

INNOVA

by etex

April 2026

Cavity Solutions

Duragroove® & Durascape®

Technical Supplement
Australia



Disclaimer

Innova products and systems designed by Etex Australia Pty Ltd are produced in accordance with the Building Code of Australia and relevant Australian Standards at the time of publication. Information in this document is to be used as a guide and is subject to project approval as many aspects of construction are not comprehensively covered. It is the responsibility of the designer to confirm Innova products and systems are suitable and meet the requirements for the intended application.

Etex Australia Pty Ltd will not be held responsible for any claims resulting from installation not in accordance with the manufacturer's technical literature or relevant Standards.

Innova regularly updates technical literature; to ensure this document is current with the latest information, visit innovafibreceement.com.au.

Warranty

Duragroove® & Durascape® is warranted for a period of 25 years.

Visit innovafibreceement.com.au for the latest warranty information.

About Innova

Innova is a commercial brand of Etex, a global building material manufacturer and pioneer in lightweight construction. Etex wants to inspire people around the world to build living spaces that are ever more safe, sustainable, smart, and beautiful. Founded in 1905 in Belgium, Etex are a family-owned company with more than 13,500 employees across 160 sites and 45 countries.

Innova are the fibre cement specialists, and distribute external cladding systems, interior lining and flooring substrate products specifically designed for the residential and commercial markets in Australia and New Zealand

With a deep understanding of the local market needs, the Innova range of fibre cement products provide architects, designers, builders and homeowners with a range of traditional and contemporary solutions to create spaces that work for their project.

Innova are constantly looking for ways to evolve and innovate their product offering, adapting to changes in the market.

Innova - built on change, backed by Etex.

1. Working Safely

1.1 Working Safely with Innova Fibre Cement

WARNING: P2 OR HIGHER-GRADE RESPIRATOR MUST BE WORN AND PRODUCT CUT OUTDOORS.

Innova fibre cement is manufactured from finely ground sand (silica), cellulose fibers, Portland cement and additives. In the product's manufactured state, it does not release airborne dust. Inhalation of Respirable Crystalline Silica (RCS) is hazardous and can cause damage to lungs, respiratory system, and cancer when users are exposed to dust over prolonged periods without adequate controls in place.

The risks associated with RCS inhalation arise during installation activities where mechanical methods are used for cutting, rebating, drilling, routing, crushing, sanding and cleaning up, disposing of, or relocating dust.

Before, during and after installation, it is important to be aware of activities that generate and lead to dust becoming airborne. Innova recommends following the Innova Working Safely Guidelines listed below in addition to site-specific safety procedures, Safe Work Australia guidelines and state or territory guidelines.



USERS ARE RESPONSIBLE FOR ADHERING TO GUIDELINES, RECOMMENDATIONS, SAFETY DATA SHEETS, INSTALLATION GUIDES, FEDERAL AND LOCAL REGULATIONS TO AVOID SERIOUS HEALTH IMPACTS.

Control the risks by utilising engineering controls (i.e. tools/equipment), administrative control (i.e. workspace/safe work method statement) and correct PPE (i.e. respirator/eye wear).

1.2 Innova Working Safely Guidelines

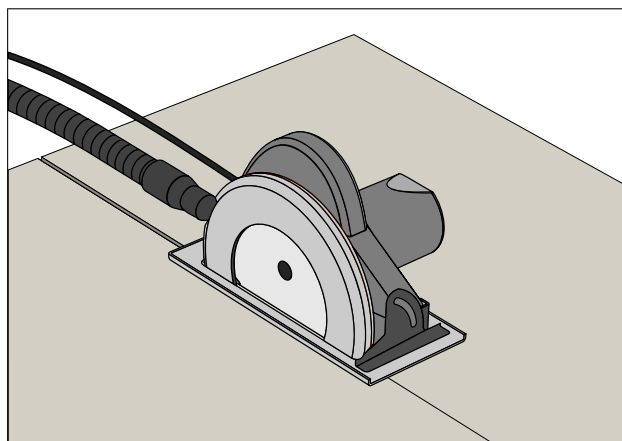
Documentation

Read the current Safety Data Sheet and Working Safely documents available at innovafibreceement.com.au

	ALWAYS wear a properly fitted P2 or higher-grade respirator when cutting, drilling, rebating, sanding.		ALWAYS use on-tool dust extraction when using power tools; M or H-Class vacuum fitted with a HEPA filter.
	ALWAYS alternate cutting activities with others to reduce exposure time.		ALWAYS follow the tool manufacturer's guidelines for correct and safe operation.
	AVOID using power tools to cut or shape fibre cement products indoors.		DO NOT dry sweep. Use wet suppression then sweep or H or M-Class vacuum.
	NEVER use a saw blade that is not designed to cut fibre cement.		DO NOT continue activities if you are concerned about exposure levels or cannot comply with the above guidelines.

Power Saw

Circular, compound mitre and track saws with dust extraction provide accurate and clean cuts. Ensure saw is fitted with a PCD 4 or 6 tooth fibre cement blade. Always follow the manufacturers guidelines for safe operation.



2. Product Information

2.1 Using this Supplement

This technical supplement is to be read in conjunction with the *Duragroove® & Durascape® Design and Installation Guide – June 2025*. It details the specific design considerations, installation requirements, and performance expectations for cavity battens and top hats integrated within Duragroove® & Durascape® systems.

The content herein is supplementary and is designed to enhance, not substitute, the instructions provided in the primary installation guide.

2.2 Fire Resistance

Boundary Walls

Duragroove® & Durascape®, in conjunction with Siniat external wall systems, are suitable for use on external walls with an FRL requirement of 60/60/60 and 90/90/90 on timber and steel framed walls.

Bushfire Applications

Duragroove® & Durascape® may be used as an external wall cladding to achieve up to BAL-40 when installed in accordance with this guide.

When Duragroove® & Durascape® is installed in conjunction with Siniat external wall systems achieving an FRL of 30/30/30, the requirements of AS 3959 and AS 1530.4 for BAL-FZ rating is met.

For further guidance on boundary wall and bushfire applications, refer to Siniat Blueprint, Section 4.1 - External Steel Stud Walls and 4.3 - External Timber Framed Walls at siniat.com.au/en-au/downloads.

2.3 Energy Efficiency

Thermal Conductivity

Thermal heat transfer into and out of the building envelope will affect the running cost of the building. Careful consideration of thermal heat transfer needs to be considered by the designer.

At equilibrium moisture content, the approximate thermal conductivity of Duragroove® & Durascape® is 0.33W/mK.

Total R-Values (m²K/W) incorporate thermal bridging in accordance with AS/NZ 4859.1 Materials for the thermal insulation of buildings.

Insulation

Duragroove® & Durascape® will require insulation to be installed in some regions that have thermal loss regulations. Insulation should be installed in accordance with the manufacturer's instructions.

Table 1 Duragroove® & Durascape® Total R-Values

Frame Type	System	Added Insulation	Season	
			Summer	Winter
Timber	Direct Fix	R2.7, 90mm	2.38	2.49
	19mm timber batten		2.67	2.82
	35mm timber batten		2.70	2.85
	19 & 35mm metal top hat		2.67	2.83
Steel	Direct Fix	R0.2 + R2.7	1.99	2.06
	19mm timber batten	R2.7, 90mm	1.91	2.00
	35mm timber batten		1.93	2.06
	19 & 35mm metal top hat		1.92	2.04

2.4 Weather Resistance

Duragroove® & Durascape® conforms to the NCC (Vol 1, Part H2 Damp and weatherproofing and Vol 2, Part F3 Roof and wall cladding) for exterior wall applications verified to AS/NZS 4284 Testing of Building Facades.

2.5 Weather Barrier

Wall Wrap

To weatherproof external walls, select a wall wrap compliant with AS 4200.1 and tailored to the NCC's eight climate zones: high vapour permeable wraps (Class 3 or 4) for humid, high-rainfall zones (1–2, e.g., Darwin, Brisbane); low vapor-permeable wraps (Class 1 or 2) for drier, temperate zones (5–7, e.g. Sydney, Melbourne); and high water resistant wraps for alpine Zone 8 (e.g. Thredbo). Install to AS 4200.2 including taping of all joins, edges and penetrations, and the manufacturer's guidelines.

Table 2 Wall Wrap Classification and Climate

Climate Zone	Vapour Control Category
1	Vapour Barrier (Class 1 or 2)
2-8	Vapour Permeable (Class 3 or 4)

Rigid Air Barrier

For higher wind pressures, Durabarrier® is a 6mm thick vapour permeable rigid air barrier, capable of withstanding high wind pressures – refer to Durabarrier® Design & Installation Guide for more information.



Figure 1 Climate Zone Map

2.6 Construction Options

Duragroove® & Durascape® can be installed using either a direct fix system or a drained cavity system, depending on design requirements, climate zone, frame type and regulatory compliance. Both options require correct detailing to manage moisture and maintain thermal performance.

Direct fix construction key requirements:

- Frame must be straight, plumb, and NCC compliant.
- Install wall wrap compliant to AS 4200.1.
- Tape all joins, edges, and penetrations to AS 4200.2.

A cavity system improves moisture management and thermal performance by allowing water to drain and promoting airflow to reduce condensation.

Cavity construction key requirements:

- Minimum cavity depth: 19mm
- Wall wrap must comply with AS 4200.1 and act as a drainage plane and air barrier.
- Install to AS 4200.2 and manufacturer guidelines.
- Tape all joins, edges, and penetrations.
- Maintain unobstructed drainage holes and ventilation openings.

2.7 Cavity Batten Layout

Overview

Duragroove® & Durascape® can be fixed to non-structural or structural cavity battens. All cavity battens shall be installed vertically and as detailed in Tables 3-6.

Metal top hats shall be fixed off-stud.

Where Durabarrier® is used, batten and top hat fastener lengths must be increased by at least 6mm.

Refer to Tables 3-6 for detailed information on fastener spacing requirements.

Layout

At the base of the battens, an Innova 19mm or 35mm PVC cavity closer is installed to facilitate airflow, drainage and vermin protection.

Depending on the design and wind load, Duragroove® & Durascape® is attached either through the 19mm batten to the structural frame or fixed directly to the structural batten or top hat - refer to Tables 2-5.

Cavity battens must be discontinuous across horizontal construction joints.

Corners, joints, junctions, and penetrations such as window and door openings, require specific treatments with typical details outlined in this guide.

Where additional support is needed for flashings or similar components, a short spacer batten can be used. Install with a minimum 5° slope from the horizontal to ensure adequate moisture drainage.

2.8 Ground Clearances

Duragroove® & Durascape® must be installed so that it meets the requirements of NCC Housing Provisions Standard, Part 7.5.7. Duragroove® & Durascape® must not come into contact with standing water.

2.9 Termite Protection

NCC Vol. 2, Table 3.4.2 prescribes acceptable termite management systems and components for termite barriers. Where the exposed slab edge is used as part of the termite management system, a minimum of 75mm of the exposed slab edge must be visible to allow early detection of termite entry.

2.10 Fasteners

Fasteners must have the appropriate level of durability and be compatible with all other materials required for the intended project. Contact the fastener manufacturer for further information.

All fasteners used externally shall be minimum Class 3.

The durability of galvanised nails and screws used for exterior cladding in coastal or similar corrosive environments can be as low as 10 years.

For this reason Innova recommends the use of Stainless Steel or Class 4 fasteners within 2km of the coast or other large expanses of salt water.

Countersinking refers to screw fixing only. Nails shall be driven flush with the surface, except for brad and bullet head nails which shall be driven a maximum 1mm below the surface and finished appropriately.

Screw countersinking depth for Duragroove® & Durascape® - maximum 1mm below the surface.

Countersunk screws should be filled with an appropriate filler and sanded smooth. Patch priming and sanding may be required prior to finishing and must be carried out in accordance with coating manufacturer's specifications.

When using screws to fasten fibre cement, use a cordless drill driver with torque settings only.

Fasteners must not be under, or overdriven.

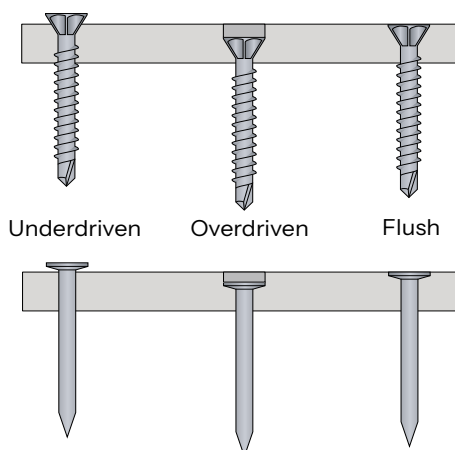


Figure 2 Fastener Positioning

2.11 Joining

Duragroove® & Durascape® shiplap joins should be fully supported on a single batten or top hat.

2.12 Structural Design

Frame, Batten and Fastener Requirements

- Timber battens (19mm & 35mm) must be installed vertically on or off studs (wind load dependent) at maximum 600mm centres and be structurally secured to the primary frame.
- Metal top hats must be installed vertically at maximum 600mm centres and fixed off-stud.

Duragroove® & Durascape® Fastener Requirements

- Nails must be driven no closer than 18mm from the shiplap join.
- Screws must be driven no closer than 22mm from the shiplap join.
- Brad nails must be used in conjunction with a continuous 6mm bead of sealant adhesive.

2.12 Structural Design

The construction details in Section 4 show a typical configuration using 19mm timber Durabatten with brad nails for timber framed walls. The five figures below show alternative fixing configurations for timber battens or metal top hats and fasteners on timber or steel frames. Apply the principles of structural fixity and weathertightness demonstrated below to all details in Section 4 of this document.

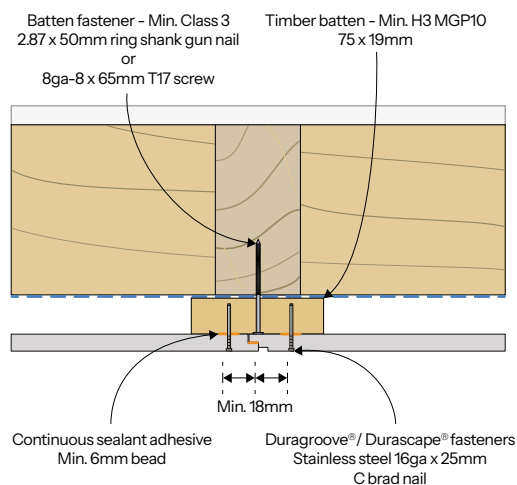


Figure 3 Timber frame - cavity fix (19mm) fastener detail Plan

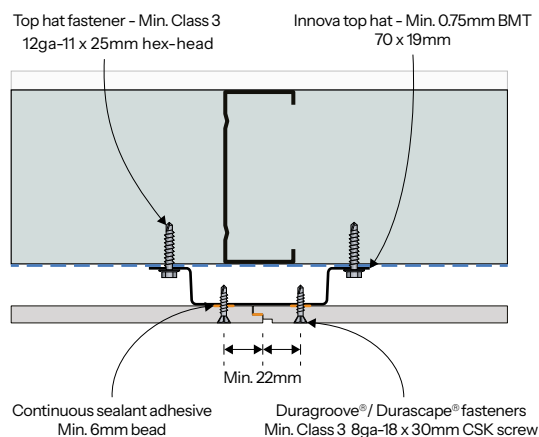


Figure 6 Steel frame - cavity fix (19mm) fastener detail Plan

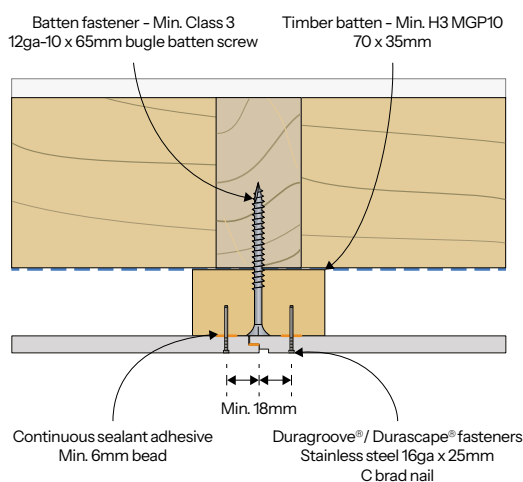


Figure 4 Timber frame - cavity fix (35mm) fastener detail Plan

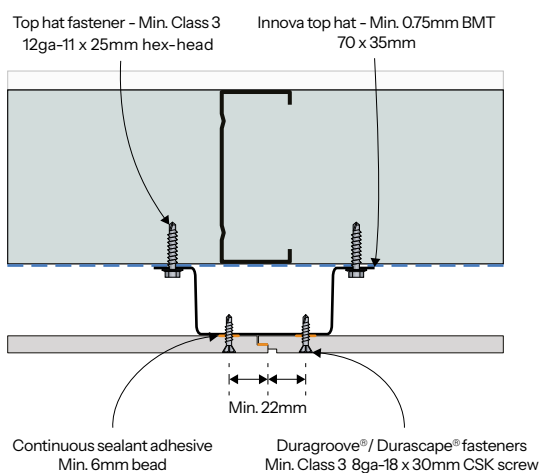


Figure 7 Steel frame - cavity fix (35mm) fastener detail Plan

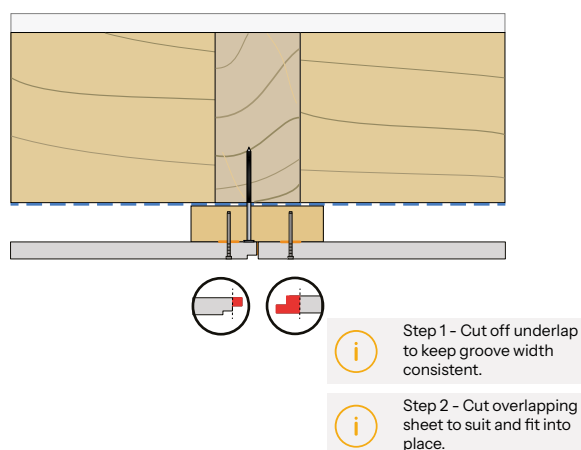


Figure 5 Vertical butt joint detail Plan

2.12 Structural Design

Table 3 75x19mm F17 Timber Durabatten

Wind Classification AS4055	Max. Design Ultimate Limit State Wind pressure AS/NZS 1170.2 (kPa)		Timber Durabatten fasteners		Maximum span 75x19 Timber Durabatten (mm)	Within 1200mm of corners (mm)		General Areas of Walls (mm)		Duragroove® & Durascape® fasteners
	Within 1200mm of corners	General wall area	Timber Frame - AS 1684 or AS 1720.1	Steel Frame - NASH Standard		Timber Durabatten spacing	Fastener spacing	Timber Durabatten spacing	Fastener spacing	
N1w	-0.91	-0.45, +0.48	2 x Class 3 2.8x50mm ring shank nail	2 x Class 3 10ga-18x30mm CS screw	800	600	200	600	200	Stainless steel 16ga x 25mm C brad nails and adhesive
N2w	-1.25	-0.62, +0.67								
N3w	-1.95	-0.98, +1.05				450				

Notes:

1. Weatherproofing in N1, N2, N3; use AS/NZS 4200.1 vapour permeable wall wrap or Durabarrier® rigid air barrier system.
2. All sheet vertical edges must be supported on 75x19mm Timber Durabatten - no batten substitutions permitted.
3. Durabatten max. 800mm span fixed to timber framing with 2x 2.87 x 50mm D-head ring-shank nails or steel framing with x 10ga-18 x 30mm elf drilling CSK screws at each location.
4. Continuous 6-8mm bead of adhesive between Durabatten and Duragroove® or Durascape®.
5. 16g x 25mm C-Brads shall be minimum 15mm from sheet edges and 50mm from sheet corners.
6. Durabatten fixing lengths shall be increased by 6mm when used in conjunction with Durabarrier® rigid air barrier system.
7. For the purposes of AS 4055 Wind Classifications only the external pressure coefficients are assumed to contribute to wind loads (internal wind pressures are assumed to be resisted by the internal lining or rigid air barrier).

Table 4 70x35mm MGP10, H3 Timber Batten

Wind Classification AS4055 ⁽¹⁾	Max. Design Ultimate Limit State Wind pressure AS/NZS 1170.2 (kPa)		Maximum off-stud span 70x35 MGP10, H3 Timber Batten (mm)	Within 1200mm of corners (mm)		General areas of walls (mm)		Duragroove® & Durascape® fasteners
	Within 1200mm of corners	General wall area		Batten spacing ^{(7),(8)}	Fastener spacing	Batten spacing ^{(7),(8)}	Fastener spacing	
N1w	0	-0.45, +0.48	860	600		600		Stainless Steel 16ga x 25mm C Brad Nails and adhesive or 2.8x40mm fibre cement nail or 8ga-18x40mm CSK screw
N2w	-1.25	-0.62, +0.67	960	400	200	400	200	
N3w	-1.95	-0.98, +1.05	570					
N4w	-2.9	-1.45, +1.56		450		600		Class 3 2.8x40mm fibre cement nail or 8ga-18x40mm CSK screw
N5w	-4.27	-2.14, +2.30		450 (Timber) 300 (Steel)	150		180	
N6w	-5.77	-2.89, +3.10		300			135	
C1w	-1.95	-0.98, +1.05	Battens on stud only	450	200	450	200	Class 3 40mm flat head nail or 10ga-8x45mm CSK screw
C2w	-2.9	-1.45, +1.56						
C3w	-4.27	-2.14, +2.30		300	150		180	
C4w	-5.77	-2.89, +3.11					135	

Notes:

1. For Weatherproofing in N1, N2, N3, N4, C1, C2 use either AS/NZS 4200.1 vapour permeable moisture barrier; or Durabarrier® rigid air barrier system.
2. For Weatherproofing in N5, N6, C3, C4 use Durabarrier® Rigid Air Barrier System or Solitex Extasana System.
3. All vertical sheet edges must be supported on timber battens.
4. C brad fixings must include a continuous 6-8mm bead of adhesive between the timber batten and Duragroove® or Durascape®.
5. Fixings shall be minimum 15mm from sheet edges & 50mm from sheet corners.
6. Off-stud batten shall be fixed to timber framing with 12G x 65mm hex head Type 17 bugle batten at each location, or shall be fixed to steel framing with min Class 3 2x 10g-18 x 30mm CSK screws at each location.
7. On-stud timber battens shall be fixed to timber studs at same spacing as studs with 12G x 65mm hex head Type 17 bugle battens.
8. On-stud timber battens shall be fixed to steel studs at same spacing as studs with 10G-18 x 50mm self drilling CSK screws.
9. All fixing lengths shall be increased by 6mm when used in conjunction with Durabarrier® rigid air barrier system.
10. Steel framing shall be min. 0.55mm BMT G550 for N1 to N3; min. 0.75mm BMT G550 for N4-N6 & C1-C4.
11. For the purposes of AS 4055 Wind Classifications only the external pressure coefficients are assumed to contribute to wind loads (internal wind pressures are assumed to be resisted by the internal lining or rigid air barrier).
12. Screw fixings to timber batten shall be pre-drilled and countersunk with countersinking tool.

2.12 Structural Design

Table 5 70x19x0.75mm BMT, G300 Innova top hat

Wind Classification AS 4055 ⁽¹²⁾	Max. Design Ultimate Limit State (ULS) Wind pressure AS/NZS 1170.2 (kPa)		Maximum off-stud span 70x19x0.75 Innova top hat(mm)	Within 1200mm of corners (mm)		General areas of walls (mm)	
	Within 1200mm of corners	General wall area		Top hat spacing	Fastener spacing	Top hat spacing	Fastener spacing
N1w	0	-0.45, +0.48	900	600	200	600	200
N2w	-1.25	-0.62, +0.67					
N3w	-1.95	-0.98, +1.05	850	450	190	450	150
N4w	-2.9	-1.45, +1.56	750				
N5w	-4.27	-2.14, +2.30	650	300	100	300	150
N6w	-5.77	-2.89, +3.11					

Notes:

- For Weatherproofing in N1, N2, N3, N4, C1, C2, use either vapour permeable moisture barrier conforming with AS 4200.1 or Durabarrier® Rigid Air Barrier System.
- For Weatherproofing in N5, N6, use Durabarrier® Rigid Air Barrier System. For soft air barrier solutions contact Innova.
- All fixing lengths shall be increased by 6mm when used in conjunction with Durabarrier Rigid Air Barrier System.
- All supporting structure must be designed as structural framing to resist out-of-plane wind pressures.
- Cladding fixings into battens shall be, 8g-18x30mm CSK, min. 15mm from sheet edges & 50mm from sheet corners.
- All cladding fixings shall be pre-drilled and countersunk with the countersinking tool.
- It is the project engineer's responsibility to specify the connection of top-hats to the supporting structure.
- Steel Framing for N1-N3 shall be min. 0.75mm BMT G550, with batten fixings 10g-16 x 25mm Hex Head Tekes, 2 fasteners per fixing location.
- Steel Framing for N4-N6 shall be min. 1.0mm BMT G550, with batten fixings 12g-14 x 25mm Hex Head Tekes, 2 fasteners per fixing location.
- In N1 to N4 top hats may be supported on 2 framing members (single-span).
- In N5 to N6 top hats shall be supported on a minimum of 3 framing members (double-span).
- For the purposes of AS4055 Wind Classifications only the external pressure coefficients are assumed to contribute to wind loads (internal wind pressures are assumed to be resisted by the internal lining or rigid air barrier).

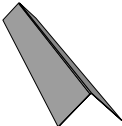
Table 6 70x35x0.75mm BMT, G300 Innova top hat

Wind Classification AS 4055 ⁽¹²⁾	Max. Design Ultimate Limit State (ULS) Wind pressure AS/NZS 1170.2 (kPa)		Maximum off-stud span 70x35x0.75 Innova top hat(mm)	Within 1200mm of corners (mm)		General areas of walls (mm)	
	Within 1200mm of corners	General wall area		Top hat spacing	Fastener spacing	Top hat spacing	Fastener spacing
N1w	0	-0.45, +0.48	900	600	200	600	200
N2w	-1.25	-0.62, +0.67					
N3w	-1.95	-0.98, +1.05	850	450	140	450	165
N4w	-2.9	-1.45, +1.56					
N5w	-4.27	-2.14, +2.30	650	300	100	300	150
N6w	-5.77	-2.89, +3.10	650				
C1w	-1.95	-0.98, +1.05	900	300	150	300	200
C2w	-2.9	-1.45, +1.56					
C3w	-4.27	-2.14, +2.30	900	300	100	300	200
C4w	-5.77	-2.89, +3.11					

Notes:

- For Weatherproofing in N1, N2, N3, N4, C1, C2, use either vapour permeable moisture barrier conforming with AS 4200.1 or Durabarrier® Rigid Air Barrier System.
- For Weatherproofing in N5, N6, C3, C4 use Durabarrier® Rigid Air Barrier System. For soft air barrier solutions contact Innova.
- Top hat fixing lengths shall be increased by 6mm when used in conjunction with Durabarrier® Rigid Air Barrier System.
- All supporting structure must be designed as structural framing to resist out-of-plane wind pressures.
- Cladding fixings into battens shall be, 8g-18x30mm CSK, min. 15mm from sheet edges & 50mm from sheet corners/
- It is the project engineer's responsibility to specify the connection of top-hats to the supporting structure.
- Steel Framing for N1-N3 shall be min. 0.75mm BMT G550, with batten fixings 10g-16 x 25mm Hex Head Tekes, 2 fasteners per fixing location.
- Steel Framing for N4-N6 & C1-C4 shall be min. 1.0mm BMT G550, with batten fixings 12g-14 x 25mm Hex Head Tekes, 2 fasteners per fixing location.
- In N1 to N4 top hats may be supported on 2 framing members (single-span)/
- In N5 to C4 top hats shall be supported on a minimum of 3 framing members (double-span).
- For the purposes of AS 4055 Wind Classifications only the external pressure coefficients are assumed to contribute to wind loads (internal wind pressures are assumed to be resisted by the internal lining or rigid air barrier).

3. Accessories Supplied by Innova

Product	Description	Size	Product Code
	Timber Durabatten H5 treated ply	19 x 75 x 2700mm	4092848
	Cladding Top Hat 0.75BMT top hat	19 x 70 x 3000mm	311584
		35 x 70 x 3000mm	311655
	uPVC Cavity Closer	19 x 2700mm	4092846
		35 x 3000mm	4094331
	Aluminium internal corner	12 x 3000mm	4092821
	Aluminium external corner	12 x 3000mm	4092817
	Aluminium external snap on corner PART B	3600mm	4092918
	Aluminium external snap on corner PART C	3600mm	4092919
	Aluminium horizontal 'H' flashing	3000mm	4092820
	External corner flashing	60 x 60 x 3000mm	311580
	Internal corner flashing	60 x 60 x 3000mm	311579
	Effects® base trim	3950mm	4094245
	Effects® straight joiner	57mm	4094246
	Effects® external corner	50 x 50mm	4094247
	Effects® internal corner	50 x 50mm	4094248
	Sikaflex® 11FC+ sealant adhesive	300g	4094941

3. Accessories by Others

Product	Description	Min. size
Duragroove® & Durascape® to 35mm timber batten		
	Fibre cement nail	2.8 x 40mm
	16ga C brad nail	16ga x 25mm
	Type 17 (T17) screw	8ga-9 x 35mm
	Type 17 (T17) screw	8ga-18 x 40mm
	Type 17 (T17) screw	10ga-8 x 45mm
Duragroove® & Durascape® to 19mm timber batten		
	16ga C brad nail	16ga x 25mm
Duragroove® & Durascape® to metal top hat - min. class 3		
	Self drilling countersunk screw	8ga-18 x 30mm
Timber batten to frame - min. class 3		
	Bugle batten screw - <i>35mm timber batten to timber frame</i>	12ga-10 x 65mm
	Ring shank D head gun nail - <i>19mm timber batten to timber frame</i>	2.87 x 50mm
	Self drilling countersunk screw - <i>35mm timber batten to steel frame</i>	10ga-18 x 50mm
	Self drilling countersunk screw - <i>19mm timber batten to steel frame</i>	10ga-18 x 30mm
Metal tophat to frame - min. class 3		
	Hex head screw - <i>Metal top hats to 0.75mm BMT steel frame</i>	12ga-14 x 25mm
	Hex head screw - <i>Metal top hats to 0.55mm BMT steel frame</i>	10ga-16 x 25mm

Power Tools



4T or 6T PCD fibre cement blade



Plunge/track saw, circular saw fitted with dust extraction port



Class M or H vacuum

4.Construction Details

4.1 Frame & Batten Layout

Below shows typical on-stud layout of the battens and accessories prior to Duragroove® & Durascape® installation

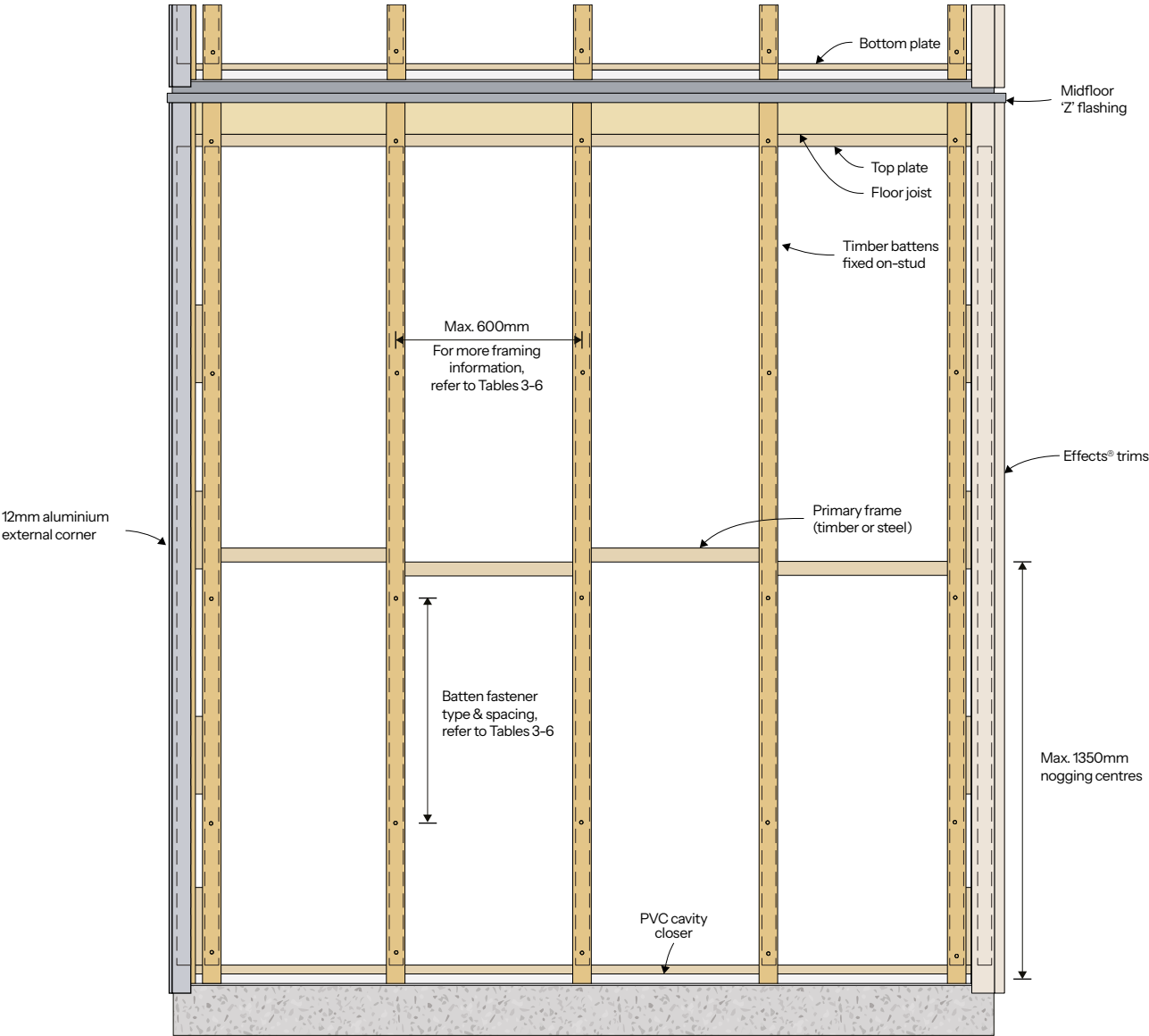


Figure 8 Frame and accessories Elevation

 Z-Flashing required max. 2 storeys.

 Wall wrap omitted for clarity.

4. Construction Details

4.1 Frame & Batten Layout

Below shows typical off-stud layout of the battens and accessories prior to Duragroove® & Durascape® installation

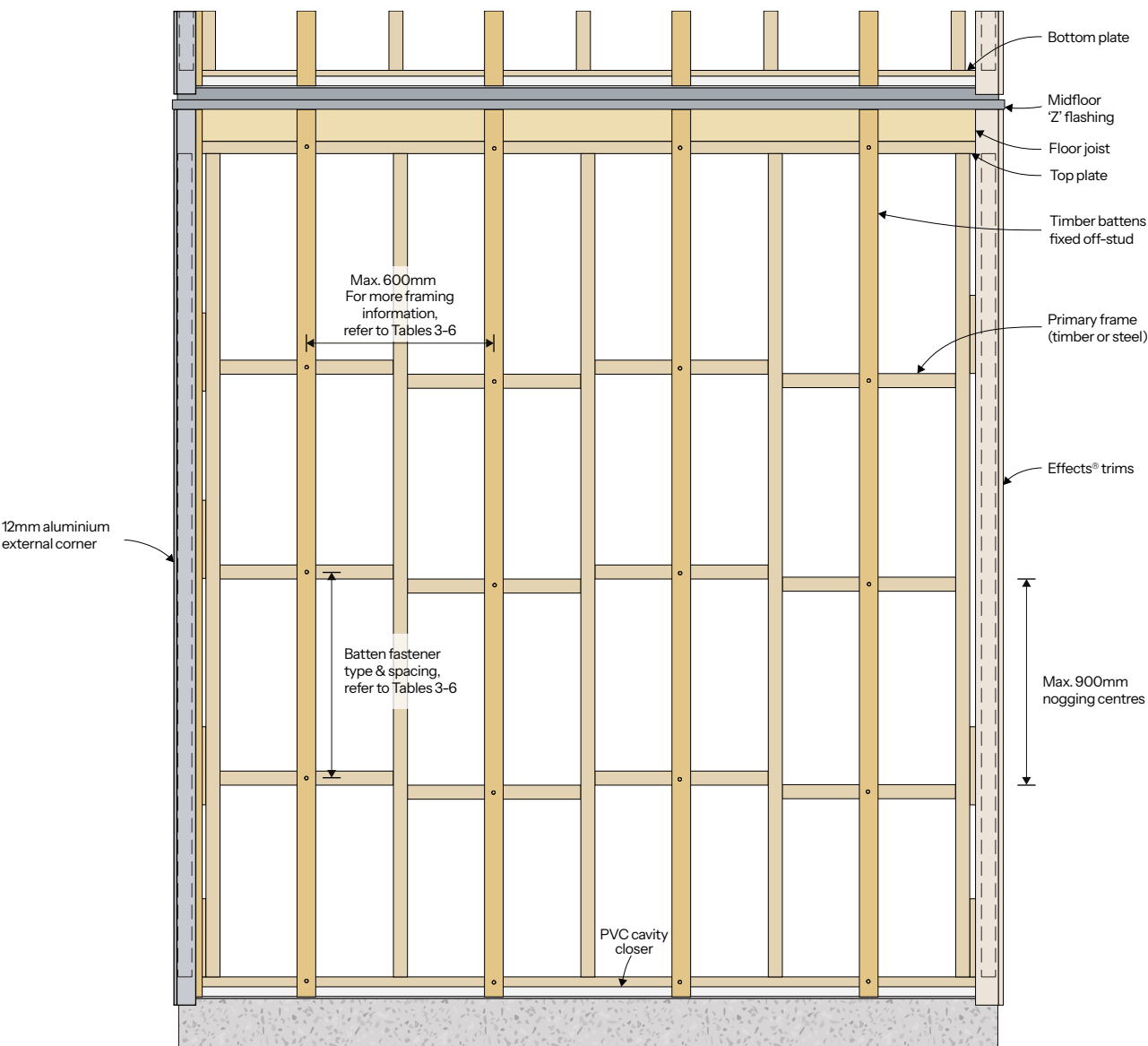


Figure 9 Frame and accessories Elevation

-  Z-Flashing required max. 2 storeys.
-  Wall wrap omitted for clarity.

4. Construction Details

4.2 Shiplap joint and Fastener Positioning

Below shows typical layout of Duragroove® & Durascape® including shiplap joint positioning and fastener layout

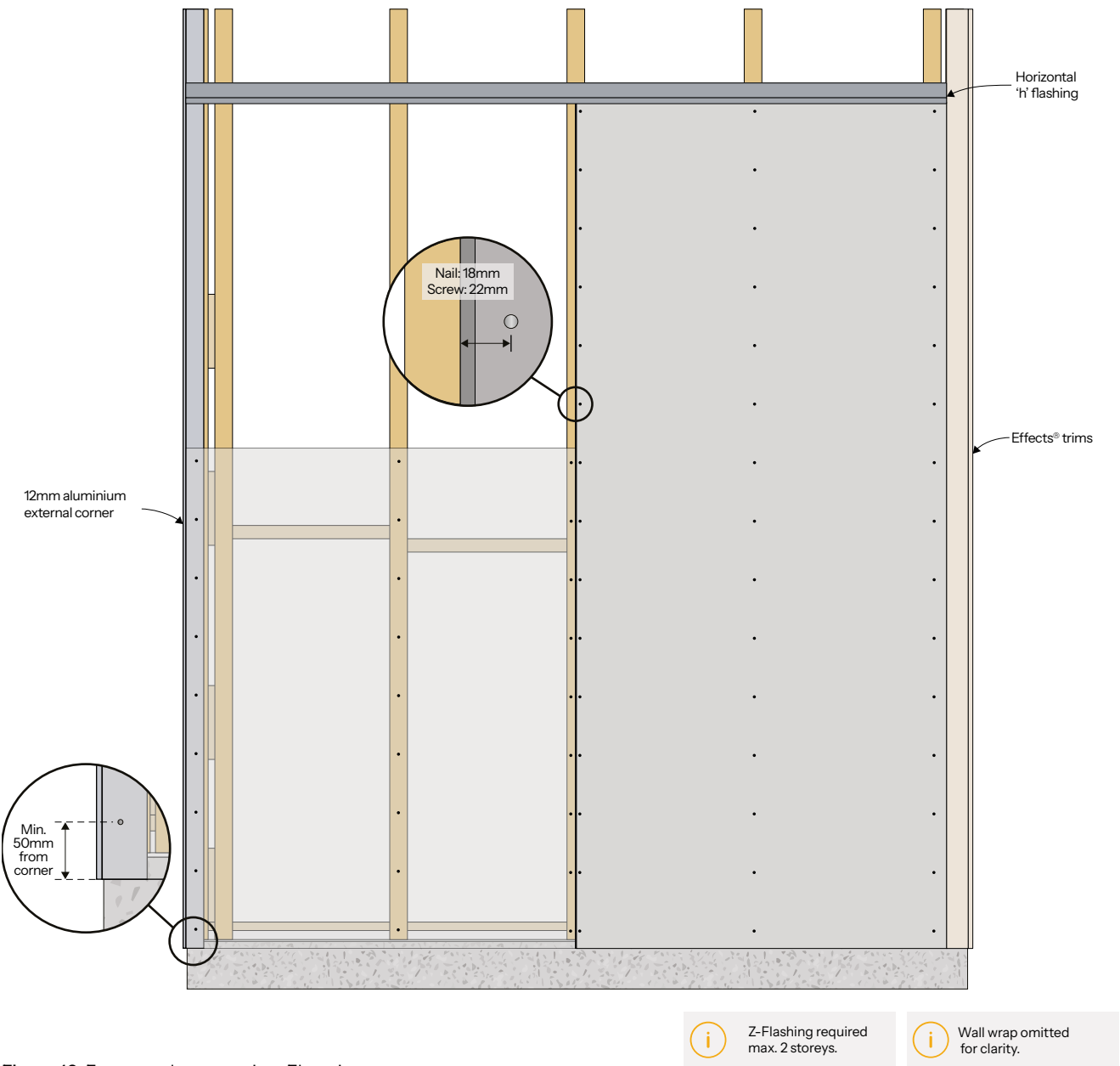


Figure 10 Frame and accessories Elevation

4. Construction Details

4.3 Details

The following construction details illustrate typical configurations for timber framed walls, including 19mm timber battens. Section 3 provides alternate fixing options for 35mm timber battens or steel top hats on timber or steel framing

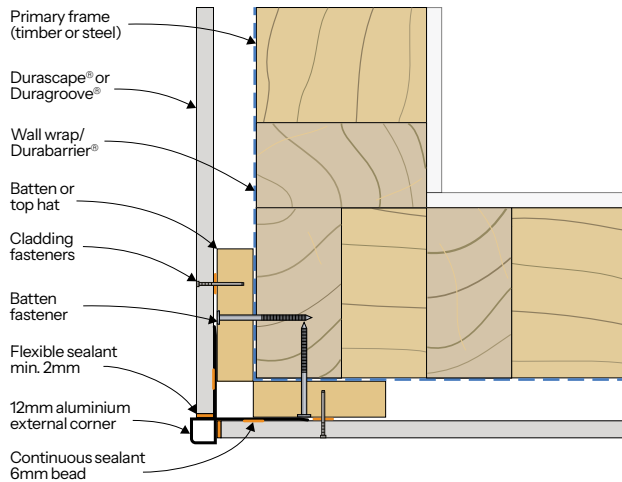


Figure 11 Aluminium external corner detail Plan

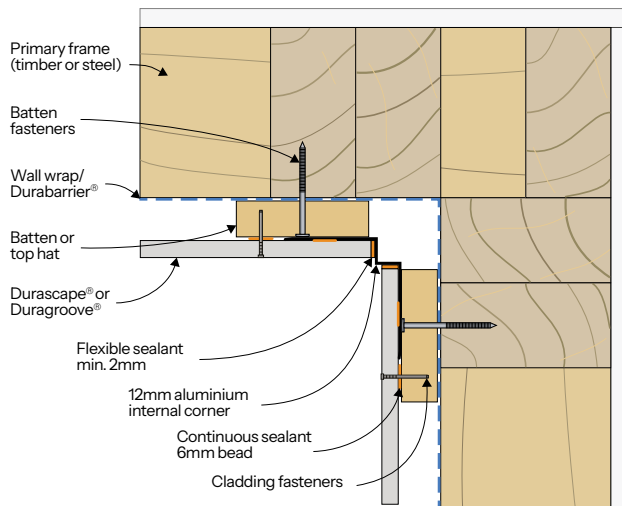


Figure 12 Aluminium internal corner detail Plan

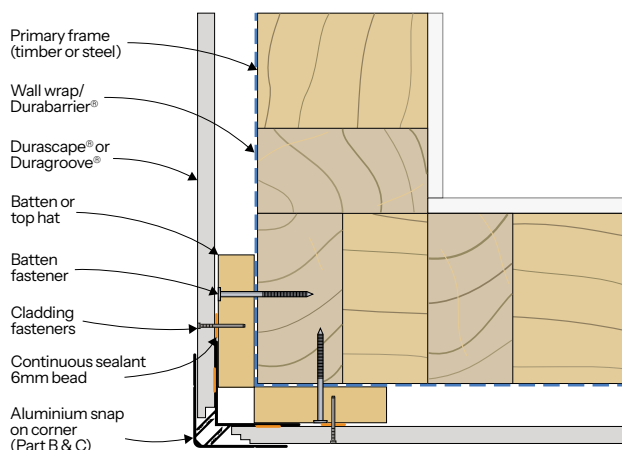
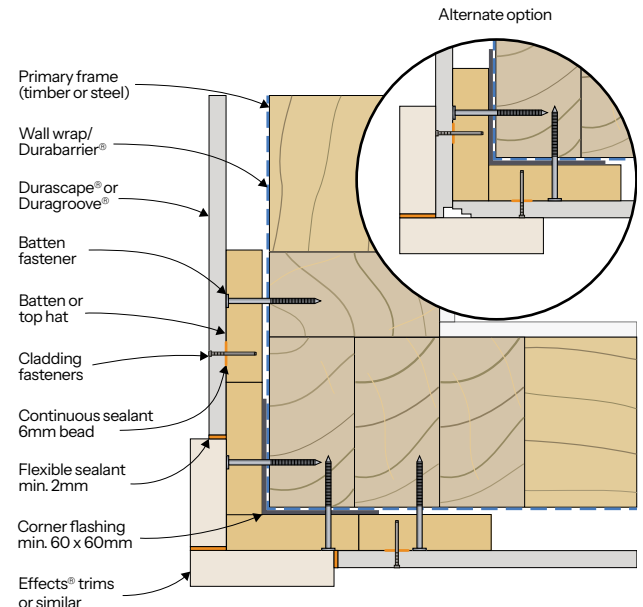
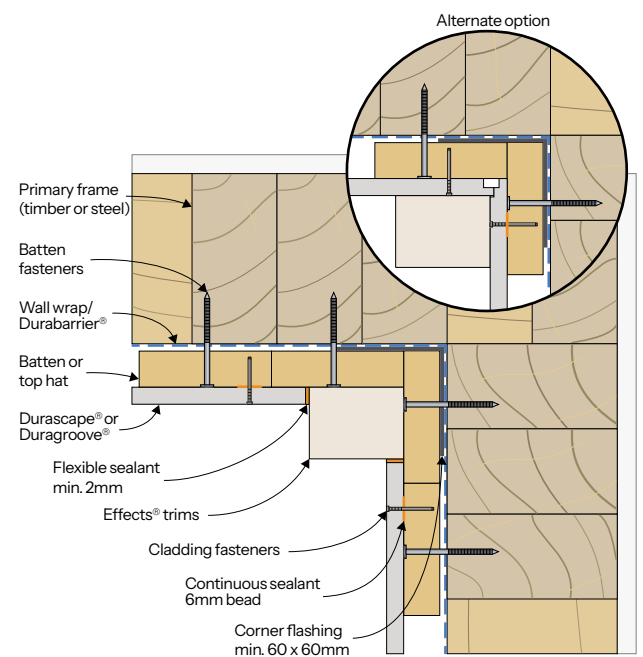


Figure 13 Effects® trims external corner detail Plan



Refer to Effects® trims Design & Installation Guide for trims fixing details.

Figure 14 Effects® trims external corner detail Plan



Refer to Effects® trims Design & Installation Guide for trims fixing details.

Figure 15 Effects® trims internal corner detail Plan

4. Construction Details

4.3 Details

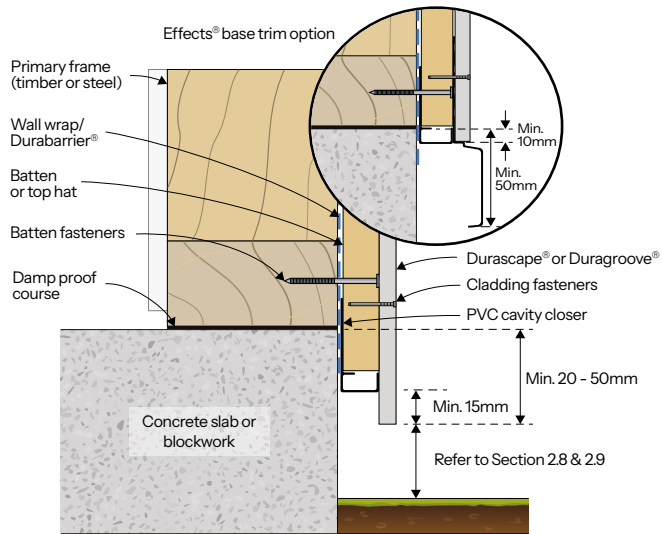


Figure 16 Slab edge detail Section

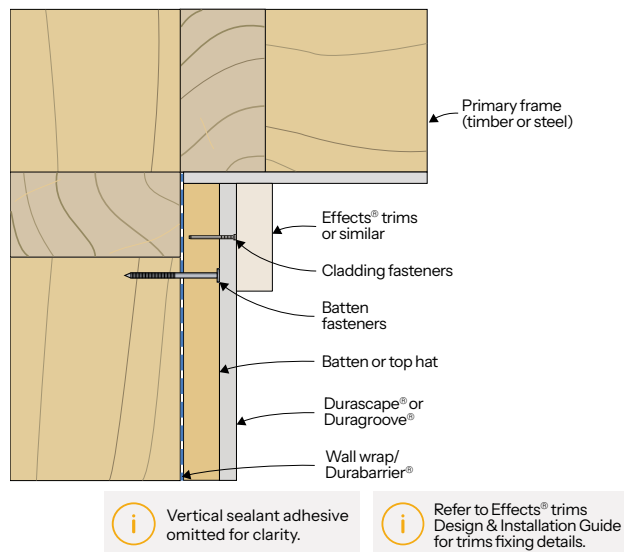


Figure 17 Soffit/wall junction detail Section

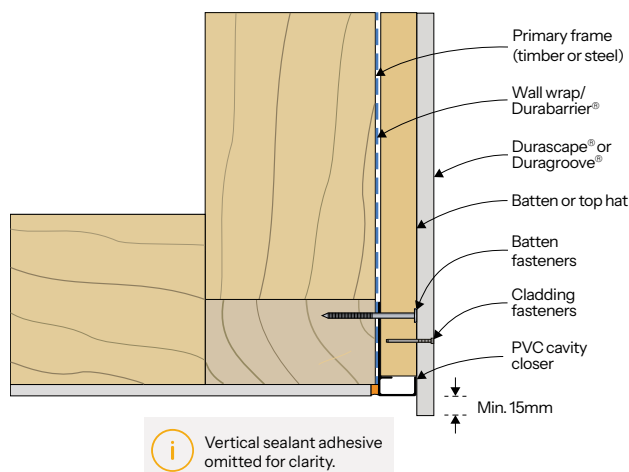


Figure 18 Cantilever wall/soffit junction detail Section

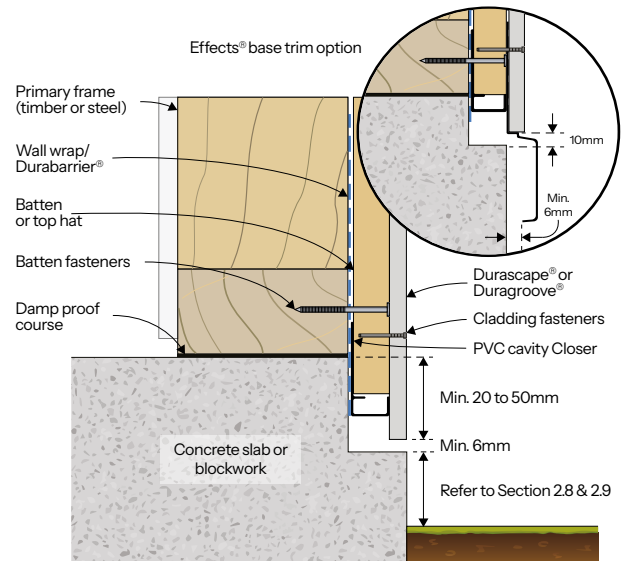


Figure 19 Rebated slab edge detail Section

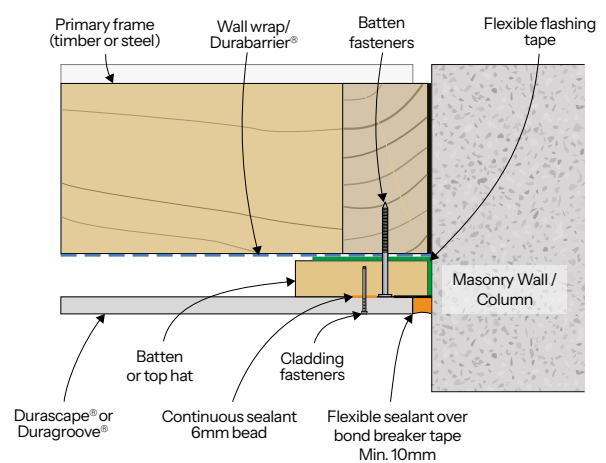


Figure 20 Wall abutment detail Plan

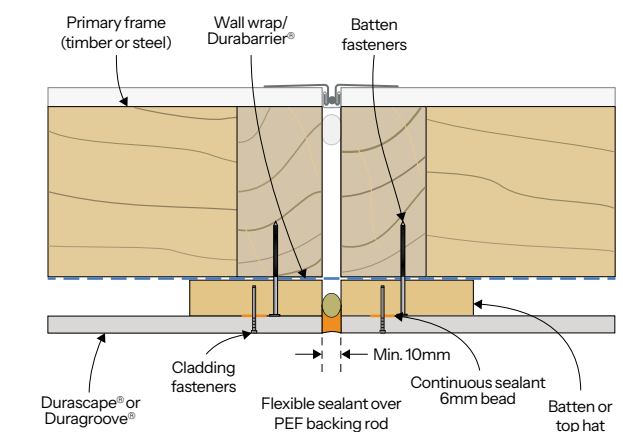


Figure 21 Control joint detail Plan

4. Construction Details

4.3 Details

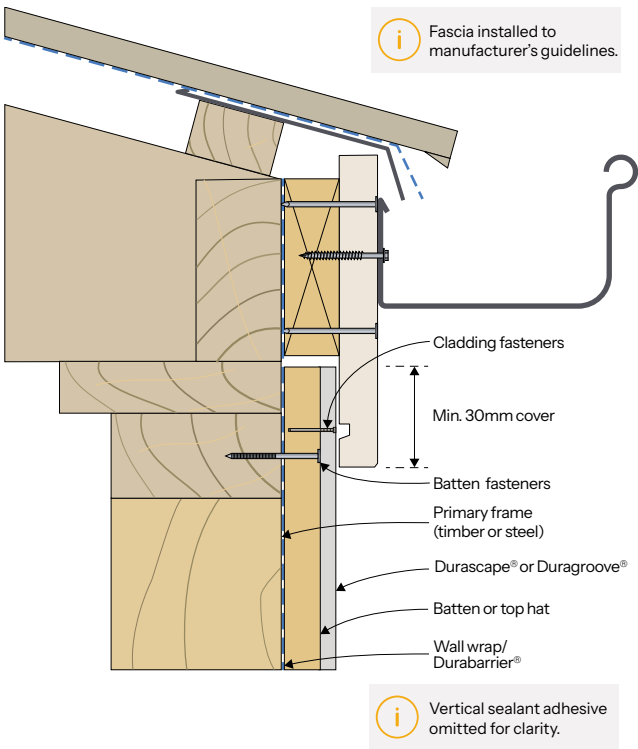


Figure 22 Wall/fascia junction detail Section

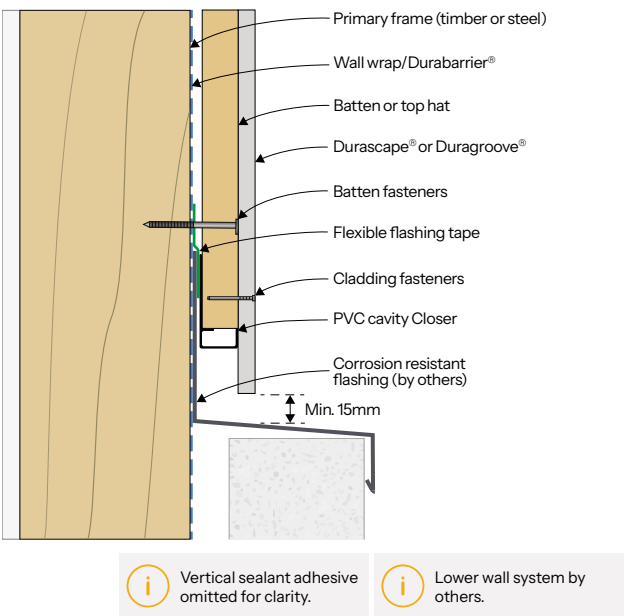


Figure 23 Horizontal junction detail Section

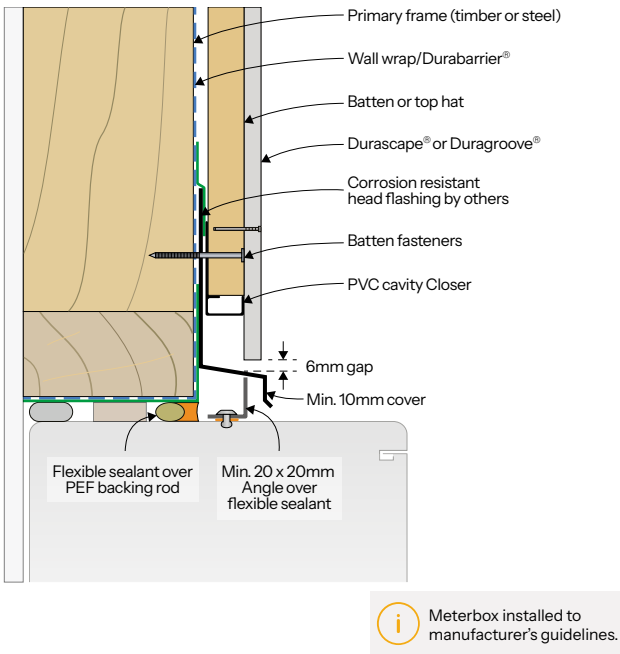


Figure 24 Meterbox head & sill detail Section

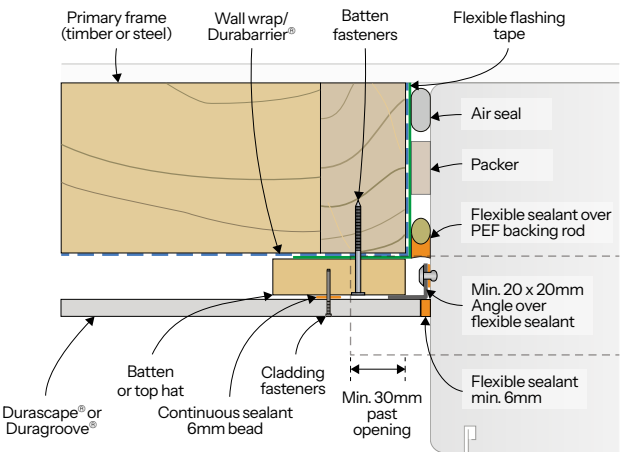


Figure 25 Meterbox jamb detail Plan

4. Construction Details

4.3 Details

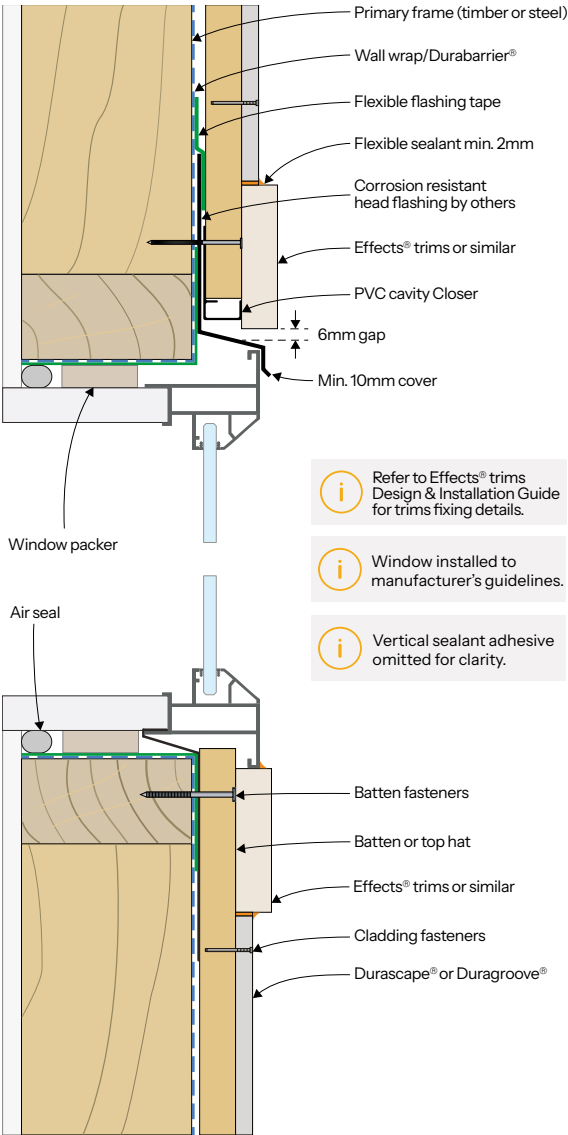


Figure 26 Effects® trims window head & sill detail Section

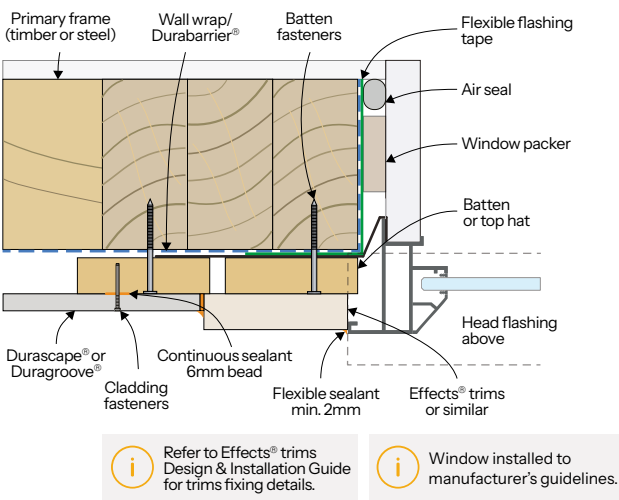


Figure 27 Window jamb detail Plan

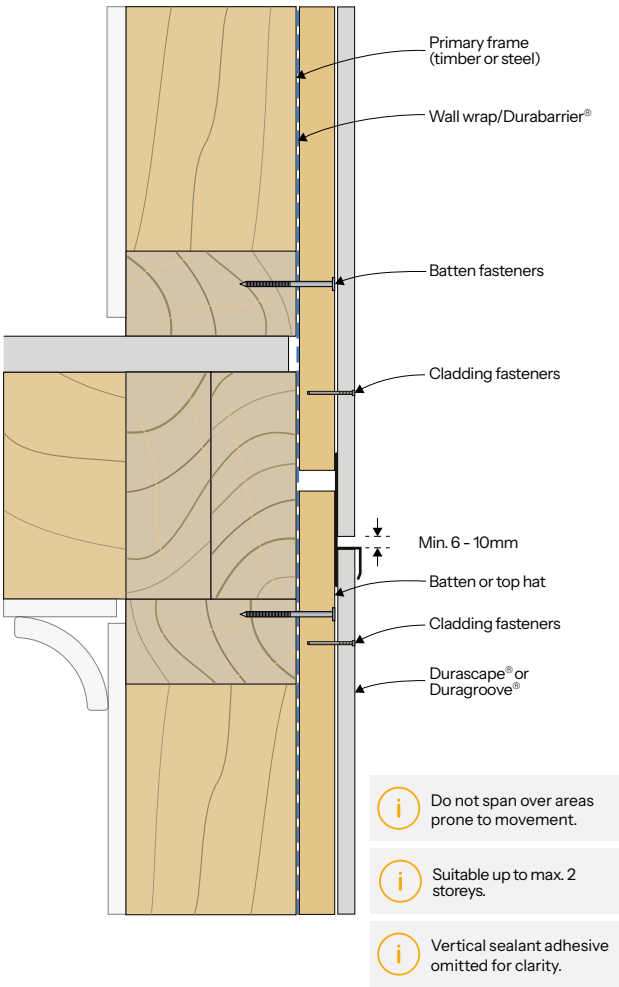


Figure 28 Midfloor continuous cladding detail Section

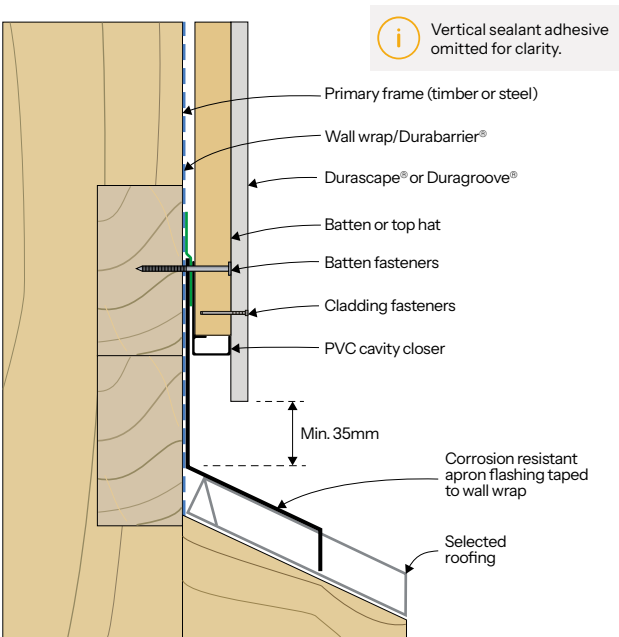


Figure 29 Transverse apron flashing detail Section

4. Construction Details

4.3 Details

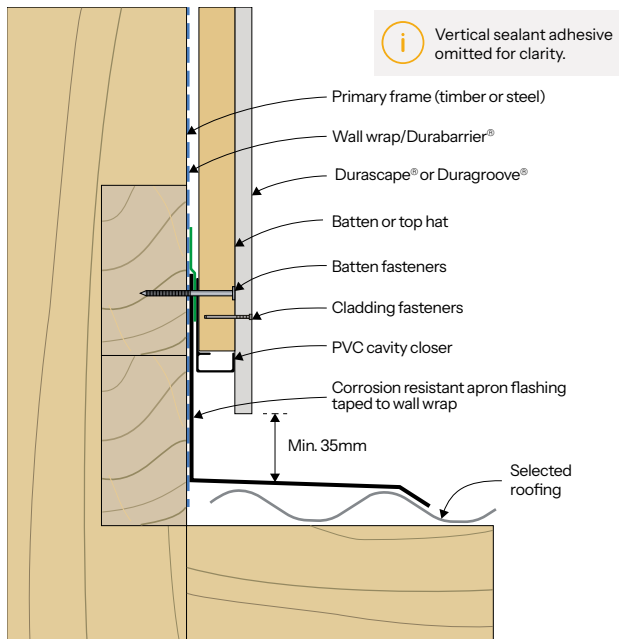


Figure 30 Parallel apron flashing detail Section

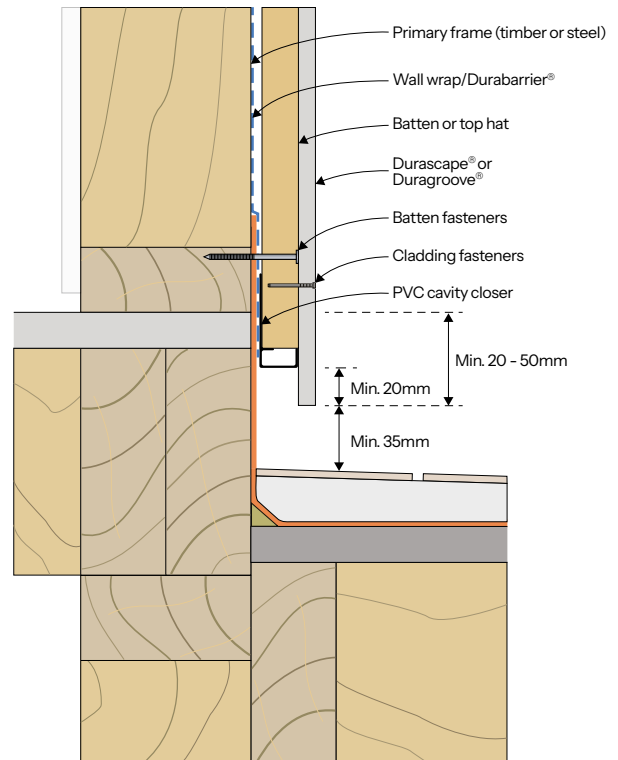


Figure 32 Enclosed balcony detail Section

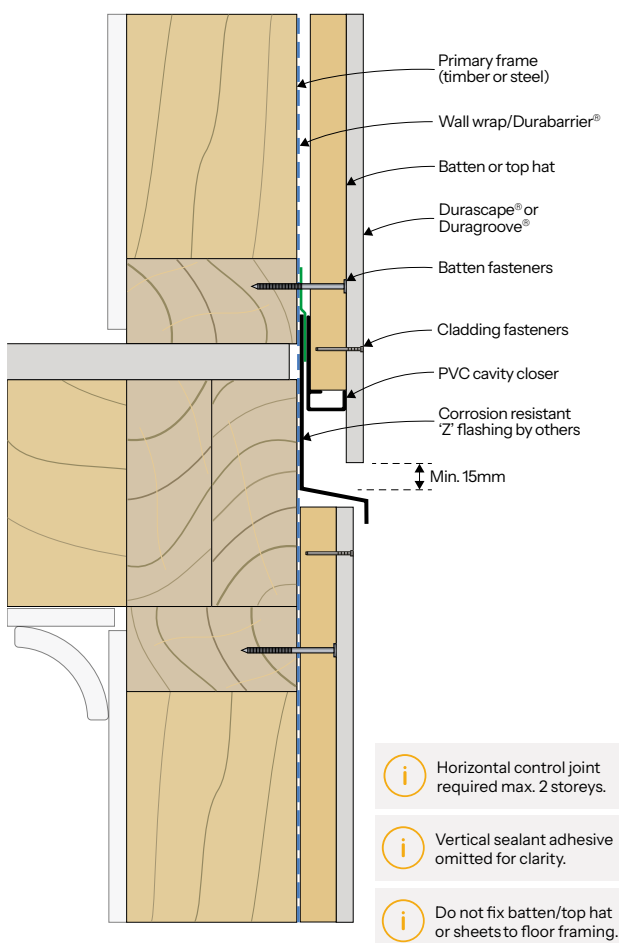


Figure 31 Midfloor control joint - drained detail Section

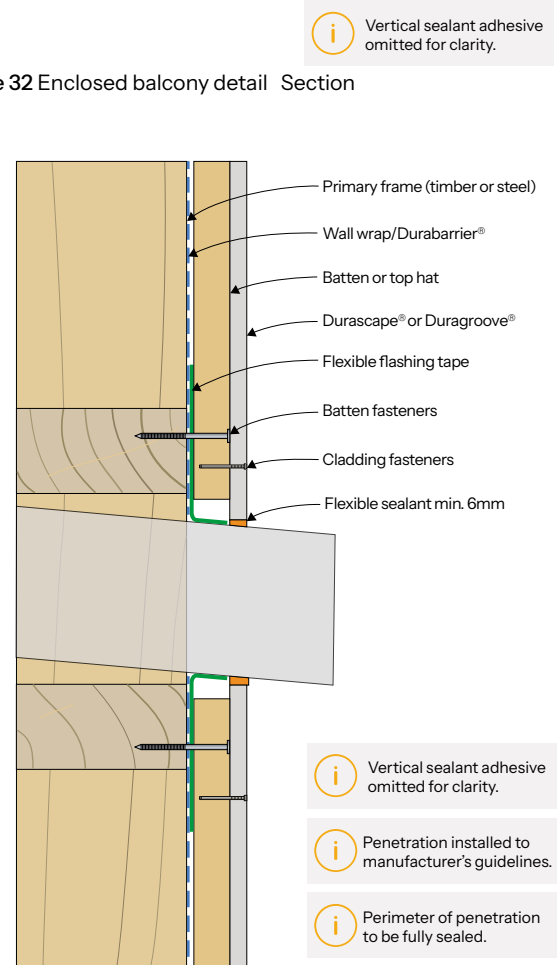


Figure 33 Penetration Detail Section

4. Construction Details

4.3 Details

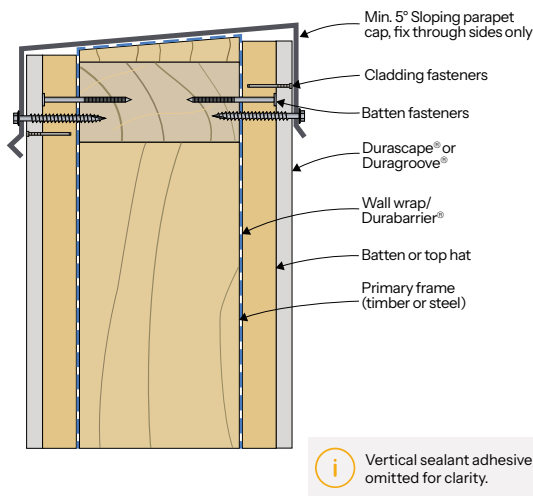


Figure 34 Parapet detail Section

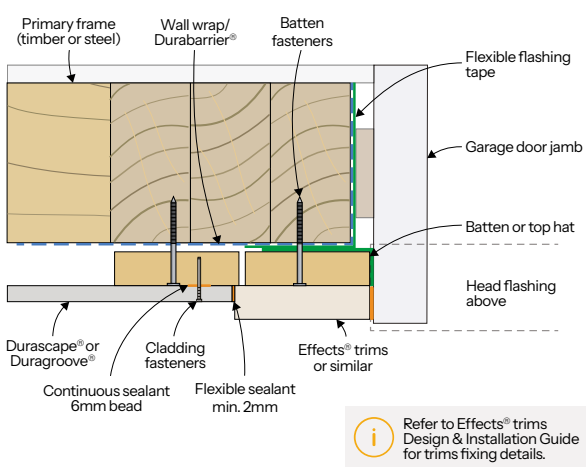


Figure 36 Garage door jamb detail Plan

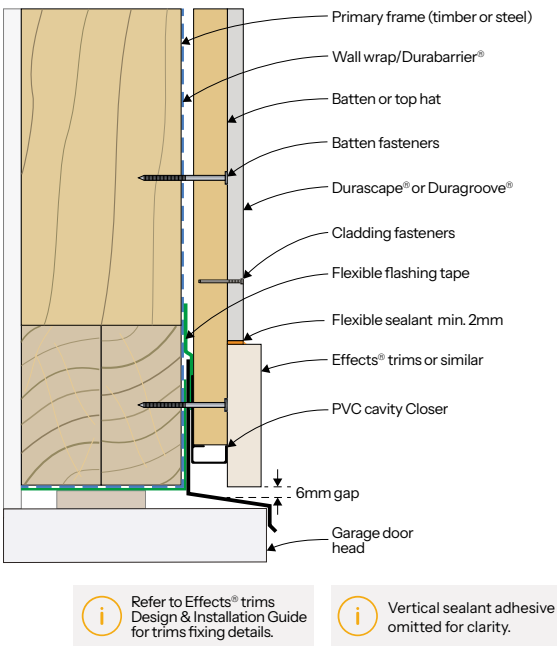


Figure 35 Garage door head detail Section