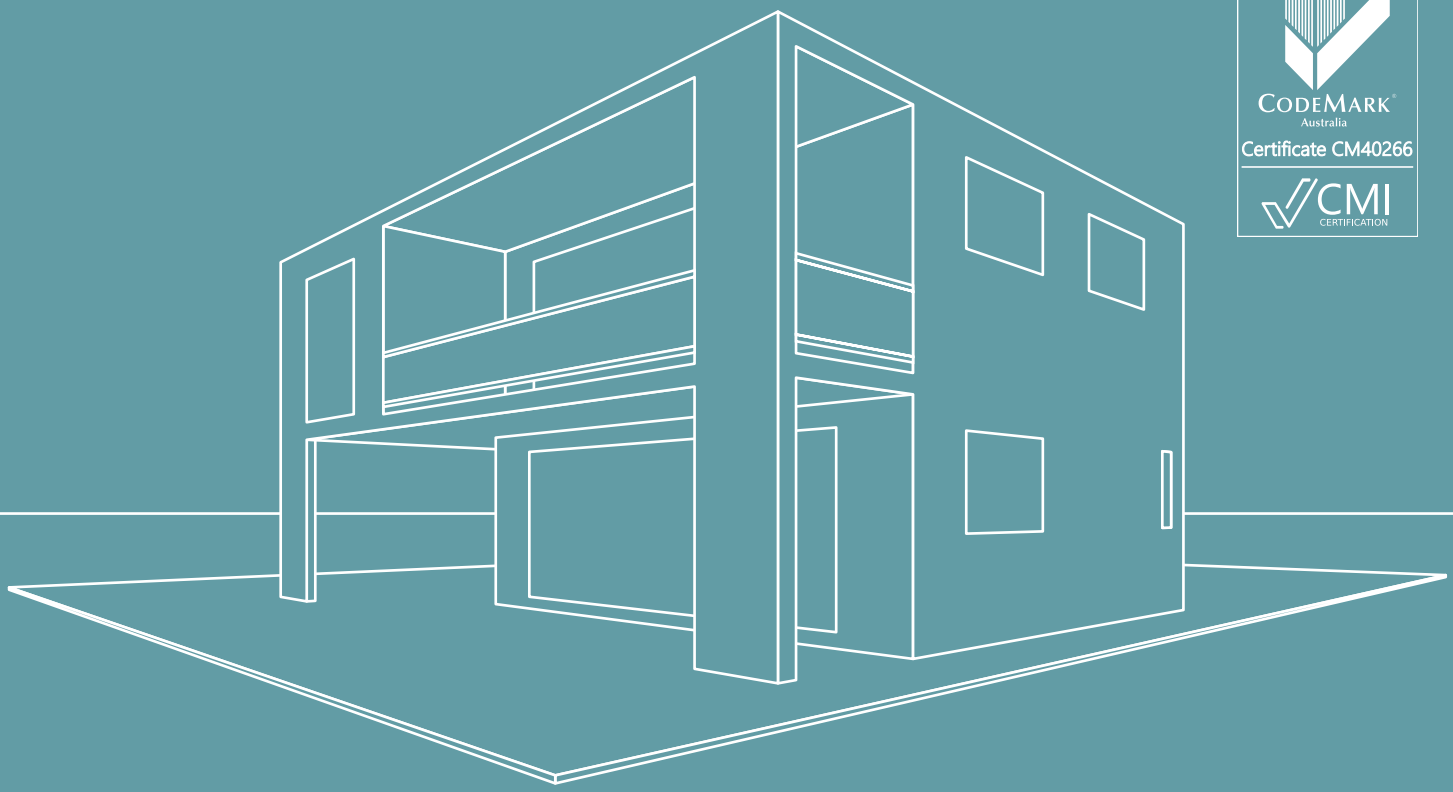
Exsulite®
Thermal Facade Cladding

EXSULITE® THERMAL FACADE CLADDING NON CAVITY SYSTEM **CONSTRUCTION DRAWINGS MANUAL**

AUSTRALIA • JULY 2023

CodeMark Australia
Certificate CM40266
CMI CERTIFICATION



FOR USE WITH:

AcrateX® Quikcote™ EZYCOAT

EXSULITE® NON CAVITY CONSTRUCTION DRAWINGS MANUAL

This manual is designed to be read in conjunction with the *Exsulite* Non Cavity Installation and Specification Manual to provide system Set Out and Construction detail to comply with *Exsulite* CodeMark® Certified Systems and is provided as a source of information 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. This manual is to be treated as one document, do not separate and distribute individual pages. Please visit exsulite.com.au for the most current version of *Exsulite* Non Cavity Specification & Construction Drawing manuals.

NCC Compliance

The Australian Building Code, State Regulators and JAS-ANZ require building products/systems that are *CodeMark* Certified Systems must be installed strictly in accordance with the *CodeMark* Certificate of Conformity and be relevant to the Building Code requirements specific to that job site.

Prior to any system installation, Builders and Installers should check the job requirements against the proposed *Exsulite* System *CodeMark* Certificate of Conformity that is to be installed, to satisfy themselves that the proposed *Exsulite* System is in accordance with the building surveyors' planning approvals for that specific job.

Any failure to follow the *Exsulite* installation guidelines and specifications will mean that the *Exsulite CodeMark* Certification is not valid for that installation, and compliance to NCC cannot be claimed for that specific job.

Where the product/system has NOT been installed strictly in accordance with the *CodeMark* Certificate conditions and associated installation guide, the *CodeMark* Certification and National Construction Code (NCC) compliance will be deemed void and non compliant.

Should this occur:

- the installed system will need to be reassessed by the relevant parties and will require an alternative building solution to demonstrate compliance to the National Construction Code (e.g. through a "Performance Solution" approved by a qualified engineer); and
- the *CodeMark* Certificate of Conformity will be withdrawn from that specific job site under the NCC requirements.
- in such circumstances *Exsulite* accepts no responsibility for specifications outside the *Exsulite CodeMark* Certified system and confirmation of compliance for any alternate solution is the responsibility of the installer and/or builder.

If you are an Installer

In all circumstances installers must be appropriately licensed to install cladding relative to the governing State Building Authority. Each state and territory has different licensing and registration requirements and it is important that you understand the requirements that apply to you as an individual to hold the appropriate licence or be registered.

Ensure you follow the full *Exsulite* design and installation guidelines provided in conjunction with the relevant *Exsulite* Construction Drawing details. *Exsulite* system components can only be supplied by *Exsulite* or other *Exsulite Approved* suppliers.

Exsulite System Warranty can be issued only when an *Exsulite* Certificate of Installation & Workmanship is completed & signed confirming that the system installation is in accordance with the *CodeMark* Certificate of Conformity.

If you are a Builder

Ensure the installer is suitably qualified and licensed to install cladding relative to the governing State Building Authority. Each state and territory has different licensing and registration requirements and it is important that you understand the requirements that apply to you as a Builder and in respect to contracting cladding installation.

Overview

The National Construction Code (NCC) requires appropriate design and installation controls to qualify any alternate solution and ultimate success requires a total system approach integrating design, componentry, installation and performance requirements relative to project specific requirements.

Exsulite Thermal Facade Cladding offers specifiers, surveyors, builders and their clients a total cladding system from wall wrap to finished wall from a single supply source protecting from the risks of mixed componentry and uncontrolled installation.

Exsulite Thermal Facade Cladding is a light weight exterior walling system that provides both weatherproofing and continuous insulation (CI) across framing rather than just insulating between the framing members.

Exsulite Thermal Facade Cladding is designed as a integrated non-load bearing lightweight facade system to deliver a weatherproof external building envelope.

Exsulite Thermal Facade Cladding is *CodeMark* certified in various configurations:

A) *Exsulite* Thermal Facade Cladding Non Cavity System

Comprises *Exsulite* Breathable Wrap (or breathable Wall Wrap complying with AS/NZS 4200.1 :2017), M-Grade Blue EPS Panel, *Exsulite* Precoated Starter Piece or Starter Channel with no weep holes, Fixing Components / Detail relative to specific Wind Classifications and finished with a *Exsulite Approved* high build weatherproof texture coating system.

B) *Exsulite* Composite Thermal Facade Cladding Non Cavity System

Comprises *Exsulite* Breathable Wrap (or breathable Wall wrap complying with AS/NZS 4200.1 :2017), Factory basecoated, M-Grade Blue EPS Panel, *Exsulite* Precoated Starter Piece or Starter Channel with no weep holes, Fixing Components / Detail relative to specific Wind Classifications and finished with a *Exsulite Appoved* high build weatherproof texture coatings system.

Uses

Exsulite Thermal Facade Cladding is used as a light weight integrated facade system as an alternative to masonry systems in low rise Residential construction.

Suitable for Residential External Walls to NCC Volume Two, Class 1 and 10 buildings with wind loads to either AS/NZS 1170.2 or AS 4055 "Wind loads for housing" for Wind Classifications N1,N2,N3,N4, within the AS 4055 limitations less than 8.5m in height less than 16m in width and where the length does not exceed five times the width and roof pitch does not exceed 35 degrees, fixed to either steel or timber frames.

Exsulite Thermal Facade Cladding provides a CodeMark Certified, weatherproof cladding and insulation system for suitable Residential applications.

Fixing Guide

Fixing Panel to Stud (Timber or Metal1)					
Frame Type	Panel Thickness	Minimum Screw Length2	Class3	Gauge	Type
Timber	60mm	105mm	3 or 4	10	Bugle, Needle Point
	75mm	105mm	3 or 4	10	Bugle, Needle Point
	100mm	130mm	3 or 4	10	Bugle, Needle Point
Metal up to 0.55 BMT	60mm	75mm	3 or 4	10	Bugle, Needle Point
	75mm	105mm	3 or 4	10	Bugle, Needle Point
	100mm	105mm	3 or 4	10	Bugle, Needle Point

1. Timber or Metal screw type suitable into metal stud up to 0.55 BMT. Above 0.55 BMT requires Metal screw.
2. Minimum screw penetration is 30mm into timber or 3 threads through metal.
3. 10 Gauge bugle "TRIGARD" screws that are coated using a multi-layer anti-corrosion system known as "Ruspert" for use in in all applications including within 1km of coastal areas.

General Fixing process

Drive Panel Fixing Screws with 40mm Fixing Disk fitted into the middle of the Stud until the disk just penetrates the panel face. When fastened correctly, the screw head and the 40mm fixing disk should be slightly countersunk in a concave recess on the outer surface of the panel such that the panel retains its original thickness and shape.

General fixing at maximum spacings of 275mm (5 fixings at 275mm spacing / 25 per sheet and within 50mm from panel edges for a 1200mm width panel). Minimum 30mm penetration into timber or 3 threads through metal. Stud spacings at 600mm maximum.

Subject to Panel thickness, Project specific Wind Pressures, Stud Spacings and System Specification. Refer to: Fixing Specification for Wind Pressures tables before commencing job.

IMPORTANT: DO NOT overdrive the fixing as this will strip the plastic fixing disc and the fixing will be ineffective.

Panel Fixing Specification for Wind Pressures to AS 4055 & AS/NZS 1170.2

Table One – For Wind Classification to AS 4055 for Wall areas located further than 1200mm from corners						
Wind Classification (AS 4055)	Stud Centres 450mm			Stud Centres 600mm		
	Min Panel Thickness	Fixings per Stud	Fixing Spacings	Min Panel Thickness	Fixings per Stud	Fixing Spacings
N1 & N2	60mm	5	275mm	60mm	5	275mm
N3	60mm	5	275mm	60mm	5	275mm
N4	60mm	5	275mm	75mm	5	275mm

Table Two – For Wind Classification to AS 4055 for Wall areas located within 1200mm of corners						
Wind Classification (AS 4055)	Stud Centres 450mm			Stud Centres 600mm		
	Min Panel Thickness	Fixings per Stud	Fixing Spacings	Min Panel Thickness	Fixings per Stud	Fixing Spacings
N1 & N2	60mm	5	275mm	60mm	5	275mm
N3	60mm	5	275mm	75mm	6	220mm
N4	60mm	7	180mm	100mm	8	150mm

Table Three – AS/NZS 1170.2 – Wind Pressure Criteria Design For Buildings That Fall Outside AS 4055Maximum fixing spacings to satisfy design ultimate wind pressures (kPa)						
Design Ultimate Wind Pressure AS/NZS 1170.2	Stud Centres 450mm			Stud Centres 600mm		
	Min Panel Thickness	Fixings per Stud	Fixing Spacings	Min Panel Thickness	Fixings per Stud	Fixing Spacings
1.0	60mm	5	275mm	60mm	5	275mm
1.5	60mm	5	275mm	60mm	5	275mm
2.0	60mm	5	275mm	60mm	6	220mm
2.5	60mm	6	220mm	75mm	8	150mm
3.0	60mm	7	180mm	75mm	9	130mm
3.5	60mm	8	150mm	100mm	10	120mm
4.0	75mm	9	130mm	100mm	11	110mm
4.5	75mm	10	120mm	–	–	–
5.0	75mm	11	110mm	–	–	–
5.5	75mm	11	110mm	–	–	–

Assumption is based on a panel size of 2400mm x 1200mm panel size. It is acceptable to use a panel thickness equal to or greater than the minimum requirement to satisfy the wind classification and meet thermal requirements. Increased peak pressures occur near the edges of side walls and corners on buildings. Using AS 4055, the size of the building has been assumed and hence the size of these high pressure zones is specified as within 1200mm from wall corners.

Exsulite Pre-Coated Starter Pieces

Profile	Name	"Patent Pending" Application No.	Size and Code Abbreviation:	Uses
	*Exsulite* Reveal & Slab Starter Piece© (SP2)	201512492	M Grade 2400 x 300 x 75mm EX REP 75RVL&SLABCAVITYSP	Slab Edge Rebate: Window Rebate: Cavity / Non Cavity System Window Head: Cavity / Non Cavity System
	*Exsulite* Sill Piece© (SP4)	201512497	M Grade 2400 x 300 x 75mm EX REP 75SILLSP	Window Sill: Cavity And Non Cavity Systems
	*Exsulite* Slab Rebate Non Cavity Starter Piece© (SP5)	201512496	M Grade 2400 x 300 x 75mm EX REP 75SLABNONCAVITYSP	Slab Edge Rebate: Non Cavity System
	*Exsulite* Angled Non Cavity Starter Piece© (SP6)	201512494	M Grade 2400 x 300 x 75mm EX REP 75ANGLENONCAVITYSP	Pitched Metal Roof: Non Cavity System Pitched Tiled Roof: Non Cavity System Flat Metal Roof: Non Cavity System

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Revisions

Issue	Description	Date
4	VERSION 4	01-05-20
2	VERSION 3	01-02-18
1	VERSION 1	01-07-15

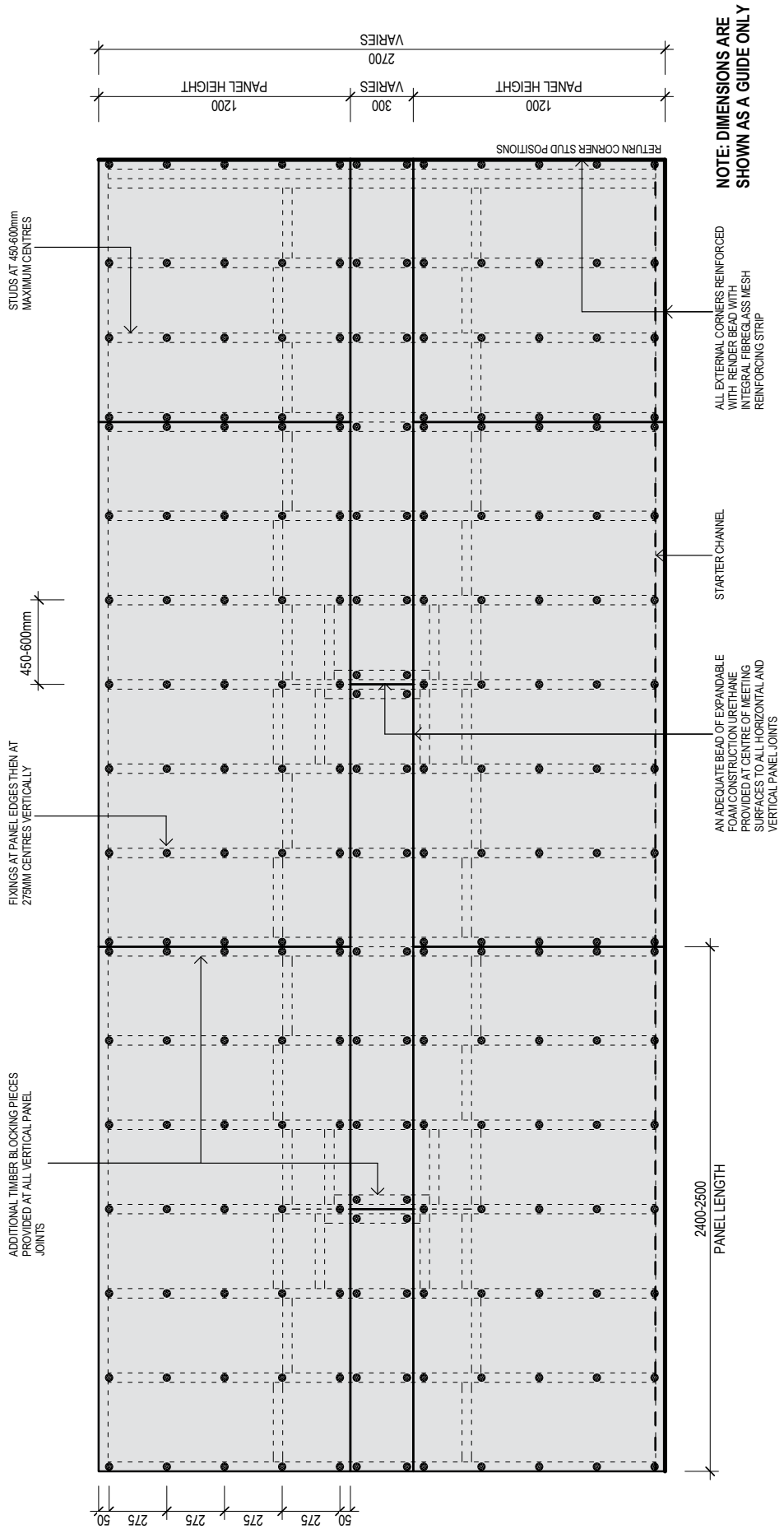
EXSULITE® THERMAL FACADE CLADDING

Drawing Name
PROFILE STARTER PIECES DESCRIPTION AND USES SHEET

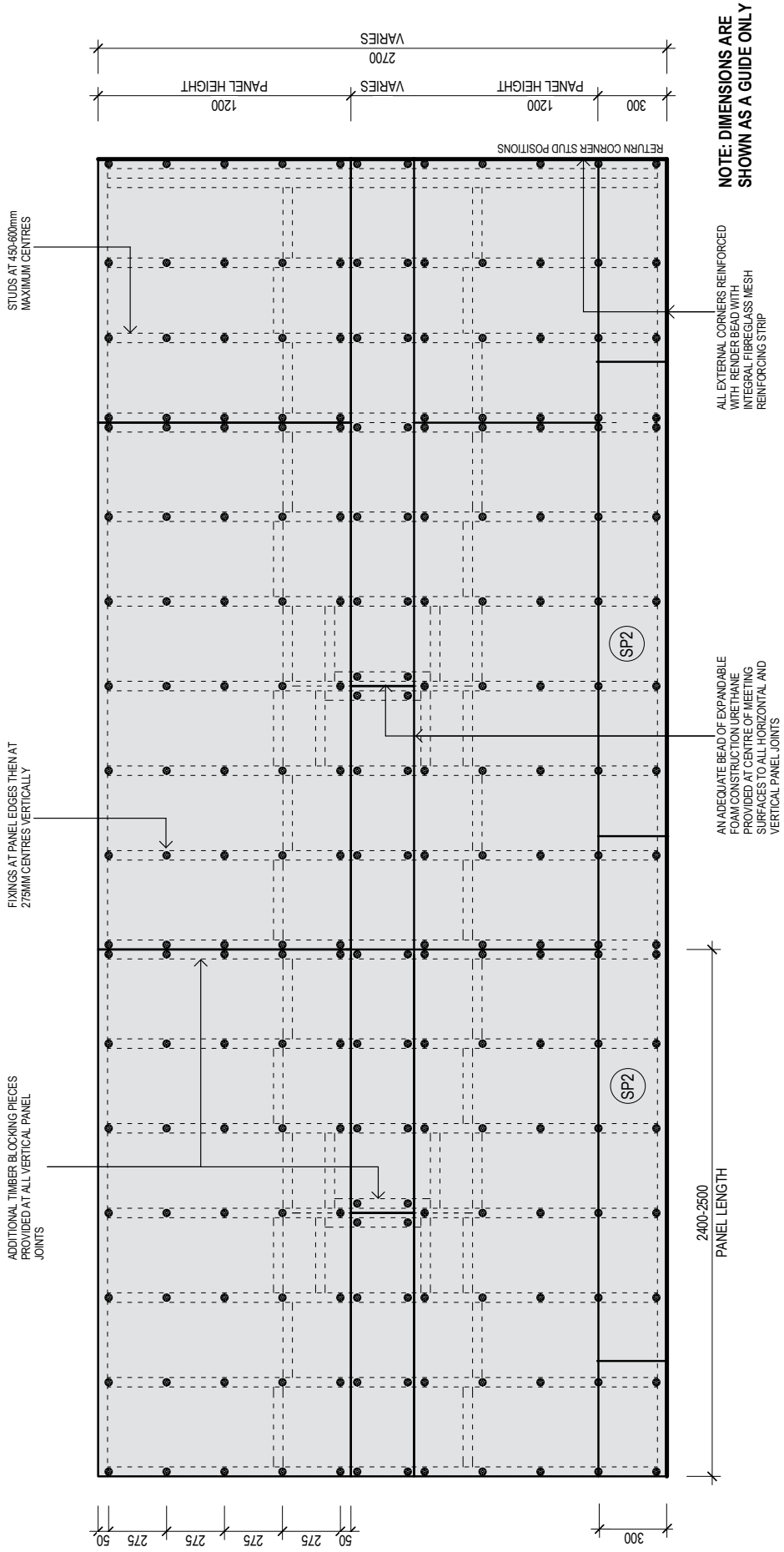
Scale	Drawing Number	Issue
1 : 10 @ A4	EXS-T01A	4

General Set Out for 450 or 600mm Centred Stud Wall: Using Starter Channels for 75 & 100mm Panel

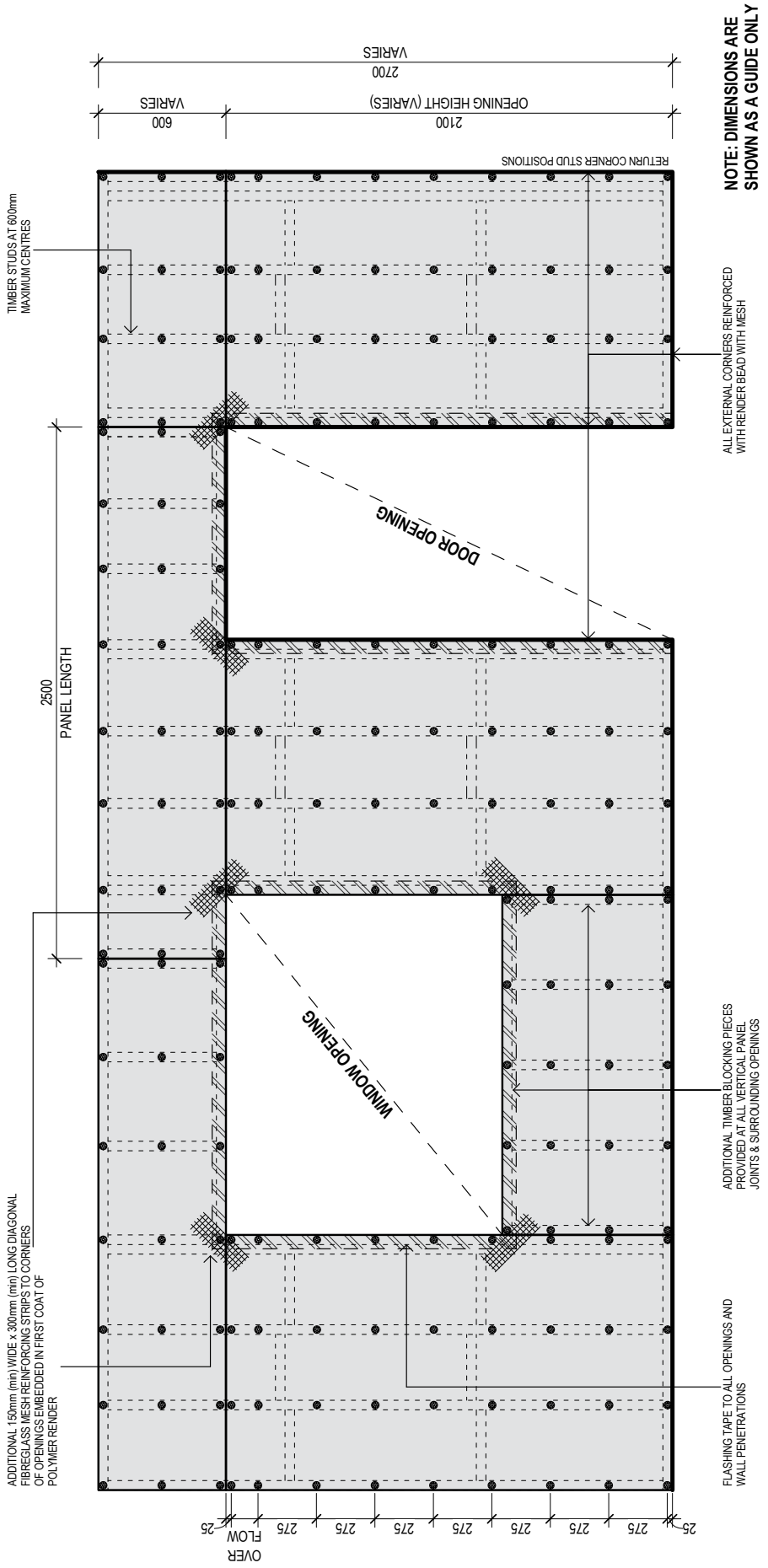
Note: for 50 & 60mm EPS Panel only install to 450mm Stud or Top Hats Centres



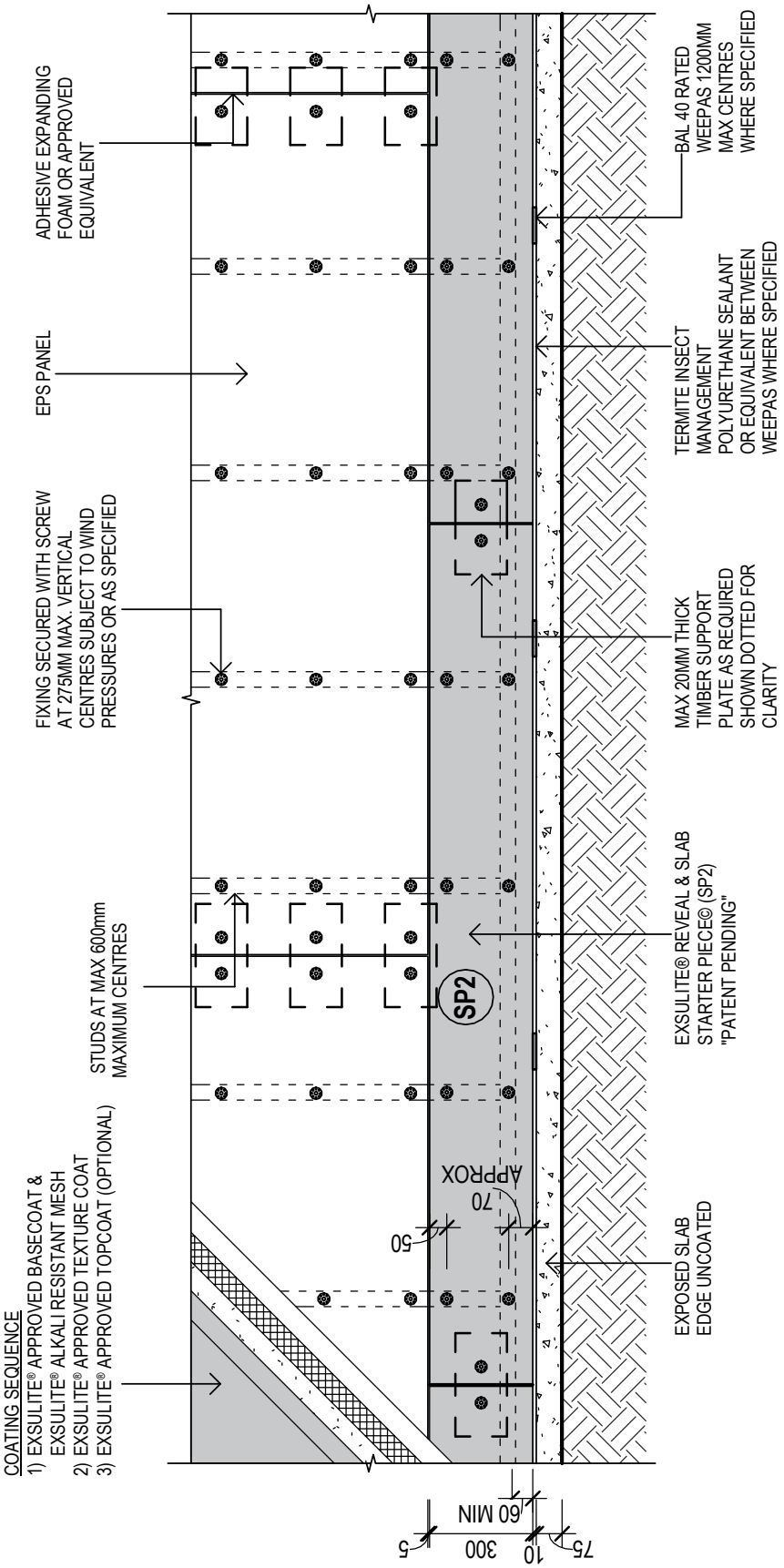
General Set Out for 450 or 600mm Centred Stud Wall: Using SP2 Starter Piece – 75 & 100mm Panel



General Set Out for Openings



Job Set Out using SP2 Starter Piece BAL A-29 & Termite Region



NOTE: DIMENSIONS ARE SHOWN AS A GUIDE ONLY

NOTE: FOR USE IN BAL 29 AND TERMITE REGIONS

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Exsulite® Thermal Facade Cladding

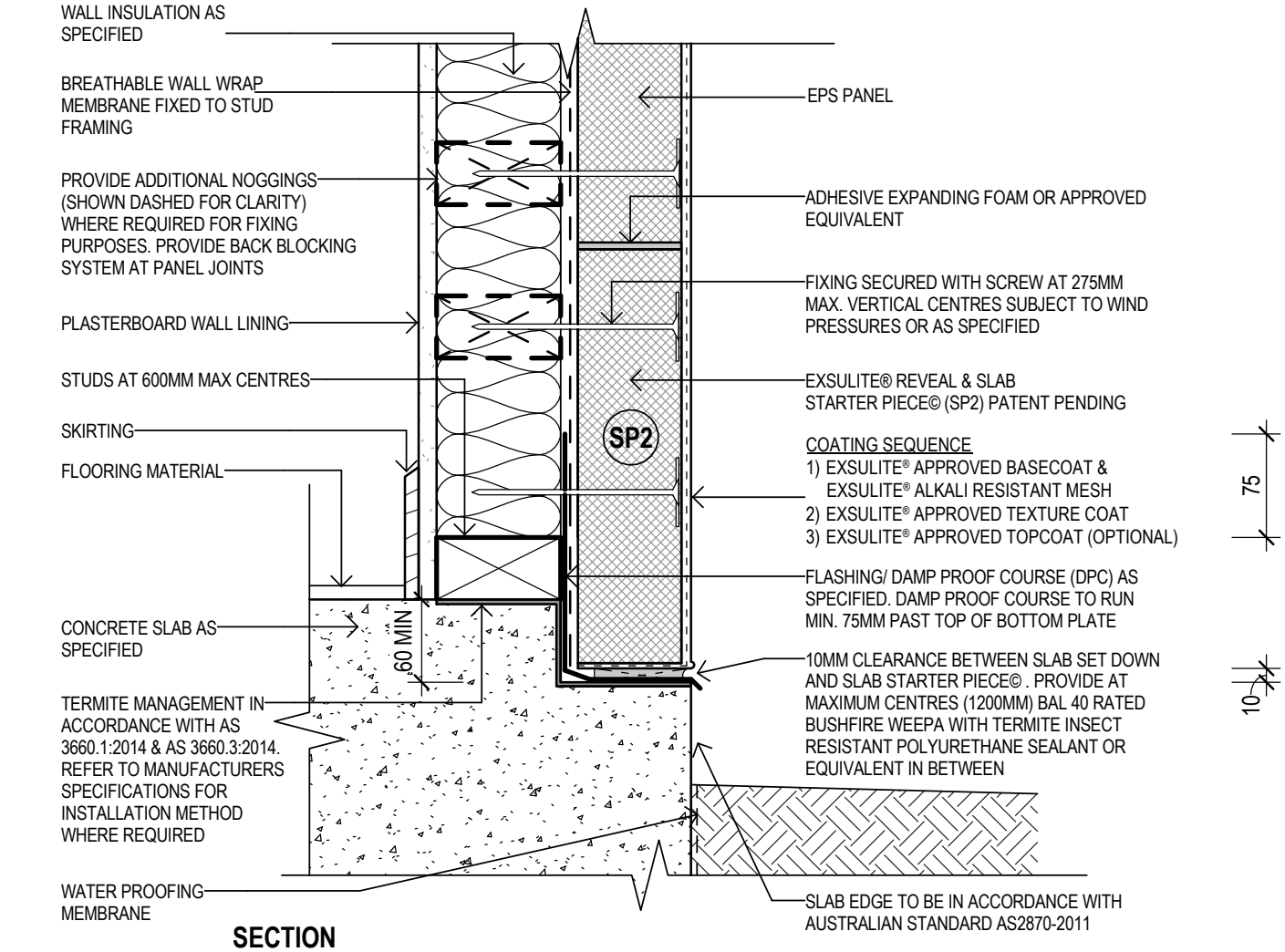
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name
TYPICAL NON-CAVITY SYSTEM SLAB STARTER PIECE
FRONT ELEVATION FOR BAL 29 & TERMITE REGIONS

Scale	Drawing Number	Issue
1 : 20 @ A4	EXS-E01-NCAV	4

Slab Rebate using SP2 Starter Piece BAL A-29 & Termite Region



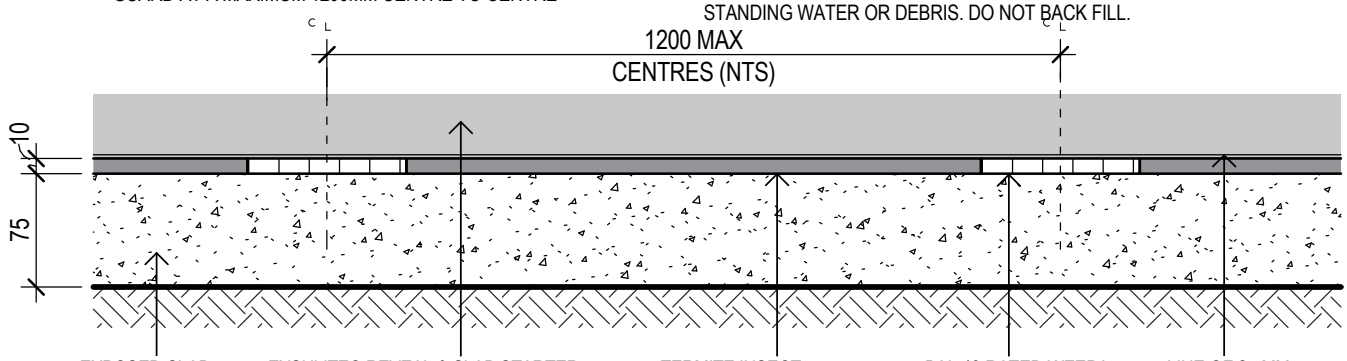
SECTION

NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANEL IS SHOWN GREATER FOR CLARITY.

NOTE: PROVIDE BUSHFIRE COMPLIANCE BAL 40 RATED WEEPAS - TO AS3959 WITH VERMIN GUARD AT A MAXIMUM 1200MM CENTRE TO CENTRE

NOTE: ADHESIVE EXPANDING FOAM TO BE INSTALLED ONCE ALL EPS PANELS HAVE BEEN SECURED. ALLOW MAXIMUM 5MM GAP BETWEEN ALL PANEL JUNCTIONS UNLESS STATED OTHERWISE.

NOTE: DO NOT INSTALL EXTERNAL CLADDING IN AREAS WHERE IT MAY REMAIN IN CONTACT WITH STANDING WATER OR DEBRIS. DO NOT BACK FILL.



ELEVATION

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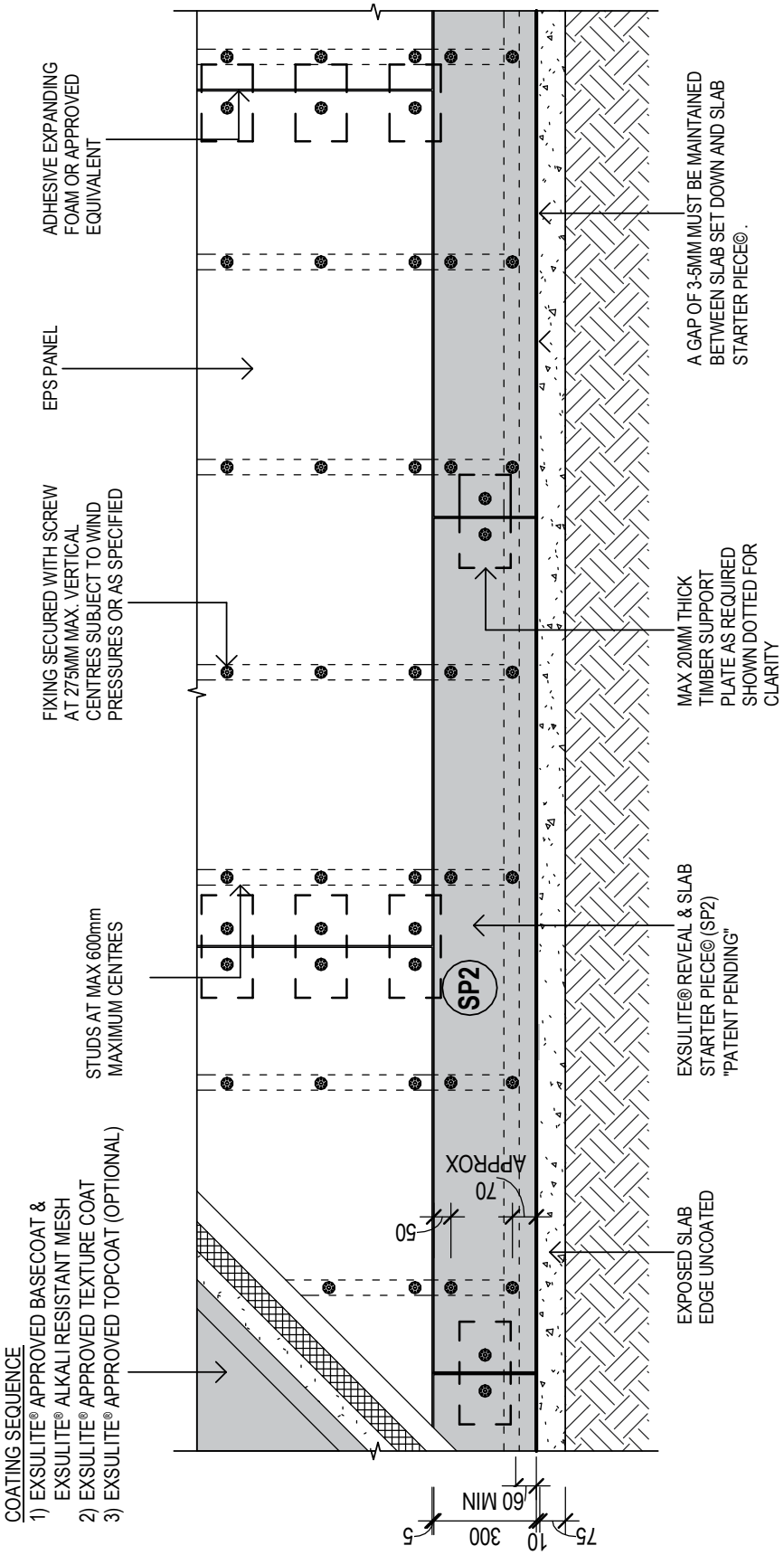
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM SLAB STARTER PIECE & SLAB REBATE DETAIL FOR BAL 29 & TERMITE REGIONS

Scale	Drawing Number	Issue
1 : 5 @ A4	EXS-101A-NCAV	4

Job Set Out using Starter Channel BAL A-29 & Termite Region



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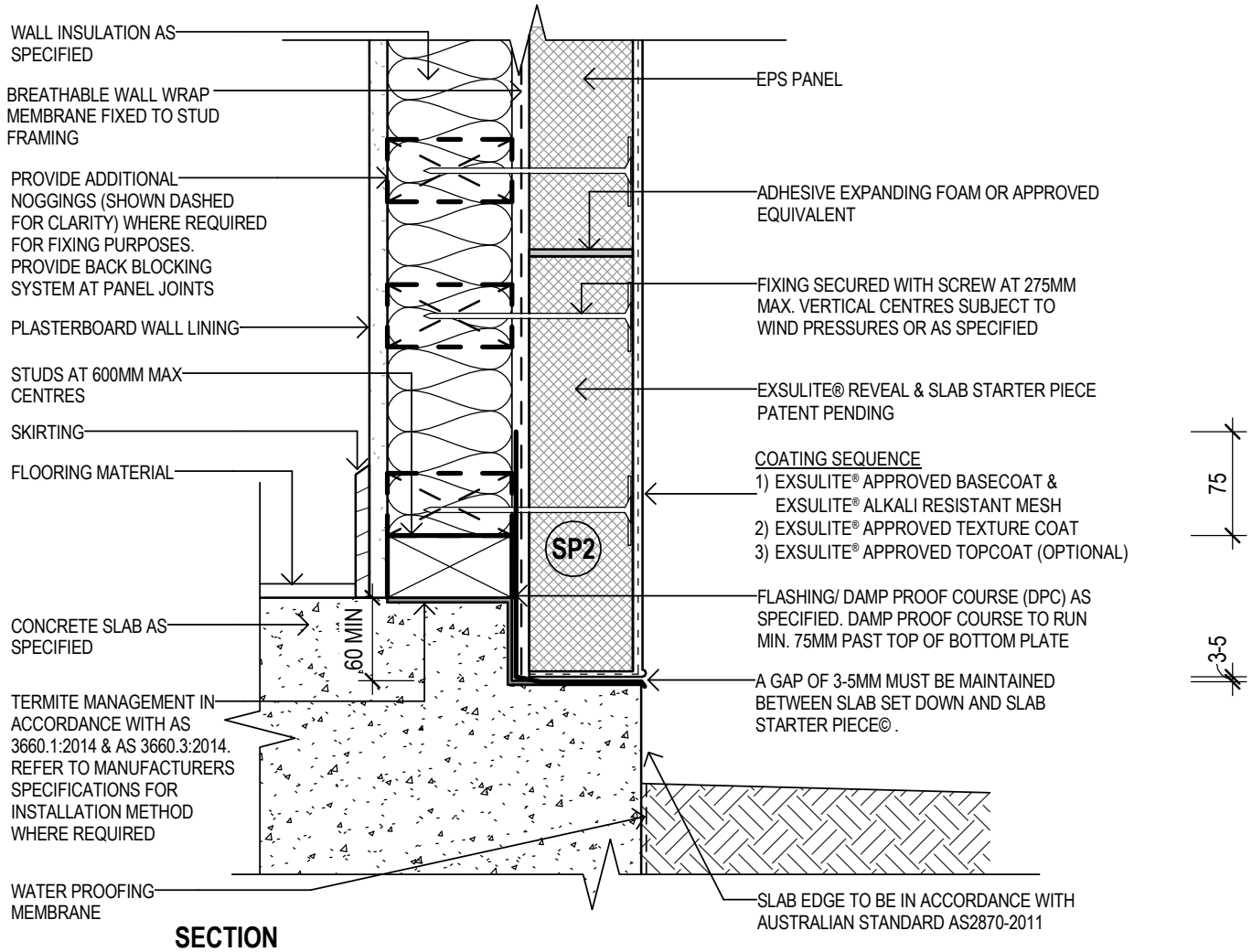
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name
TYPICAL NON-CAVITY SYSTEM SLAB STARTER PIECE
FRONT ELEVATION FOR NON BAL 29 & TERMITE REGIONS

Scale	Drawing Number	Issue
1 : 20 @ A4	EXS-E01B-NCAV	4

Job Set Out using SP2 Starter Piece Non BAL A-29 & Termite Region



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NOTE: ADHESIVE EXPANDING FOAM TO BE INSTALLED ONCE ALL EPS PANELS HAVE BEEN SECURED. ALLOW MAXIMUM 3MM GAP BETWEEN ALL PANEL JUNCTIONS UNLESS STATED OTHERWISE.

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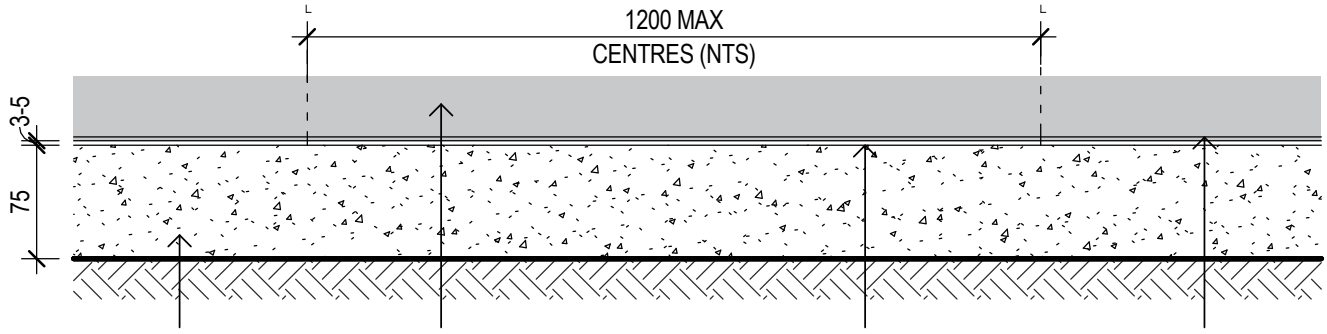

ELEVATION

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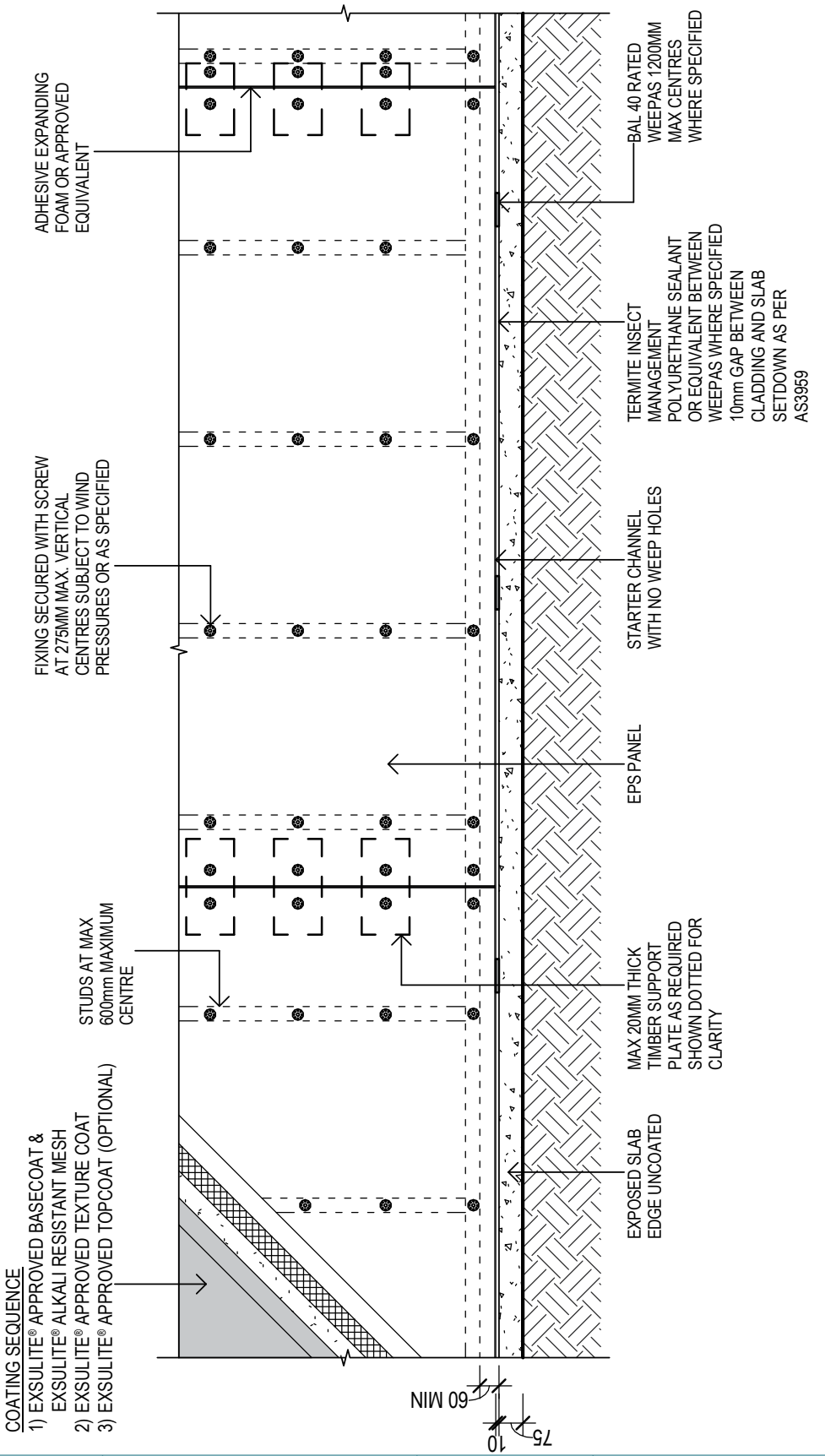
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM SLAB STARTER PIECE & SLAB REBATE DETAIL FOR NON BAL 29 & TERMITE REGIONS

Scale	Drawing Number	Issue
1 : 5 @ A4	EXS-101B-NCAV	4

Job Set Out using Starter Channel BAL A-29 & Termite Region



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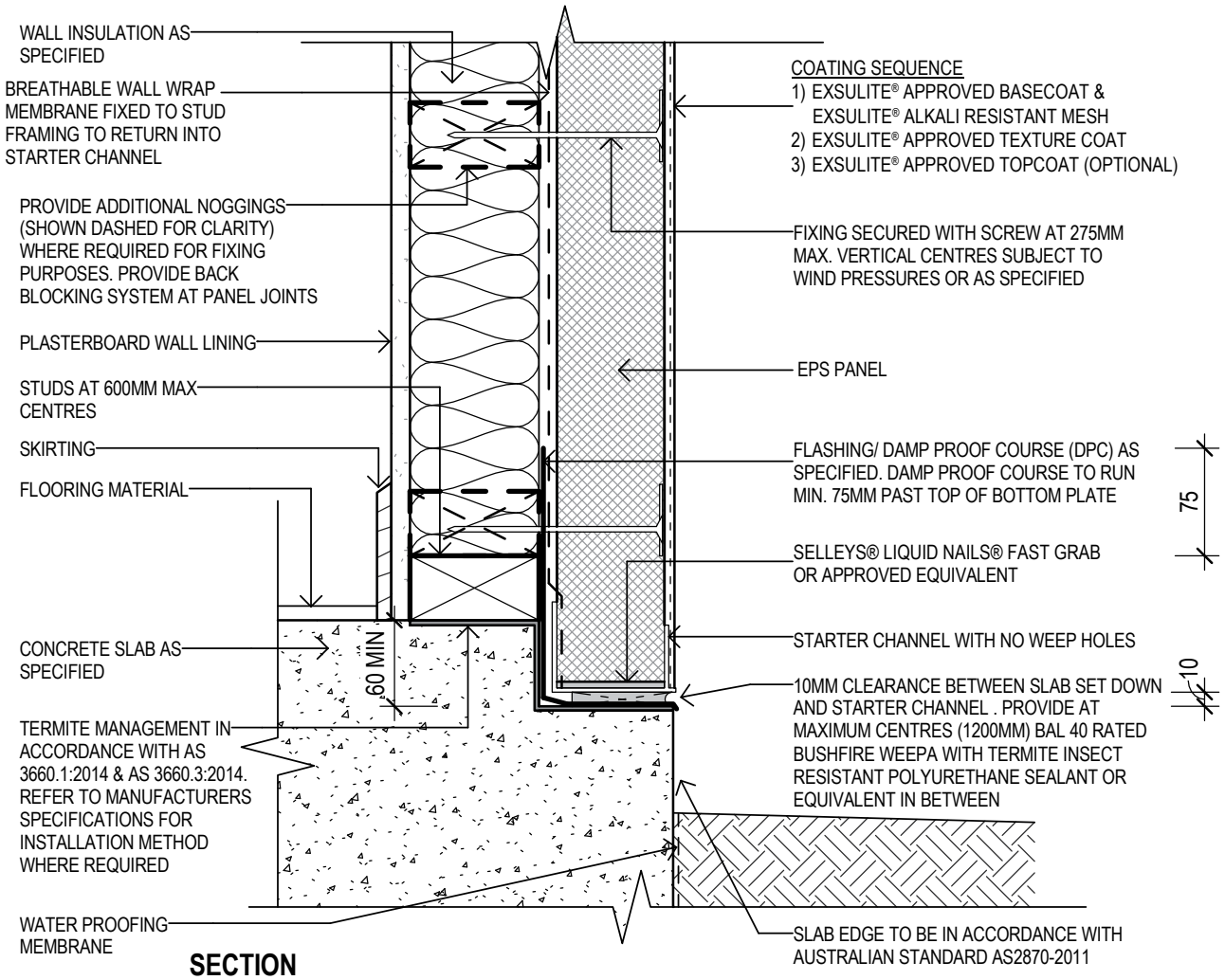
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 3	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name
TYPICAL NON-CAVITY SYSTEM SLAB STARTER CHANNEL FRONT ELEVATION FOR BAL 29 & TERMITE REGIONS

Scale	Drawing Number	Issue
1 : 20 @ A4	EXS-E01E-NCAV	4

Slab Rebate using Starter Channel BAL A-29 & Termite Region



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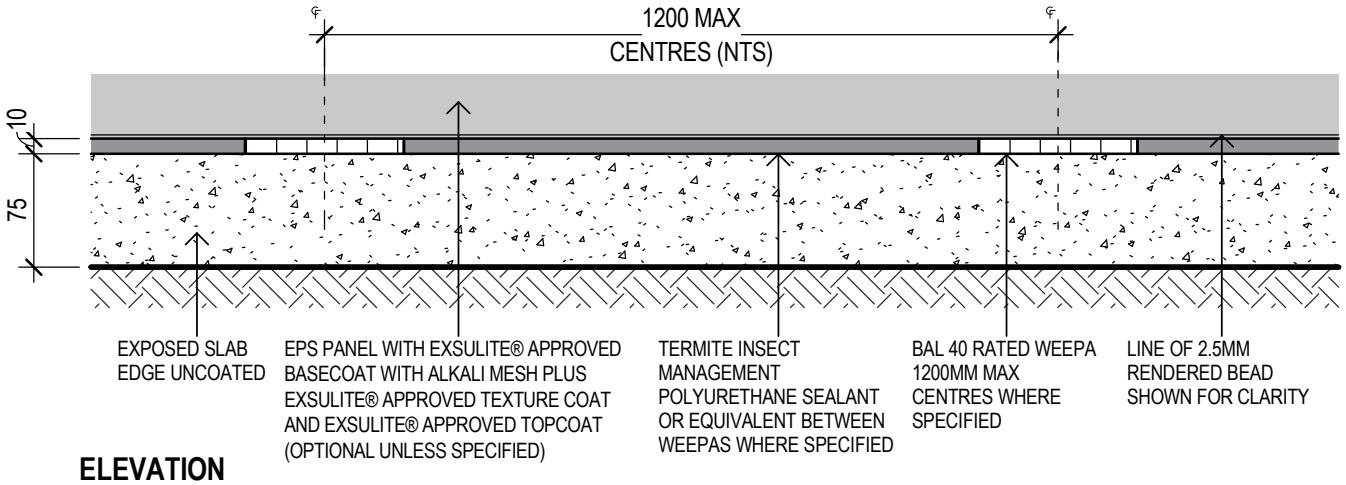

ELEVATION

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Revisions

Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

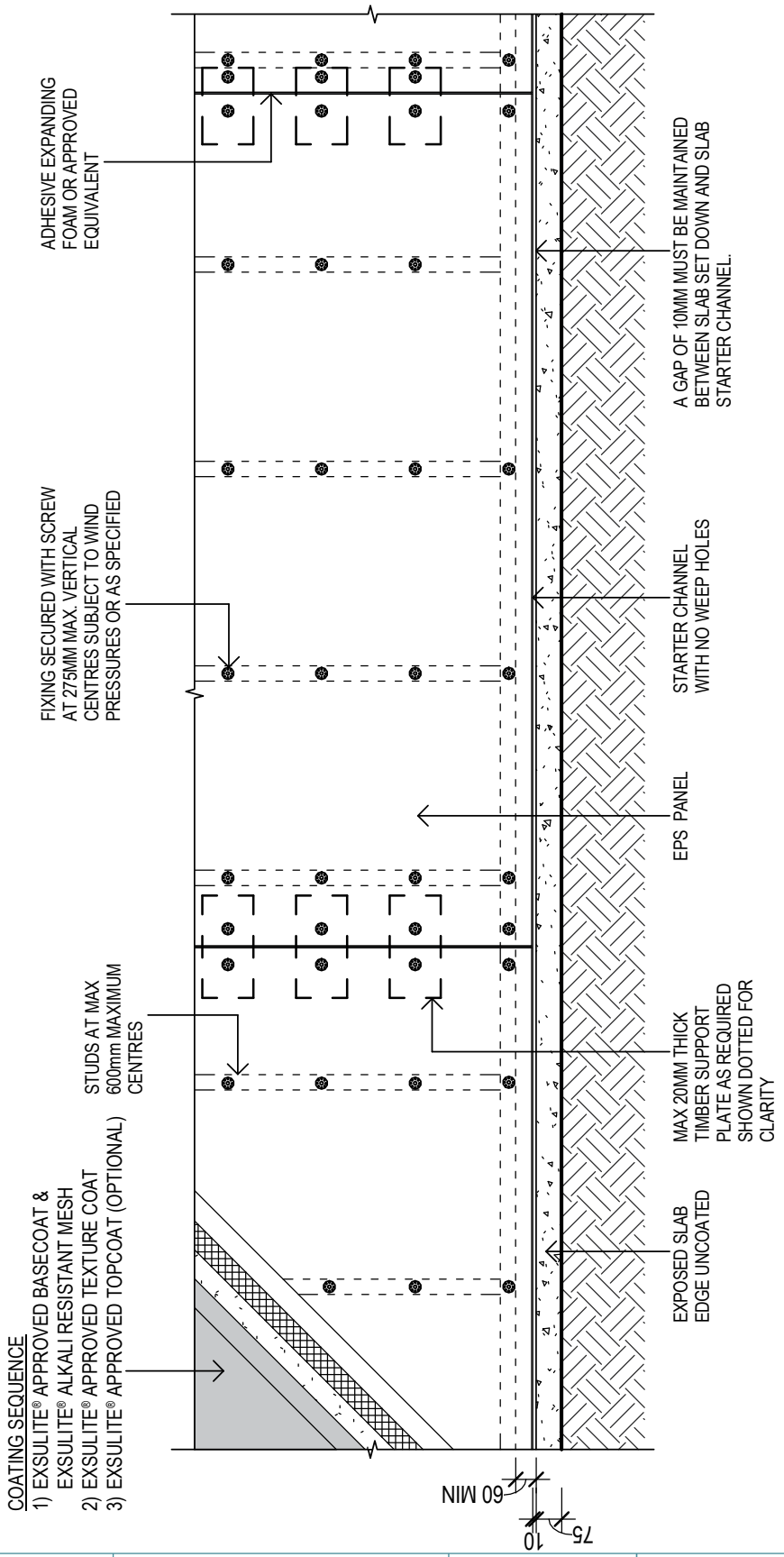
EXSULITE® THERMAL FACADE CLADDING

Drawing Name

TYPICAL NON-CAVITY SYSTEM SLAB STARTER CHANNEL & SLAB REBATE DETAIL FOR BAL 29 & TERMITE REGIONS

Scale	Drawing Numbe	Issue
1 : 5 @ A4	EXS-101E-NCAV	4

Job Set Out using Starter Channel Non BAL A-29 & Termite Region



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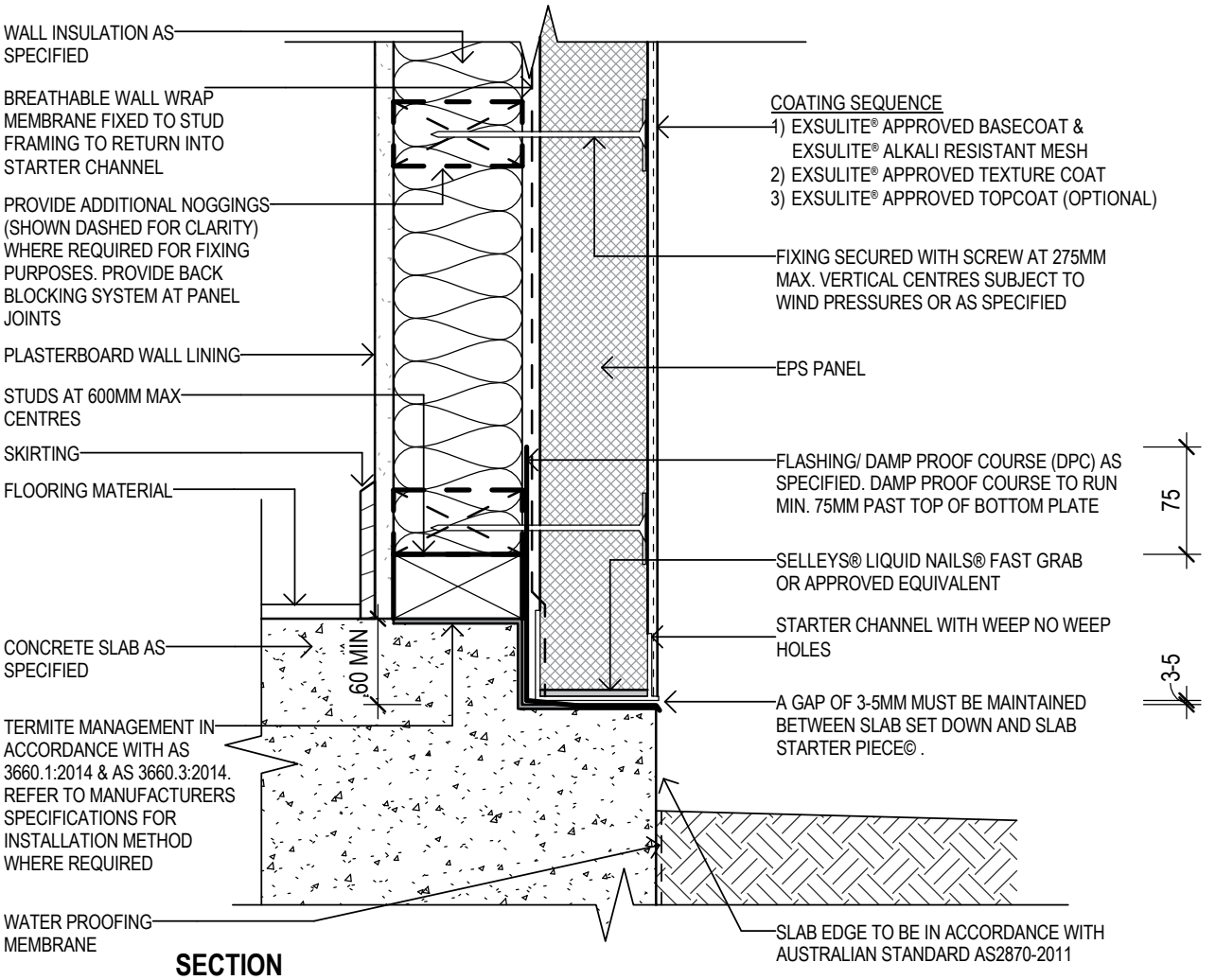
EXSULITE® THERMAL FACADE CLADDING

Drawing Name
TYPICAL NON-CAVITY SYSTEM SLAB STARTER CHANNEL FRONT ELEVATION FOR NON BAL 29 & TERMITE REGIONS

Scale	Drawing Number	Issue
1 : 20 @ A4	EXS-E01F-NCAV	4

Slab Rebate using Starter Channel Non BAL A-29 & Termite Region



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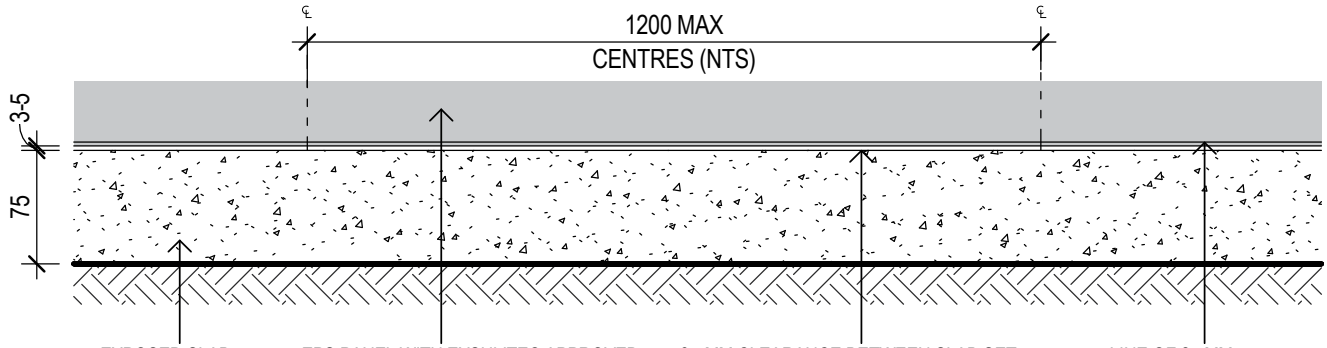

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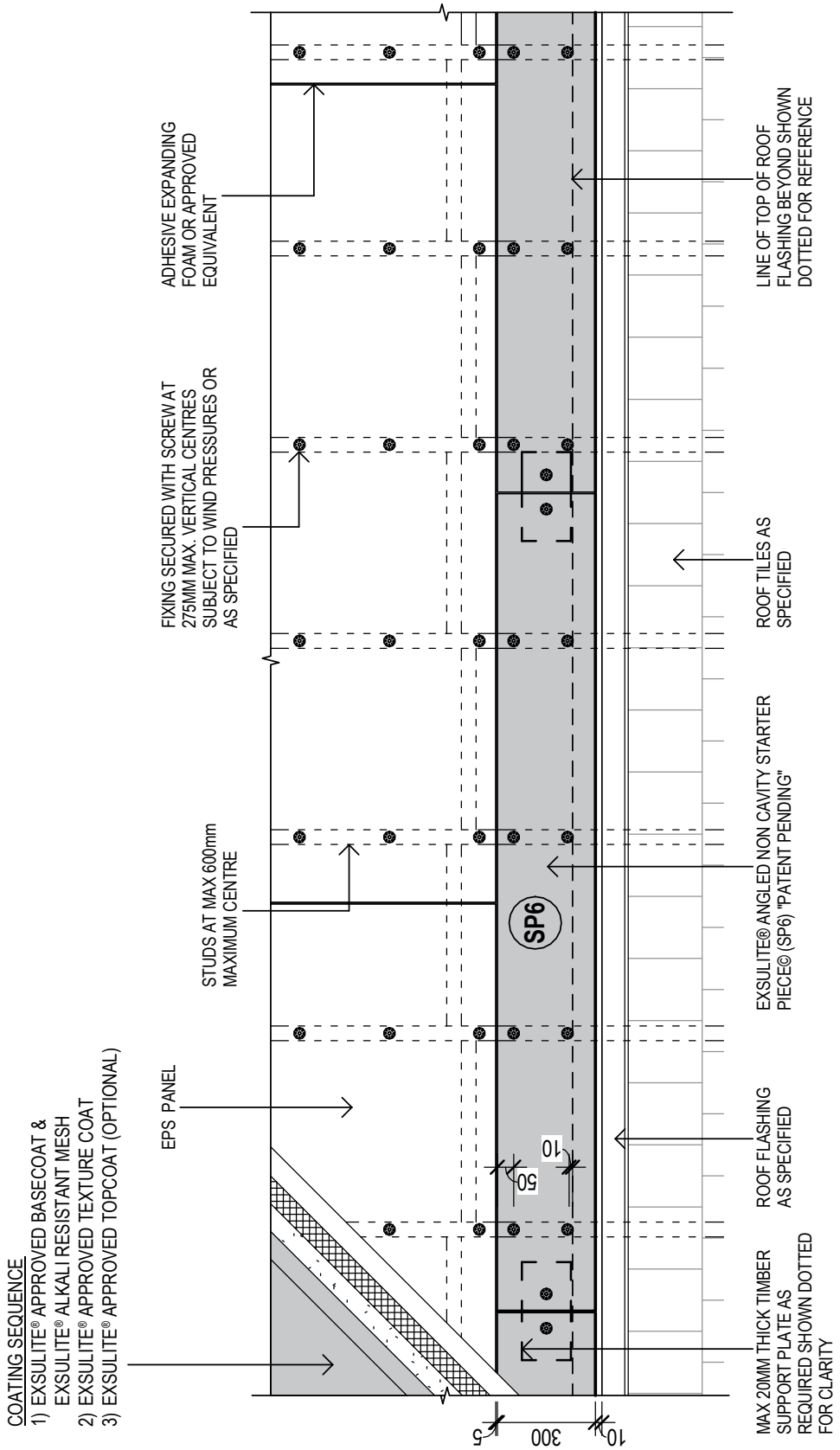
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM SLAB STARTER CHANNEL & SLAB REBATE DETAIL FOR NON BAL 29 & TERMITE REGIONS

Scale	Drawing Number	Issue
1 : 5 @ A4	EXS-101F-NCAV	4

Set Out for Angled SP6 Starter Piece over Roof



NOTE: DIMENSIONS ARE SHOWN AS A GUIDE ONLY

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Exsulite® Thermal Facade Cladding

Revisions

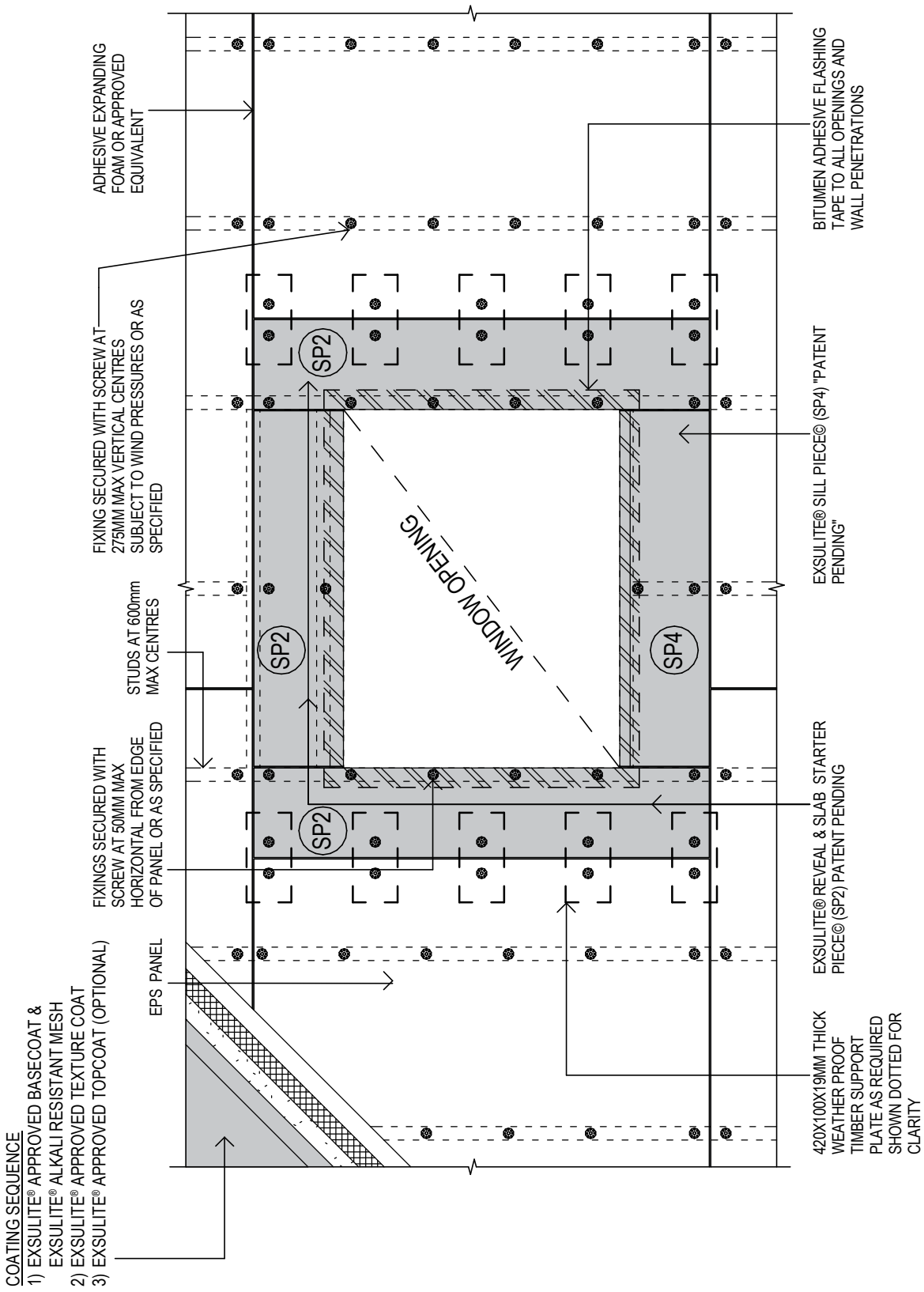
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM - ROOF TILES TO NON CAVITY STARTER PIECE - FRONT ELEVATION

Scale	Drawing Number	Issue
1 : 20 @ A4	EXS-E02-NCAV	4

Set Out for Window and Wall Openings



NOTE: DIMENSIONS ARE SHOWN AS A GUIDE ONLY

Exsulite® Thermal Facade Cladding

Revisions

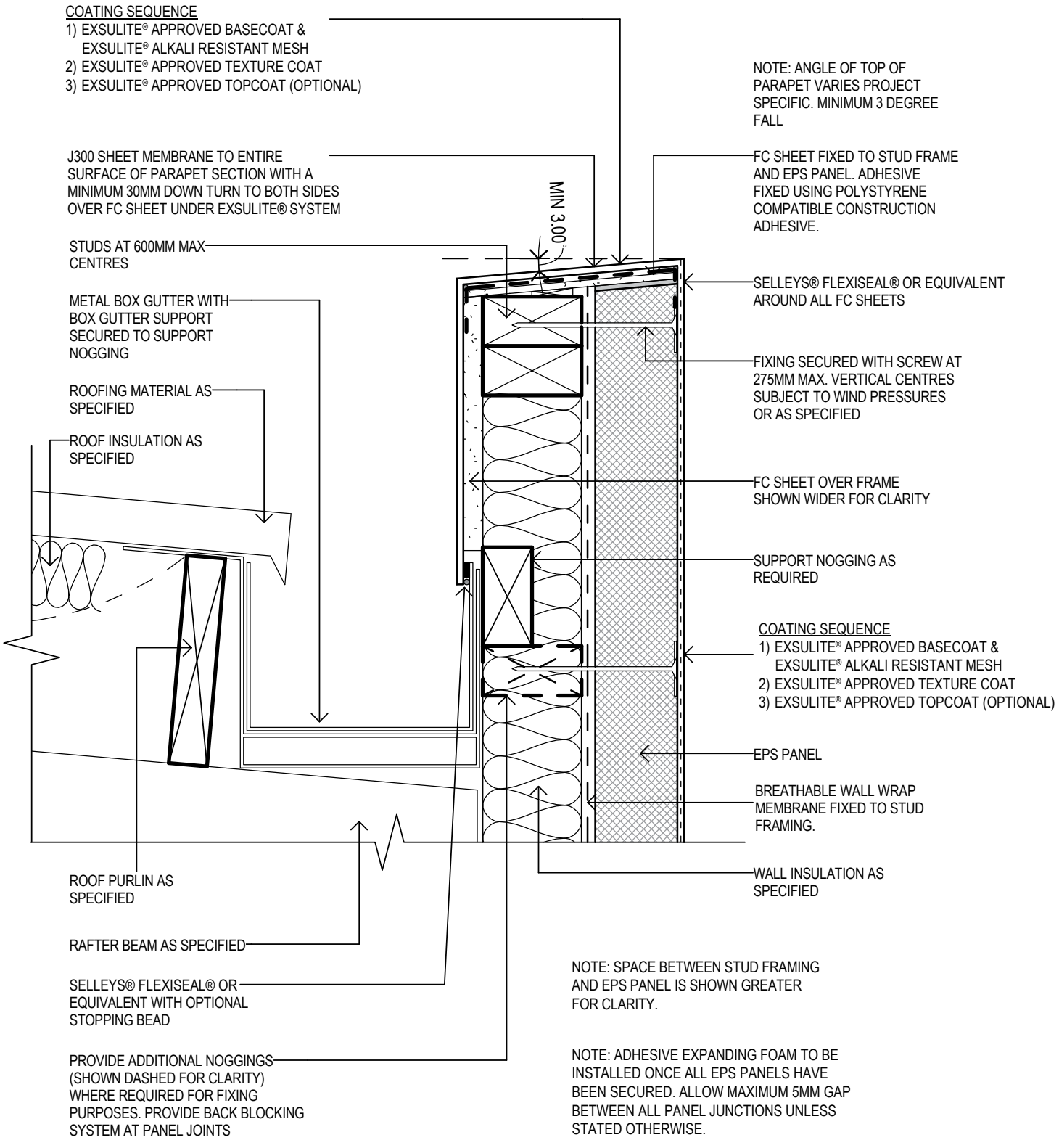
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM - STARTER PIECE SILL & WINDOW OPENING FRONT ELEVATION

Scale	Drawing Number	Issue
1 : 20 @ A4	EXS-E03-NCAV	4

Parapet Wall Construction To Box Gutter



Exsulite® Thermal Facade Cladding

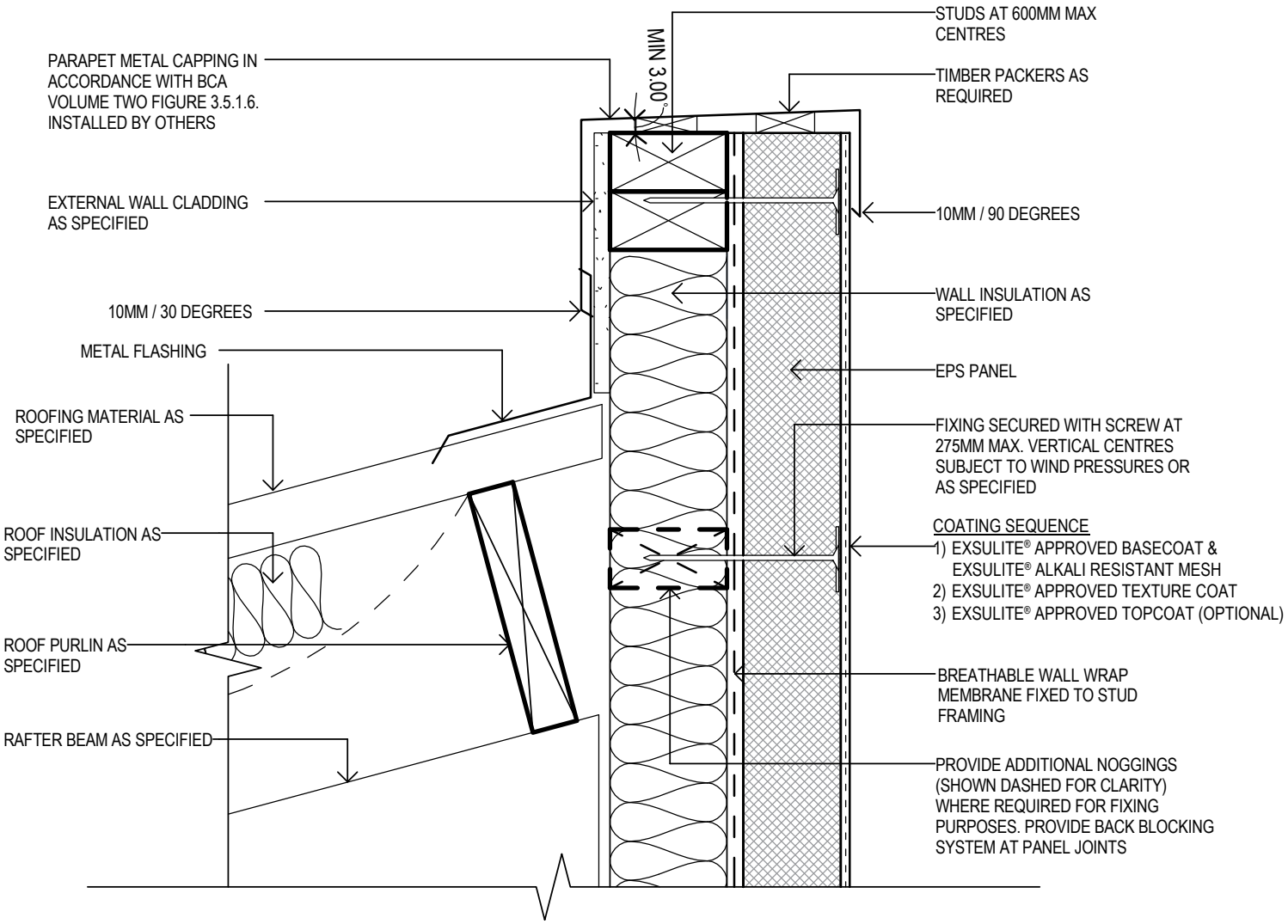
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name
TYPICAL NON-CAVITY SYSTEM - PARAPET WALL CONSTRUCTION TO BOX GUTTER DETAIL

Scale	Drawing Number	Issue
1 : 5 @ A4	EXS-200-NCAV	4

Metal Flashed Parapet



NOTE: ADHESIVE EXPANDING FOAM TO BE INSTALLED ONCE ALL EPS PANELS HAVE BEEN SECURED. ALLOW MAXIMUM 5MM GAP BETWEEN ALL PANEL JUNCTIONS UNLESS STATED OTHERWISE.

NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANEL IS SHOWN GREATER FOR CLARITY.

Exsulite® Thermal Facade Cladding

Revisions

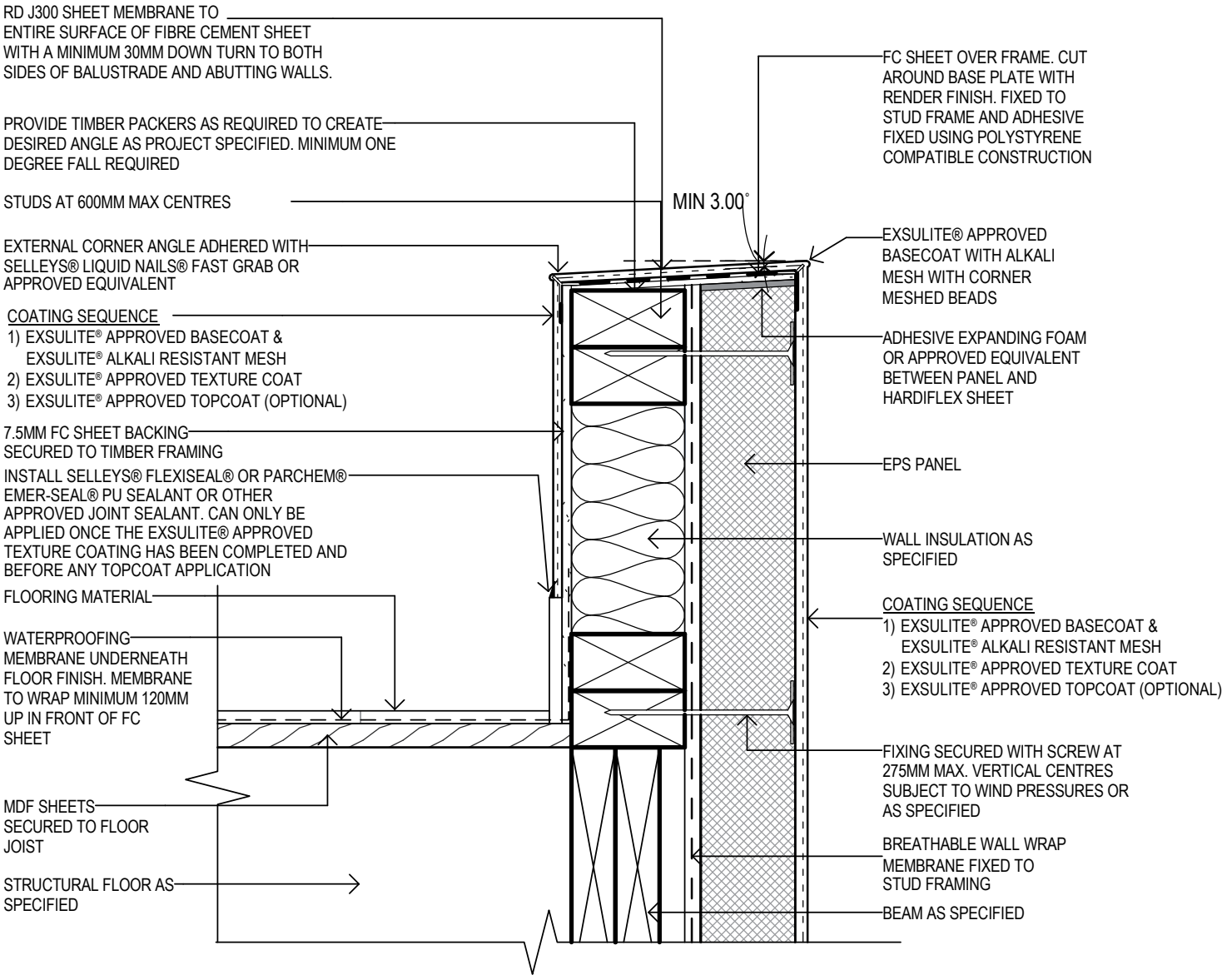
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM - METAL CAPPING PARAPET DETAIL

Scale	Drawing Number	Issue
1 : 5 @ A4	EXS-201-NCAV	4

Balcony Wall or Parapet To Floor (Waterproof floor)



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Exsulite® Thermal Facade Cladding

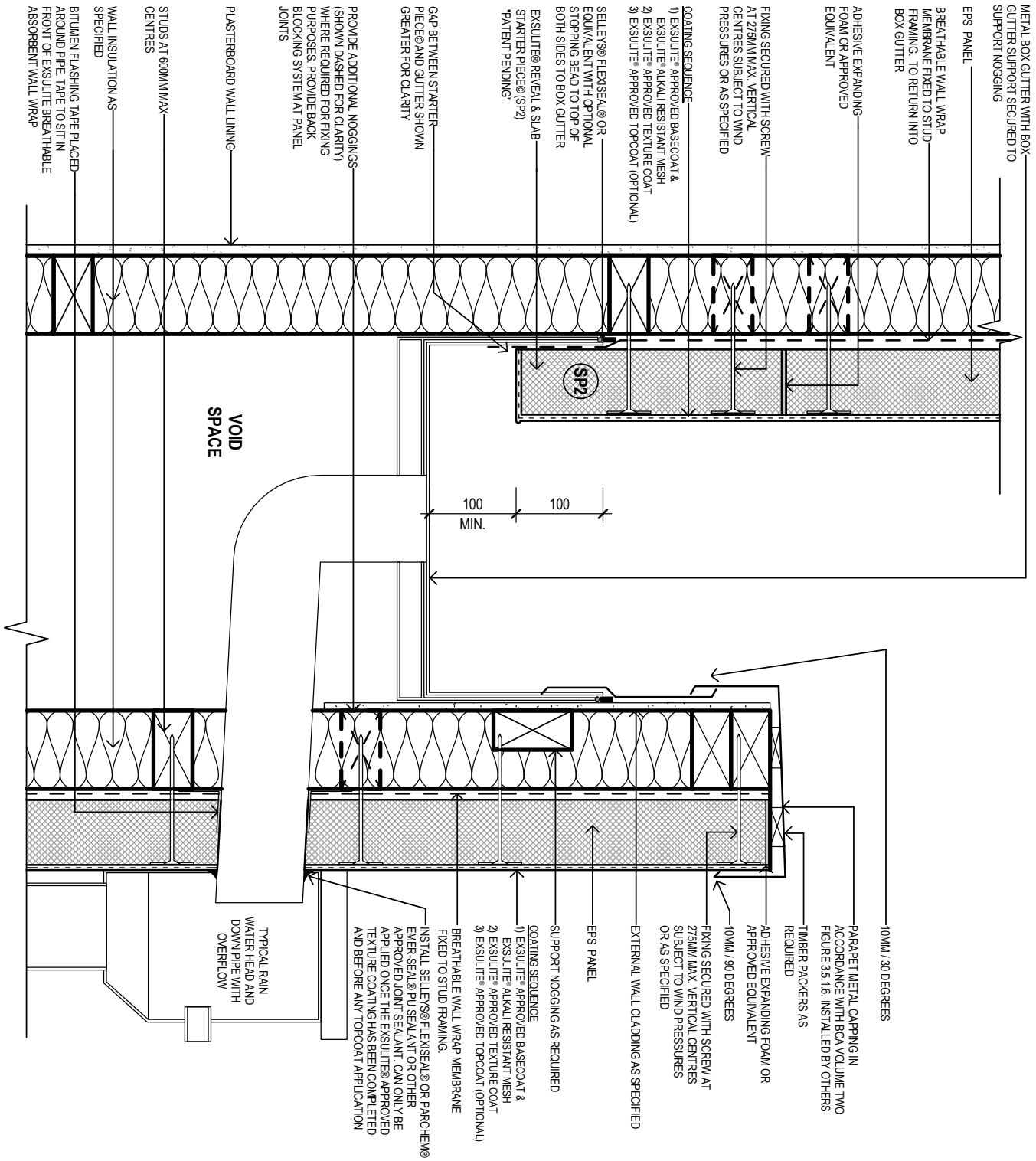
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM - BALUSTRADE WALL CONSTRUCTION DETAIL

Scale	Drawing Number	Issue
1 : 5 @ A4	EXS-202-NCAV	4

Metal Flashed Parapet With Box Gutter To Rain Head Adjacent Wall



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NOTE: ADHESIVE EXPANDING FOAM TO BE INSTALLED ONCE ALL EPS PANELS HAVE BEEN SECURED. ALLOW MAXIMUM 5MM GAP BETWEEN ALL PANEL JUNCTIONS UNLESS STATED OTHERWISE.

NOTE: DO NOT INSTALL EXTERNAL CLADDING IN AREAS WHERE IT MAY REMAIN IN CONTACT WITH STANDING WATER OR DEBRIS. DO NOT BACK FILL.

Exsulite® Thermal Facade Cladding

Revisions

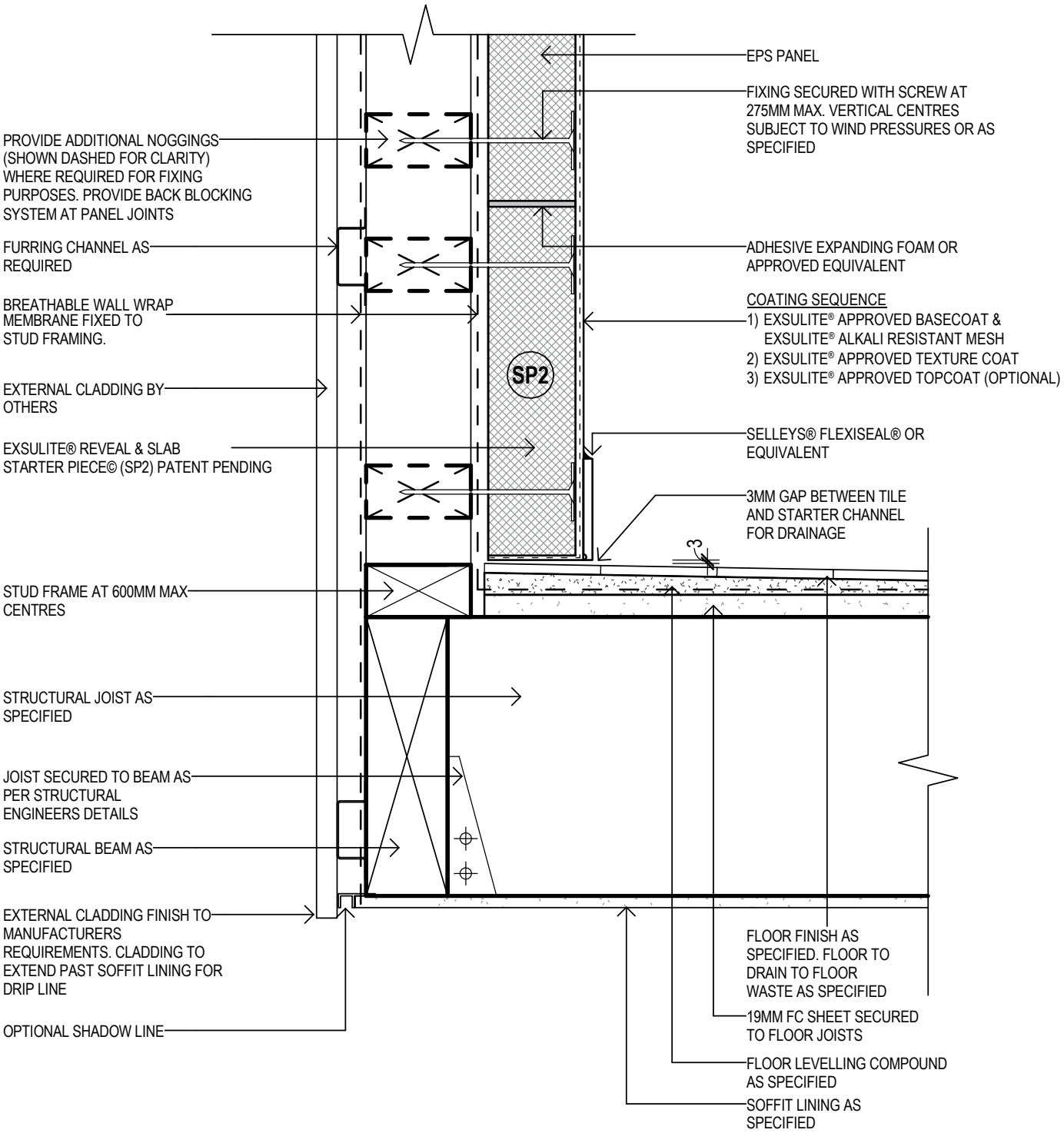
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM METAL FLASHING PARAPET WITH BOX GUTTER TO RAIN WATER HEAD ADJACENT WALL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-206-NCAV	4

Balcony Wall To Floor Waterproofing



NOTE: SPACE BETWEEN STUD FRAMINGAND EPS PANEL IS SHOWN GREATER FOR CLARITY.

NOTE: ADHESIVE EXPANDING FOAM TO BE INSTALLED ONCE ALL EPS PANELS HAVE BEEN SECURED. ALLOW MAXIMUM 5MM GAP BETWEEN ALL PANEL JUNCTIONS UNLESS STATED OTHERWISE.

NOTE: 3MM MIN CLEARANCE BETWEEN FLOOR LEVELLING COMPOUND AND EXSULITE® STARTER PIECE

Exsulite® Thermal Facade Cladding

Revisions

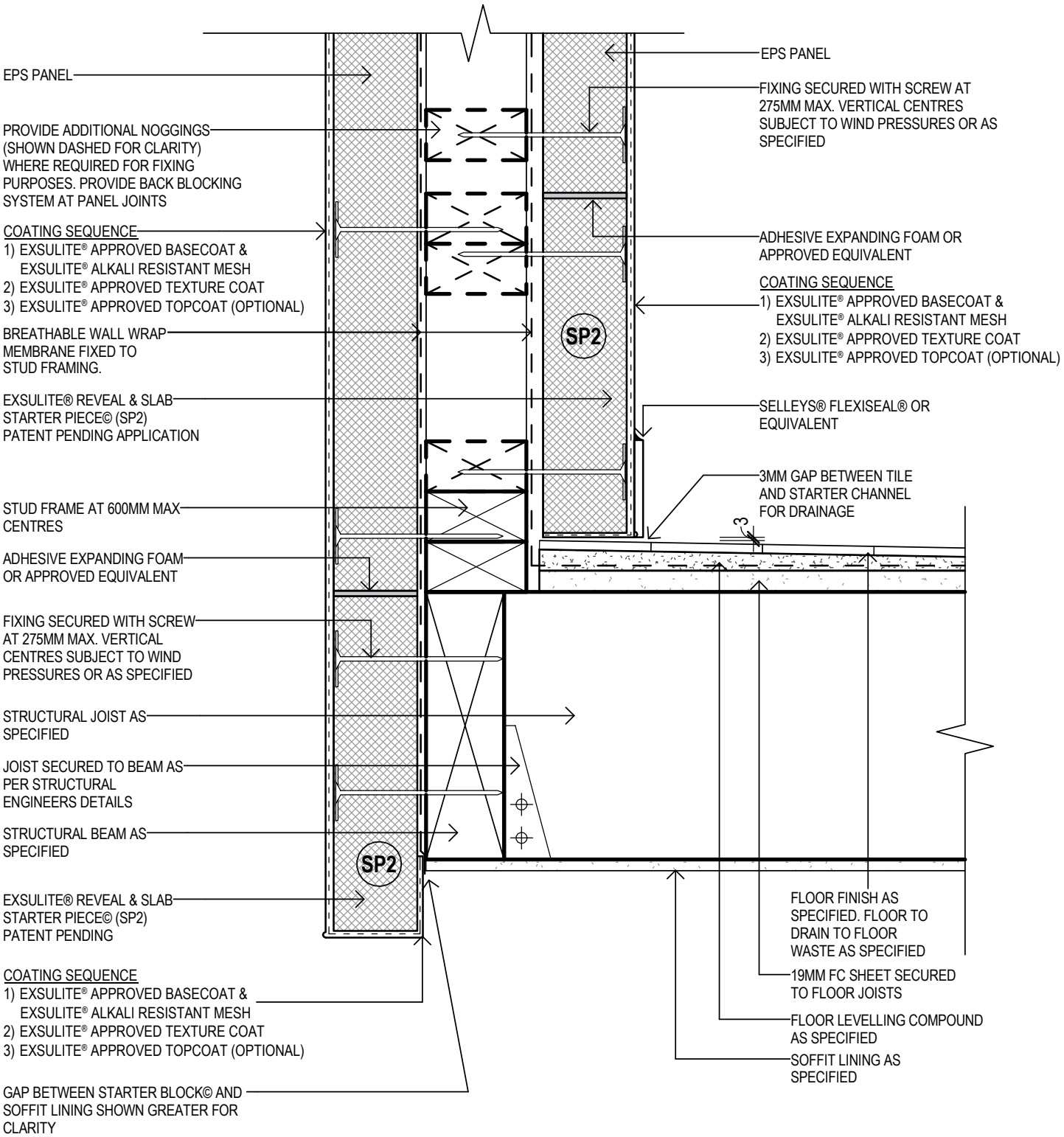
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - BALCONY WALL TO FLOOR WATERPROOFING DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-301-NCAV	4

Balcony Wall To Floor *Exsulite* Both Sides Waterproofing



NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANELS IS SHOWN GREATER FOR CLARITY.

NOTE: ADHESIVE EXPANDING FOAM TO BE INSTALLED ONCE ALL EPS PANELS HAVE BEEN SECURED. ALLOW MAXIMUM 5MM GAP BETWEEN ALL PANEL JUNCTIONS UNLESS STATED OTHERWISE.

Exsulite® Thermal Facade Cladding

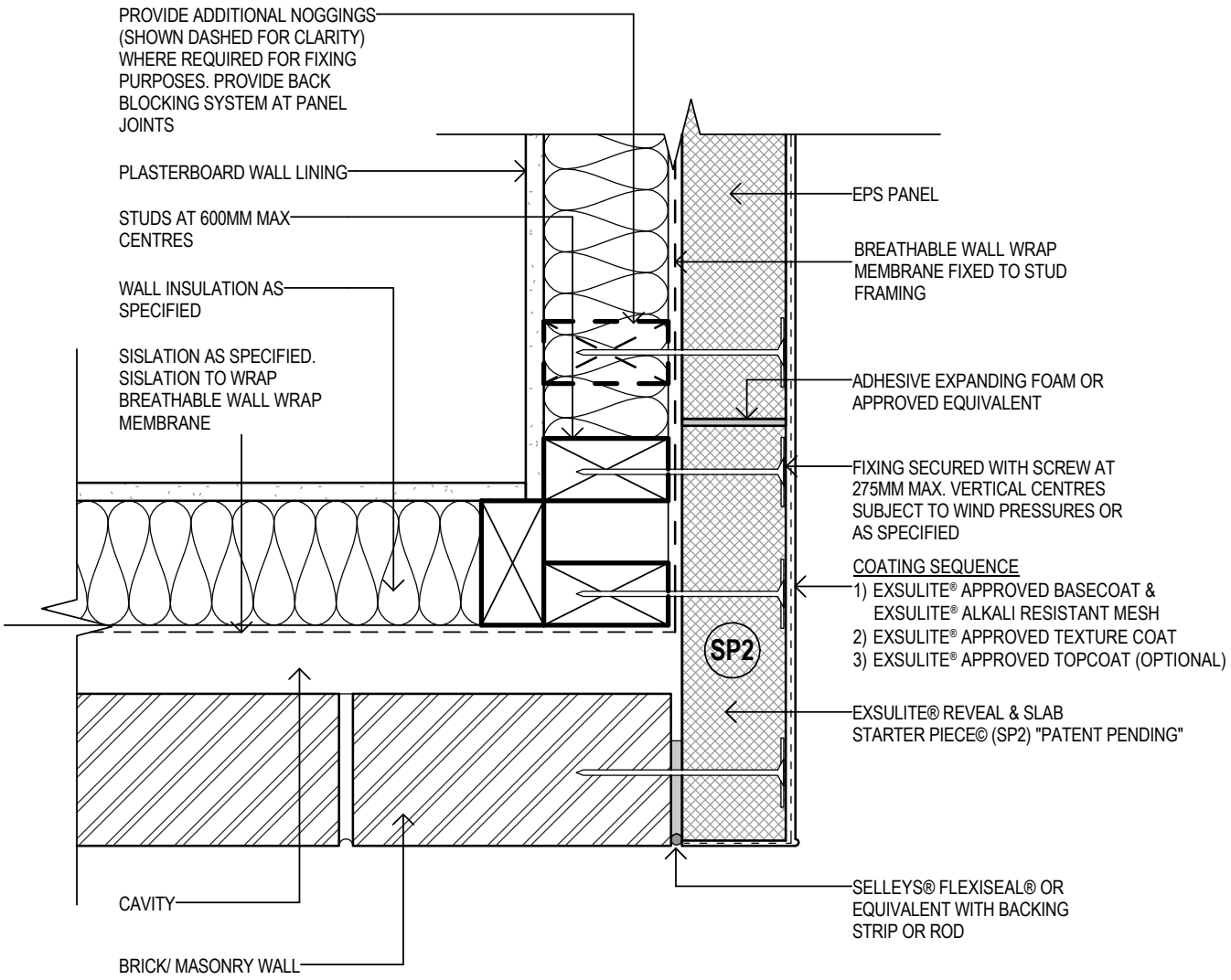
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-02-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM BALCONY WALL TO FLOOR EXSULITE BOTH SIDES WATERPROOFING DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-303-NCAV	4

Masonry Junction Detail



NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANEL IS SHOWN GREATER FOR CLARITY.

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Exsulite® Thermal Facade Cladding

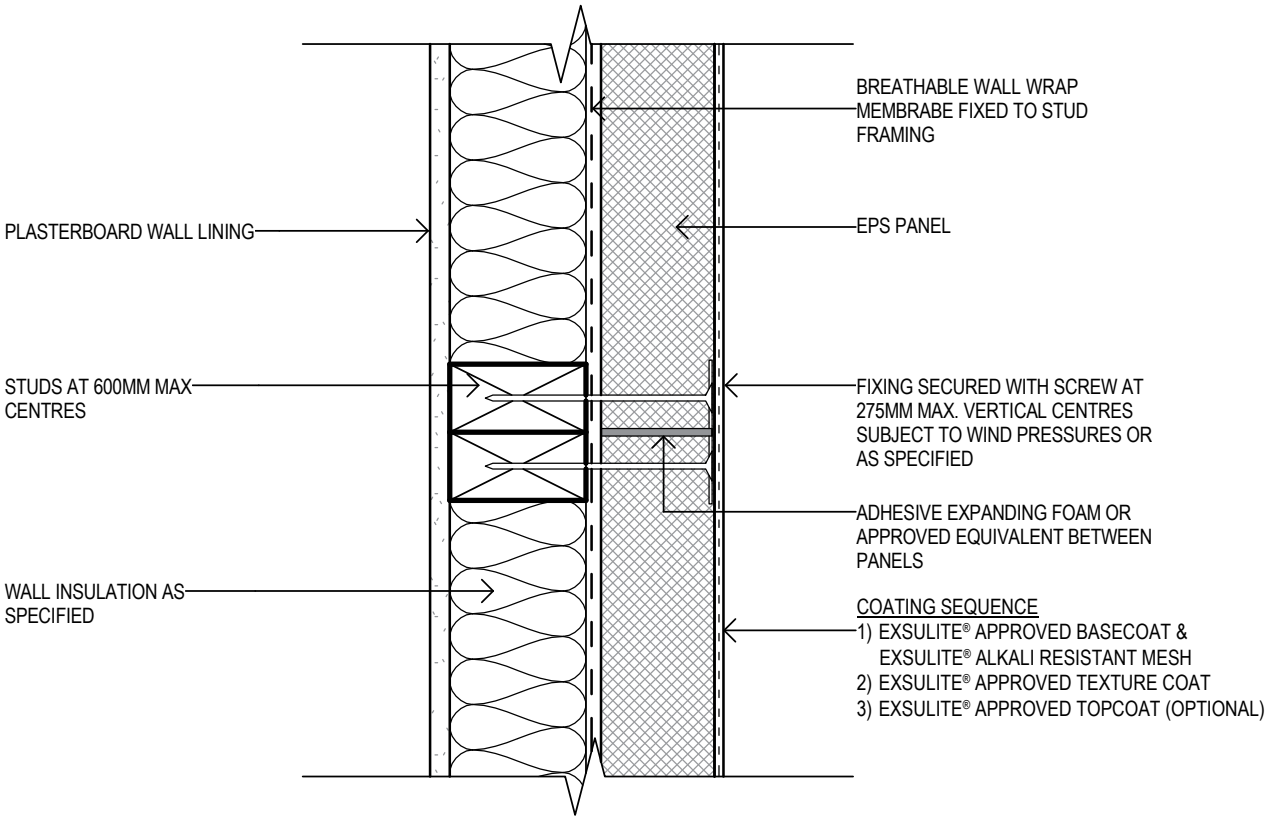
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM - PANEL TO MASONARY JUNCTION DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-401.1-NCAV	4

Double Stud Panel Junction (Panel Joining Detail)



NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANEL IS SHOWN GREATER FOR CLARITY.

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Exsulite® Thermal Facade Cladding

Revisions

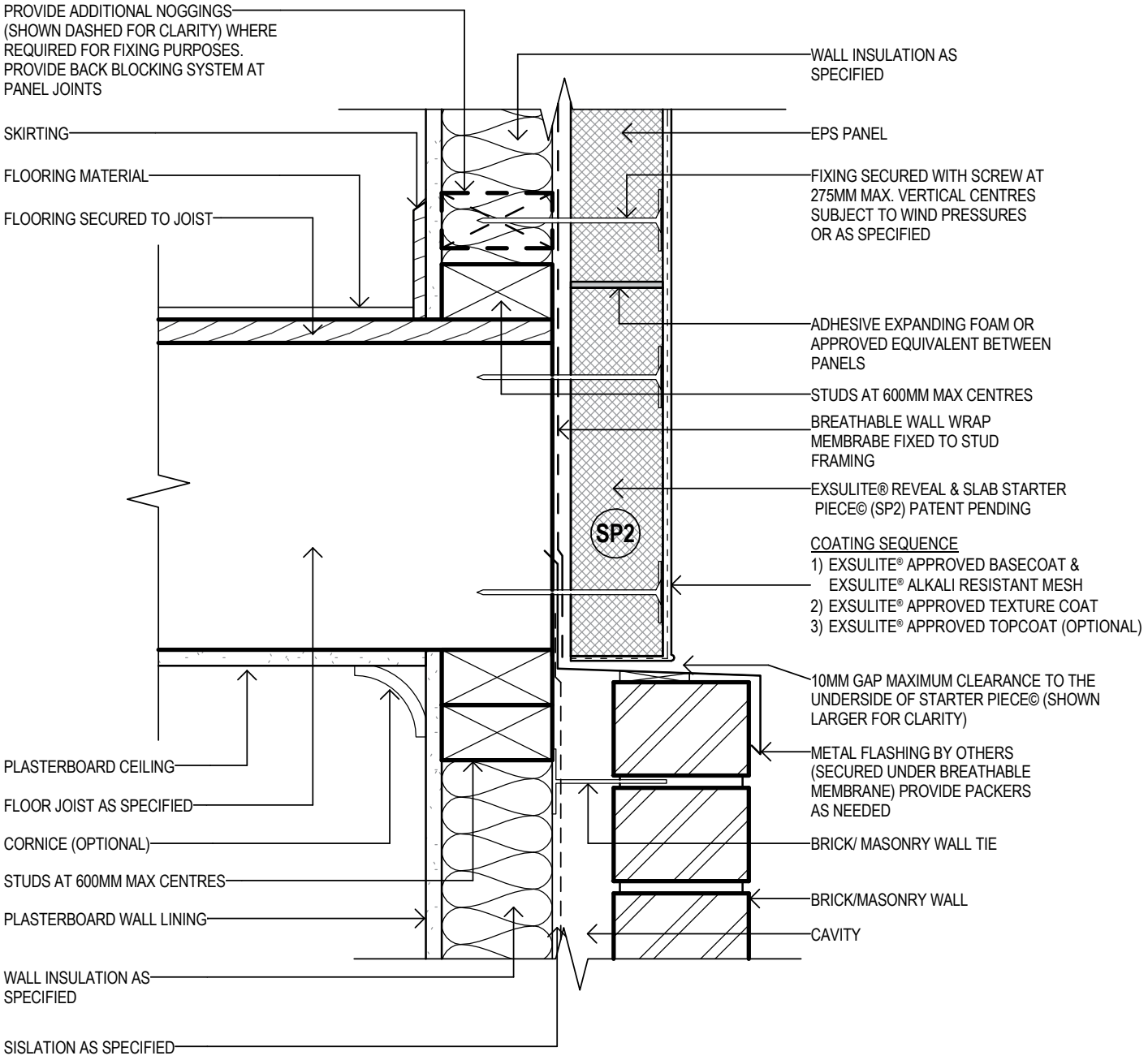
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM - DOUBLE STUD PANEL JUNCTION DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-401.2-NCAV	4

Panel To Masonry With Metal Flashing



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NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANEL IS SHOWN GREATER FOR CLARITY.

Exsulite® Thermal Facade Cladding

Revisions

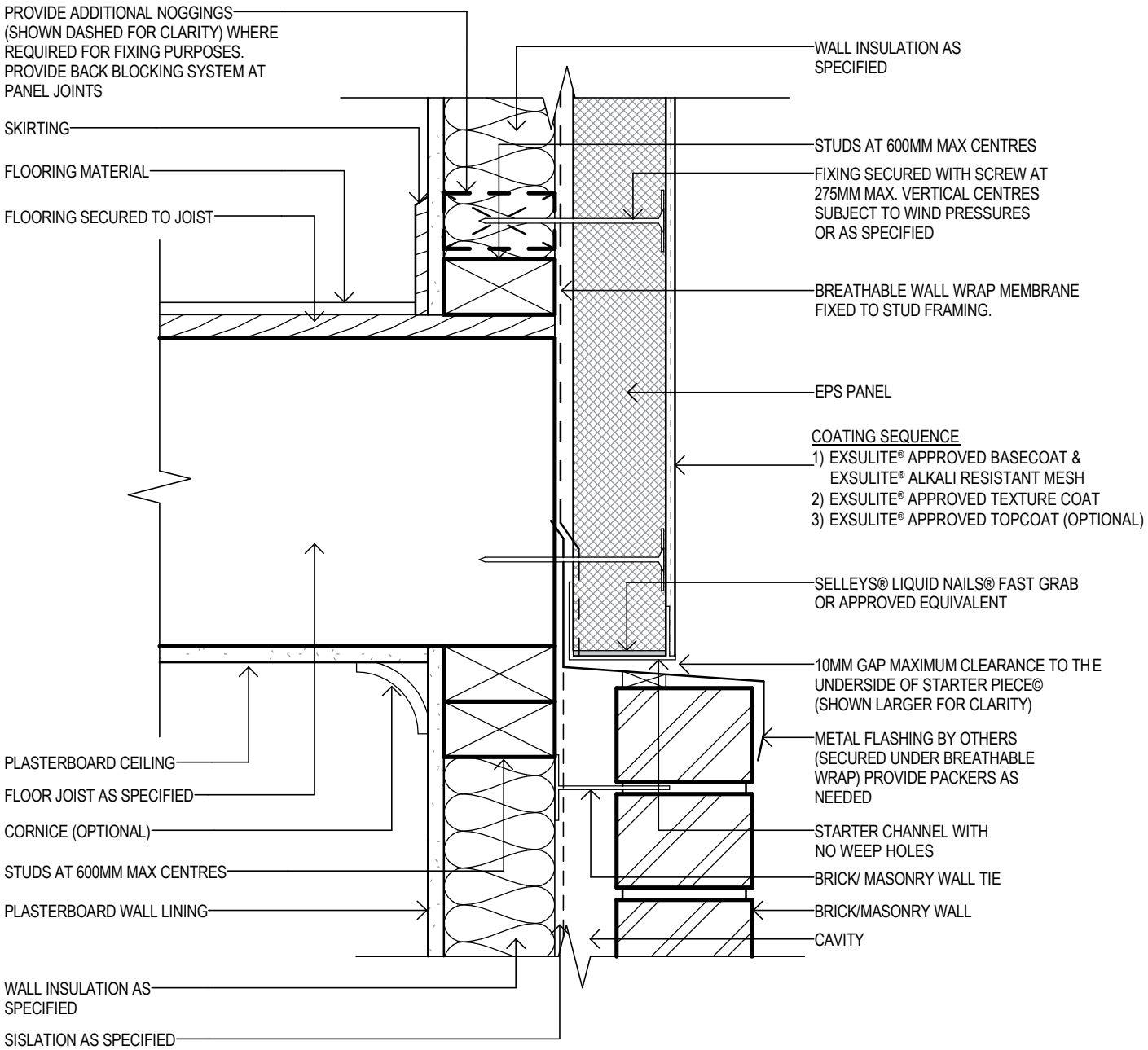
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM - RECESS PANEL MASONARY METAL FLASHING DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-402-NCAV	4

Panel With Starter Channel To Masonry Metal Flashing



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Exsulite® Thermal Facade Cladding

Revisions

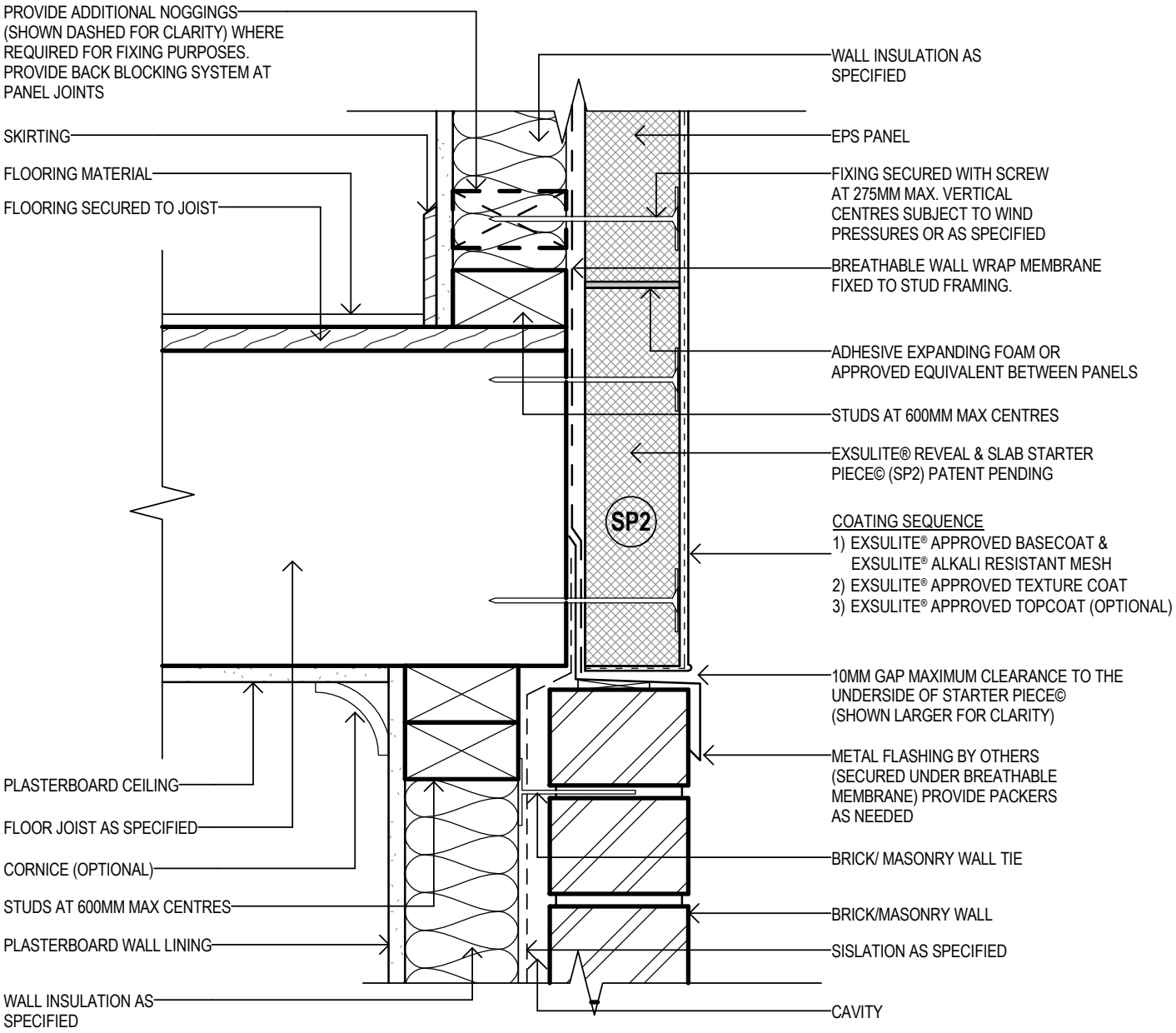
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - RECESS PANEL WITH STARTER CHANNEL MASONARY METAL FLASHING DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-403-NCAV	4

Flush Panel To Masonry with SP2 Starter And Metal Flashing



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Exsulite® Thermal Facade Cladding

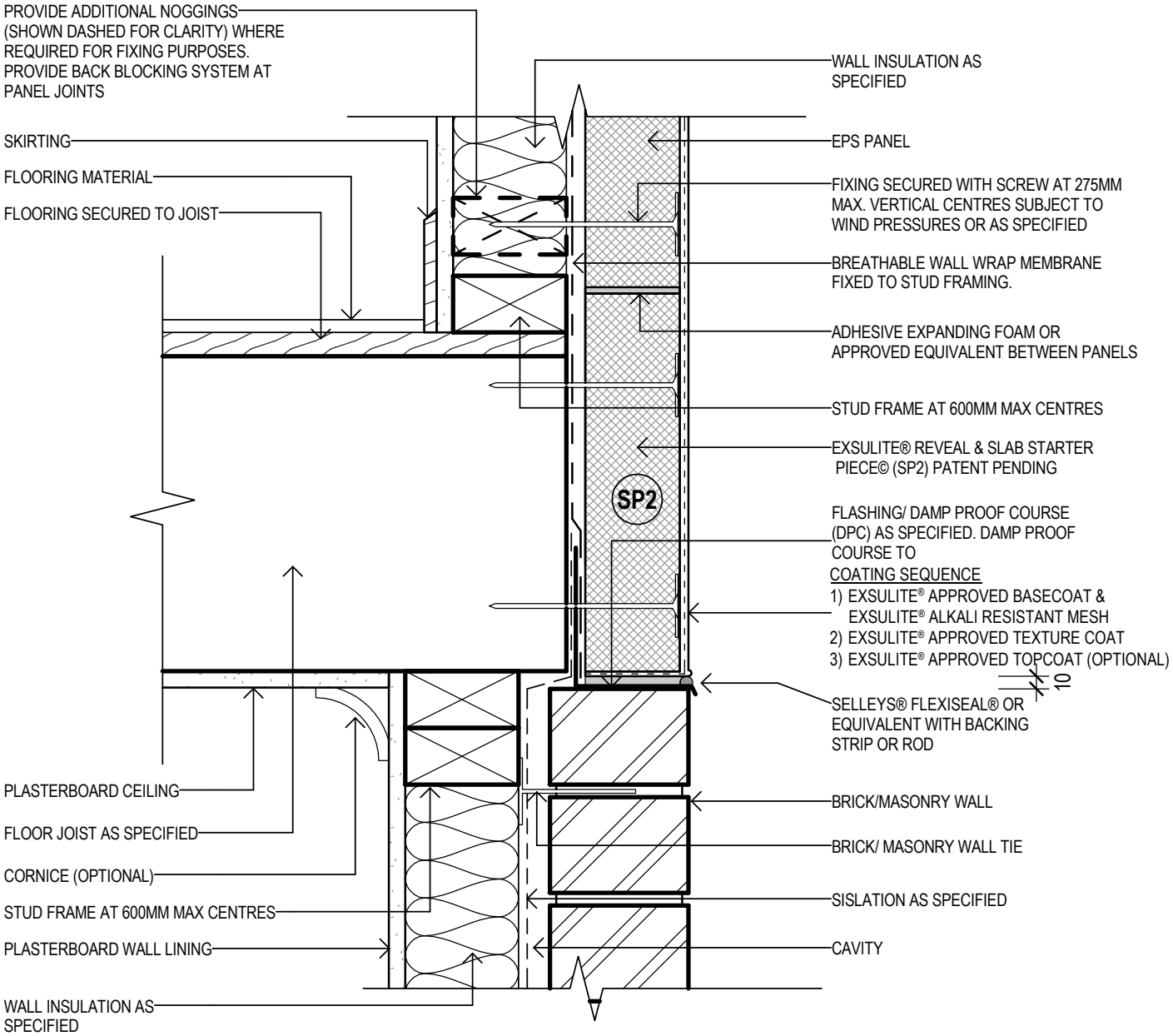
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM - FACE FLUSHED PANEL TO MASONARY SEALED JOINT DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-404A-NCAV	4

Flush Panel To Masonry with SP2 Starter, Sealed Joint No Flashing



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Exsulite® Thermal Facade Cladding

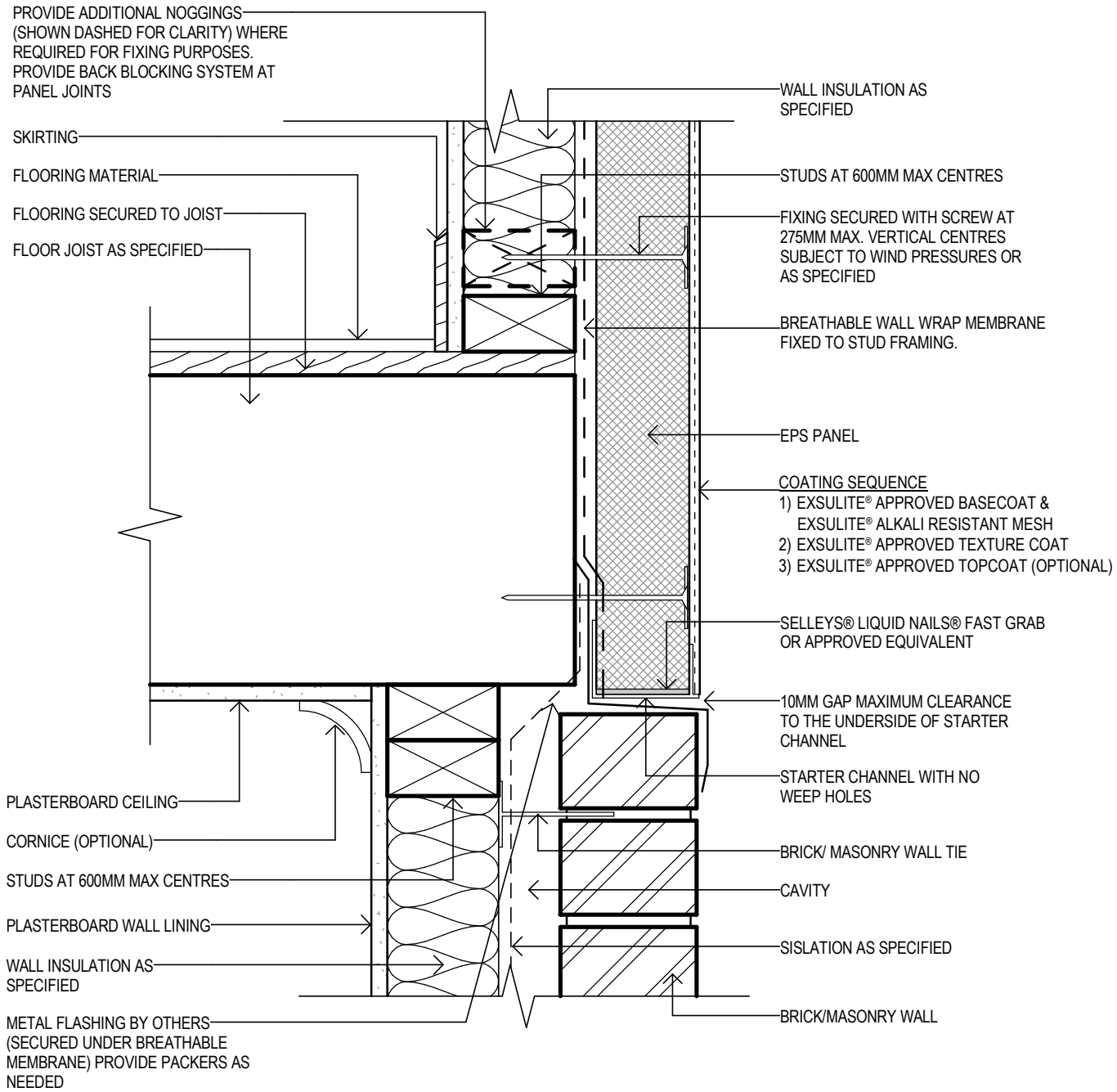
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM - FACE FLUSHED PANEL TO MASONARY SEALED JOINT NO FLASHING DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-404B-NCAV	4

Flush Panel To Masonry with Metal Flashing And Starter Channel



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NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANEL IS SHOWN GREATER FOR CLARITY.

Exsulite® Thermal Facade Cladding

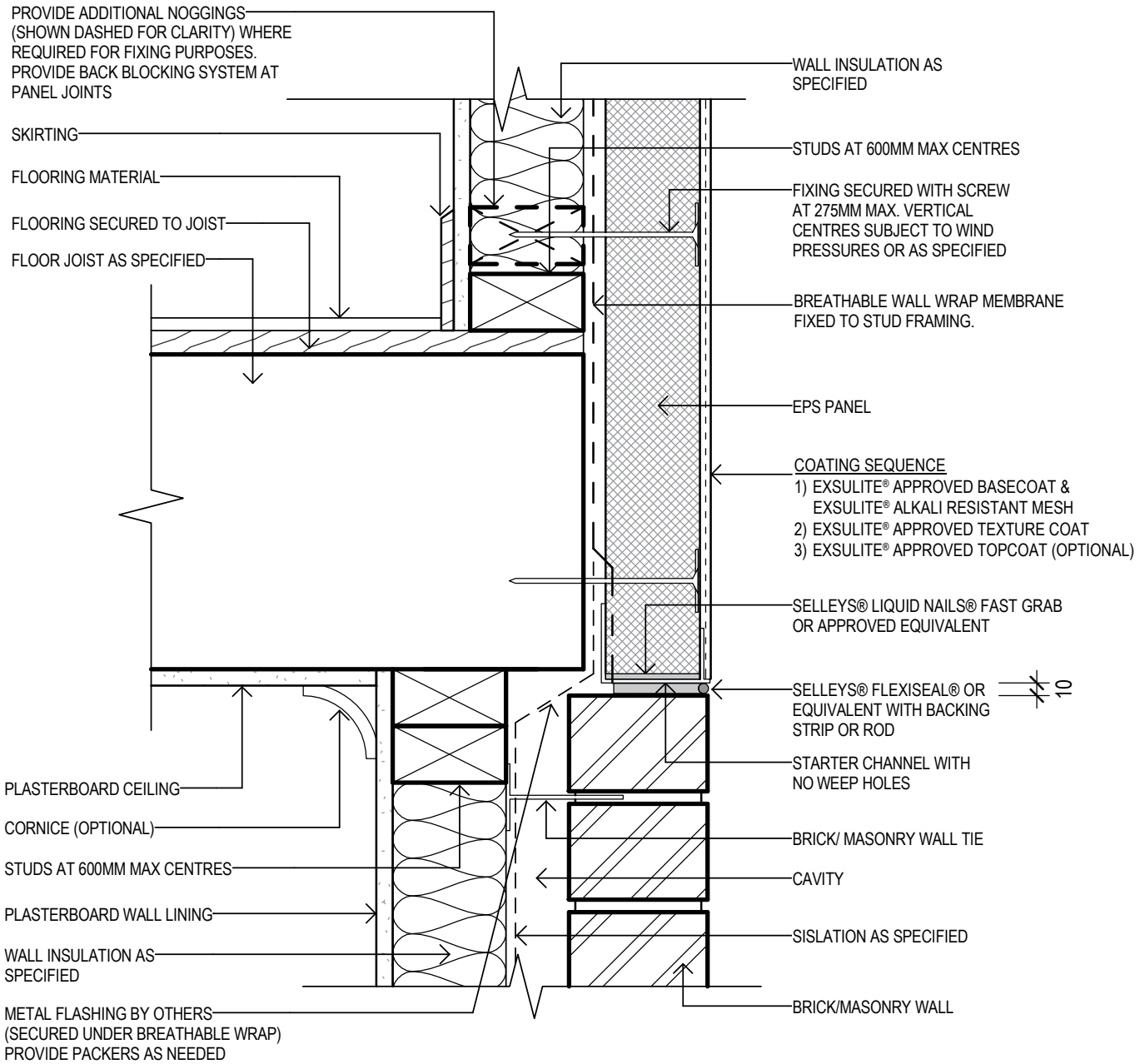
Revisions			
4	VERSION 4	01-05-20	
1	VERSION 1	01-04-18	
Issue	Description	Date	

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - FACE FLUSHED PANEL TO MASONARY WITH METAL FLASHING AND STARTER CHANNEL DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-404C-NCAV	4

Flush Panel To Masonry Sealed Joint No Flashing With Starter Channel



NOTE: ADHESIVE EXPANDING FOAM TO BE INSTALLED ONCE ALL EPS PANELS HAVE BEEN SECURED. ALLOW MAXIMUM 5MM GAP BETWEEN ALL PANEL JUNCTIONS UNLESS STATED OTHERWISE.

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Exsulite® Thermal Facade Cladding

Revisions

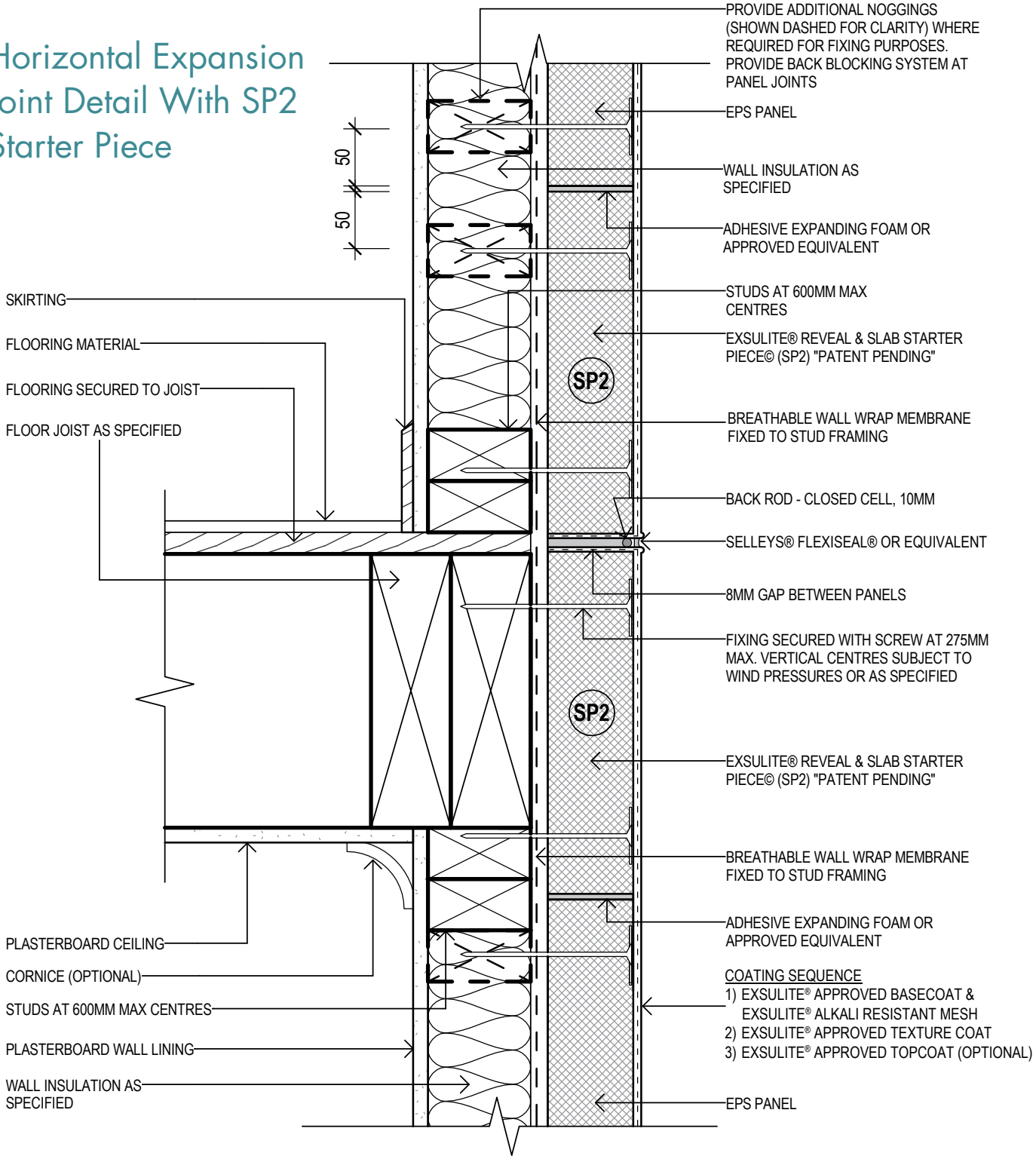
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - FACE FLUSHED PANEL TO MASONARY WITH METAL FLASHING AND STARTER CHANNEL DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-404D-NCAV	4

Horizontal Expansion Joint Detail With SP2 Starter Piece



NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANEL IS SHOWN GREATER FOR CLARITY.

NOTE: ADHESIVE EXPANDING FOAM TO BE INSTALLED ONCE ALL EPS PANELS HAVE BEEN SECURED. ALLOW MAXIMUM 5MM GAP BETWEEN ALL PANEL JUNCTIONS UNLESS STATED OTHERWISE.

NOTE: THE LOCATION OF THE EXPANSION JOINT IS ADJUSTABLE DEPENDING ON THE DESIGN PARAMETERS TO EACH PROJECT.

NOTE: THE DETAIL ABOVE IS DESIGNED TO SIT WITHIN A ZONE ALLOWING FOR MOVEMENT WHEN UNDER STRESS. THE MAIN MOVEMENT IS FROM WALLS AND FLOOR INTERCHANGE AREAS.

NOTE: DO NOT INSTALL EXTERNAL CLADDING IN AREAS WHERE IT MAY REMAIN IN CONTACT WITH STANDING WATER OR DEBRIS. DO NOT BACK FILL.

Exsulite® Thermal Facade Cladding

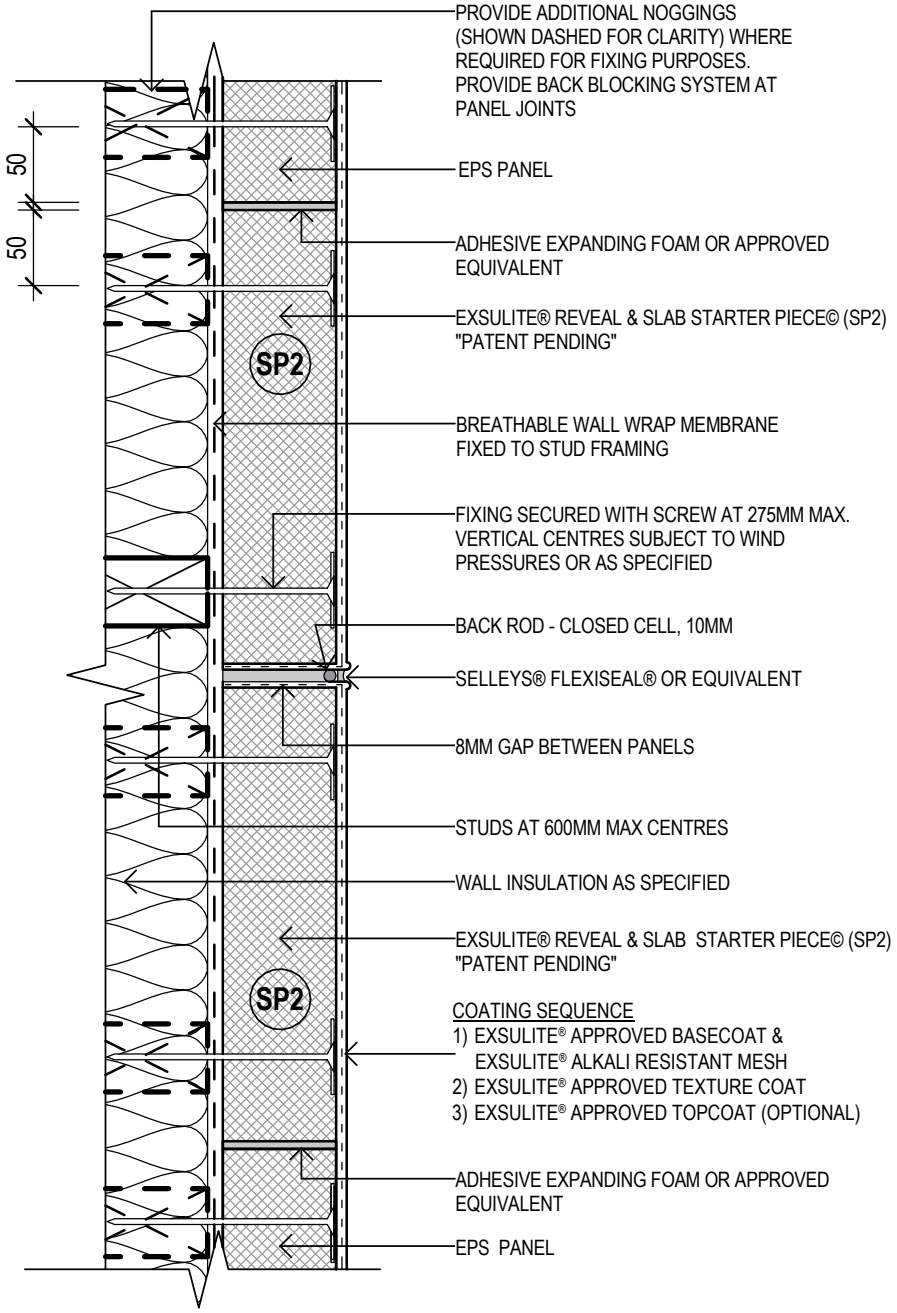
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - HORIZONTAL EXPANSION JOINT DETAIL WITH STARTER PIECES

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-502A-NCAV	4

Vertical Expansion Joint Detail With SP2 Starter Piece



NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANELS IS SHOWN GREATER FOR CLARITY.

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Exsulite® Thermal Facade Cladding

Revisions

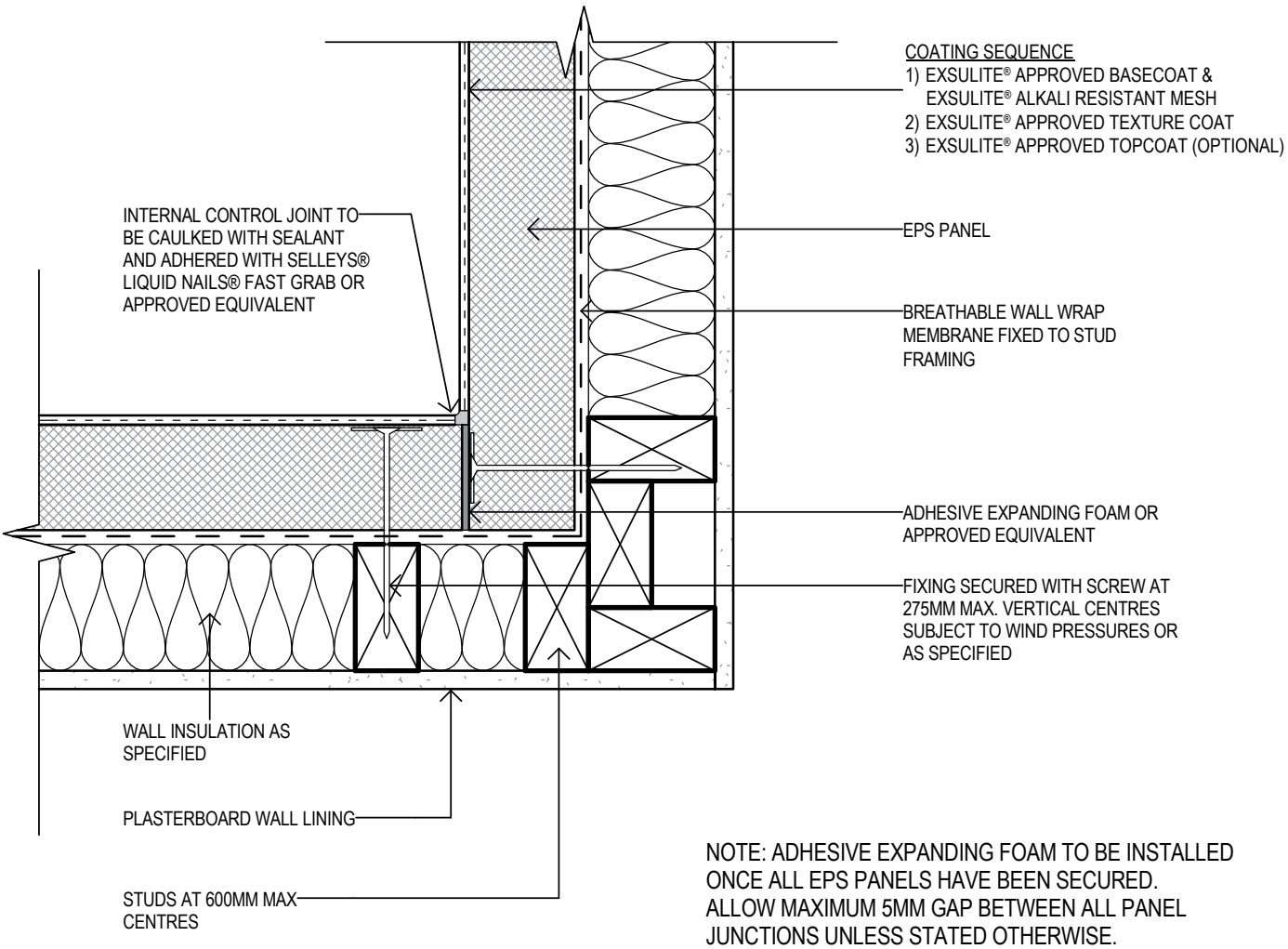
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - VERTICAL EXPANSION JOINT DETAIL WITH STARTER PIECES

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-503-NCAV	4

Internal Corner Junction



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NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANEL IS SHOWN GREATER FOR CLARITY.

Exsulite® Thermal Facade Cladding

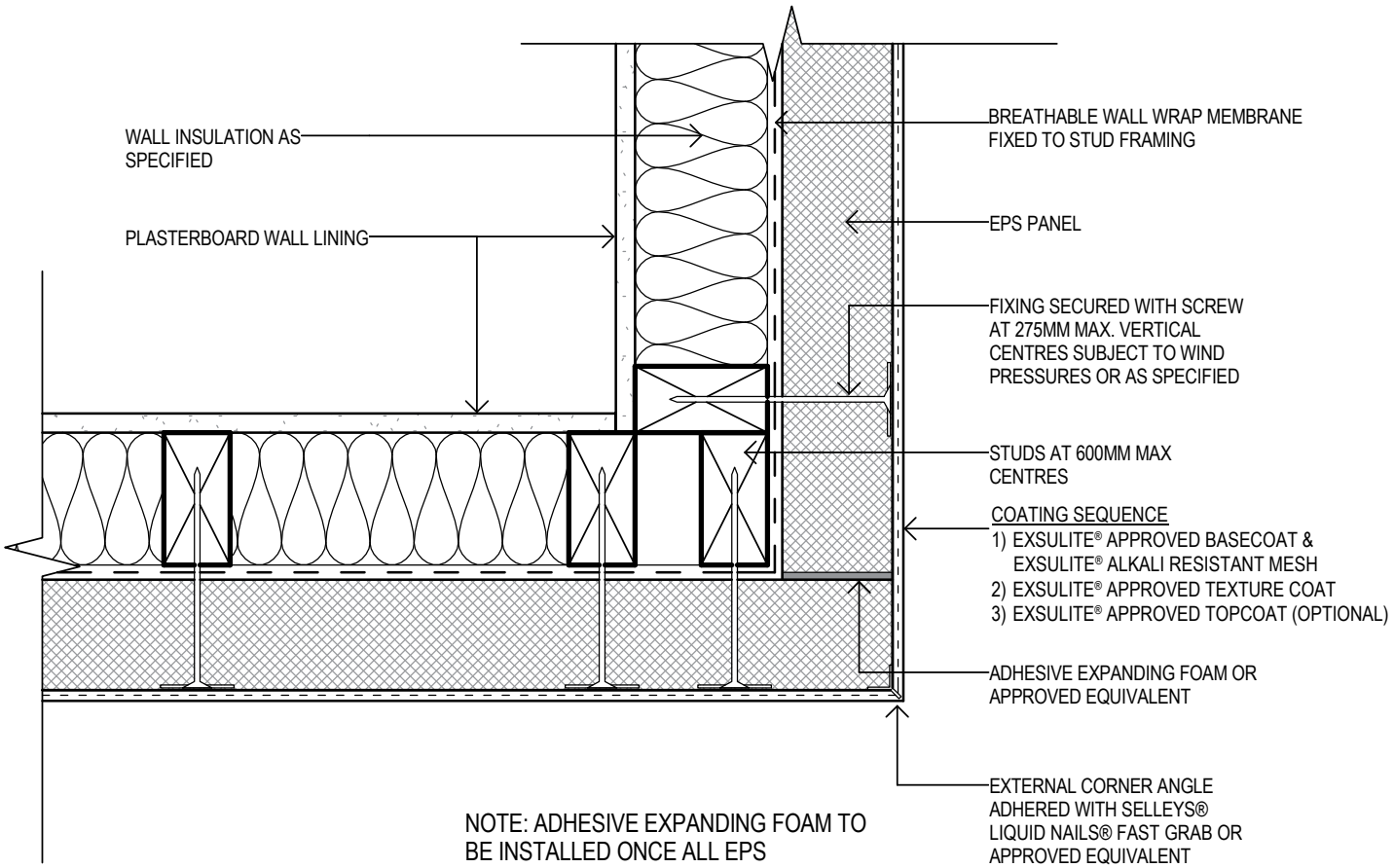
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - INTERNAL CORNER JUNCTION DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-601-NCAV	4

External Corner Junction



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Exsulite® Thermal Facade Cladding

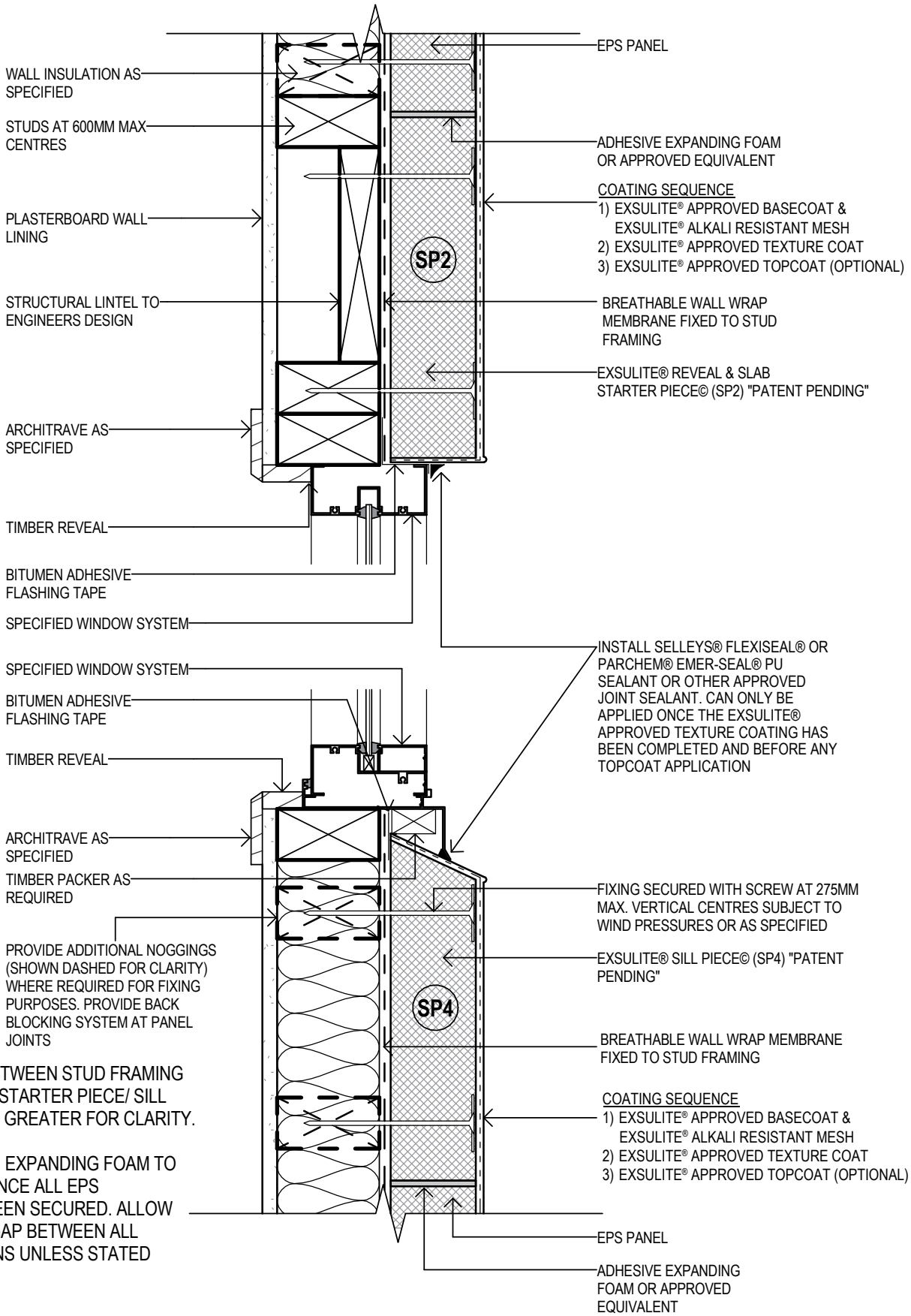
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - EXTERNAL CORNER JUNCTION DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-602-NCAV	4

Window Head And Sill



NOTE: SPACE BETWEEN STUD FRAMING AND EXSULITE® STARTER PIECE/ SILL PIECE IS SHOWN GREATER FOR CLARITY.

NOTE: ADHESIVE EXPANDING FOAM TO BE INSTALLED ONCE ALL EPS PANELS HAVE BEEN SECURED. ALLOW MAXIMUM 5MM GAP BETWEEN ALL PANEL JUNCTIONS UNLESS STATED OTHERWISE.

Exsulite® Thermal Facade Cladding

Revisions

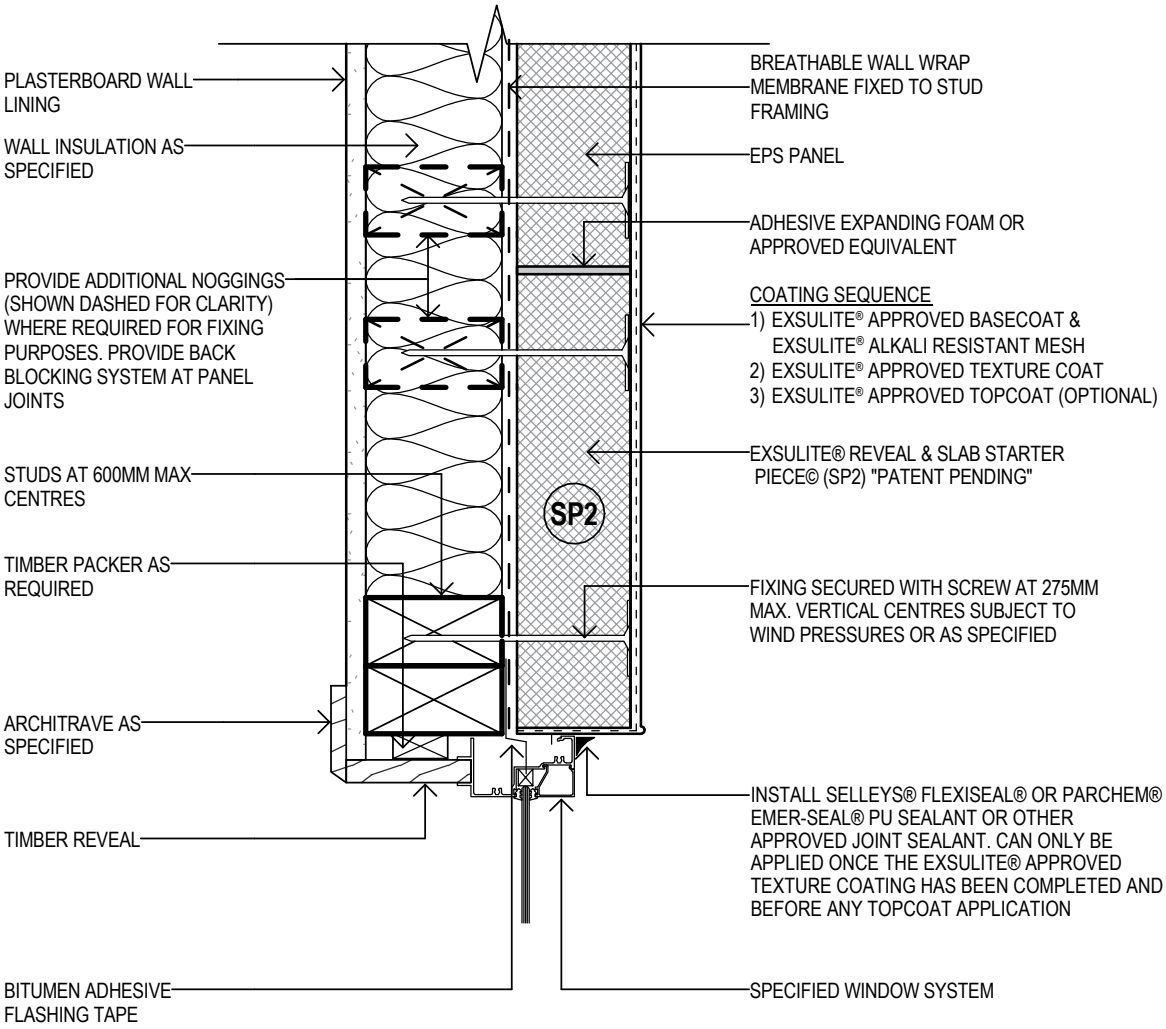
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITYSYSTEM- WINDOW HEAD AND SILL DETAIL WITH STARTER PIECES

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-700-NCAV	4

Window



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Exsulite® Thermal Facade Cladding

Revisions

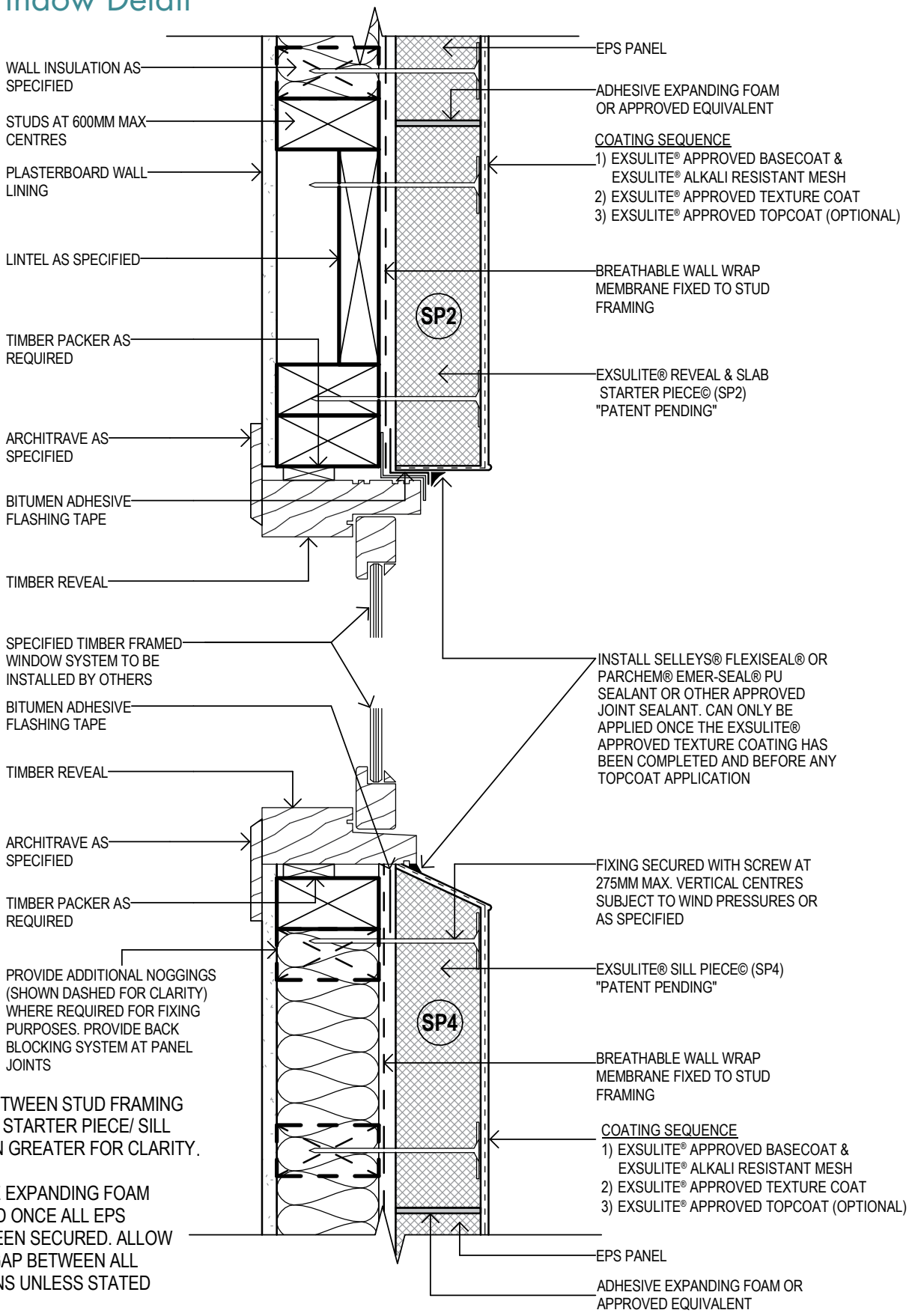
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: NON CAVITY SYSTEM - ALTERNATE WINDOW HEAD DETAIL WITH STARTER PIECE

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-700.2-NCAV	4

Timber Window Detail



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Exsulite® Thermal Facade Cladding

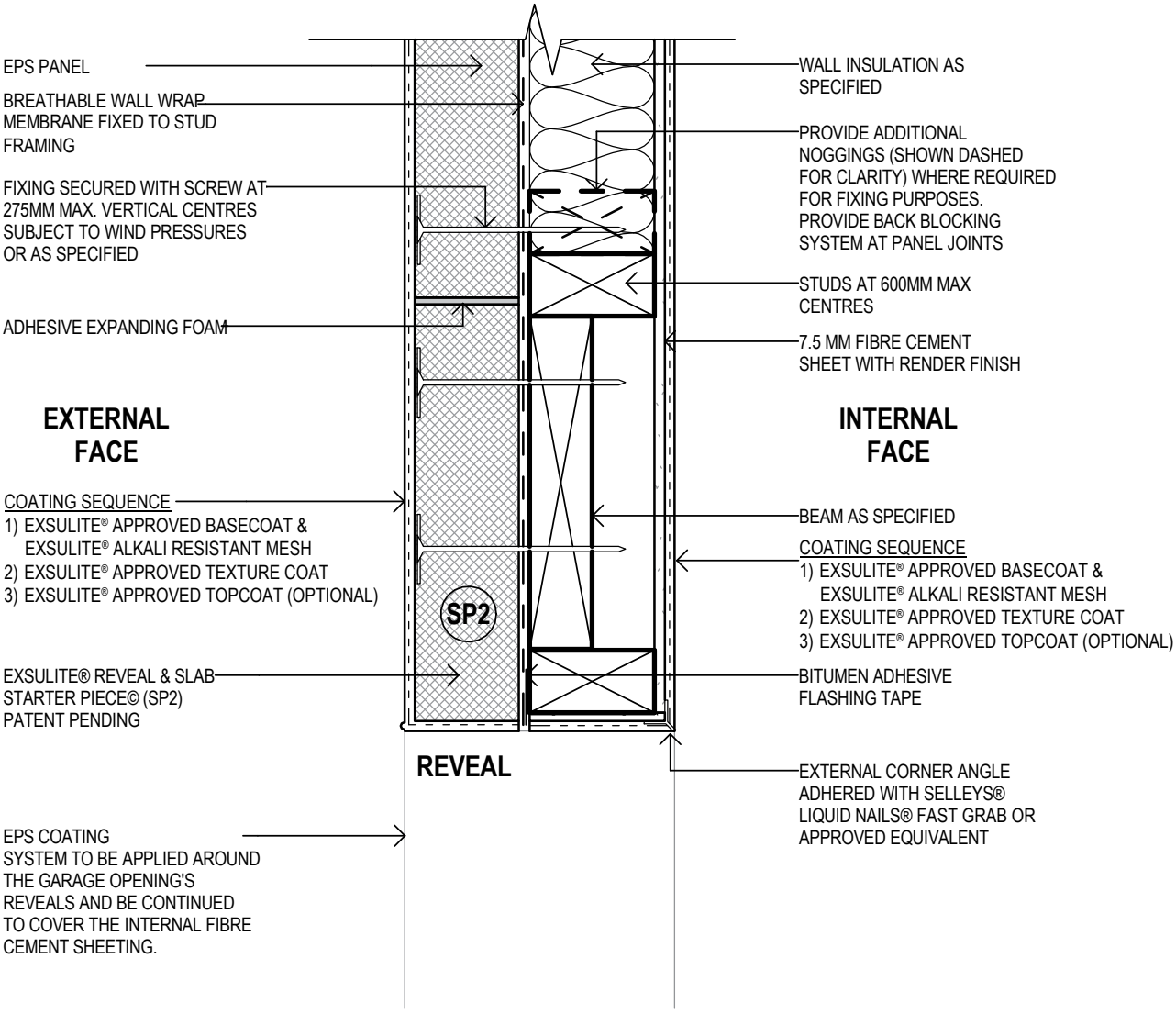
Revisions			
4	VERSION 4	01-05-20	
1	VERSION 1	01-04-18	
Issue	Description	Date	

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON VCAVITY SYSTEM - TIMBER FRAMED WINDOW HEAD AND SILL DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-700.3-NCAV	4

Garage Bulkhead Detail



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Exsulite® Thermal Facade Cladding

Revisions

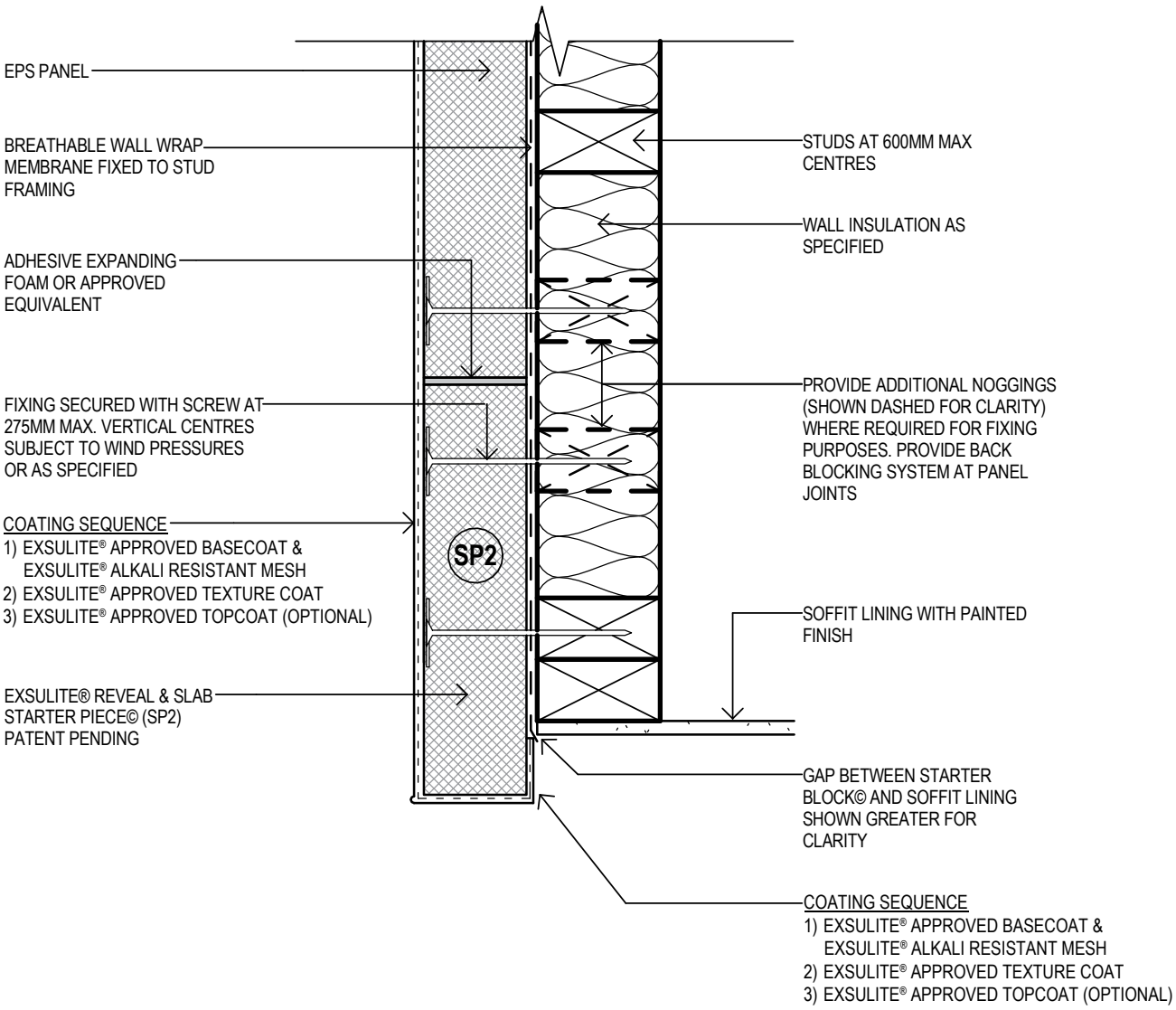
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - SYSTEM GARAGE BULKHEAD DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-750-NCAV	4

Balcony / Bulkhead Detail



NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANEL IS SHOWN GREATER FOR CLARITY.

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Exsulite® Thermal Facade Cladding

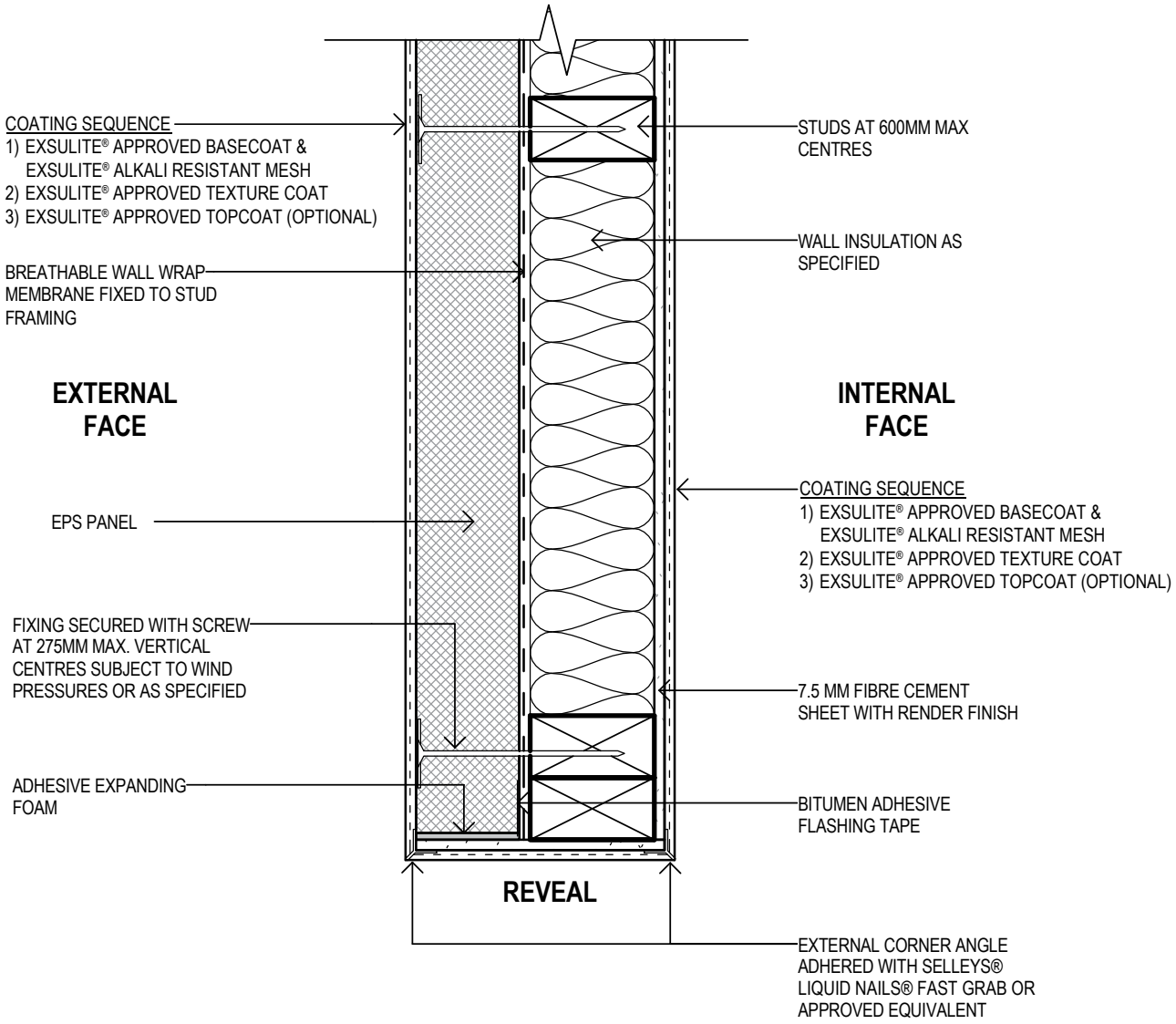
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - BALCONY/ BULKHEAD DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-751-NCAV	4

Garage Opening



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NOTE: SPACE BETWEEN STUD FRAMING AND EPS PANEL IS SHOWN GREATER FOR CLARITY.

NOTE: DO NOT INSTALL EXTERNAL CLADDING IN AREAS WHERE IT MAY REMAIN IN CONTACT WITH STANDING WATER OR DEBRIS. DO NOT BACK FILL.

NOTE: EXSULITE® REINFORCING MESH SHOULD EXTEND TO COVER EXTERNAL ANGLES IN ALL CASES

Exsulite® Thermal Facade Cladding

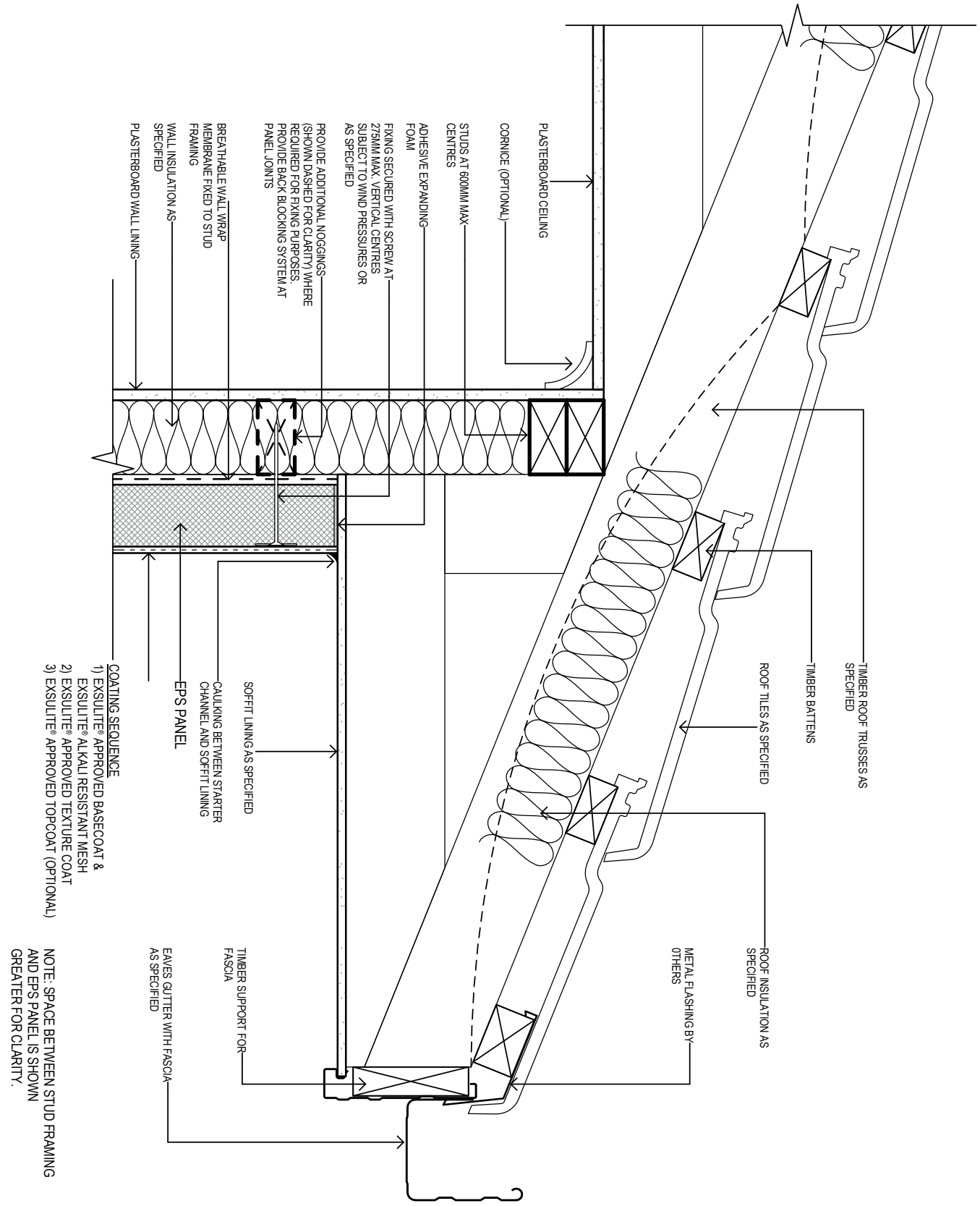
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM -GARAGE OPENING PLAN DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-752-NCAV	4

Roof Truss Eaves



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Exsulite® Thermal Facade Cladding

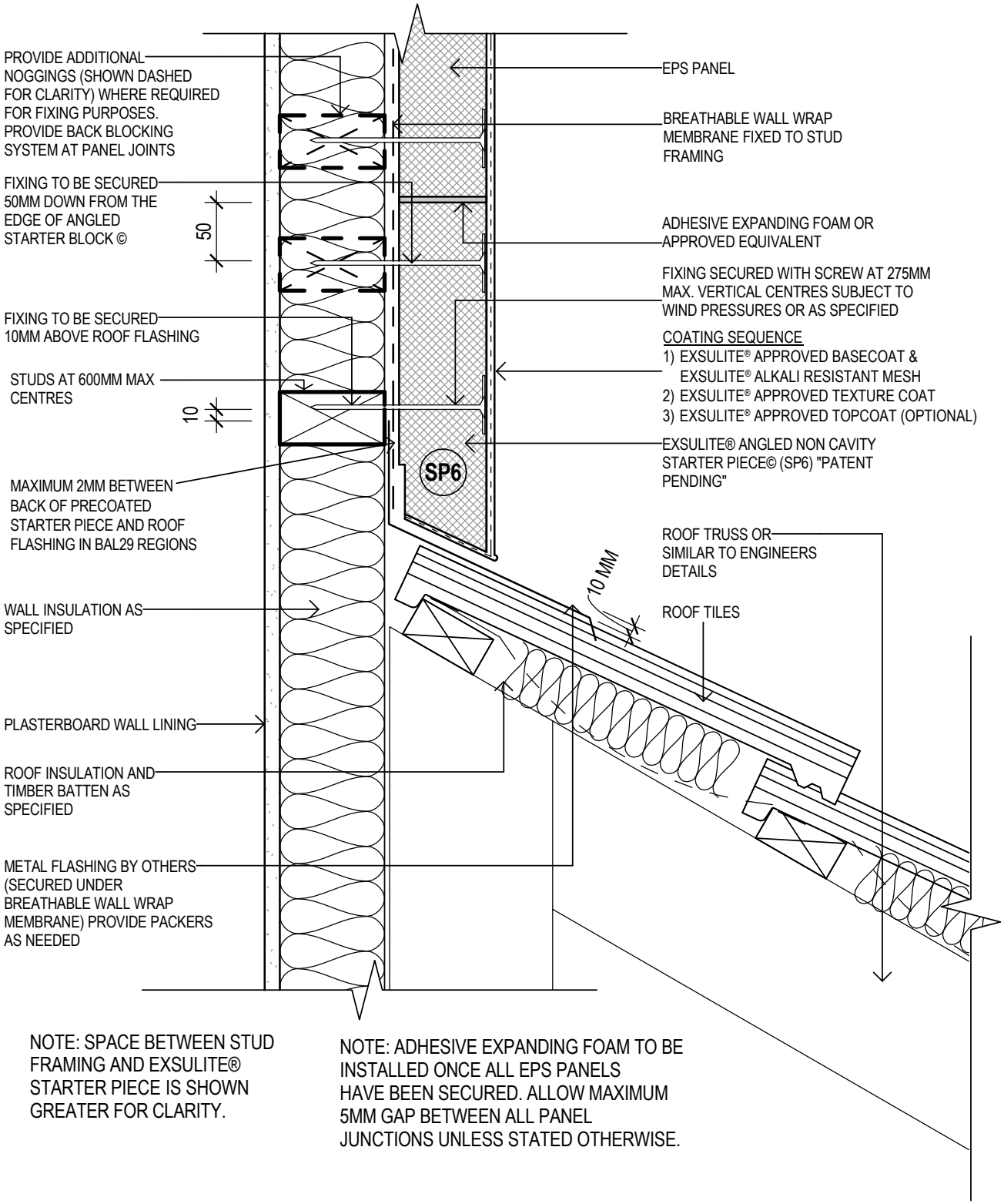
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - ROOF TRUSS EAVES DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-803-NCAV	4

Flashing Detail – Roof Tiles



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Exsulite® Thermal Facade Cladding

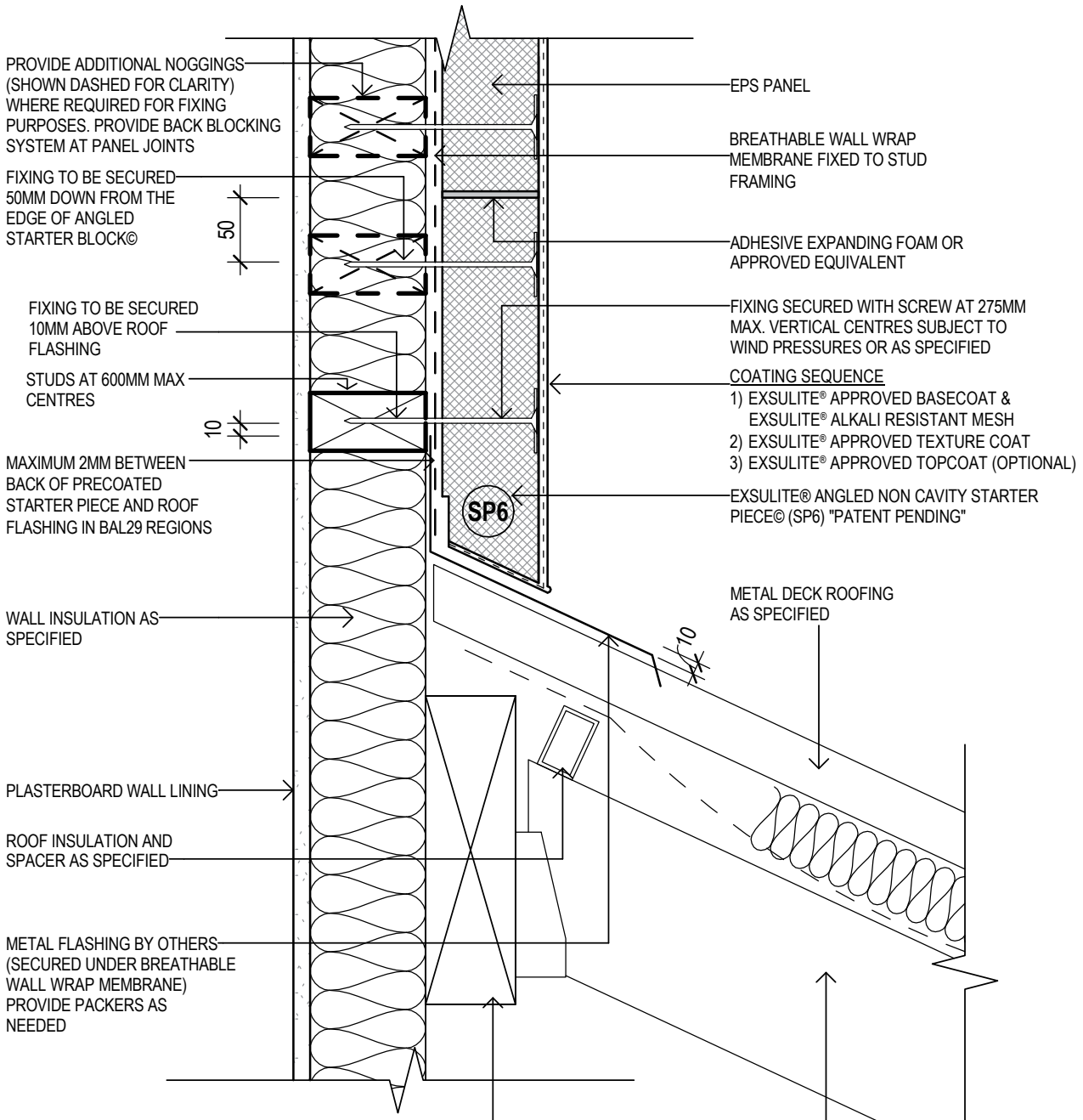
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - FLASHING DETAIL WITH STARTER PIECE – ROOF TILES

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-804A-NCAV	4

Flashing Detail – Metal Deck Roof



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Exsulite® Thermal Facade Cladding

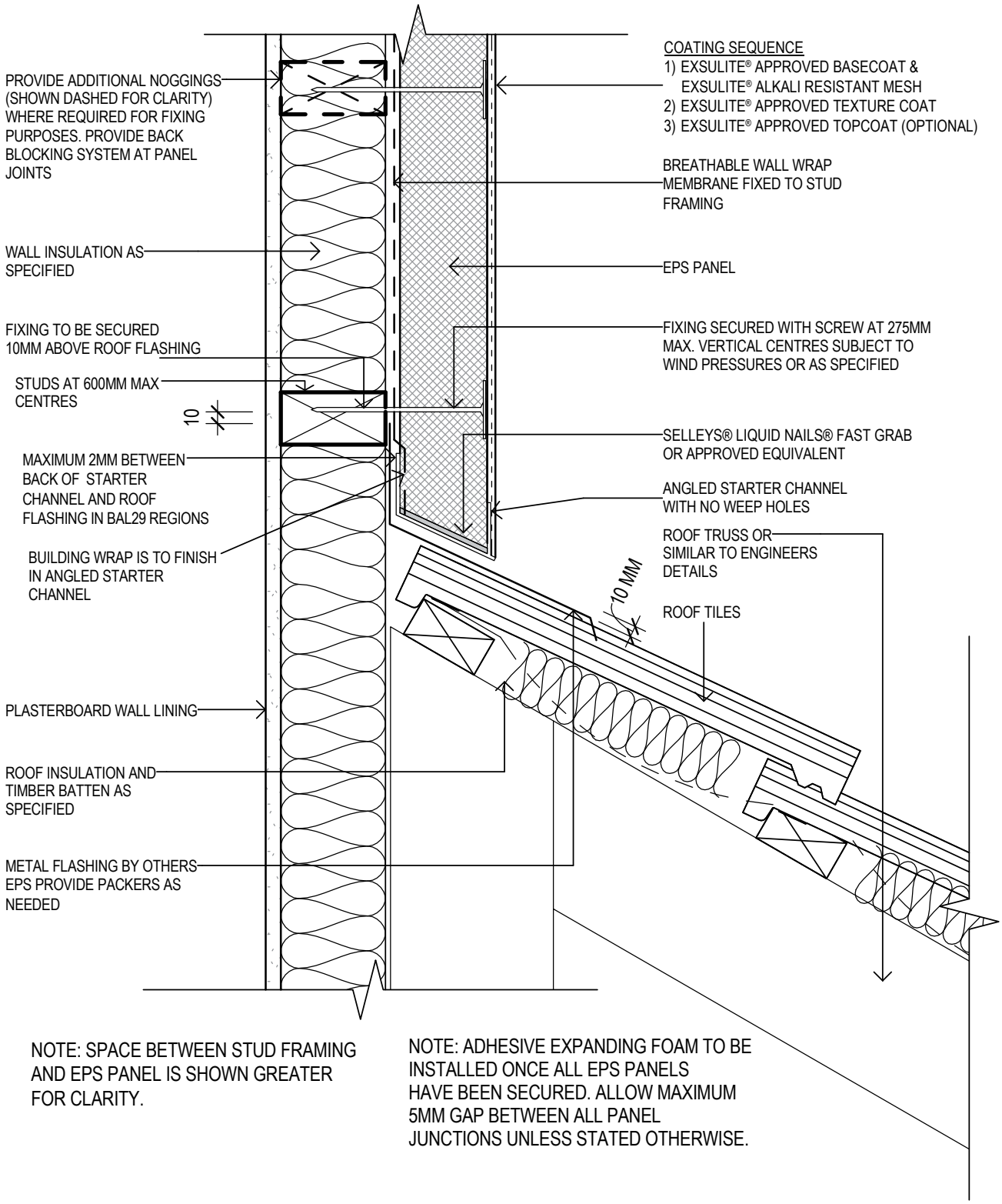
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - FLASHING DETAIL WITH STARTER PIECE – METAL DECK ROOF

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-805A-NCAV	4

Angled Starter Channel Flashing Detail – Roof Tiles



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Exsulite® Thermal Facade Cladding

Revisions

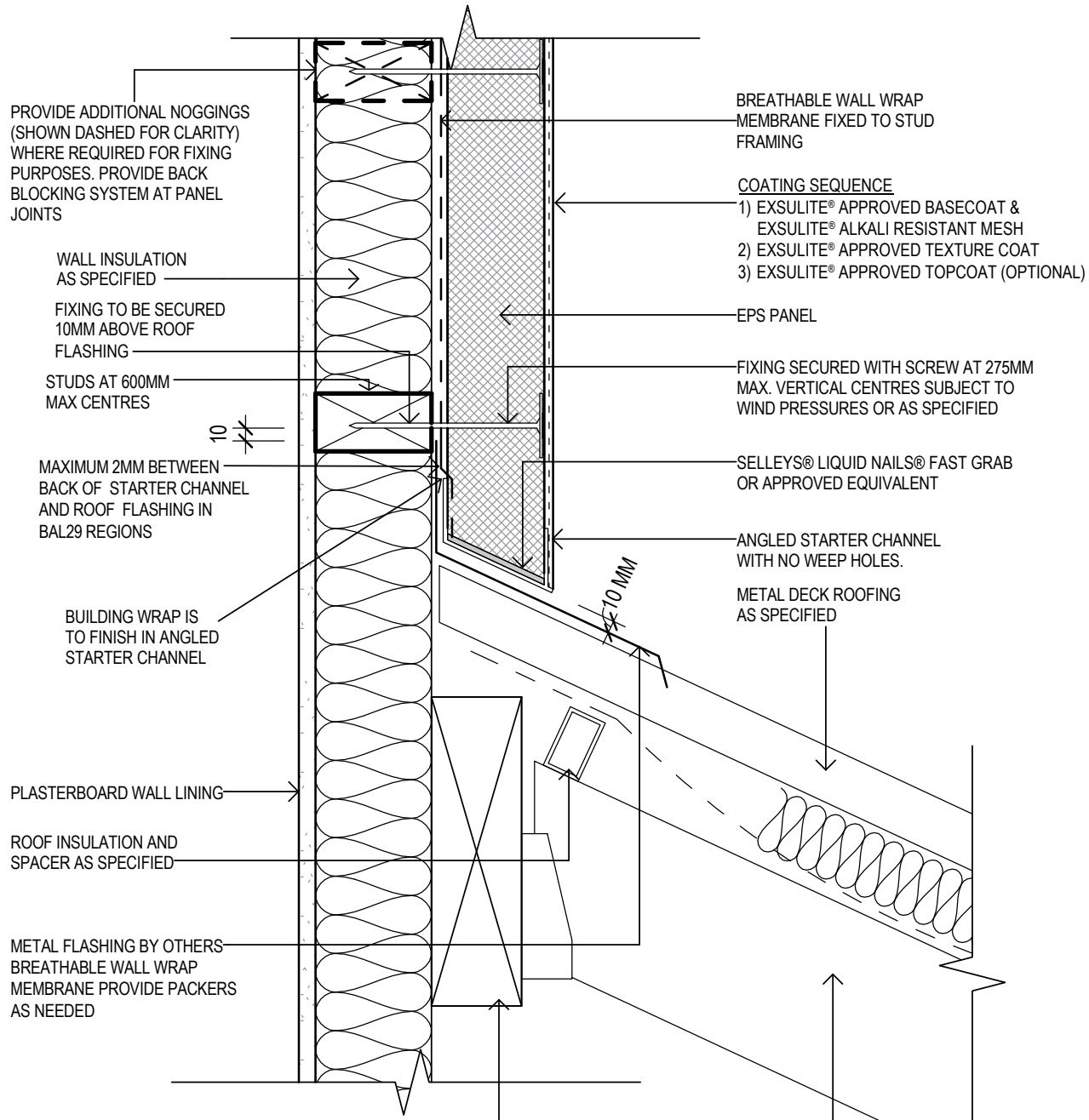
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM – ANGLED STARTER CHANNEL FLASHING DETAIL – ROOF TILES

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-806-NCAV	4

Angled Starter Channel Flashing Detail – Metal Deck Roof



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Exsulite® Thermal Facade Cladding

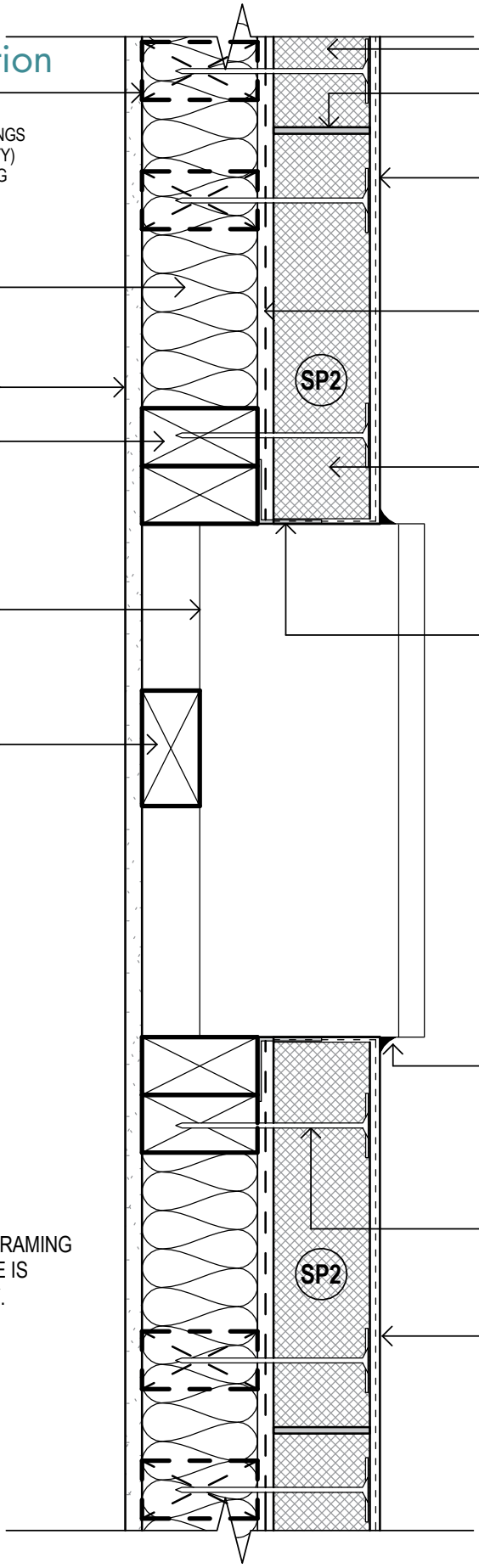
Revisions			
4	VERSION 4	01-05-20	
1	VERSION 1	01-04-18	
Issue	Description	Date	

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM – ANGLED STARTER CHANNELFLASHING DETAIL – METAL DECK ROOF

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-807-NCAV	4

Meter Box Penetration



PROVIDE ADDITIONAL NOGGINGS (SHOWN DASHED FOR CLARITY) WHERE REQUIRED FOR FIXING PURPOSES. PROVIDE BACK BLOCKING SYSTEM AT PANEL JOINTS

WALL INSULATION AS SPECIFIED

PLASTERBOARD WALL LINING

STUDS AT 600MM MAX CENTRES

RECESSED METRE BOX

PROVIDE TIMBER NOGGING AS REQUIRED

EPS PANEL

ADHESIVE EXPANDING FOAM OR APPROVED EQUIVALENT

COATING SEQUENCE
1) EXSULITE® APPROVED BASECOAT & EXSULITE® ALKALI RESISTANT MESH
2) EXSULITE® APPROVED TEXTURE COAT
3) EXSULITE® APPROVED TOPCOAT (OPTIONAL)

BREATHABLE WALL WRAP MEMBRANE FIXED TO STUD FRAMING

EXSULITE® REVEAL & SLAB STARTER PIECE© (SP2) "PATENT PENDING" FITTED AROUND METER BOX

BITUMEN FLASHING TAPE PLACED AROUND METER BOX. TAPE TO SIT IN FRONT OF EXSULITE BREATHABLE ABSORBENT WALL WRAP

INSTALL SELLEYS® FLEXISEAL® OR PARCHEM® EMER-SEAL® PU SEALANT OR OTHER APPROVED JOINT SEALANT. CAN ONLY BE APPLIED ONCE THE EXSULITE® APPROVED TEXTURE COATING HAS BEEN COMPLETED AND BEFORE ANY TOPCOAT APPLICATION

FIXING SECURED WITH SCREW AT 275MM MAX. VERTICAL CENTRES SUBJECT TO WIND PRESSURES OR AS SPECIFIED

COATING SEQUENCE
1) EXSULITE® APPROVED BASECOAT & EXSULITE® ALKALI RESISTANT MESH
2) EXSULITE® APPROVED TEXTURE COAT
3) EXSULITE® APPROVED TOPCOAT (OPTIONAL)

NOTE: SPACE BETWEEN STUD FRAMING AND EXSULITE® STARTER PIECE IS SHOWN GREATER FOR CLARITY.

Exsulite® Thermal Facade Cladding

Revisions

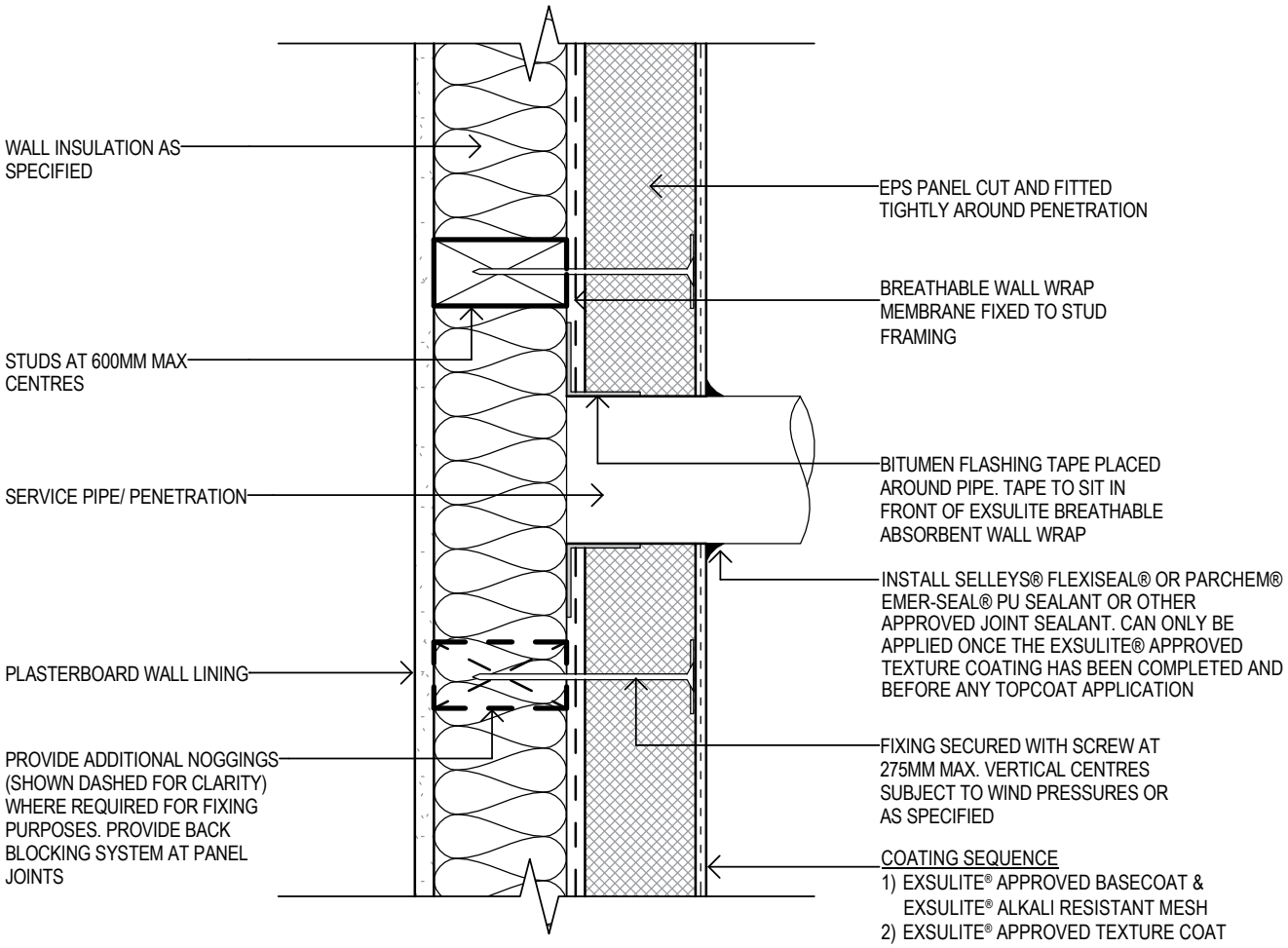
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - METER BOX PENETRATION

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-900.1-NCAV	4

Wall Penetration



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Exsulite® Thermal Facade Cladding

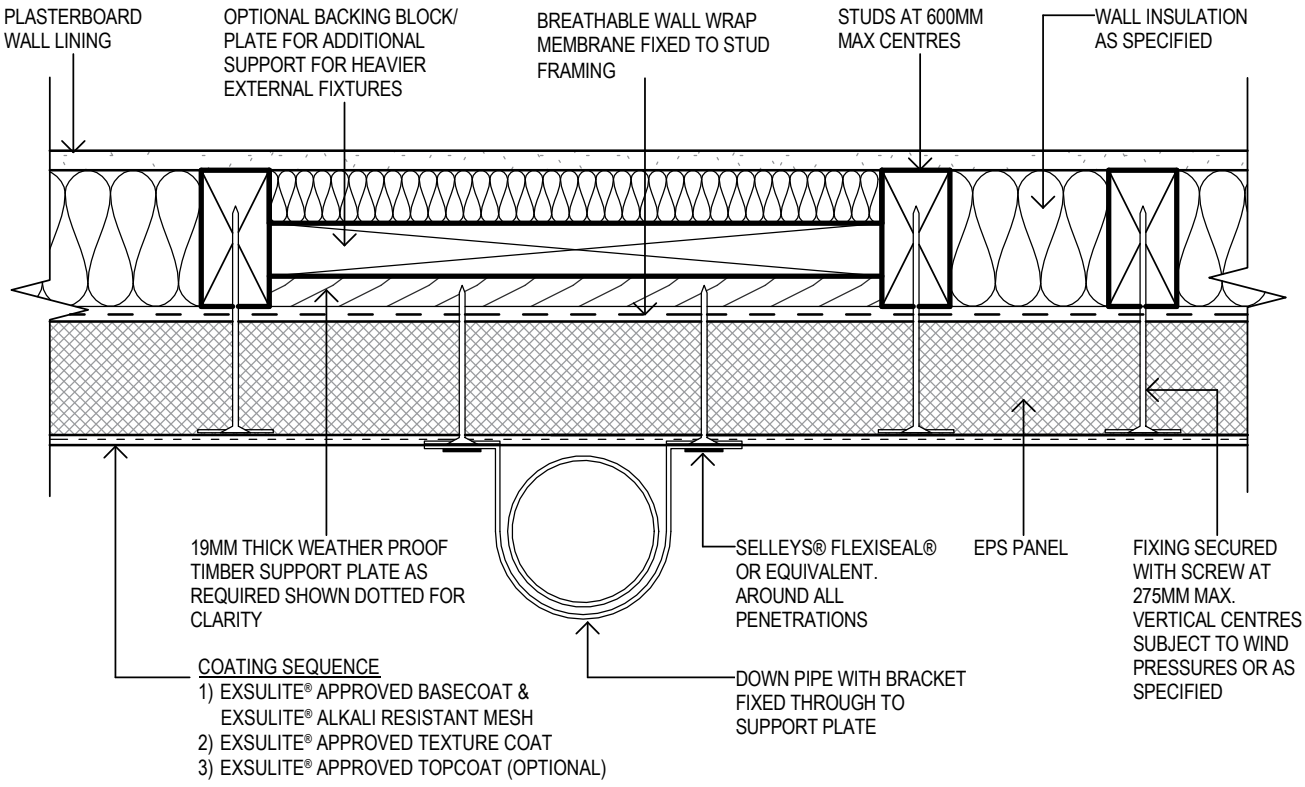
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - WALL PENETRATION

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-900.2-NCAV	4

Down Pipe Fixing Plan



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Exsulite® Thermal Facade Cladding

Revisions

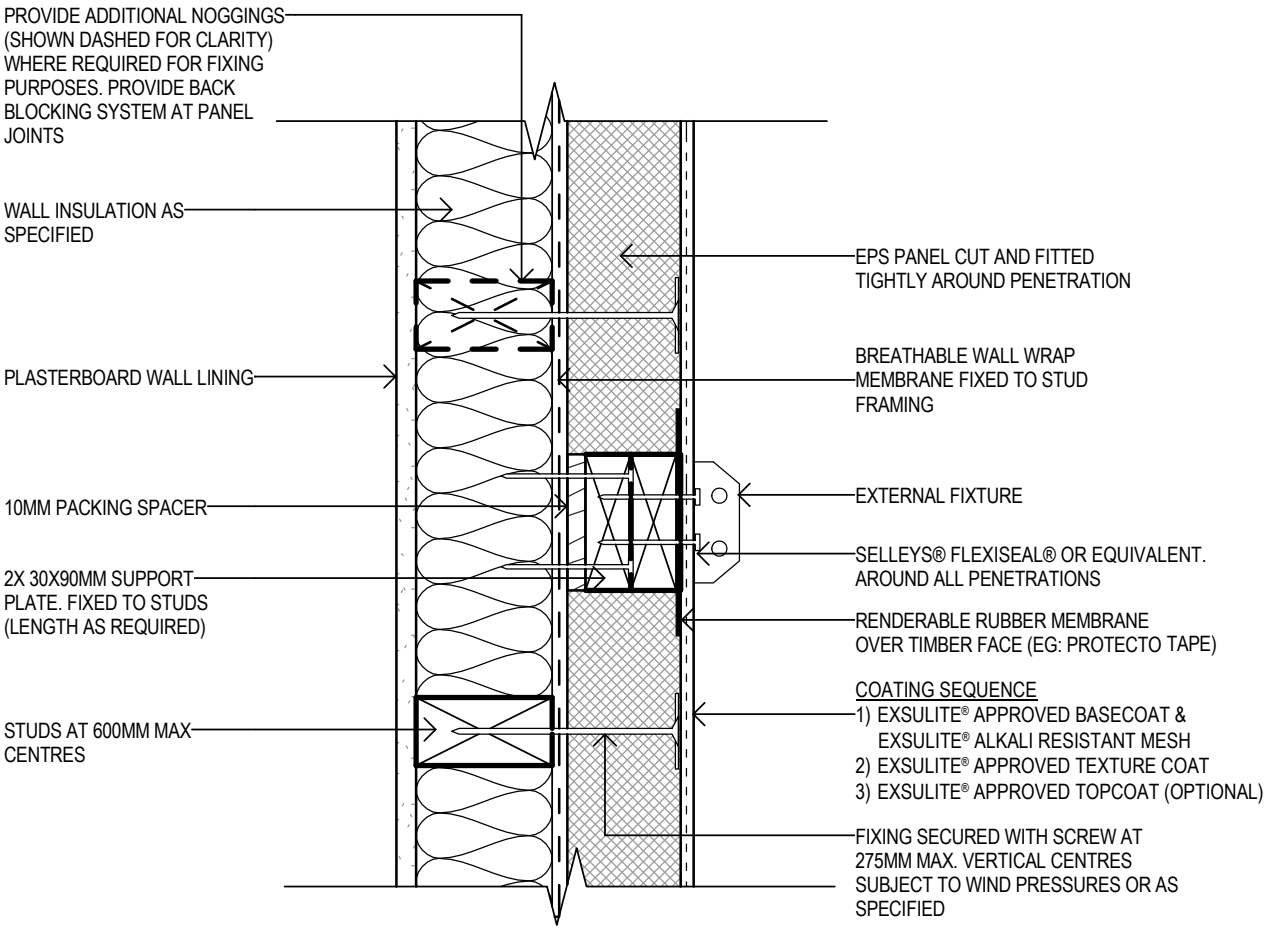
Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - DOWN PIPE FIXING

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-901.1-NCAV	4

External Fixing



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Exsulite® Thermal Facade Cladding

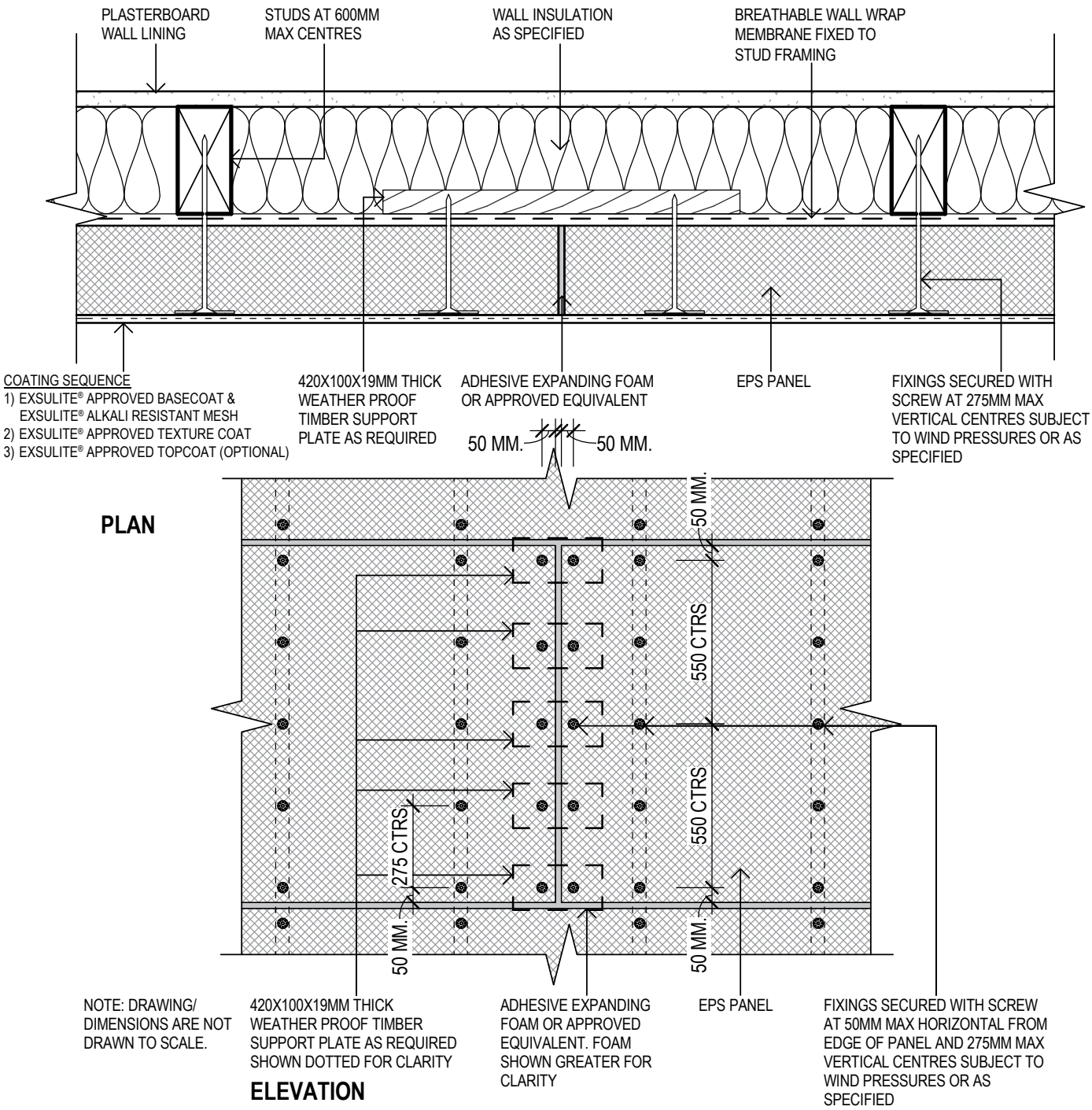
Revisions		
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18
Issue	Description	Date

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON CAVITY SYSTEM - EXTERNAL FIXING

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-901.2-NCAV	4

Back Blocking and Panel Joint



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Exsulite® Thermal Facade Cladding

Revisions

Issue	Description	Date
4	VERSION 4	01-05-20
1	VERSION 1	01-04-18

EXSULITE® THERMAL FACADE CLADDING

Drawing Name: TYPICAL NON-CAVITY SYSTEM - BACK BLOCKING AND PANEL JOINT OFF STUD DETAIL

Scale	Drawing Number	Issue
NOT TO SCALE	EXS-901.3-NCAV	4

FOR USE WITH:

Acratex® Quikcote™ EZYCOAT

Exsulite Certificate of Installation & Workmanship

The *Exsulite* Certificate of Installation & Workmanship is to be issued by the Installer of the system to verify that installation has been completed to the nominated job address in accordance with the *Exsulite* Certificate of Conformity and *Exsulite* Specification & Installation and Construction Drawings manuals.

Exsulite System Installed:

☐ CAVITY System CodeMark Australia / CMI Certification Certificate CM40264	☐ NON-CAVITY System CodeMark Australia / CMI Certification Certificate CM40266	Date Installation Completed:

Project Details:

Lot No.: OR Street No.:	Address (Street / Road / Other):	Suburb: State:
Builder Business Name:		Builder Contact Name:

Build/Installation Details:

Building Classification:	☐ Class 1	☐ Class 10	*Exsulite* Wall Area (m²)	
Location Region:	☐ BAL-N/A	☐ BAL-12.5	☐ BAL-19	☐ BAL-29
Wall Wrap Installed:	☐ *Exsulite* Wall Wrap ☐ Other Breathable Wrap to AS/NZS4200.1:2017		Coating System Installed: ☐ Acratex® ☐ Quikcote™ ☐ EZYCOAT	☐ System Topcoated ☐ System Untopcoated

Declaration:

We the undersigned certify that the installation of the nominated *Exsulite* System has been carried out in strict accordance with:

- The details and conditions of the *CodeMark* Certificate of Conformity and its respective;
- *Exsulite* Thermal Facade Cladding Specification & Installation Manual, and
- *Exsulite* Thermal Facade Cladding Construction Drawings Manual, and
- We warrant to the Customer that the products and components of the *Exsulite* System have been installed to the project in strict accordance with the instructions and recommendations provided by or available from *DuluxGroup* and will comply with the relevant *DuluxGroup* products and component performance specification(s) will be responsible for any loss or damage caused or contributed to by its faulty installation and/or application of the coating system.

Certificating Installer	**Rendering & Finishing Contractor**
☐ Installing Cladding & Finishing ☐ Installing Cladding Only *Rendering & Finishing Section must be certified by the Finishing Contractor*	*To be completed and Certified by the Contractor where the Finishing is not part of the Certifying Installers contract*
Business Name:	Business Name:
Builders / Trade Licence No.:	Trade Licence No.:
Exsulite Reseller / Stockist Materials Purchased from:	*Exsulite* Reseller / Stockist Materials Purchased from:
Installer Principal (Certifiers Name):	Rendering & Finishing Principal (Certifiers Name):
SIGNATURE:	SIGNATURE:
Installation Certified on this day (Date):	Render/Finishing Certified on this day (Date):

Refer to **exsulite.com.au** for current *Exsulite CodeMark* Certificates plus Installation & Specification and Construction Drawing Manuals. On completion of this form, it is the responsibility of the Installer to forward to *Acratex* by email to **registrations@acratex.com.au** as part of project registration and warranty processes.

Exsulite®
Thermal Facade Cladding

For more information go to **exsulite.com.au**
Exsulite Customer Service 1300 662 841
1 Jeanes Street, Beverley SA 5009 Australia

8322/0723