes the board lap and weather groove.

LMA timber recommends using Dulux's Intergrain Natures Oil - Natural (tint colour). We have a nationwide deal with Dulux so that you receive up to 20% discount on the reccommended retail price. Please use our cash trade account number when purchasing - LMA Timber 139658.

Joining of boards:

Bottom edges should be cut with an angle of 15deg+ away from the building to create a drip edge and must be sealed.

All board joints should be spliced horizontally with a cut angle of 30deg+ with the splice draining to the exterior face and both cut ends sealed. An unsupported board overhang of no more than 70mm is recommended. Please refer to page 22 of our Vertical Shiplap Detailing document - Drawing - Scarf Join Stain Finish.

All boards must be fully fixed off within a reasonable time frame to avoid any movement due to moisture exposure and thermal stresses.

Maintenance:

Building owners are responsible for the maintenance of LMA Timbers Hardwood Cladding. Annual inspections must be made to ensure that all aspects of the cladding system, including flashings remain in a weatherproof condition. Any damaged areas or areas showing signs of deterioration which would allow water ingress, must be repaired immediately. Sealant, coatings, flashings or the weatherboards must be repaired in accordance with the relevant manufacturer's instructions.

Annual Timber Cleaning

Regular cleaning (at least annually) of the surface finish with water and a mild detergent is recommended to remove grime, dirt and organic growth (such as mould) to maximise the life and appearance of the cladding.

Re-coating of Oil / Stain

Our Australian Hardwood cladding is a class 1 (majority) or class 2 timber (Silvertop Ash) as per AS 5604-2005 Timber—natural durability ratings. This means class 1 timber has 40 year plus natural durability and technically does not require further oiling / staining for 15 years as long as our installation and maintenance guidelines are strictly followed.

However, oiling / staining the timber every 2-3 years will increase its durability to in excess of 40 years plus when the oil has a UV stabiliser. It will also help to preserve the original colour of the timber at the time of installation to minimise the silvering off effect due to the strong UV rays we experience in New Zealand.

LMA timber recommends using Dulux's Intergrain Natures Oil - Natural (tint colour). We have a nationwide deal with Dulux so that you receive up to 20% discount on the recommended retail price. Please use our cash trade account number when purchasing - LMA Timber 139658.

If no oil / stain is applied over time and the timber has been installed as per the installation guidelines, the timber will naturally silver off without its 15 year durability warranty being compromised.

Health and Safety:

Cutting of LMA Timber cladding must be carried out in well ventilated areas and dust masks, gloves, eye and hearing protection must be worn.

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4. Compatibility of materials as per Tables 20-22 E2/AS1
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7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten

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LMA SHIPLAP HARDWOOD CLADDING DRAWING INDEX

Product	Sheet No.	Sheet Name	Issue Date
LMA	VER_00	Shiplap Hardwood Cladding Profile	03/2021
LMA	VER_01	Window Head Detail_Aluminium Joinery	03/2021
LMA	VER_02	3D Window Head Detail_Aluminium Joinery	03/2021
LMA	VER_03	Window Sill Detail_Aluminium Joinery	03/2021
LMA	VER_04	3D Window Sill Detail, Aluminium Joinery	03/2021
LMA	VER_05	Window Jamb Detail_Aluminium Joinery	03/2021
LMA	VER_06	3D Window Jamb Detail_Aluminium Joinery	03/2021
LMA	VER_07	Door Head Detail_Aluminium Joinery	03/2021
LMA	VER_08	Door Sill Detail_Aluminium Joinery	03/2021
LMA	VER_09	Door Jamb Detail_Aluminium Joinery	03/2021
LMA	VER_10	Internal corner_Mould	03/2021
LMA	VER_11	Internal Corner 01	10/03/2023
LMA	VER_12	External corner_Sealant	03/2021
LMA	VER_13	External corner_Corner flashing	03/2021
LMA	VER_14	External corner_Cover batten	03/2021
LMA	VER_15	External Corner_Mould	03/2021
LMA	VER_16	External corner 01	10/03/2023
LMA	VER_17	External corner 02	10/03/2023
LMA	VER_18	Inter-Storey Joint 01	10/04/2023
LMA	VER_19	Soffit Detail_Sloping 01	10/04/2023
LMA	VER_20	Enclosed Deck Balustrade to Wall Junction	03/2021
LMA	VER_21	Parapet Detail	03/2021
LMA	VER_22	Vertical cavity at enclosed deck	03/2021
LMA	VER_23	Drained Inter-Storey Joint	03/2021
LMA	VER_24	Base of Wall_Concrete	03/2021
LMA	VER_25	Scarf Join Stain Finish	03/2021
LMA	VER_26	Roof/Wall Junction apron flashing detail	03/2021
LMA	VER_27	Soffit Detail_Overhang	03/2021
LMA	VER_28	Eaves Detail_No Overhang	03/2021
LMA	VER_29	Meter Box Detail	03/2021
LMA	VER_30	General Nail fixing detail_Stain finish	10/03/23
LMA	VER_31	General Screw fixing detail_Paint fnish Pipe	10/03/23
LMA	VER_32	Penetration Plan Detail	10/04/23
LMA	VER_33	Pipe Penetration Detail	10/04/23
LMA	VER_34	Battens Set Out	10/04/23

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- TITLE: LMA Vertical Shiplap Hardwood Cladding
- DRAWING: **Cover sheet**
- SCALE: @ A4
- DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
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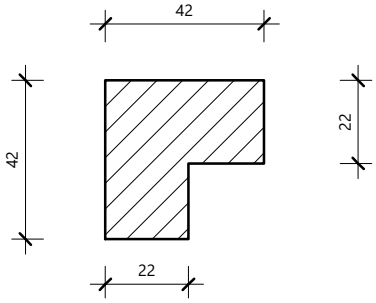
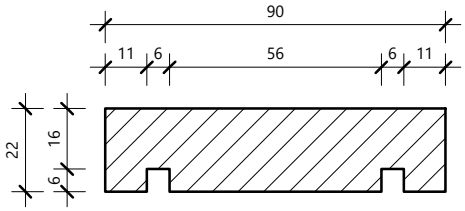
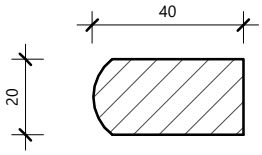


External corner mould

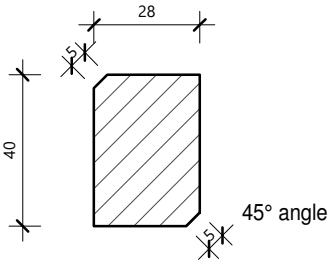


Internal corner mould

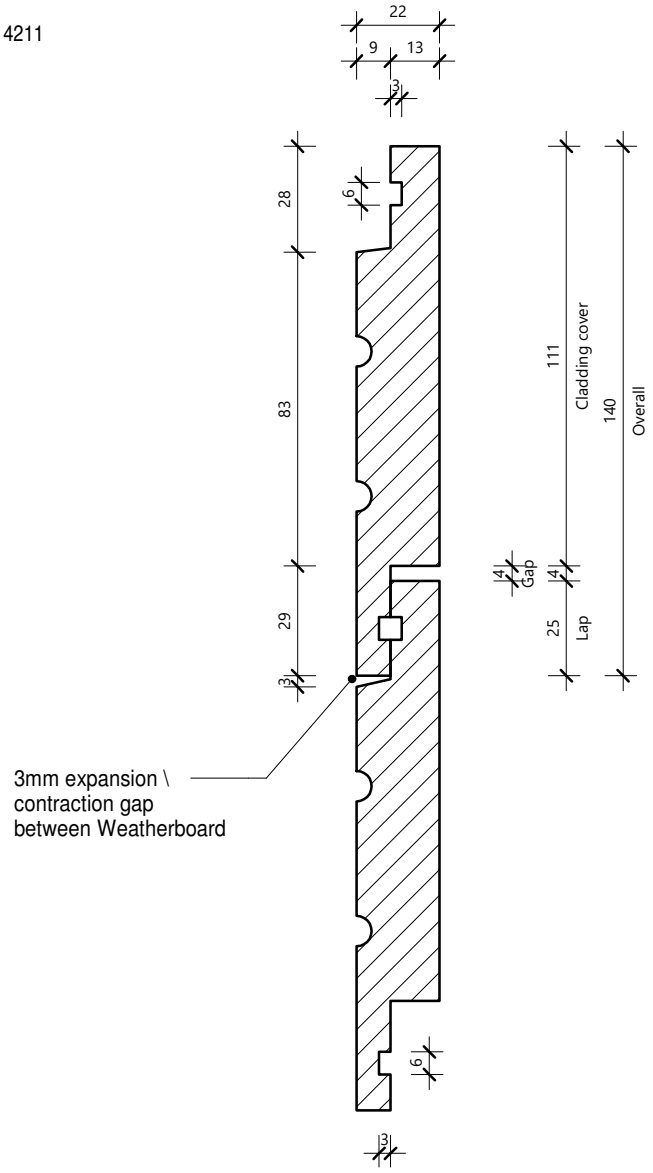
Selected LMA Hardwood cover batten



Timber scriber

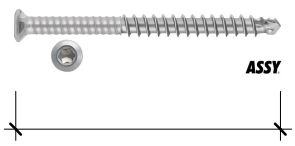


Eave mould
EX 50mm x 38mm



3mm expansion \
contraction gap
between Weatherboard

LMA Shiplap hardwood cladding 115mm cover



Wurth ASSY plus A2 decking screw
or as per E2/AS1 - Table 24:
30mm Min Penetration into stud

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• TITLE: LMA Vertical Shiplap Hardwood Cladding	
• DRAWING: **Shiplap Hardwood Cladding Profile**	
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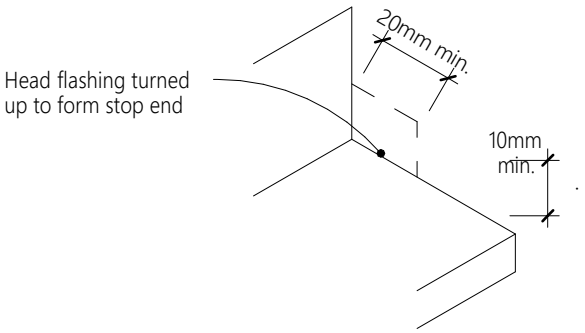

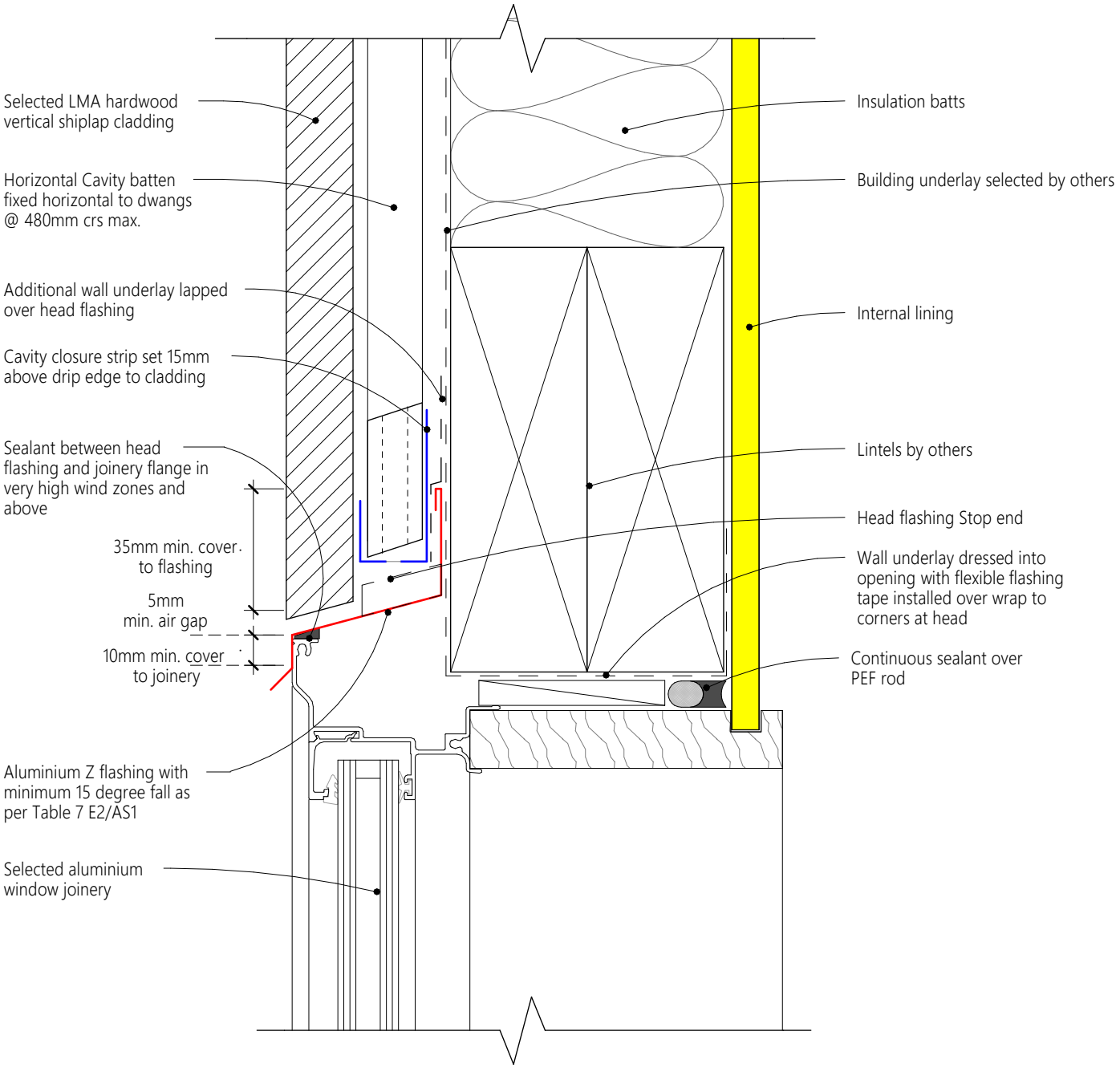

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Window Head Detail_Aluminium Joinery
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

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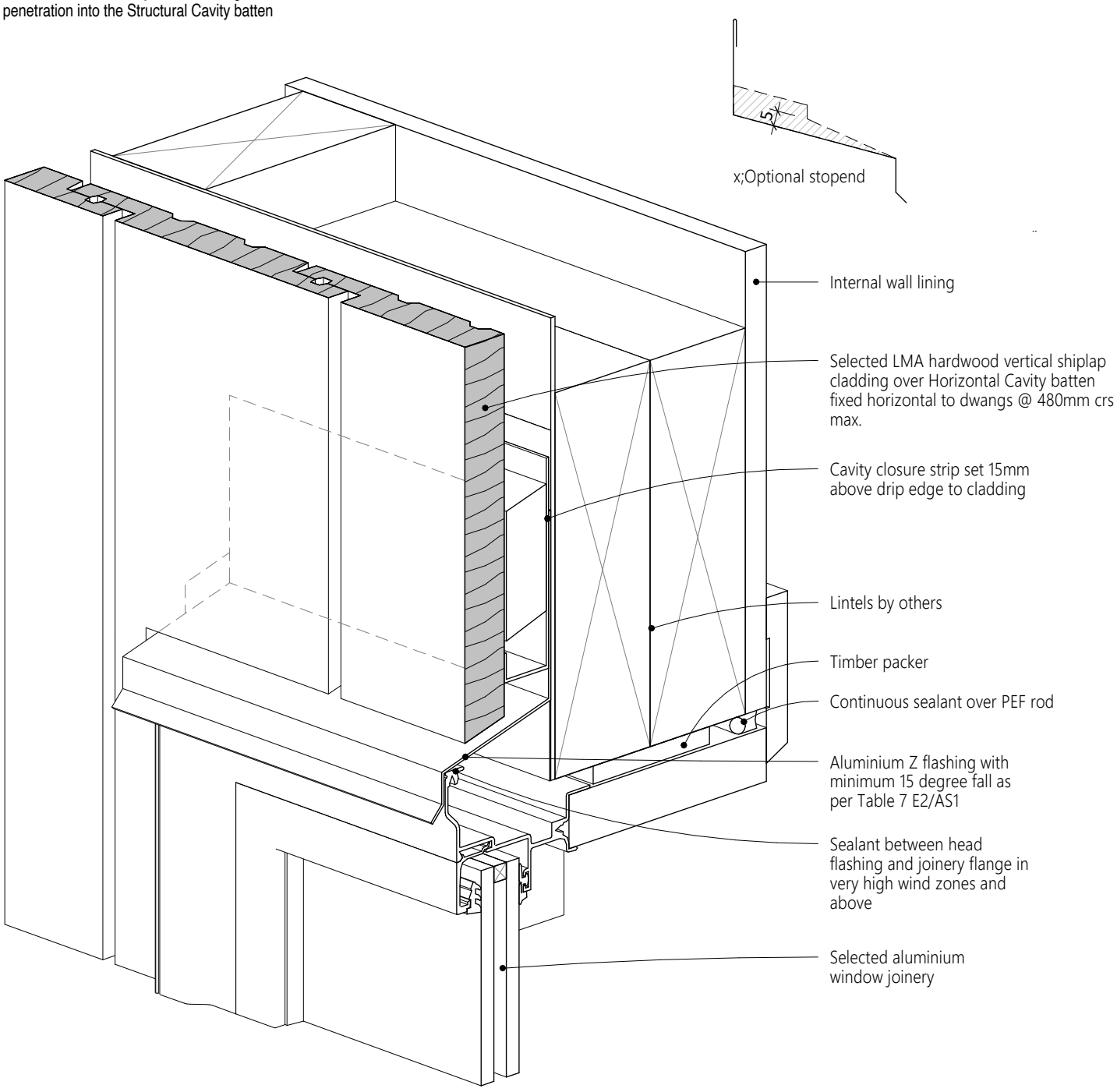

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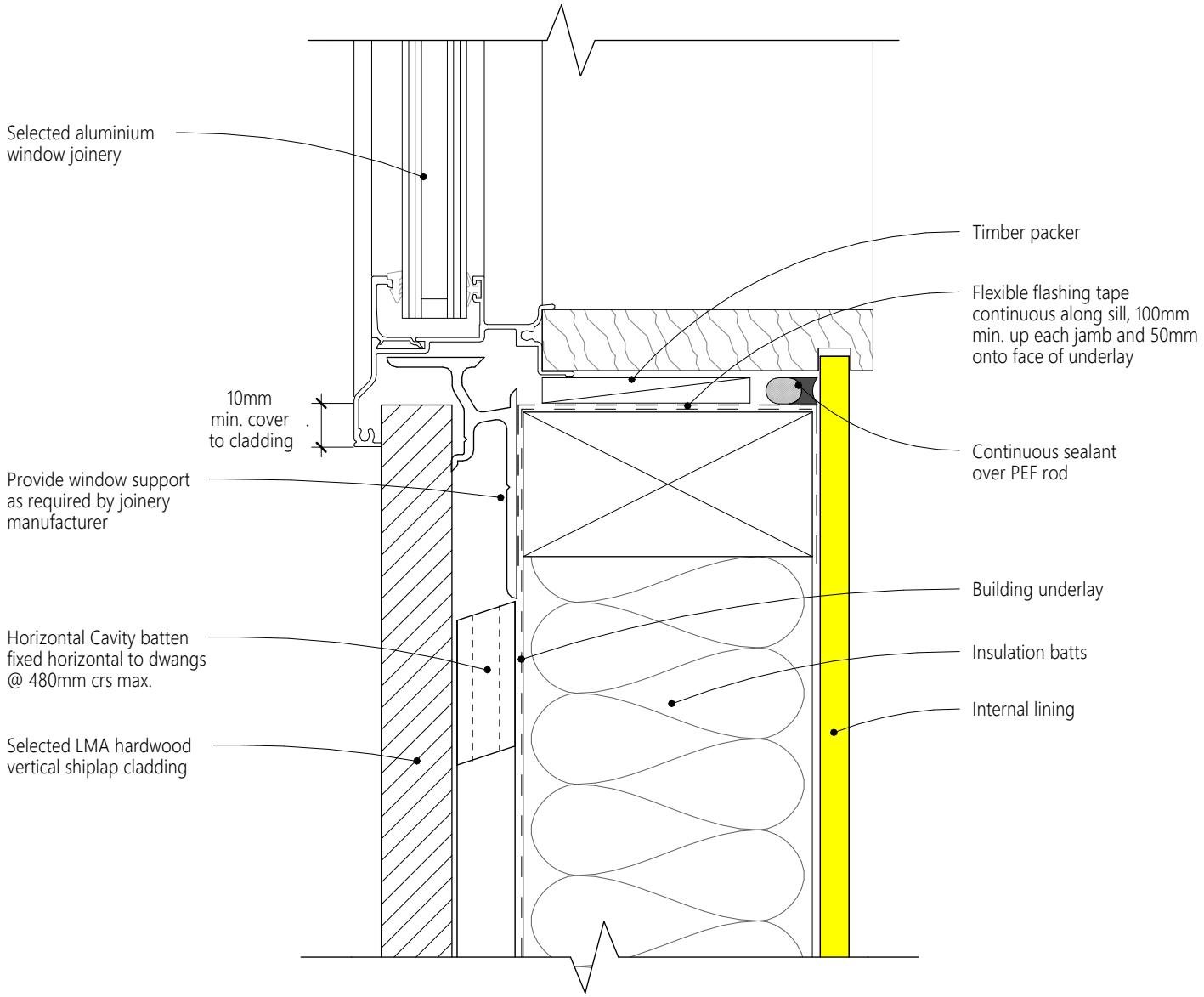

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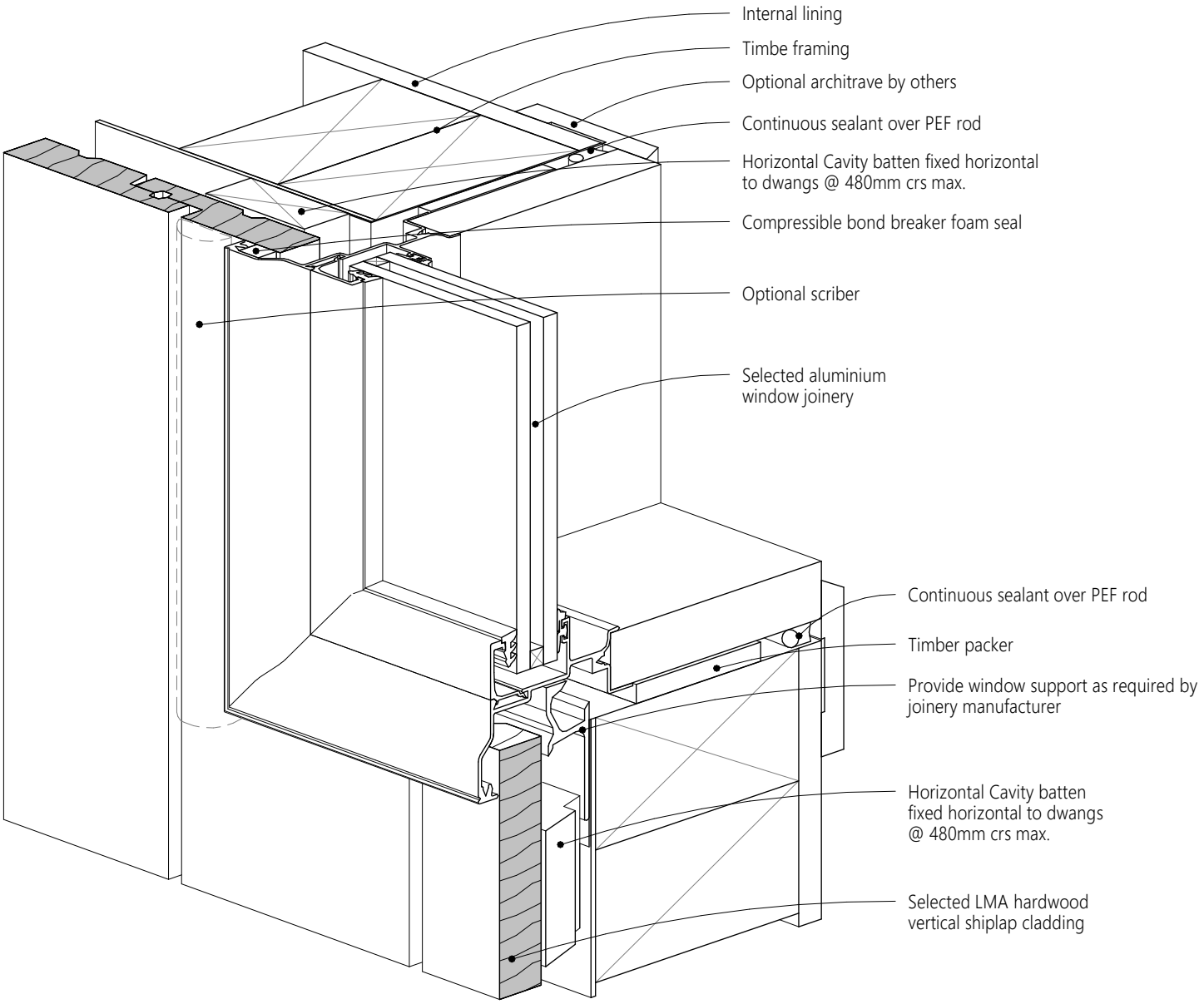

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	3D Window Sill Detail, Aluminium Joinery
• SCALE: 1 : 5@ A4	• DATE:09/06/2021

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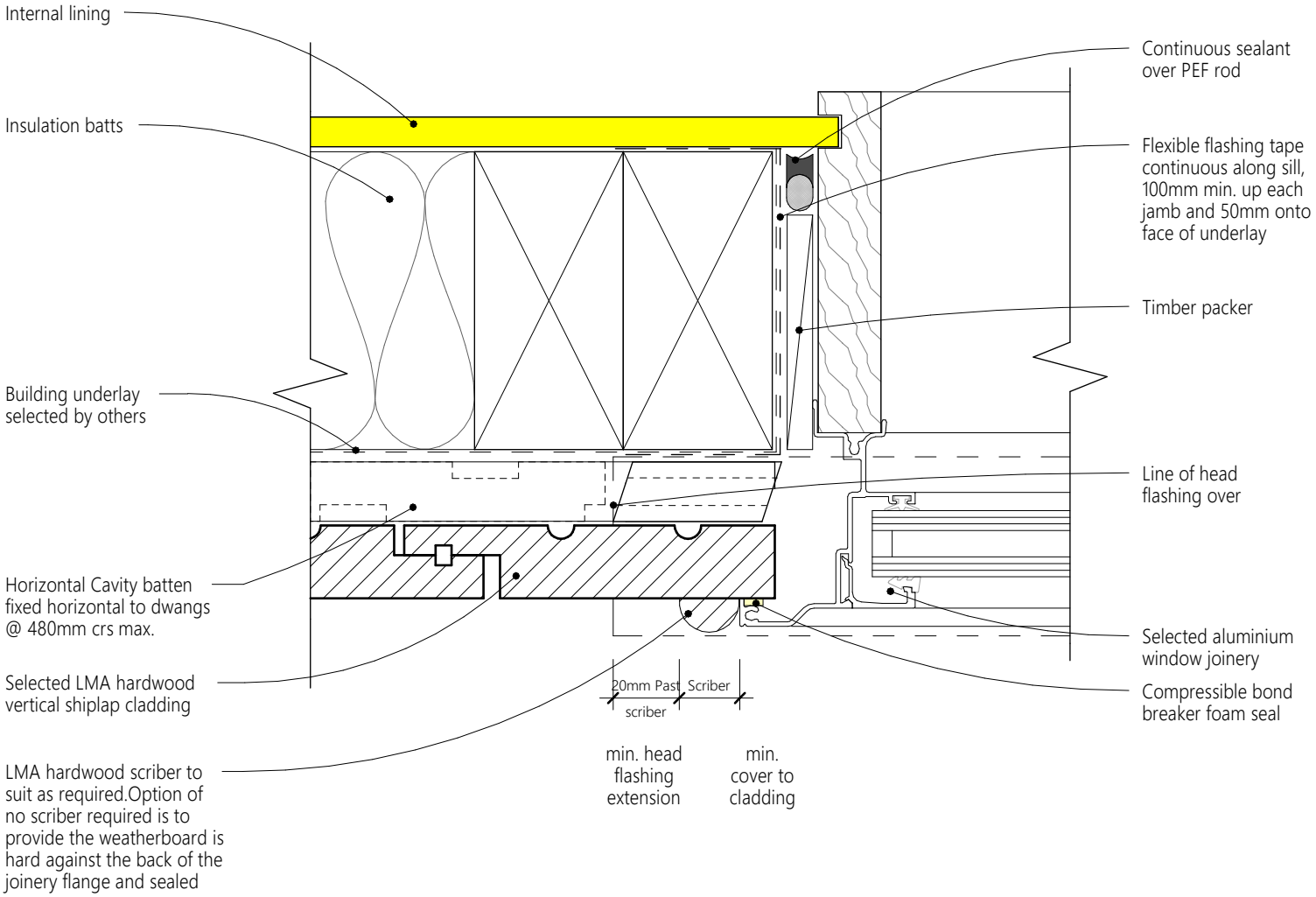

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Window Jamb Detail_Aluminium Joinery
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

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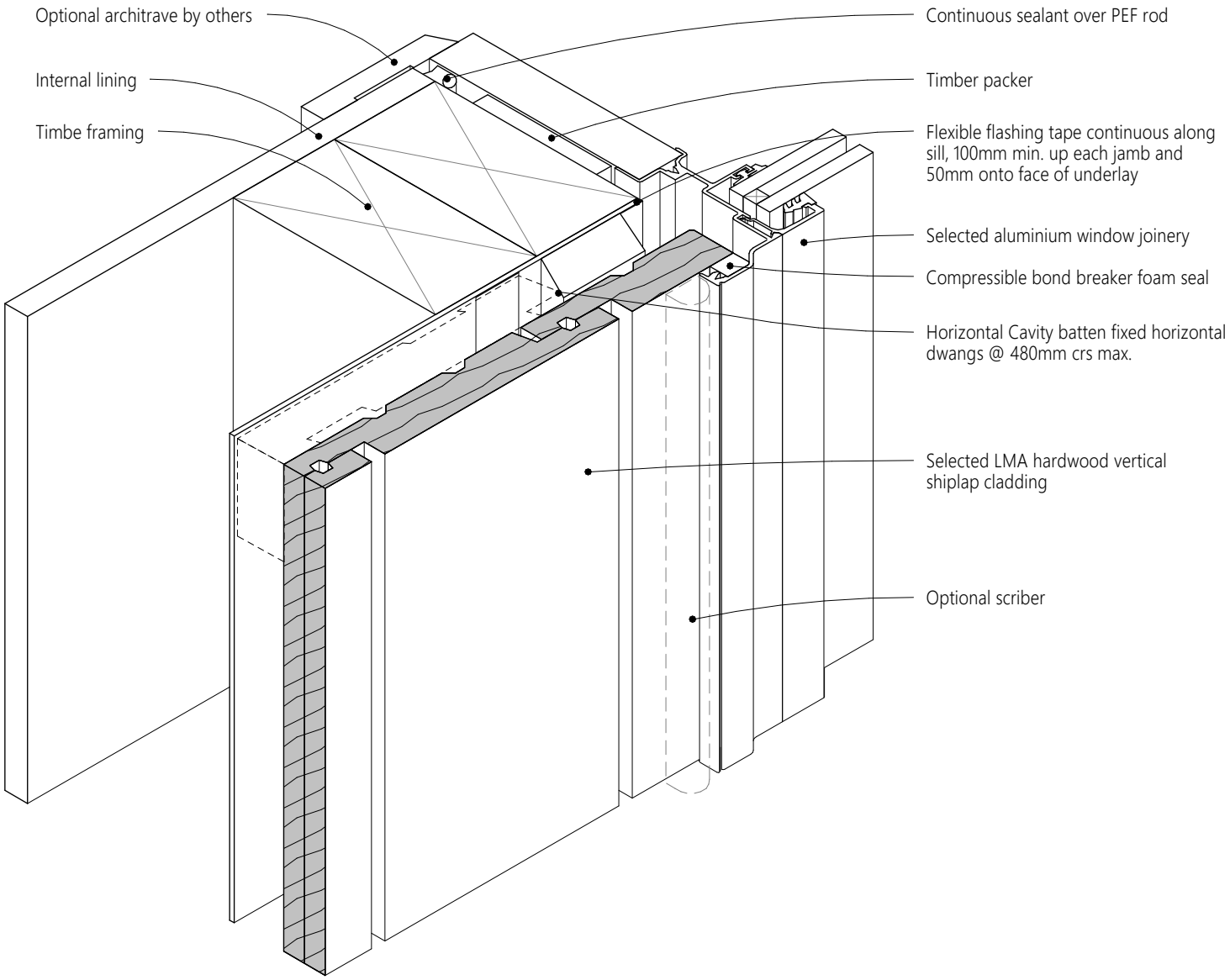

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding	
• DRAWING:	3D Window Jamb Detail_Aluminium Joinery	
• SCALE:	1 : 5@ A4	• DATE:09/06/2021

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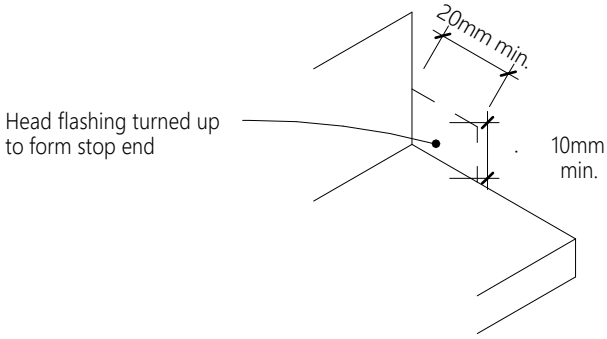

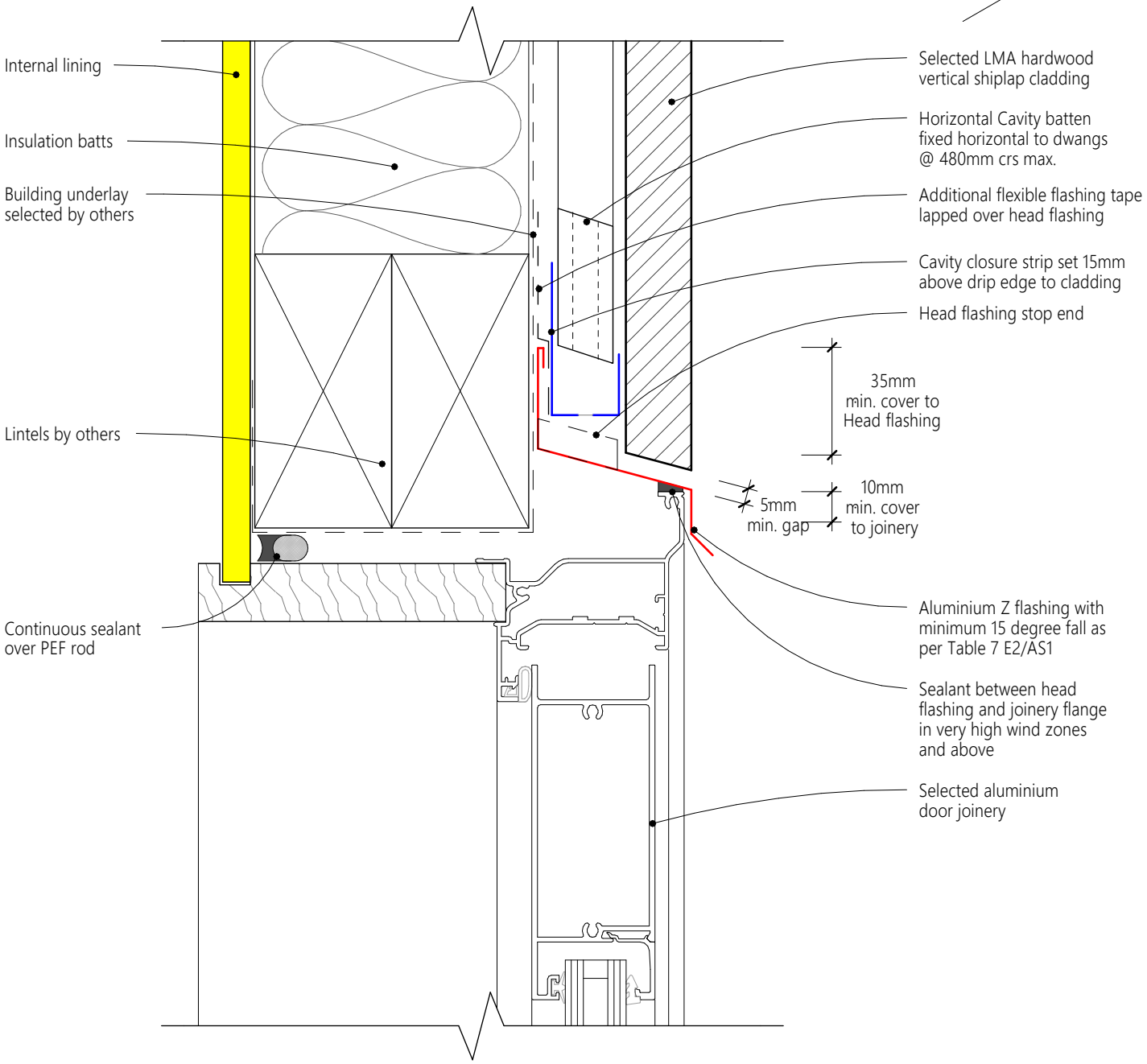

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding
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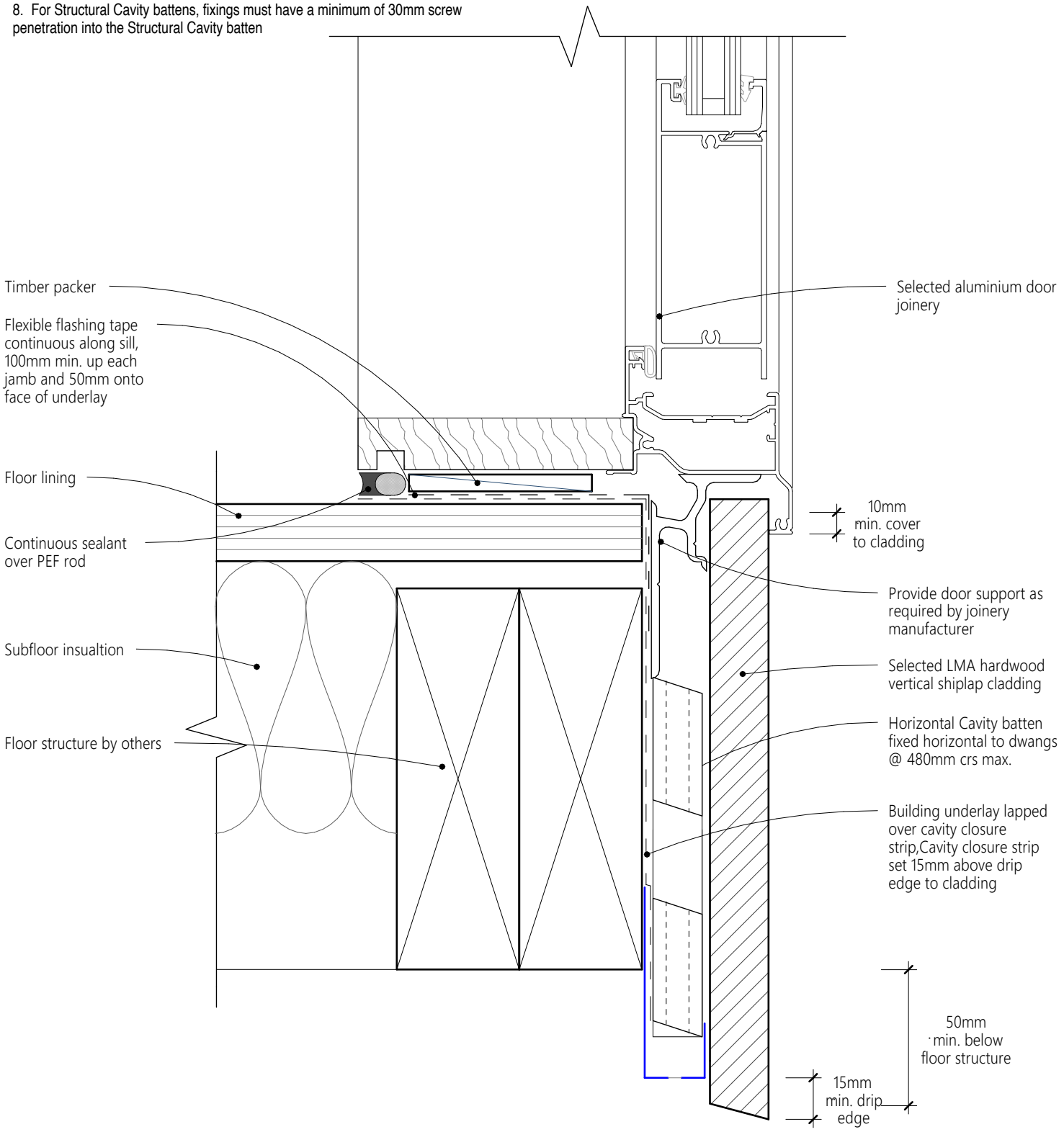

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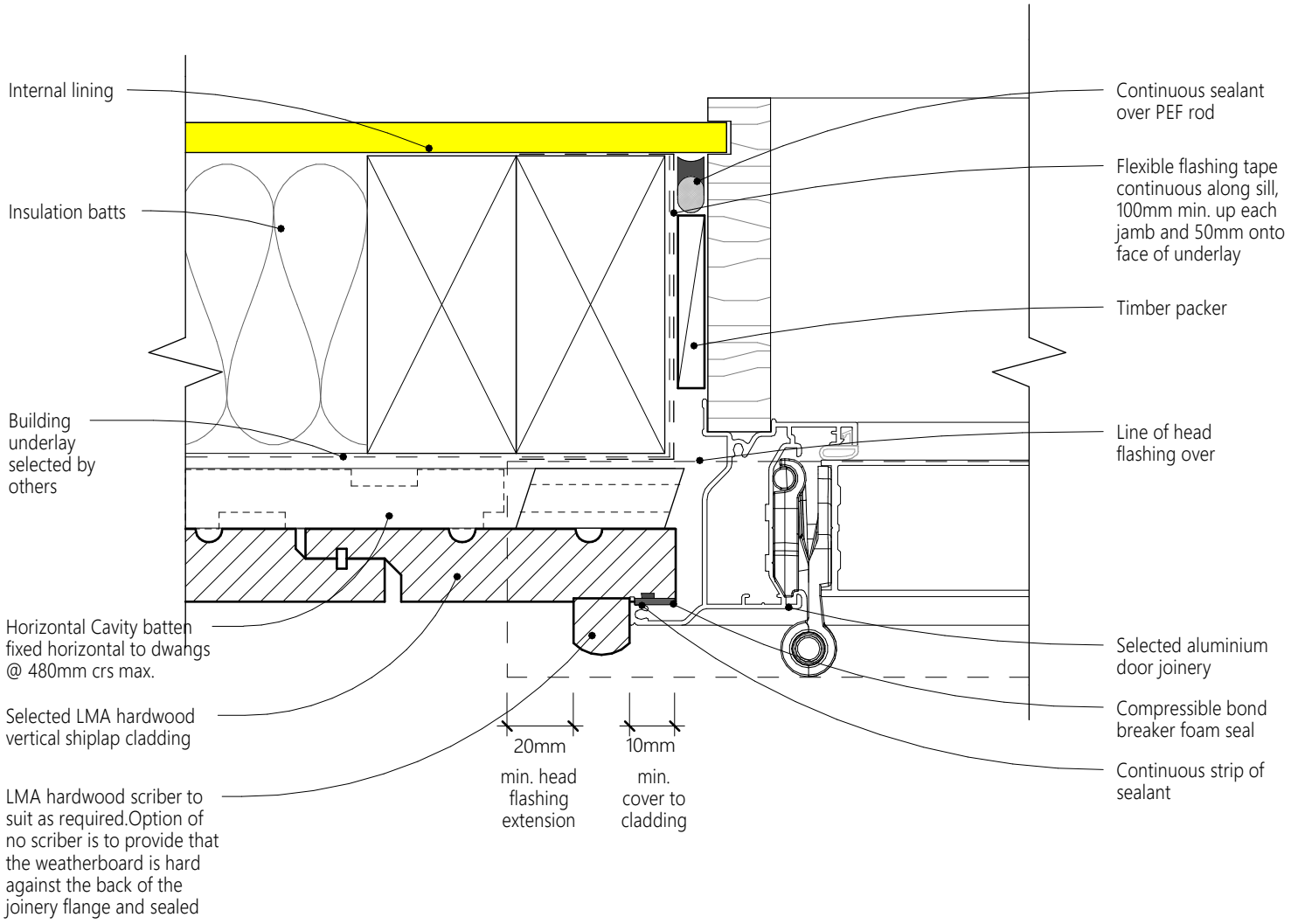

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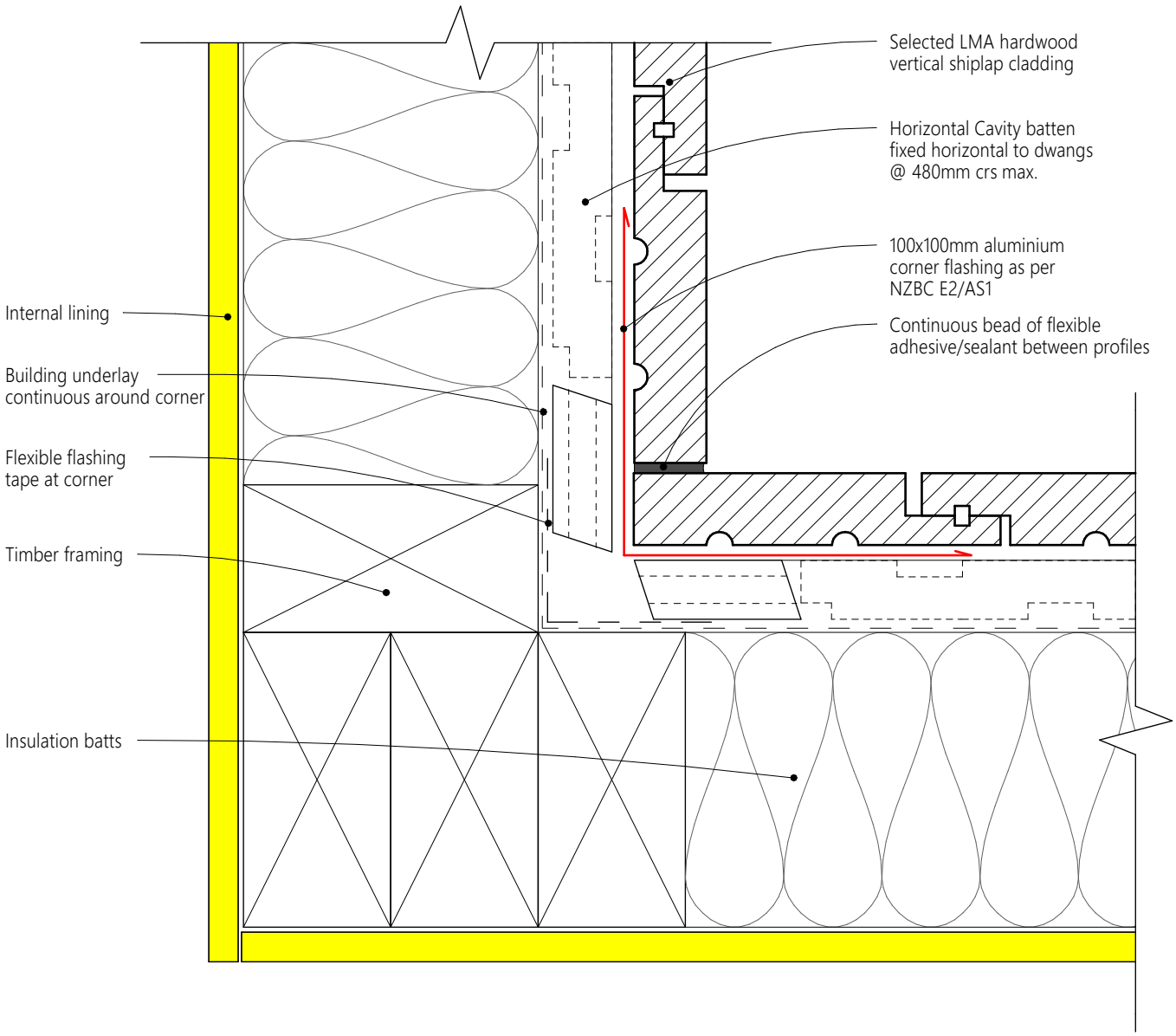
• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Door Jamb Detail_Aluminium Joinery
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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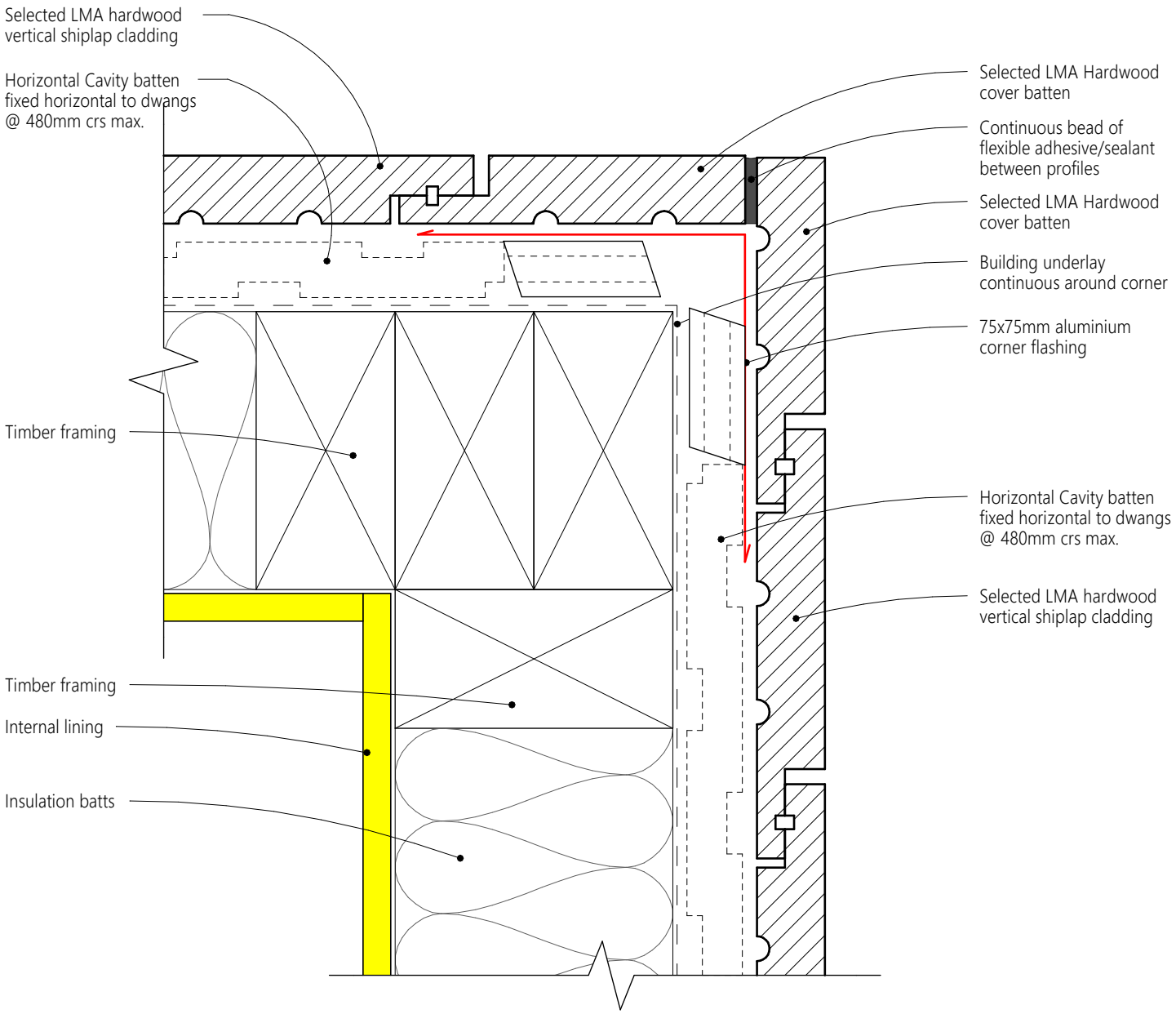
A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Internal Corner_01
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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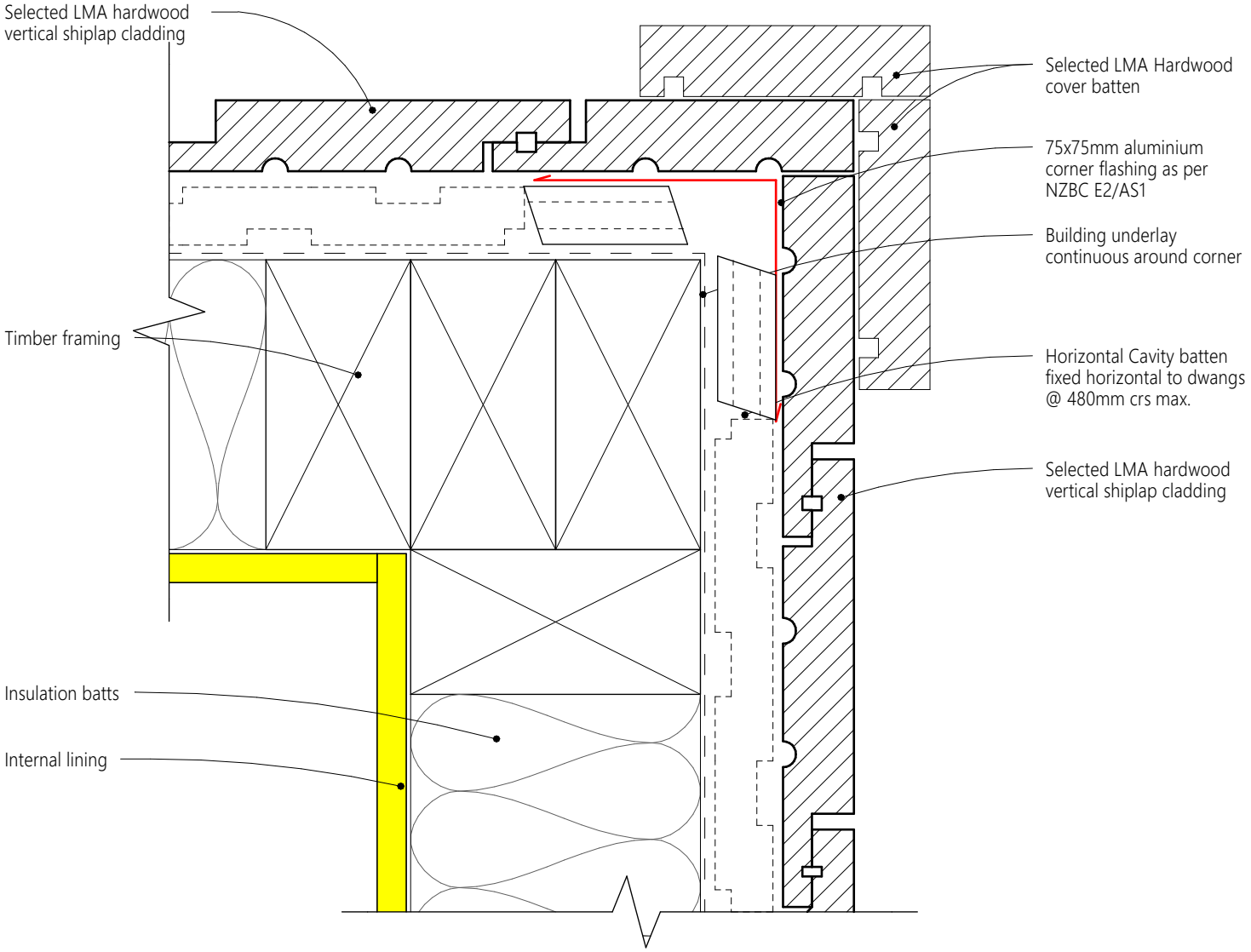
A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	External corner_Sealant
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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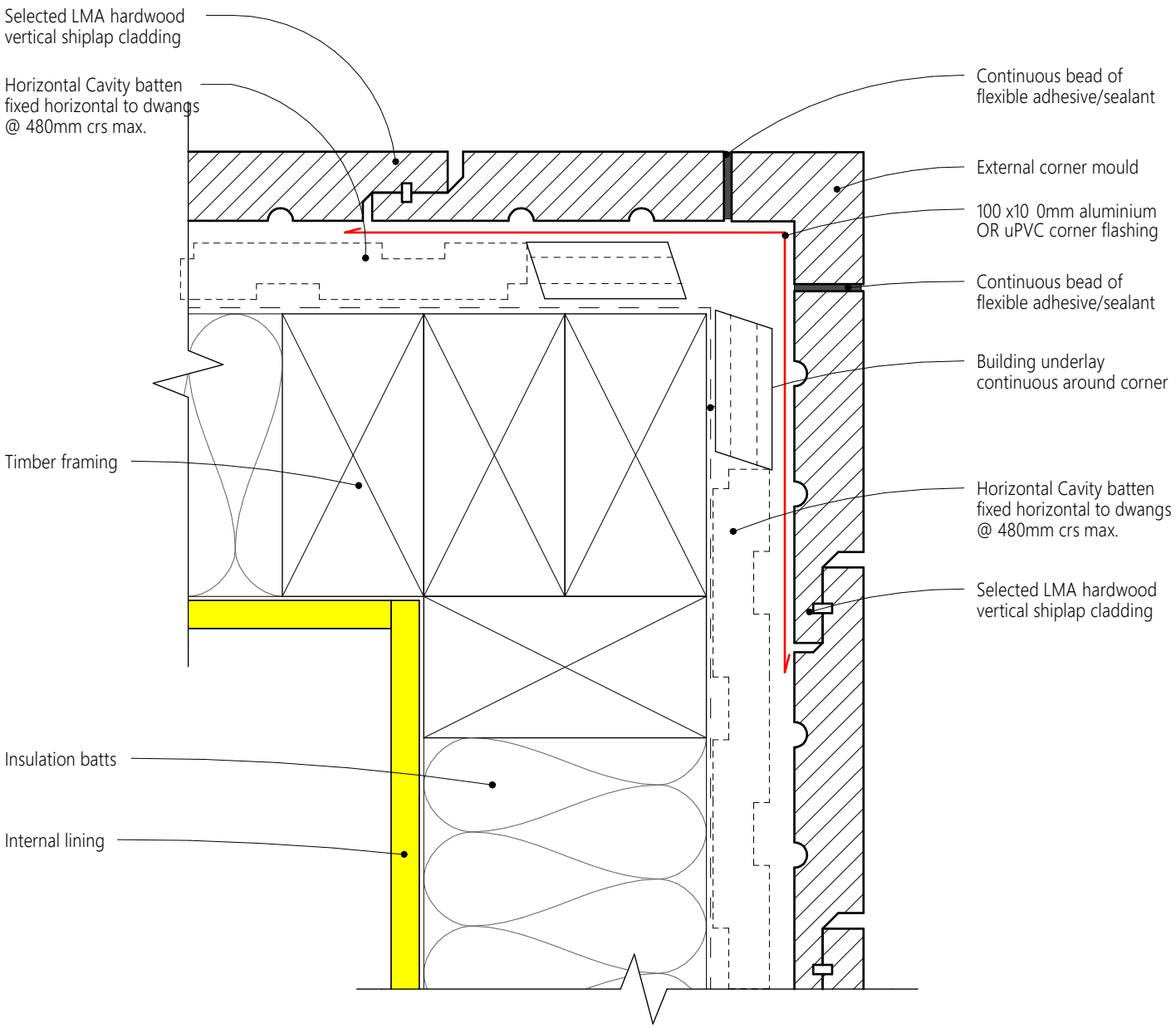
A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding	
• DRAWING:	External corner_Cover batten	
• SCALE:	1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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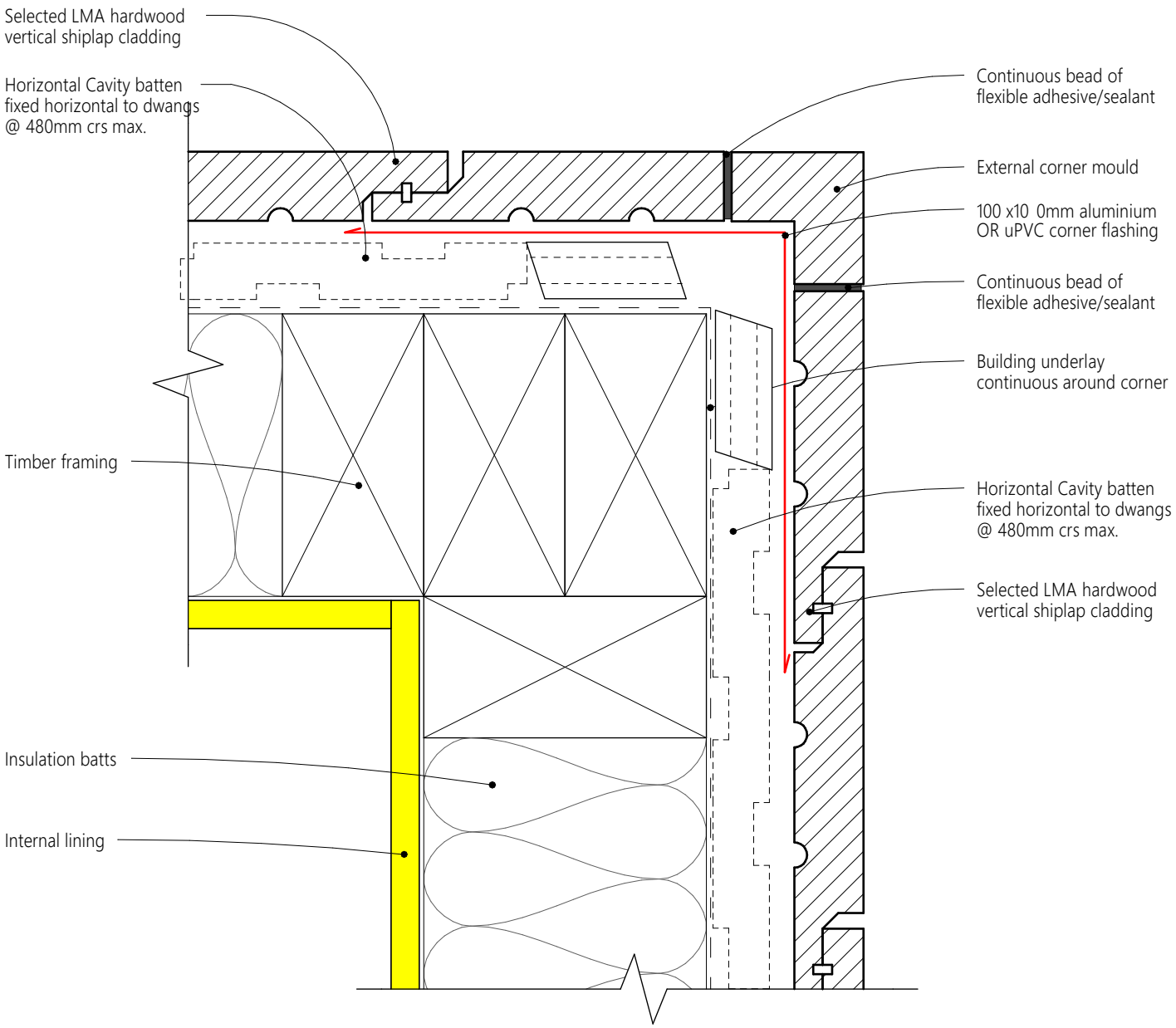
A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	External Corner_Mould
• SCALE: 1 : 2@ A4	• DATE:03 /04/2024

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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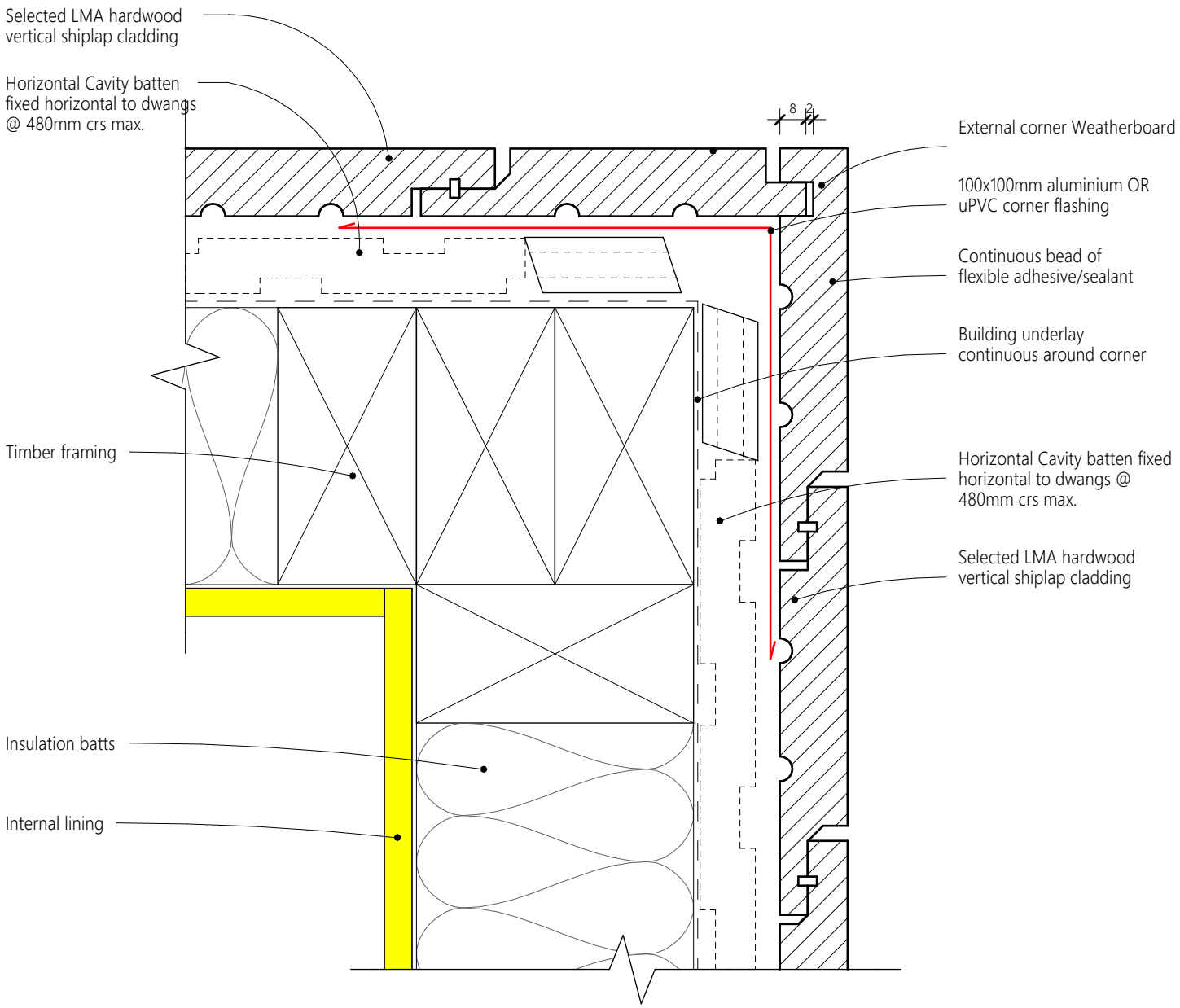
A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	External Corner_Mould
• SCALE: 1 : 2@ A4	• DATE:03 /04/2024

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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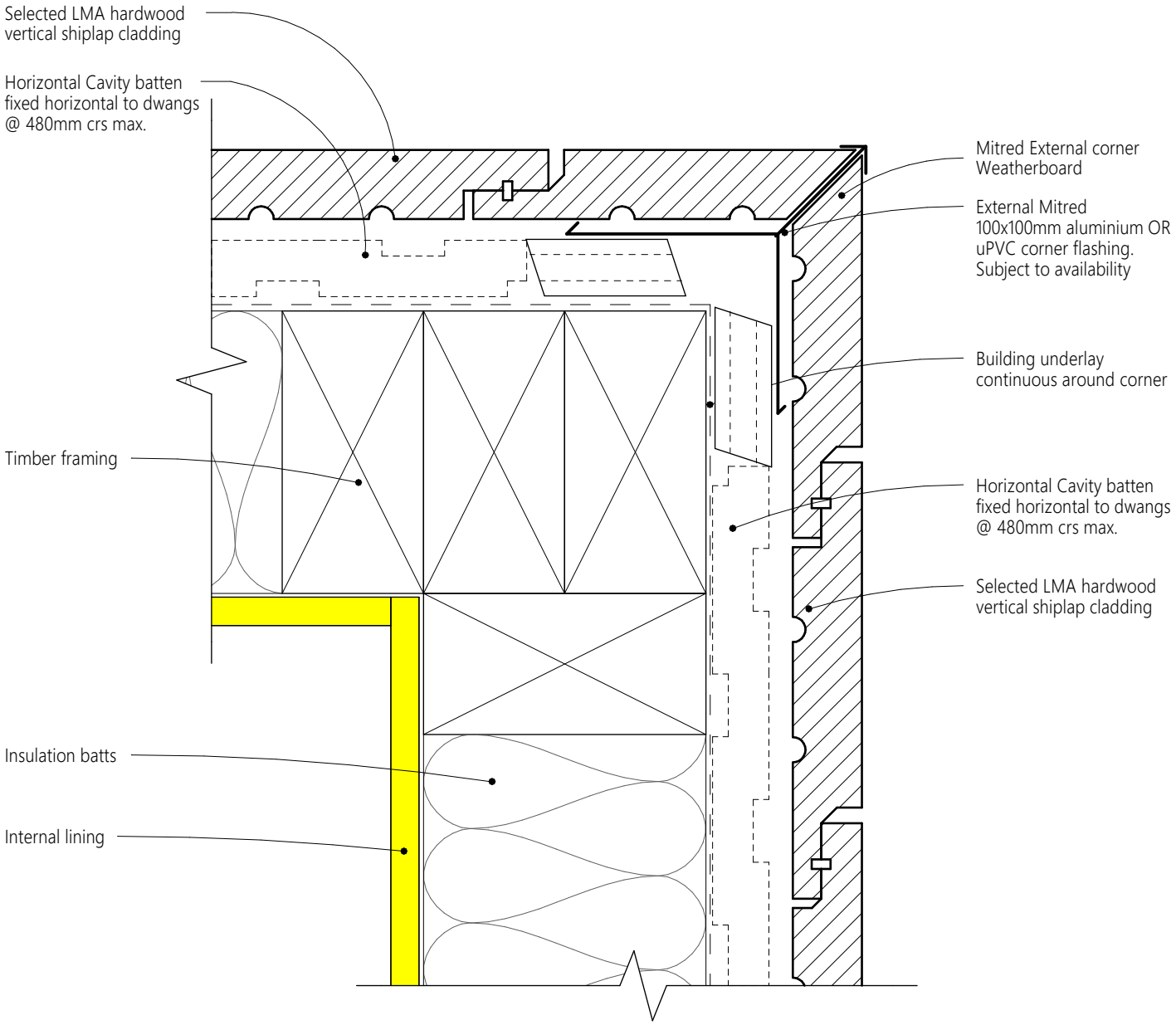
• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	External corner_ Rebated
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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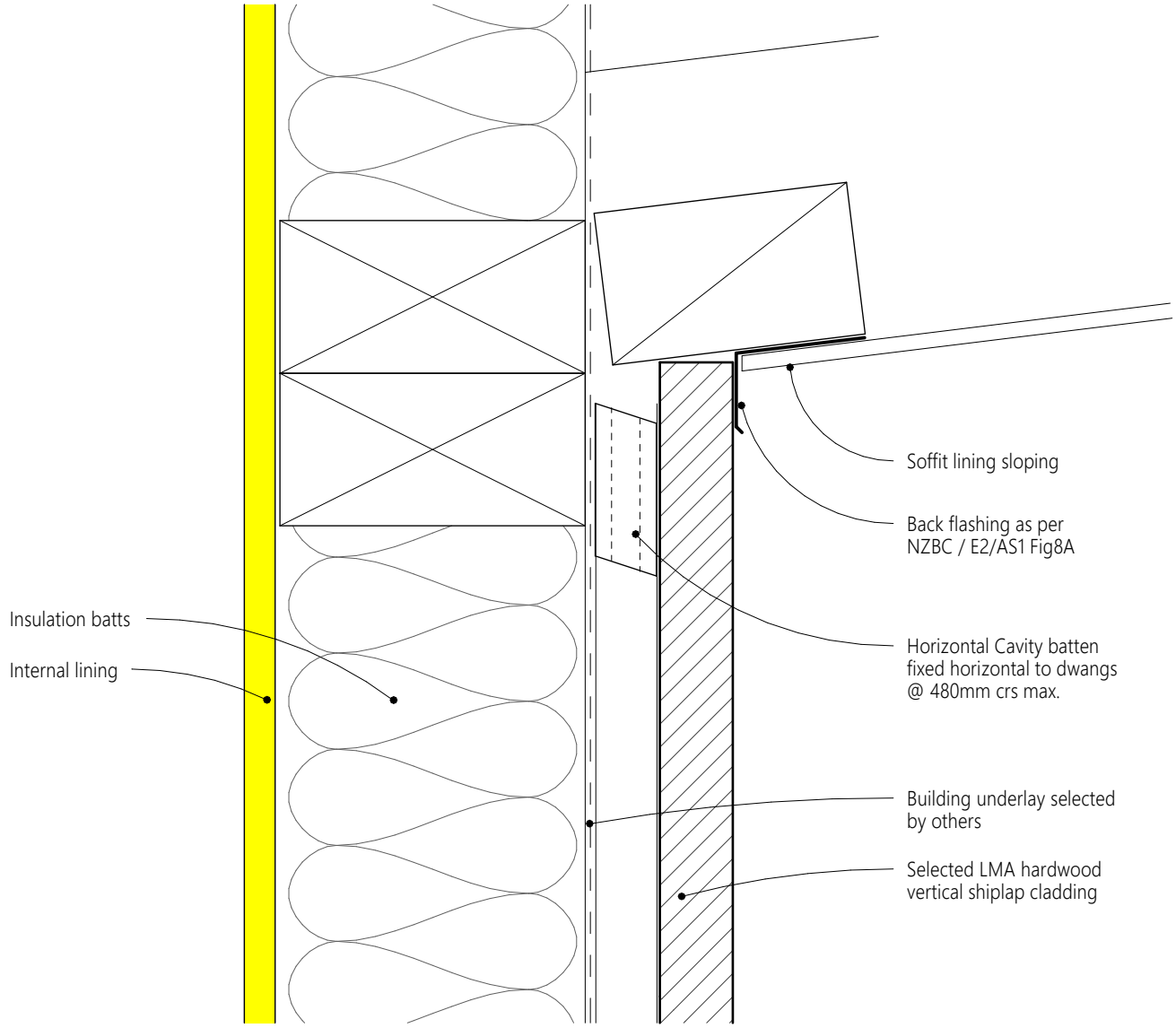
• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	External corner 02
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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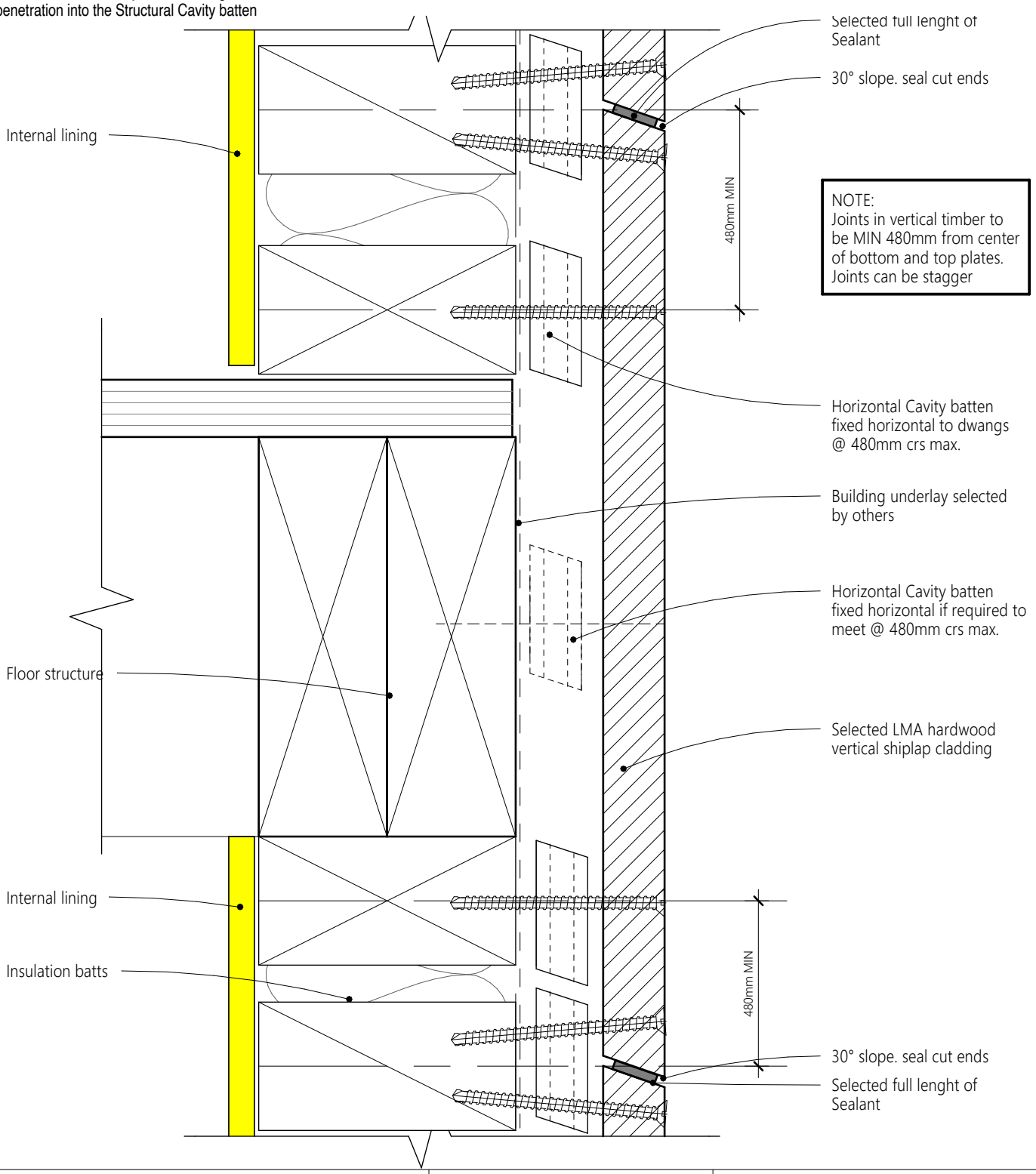
• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Soffit Detail_Sloping 01
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Inter-Storey Joint 01
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
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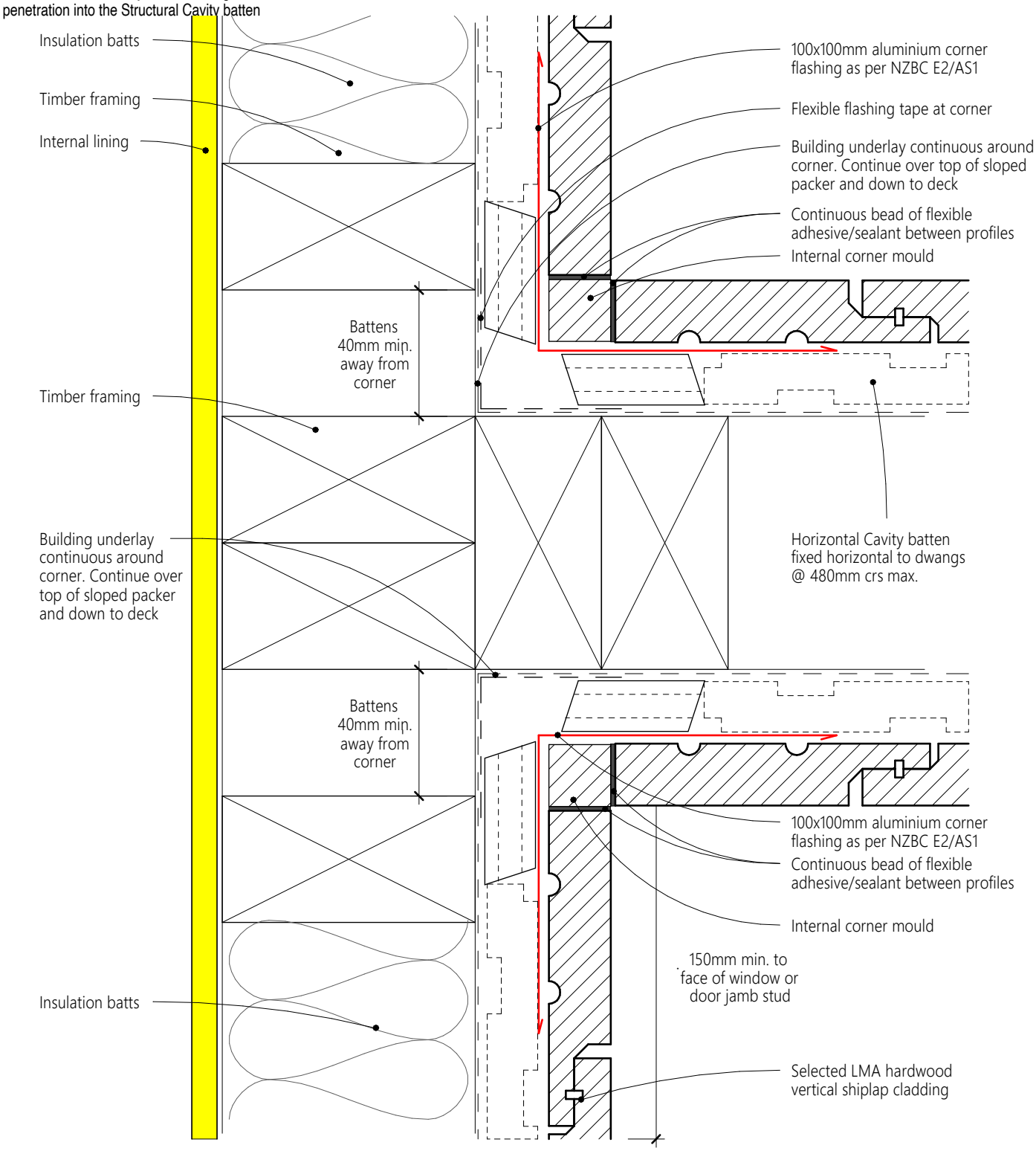
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding	
• DRAWING:	Enclosed Deck Balustrade to Wall Junction	
• SCALE:	1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
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4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
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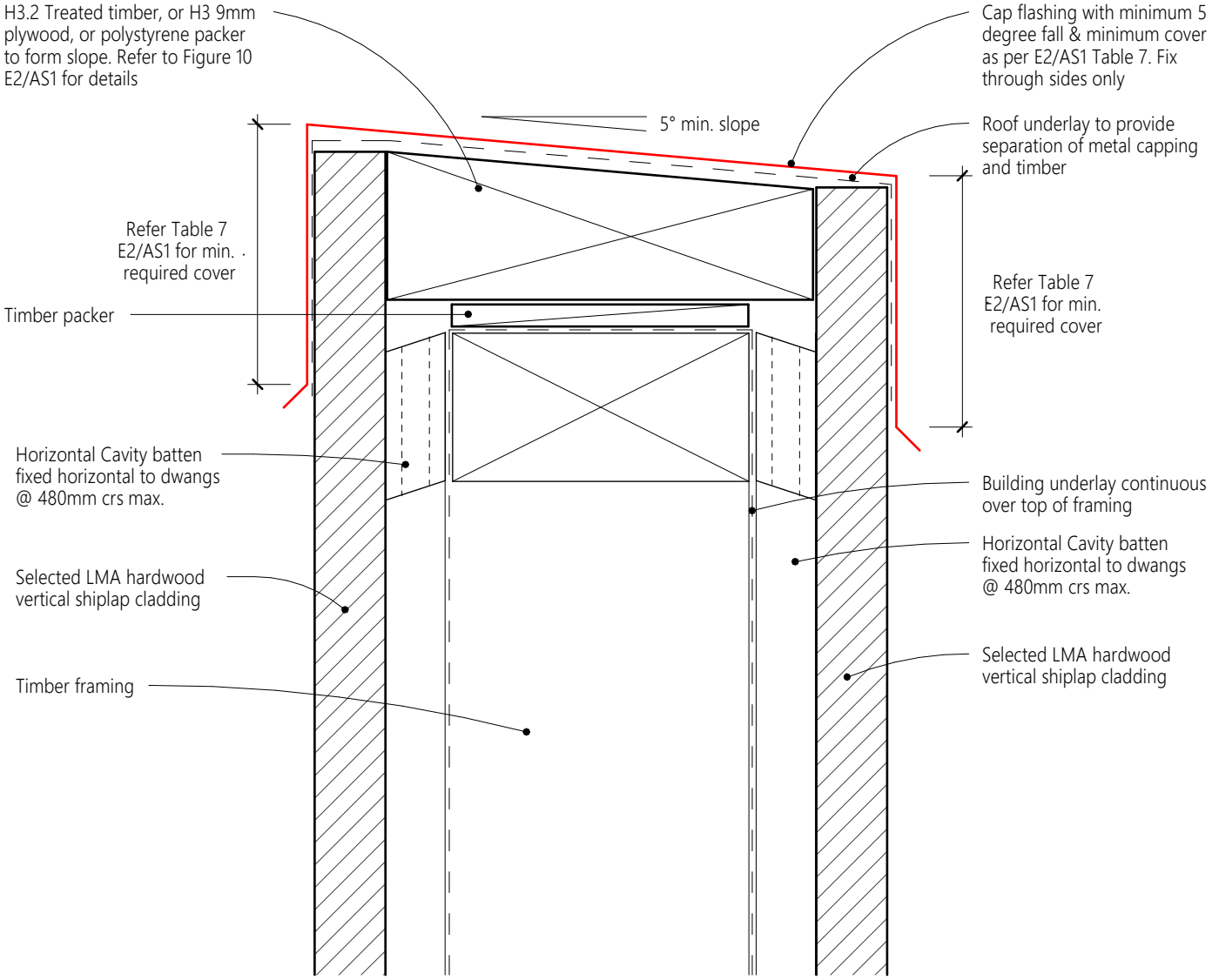

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding	
• DRAWING:	Parapet Detail	
• SCALE:	1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
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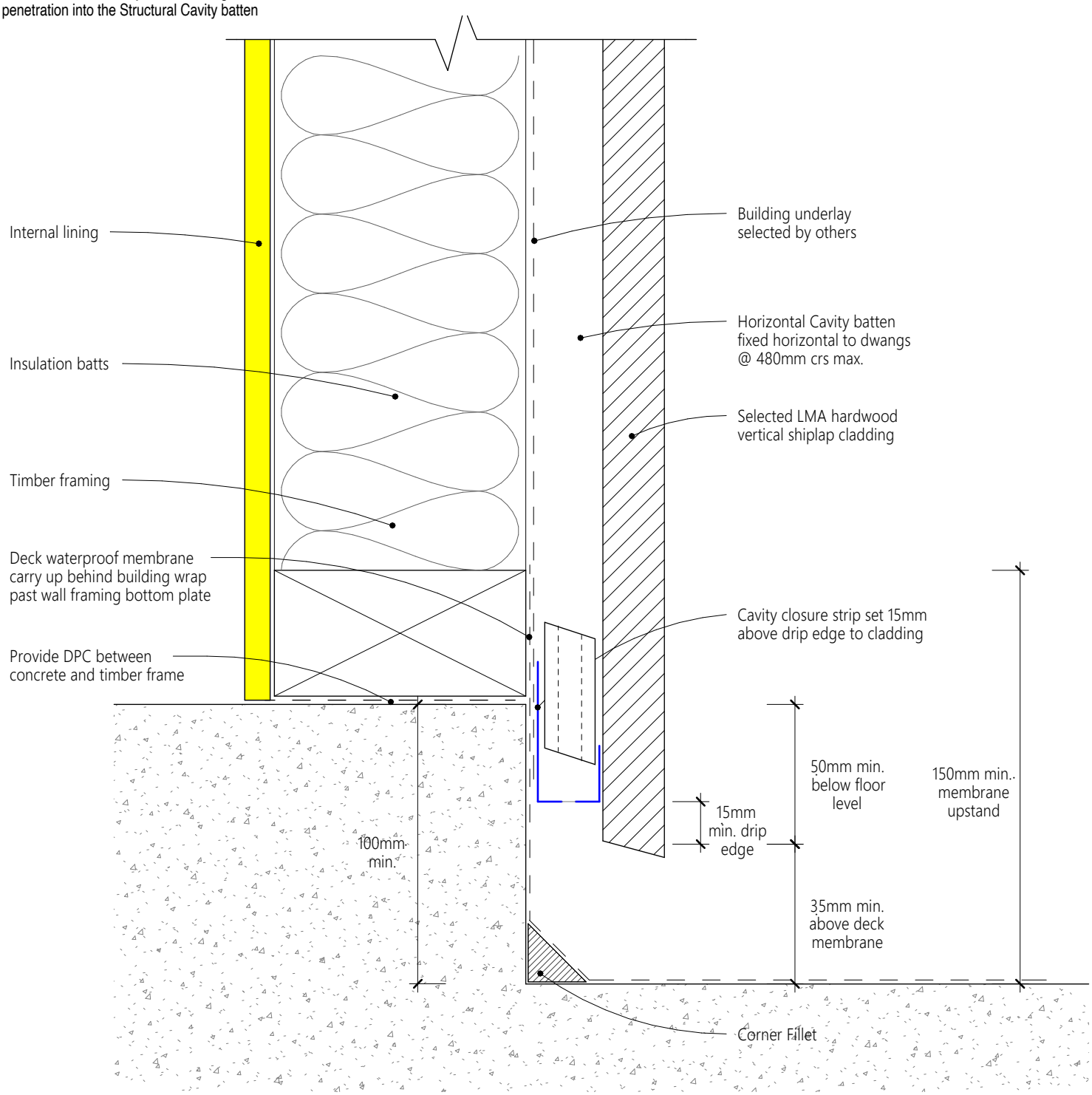
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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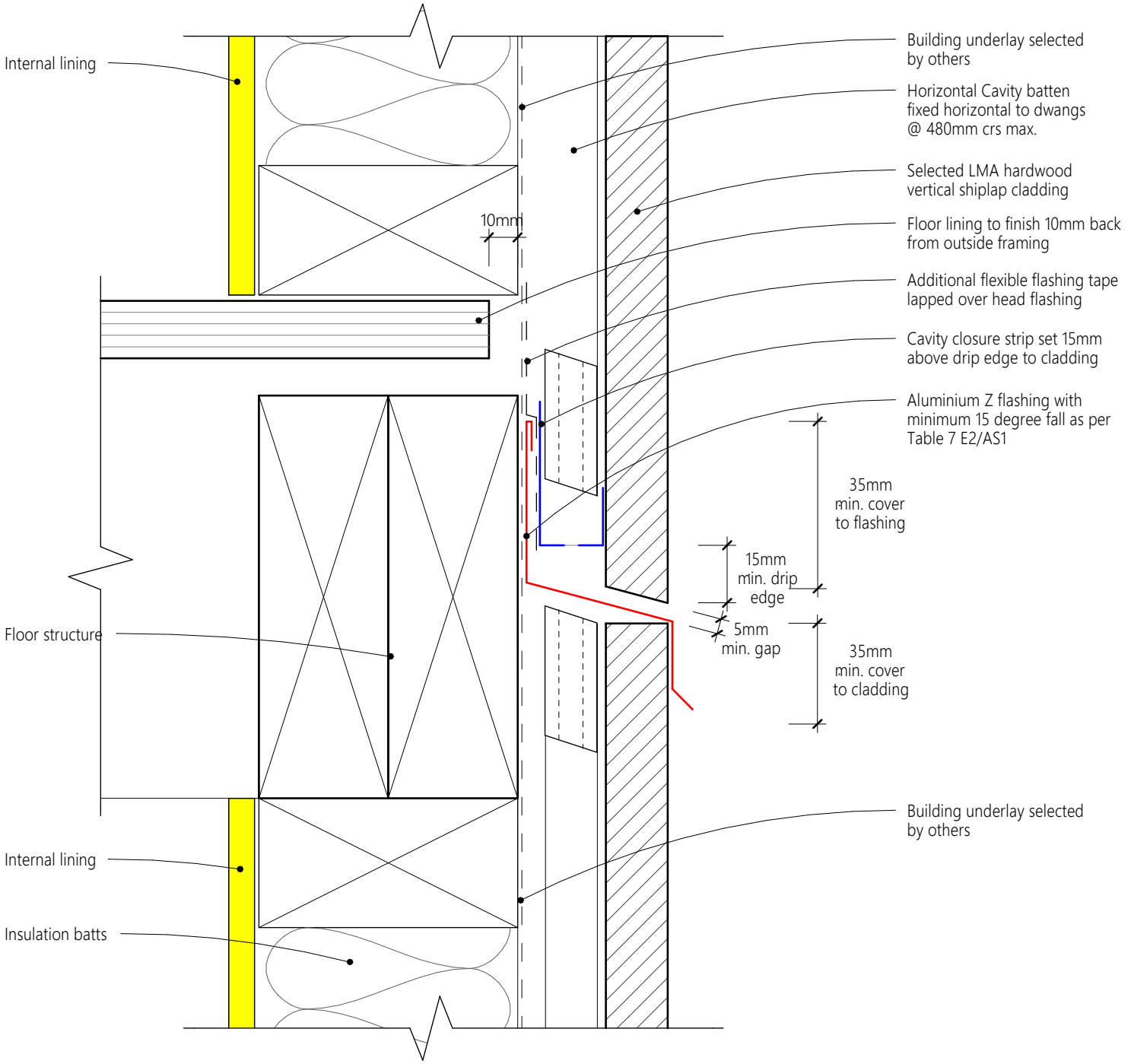
A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Vertical cavity at enclosed deck
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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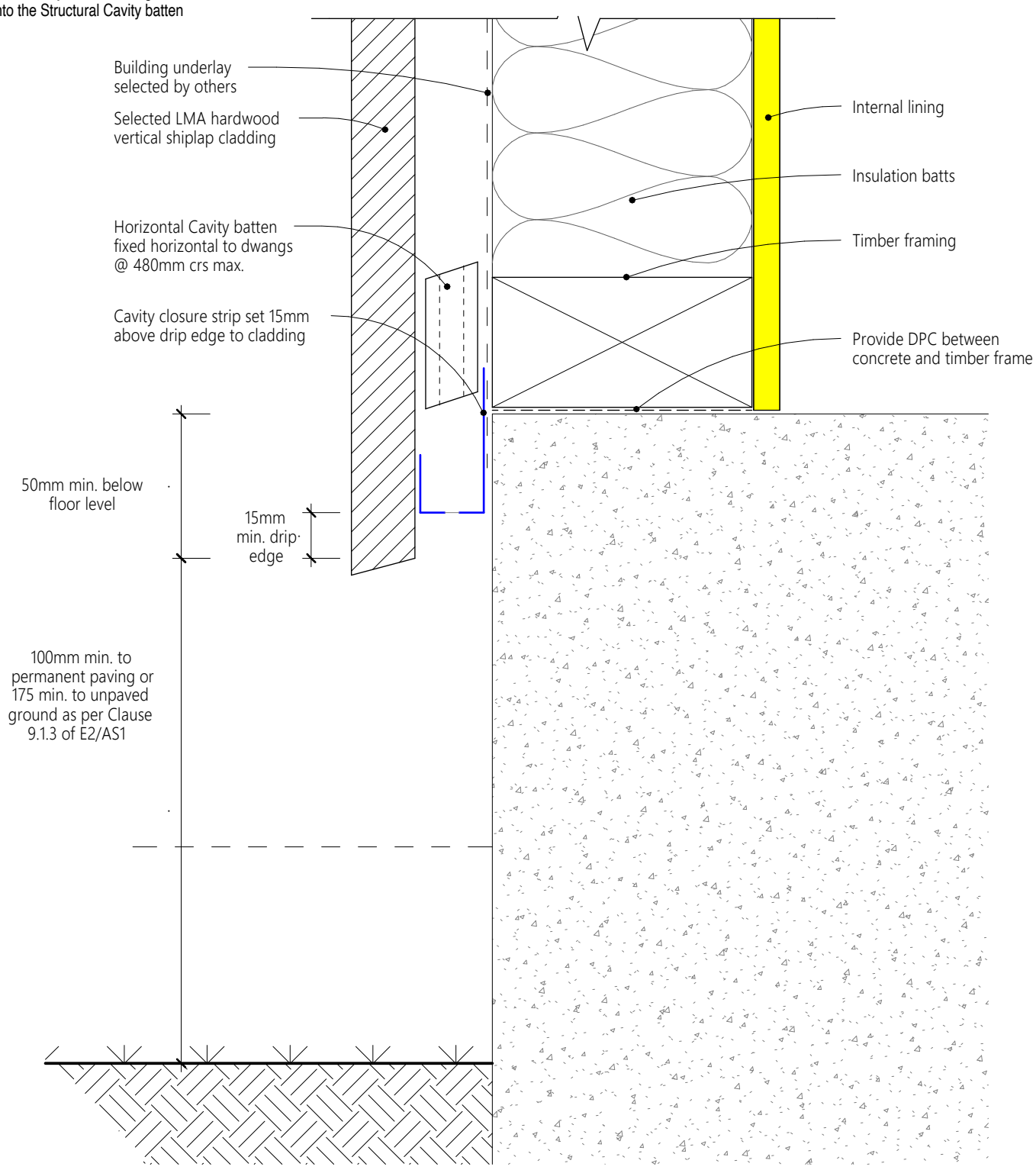
A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Drained Inter-Storey Joint
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



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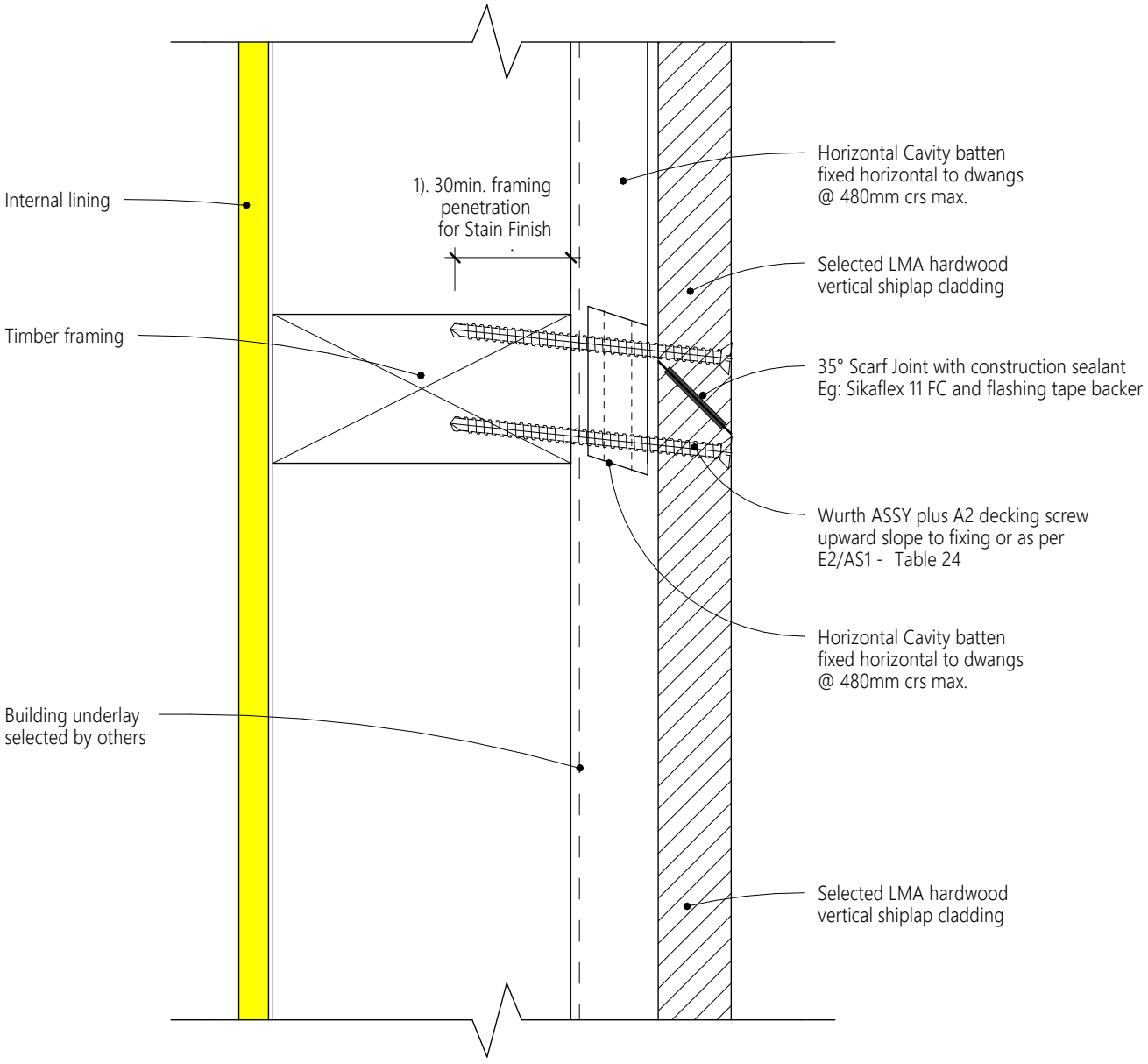
• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Base of Wall_Concrete
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



NOTE:
Cut ends of scarf join must be double coated with oil or stain.

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W: www.lmatimber.co.nz
A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Scarf Join Stain Finish
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
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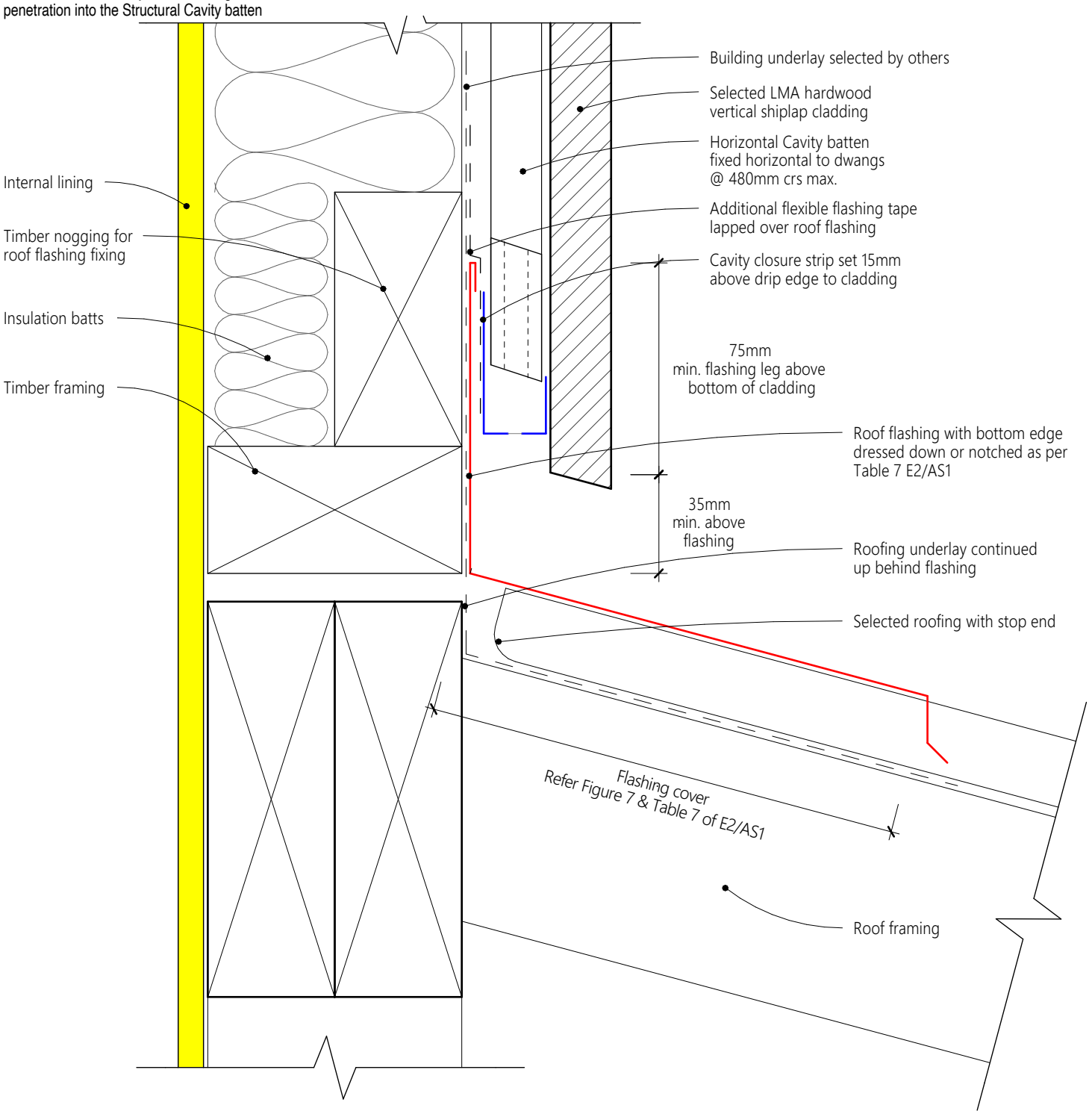

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A: 281 Dyers Road, Bromley, 8062

• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Roof/Wall Junction apron flashing detail
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
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5. Flashing as per Clause 4.0 E2/AS1
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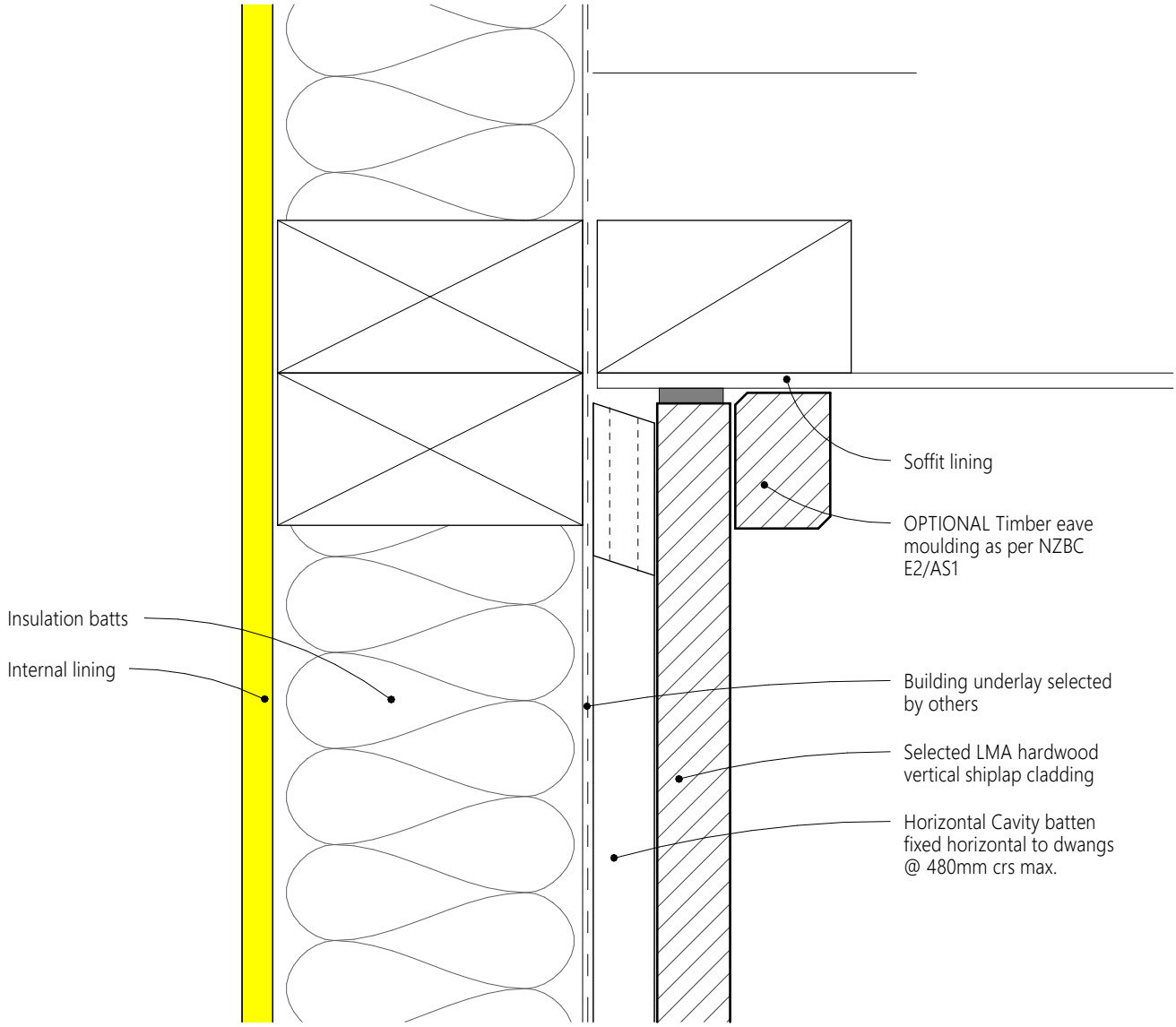
7. The weatherboard system relies on the joinery meeting the requirements of NZS 4211 for the relevant building wind zone or wind pressure
8. For Structural Cavity battens, fixings must have a minimum of 30mm screw penetration into the Structural Cavity batten



Contact Details

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Soffit Detail_Overhang
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
3. Fixings as per Table 24 E2/AS1
4. Compatibility of materials as per Tables 20-22 E2/AS1
5. Flashing as per Clause 4.0 E2/AS1
6. Rigid and flexible underlay as per Table 23 and Clauses 9.1.5 to 9.1.7 E2/AS1 or proprietary approved alternative
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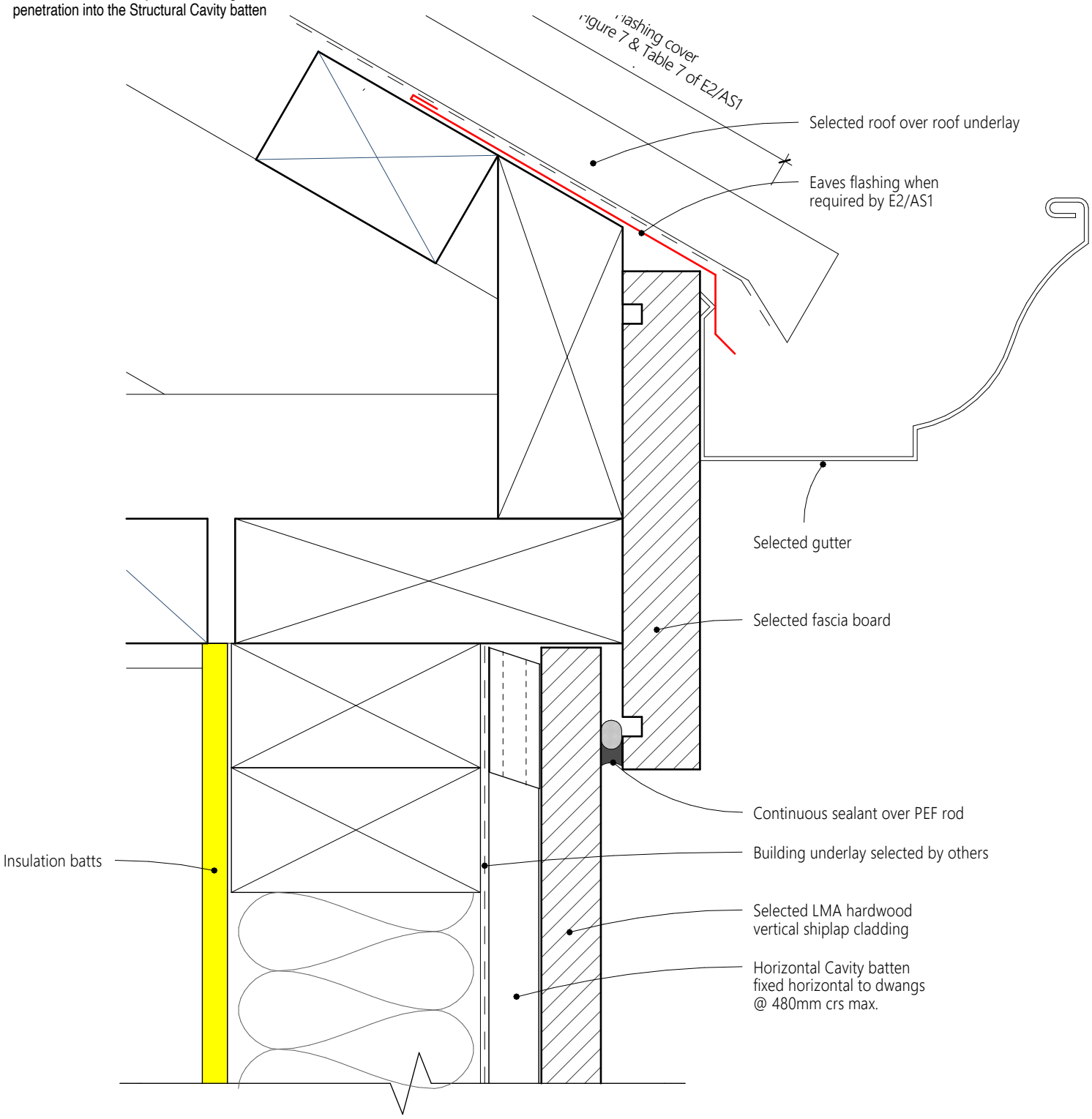

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Eaves Detail_No Overhang
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
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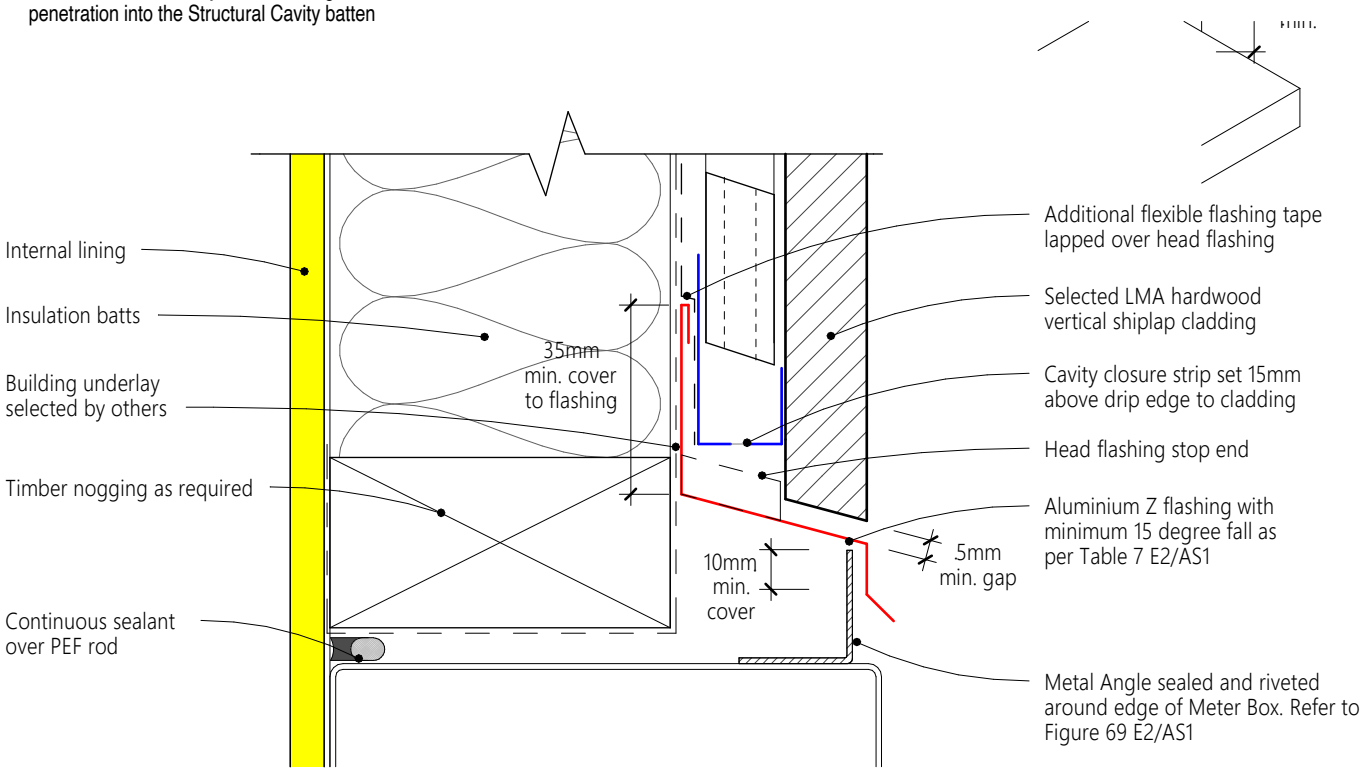
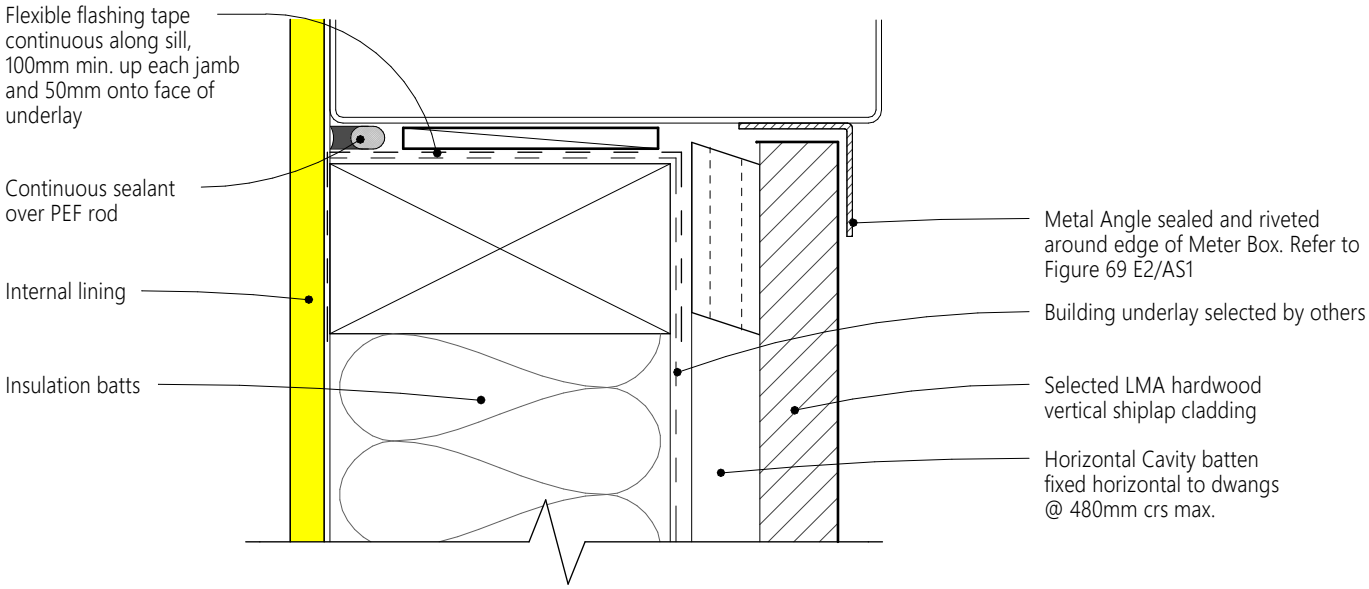


Meter box



NOTE:
Jamb detail similar to sill

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	Meter Box Detail
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
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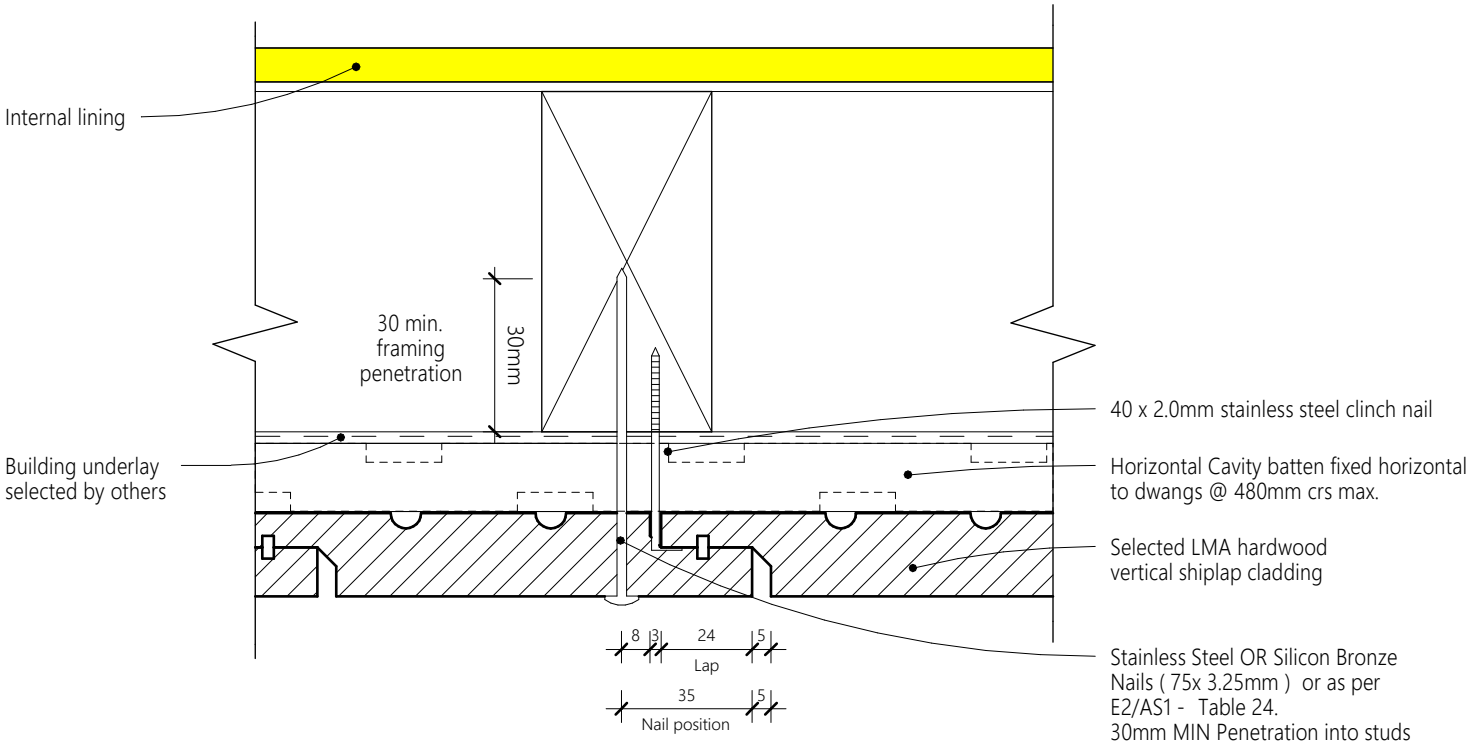

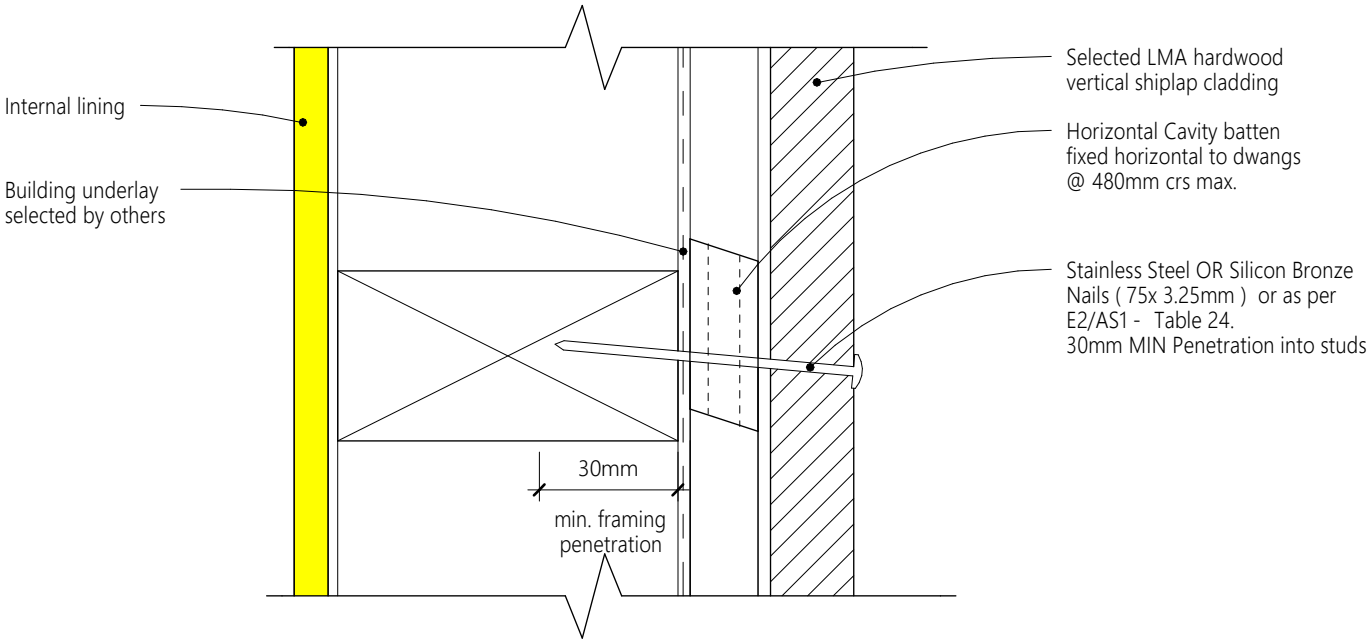

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	General Nail fixing detail_Stain finish
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
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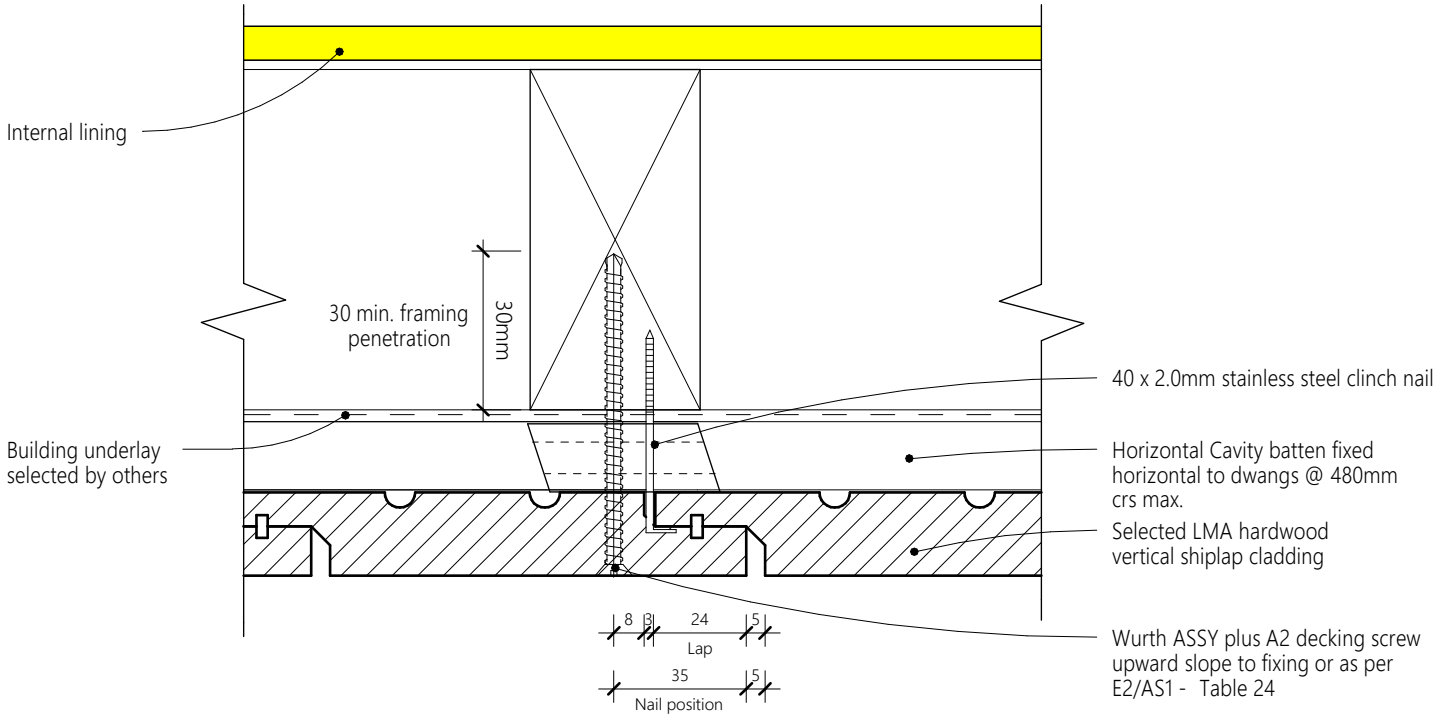

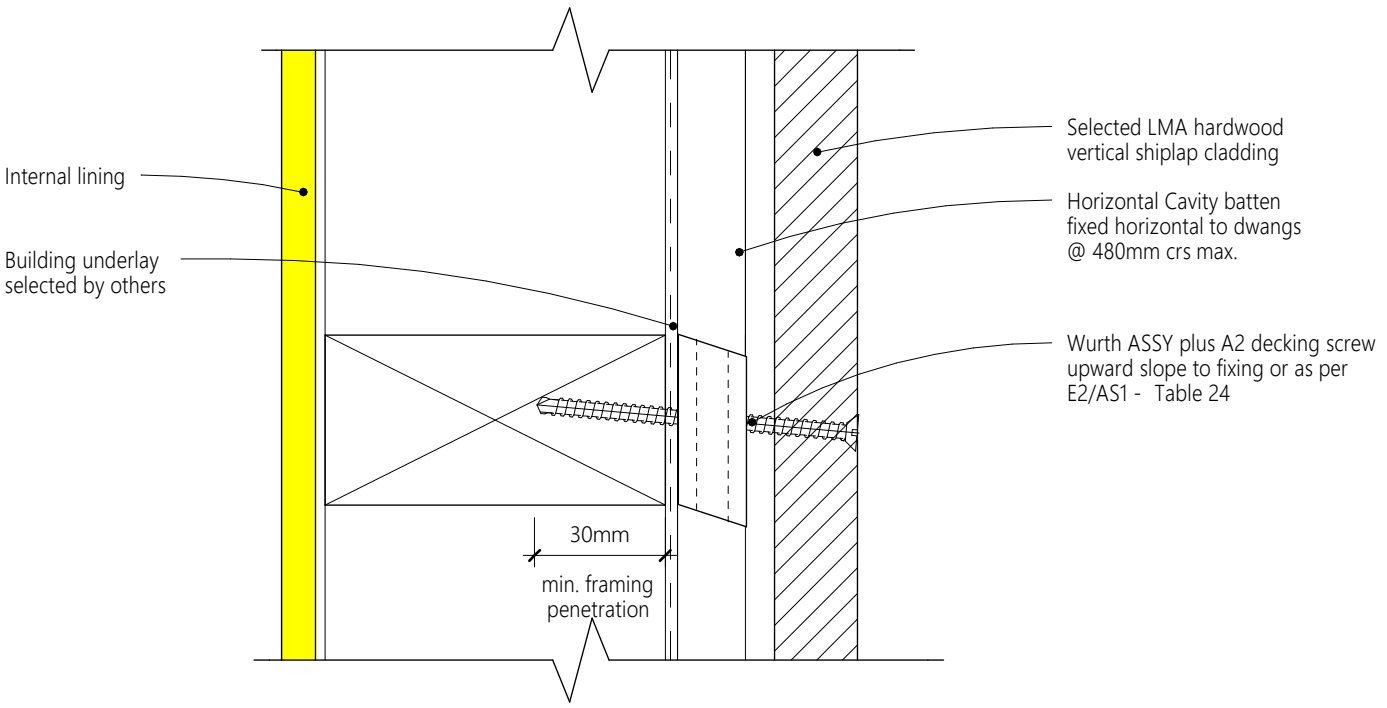

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• TITLE:	LMA Vertical Shiplap Hardwood Cladding
• DRAWING:	General Screw fixing detail_Paint fnish
• SCALE: 1 : 2@ A4	• DATE:09/06/2021

1. Scope as per Clauses 1.0 and 9.4 E2/AS1
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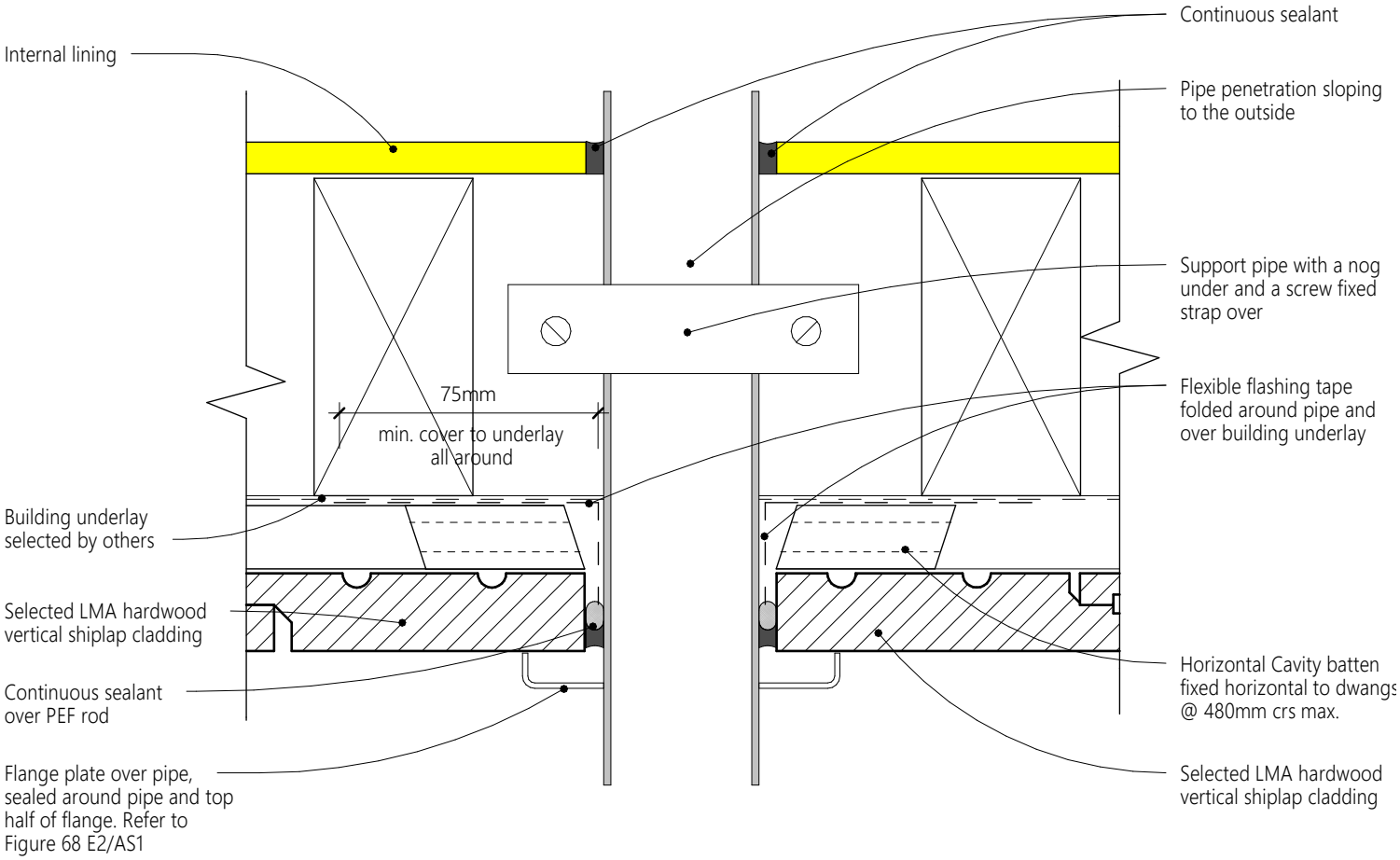

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• TITLE: LMA Vertical Shiplap Hardwood Cladding

• DRAWING: Pipe Penetration Plan Detail

• SCALE: 1 : 2@ A4

• DATE:09/06/2021

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2. LMAV001 Profile weatherboard directly matches the NZS3617 profile Fig 5 except for the thickness that is increased from 19mm to 22mm and width increased to 139mm from 135mm. This variation is comparable to the standard profile except for the increased width and thickness, as this is proposed for increased stability with these hardwoods.
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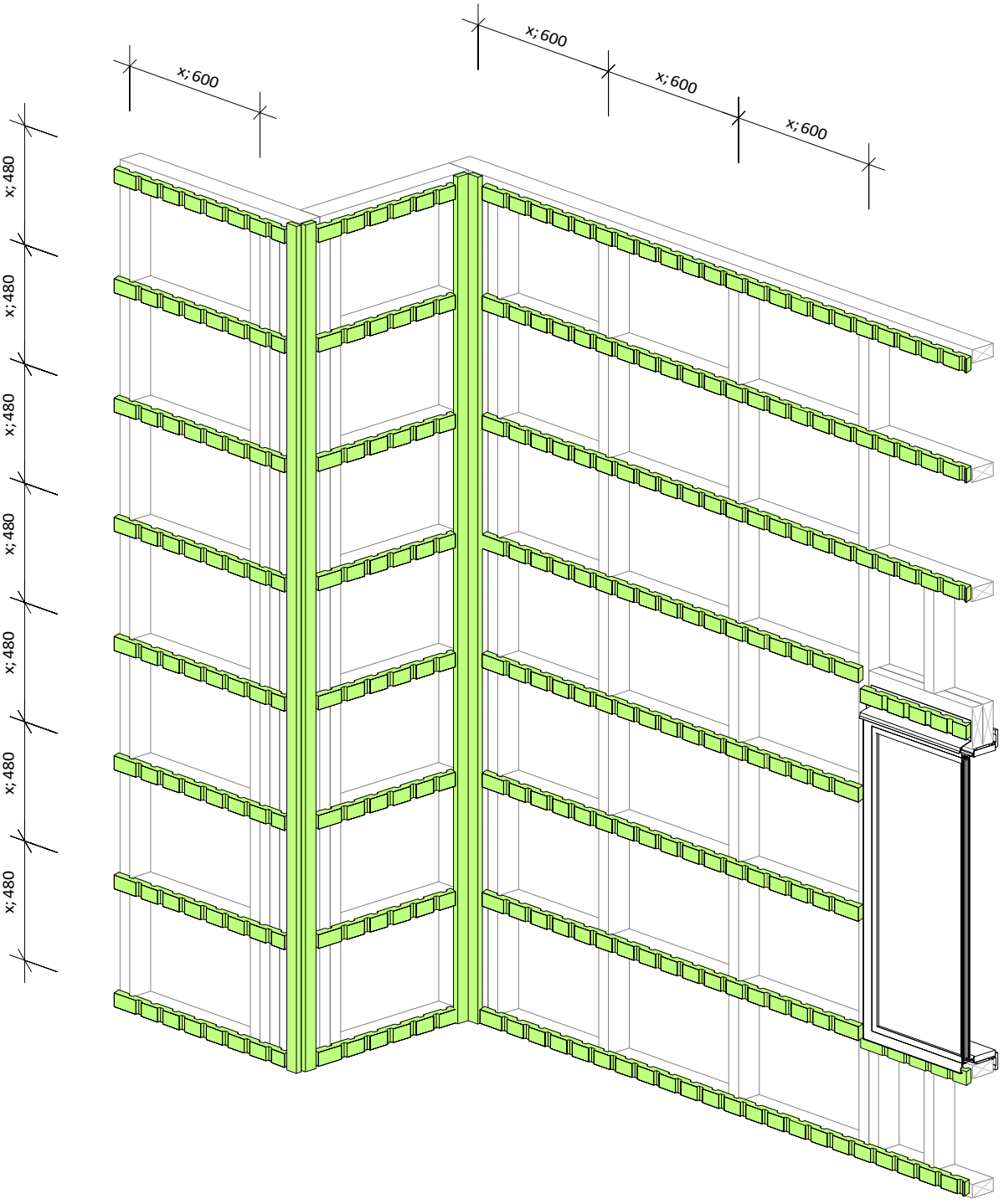

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sustainable · architectural

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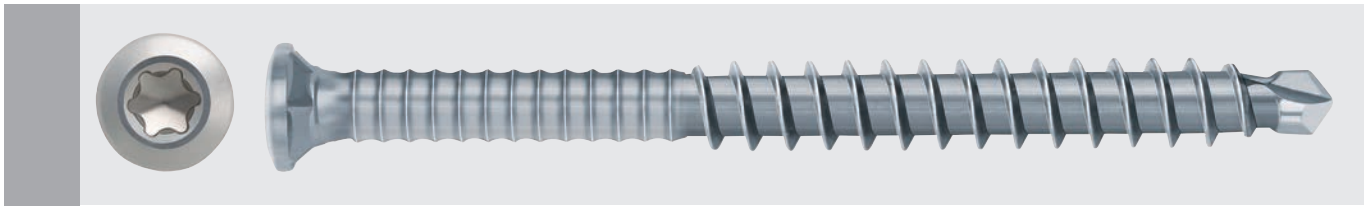
• TITLE: LMA Vertical Shiplap Hardwood Cladding

• DRAWING: **Battens Set Out**

• SCALE: 1 : 5@ A4

• DATE:09/06/2021

ASSY® PLUS A2 Decking Screw



Pre-drilling is recommended for hardwoods*.
Material: A2/304

Small countersunk head with under-head pockets.
- The head can be sunk very easily and cleanly with a small diameter.
- The under-head pockets pick up protruding chips.
- However, with tropical hardwoods, countersinking of the surface is recommended, as the wood has very short chips.

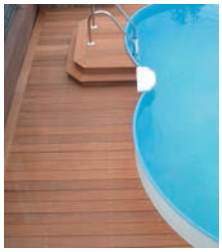
Grooved shaft.
- Provides for additional screw strength as austenitic stainless steel (A2) cannot be hardened. This virtually eliminates the possibility of the screw tearing off.

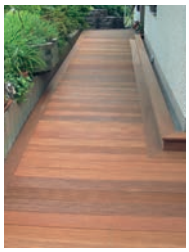
Drilling tip.
- Splitting and tearing of the wood is prevented.

AW drive.

- Excellent snug fit of the bit in the screw drive, which allows the screw to be set very easily.
- Wobbling impacts and sliding of the bit from the screw is prevented when screwing in.

* Screwing on of hardwood decking planks:
Preliminary tests are required for hardwoods. Pre-drilling of the wood may be necessary depending on the density and moisture level of the wood. It is recommended that the processing device be operated at a low speed.





The screw for fastening decking boards. Many types of wood can be processed without pre-drilling thanks to the drilling tip.

d mm	L mm	b mm	d_k mm	Drive	A2/304 Art. No.	P. Qty.
5.5	50	27	7.5	AW® 20	0166 115 550	250/1,000
	70	37			0166 115 570	250
	90	38	7.7		0166 115 590	100

ETA-11/0190

ASSY® PLUS Antique Decking Screw

For precise fastening of patio boards. Drill tip allows many types of wood to be processed without pre-drilling. The patio screws are made of A2 stainless steel and are colour-matched to the wood look. They are ideally suited for patio and façade construction outdoors.

d mm	L mm	(d_h)	Drive	A2/304 Art. No.	P. Qty.
5.5	60	7.7	AW® 20	0166 015 560	250
	70			0166 015 570	250

High Performance Pre-oiling Technology

Introducing the new Intergrain® Industrial Uni Timber Oil.

Uni Timber Oil is a high performance, oil-based timber finish designed for industrial applications. It can be applied to most timber types, and can be top coated on-site with most water-based or oil-based finishes.

Perfect for home-owners:

- Can be over-coated with most water-based or oil-based decking finishes – no compatibility issues for on-site application
- Deeply penetrating - dries quickly and doesn't feel greasy
- Light pigment offers protection from UV and looks great from day one.

Designed for professionals:

- Engineered for industrial coating machines, such as vacuum containers and Ceetec® machines
- Can also be brushed, rolled or sprayed
- Penetrates fast for easy wet stacking and wrapping
- Available in economical 200L drums.

Material Code: 702-W0353-200L

For more information on the entire Intergrain range, FREECALL 1800 630 285 or visit intergrain.com.au

Intergrain
TRADE & INDUSTRIAL

Next-generation Timber Coating Machine

ENQUIRE ABOUT AN ON-SITE DEMONSTRATION

The Ceetec IPT380 is now available in Australia

- Machine coating capacity of up to 180 lineal metres per minute
- Built-in touch screen, standard programs, with adjustable brushes and feed speed
- Uniform quality and four-sided coverage
- Easy and quick cleaning with optional automatic washing program

Ceetec timber coating machinery is proudly distributed in Australia and New Zealand by Intergrain® Timber Finishes. Intergrain is a registered trademark.

For more information on Ceetec equipment solutions, contact +61 466 421 400.

ceetec

Dulux DuSpec Datasheet

Intergrain

Intergrain Universal Timber Oil Matt

AU_DW02675

Description

Intergrain Universal Timber Oil is a high performance solvent based timber oil designed for industrial application. Universal Timber Oil can be applied to any timber type and can be top coated onsite with most water-based or solvent based oils or stains.

Features

- Lightly pigmented penetrating oil.
- Combustible, instead of flammable
- Formulated for industrial applications

Benefits

- Not classified as a Dangerous Goods.
- Can be wet stacked
- Top coat with solvent or water based on site

Uses

As a pre-coat or primer for all exterior timber

Performance Guide

Weather	Good	**Salt**	Unaffected by splash and spillage
Water	Good	**Abrasion**	Good

Typical Properties

Gloss Level	Matt	**Thinner**	White Spirit
Components	1	**Number Of Coats**	1
V.O.C. Level	<605 g/l		
Clean Up	**Other**: White Spirit To avoid spontaneous combustion of contaminated application cloths, soak application cloths in water or immediately spread used application cloths flat in a cool, well ventilated area to dry completely before disposal. Do not scrunch up or place cloths on top of each other		
Application Method	Brush Roller Pad **Other**: Vacuum Coater, Brushing Machine		

Application Conditions

	Min	Max	Recommended
Solids By Volume	24		
Wet Film Per Coat (microns)			
Dry Film Per Coat (microns)			
Recoat Time (min)			24 hours
Theoretical Spread Rate (m^2/L)			16

Typical Properties Notes

COVERAGE
Application rate is dependent on application method and porosity of the timber

DRYING TIME
Drying times are given at 25°C and 50% relative humidity. Lower temperatures or higher humidity can lead to extended drying times.

Application Guide

Surface Preparation	• Ensure substrate is clean, dry and free from dirt, dust, grease and grime.

Health And Safety

MSDS Number	DLXGHSEN003500	**Using Safety Precautions**	May cause an allergic skin reaction. May cause drowsiness or dizziness. Keep out of reach of children. Read label before use. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing dust, fume, gas, mist, vapours or spray.. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective clothing, gloves, eye/face protection and suitable respirator..
Health Effects	FIRST AID: If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766). If medical advice is needed, have product container or label at hand. SWALLOWED: If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice. EYE: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. SKIN: If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If irritation occurs seek medical advice. INHALED: Remove from contaminated area. Apply artificial respiration if not breathing. Seek medical advice.	**Flammability**	Combustible liquid.
Fire Suppression	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).	**Protective Equipment**	Wear protective clothing, gloves, eye/face protection and suitable respirator.
Storage	Keep out of reach of children.	**Disposal**	Refer to State/Territory Land Waste Management Authority for disposal
Other	Emergency Tel: Australia – 1800 033 111 New Zealand – 0800 734 607		

In the case of emergency, please call 1800 033 111

Transport And Storage

Pack A	702W0353
Size 200	**Weight** 180
Flash Point	>60C