

# EXSULITE<sup>®</sup> INSTALLATION MANUAL AND CONSTRUCTION DRAWINGS

NEW ZEALAND · MARCH 2017  
VERSION 2



# EXSULITE<sup>®</sup>

## INSTALLATION MANUAL AND CONSTRUCTION DRAWINGS

THE SOLUTION TO  
LIGHTWEIGHT WALL  
CLADDING SYSTEMS.

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This manual is provided as a source of information and is only intended for guidance. It cannot fulfil the functions of a professional, engineering or design consultancy. Professional advice should be sought to determine the suitability of this product for the intended end use. The use of sound building practices should always be applied and this manual may not contain all the necessary relevant information. Please seek professional advice on all aspects of design, engineering and installation.

# Section 1 – *Exsulite* Installation

## 1.1 About *Dulux AcraTex*

*Dulux* New Zealand produces and supplies an extensive range of products. *Dulux AcraTex* (originally standing for Acrylic Texture) has been part of the *Dulux* Premium Trade offer since 1987 and supplies High Build Performance Coatings for the protection of masonry. The dynamic requirements of cementitious substrates and the changing face of the building industry with emerging new substrate technologies is why *AcraTex* exists within the *Dulux* world – serving to provide a focus on differentiated products and systems for the building industry.

## 1.2 *Dulux AcraTex Exsulite* EIFS Cladding System

Introducing a system with the quality and performance that you would expect from *Dulux*. A system that includes wrap, thermal cladding, acrylic texture coating and coloured topcoat.

The *Dulux AcraTex Exsulite* External Insulating and Finishing System (EIFS) Cladding System integrates four key components:

- Continuous weatherproof air barrier & moisture management system
- Efficient high 'R' rated insulation value
- A weatherproof building envelope
- Latest fashionable colours & finishes providing a sustainable walling system unlike any other

The *Dulux AcraTex Exsulite* EIFS Cladding System is a "cavity" system for new residential and light commercial construction. It can also be used as a facade remedial system for rectification and rejuvenation projects when used as a direct fix system.

## 1.3 CodeMark™ Certified

*Exsulite* is CodeMark certified as a fully integrated Building System in compliance with the Building Code of New Zealand. *Exsulite* CodeMark certification provides building certifier's confidence in total design and componentry and together with an ***Exsulite* Certificate of Installation** from industry qualified contractors confirms "as built" insets design.



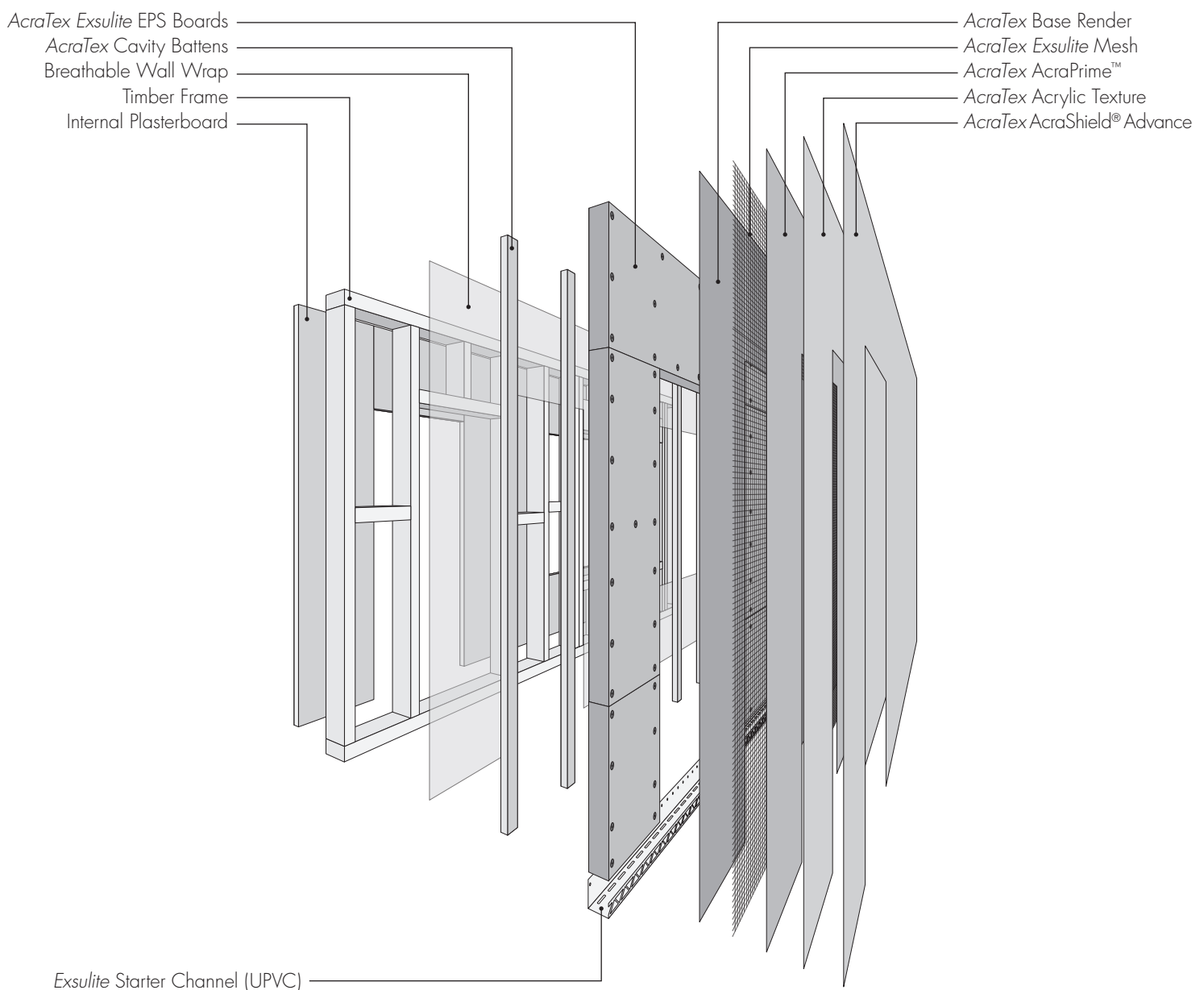
## 1.4 Introduction

These details represent typical *Dulux AcraTex Exsulite* EIFS Cladding System construction techniques and are designed to assist specifiers. These details are not a complete and comprehensive range, but do describe the most commonly used details, installation and application of this EIFS system.

All of the construction details on the following pages have been designed by *Dulux New Zealand* to ensure the *Dulux AcraTex Exsulite* EIFS Cladding System meets all the relevant provisions of the New Zealand Building Code. *Dulux New Zealand* reserves the right to revise and change its construction details without notice.

This specification is for the installation of the *Dulux AcraTex Exsulite* EIFS Cladding System. The *Dulux AcraTex Exsulite* EIFS exterior cladding system provides a fully insulated, drained and weatherproof barrier for residential and commercial construction.

The *Dulux AcraTex Exsulite* EIFS Cladding System comprises of a 50mm EPS board, bag mix render, alkali resistant fibreglass mesh, finishing render and a *Dulux* paint coating system to produce a lightweight durable, impact resistant cladding system.



## 1.5 Installation

The *Dulux AcraTex Exsulite* EIFS Cladding System must only be installed by *Dulux* New Zealand Approved Contractors who are Proprietary Plaster Cladding Systems (PPCS) qualified, have a good working knowledge of the *Dulux AcraTex Exsulite* EIFS Cladding System and its products and are up-to-date with current proprietary application instructions.

Due to the nature of the system all the plaster and render products, fibreglass mesh, flashing components and EPS sheets that make up the *Dulux AcraTex Exsulite* EIFS Cladding System must be supplied directly to the installing contractor by *Dulux* New Zealand or one of its approved agents.

## 1.6 General

*Dulux* New Zealand is an ISO 9001 registered company and, subject to the terms of the relevant warranty, guarantees that all products and components of the system are manufactured to specification in accordance with independently audited quality controlled systems. *Dulux* New Zealand shall not be liable for any defective workmanship, installation or application of its products by any contractor approved or otherwise or any other person. Please see the terms and conditions of the relevant warranty for further information.

The long term durability of the *Dulux AcraTex Exsulite* EIFS Cladding System is dependent upon the correct preparation, installation and application of all its products and components in strict accordance with all the relevant written instructions and detail sheets. On-site application and installation is beyond the control of *Dulux* New Zealand and *Dulux* New Zealand cannot guarantee workmanship or the correct preparation, application and installation of its products or the EIFS system. The approved *Dulux AcraTex Exsulite* EIFS Cladding System contractor shall take overall responsibility for all on-site supervision, staff training, installation and quality control of the *Dulux AcraTex Exsulite* EIFS Cladding System.

## 1.7 Building Regulations

The *Dulux AcraTex Exsulite* EIFS Cladding System when installed, applied and maintained in accordance with the written instructions, recommended installation details and maintenance instructions from *Dulux AcraTex* will meet or contribute to meeting the relevant provisions of the New Zealand Building Code:

- Structure, B1.3.1, B1.3.2 and B1.3.4.
- Durability, B2.3.1 (b).
- Protection from Fire, C3.4 (a) Walls, C3.5 Spread of Fire, C3.6 (buildings within one meter of a shared boundary).
- External Moisture, E2.3.2, E2.3.3, E2.3.5, (as applicable to concrete wall systems).
- Hazardous Building Materials, F2.3.1.

## 1.8 Materials

- 1) *Dulux AcraTex* Cavity Battens.
- 2) *Dulux AcraTex* PVC Control Joint.
- 3) *Dulux AcraTex* 50mm *Exsulite* EPS board.
- 4) *Dulux AcraTex* 50mm uPVC window and door sill, jamb, base and head cavity closer.
- 5) *Dulux AcraTex Exsulite* Mesh.
- 6) *Dulux AcraTex* bagged renders.
- 7) *Dulux AcraTex* paint coating system.

## 1.9 AcraTex Cavity Battens

All exterior framed surfaces shall be fully battened using *Dulux AcraTex* supplied EPS cavity battens. The cavity battens are to be placed on all studs at full length and where required for horizontal fixings installed with a minimum 5° slope. Additional battens are required on internal and external corners and around all openings as per standard cavity batten details.

## 1.10 Fixings

**50mm system on timber frame** – 100mm x 3.6mm hot-dipped galvanised flat head nails used in conjunction with a 42mm diameter plastic washer.

**50mm system on steel frame** – 10 gauge x 100mm stainless steel screws used in conjunction with a 42mm diameter plastic washer.

**50mm system on timber frame** – 10 gauge x 100mm hot-dipped galvanised (class 4 galvanised) CsK woodscrew square drive (with nibs) in conjunction with a 42mm diameter plastic washer.

**50mm system on timber frame** – 10 gauge x 100mm 304 stainless steel (grade 304 A2-70) CsK woodscrew square drive (with nibs) in conjunction with a 42mm diameter plastic washer to be used as per NZS 3604 section 4 - durability table 4.3.

### Applied to masonry and concrete

A bonding compound made up from a 20kg bag of *AcraTex* render adhesive in conjunction with polypropylene construction fasteners (dutch darts) driven into pre drilled holes at 600 centres in the concrete substrate.

**PVC Adhesive** – should be an approved construction adhesive.

**MS Sealant** – should be an approved Building Research Authority New Zealand (BRANZ) appraised paintable modified silicone sealant.

**Sheet Joints** – All joints to plain edged sheets shall be butt jointed over solid timber backing. Corner joints shall be butted together and fully supported along the length of the joint.

## 1.11 Dulux AcraTex Applied Products

*Dulux AcraTex* Detailing render to be used for the application and installation of soft alkali resistant mesh to sill and jamb uPVC window door flashings details.

*Dulux AcraTex* RenderWall® P400 to be used for the application and installation of alkali resistant hard mesh to the broad wall areas.

Finishing coats can be either *Dulux AcraTex* Acrylic texture coats or *Dulux AcraTex* Mineral Float bagged render applied as per the *Dulux* specification.

## 1.12 Paint Coatings

1) If *Dulux AcraTex* acrylic finishing texture has been specified and applied a minimum of one top coat of *AcraShield* Advance must be applied as per the *Dulux* specification or other *Dulux* top coats as specified.

2) If *Dulux AcraTex* Mineral Float bagged render has been specified and applied a minimum of *Dulux* Green Render Sealer™ 501/10 must be used in conjunction with the specified top coats as per the *Dulux* specification.

All paint coating systems must be supplied by *Dulux* New Zealand and applied as per the *Dulux* New Zealand specification and in conjunction with AS/NZS 2311:2009 as specified at the time of application. The paint system should comply with any part of 7, 8, 9 or 10 of AS/NZS 3730 and must meet the performance requirements of NZBC B2.3.1 (c) 5 years and **all paint colours must have a light reflective value (LRV) of no less than 40% irrespective of gloss level.**

## 1.13 uPVC Flashings

All sill, jamb, head and base and pre-meshed corner flashings must be made from a rigid uPVC suitable for exterior applications and must be supplied by *Dulux* New Zealand or one of its approved agents.

**Aluminium head flashings must be installed by others over all window heads and door openings.**

The jamb flashings on recessed aluminium joinery must be flashed with *Dulux AcraTex* uPVC jamb flashings and sealed with an approved BRANZ appraised sealant. uPVC sill flashings on recessed aluminium joinery are flashed with *Dulux AcraTex* uPVC sill flashings in conjunction with a *Dulux AcraTex* corner soaker to form a continuous joint between sill and jamb flashings.

Where a *Dulux AcraTex* uPVC sill flashing cannot be used because a recessed curved or irregular shaped joinery detail has been specified or used e.g. circular window joinery, then the sill must be formed, flashed and sealed using an alternative means and approved by the specifier and local territorial authority.

All base flashings used as cavity closers are punched to achieve a minimum ventilation openings of 1000mm<sup>2</sup> per lineal metre.

**All detail drawings are the sole responsibility of the specified designer.**

## 1.14 Reinforcing Mesh

The alkali-resistant woven fibreglass reinforcing mesh used in the *Dulux AcraTex Exsulite* EIFS Cladding System can be specified in two grades to provide adequate resistance against impact loading likely to occur in normal residential and commercial buildings. Where the likelihood of impact damage may occur in commercial situations then this should be considered at the design stage and appropriate protection should be specified such as bollards or barriers should be provided for in vulnerable areas.

Mesh specification for Residential and light commercial – alkali-resistant hard mesh with a nominal 4 x 4mm aperture weighing no less than 152g/m<sup>2</sup>.

Mesh specification for commercial and high impact areas – alkali-resistant hard mesh with a nominal 4 x 4mm aperture weighing no less than 360g/m<sup>2</sup>.

## 1.15 Installation and Application

All specified installation and application of the works must be carried out by a PPCS qualified contractor approved by *Dulux* New Zealand.

All specified installation and applications of the works must be signed off by a Ministry of Business, Innovation and Employment (MBIE) certified Licensed Building Practitioner contractor approved by the local Territorial Authority (TA).

## 1.16 Handling and Storage

All handling and storage of materials during delivery and or on site is the responsibility of the approved contractor. Dry storage must be provided on site for all the materials and components of the *Dulux AcraTex Exsulite* EIFS Cladding System. All the *Dulux AcraTex Exsulite* EIFS Cladding System composite boards and uPVC flashings must be protected from direct sunlight and damage. It is recommended that all the composite boards are stored flat, dry and protected from damage.

## 1.17 Construction Information

The *Dulux AcraTex Exsulite* EIFS Cladding System is an insulating external wall cladding system for use with new or existing timber framed structures, steel framed structures and masonry or concrete structures. The structure supporting the cladding system must be designed and constructed to comply with all the relevant performance requirements of the NZBC. All wall studs must not exceed 600mm centres and dwangs or nogs must be installed at maximum 800mm centres.

The *Dulux AcraTex Exsulite* EIFS Cladding System must not be used in situations where water may pond. A minimum slope of 15° is required on all uPVC sills and metal cap flashings. The system must not be used as a roof cladding. Particular attention to detail and workmanship must be given to the weatherproofing details contained in the technical literature relating to the flashing and sealing of building penetrations or junctions with other building materials and buildings.

The minimum heights of finished floor levels above adjoining ground levels, and minimum horizontal clearances from adjoining ground, shall comply with the requirements of NZS 3604:2011 and NZBC E2/AS1.

**It is the Building owners responsibility to maintain these NZBC requirements during the life time of the building.**

It is the designer's responsibility to ensure that the choice and position of the joinery will minimize the stress upon the uPVC jamb and sill details by minimizing the expansion and contraction of the window and door joinery. Depth of joinery colour can be a contributing factor.

## 1.18 Building Underlay

A building wall underlays must be used against the framing underneath the cavity battens in all circumstances. Wall underlays include flexible membranes such as kraft based papers and synthetic underlays as well as rigid sheathings including plywood and fibre cements sheets. All wall underlays shall comply with the requirements of NZBC Acceptable Solutions E2/AS1 Table 23.

Flexible wall underlays are suitable for use in NZS 3604 Wind Zones up to and including Very High. Rigid wall underlays are required in the Extra High Wind Zones and specific design wind pressures within scope of the BRANZ Appraisal.

Unlined gables and walls must incorporate a rigid sheathing or an air barrier which meets the requirements of NZBC Acceptable Solutions E2/AS1 Table 23.

Flexible building underlays must be installed horizontally and be continuous around corners. Wall underlays must be lapped 75mm minimum at horizontal joints and 150mm minimum over studs at vertical joints.

Generic rigid sheathing materials must be installed in accordance with NZBC Acceptable Solutions E2/AS1 and be overlaid with a flexible wall underlay. Proprietary systems shall be installed in accordance with the manufacturer's instructions and the NZBC.



## 1.19 Electrical Cables

PVC sheathed electrical cables must be prevented from being in direct contact with the EPS composite board. Where electrical cables must penetrate the EPS composite board for exterior connections the electrical cables must be supported by passing through an electrical conduit.

## 1.20 Pipes / Outlets / Fixing Blocks

Before any rendering begins all the plumbing that will penetrate the cladding system must be in place. If the plumbing work cannot be finished prior to the rendering, short sections of pipe must be installed through the wall so that they can be sealed in place before rendering commences. This also applies to metre boxes, outside taps and light fittings, etc.

Treated timber backing blocks for items such as downpipe brackets, outside taps and light fittings must be fixed to the framing at the appropriate locations. The PPCS approved contractor will cut the cladding board around these timber blocks after applying a layer of proprietary EFS membrane waterproofing tape before rendering over these locations.

Design Criteria Building Wind Zones

The *Dulux AcraTex Exsulite* EFS Cladding System is suitable for use in all wind zones up to and including very high, as defined in NZS 3604:2011, when fixed as per table 1 below.

<b>Table 1: EPS Sheet Fixing Centres for Edge and Intermediate Studs.</b>		
<b>NZS 3604:2011 Wind Zones with studs at maximum 600mm centres</b>	<b>Maximum fixings centres (mm) Beyond 1.5m from an external corner</b>	<b>Maximum fixings centres (mm) Within 1.5m of an external corner</b>
Low	300	300
Medium	300	200
High	300	150
Very High	300	150

**Note:** One fixing is also required into each dwang at mid-dwang length.

**Note:** 42 mm PVC fixing washers must be used.

The *Dulux AcraTex Exsulite* EFS Cladding System is also suitable for use in the Extra High Wind Zones of NZS 3604:2011 and in specific design wind pressures up to and including differential 2.5 kPa ULS when fixed as per table 2 below.

<b>Table 2: EPS Sheet Fixing Centres for Edge and Intermediate Studs.</b>		
<b>NZS 3604:2011 Extra High Wind Zone and specifically designed buildings up to 2.5kPa design differential ULS wind pressure with studs at maximum 400mm centres.</b>		
<b>Maximum vertical fixing centres (mm) along studs</b>	<b>Maximum horizontal fixing centres (mm) along top and bottom plates</b>	<b>Maximum horizontal fixing centres (mm) along dwangs or nogs</b>
150	200	150

**Note:** 42mm PVC fixing washers must be used at all times.

## 1.21 C1 Outbreak of Fire

The *Dulux AcraTex Exsulite* EIFS Cladding System must be separated from heating appliances, fire places, chimneys and flues in accordance with the requirements of Acceptable Solutions C/AS1 Part 7 for the protection of combustible materials.

## 1.22 C3 Spread of Flame

**Internal:** The *Dulux AcraTex Exsulite* EIFS Cladding System contains foamed plastic (i.e EPS) and must comply with the requirements of NZBC C/AS1. Joints in flame barriers and openings for penetrations must be designed to prevent flame contact with EPS.

The EPS used with *Dulux AcraTex Exsulite* EIFS Cladding System meets the flame propagation criteria in of AS/NZS 1366. Interior surface finishes must comply with the appropriate requirements of C/AS1 for fire in terms of spread of flame and smoke development indices.

**External:** *Dulux AcraTex Exsulite* EIFS Cladding System meets the performance provisions of NZBC C/AS1 for use as an external wall cladding system on buildings in all purpose groups at any distance to the boundary.

Where buildings are of three or more floors and the *Dulux AcraTex Exsulite* EIFS Cladding System extends to cover the walls of three or more floors, the requirements for barrier to vertical fire spread in the EPS as set out in NZBC Acceptable Solutions C/AS1 table 5.1 must be met. Design of the barrier joint must be specifically detailed by the designer to meet the NZBC, including blocking of the cladding cavity and wall framing cavity, and installing of flashing and sealing systems to collect and direct any moisture to the outside of the cladding system at this point.

## 1.23 E2 External Moisture

Alternative weather sealing details to those specified by *Dulux* New Zealand, which are detailed by the designer or are used by the builder, are not covered by this specification.

## 1.24 Construction / Control Joints

Construction/control joints are required in external walls longer than 20 metres in length or 7 meters in height including gables. Inter-storey drainage joints must be provided for in walls over 2 stories in height in accordance with the requirements of NZBC E2/AS1, paragraph 9.1.9.4(b).

## 1.25 Cladding System Maintenance

The *Dulux AcraTex Exsulite* EFS Cladding System must be regularly cleaned, at least annually by washing with clean water to remove dirt and to maintain the paint finish. Grime may be removed with warm water and detergent.

It is recommended that the *Dulux* paint system is recoated at least once every 10 years dependant on colour and the environment that it is located in, for example coastal environments tend to be harsh and recoating is required more often than sheltered locations.

Regular checks, at least annually must be made of the entire system to ensure that the coating and sealants remain weather tight and to ensure that the flashings and other joints continue to perform their function so that weather driven water will not penetrate the system.

## 1.26 Health and Safety

All OSH safety requirements must be adhered to and full personal safety equipment worn at all times when working on the building site and installing the system.

These include hard hat, high visibility clothing and safety shoes.

When cutting equipment is being used wear safety glasses, noise protection (if required) and gloves.

Make sure electrical equipment is isolated when in use.

That ladders and scaffolding are secure, installed and used correctly.

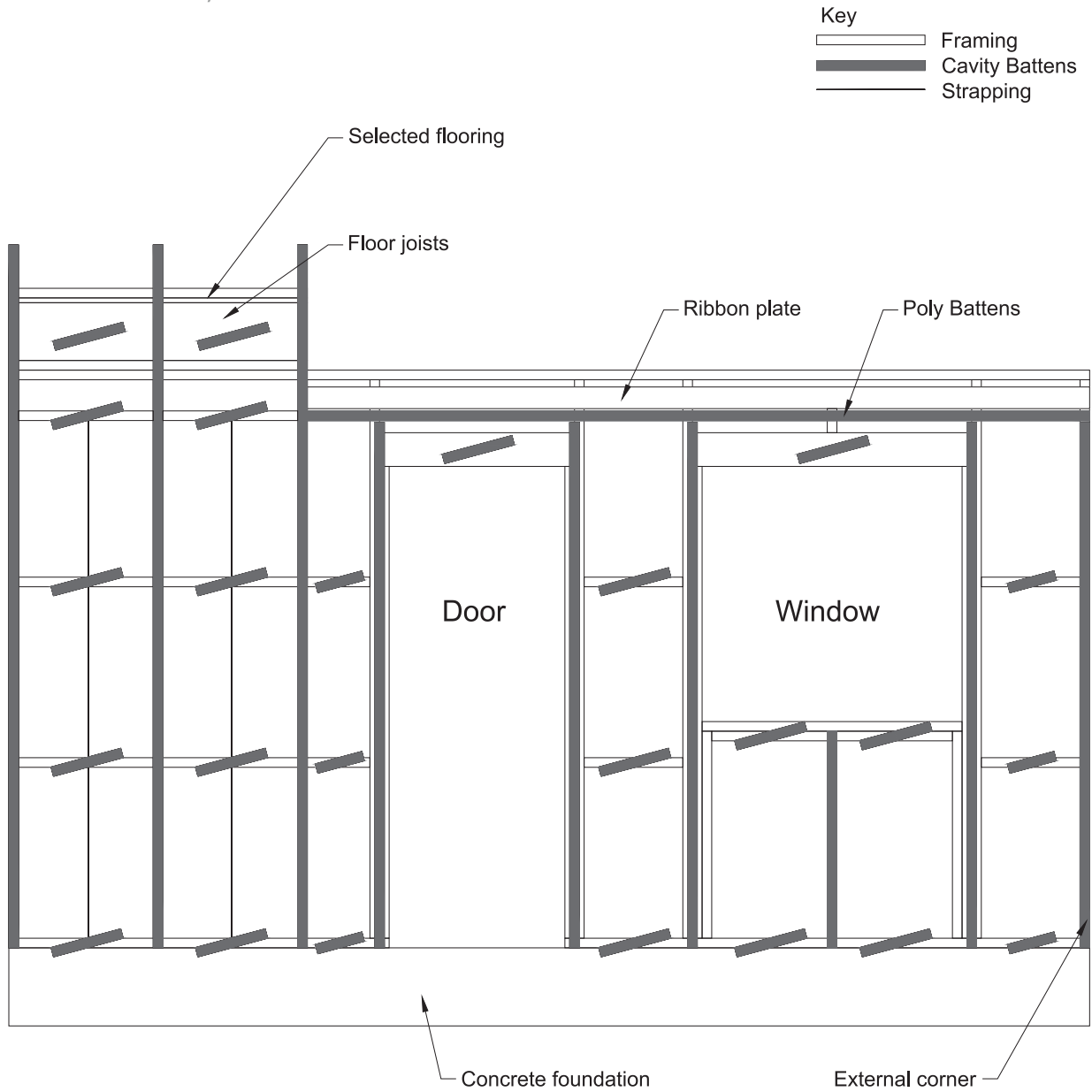
Ensure that your First aid training and equipment are up to date.

Always wear gloves, safety glasses and a dust mask when mixing renders.

Always consider your other work mates on site.

# Section 2 – Exsulite Construction Drawings

## 2.1 Batten Layout




**Notes:**

- All horizontal packers should be placed at approximately 15° slope (although must be a minimum of 5°).
- It is permissible to place more than one packer between vertical battens provided all other rules are met.
- There must be a 50mm or more gap between horizontal packers and any other packer or battens.
- Studs wider than 450mm must have vertical polystyrene straps or battens.

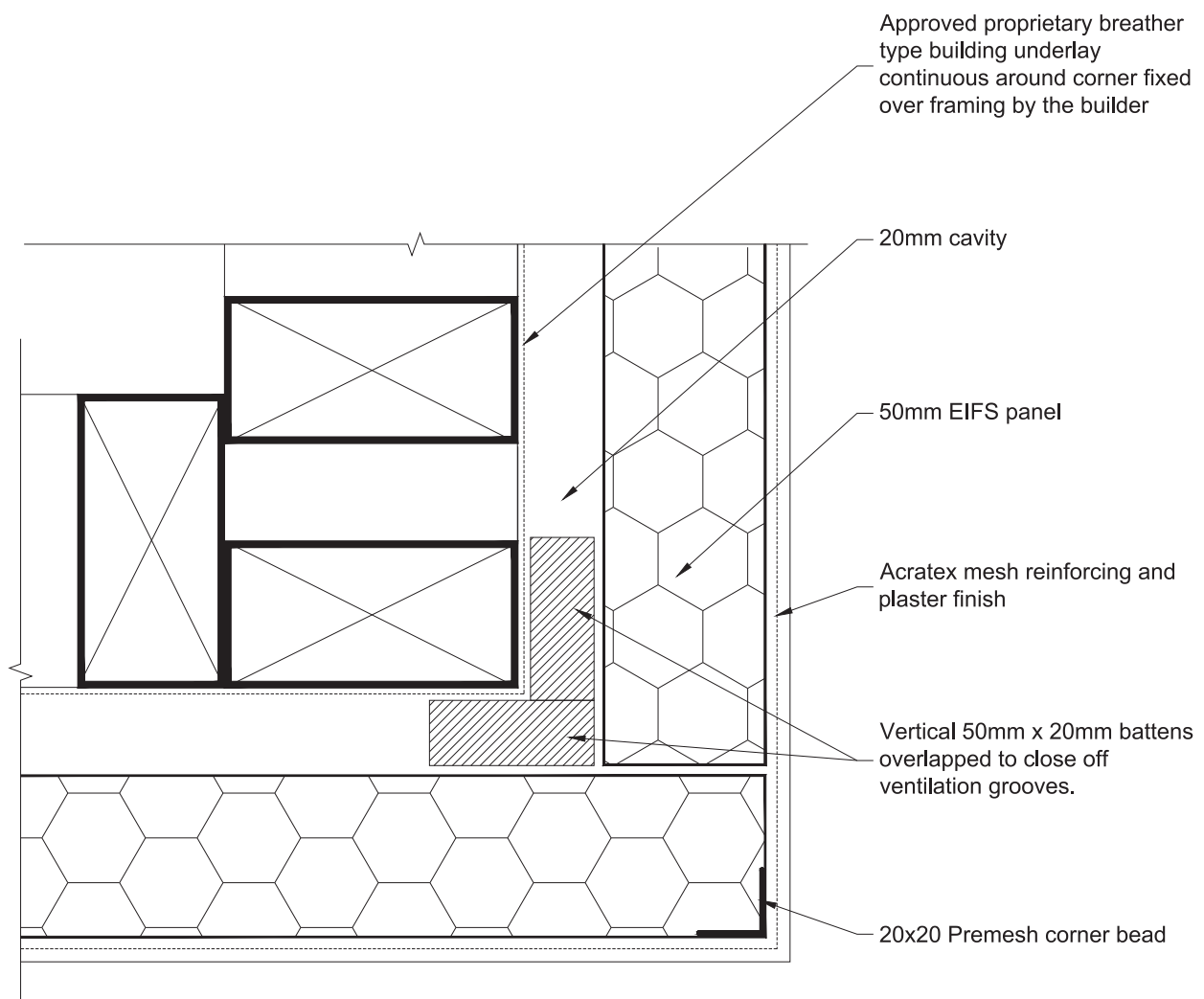
Detail: 01

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e110 eifs\_batten layout.dwg

 <p>Exsulite EIFS Cladding System by Dulux AcraTex</p>	<p>Dulux New Zealand 150 Hutt Park Road Gracefield Wellington</p>	<p><b>Dulux® AcraTex® Exsulite EIFS Cladding System</b></p>	<p>www.dulux.co.nz</p>
	<p>Ph 0800 800 424 Fax 0800 801 424</p>	<p><b>BATTEN LAYOUT</b></p> <p><small>Disclaimer: This information is intended solely as a guide for use of Dulux® AcraTex® products. Before using you should ensure that the product is suitable for use in the specific application. Nothing in this information constitutes a statement of fitness for particular purpose and appropriate expert advice is to always be obtained. Dulux® AcraTex® makes no warranty regarding the use of this information with non-Dulux® AcraTex® products.</small></p>	<p>Issue: 1.0 June 2013 1:25</p>


## 2.2 External Square Corner



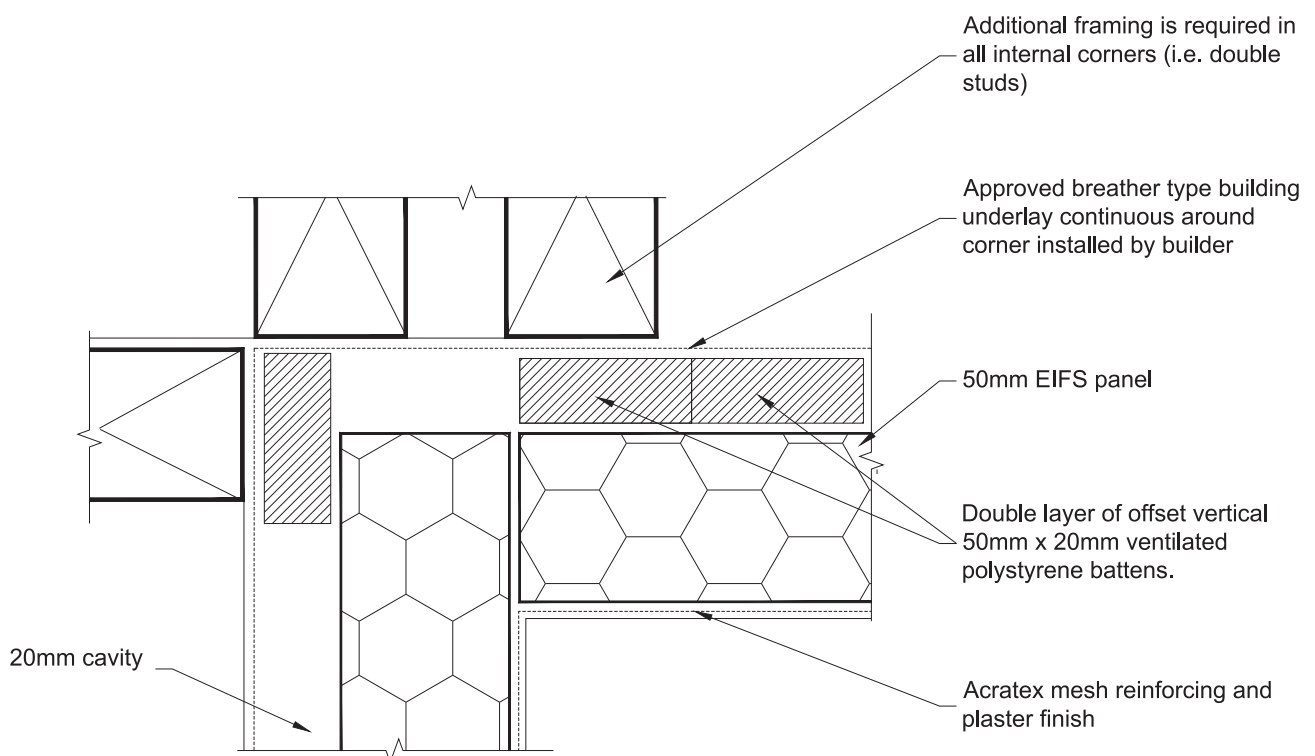
Detail: 02

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e120 eifs\_external square corner.dwg

 <p>Exsulite EIFS Cladding System by Dulux AcraTex</p>	<p>Dulux New Zealand 150 Hutt Park Road Gracefield Wellington</p>	<p><b>Dulux® AcraTex® Exsulite EIFS Cladding System</b></p>	<p>www.dulux.co.nz</p>
	<p>Ph 0800 800 424 Fax 0800 801 424</p>	<p><b>EXTERNAL SQUARE CORNER</b></p> <p><small>Disclaimer: This information is intended solely as a guide for use of Dulux® AcraTex® products. Before using you should ensure that the product is suitable for use in the specific application. Nothing in this information constitutes a statement of fitness for particular purpose and appropriate expert advice is to always be obtained. Dulux® AcraTex® makes no warranty regarding the use of this information with non-Dulux® AcraTex® products.</small></p>	<p>Issue: 1.0 June 2013 1:2</p>


## 2.3 Internal Square Corner



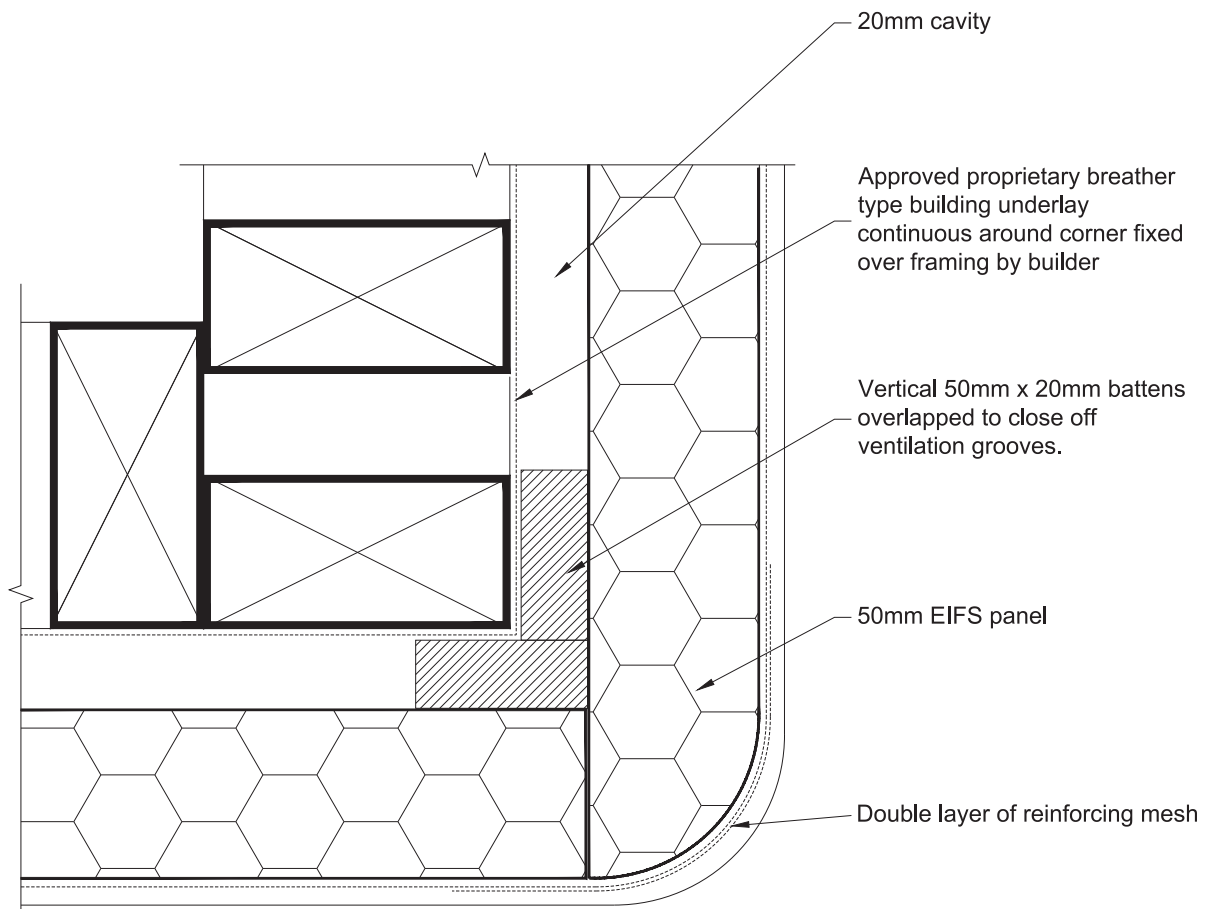
Detail: 03

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e130 eifs\_internal square corner.dwg

 <p>Exsulite EIFS Cladding System by Dulux AcraTex</p>	<p>Dulux New Zealand 150 Hutt Park Road Gracefield Wellington</p>	<p><b>Dulux® AcraTex® Exsulite EIFS Cladding System</b></p>	<p>www.dulux.co.nz</p>
	<p>Ph 0800 800 424 Fax 0800 801 424</p>	<p><b>INTERNAL SQUARE CORNER</b></p> <p>Disclaimer: This information is intended solely as a guide for use of Dulux® AcraTex® products. Before using you should ensure that the product is suitable for use in the specific application. Nothing in this information constitutes a statement of fitness for particular purpose and appropriate expert advice is to always be obtained. Dulux® AcraTex® makes no warranty regarding the use of this information with non-Dulux® AcraTex® products.</p>	<p>Issue: 1.0 June 2013 1:2</p>

## 2.4 External Round Corner



Detail: 04

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e140 eifs\_external round corner.dwg



Dulux New Zealand  
150 Hutt Park Road  
Gracefield  
Wellington

Ph 0800 800 424  
Fax 0800 801 424

**Dulux® AcraTex® Exsulite EIFS Cladding System**

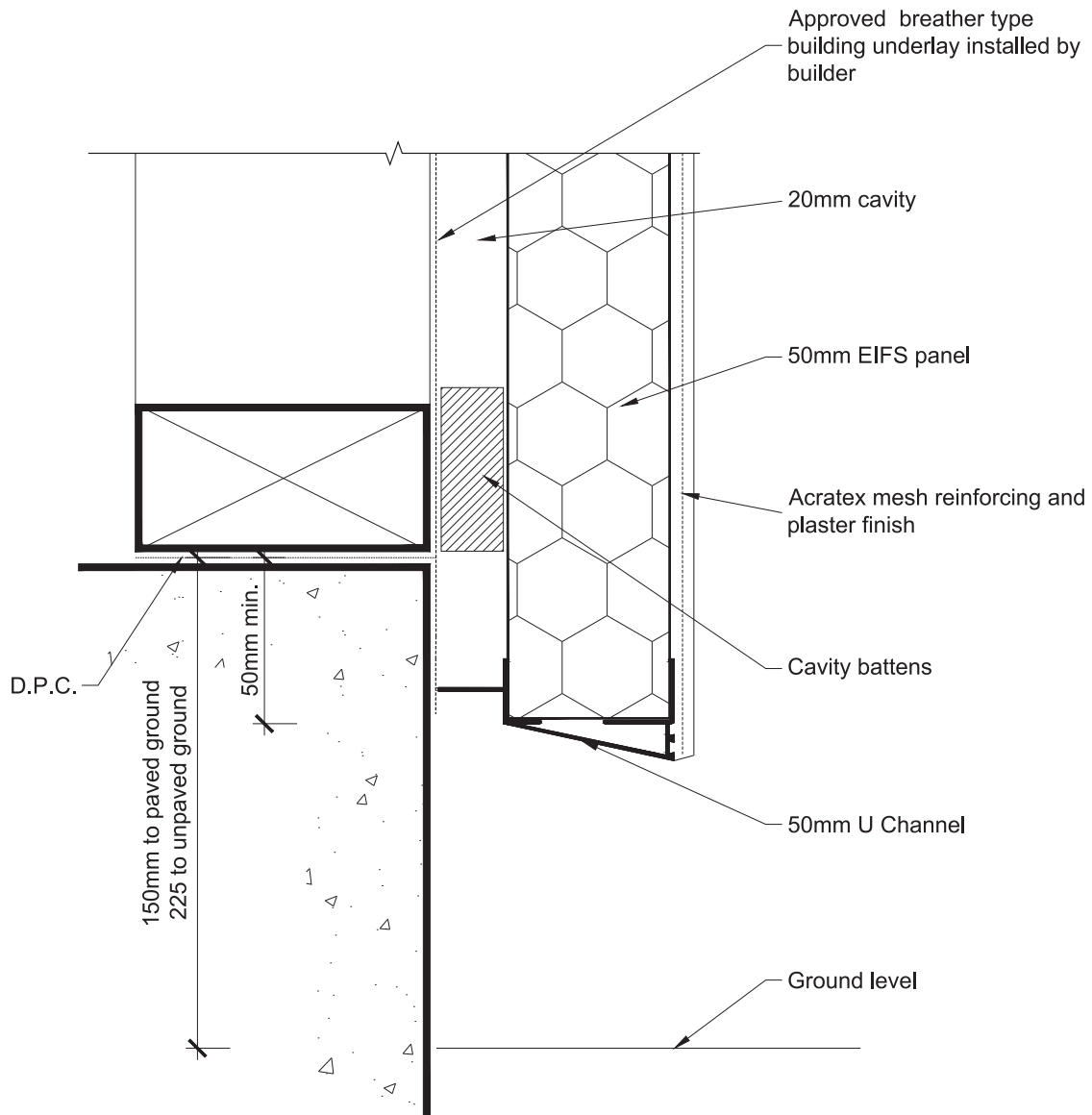
www.dulux.co.nz

**EXTERNAL ROUND CORNER**

Issue: 1.0  
June 2013  
1:2

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## 2.5 Concrete Slab Floor



Note:  
Punchings in base bead provide ventilation openings of 1000mm<sup>2</sup> per lineal metre

Detail: 05

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e160 eifs\_concrete slab floor.dwg



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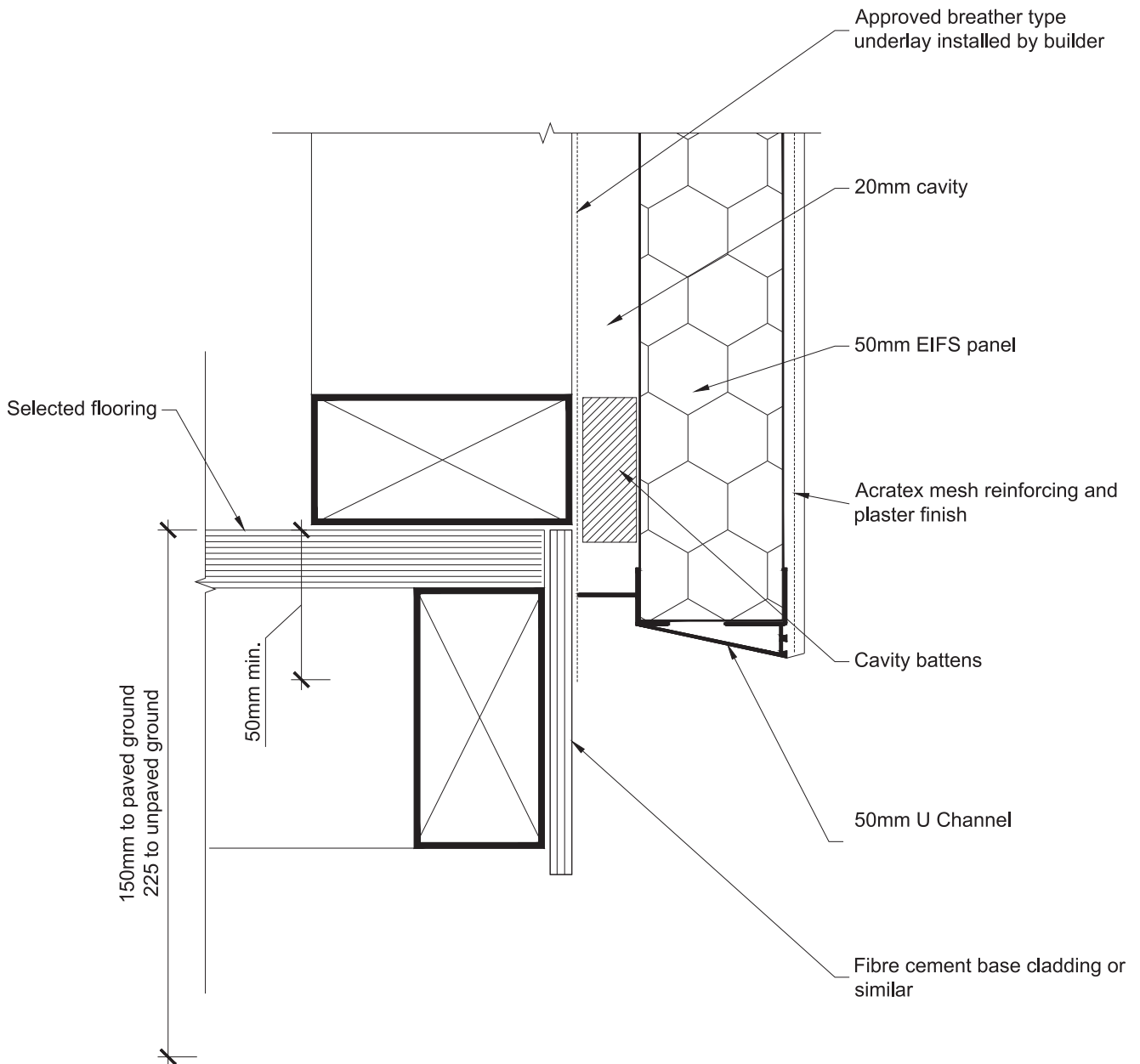
Issue: 1.0  
June 2013  
1:2

CONCRETE SLAB FLOOR

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## 2.6 Timber Floor Foundation



Detail: 06

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e180 eifs\_timber floor foundation.dwg



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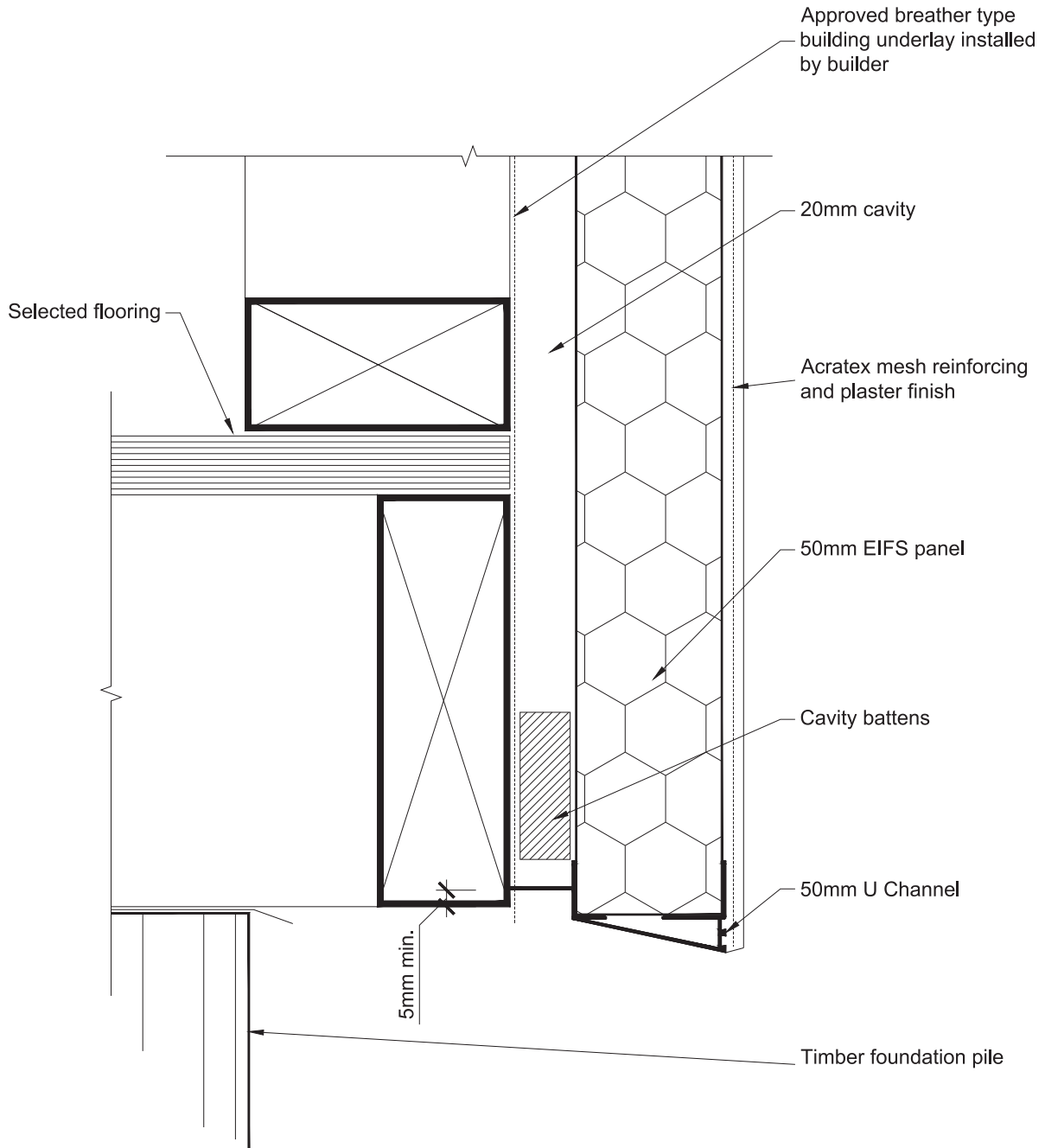
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#### TIMBER FLOOR FOUNDATION

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## 2.7 Timber Sub Floor Finish



Detail: 07

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e190 eifs\_timber sub floor finish.dwg



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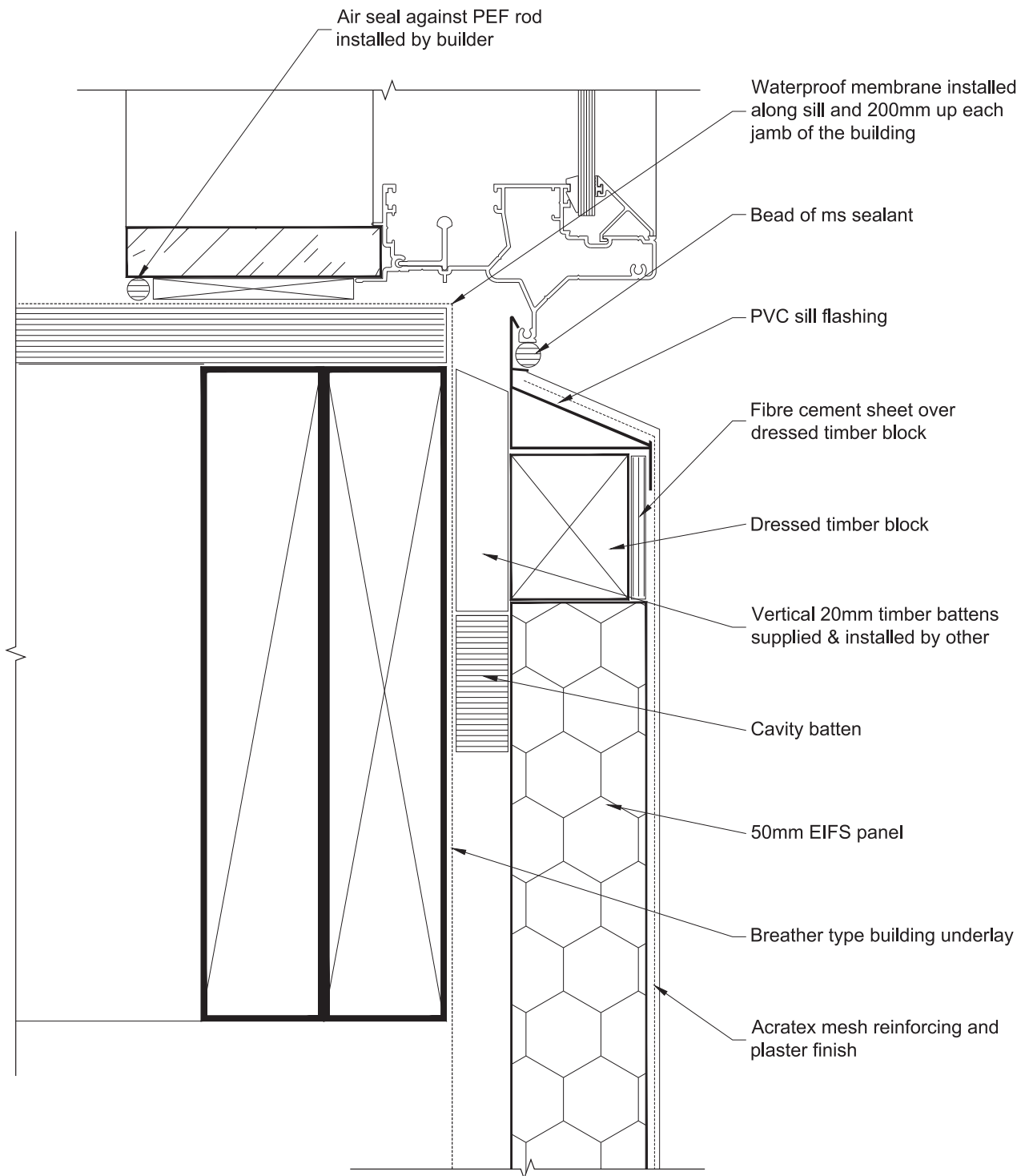
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TIMBER SUB FLOOR FINISH

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## 2.8 Door Sill



Detail: 08

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e200 eifs\_door sill.dwg



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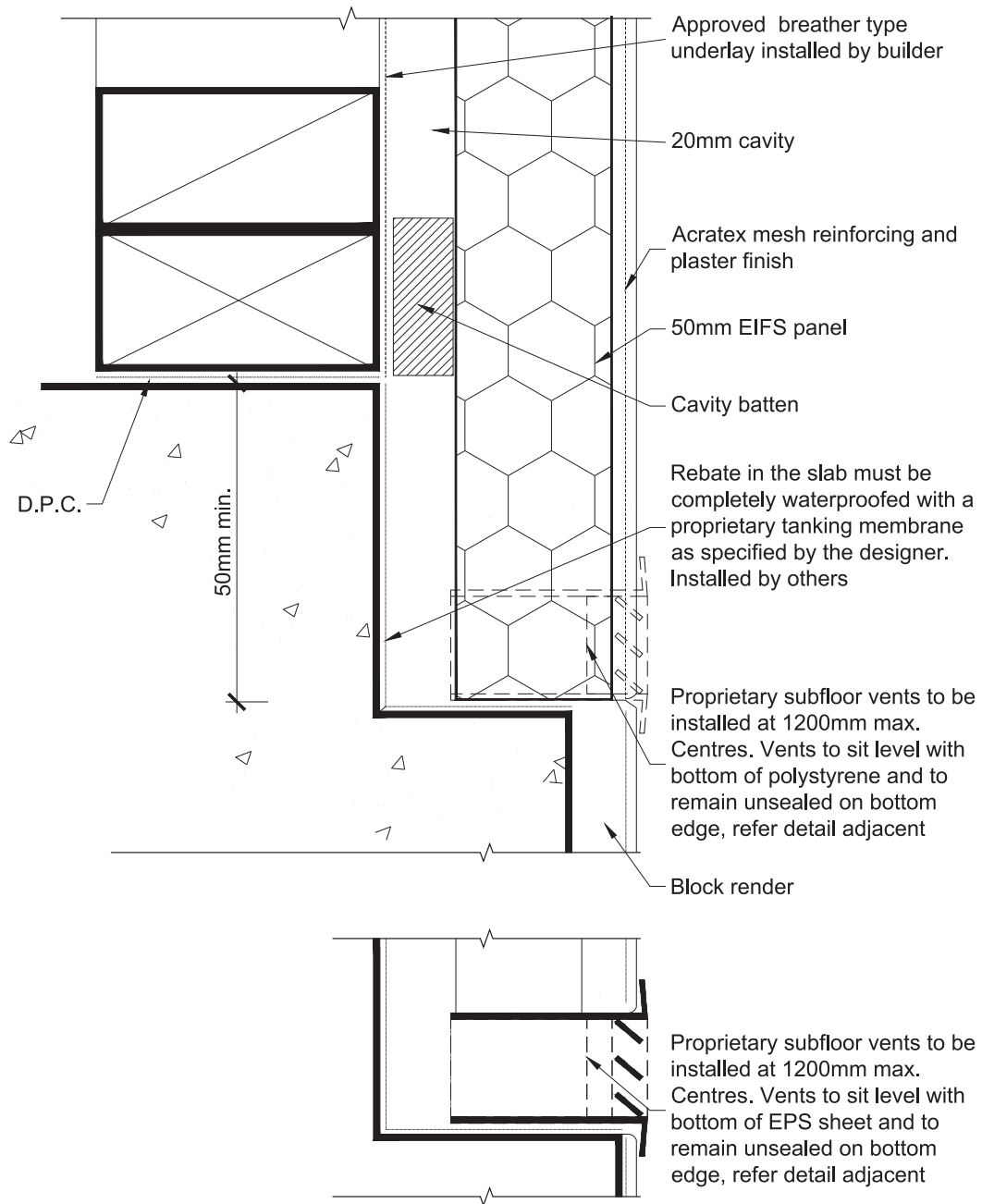
**DOOR SILL**

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1:2

## 2.9 Rebated Concrete Slab Floor



Typical Vent Detail

Detail: 09

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e220 eifs\_rebated concrete slab floor.dwg



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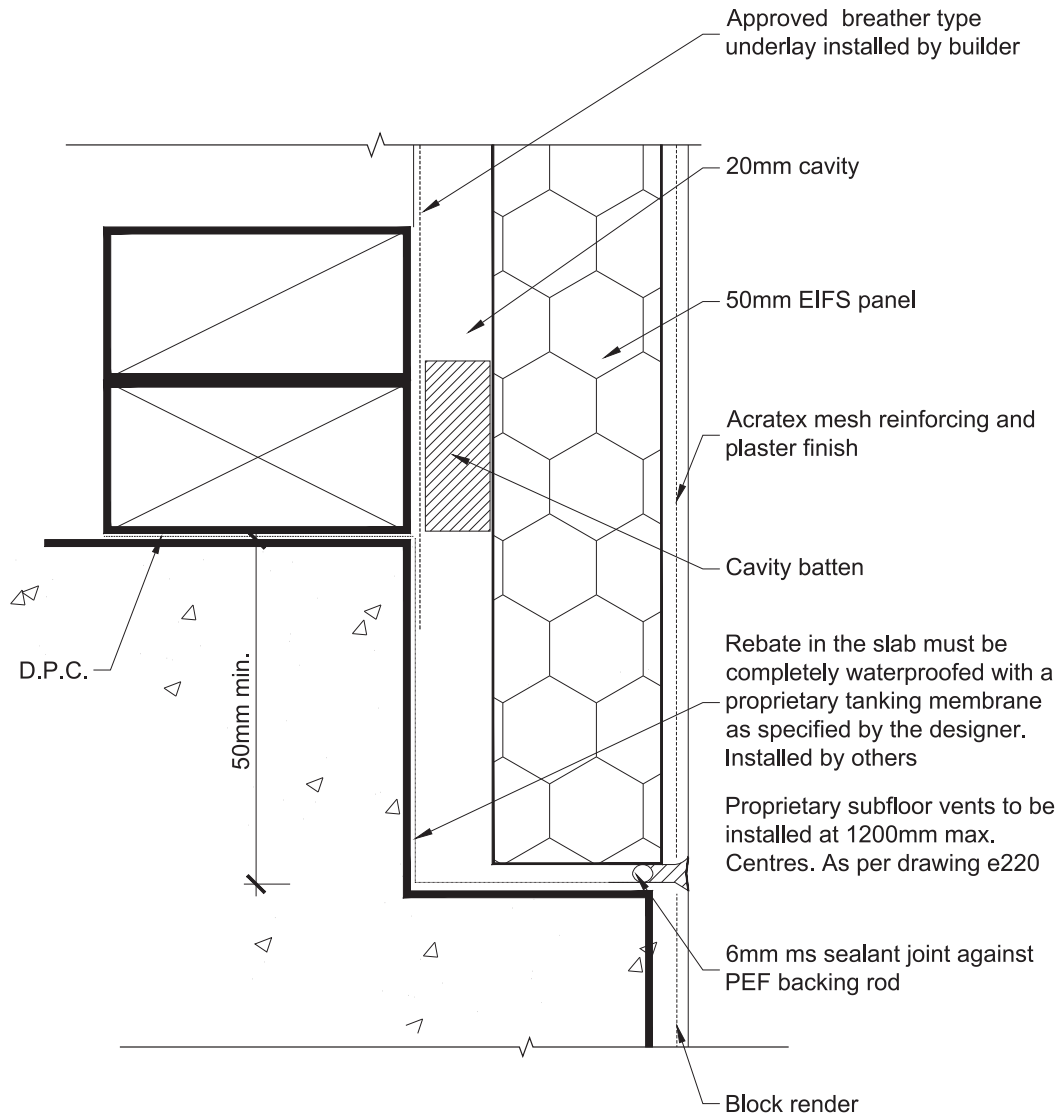
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REBATED CONCRETE SLAB FLOOR

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## 2.10 Rebated Concrete Slab Floor



Note: In between subfloor vents

Detail: 10

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e22a eifs\_rebated concrete slab floor.dwg



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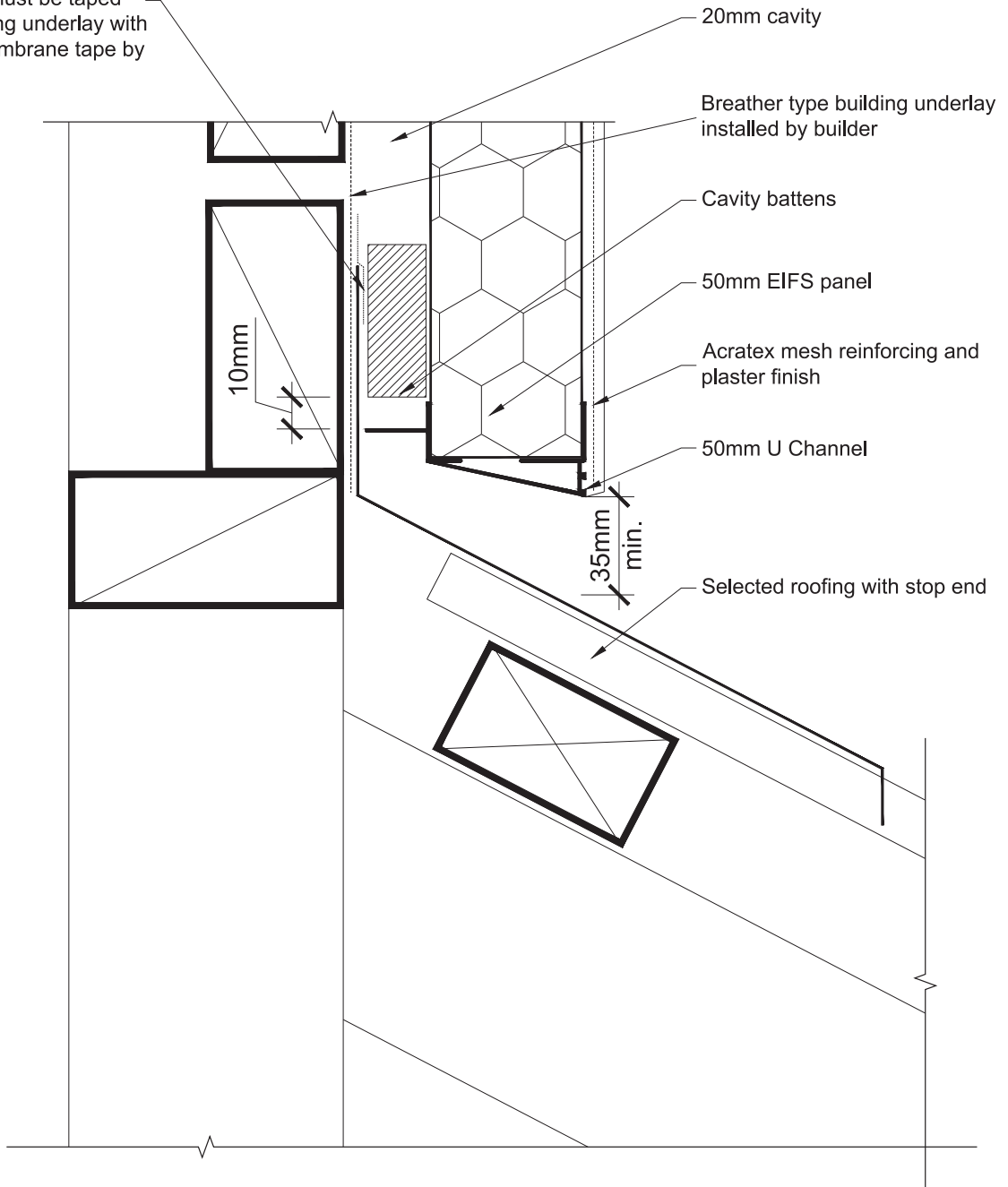
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## 2.11 Roof Wall Junction


Flashing must extend a minimum of 75mm behind cladding and must be taped onto the building underlay with waterproof membrane tape by builder



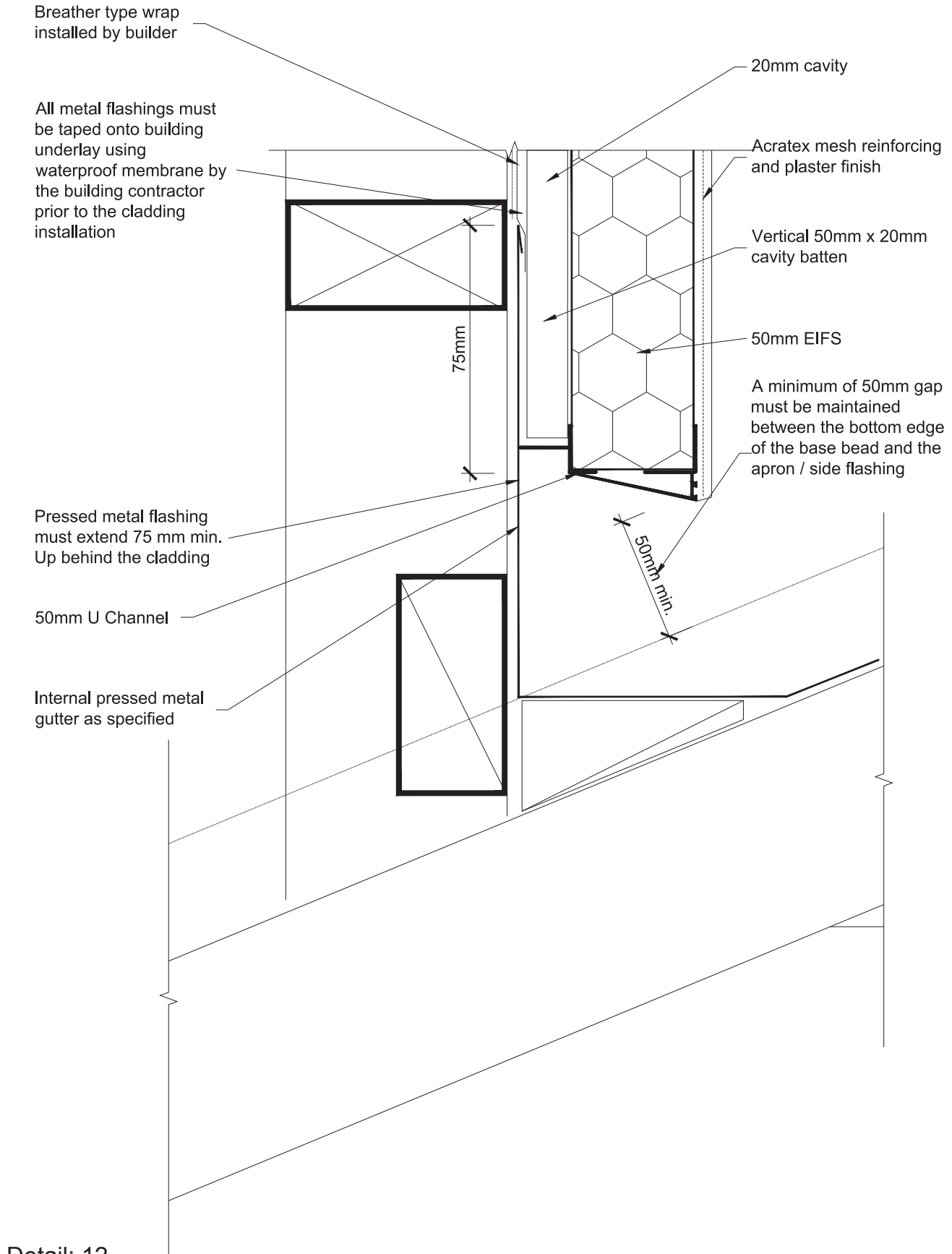
Detail: 11

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e230\_eifs\_roof wall junction.dwg

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## 2.12 Hidden Gutter



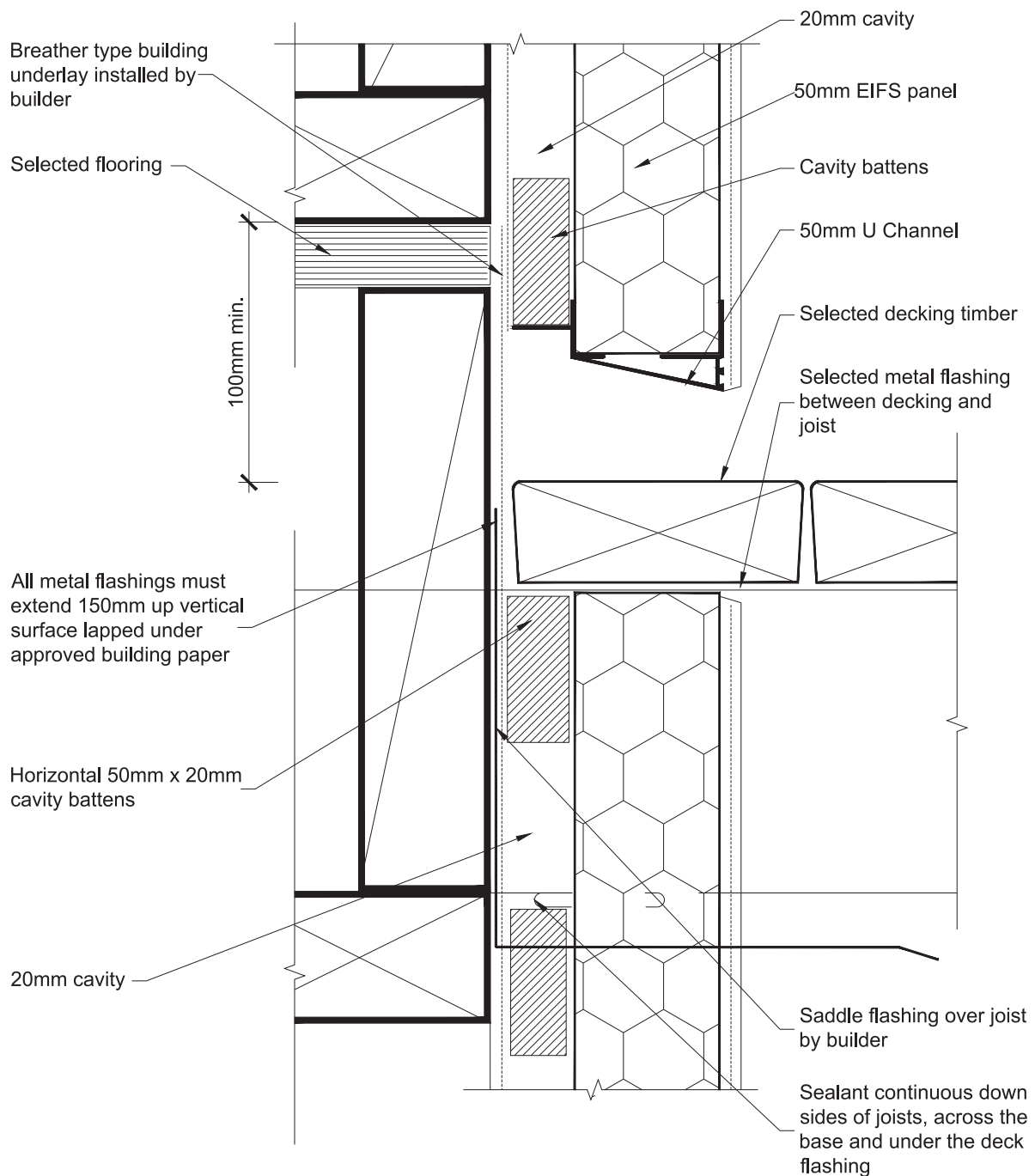
Detail: 12

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e240 eifs\_hidden gutter.dwg

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## 2.13 Cantilevered Joists EIFS - Timber Deck



**Note !**  
 Design of flashings around cantilevered floor joists is the responsibility of the designer. Installation is the responsibility of the building contractor

### Detail: 13

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e250 eifs\_cantilevered joists eifs - timber deck.dwg



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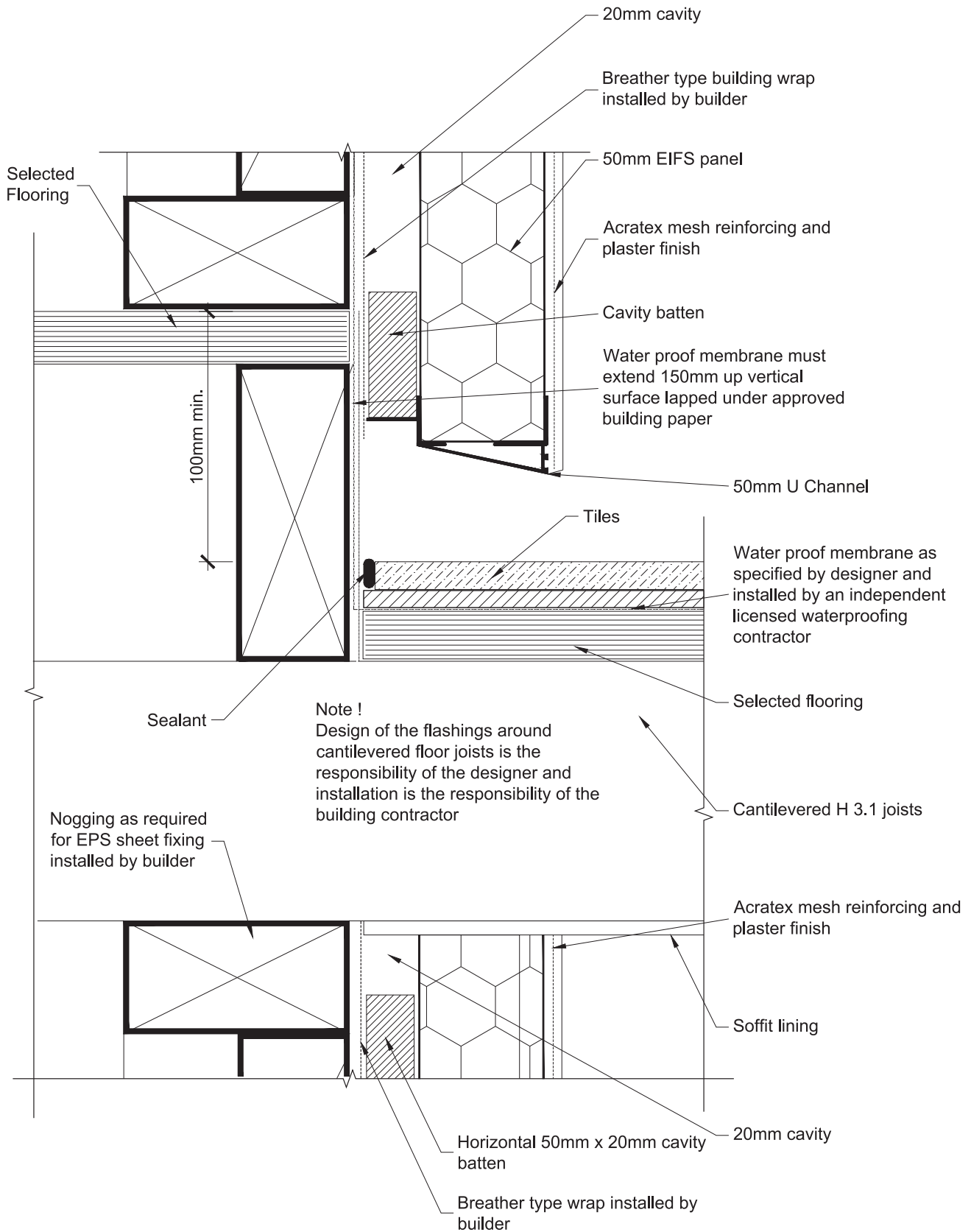
#### CANTILEVERED JOISTS EIFS - TIMBER DECK

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# 2.14 Cantilevered Joists



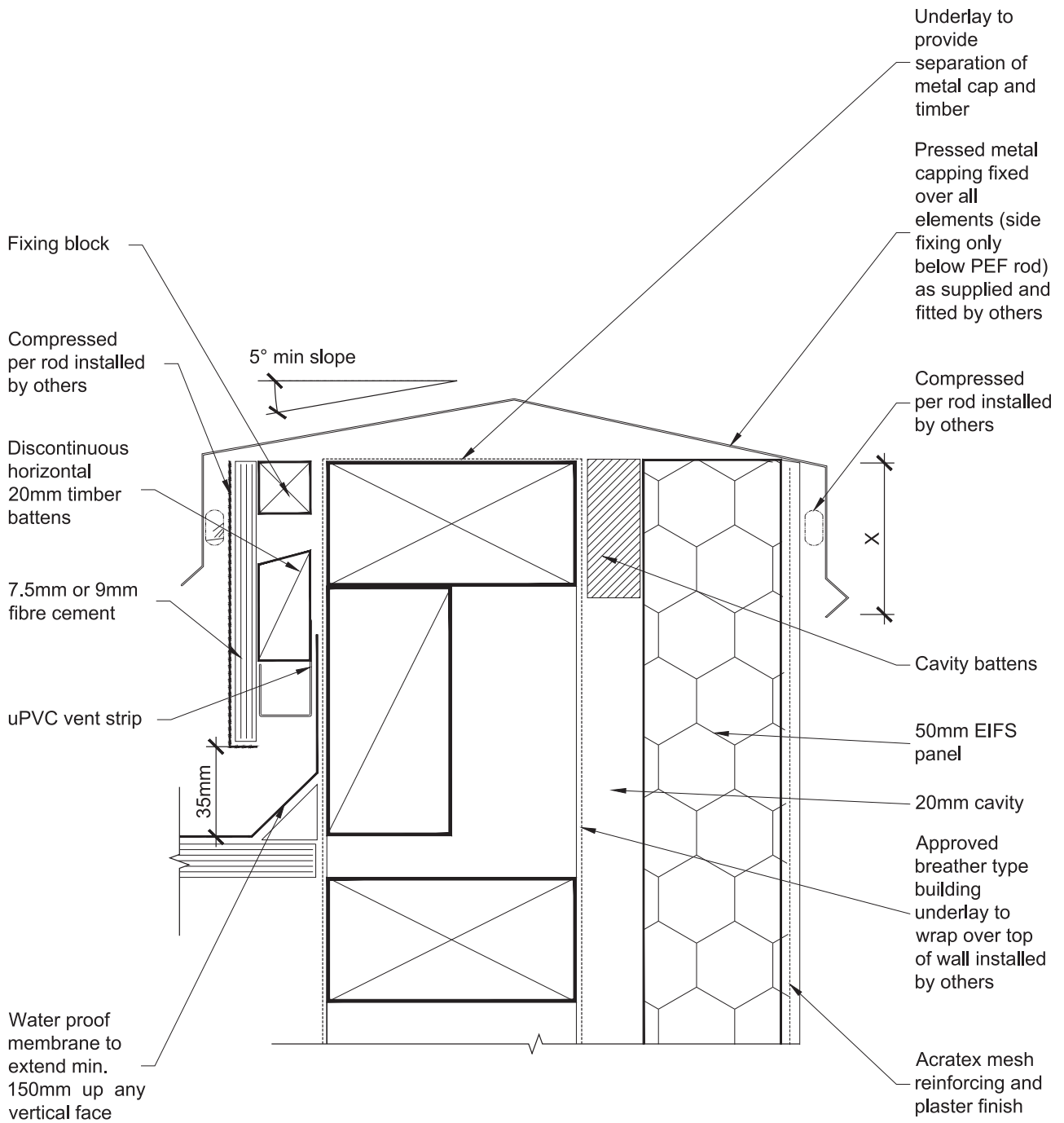
Detail: 14

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e260 eifs\_cantilevered joists.dwg

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		<p><b>CANTILEVERED JOISTS</b></p> <p>Issue: 1.0 June 2013 1:2</p>	
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## 2.15 Parapet Metal Capping



X = variable according to windzone refer to E2/AS1, Table 7.

### Detail: 15

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e270 eifs\_parapet metal capping.dwg



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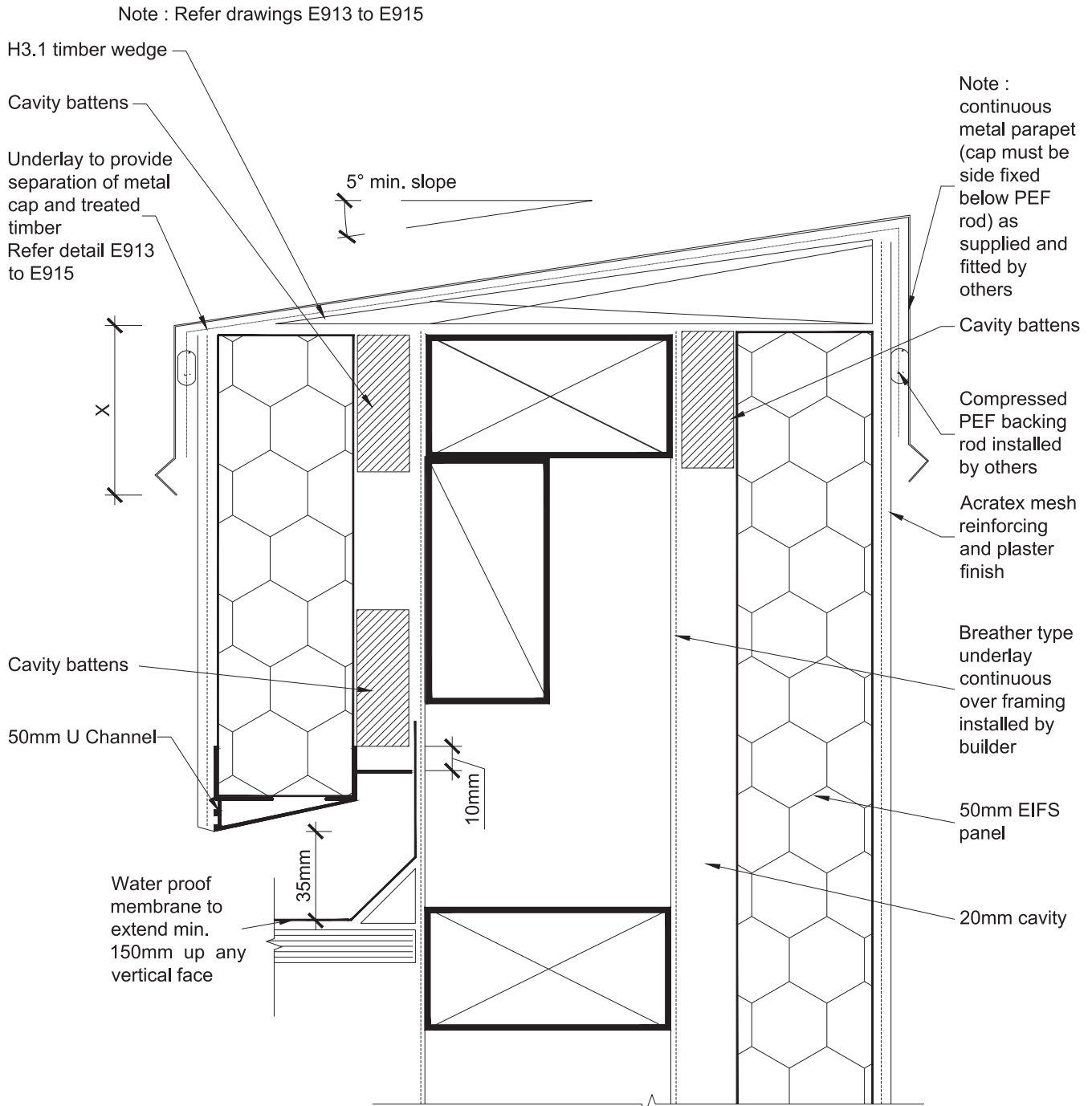
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#### PARAPET METAL CAPPING

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# 2.16 Parapet Metal Capping



Note :  
If roof is being used as an internal gutter, the cladding must be min. 100mm above membrane surface

X = variable according to windzone refer to e2/as1, table 7.

## Detail: 16

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e280 eifs\_parapet metal capping.dwg



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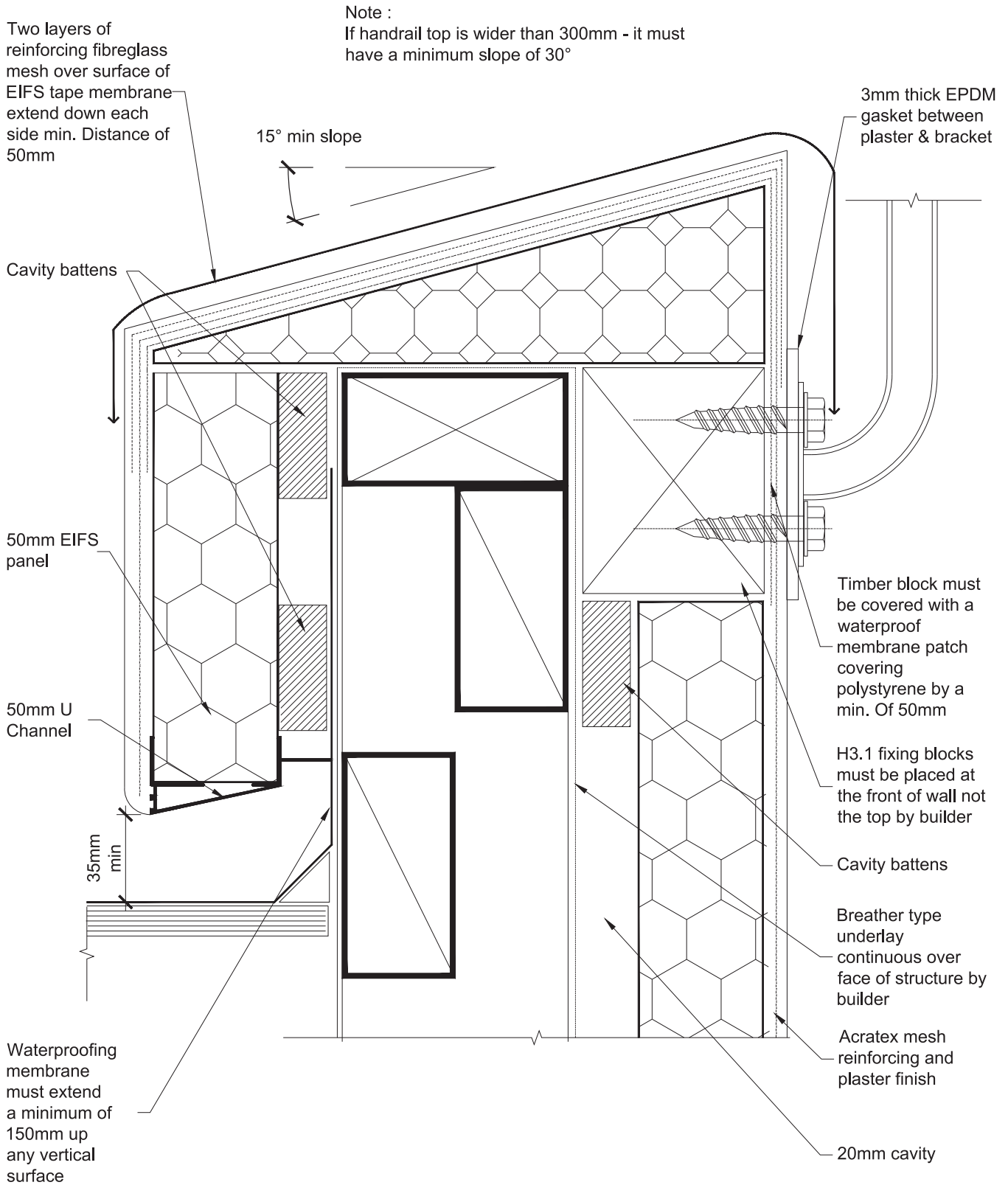
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#### PARAPET METAL CAPPING

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# 2.17 Balcony Capping



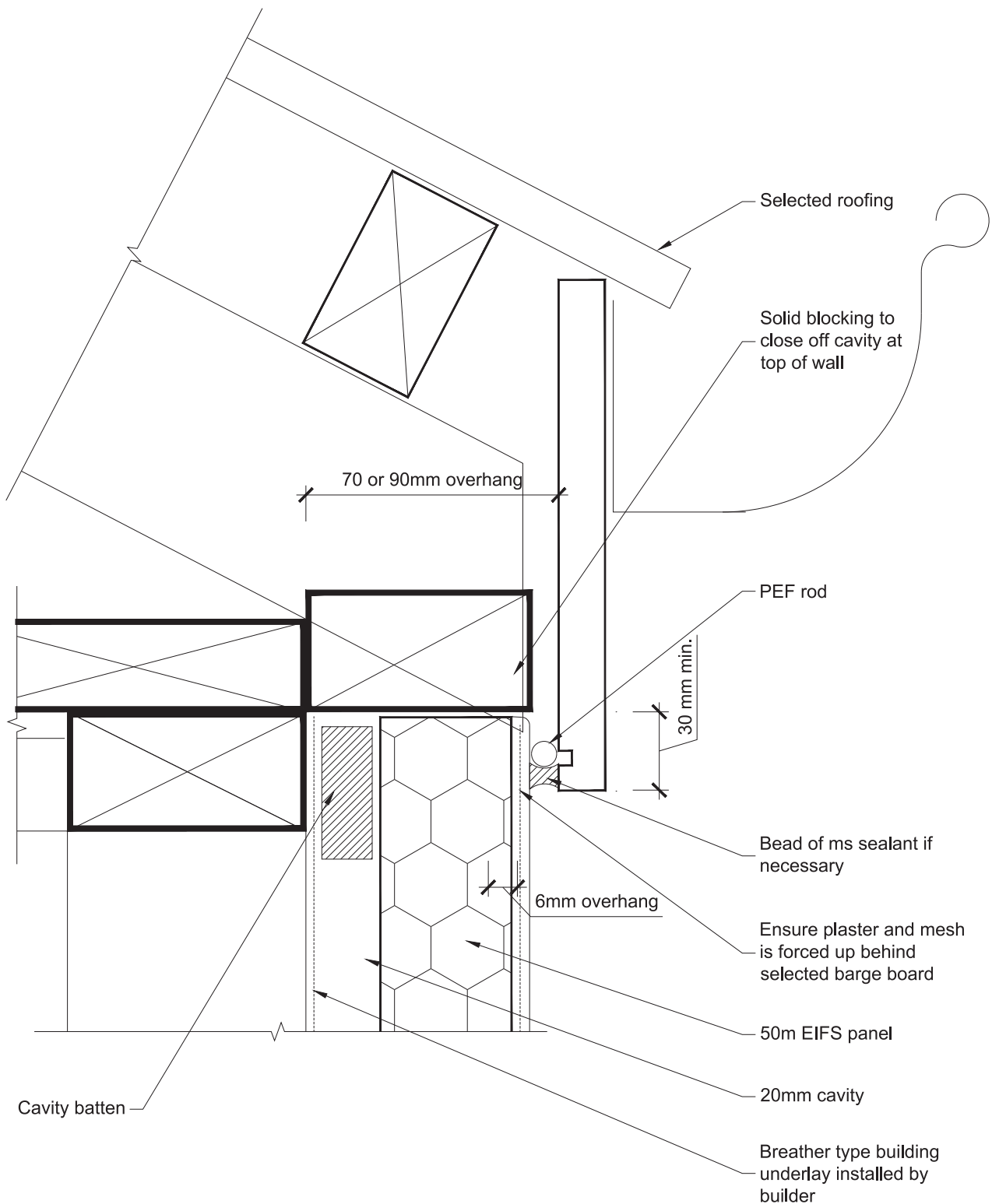
Detail: 17

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e300 eifs\_balcony capping.dwg

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## 2.18 Flush Eaves Gutter



Detail: 18

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e310 eifs\_flush eaves gutter.dwg



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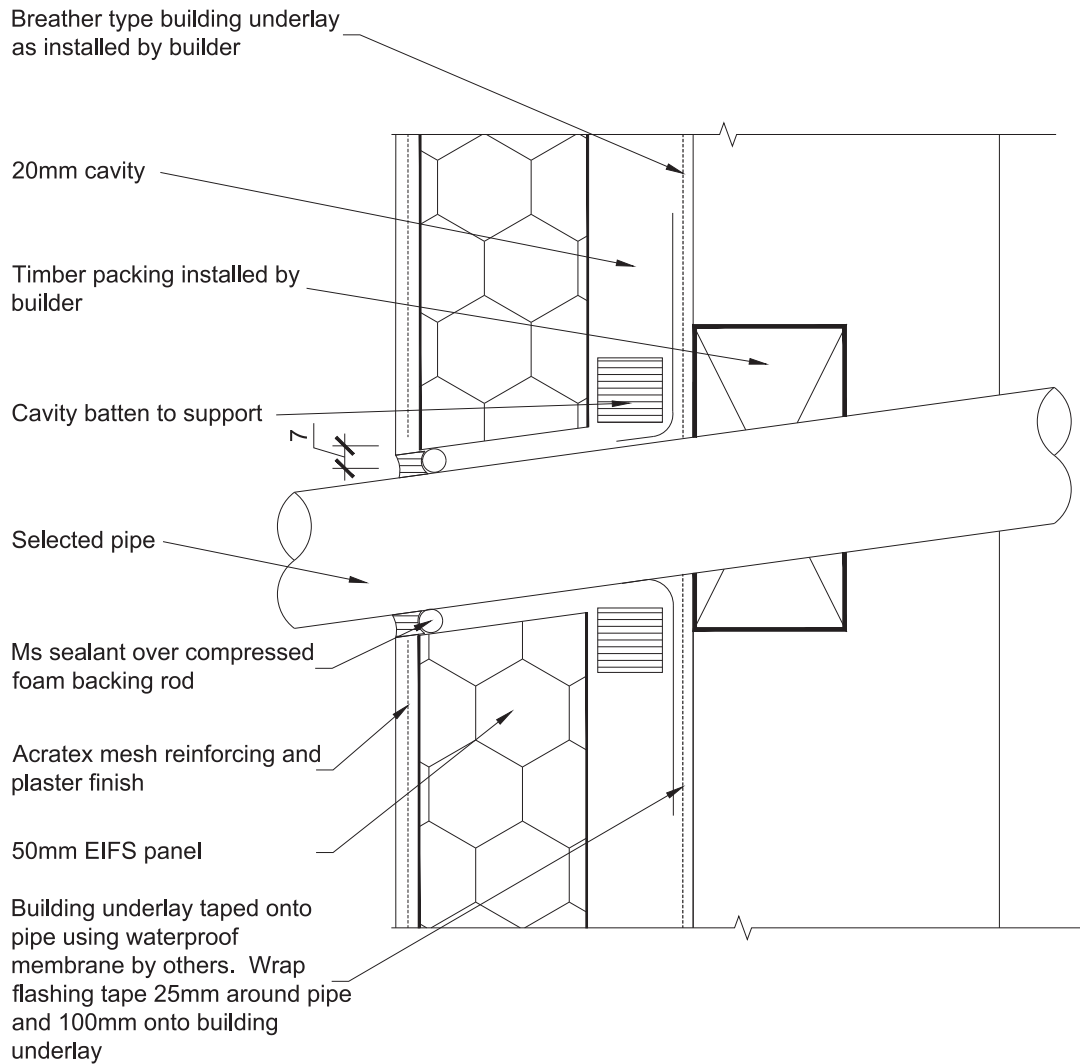
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FLUSH EAVES GUTTER

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## 2.19 Pipe Penetration




Comment: where possible pipe penetrations should be installed sloping down

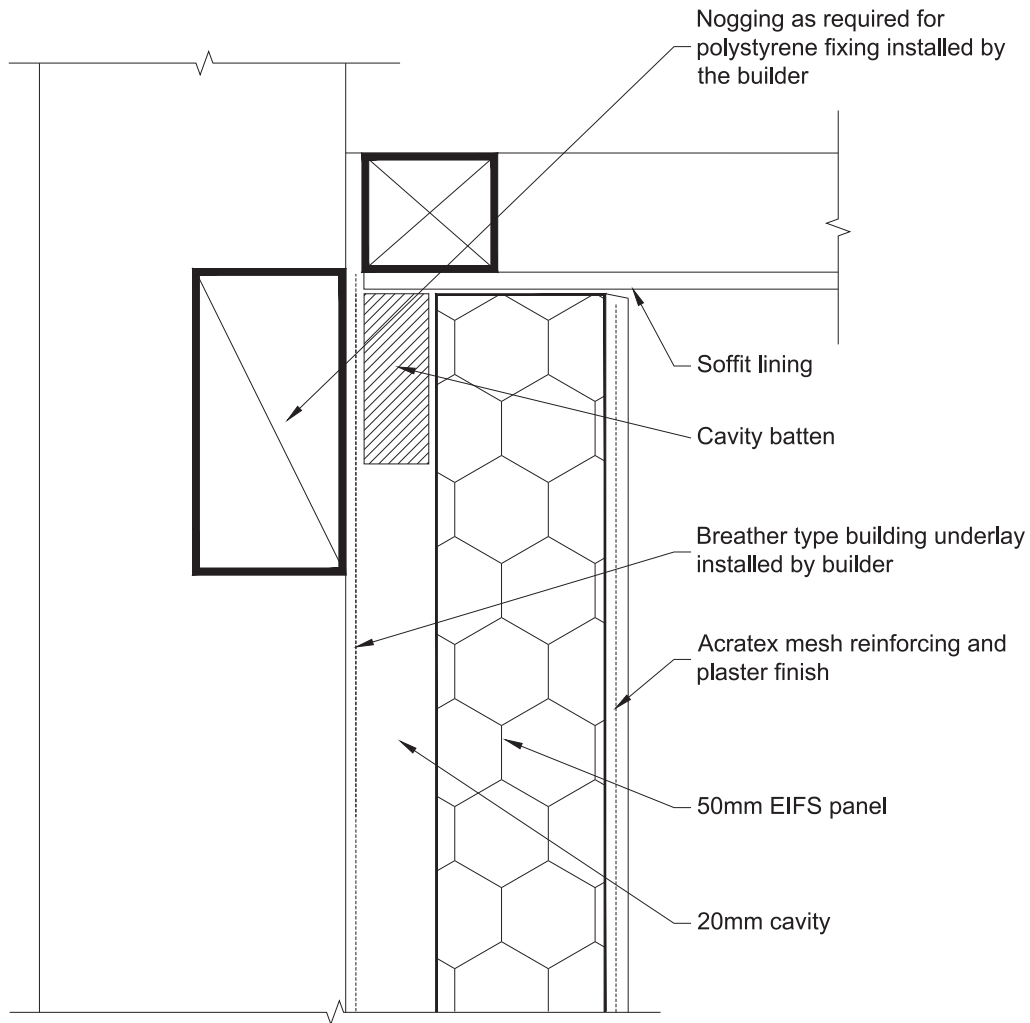
### Detail: 19

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e320 eifs\_pipe penetration.dwg

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## 2.20 Soffit Detail




**Note !**  
Cavity must not be allowed to vent into roof space

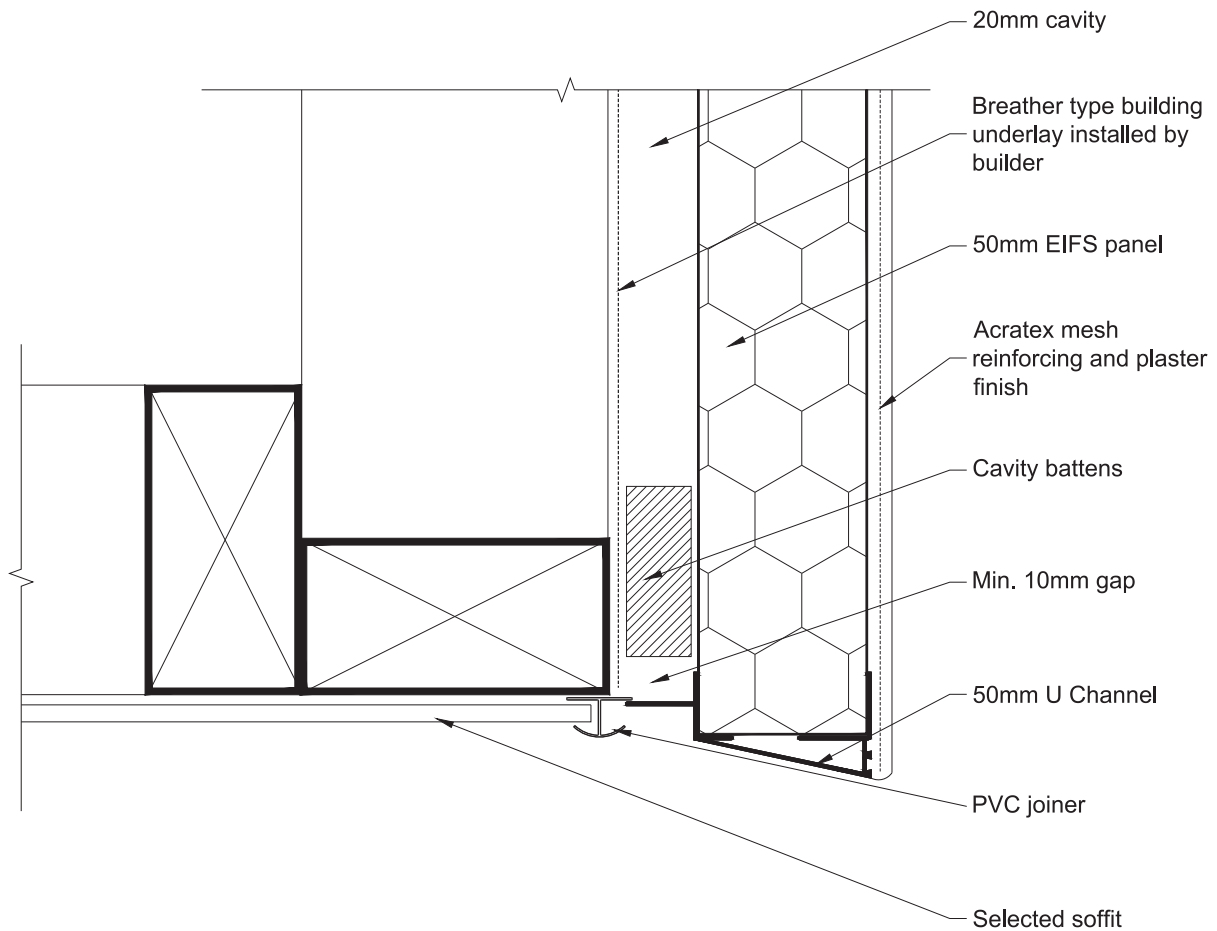
### Detail: 20

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e330 eifs\_soffit detail.dwg

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## 2.21 Soffit Edge Detail



### Detail: 21

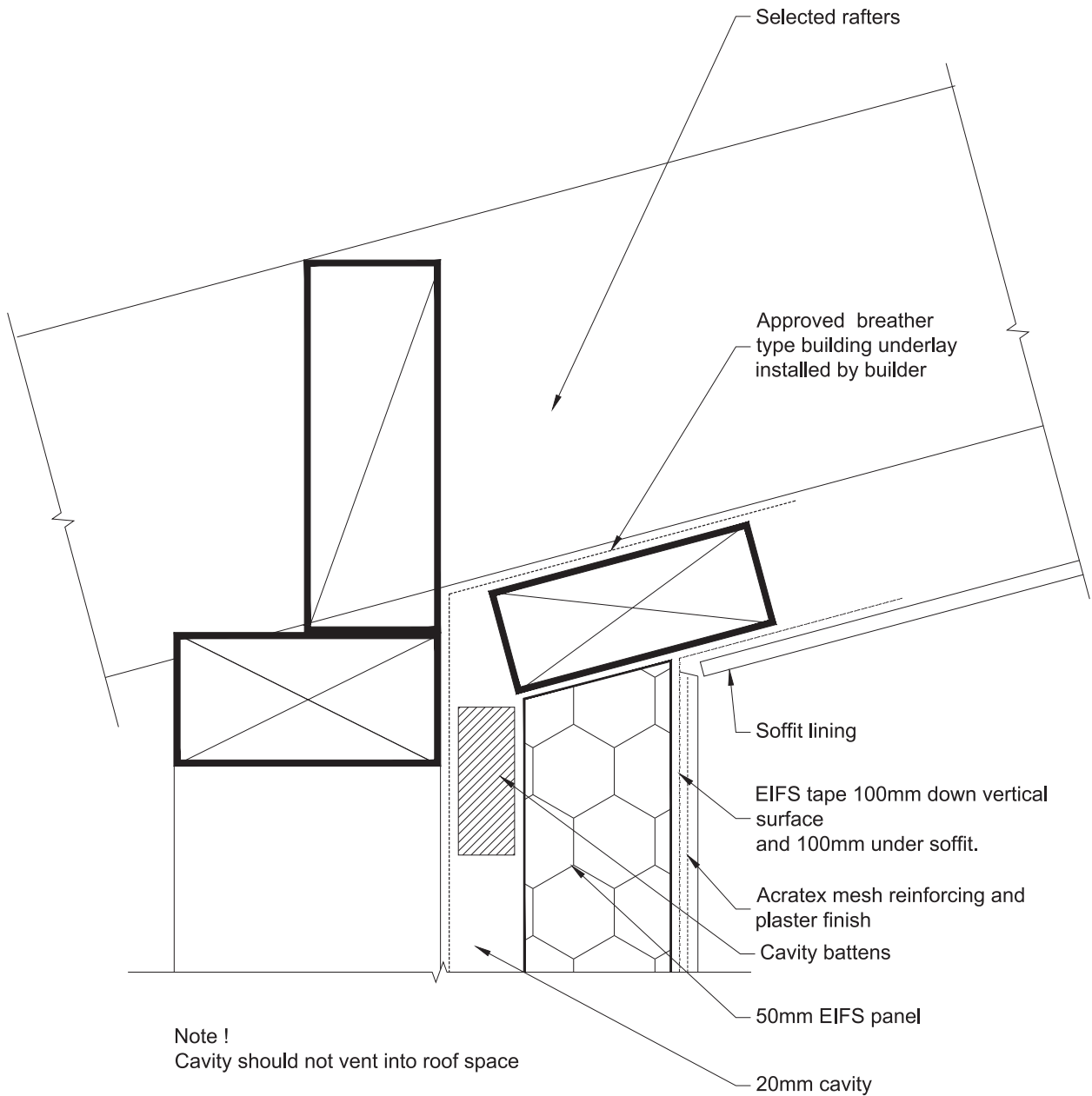
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e340 eifs\_soffit edge detail.dwg

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## 2.22 Soffit



### Detail: 22

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e350 eifs\_soffit.dwg



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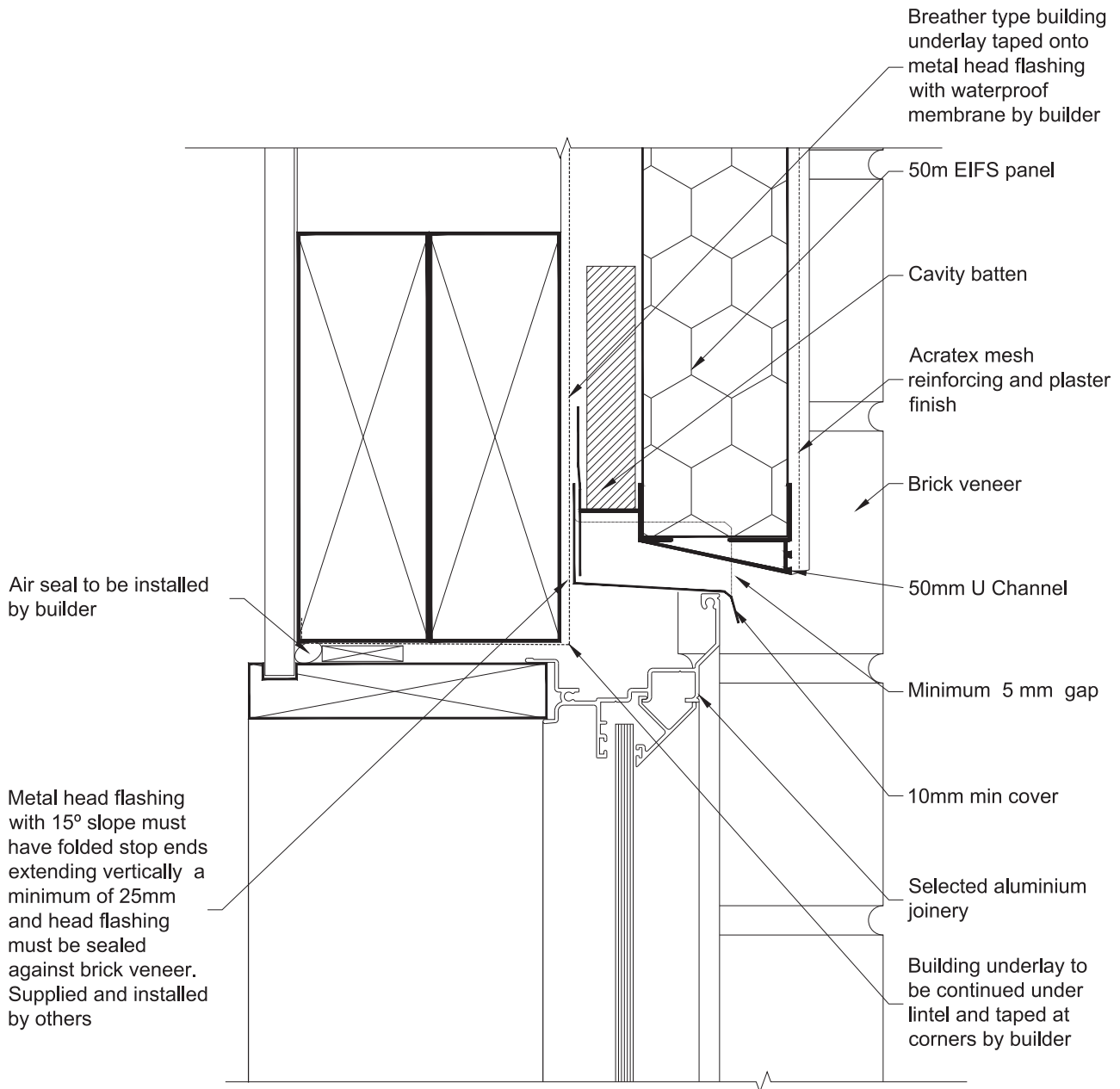
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#### SOFFIT

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## 2.23 Brick Recessed Joinery EIFS Head



### Detail: 23

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e360 eifs\_brick recessed joinery eifs\_head.dwg



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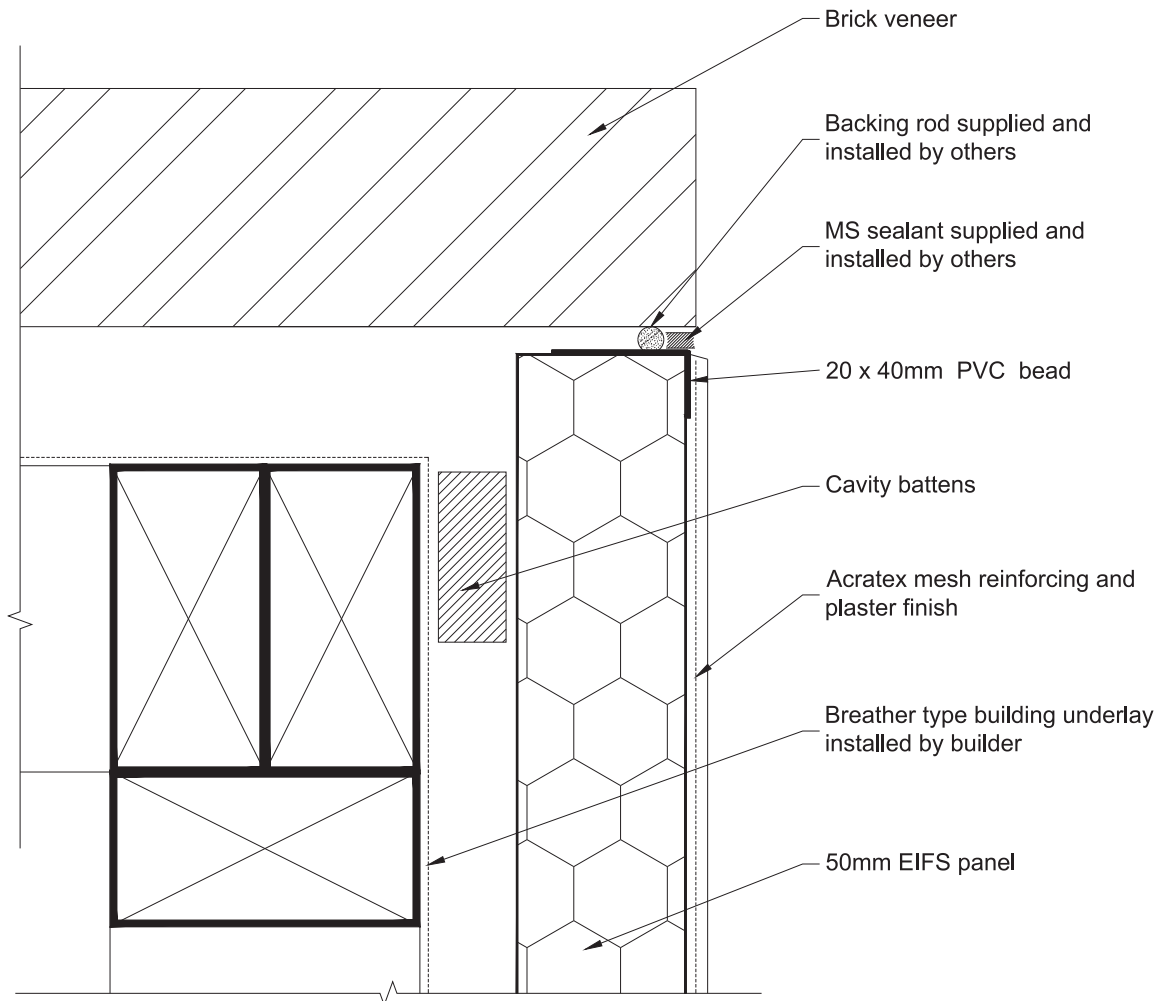
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#### BRICK RECESSED JOINERY EIFS\_HEAD

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## 2.24 Exterior Brick Corner



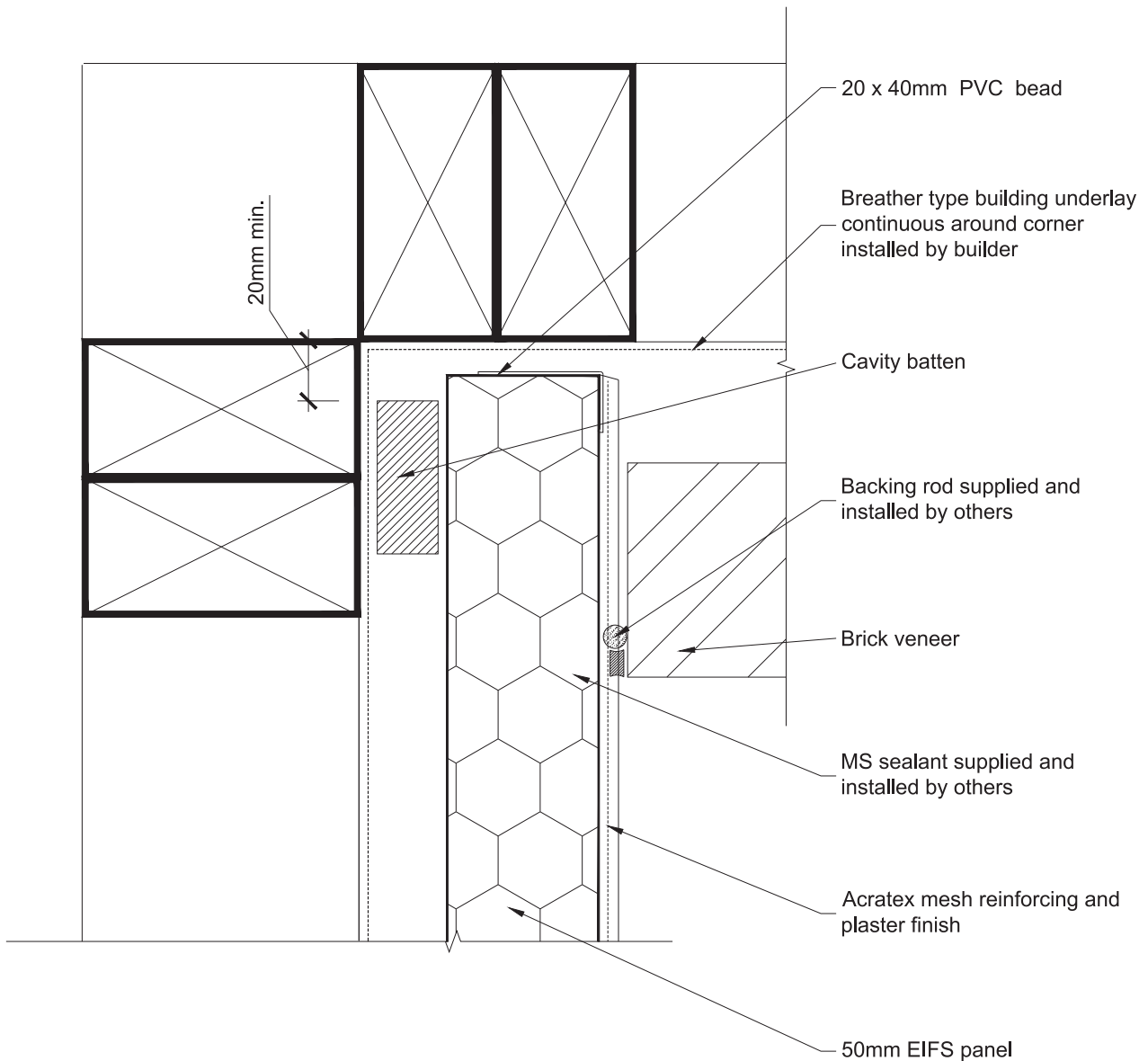
Detail: 24

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e370 eifs\_exterior brick corner.dwg

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## 2.25 Interior Brick Corner



Detail: 25

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e380 eifs\_interior brick corner.dwg



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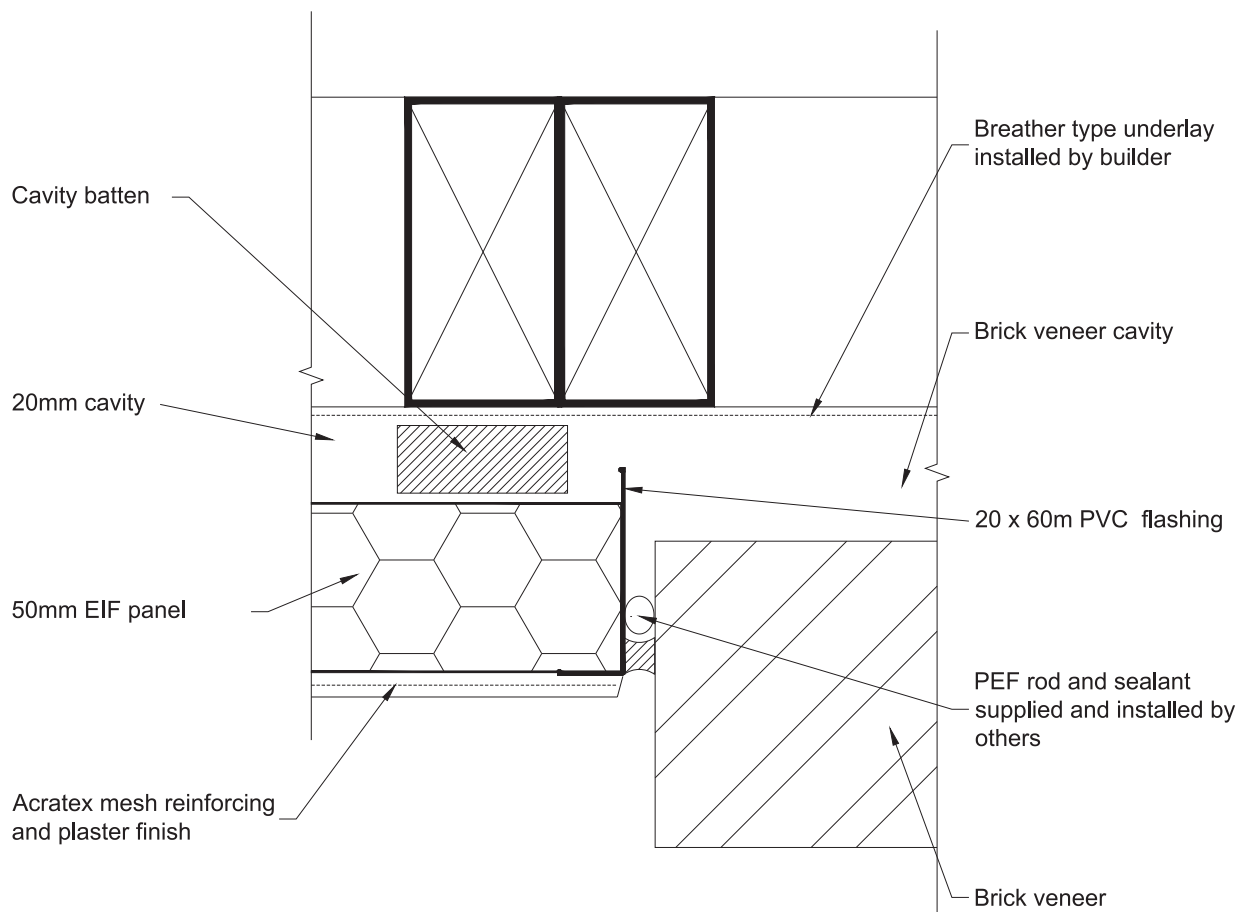
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INTERIOR BRICK CORNER

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## 2.26 Vertical Brick Junction



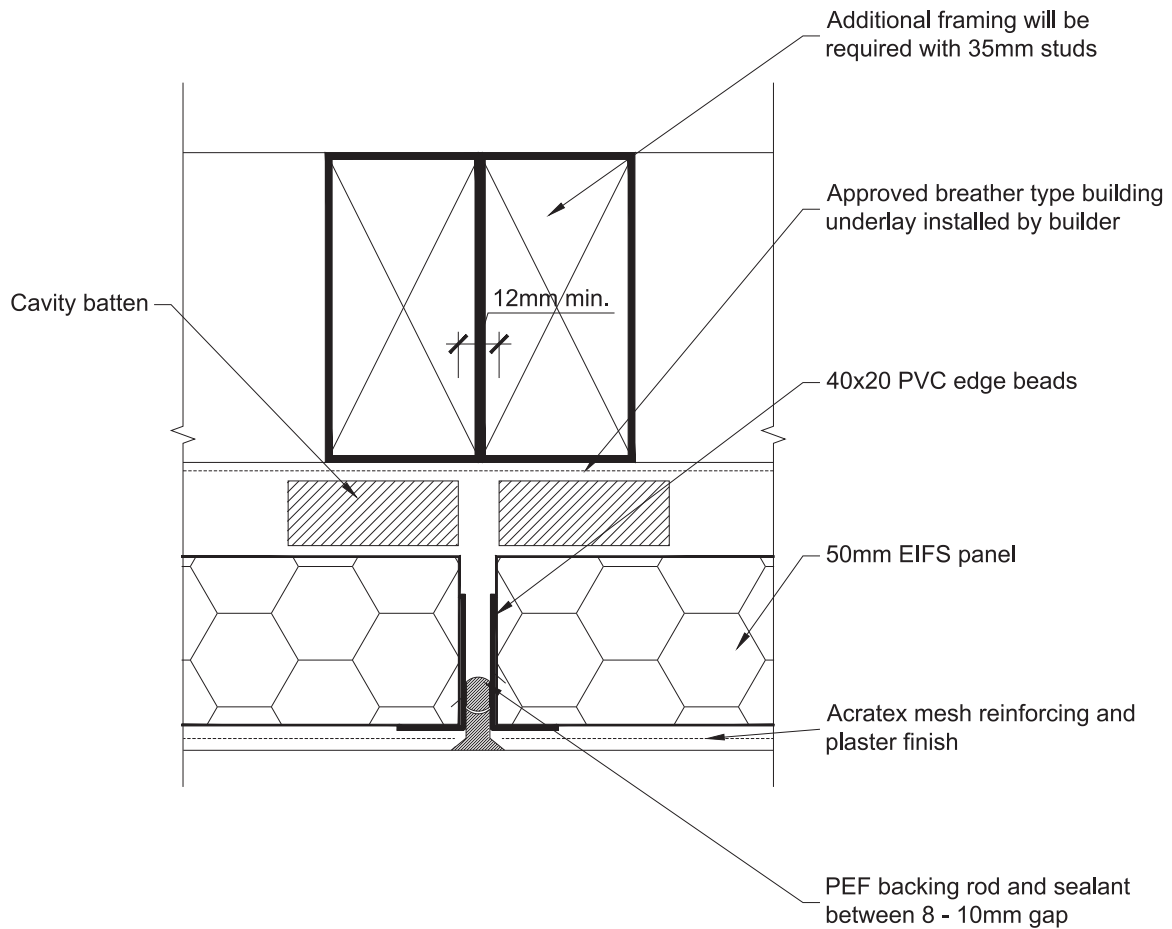
### Detail: 26

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e390\_eifs\_vertical\_brick\_junction.dwg

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## 2.27 Vertical Control Joint



Detail: 27

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e400 eifs\_vertical control joint.dwg



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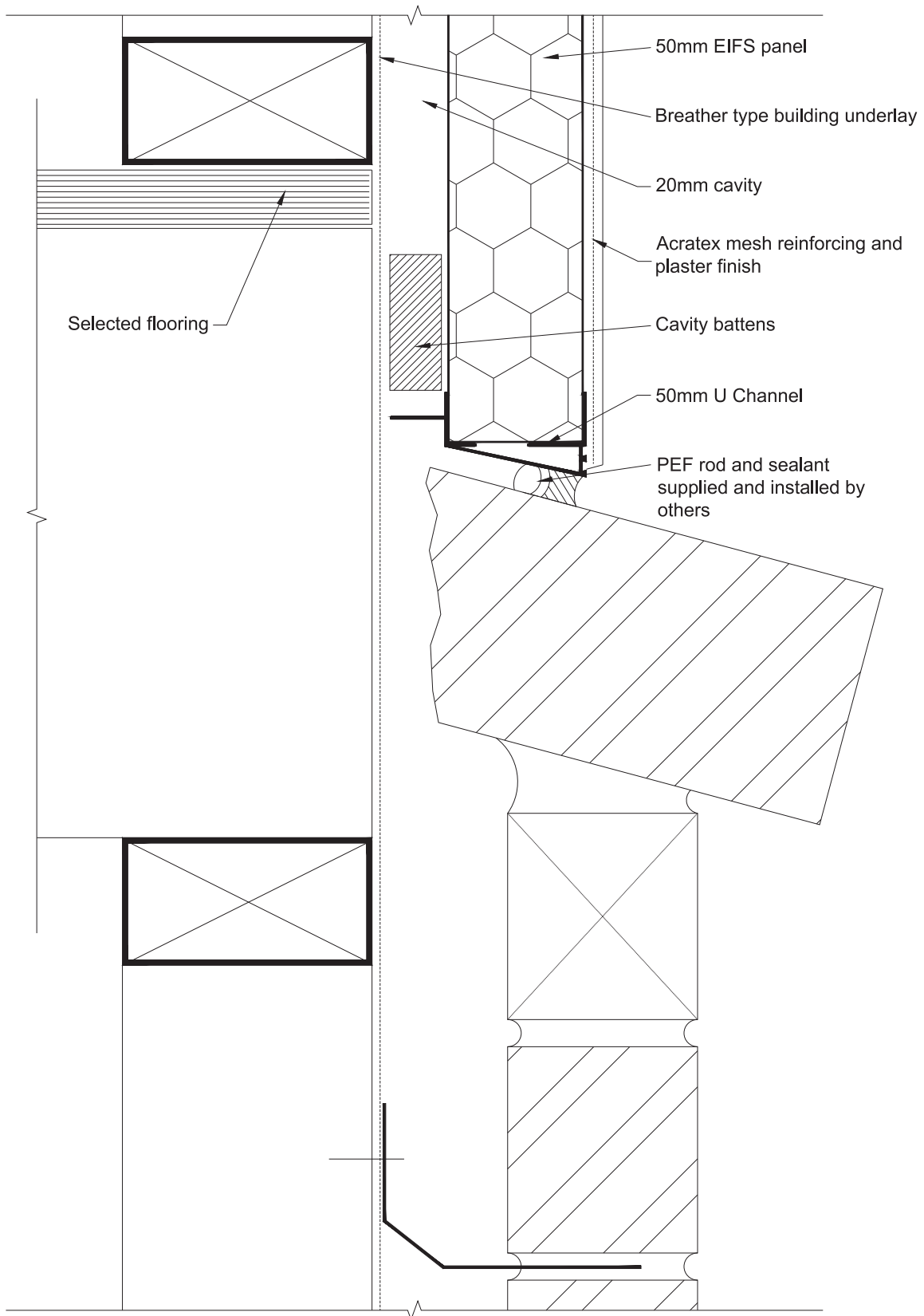
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VERTICAL CONTROL JOINT

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June 2013  
1:2

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## 2.28 Horizontal Brick Junction



Detail: 28

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e420 eifs\_horizontal brick junction.dwg



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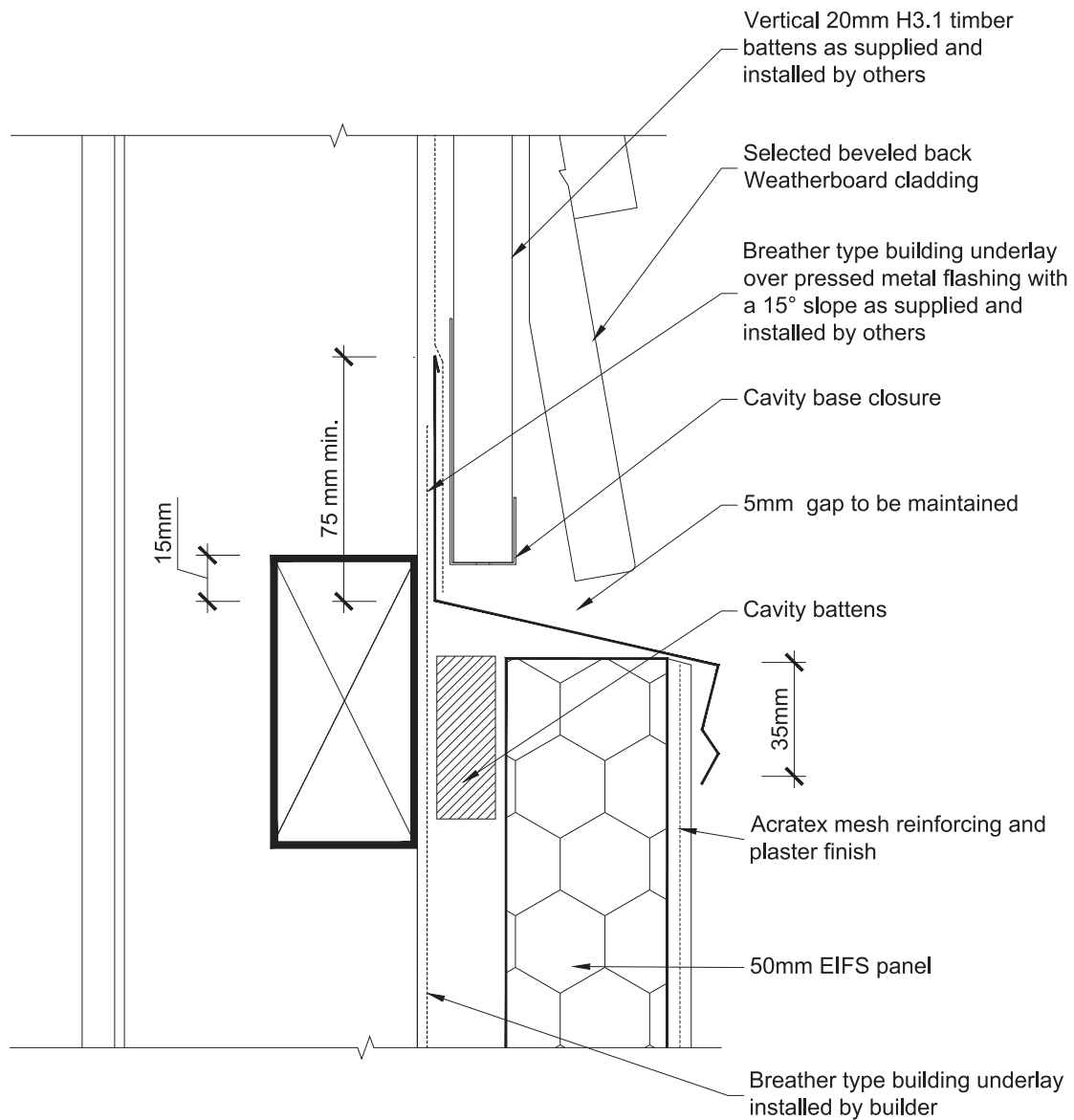
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January 2017  
1:2

**HORIZONTAL BRICK JUNCTION**

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## 2.29 Horizontal Weatherboard Junction



### Detail: 29

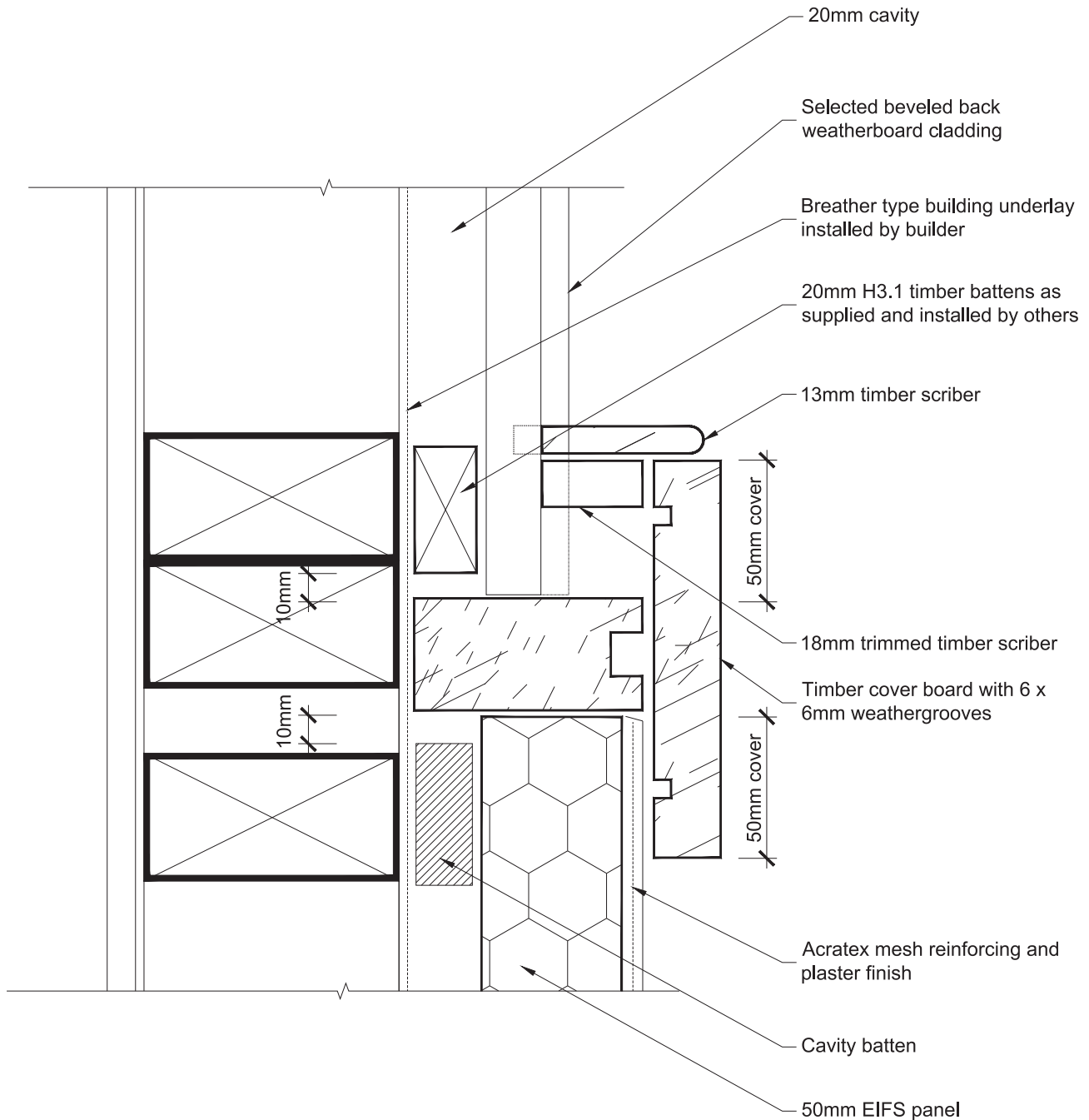
This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e430 eifs\_horizontal weatherboard junction.dwg

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	<p><small>This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.</small></p>	



## 2.30 Vertical Weatherboard Junction



Detail: 30

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e440 eifs\_vertical weatherboard junction.dwg



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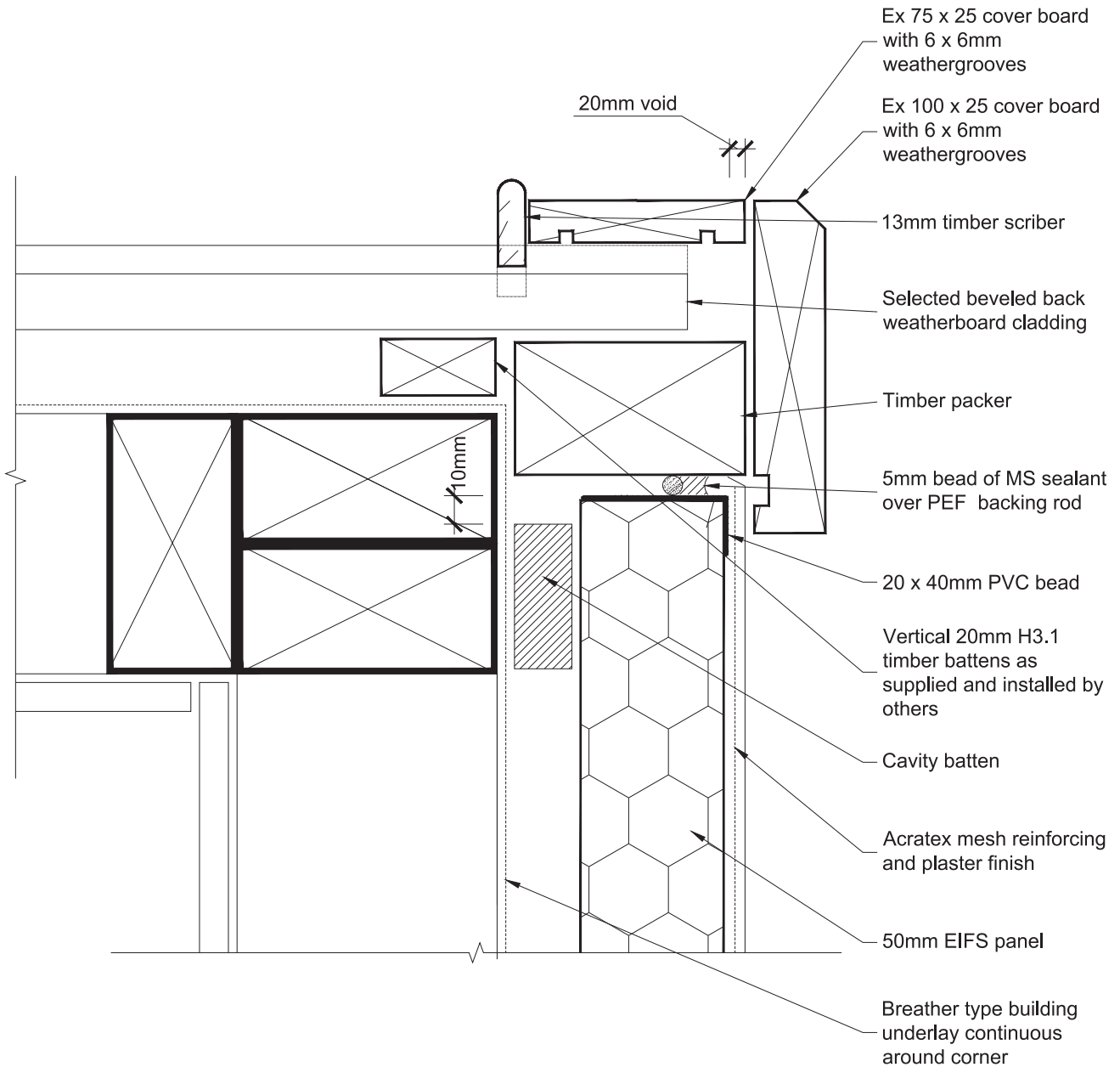
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**VERTICAL WEATHERBOARD JUNCTION**

Issue: 1.0  
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## 2.31 Weatherboard Exterior Corner



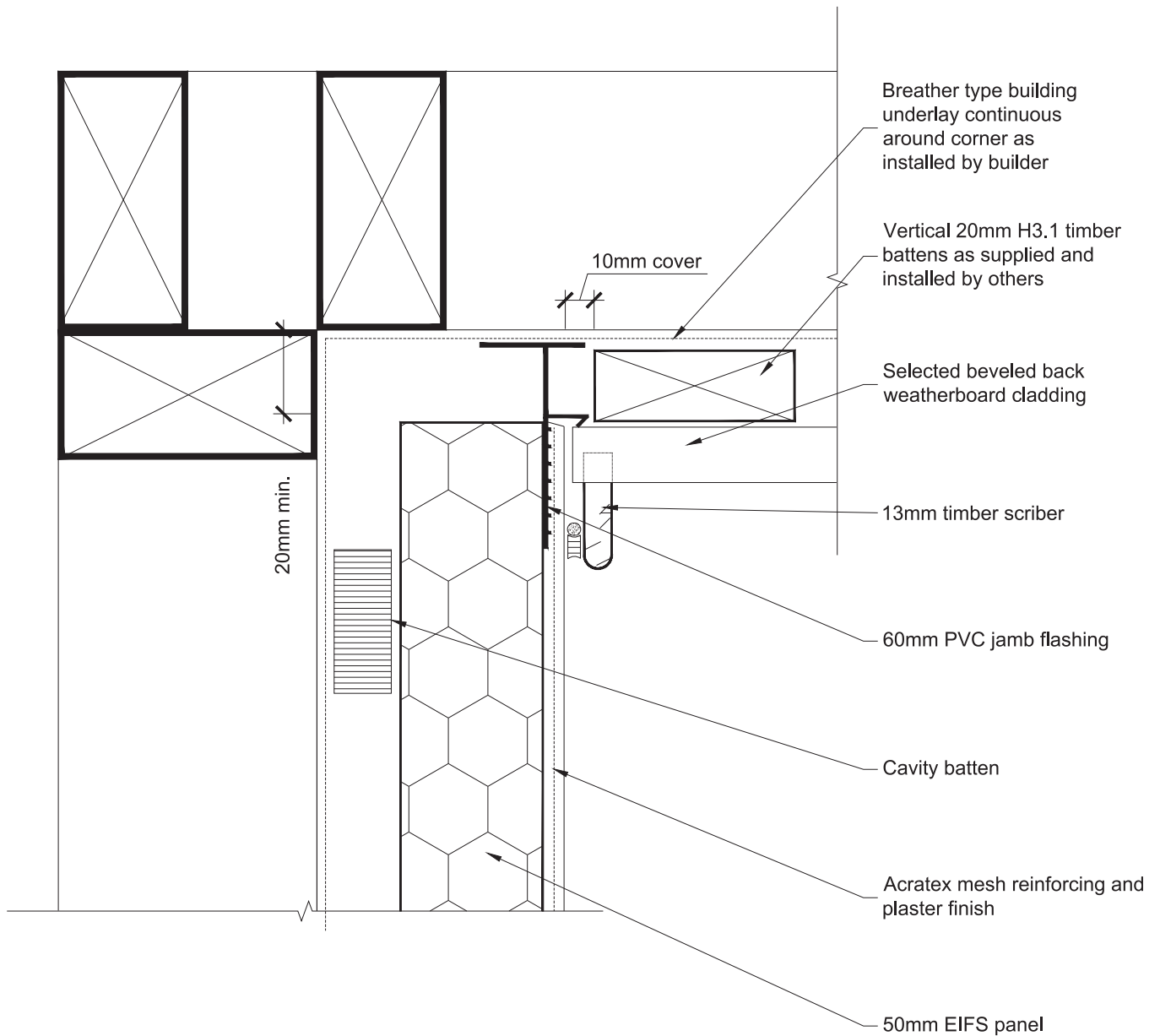
Detail: 31

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e450 eifs\_weatherboard exterior corner.dwg

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## 2.32 Weatherboard Interior Corner



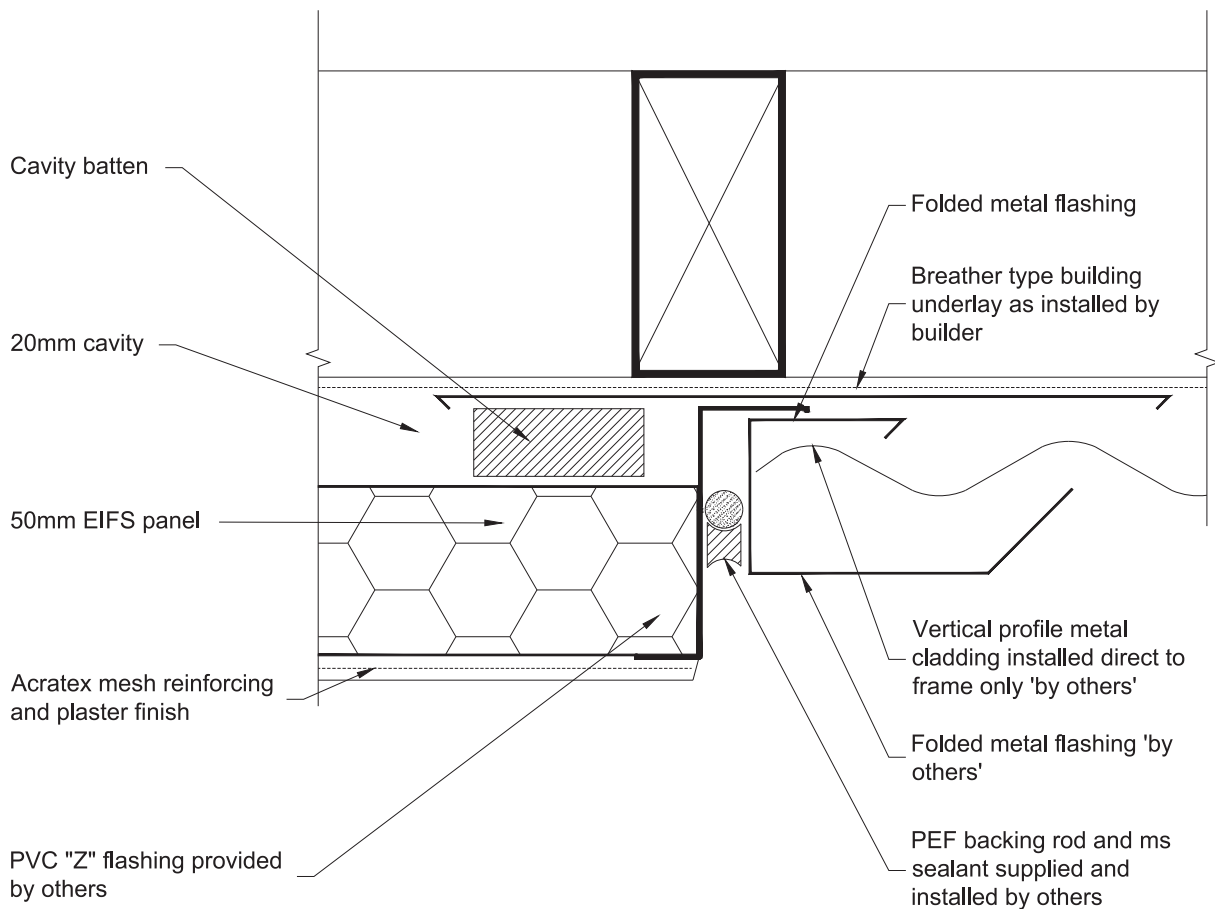
Detail: 32

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e460 eifs\_weatherboard interior corner.dwg

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## 2.33 Vertical Metal Profile Junction



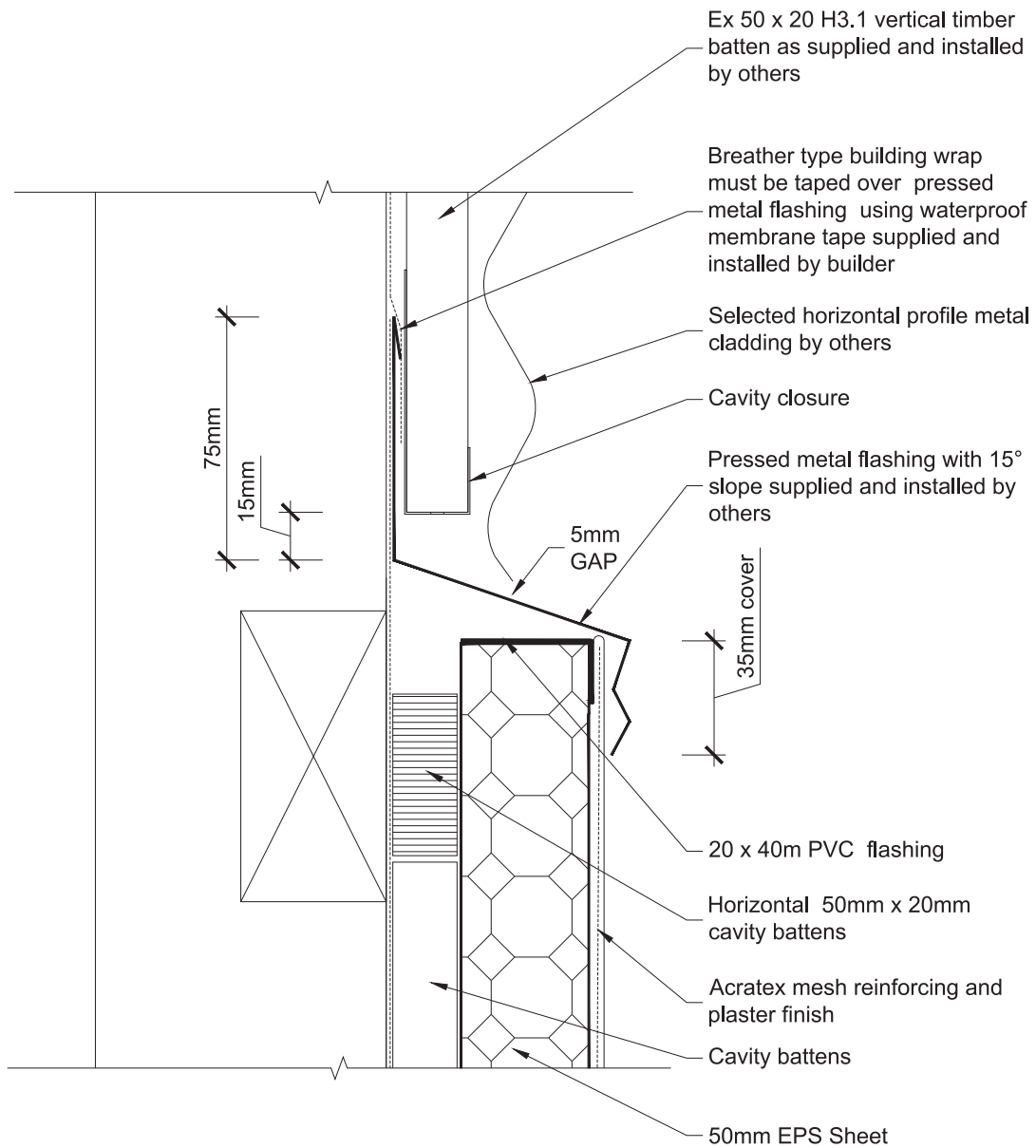
### Detail: 33

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e490 eifs\_vertical metal profile junction.dwg

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## 2.34 Horizontal Metal Profile Junction



### Detail: 34

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e500 eifs\_horizontal metal profile junction.dwg



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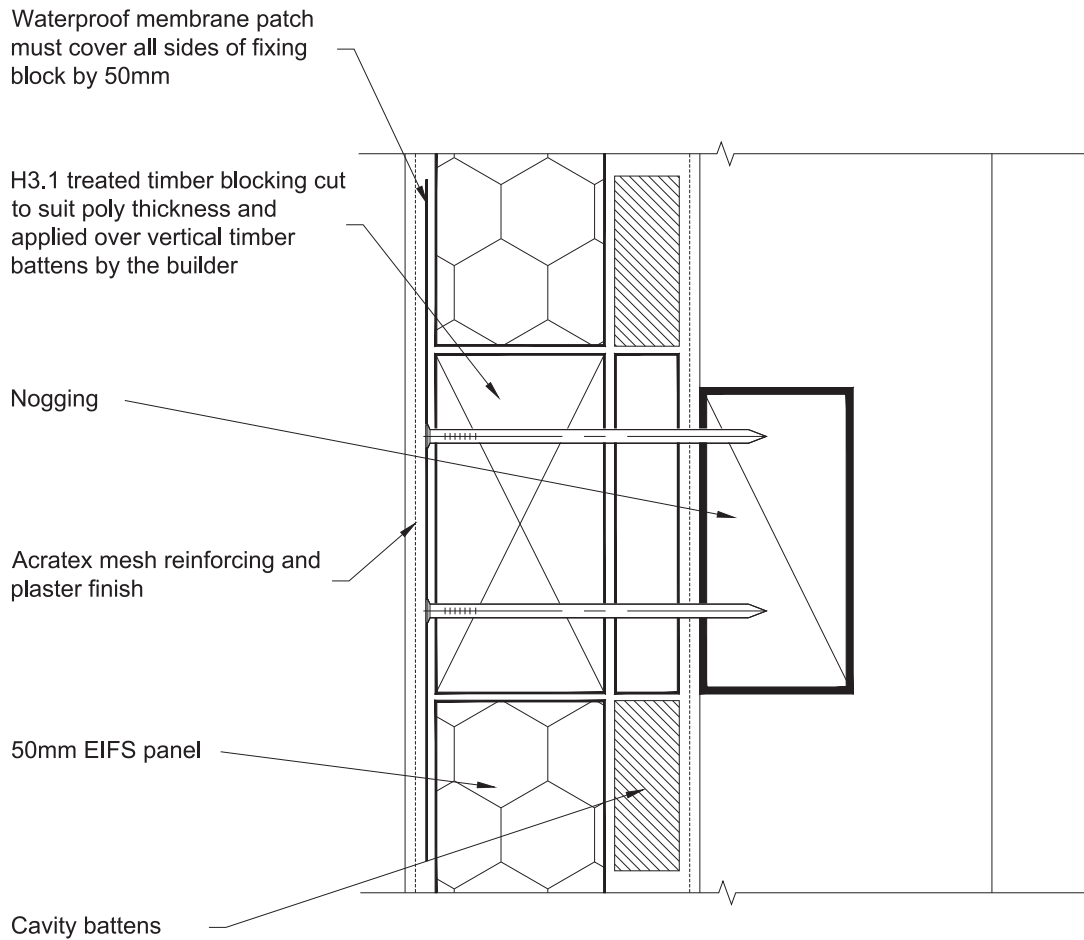
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**HORIZONTAL METAL PROFILE JUNCTION**

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## 2.35 Fixing Block




Note: attachments weighing more than 5kg

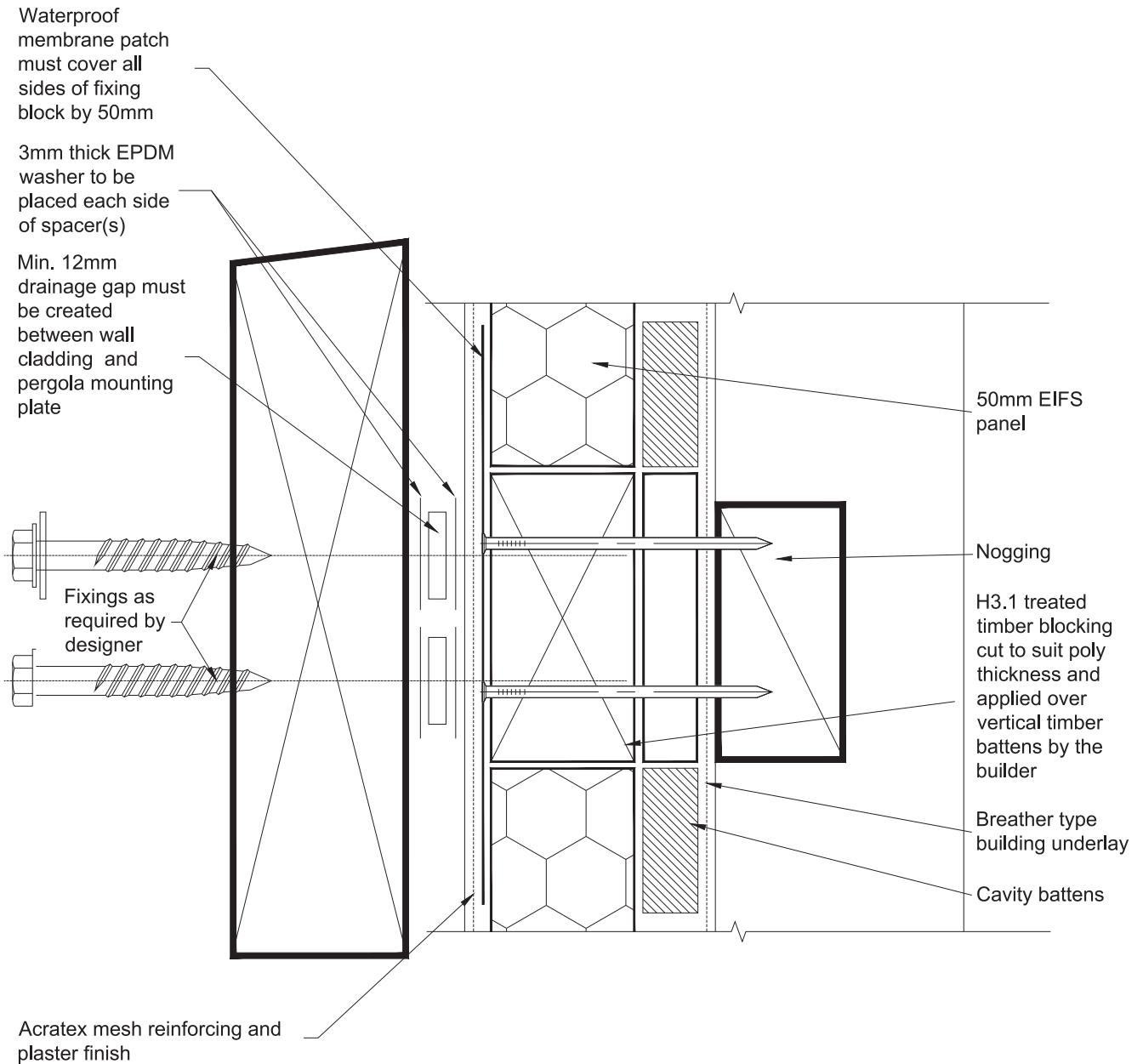
Detail: 35

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e510 eifs\_fixing block.dwg

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## 2.36 Wall Plate - Decking Or Pergola



Detail: 36

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e520 eifs\_wall plate - decking or pergola.dwg



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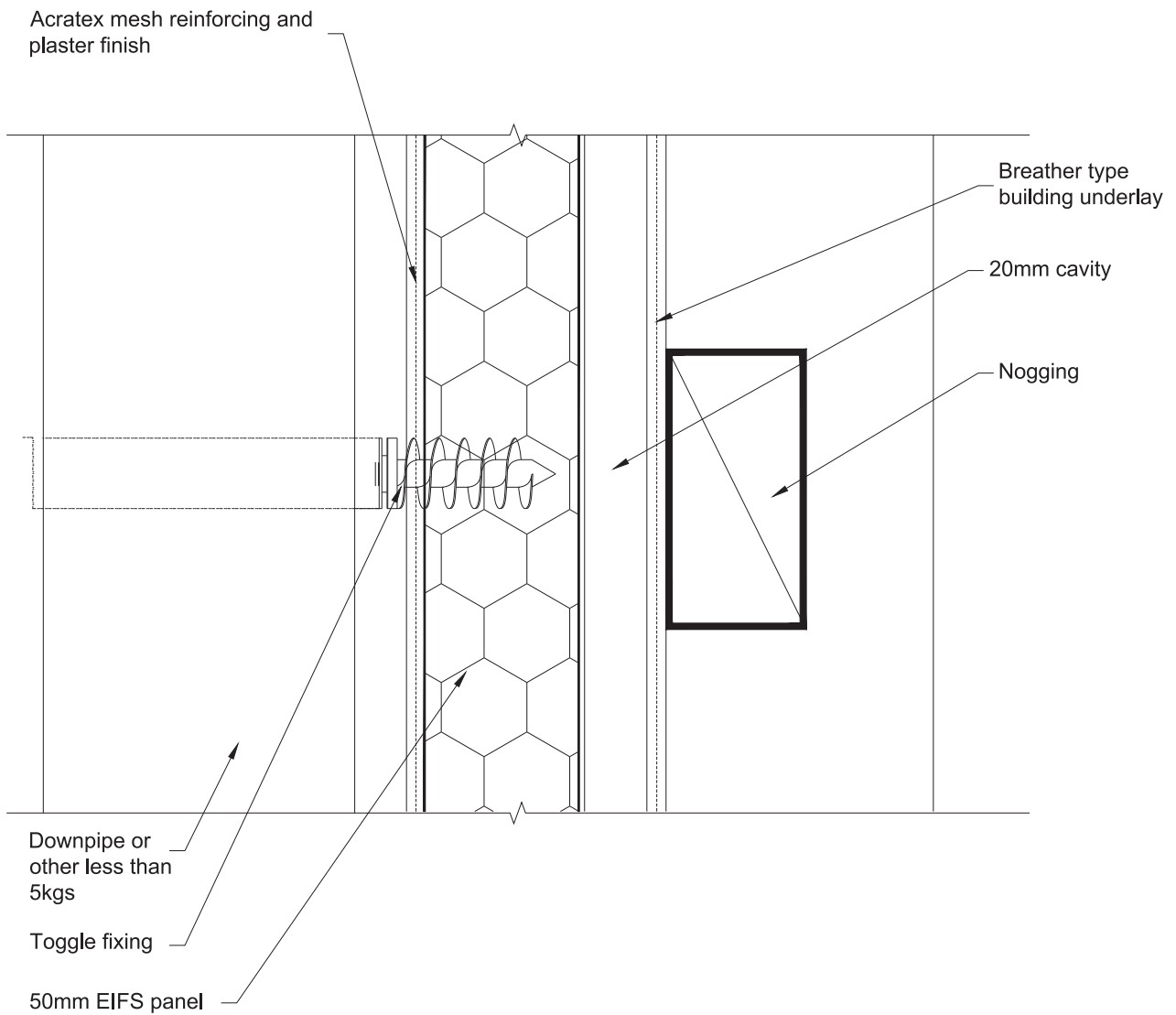
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WALL PLATE - DECKING OR PERGOLA

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## 2.37 Fixing Details - Downpipes



Detail: 37

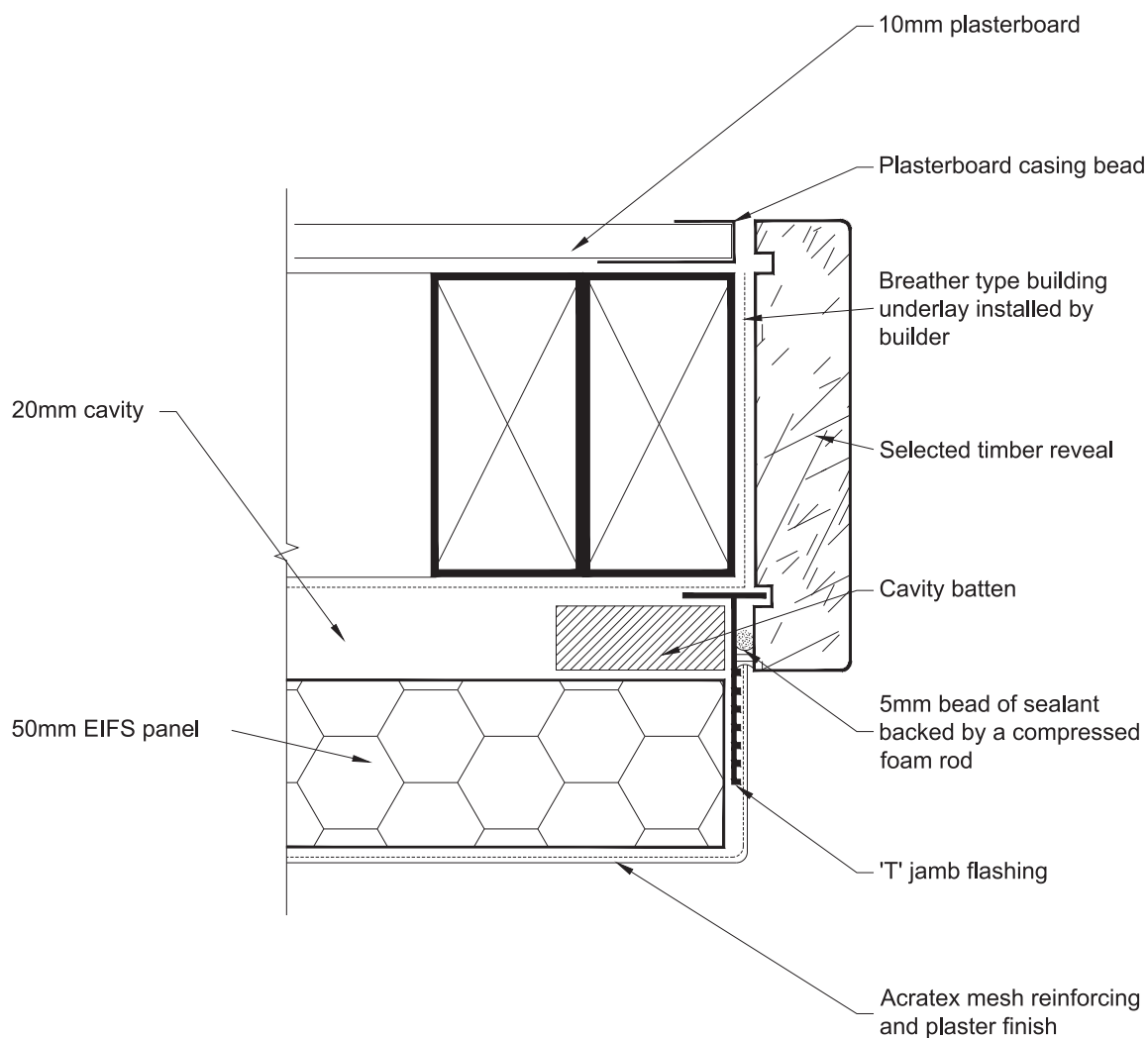
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e530 eifs\_fixing details - downpipes.dwg

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## 2.38 Garage Door Reveal - Timber Jamb



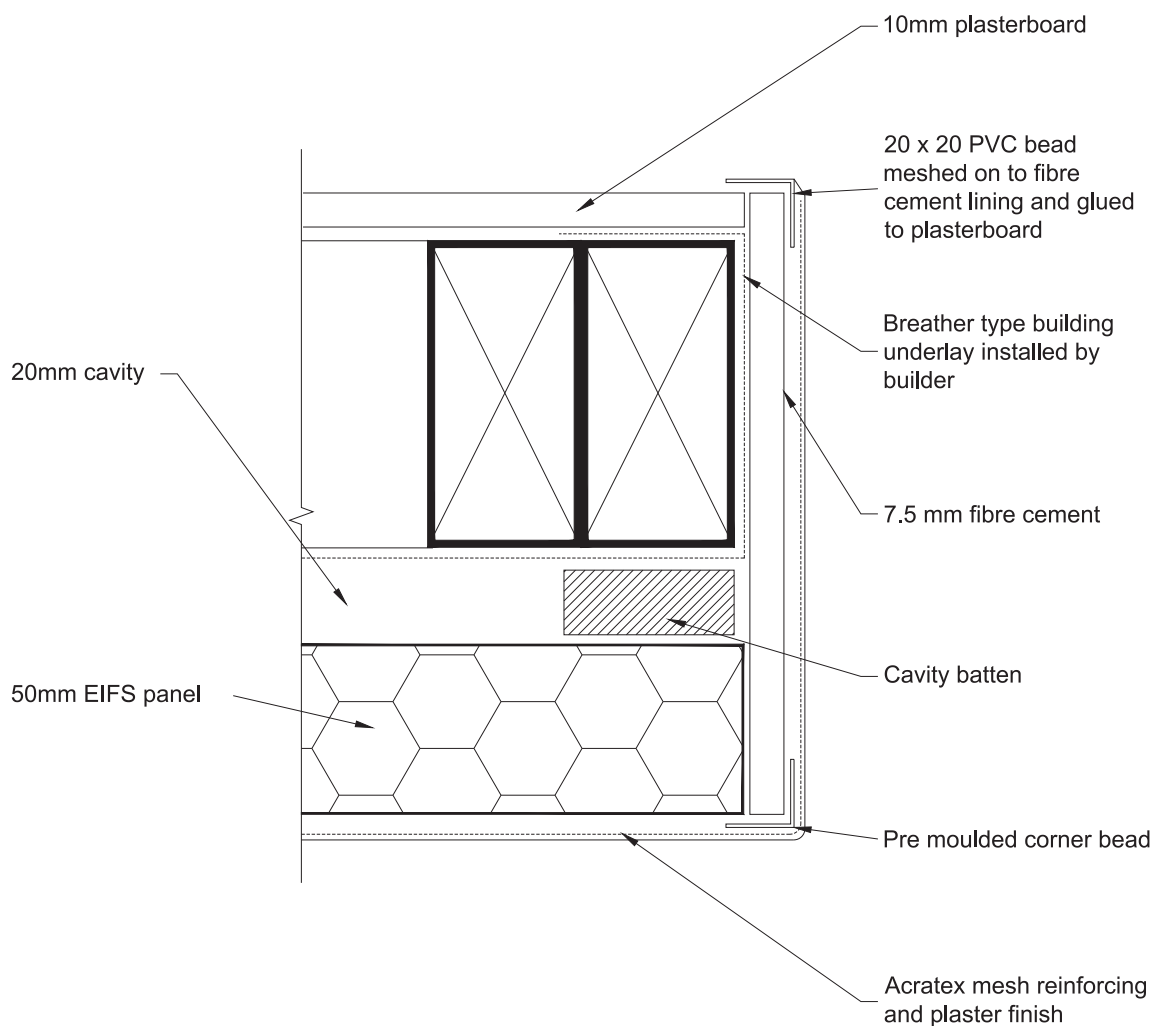
### Detail: 38

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e540 eifs\_garage door reveal - timber jamb.dwg

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## 2.39 Garage Door Reveal-Plastered Jamb



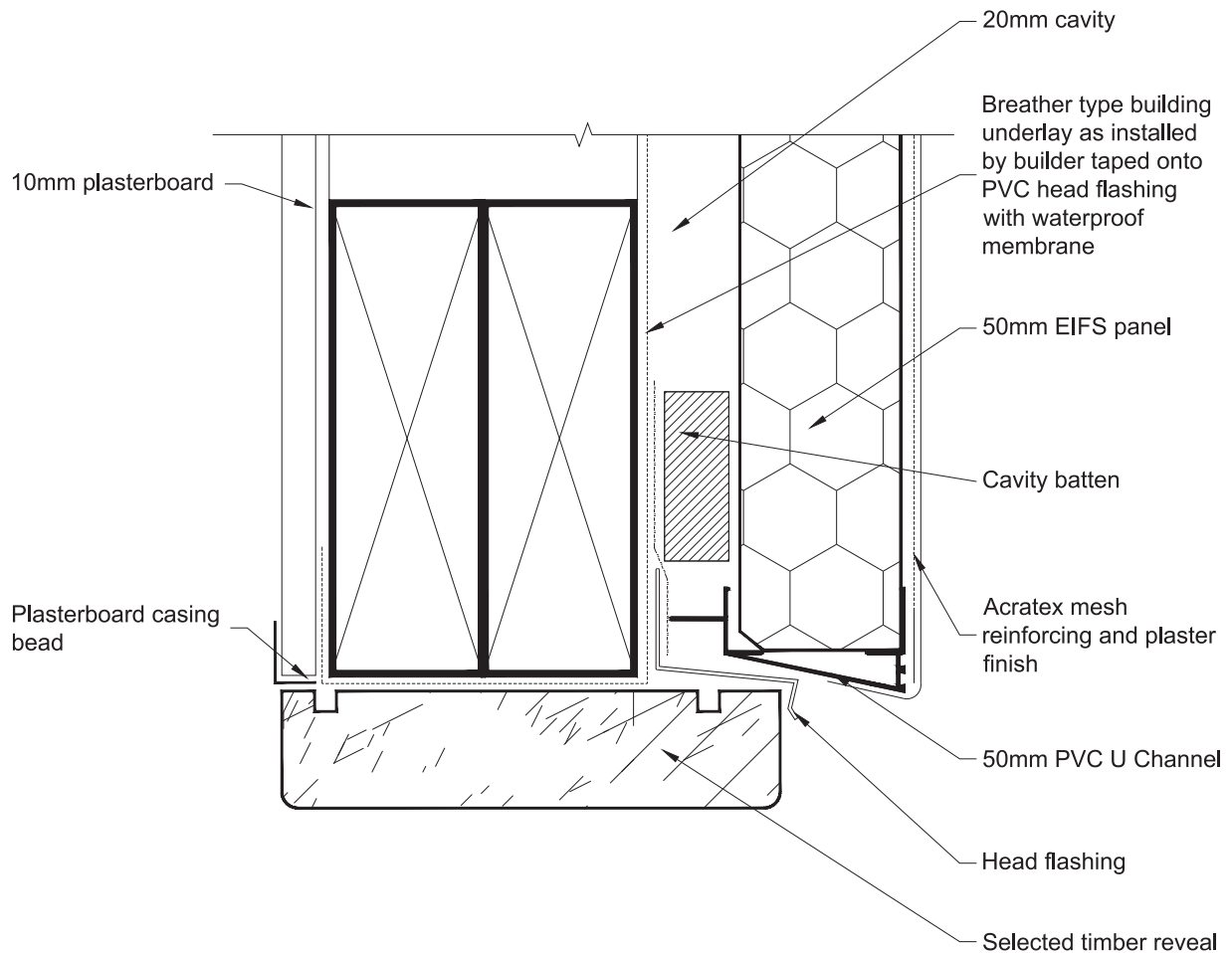
### Detail: 39

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e550 eifs\_garage door reveal-plastered jamb.dwg

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## 2.40 Garage Door-Timber Head



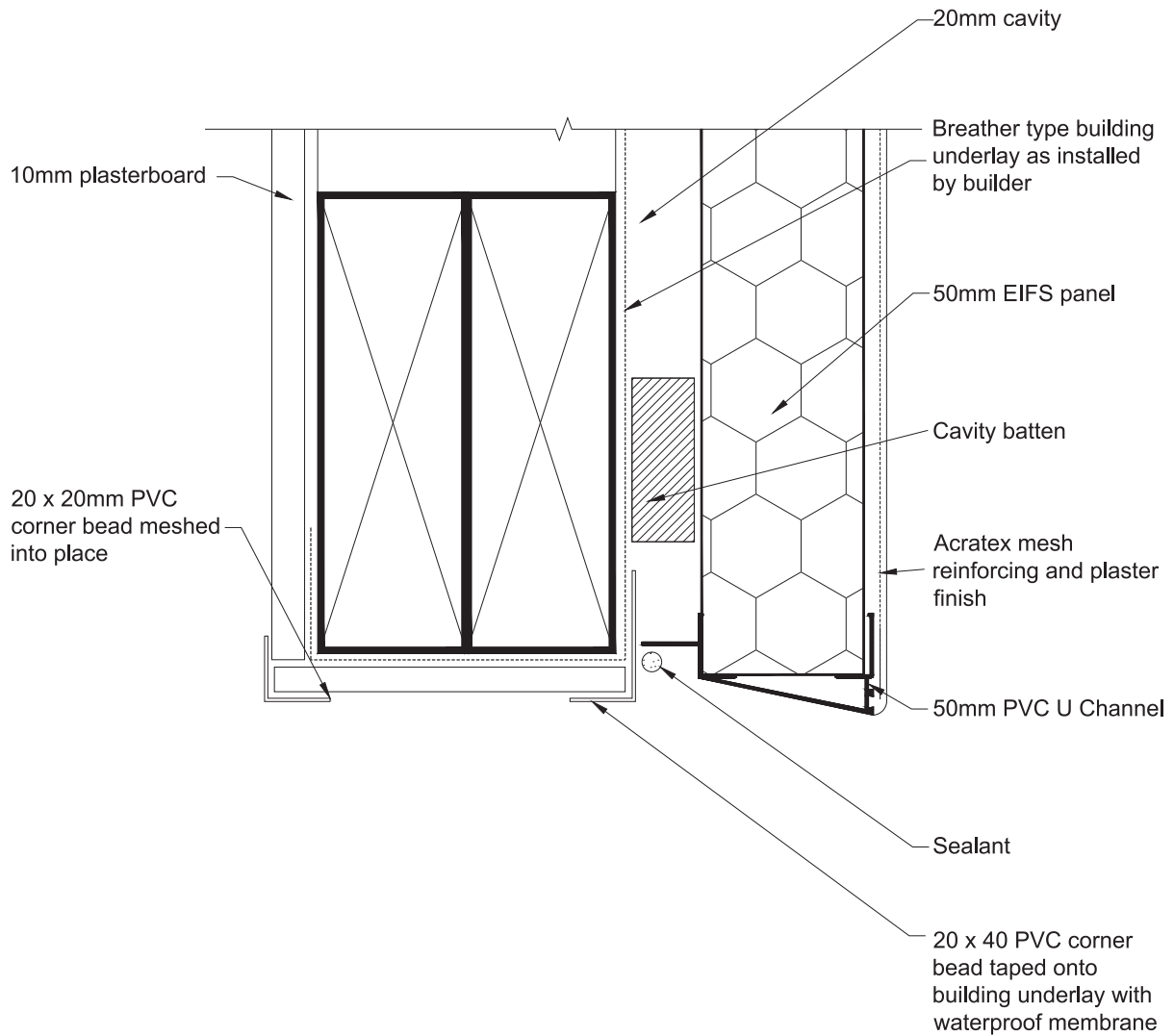
Detail: 40

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e560 eifs\_garage door-timber head.dwg

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## 2.41 Garage Door Plastered Head



### Detail: 41

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e570 eifs\_garage door plastered head.dwg



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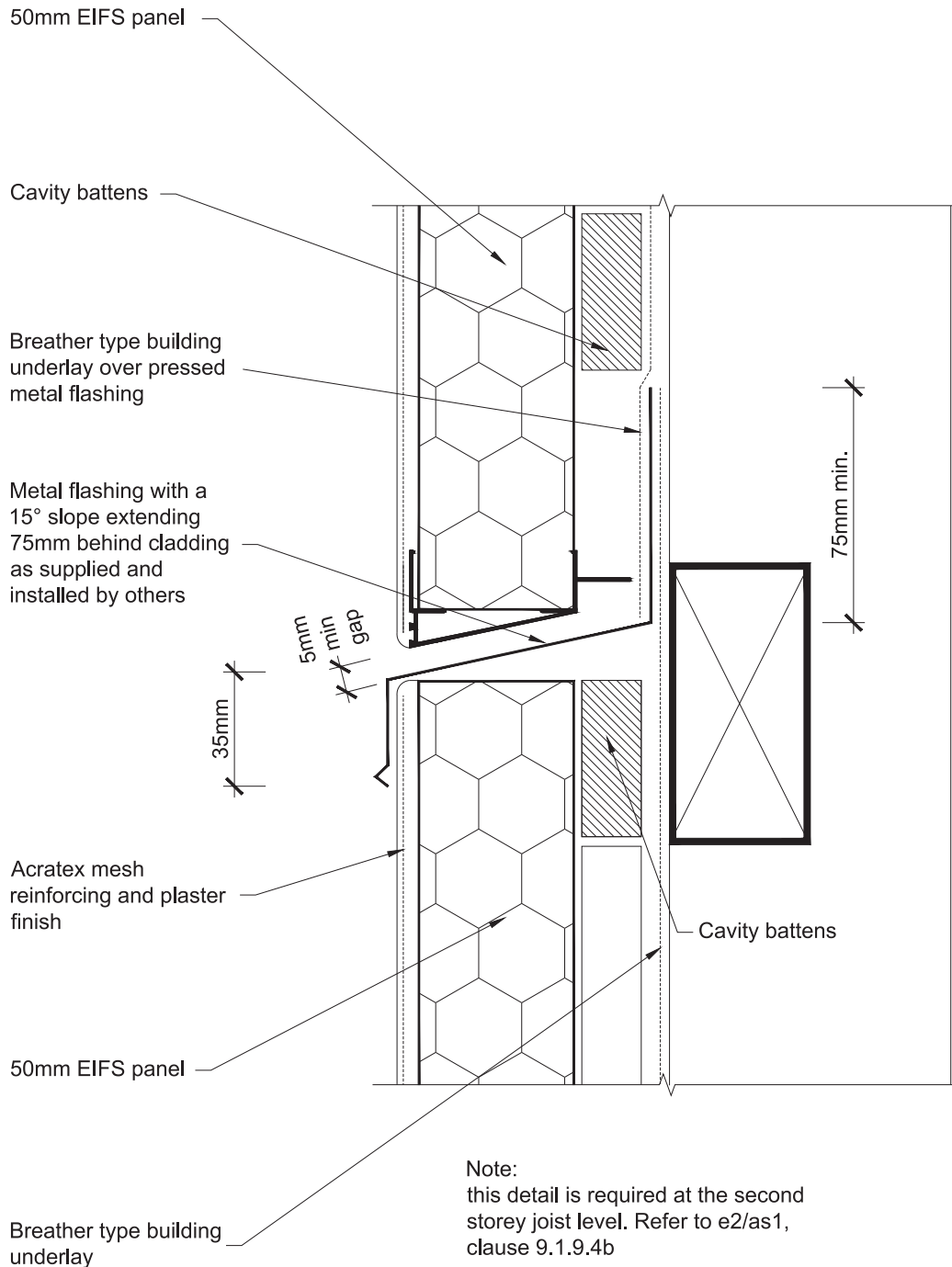
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GARAGE DOOR PLASTERED HEAD

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## 2.42 Interstorey Drainage Joint



Detail: 42

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e580 eifs\_interstorey drainage joint.dwg



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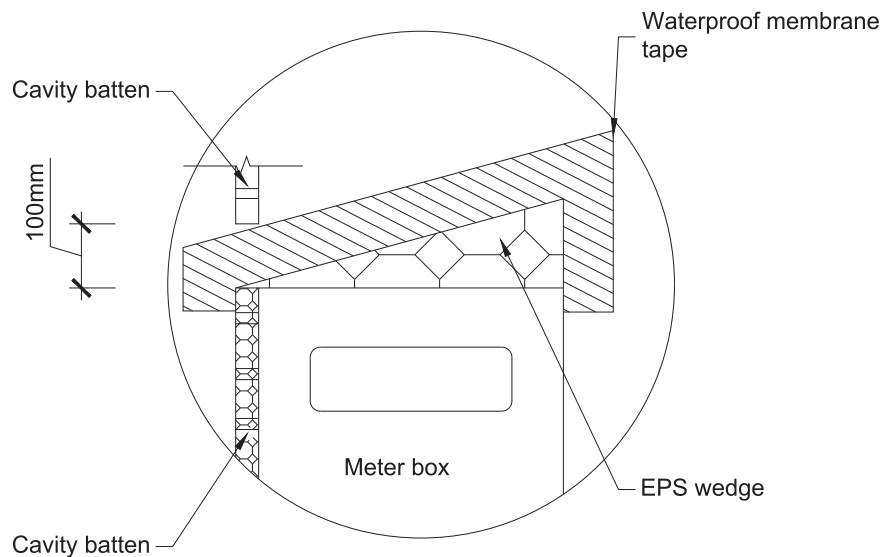
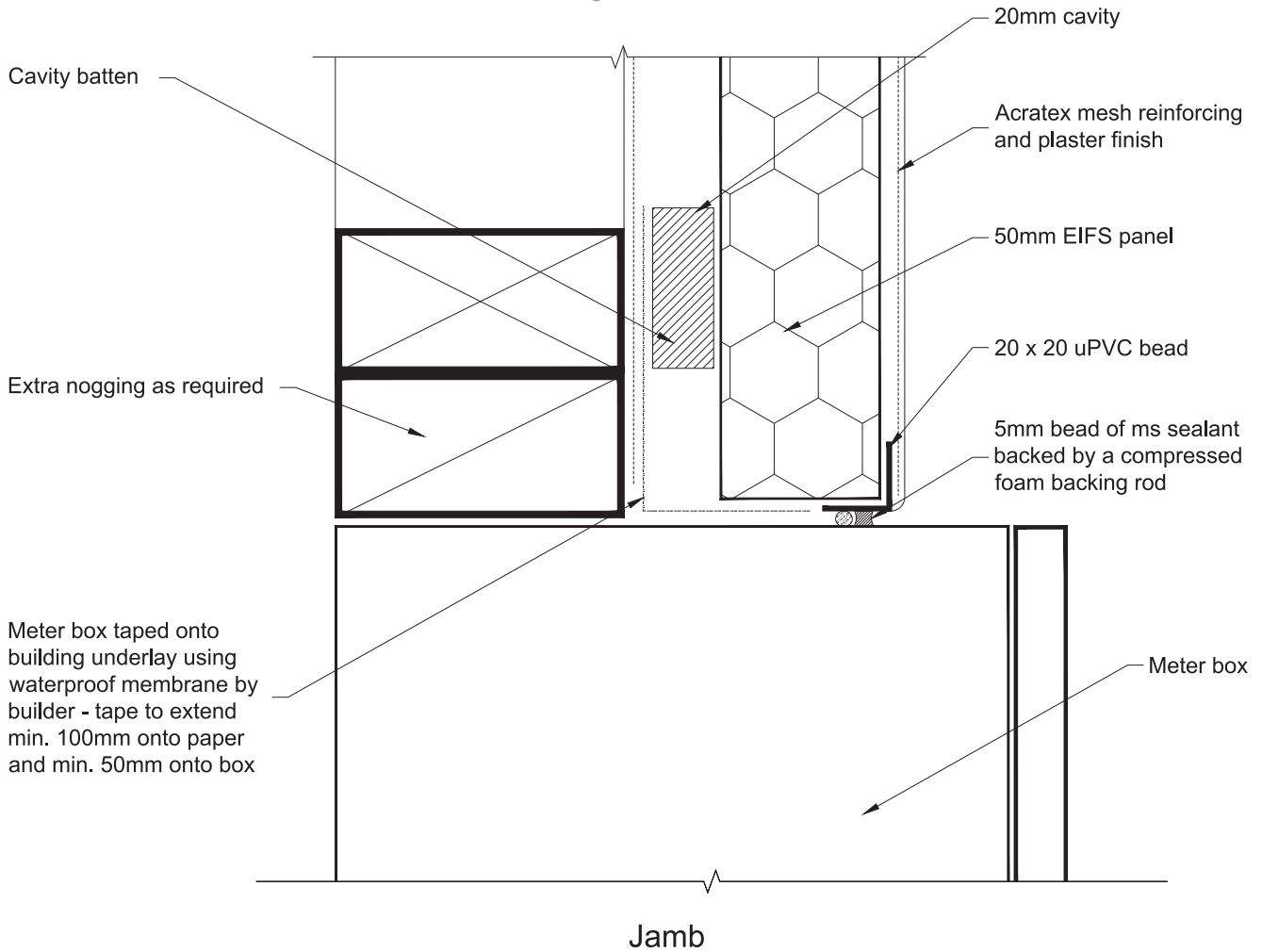
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INTERSTOREY DRAINAGE JOINT

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## 2.43 Meter Box - Head And Jamb



**Note:**

A wedge of polystyrene with a 15° slope must be placed on top of the meter box. It must be taped onto the building wrap using a waterproofing membrane to shed water to the outside edge. Care must be taken to ensure the tip of the wedge is not blocked by a vertical batten

Detail: 43

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e600 eifs\_meter box - head and jamb.dwg



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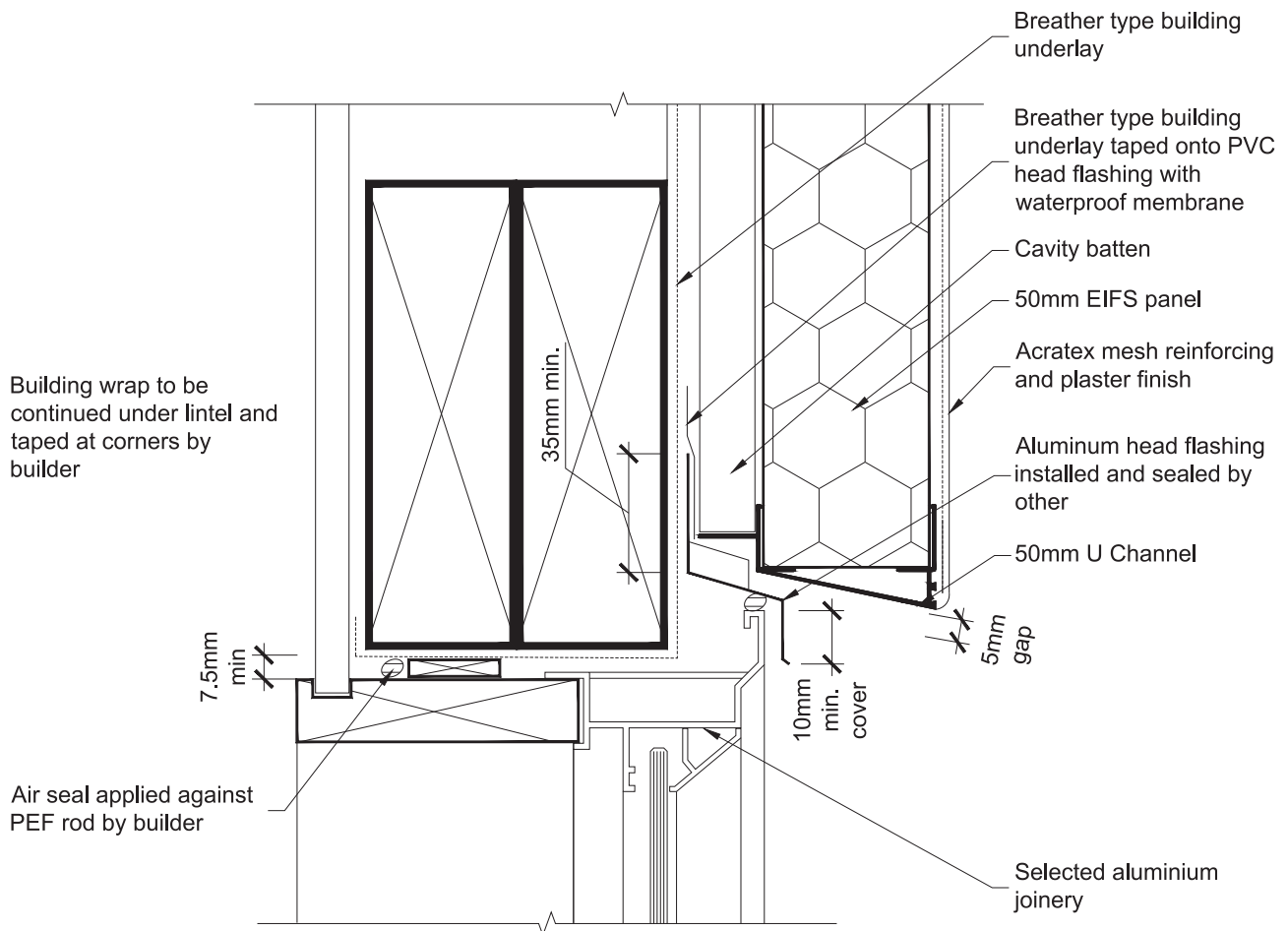
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**METER BOX - HEAD AND JAMB**

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## 2.44 Recessed Joinery EIFS - Aluminium Head




**Note:**

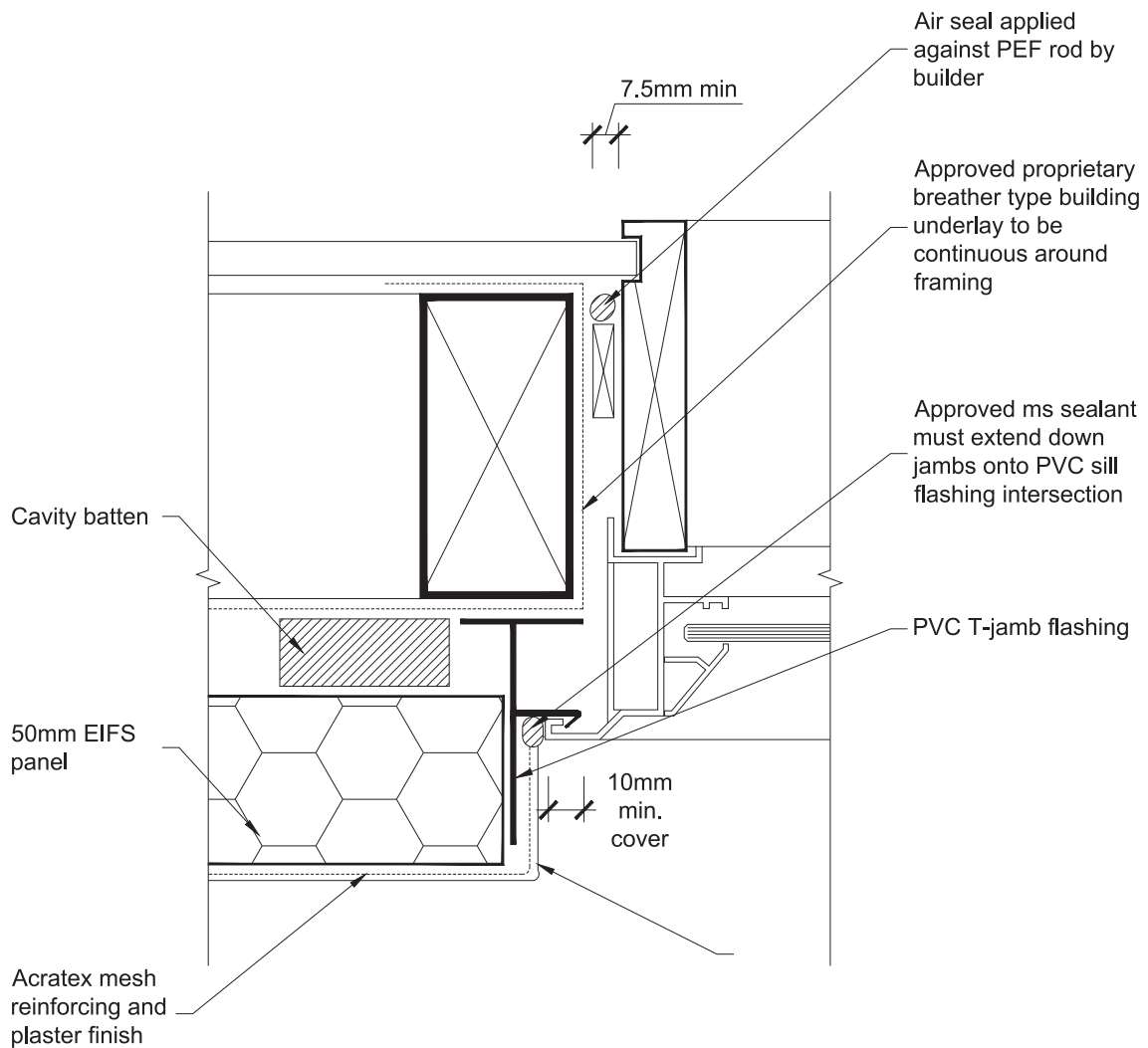
- Punchings in head flashing provide ventilation openings of per lineal metre 1000mm<sup>2</sup>
- Please allow a gap of 24mm from the surface of the building paper to the backside of the aluminium jointery flange for the installation of the cavity batten and uPVC Flashing.

**Detail: 44**

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature. e720 eifs recessed joinery eifs - aluminium head.dwg

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## 2.45 Recessed Joinery EIFS - Jamb



### Note !

- Jamb & head flashings must be sealed or PVC welded where they intersect
- Please allow a gap of 24mm from the surface of the building paper to the backside of the aluminum joinery flange for the installation of the cavity batten and uPVC Flashing.

Detail: 45

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e730 eifs recessed joinery eifs - jamb.dwg



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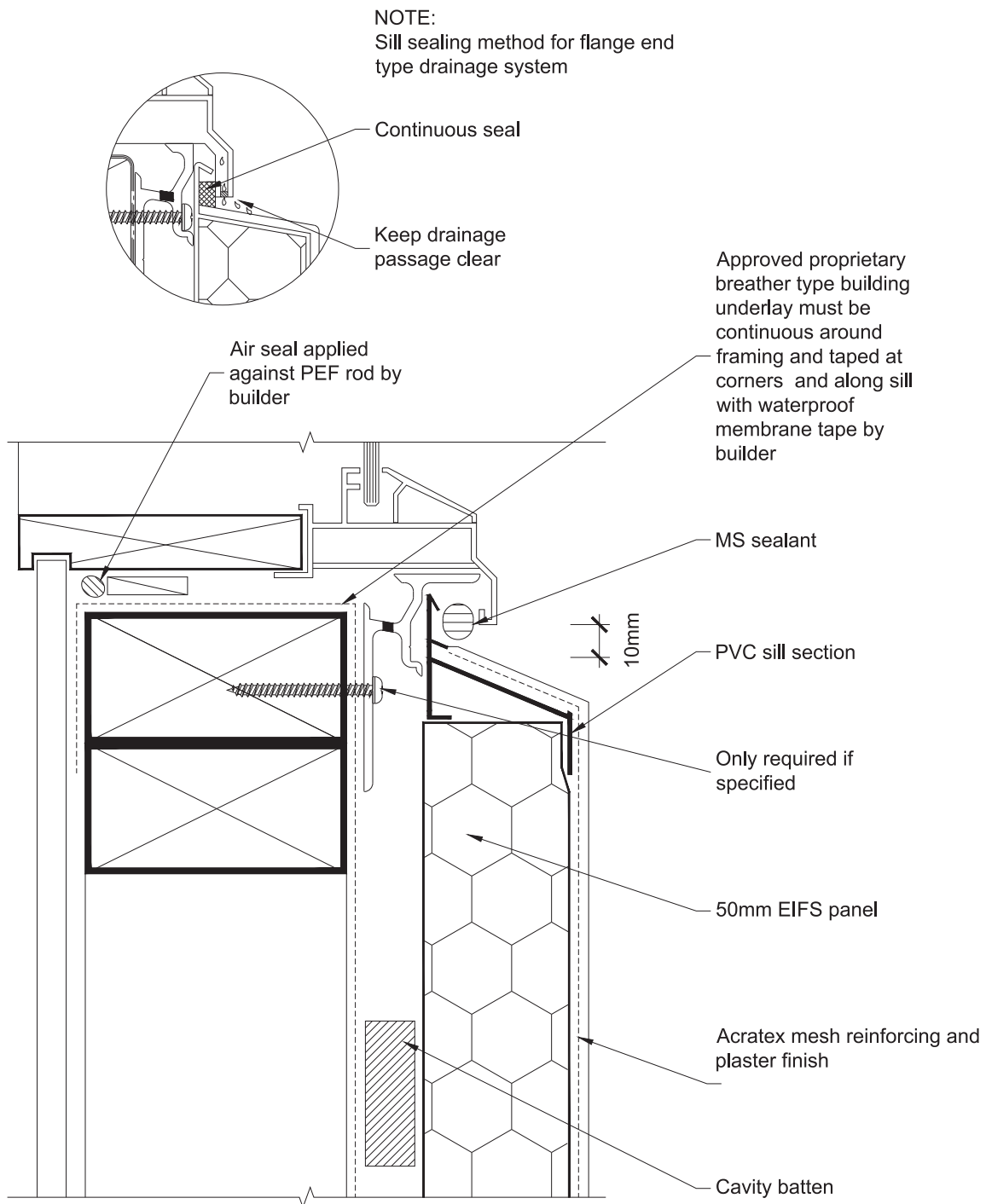
RECESSED JOINERY EIFS - JAMB

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June 2014  
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## 2.46 Recessed Joinery EIFS - Sill




Note:

- A 5° sloped sill trimmer must be used if the back of the glazing channel is positioned back past the line of the wall frame.
- All windows must be nogged under the sill trimmer.
- Please allow a gap of 24mm from the surface of the building paper to the backside of the aluminum joinery flange for the installation of the cavity batten and uPVC Flashing.

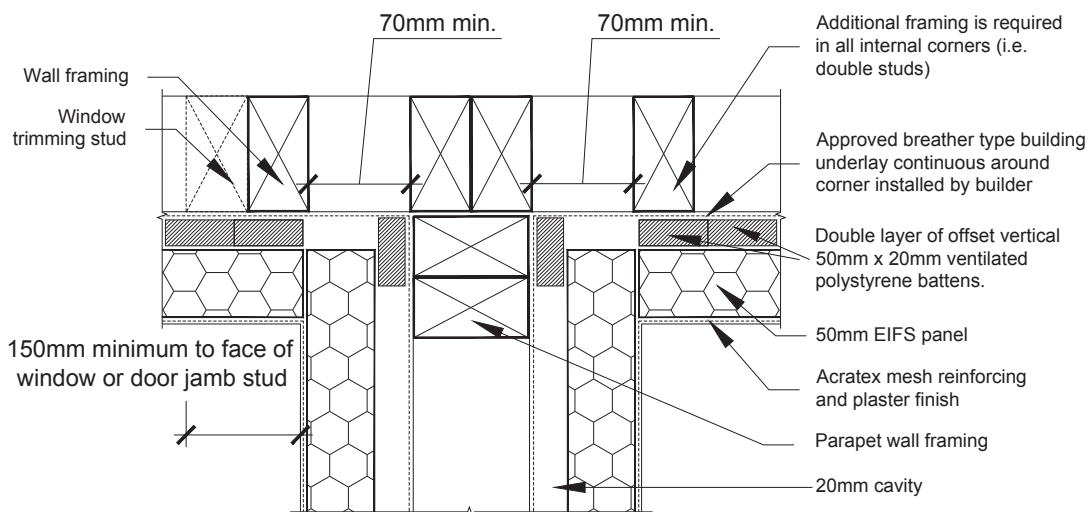
Detail: 46

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e740 eifs recessed joinery eifs - sill.dwg

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		<p>RECESSED JOINERY EIFS - SILL</p> <p>Disclaimer: This information is intended solely as a guide for use of Dulux® AcraTex® products. Before using you should ensure that the product is suitable for use in the specific application. Nothing in this information constitutes a statement of fitness for particular purpose and appropriate expert advice is to always be obtained. Dulux® AcraTex® makes no warranty regarding the use of this information with non-Dulux® AcraTex® products.</p>	<p>Issue: 1.0 June 2014 1:2</p>


## 2.47 EIFS Parapet to Wall



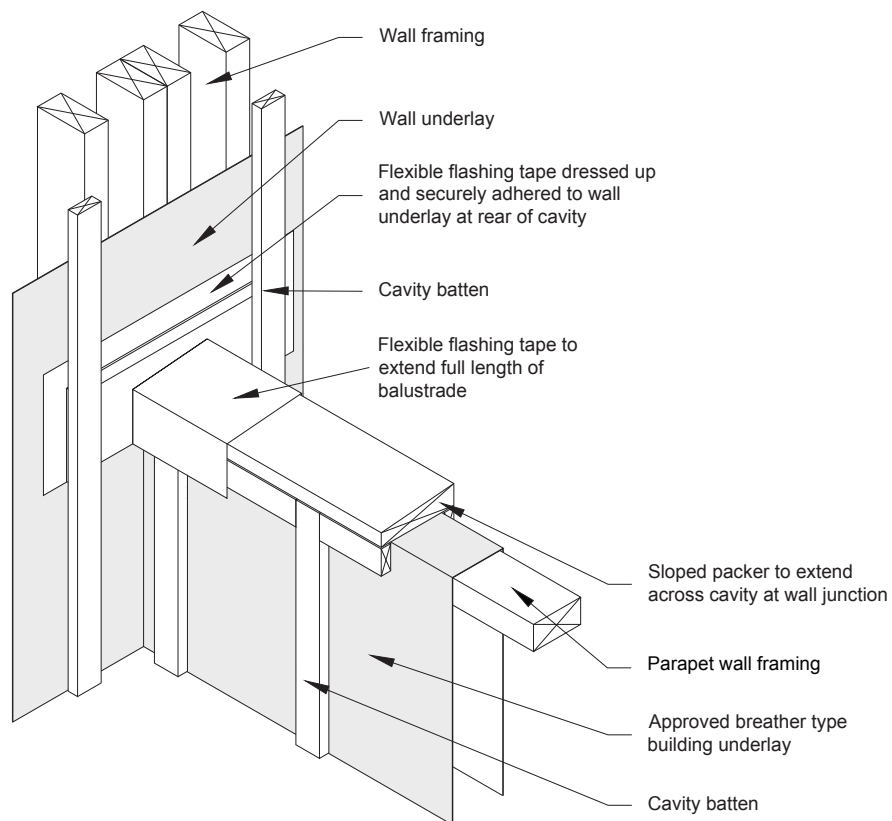
### Detail: E150

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# e150 eifs parapet to wall.dwg

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## 2.48 EIFS Parapet to Wall 3d Frame



### Detail: E151

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e151 eifs parapet to wall 3d frame.dwg



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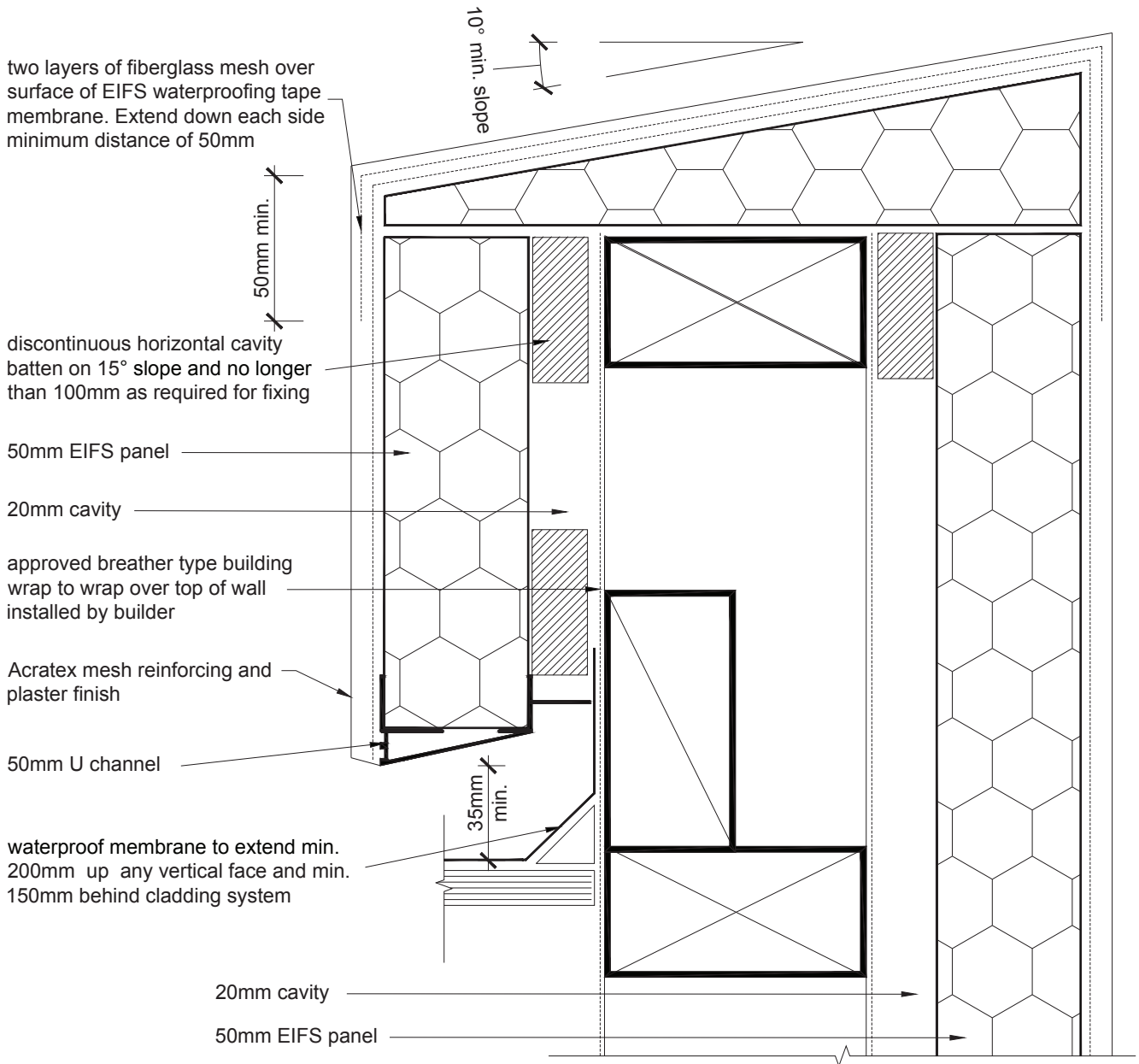
#### WALL TO BALUSTRADE JUNCTION SADDLE FLASHING

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June 2014  
1:5

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## 2.49 EIFS Parapet and EIFS Wedge

Note : if parapet wall top is wider than 300mm - it must have a minimum slope of 30°



Note :  
If roof is being used as an internal gutter, the cladding must be min. 75mm above membrane surface

### Detail: E282

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e282 eifs parapet and eifs wedge.dwg



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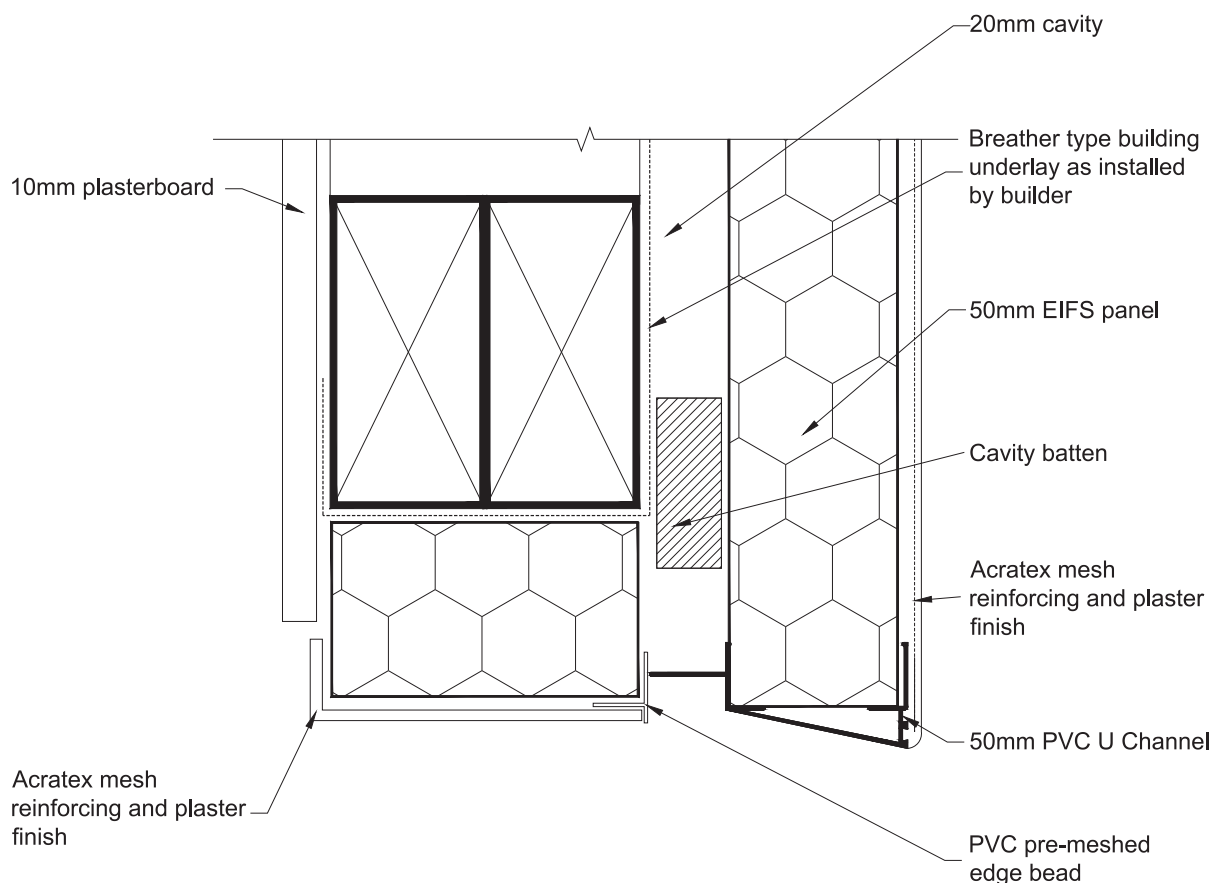
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EIFS PARAPET AND EIFS WEDGE

Issue: 1.0  
June 2014  
1:2

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# 2.50 EIFS Garage Door Plaster Head



Detail: E572

This drawing is to be read in conjunction with Dulux® AcraTex® technical literature.

e572 eifs garage door plastered head.dwg



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**GARAGE DOOR PLASTERED HEAD EIFS**

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1:2

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