



Real Resource Timber Weatherboard System

TECHNICAL MANUAL WITH DRAWINGS

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V3.1

Office: 09 415 7231

Mobile: 027 368 5201

E-Mail: liugangpat@hotmail.com

Web Site: www.realresource.co.nz

Address: 2 Schopolo Place, Schnapper Rock, Auckland, 0632

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1. GENERAL DESCRIPTION

The Real Resource Timber Weatherboard System is an exterior wall cladding utilizing a combination of weatherboards, box corners, and fascia boards on a direct fix or cavity fix setup that provides a medium weight, highly durable cladding solution suited for residential housing and light commercial buildings.

This technical manual outlines the typical installation and details of the Real Resource Timber Weatherboard System. If specifiers require additional details or clarification, please contact Real Resource.

The Real Resource Timber Weatherboard System utilises 18mm machine manufactured finger jointed pre-primed timber components. The weatherboard component is either fixed directly though selected underlay to framing or supported by a structural timber cavity system which is then fixed through selected underlay to timber. The box corner components are utilised in an external corner situation, although the option for a mitre joint is permitted in both internal and external corners. The fascia board is fixed directly to the roofing system used.

2. SCOPE OF USE & LIMITATIONS

The Real Resource Timber Weatherboard System is intended to be used as a weatherboard wall cladding installed with the option of cavity battens and a frame protection system, installed over treated timber framing, for residential and light commercial construction, in wind zones up to and including 'Extra High'. Timber framing shall be constructed as per NZS 3604.

The Real Resource Timber Weatherboard System is designed and should be used according to NZS3617:1979 Specification of Profiles of Weatherboards, Fascia Boards, and Flooring.

2.2 LIMITATIONS

The Real Resource Timber Weatherboard System is required to be designed and installed according to the details and drawings described in this technical and installation manual, by Real Resource trained and or approved contractors.

Due to the components of Real Resource being made from timber, take extra precautions when handling.

When cutting, drilling or sanding do so in an open air environment or areas that are well ventilated and wear approved safety glasses and dust mask.

All aspects of cutting, drilling or sanding must comply with the latest regulations of the Occupational Safety and Health division of the Labour Department.

All components, supplied by Real Resource or not, shall be stored on site and kept covered & free of dampness until required. Care should be taken to limit damage to the packaging when handling.

The Real Resource Timber Weatherboard System shall be installed only by trained and approved applicators (training to be carried out on site by an approved registered applicator).

3. COMPLIANCE WITH THE BUILDING CODE

3.1. NZBC COMPLIANCE

The Real Resource Timber Weatherboard System complies with the following clauses of the New Zealand Building Code:

B1 - Structure

B2 - Durability

E2 - External Moisture

F2 - Hazardous Building Materials

3.2. B1 STRUCTURE

The Real Resource Timber Weatherboard System when installed as per this manual is able to withstand up to and including Extra High wind zones as described in NZS 3604:2011. The weatherboard system if installed as per this manual will meet the requirements of NZBC Clause B1.

3.3. B2 DURABILITY

The Real Resource Timber Weatherboard System when installed as per this manual will meet the requirements of NZBC Clause B2 of 50 years.

3.4. E2 EXTERNAL MOISTURE

The Real Resource Timber Weatherboard System contributes to the requirements of NZBC Clause E2 relating to the resistance of water penetration, providing the integrity of the Real Resource Timber Weatherboard System is maintained.

The nominal 19mm cavity is provided to:

- Allow excess moisture to run down the inside of the cavity and escape through the vents or cavity closer.
- Provide air space permitting air to circulate within the cavity to dry out any dampness.

3.5. F2 HAZARDOUS BUILDING MATERIALS

In reference to NZBC Clause F2 regarding Hazardous Building Materials, the Real Resource Timber Weatherboard System is non-hazardous.

4. LIST OF SPECIFIED COMPONENTS

Real Resource Timber Weatherboard System	The system includes the following (dimensions of Real Resource Timber Weatherboard System below) <ul style="list-style-type: none"> - Real Resource Timber Weatherboard (180x18mm) - Real Resource Timber Weatherboard (187x18mm) - Real Resource Timber Box Corner (84x18mm) - Real Resource Timber Box Corner (100x18mm) - Real Resource Timber Fascia (180x18mm)
Weatherboard System Fixing	<ul style="list-style-type: none"> - 75 x 3.15mm galvanised or stainless steel annular groove jolt head nail (all components in direct fix) - 90 x 3.15mm galvanised or stainless steel annular groove jolt head nail (all components in cavity fix)
Frame Protection System:	<ul style="list-style-type: none"> - The specified Frame Protection System shall include an approved underlay, seam tape, head flashing tape, and pipe gaskets.
Frame Protection System Fixing	<ul style="list-style-type: none"> - Approved staples
Cavity Battens	<ul style="list-style-type: none"> - 19 x 70mm H3.2 timber cavity battens with an approved uPVC cavity closer suited to the batten size
Structural Cavity System Fixing	<ul style="list-style-type: none"> - 65 x 2.8mm stainless steel shank head nail (annular grooved?)
Approved Sealants	<ul style="list-style-type: none"> - Sikaflex MS Sealant - Penosil Premium Polystyrol Fixfoam 877 - Inseal Single Sided PVC Water Seal - Inseal 3259 (50 x 1.5mm)
Tape	<ul style="list-style-type: none"> - The selected approved flashing tape should be minimum 100mm wide designed for adequate sealing around penetrations in exterior walls
Flashings	The selected flashings must comply with NZBC Clause E2/AS1 (Note: Powder coated aluminium head flashings are typically supplied by window and door suppliers) <ul style="list-style-type: none"> - 1mm extruded aluminium parapet capping - 1mm extruded aluminium window sill flashing - 1mm extruded aluminium apron flashing - 1mm extruded aluminium window head flashing
Facings & moulds	The selected facings must comply with NZBC Clause E2/AS1 <ul style="list-style-type: none"> - Timber Planted Sill - Timber Jamb Facing - Timber Head facing - Soffit mould
Scribers	The selected and approved scribes and their fixings used for box corners must comply with NZBC
Corner Soaker	<ul style="list-style-type: none"> - James Hardie® External Corner Soaker (size to fit weatherboard)
Corner Soaker Fixing	<ul style="list-style-type: none"> - 30mm galvanised or stainless steel

WEATHERBOARD (180x18MM)

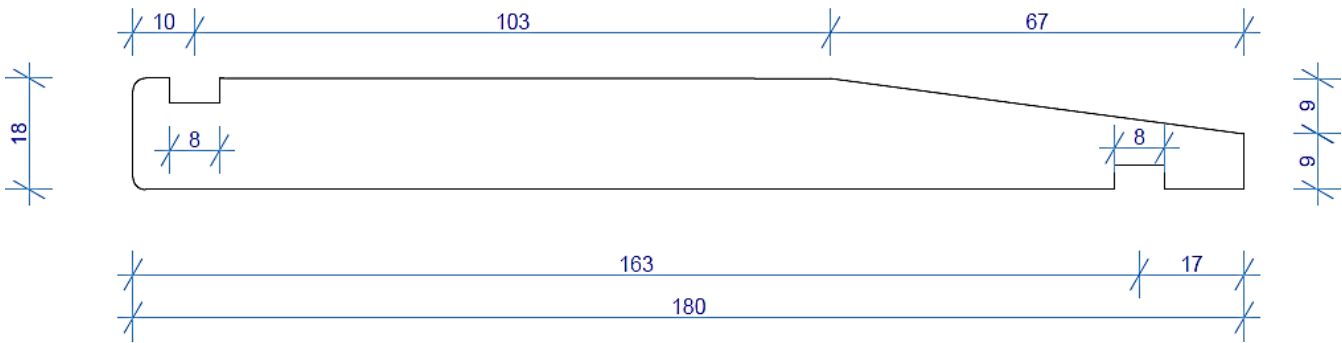


Figure 1

WEATHERBOARD (187x18MM)

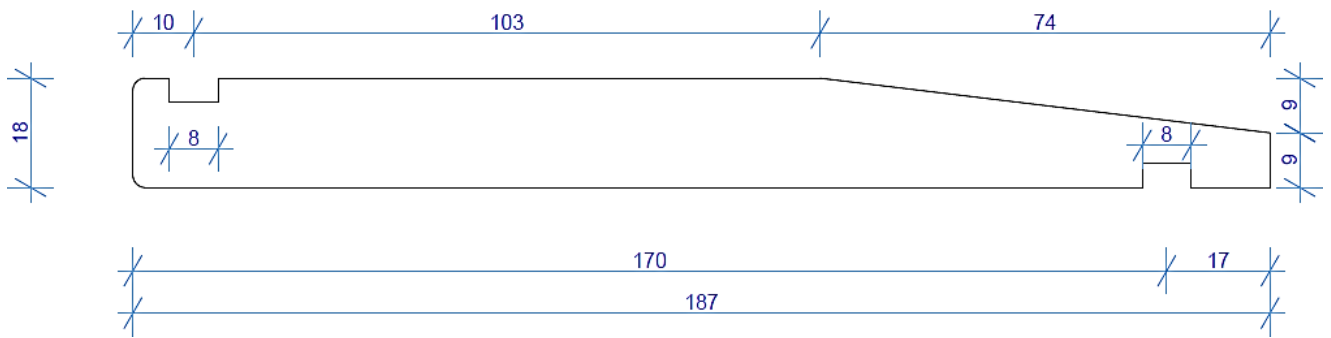


Figure 2

BOX CORNER (84x18MM)

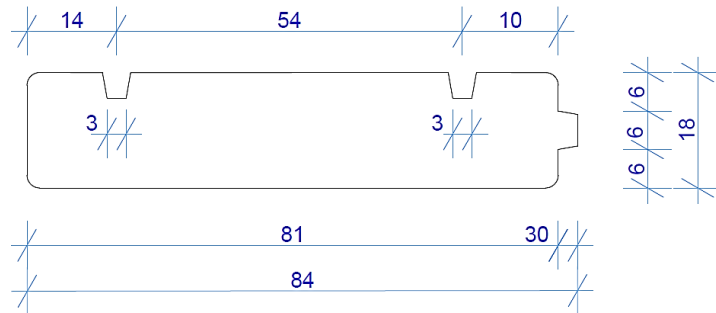


Figure 3

BOX CORNER (101x18MM)

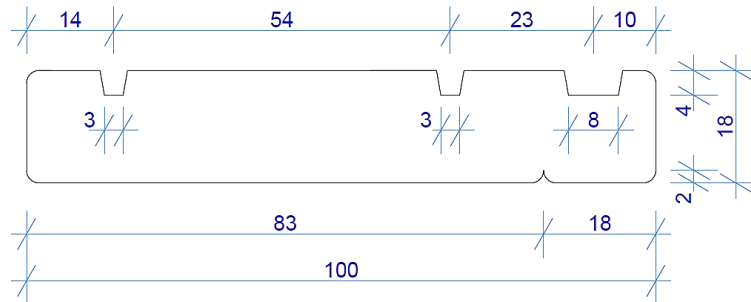


Figure 4

FASCIA BOARD (180x18MM)

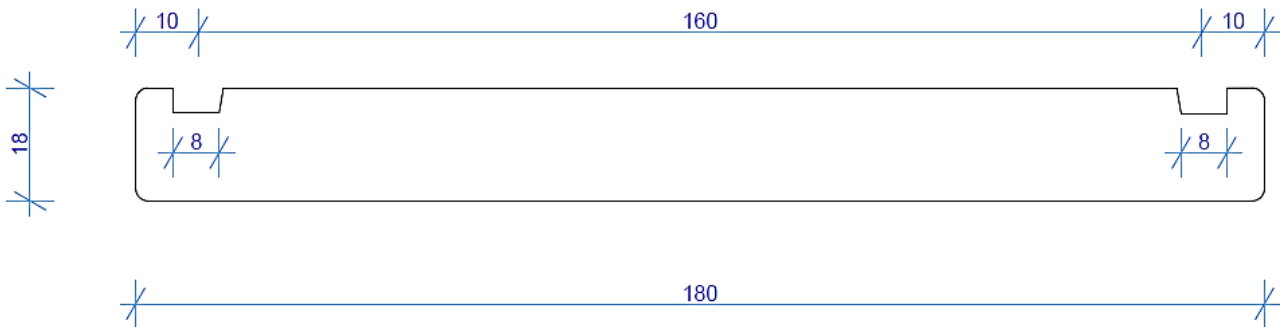


Figure 5

5. MAINTENANCE & WARRANTY

The Real Resource Timber Weatherboard System shall be:

- regularly cleaned and inspected
- periodically painted with a suitable exterior paint system
- periodically repainted to maintain appearance and protection of the timber weatherboards.

The Real Resource Timber Weatherboard System and associated components, when installed and maintained as per this manual, are warranted for a minimum life period of 15 years (from date of completion). Failure to correctly maintain the system may void any warranties offered with the system. **Such warranty shall not be provided until copies of completed site checklists have been received by the manufacturer.**

6. CONSTRUCTION DETAILS AND DRAWINGS

6.1 FRAMING & FRAME PROTECTION REQUIREMENTS

Timber framed wall studs should be placed at not more than 600mm centres and are to be constructed to NZS3604:2011 for timber framing.

Prior to installation of the Real Resource Timber Weatherboard System, a 'Frame Protection System' (FPS) comprising of a Real Resource approved wall underlay/ wrap fixed on using staples, then taped according to the manufacturer's instructions. The FPS shall be installed over the exterior wall framing and dressed into all window and door openings using the wall underlay manufacturer's specified seam tape (ensure the underlay is installed horizontally, and has all perimeter edges and laps taped). Only the manufacturer's approved gaskets should be used to seal water pipe and conduit penetrations to the wall underlay/wrap.

NOTE RELATING TO CAVITY FIX: On completion of the installation of the Frame Protection System, the 19 x 70mm H3.2 timber battens are to be fixed through the underlay to the framing using 65 x 2.8mm shank head nail @ 400mm centres.

6.2. CONSTRUCTION GUIDANCE

6.2.1. Installation Checklist:

A pre cladding system installation check is required: ensure the builder / LBP has completed items set out in the pre-cladding check list. (See section 8- 'Pre-Installation Checklist' for details)

6.2.2. The Real Resource Timber Weatherboard System Installation for direct fix:

- Check frame for straightness by using a 2 – 3 metre straight edge, both in the horizontal and vertical plain. If the wall frame is out of plumb more than 10mm or the horizontal alignment of the stud wall is misaligned, then corrective action to fix the issue is required. Inform the builder/project manager in writing prior to commencing the installation of The Real Resource Timber Weatherboard System that the wall must be straightened to within the correct tolerance.

- Check the correct set-out for the slab edge is correct (refer to DWG – 03 for direct fix) at the bottom junction where the wall and floor meet.
- Ensure all back-blocking for any wall fixtures like pipe penetrations, downpipes, light fittings, clotheslines, etc. are correctly installed prior to the underlay/rigid air barrier installation or prior to any internal lining installation.
- Selected underlay/rigid air barrier is temporarily glue fixed onto the face of the frame by applying a vertical glue strip of approximately 50mm wide every 600mm apart along the section of wall, starting from the left-hand wall corner and working across the wall to the right-hand corner or internal corner. Continue this process installing the wall wrap from the bottom first 1.2 metre height of wall and repeating the process again for the second and subsequent 1.2 metre section of wall wrap.
- Overlap the previous wall wrap by 50mm, this is the junction between the previous installed wall wrap and the next section of wall wrap installation which is sealed with the underlay/rigid air barrier manufacturers tape. Flashing tapes are applied to openings and penetrations and this completes the building wall wrap installation.
- All window and doors openings can now be cut and sealed according to the manufacturer's instruction (Refer to all window drawings).
- A minimum H3.1 treated timber cant strip (cut to suit weatherboard) must be provided to support the bottom board on the wall/bottom plate, as a starting point (refer to DWG – 03 for direct fix).
- To fix weatherboards, refer to Real Resource Timber Weatherboard System Fixing in table 4. List of Components.
- Weatherboards must be horizontally fixed at stud centres and exposed fixings must be 15mm from top of weatherboard. A total of 30mm of weatherboard is covered from one overlap, which is repeated until the top of the wall is reached (refer to DWG – 04 for direct fix), although no maximum height restrictions are in place, maximum Height is restricted to 10 metres from ground to the soffit wall junction as set out in the New Zealand Building Code.
- On completion of fixed weatherboards, either a mitred corner can be used to finish either the internal and external corners, or a box corner for the external corner. For mitred corners, prime and glue exposed ends with Sikaflex MS sealant before fixing James Hardie®

External Corner Soaker (size to fit weatherboard). For box corners, the use of both Box Corner (100x18mm) and Box Corner (84x18mm) are used, together with Sikaflex MS sealant and, with the option of a cut and primed scribe, fixed to the framing (refer to RealResource Timber Weatherboard System Fixing in table 4. List of Components) (refer to all internal and external drawings).

- To finish the wall, a specified eaves mould may be used to seal the wall to soffit (refer to DWG – 04 for direct fix).
- All window and doors can now be installed and sealed according to the manufacturer's instruction (Refer to all window drawings) with the option of facings, or no facings.

- After roofing has been installed, the Real Resource fascia board can be fixed to the specified roofing according to the type of roofing system used (refer to DWG – 04 for direct fix).
- Wall is now clad with Real Resource Timber Weatherboard System, ready for finishing/painting.

6.2.3. The Real Resource Timber Weatherboard System Installation for cavity fix:

- Check frame for straightness by using a 2 – 3 metre straight edge, both in the horizontal and vertical plain. If the wall frame is out of plumb more than 10mm or the horizontal alignment of the stud wall is misaligned, then corrective action to fix the issue is required. Inform the builder/project manager in writing that prior to commencing the installation of The Real Resource Timber Weatherboard System that the wall must be straightened to within the correct tolerance.
- Ensure that the correct set-out for the slab edge is correct (refer to DWG – 03 for cavity fix) at the bottom junction where the wall and floor meet.
- Once this has been achieved, ensure that all back-blocking for any wall fixtures like pipe penetrations, Downpipes, light fittings, clotheslines, etc. are installed prior to the underlay/rigid air barrier installation or prior to any internal lining installation.
- Selected underlay/rigid air barrier is temporarily glue fixed onto the face of the frame by applying a vertical glue strip of approximately 50mm wide every 600mm apart along the section of wall, starting from the left-hand wall corner and working across the wall to the right-hand corner or internal corner. Continue this process installing the wall wrap from the bottom first 1.2 metre height of wall and repeating the process again for the second and subsequent 1.2 metre section of wall wrap.
- Overlap the previous wall wrap by 50mm, this is the junction between the previous installed wall wrap and the next section of wall wrap installation which is sealed with the underlay/rigid air barrier manufacturer's tape. Flashing tapes are applied to openings and penetrations and this completes the building wall wrap installation.
- All window and doors openings can now be cut and sealed according to the manufacturer's instruction (Refer to all window drawings).
- Specified 70x19mm structural cavity battens are now fixed to the framing using fixings from Structural Cavity Batten System Fixing in table 4. List of Components, at stud centres.
- Cavity closer can now be installed according to manufacturer's specifications.
- A minimum H3.1 treated timber cant strip (cut to suit weatherboard) must be provided to support the bottom board on the wall/bottom plate/cavity battens, as a starting point (refer to DWG – 03 for cavity fix).
- To fix weatherboards, refer to Real Resource Timber Weatherboard System Fixing in table 3. List of Components.

- Weatherboards must be horizontally fixed at stud centres and exposed fixings must be 15mm from top of weatherboard. A total of 30mm of weatherboard is covered from one overlap, which is repeated until the top of the wall is reached (refer to DWG – 03 for cavity fix) or a horizontal joint is needed, although no maximum height restrictions are in place, maximum Height is restricted to 10 metres from ground to the soffit wall junction as set out in the New Zealand Building Code.
- On completion of fixed weatherboards, either a mitred corner can be used to finish either the internal and external corners, or a box corner for the external corner. For mitred corners, prime and glue exposed ends with Sikaflex MS sealant before fixing James Hardie® External Corner Soaker (size to fit weatherboard). For box corners, the use of both Box Corner (100x18mm) and Box Corner (84x18mm) are used, together with Sikaflex MS sealant and, with the option of a cut and primed scribe, fixed to the framing (refer to Real Resource Timber Weatherboard System Fixing in table 4. List of Components) (refer to all internal and external drawings).
- To finish the wall, a specified eaves mould may be used to seal the wall to soffit (refer to DWG – 04 for cavity fix).
- All window and doors can now be installed and sealed according to the manufacturer's instruction (Refer to all window drawings) with the option of facings, or no facings.
- After roofing has been installed, the Real Resource fascia board can be fixed to the specified roofing according to the type of roofing system used (refer to DWG – 04 for cavity fix).
- Wall is now clad with Real Resource Timber Weatherboard System, ready for finishing/painting.

6.2.4. Installer's Requirements

Installation of the timber weatherboards should be done only by those who have been trained and approved by Real Resource.

6.3. PAINTING SPECIFICATION

6.3.1. Materials

A premium factory applied primer and undercoat has been applied in two separate coats. Site prime all bare timber surfaces and cut-ends with End Seal aerosol primer before fixing. Allow to dry between coats.

Finishing coats: 100% premium acrylic house paint (insert specific manufacturers product) as specified in Parts 7, 8, 9 and 10 of AS 3730.

Note: Resin bleed may occur from timber in hot conditions or where painted in dark colours. Adherence to the above specification will help minimise the problem.

6.3.2. Painting

Note: Primers cannot withstand exposure to weather for extended periods.

Note: Using light colours lessens the chance of distortion by reducing solar heat build up in the weatherboards.

Carry out all painting work in accordance with the appropriate clauses of AS/NZS 2311 Guide to Painting of Buildings.

Finishing coats to be applied after installation of the exterior sheathing, joinery and trim. Prior to applying finishing coats ensure no moisture related dimensional swelling is evident by measuring profiles against original profile sizes. If swelling is present, delay finish coating until the timber profiles have returned to their original machined sizes.

Fill all nail holes with an exterior grade filler, sand to a smooth surface and spot-prime filled areas and wherever the coating is damaged.

Apply two full coats of 100% premium acrylic house paint with a gloss level of 10% and a Light Reflective Value of 45% or greater (ASTM C1549 or ASTM E903).

6.4. CONSTRUCTION DRAWINGS

The construction drawings for direct fix and cavity fix over timber frame are listed in APPENDIX A.

7. QUALITY MANAGEMENT

7.1. BUILDING PRODUCT QUALITY PLAN

Quality of the Real Resource Timber Weatherboard System is managed through the use of onsite checklists, provided in section 8 of this technical manual and referred to in the Building Product Quality Plan (BPQP). The Real Resource Building Product Quality Plan v1.0 is a separate document and is available from Real Resource on request.



8. ONSITE CHECKLISTS



A. PRE-CLADDING INSTALLATION CHECKLIST

For LBPs, supervisors, and building inspectors

Consent No: _____

Address: _____

Builder: _____ Mobile: _____

Designer: _____ Mobile: _____

NOTE: Framing must be correctly constructed to enable the correct installation of the Real Resource Timber Weatherboard System

Floor slab lay out

Where the design of the weatherboard is to over-hang the slab, the bottom plate shall be flush with the slab

Framing

Studs are straight ready for weatherboard installation

Wall underlay / Rigid air Barrier

Either a “frame protection system incorporating an underlay and tape system, or a “rigid air barrier system” shall be installed.

In both cases tapes shall be used to make the wall airtight around the perimeter of the wall.

Check that only approved gaskets and/or tape are used to seal window openings and pipe penetrations.

Windows

Window framing needs to be 5 mm from timber reveals. Refer to drawings.

Variations/ Comments:

Signed: _____ Date: _____

(Name of supervisor)



B. POST-CLADDING INSTALLATION CHECKLIST

For LBPs, supervisors, and building inspectors

Consent No: _____

Address: _____

Builder: _____ Mobile: _____

Designer: _____ Mobile: _____

NOTE: Framing must be correctly constructed to enable the correct installation of the Real Resource Timber Weatherboard System

1. Have the specified fixings been used?
2. Are all fixing locations in accordance with the technical anual drawings?
3. Are all fixings flush with the surface of the weatherboards?
4. Has the specified starter strip been used?
5. Has the specified sealing tape been used to seal between window and door framing and either the frame protection system (fps) or rigid air barrier?
6. Have the Aluminium angles around all windows and doors been installed?
7. Have the specified sealing tapes been used to seal the Aluminium angles to the fps or rab?
8. Have all external and internal corner junctions been flashed in accordance with the technical manual and drawings?
9. Have the selected face plates been installed around pipe and other penetrations?
10. Are all external and external corners straight from top to bottom?
11. Is the completed work ready for coating/painting?

Variations/ Comments:

Signed: _____ Date: _____
(Name of supervisor)

APPENDIX A – CONSTRUCTION DRAWINGS

DIRECT FIX

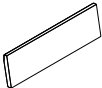
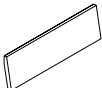
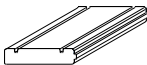
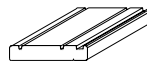
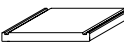
DWG – 01	PRODUCT AND ACCESSORY LIST FOR DIRECT FIX – PART ONE
DWG – 01A	PRODUCT AND ACCESSORY LIST FOR DIRECT FIX – PART TWO
DWG – 02	FIXING SETOUT DETAIL FOR DIRECT FIX
DWG – 03	SLAB EDGE/FOUNDATION DETAIL FOR DIRECT FIX
DWG – 04	SOFFIT AND FASCIA DETAIL FOR DIRECT FIX
DWG – 05	WEATHERBOARD FIXING DETAIL FOR DIRECT FIX
DWG – 06	EXTERNAL CORNER DETAIL FOR DIRECT FIX
DWG – 07	INTERNAL CORNER DETAIL FOR DIRECT FIX
DWG – 08	WINDOW SILL DETAIL FOR DIRECT FIX
DWG – 09	WINDOW HEAD DETAIL FOR DIRECT FIX
DWG – 10	WINDOW JAMB DETAIL FOR DIRECT FIX
DWG – 11	PARAPET AND APRON FLASHING DETAIL FOR DIRECT FIX
DWG – 12	PIPE PENETRATION DETAIL FOR DIRECT FIX

CAVITY FIX

DWG – 13	PRODUCT AND ACCESSORY LIST FOR CAVITY FIX – PART ONE
DWG – 13A	PRODUCT AND ACCESSORY LIST FOR CAVITY FIX – PART TWO
DWG – 14	FIXING SETOUT DETAIL FOR CAVITY FIX
DWG – 15	SLAB EDGE/FOUNDATION DETAIL FOR CAVITY FIX
DWG – 16	SOFFIT AND FASCIA DETAIL FOR CAVITY FIX
DWG – 17	WEATHERBOARD FIXING DETAIL FOR CAVITY FIX
DWG – 18	HORIZONTAL CONTROL JOINT DETAIL FOR CAVITY FIX
DWG – 19	EXTERNAL CORNER DETAIL FOR CAVITY FIX
DWG – 20	INTERNAL CORNER DETAIL FOR CAVITY FIX
DWG – 21	WINDOW SILL DETAIL FOR CAVITY FIX
DWG – 22	WINDOW HEAD DETAIL FOR CAVITY FIX
DWG – 23	WINDOW JAMB DETAIL FOR CAVITY FIX
DWG – 24	PARAPET AND APRON FLASHING DETAIL FOR CAVITY FIX
DWG – 25	PIPE PENETRATION DETAIL FOR CAVITY FIX
DWG – 26	ALTERNATIVE SOLUTION – DIRECT FIXED ON RAB HEAD DETAIL
DWG – 27	ALTERNATIVE SOLUTION – DIRECT FIXED ON RAB JAMB DETAIL
DWG – 28	ALTERNATIVE SOLUTION – DIRECT FIXED ON RAB SILL DETAIL


REAL RESOURCE TIMBER WEATHERBOARD SYSTEM

All dimensions and masses provided are approximate only and subject to manufacturing tolerances.







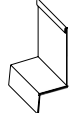
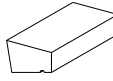
Product	Description	Size			Product Code
		Thickness (mm)	Length (mm)	Width (mm)	
	Real Resource Timber Weatherboard Refer to figure 1	18	5000	180	0001
	Real Resource Timber Weatherboard Refer to figure 2	18	5000	187	0002
	Real Resource Timber Box Corner Refer to figure 3	18	5000	84	0003
	Real Resource Timber Box Corner Refer to figure 4	18	5000	101	0004
	Real Resource Timber Fascia Refer to figure 5	18	5000	180	0005

Accessories/tools not supplied by REAL RESOURCE

REAL RESOURCE recommends the following products for use in conjunction with REAL RESOURCE TIMBER WEATHERBOARD SYSTEM. REAL RESOURCE does not supply these products and does not provide warranty for their use. Please contact component manufacturer for information on their warranties and further information on their product

Product	Description
	Selected drainage barrier/underlay system Used as a drainage barrier/underlay between weatherboard and framing, complete with selected tape for laps/joins

Accessories/tools not supplied by REAL RESOURCE

Product	Description
	Tensorgrip F20 Adhesive Spray Used as an adhesive to assist with the fixture of the specified frame protection system/underlay to framing
	Penosil Premium Polystyrol Fixfoam 877 Used as a low foaming polyurethane for sealants including windows, etc.
	Sikaflex MS Sealant Used as a flexible joint sealant for the joining of materials
	Inseal Single Sided PVC Water Seal Used as a tape sealant for the sealant of materials - Inseal 3259 (50x1.5mm)
	75x3.15mm stainless steel jolt head nail Used to fix weatherboard & scribe components to framing
	Flashing Tape 100mm Used as a self-adhered, waterproof flashing membrane designed for sealing around openings and penetrations in exterior walls
	Flashings Used to direct water and protect elements in the Real Resource Weatherboard System - 1mm extruded aluminium parapet capping - 1mm extruded aluminium window sill flashing - 1mm extruded aluminium apron flashing - 1mm extruded aluminium window head flashing - 1mm extruded aluminium corner flashing
	Facings & Moulds Used as a timber finishing around openings - Planted sill - Jamb facing - Head facing - Soffit mould

DWG - 01 PRODUCT AND ACCESSORY LIST FOR DIRECT FIX - PART ONE

NOT TO SCALE

REAL RESOURCE TIMBER WEATHERBOARD SYSTEM


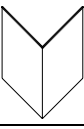

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- THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE LIST OF SPECIFIED / ACCEPTED PRODUCTS SUPPLIED WITH THE REAL RESOURCE TIMBER WEATHERBOARD SYSTEM TECHNICAL MANUAL.
- SUBSTRATE TO BE PREPPED READY TO APPLY THE REAL RESOURCE TIMBER WEATHERBOARD SYSTEM TO. THIS MUST COMPLY WITH ALL RELEVANT STANDARDS AND REQUIREMENTS e.g. NZBC, REAL RESOURCE AND OTHER PRODUCTS DETAILS.

NOV 2017 - VERSION 2.0



Accessories/tools not supplied by REAL RESOURCE

Product	Description
	<p>Scribers Used to scribe alongside box corners, size is cut to suit weatherboard (15mm min.)</p>
	<p>James Hardie® External Corner Soaker Used as a stainless steel cover on mitred corners, size to fit weatherboards</p>
	<p>30mm stainless steel product nail Used to fix corner soaker to weatherboard</p>

DWG - 01A PRODUCT AND ACCESSORY LIST FOR DIRECT FIX - PART TWO

NOT TO SCALE

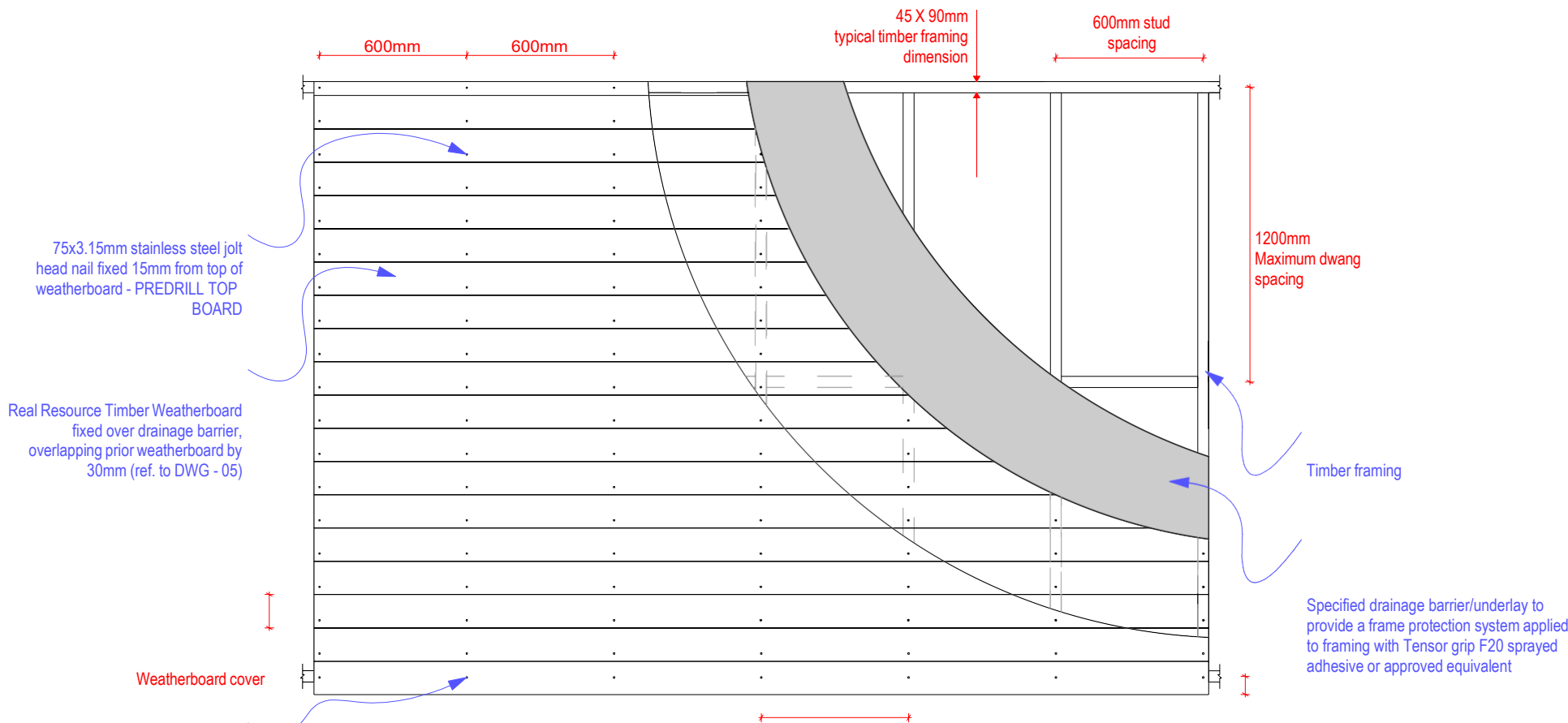
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DWG - 02 FIXING SETOUT DETAIL FOR DIRECT FIX

Weatherboard must be fixed into studs at maximum 600mm centres. Fixing centres to coincide with stud spacing.

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50mm weatherboard overhang for concrete foundation

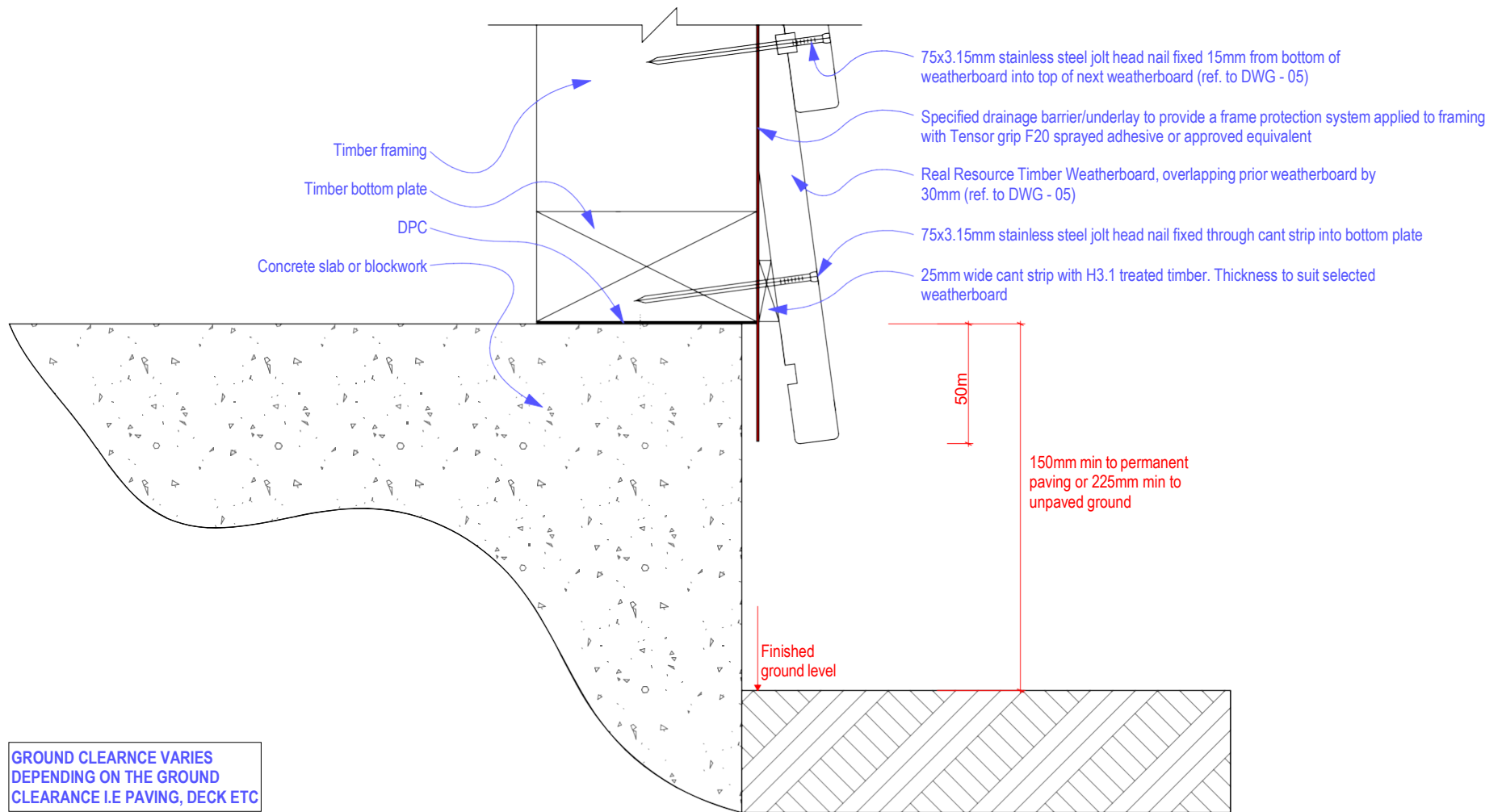
SCALE: 1:10 @ A4

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GROUND CLEARANCE VARIES
DEPENDING ON THE GROUND
CLEARANCE I.E PAVING, DECK ETC

DWG - 03 SLAB EDGE/FOUNDATION DETAIL FOR DIRECT FIX

SCALE: 1:2 @ A4

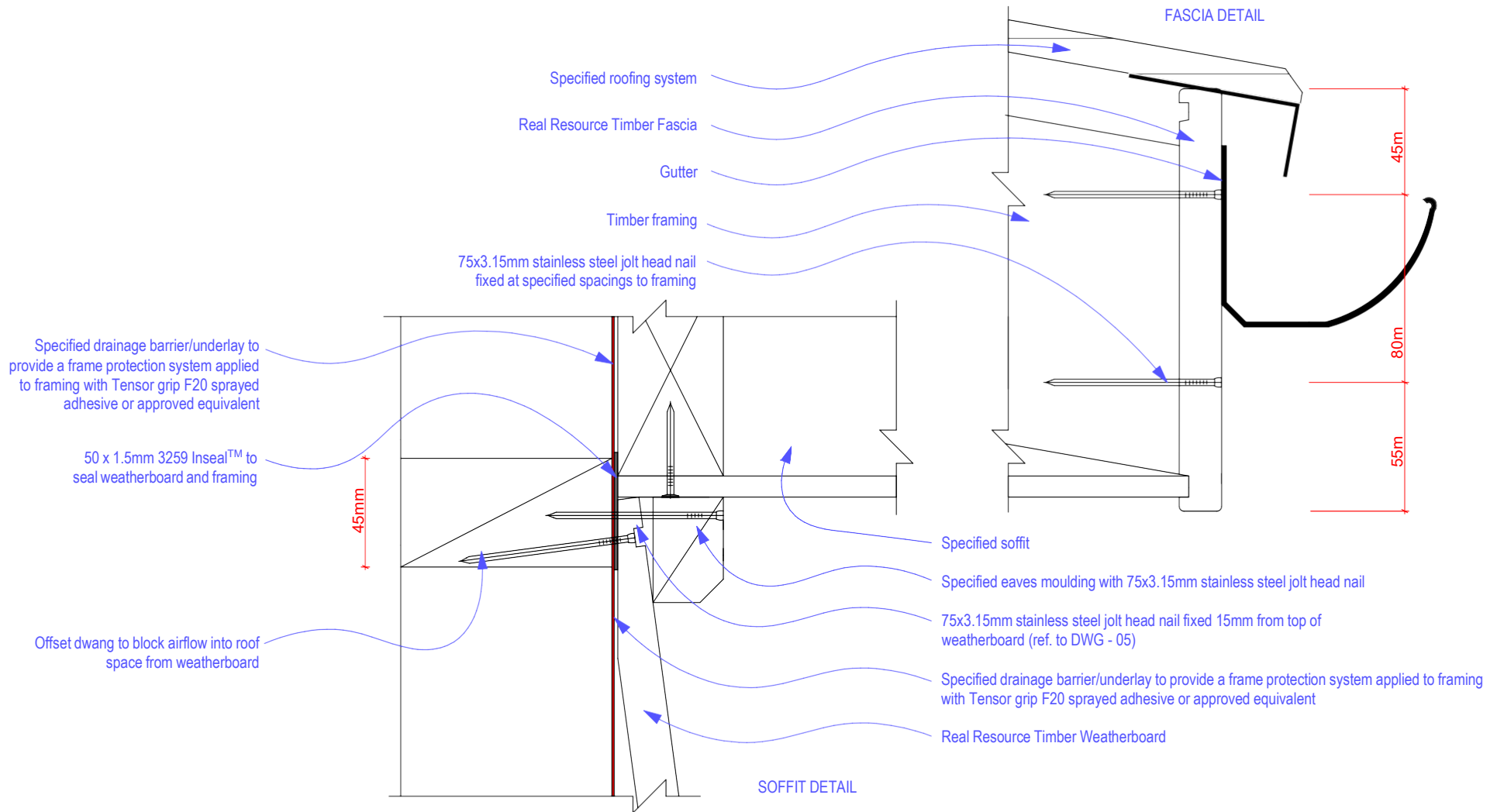
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DWG - 04 SOFFIT AND FASCIA DETAIL FOR DIRECT FIX

SCALE: 1:2 @ A4

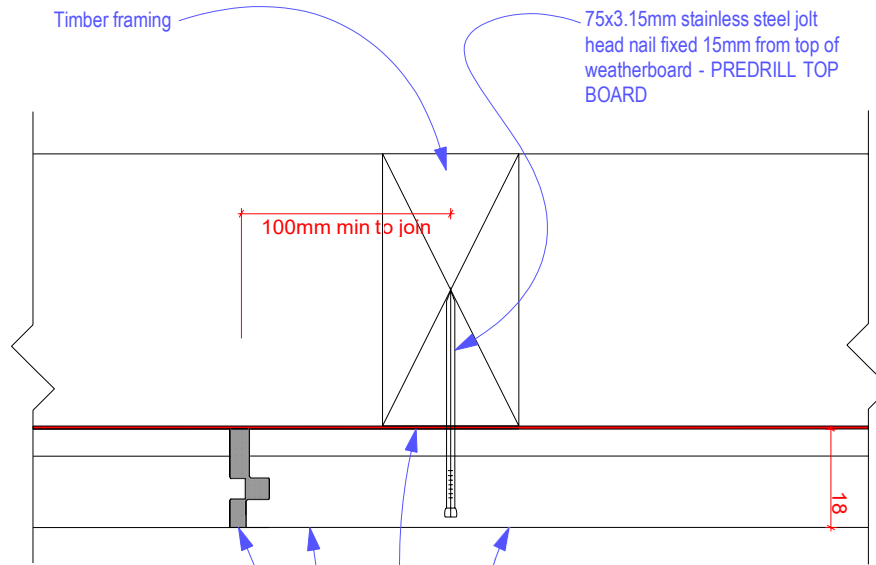
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Timber framing

75x3.15mm stainless steel jolt head nail fixed 15mm from top of weatherboard - PREDRILL TOP BOARD

100mm min to join

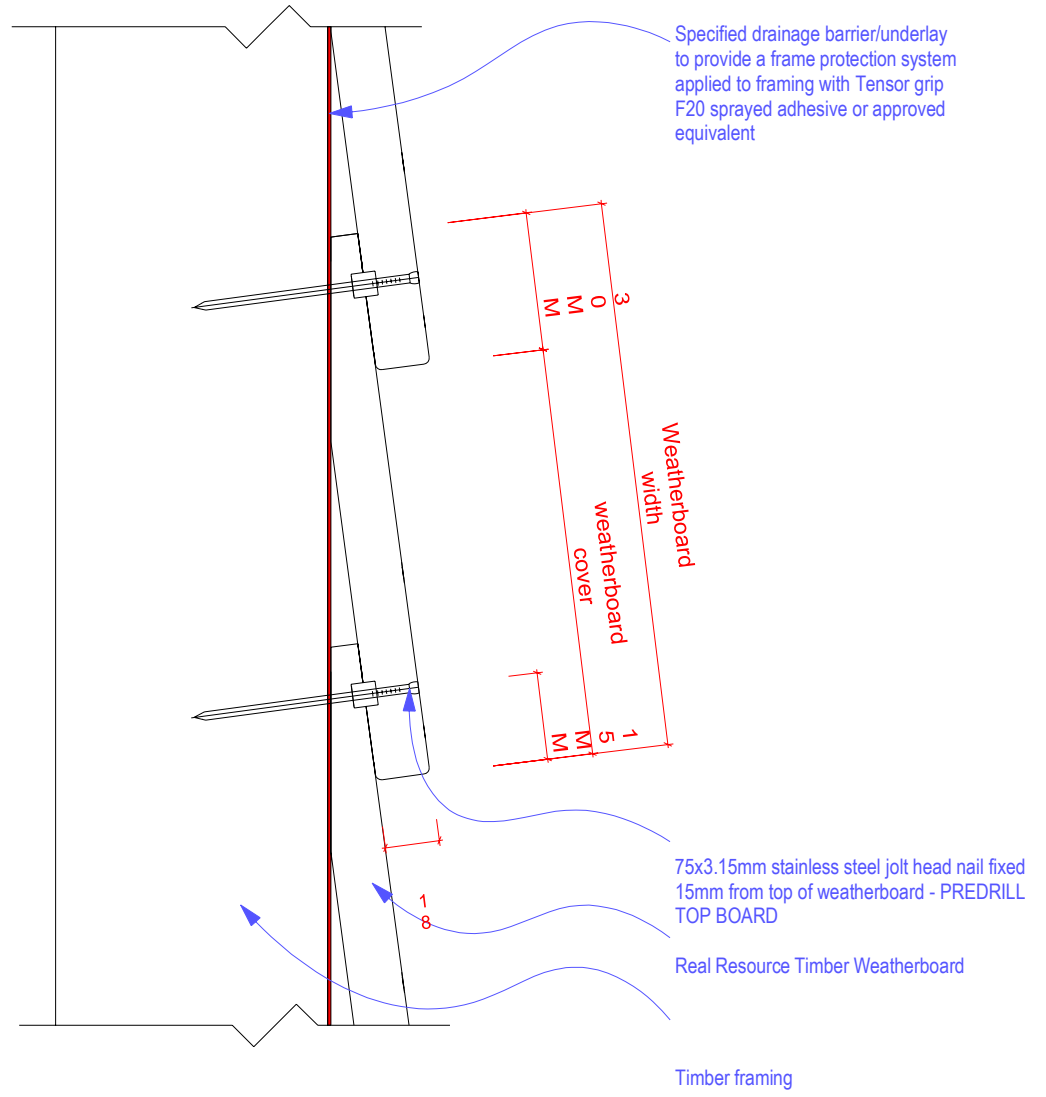
18

Before joining, apply Sikaflex MS sealant or equivalent - do not paint over

Each weatherboard joint must be staggered 600mm min.

Real Resource Timber Weatherboard

Specified drainage barrier/underlay to provide a frame protection system applied to framing with Tensor grip F20 sprayed adhesive or approved equivalent



Specified drainage barrier/underlay to provide a frame protection system applied to framing with Tensor grip F20 sprayed adhesive or approved equivalent

300 M M

Weatherboard width

weatherboard cover

15 M M

75x3.15mm stainless steel jolt head nail fixed 15mm from top of weatherboard - PREDRILL TOP BOARD

Real Resource Timber Weatherboard

18

Timber framing

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DWG - 05 WEATHERBOARD FIXING DETAIL FOR DIRECT FIX

SCALE: 1:2 @ A4

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NOTE: Specified sealant must cover all width of weatherboard, wipe off excess

Before joining, apply Sikaflex MS sealant or equivalent to both sides of Box Corner system

84mm

Scriber (15mm wide min) cut to fit weatherboard, fix with sealant to back of scriber and 75x3.15mm stainless steel jolt head nail in 3mm predrilled hole

50mm min.

Real Resource Timber Box Corner system, fixed with 75x3.15mm stainless steel jolt head nails @ 300mm staggered centres

BOXED CORNER

100mm

1mm extruded aluminium corner flashing to seal weatherboard and framing around corner

50mm min.

Timber framing

MITERED CORNER

60mm

Real Resource Timber Weatherboard

Specified drainage barrier/underlay to provide a frame protection system applied to framing with Tensor grip F20 sprayed adhesive or approved equivalent

Compound mitre corners of weatherboards, prime and glue exposed ends with Sikaflex MS sealant, and fix James Hardie® External Corner Soaker with 30mm product nails 15mm from top of weatherboard

Specified drainage barrier/underlay to provide a frame protection system applied to framing with Tensor grip F20 sprayed adhesive or approved equivalent

NOTE: Box Corner system must not be used on underlying floor joints

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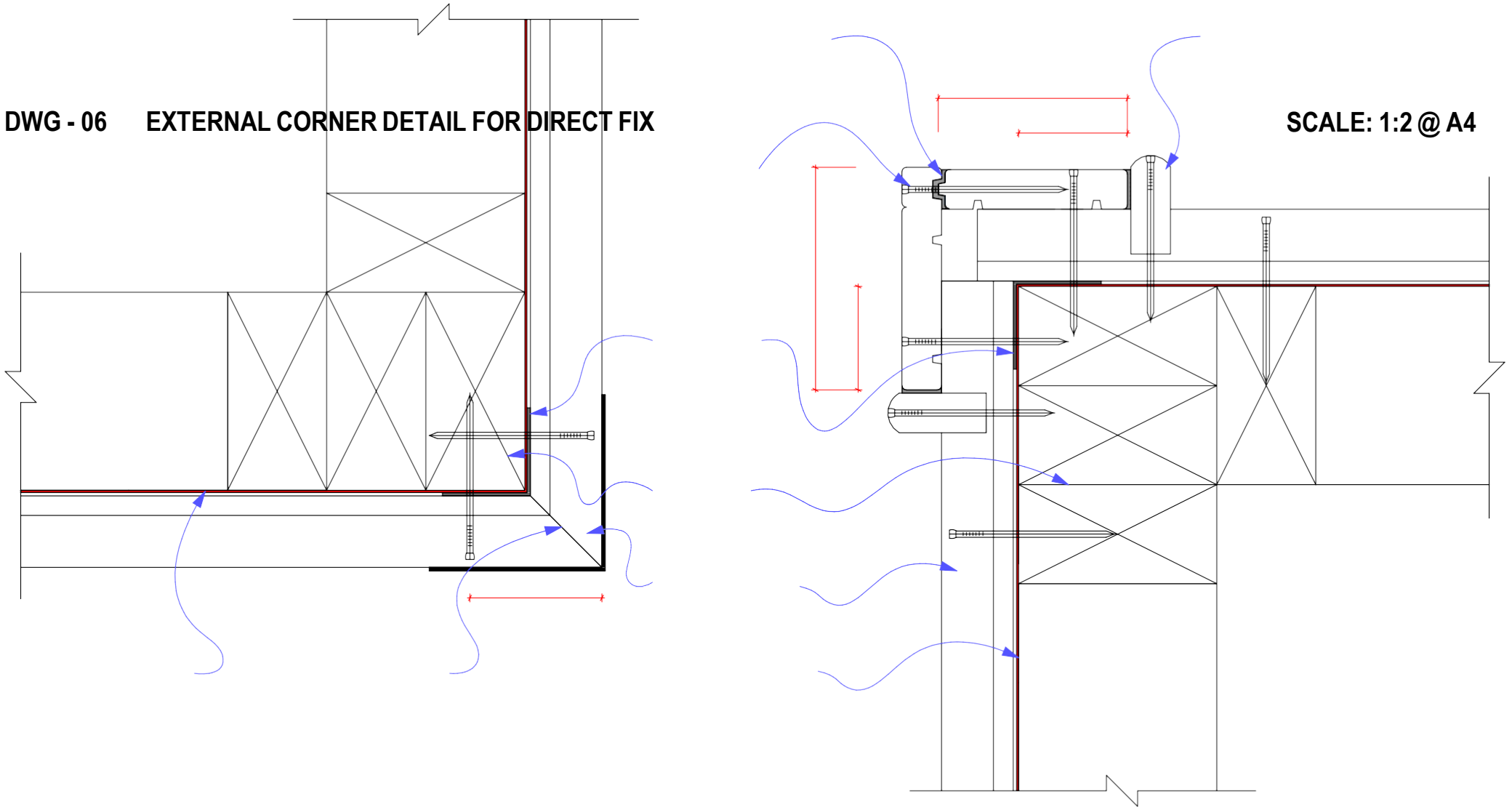
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DWG - 06 EXTERNAL CORNER DETAIL FOR DIRECT FIX

SCALE: 1:2 @ A4



REAL RESOURCE TIMBER WEATHERBOARD SYSTEM

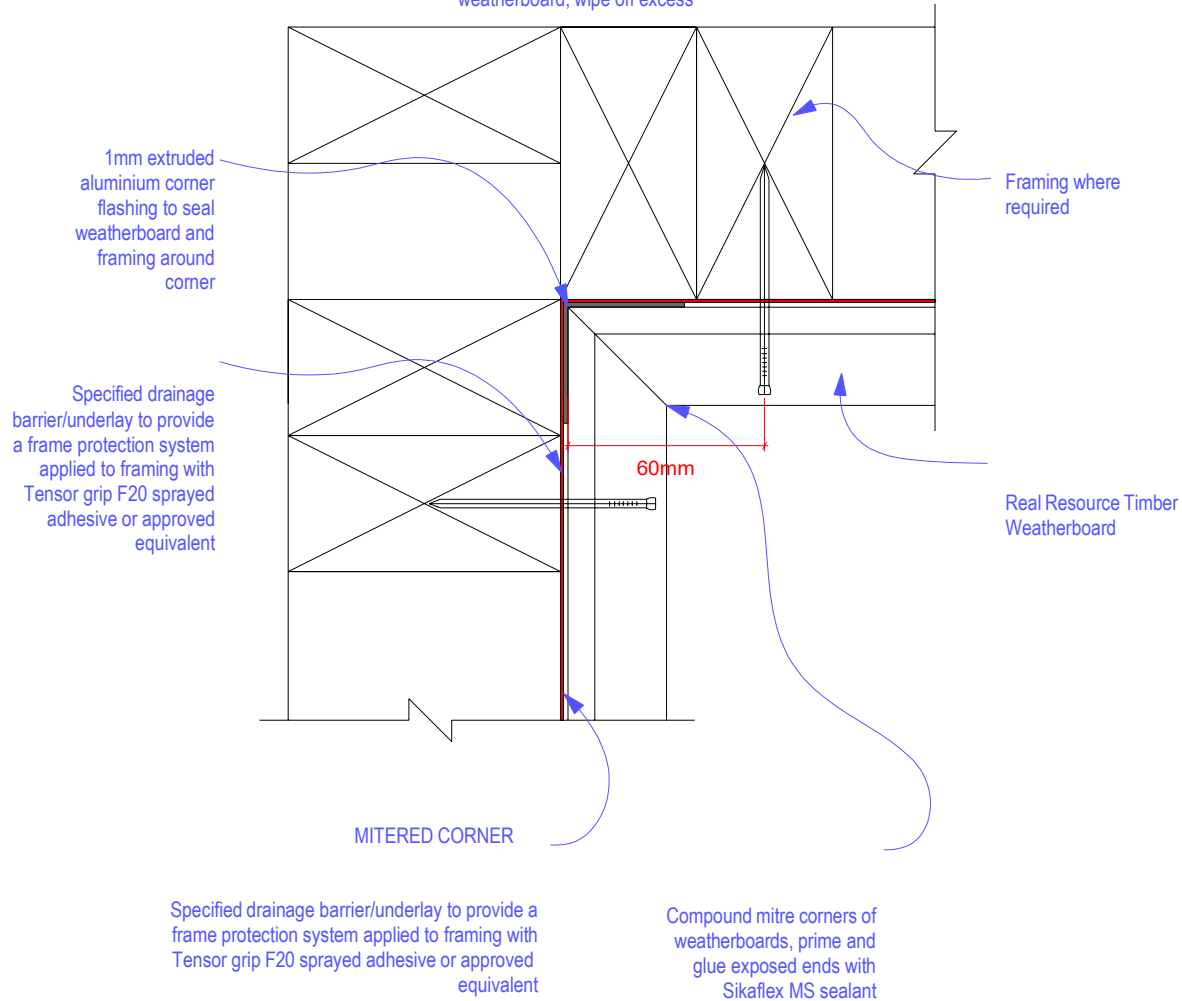
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NOTE: Specified sealant must cover all width of weatherboard, wipe off excess



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DWG - 07 INTERNAL CORNER DETAIL FOR DIRECT FIX

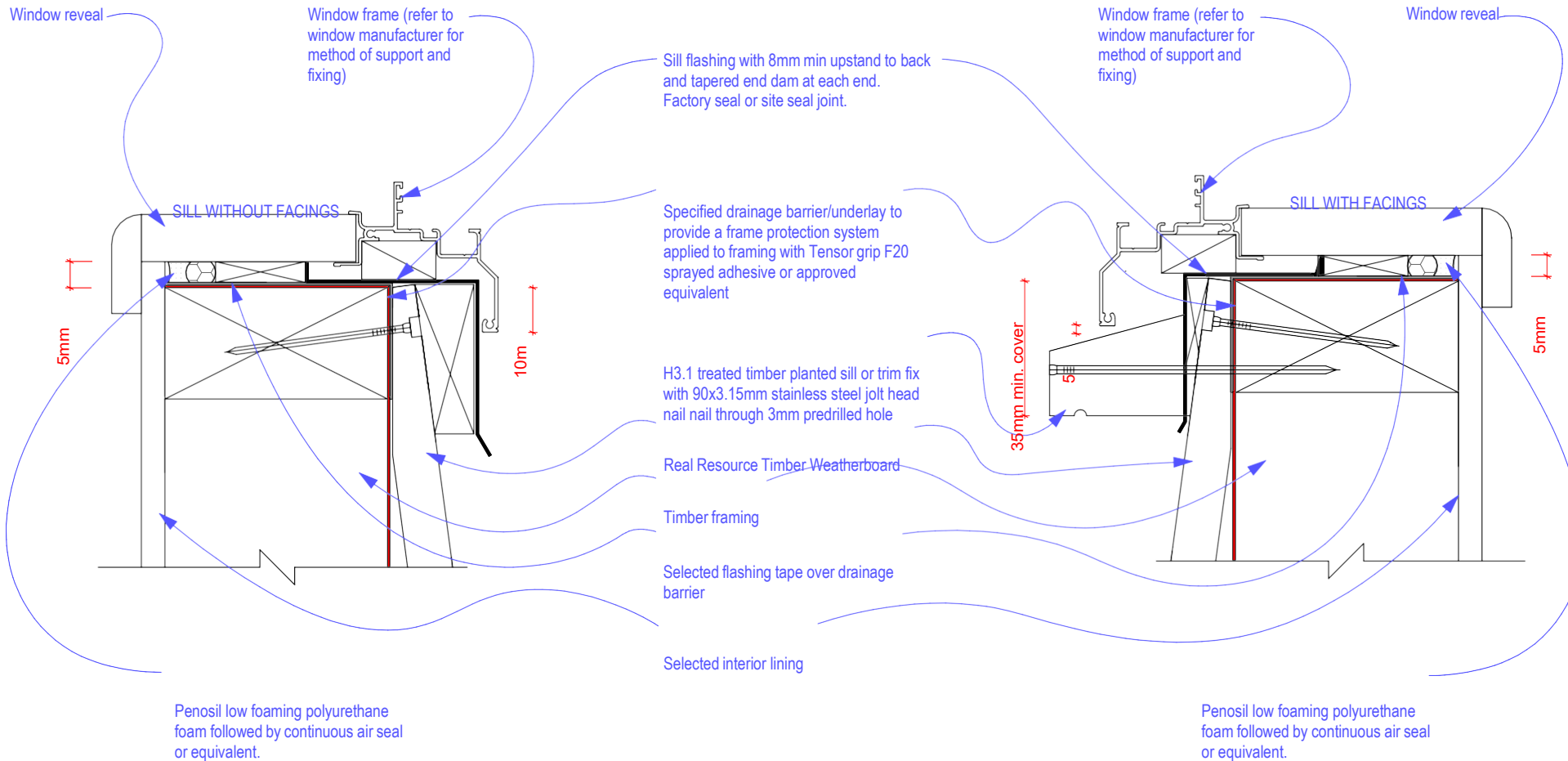
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DWG - 08 WINDOW SILL DETAIL FOR DIRECT FIX

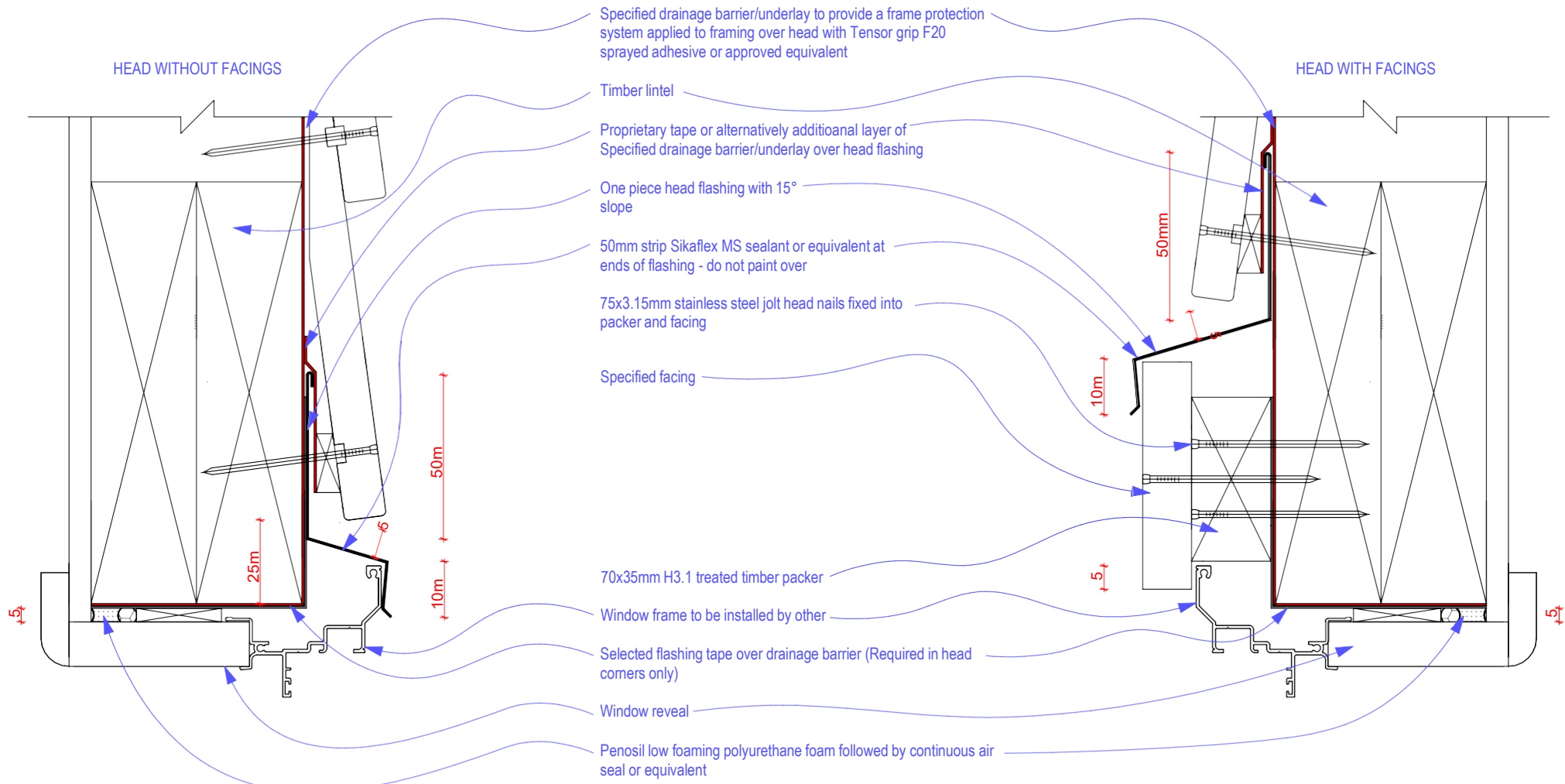
SCALE: 1:2 @ A4

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DWG - 09 WINDOW HEAD DETAIL FOR DIRECT FIX

SCALE: 1:2 @ A4

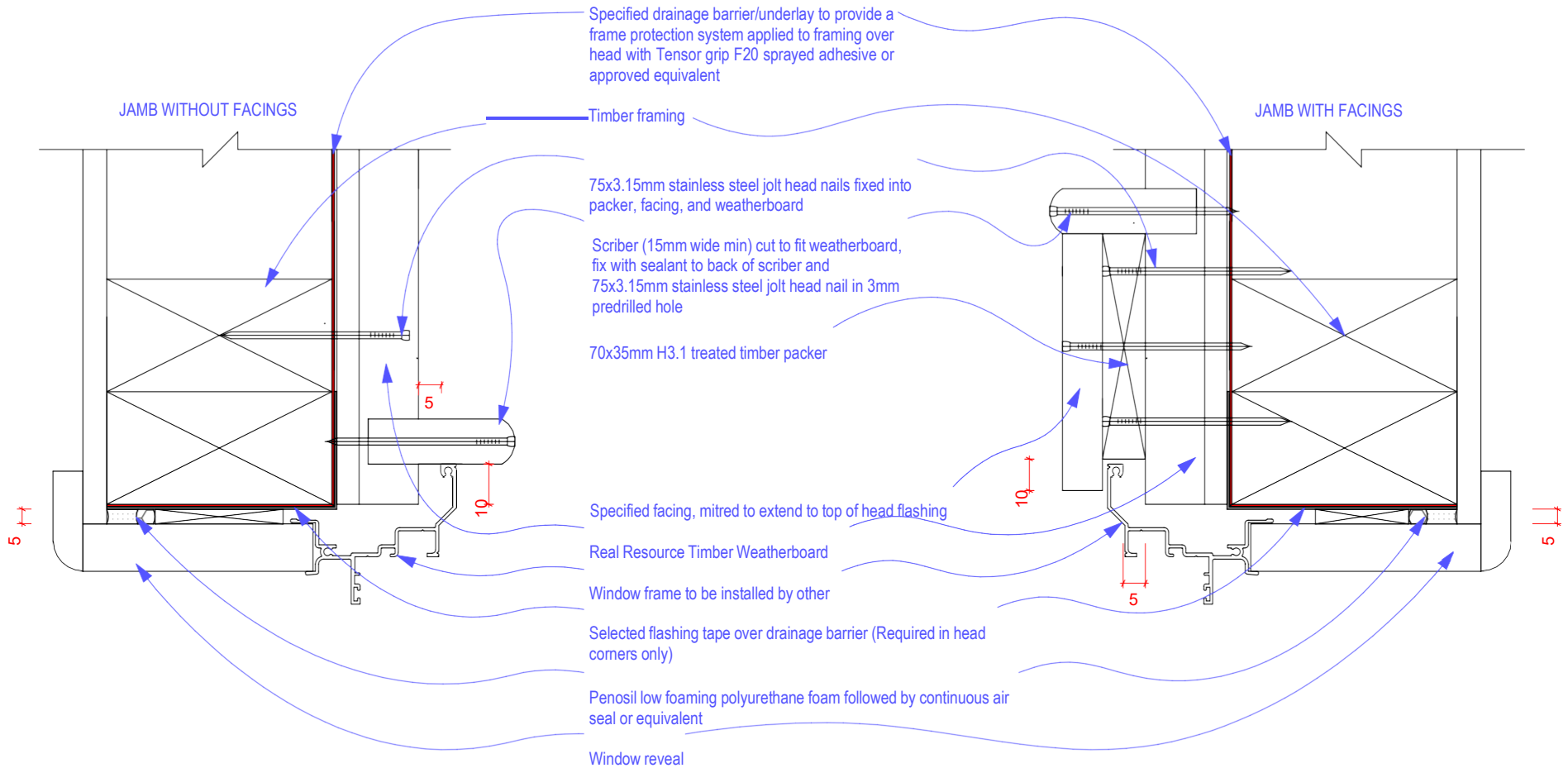
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DWG - 10 WINDOW JAMB DETAIL FOR DIRECT FIX

SCALE: 1:2 @ A4

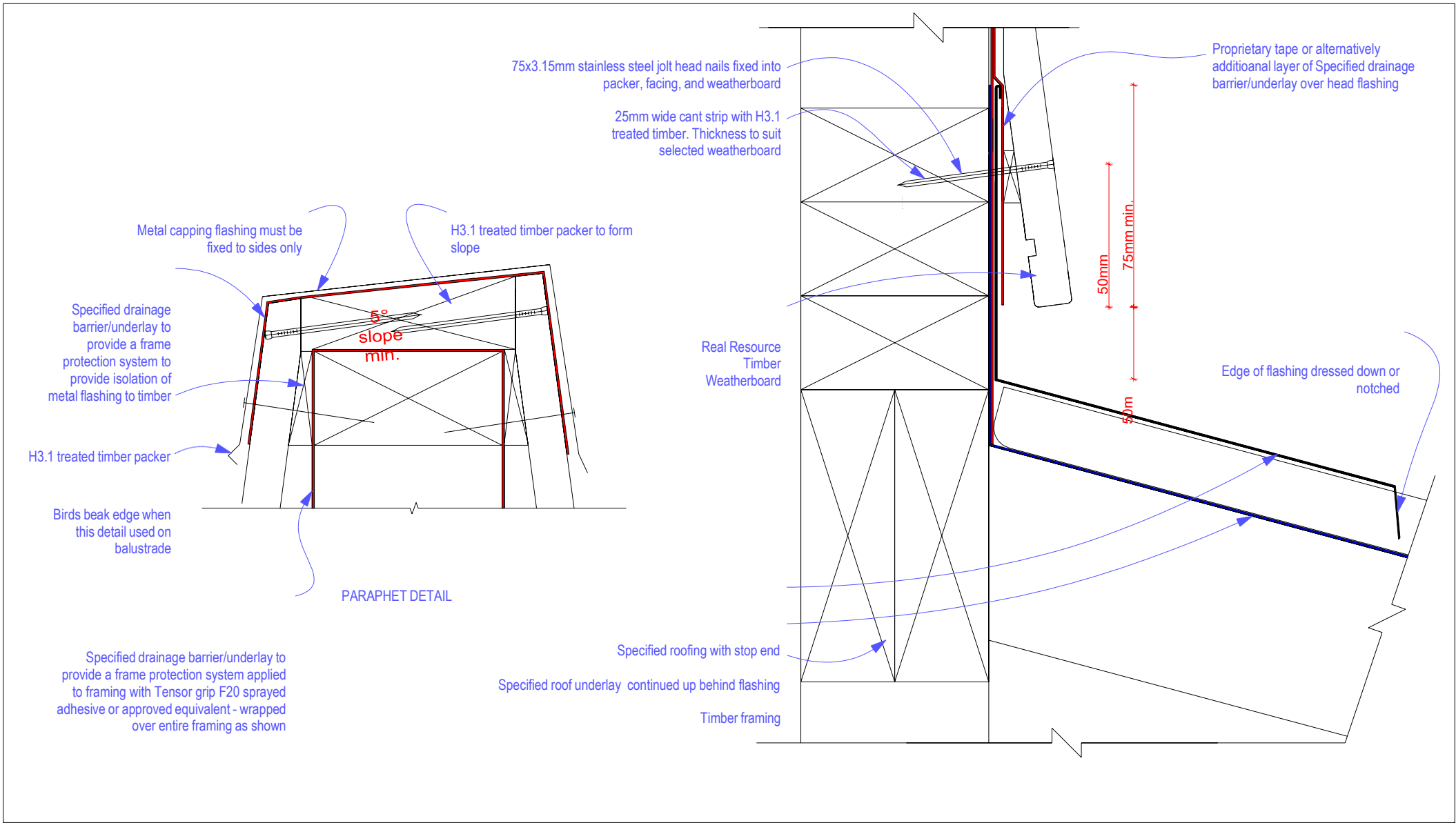
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DWG - 11 PARAPHET AND APRON FLASHING DETAIL FOR DIRECT FIX

APRON DETAIL

SCALE: 1:2 @ A4

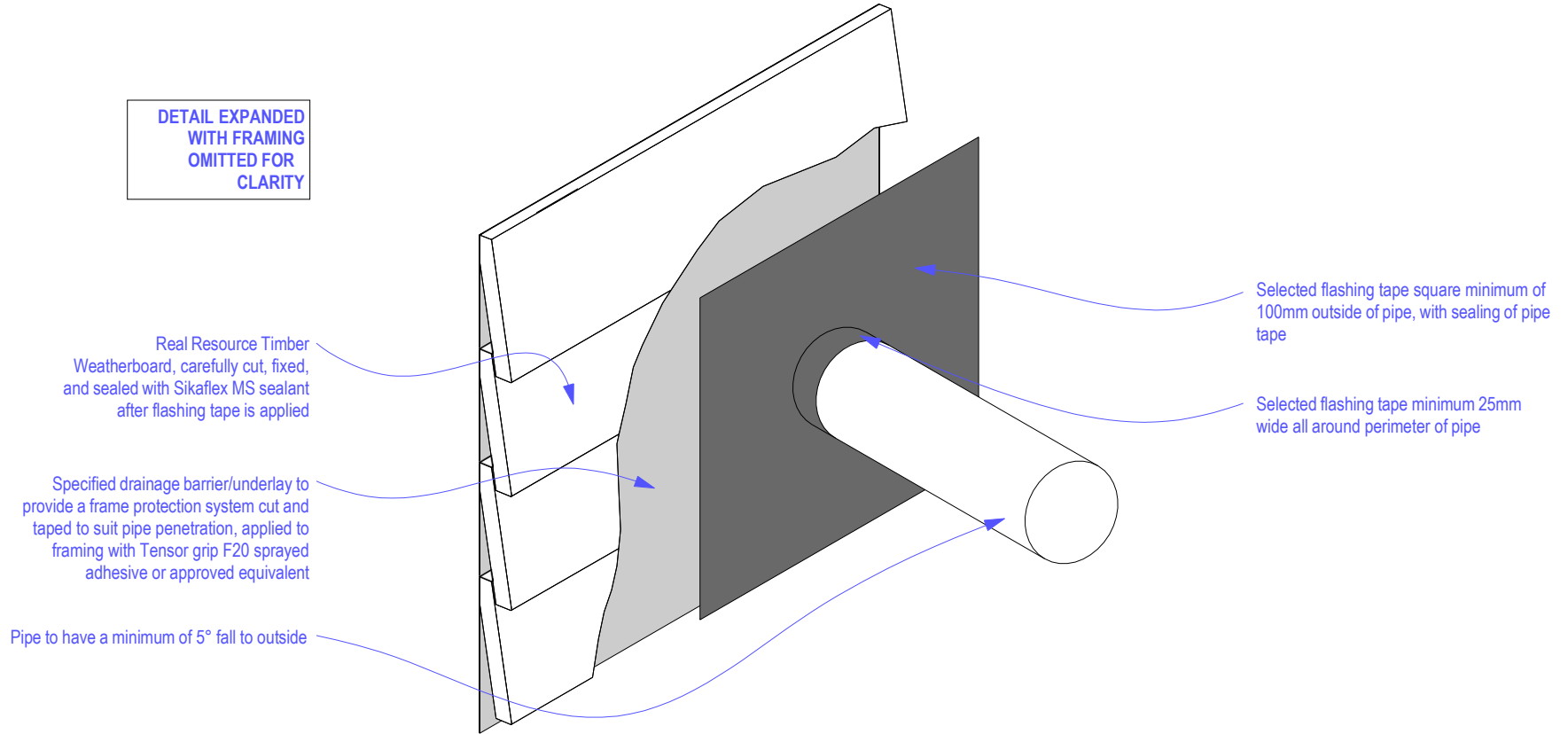
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DETAIL EXPANDED
WITH FRAMING
OMITTED FOR
CLARITY



DWG - 12 PIPE PENETRATION DETAIL FOR DIRECT FIX

SCALE: 1:10 @ A4

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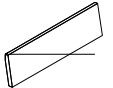
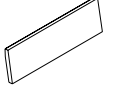
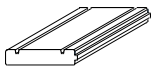
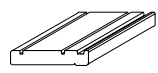
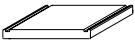
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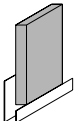

REAL RESOURCE TIMBER WEATHERBOARD SYSTEM

All dimensions and masses provided are approximate only and subject to manufacturing tolerances.







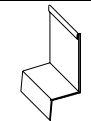
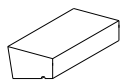
Product	Description	Size			Product Code
		Thickness (mm)	Length (mm)	Width (mm)	
	Real Resource Timber Weatherboard	18	5000	180	0001
	Real Resource Timber Weatherboard	18	5000	187	0002
	Real Resource Timber Box Corner	18	5000	84	0003
	Real Resource Timber Box Corner	18	5000	101	0004
	Real Resource Timber Fascia	18	5000	180	0005

Accessories/tools not supplied by REAL RESOURCE

REAL RESOURCE recommends the following products for use in conjunction with REAL RESOURCE TIMBER WEATHERBOARD SYSTEM. REAL RESOURCE does not supply these products and does not provide warranty for their use. Please contact component manufacturer for information on their warranties and further information on their product

Product	Description
	Selected drainage barrier/underlay Used as a drainage barrier/underlay between weatherboard and framing
	Structural cavity system Used as a cavity system, fixed onto framing. uses 70x19mm timber cavity battens with uPVC cavity closer
	65 x 2.8mm stainless steel shank nails Used to fix cavity battens to framing

Accessories/tools not supplied by REAL RESOURCE

Product	Description
	Tensorgrip F20 Adhesive Spray Used as an adhesive for the fixture of the specified drainage barrier/underlay to framing
	Penosil Premium Polystyrol Fixfoam 877 Used as a low foaming polyurethane for sealants including windows, etc.
	Sikaflex MS Sealant Used as a flexible joint sealant for the joining of materials
	Inseal Single Sided PVC Water Seal Used as a tape sealant for the sealant of materials - Inseal 3259 (50x1.5mm)
	90x3.15mm stainless steel jolt head nail Used to fix weatherboard components to framing
	Flashing Tape 100mm Used as a self-adhered, waterproof flashing membrane designed for sealing around openings and penetrations in exterior walls
	Flashings Used to direct water and protect elements in the Real Resource Weatherboard System - 1mm extruded aluminium parapet capping - 1mm extruded aluminium window sill flashing - 1mm extruded aluminium apron flashing - 1mm extruded aluminium window head flashing - 1mm extruded aluminium corner flashing
	Facings & Moulds Used as a timber finishing around openings - Planted sill - Jamb facing - Head facing - Soffit mould

DWG - 13 PRODUCT AND ACCESSORY LIST FOR CAVITY FIX - PART ONE

NOT TO SCALE


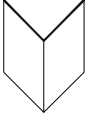

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Accessories/tools not supplied by REAL RESOURCE	
Product	Description
	<p>Scribers Used to scribe alongside box corners, size is cut to suit weatherboard (15mm min.)</p>
	<p>James Hardie® External Corner Soaker Used as a stainless steel cover on mitred corners, size to fit weatherboards</p>
	<p>30mm stainless steel product nail Used to fix corner soaker to weatherboard</p>

DWG - 013A PRODUCT AND ACCESSORY LIST FOR CAVITY FIX - PART TWO

NOT TO SCALE

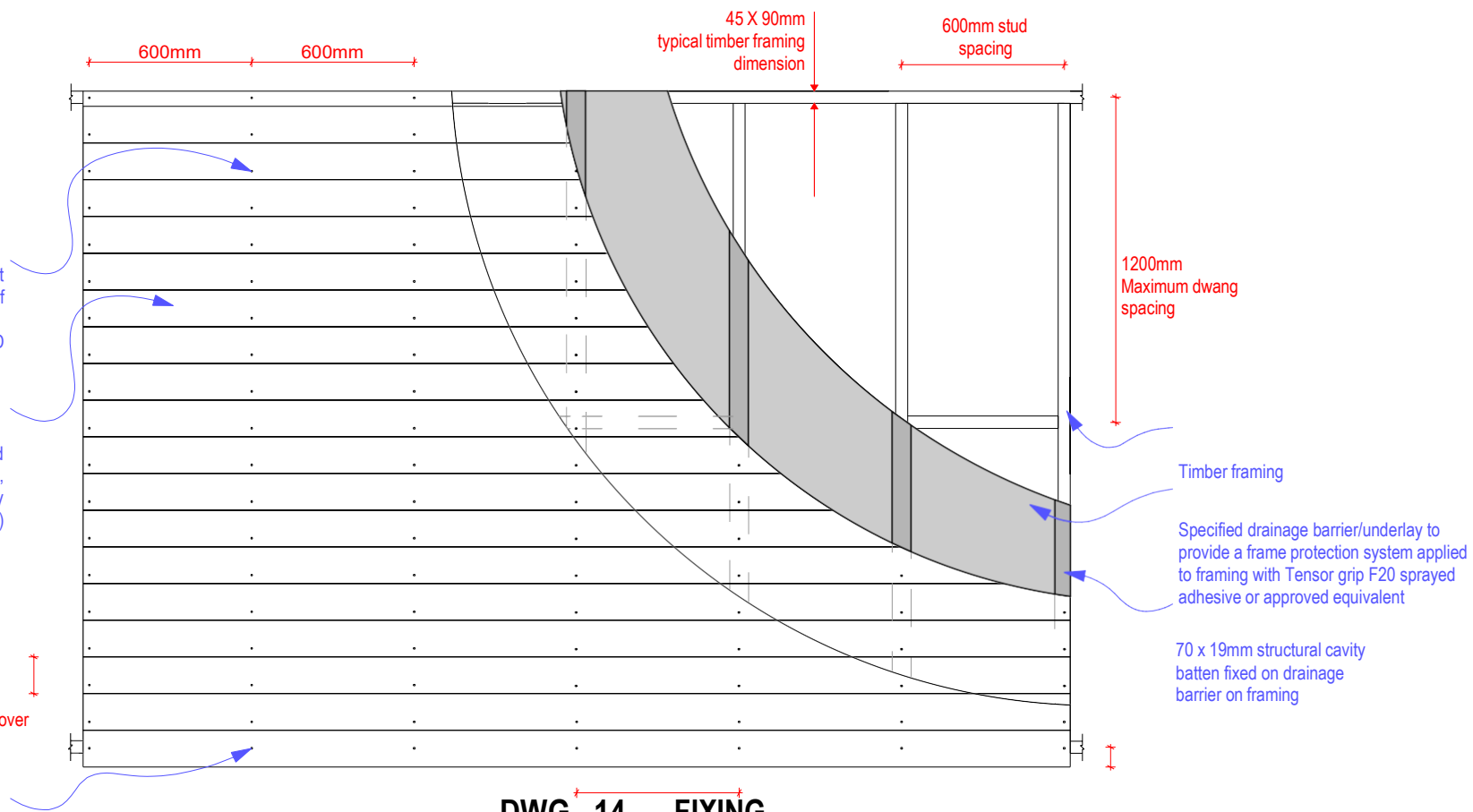
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DWG - 14 FIXING SETOUT DETAIL FOR CAVITY FIX

Weatherboard must be fixed into studs at maximum 600mm centres. Fixing centres to coincide with stud spacing.

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50mm weatherboard overhang for concrete foundation

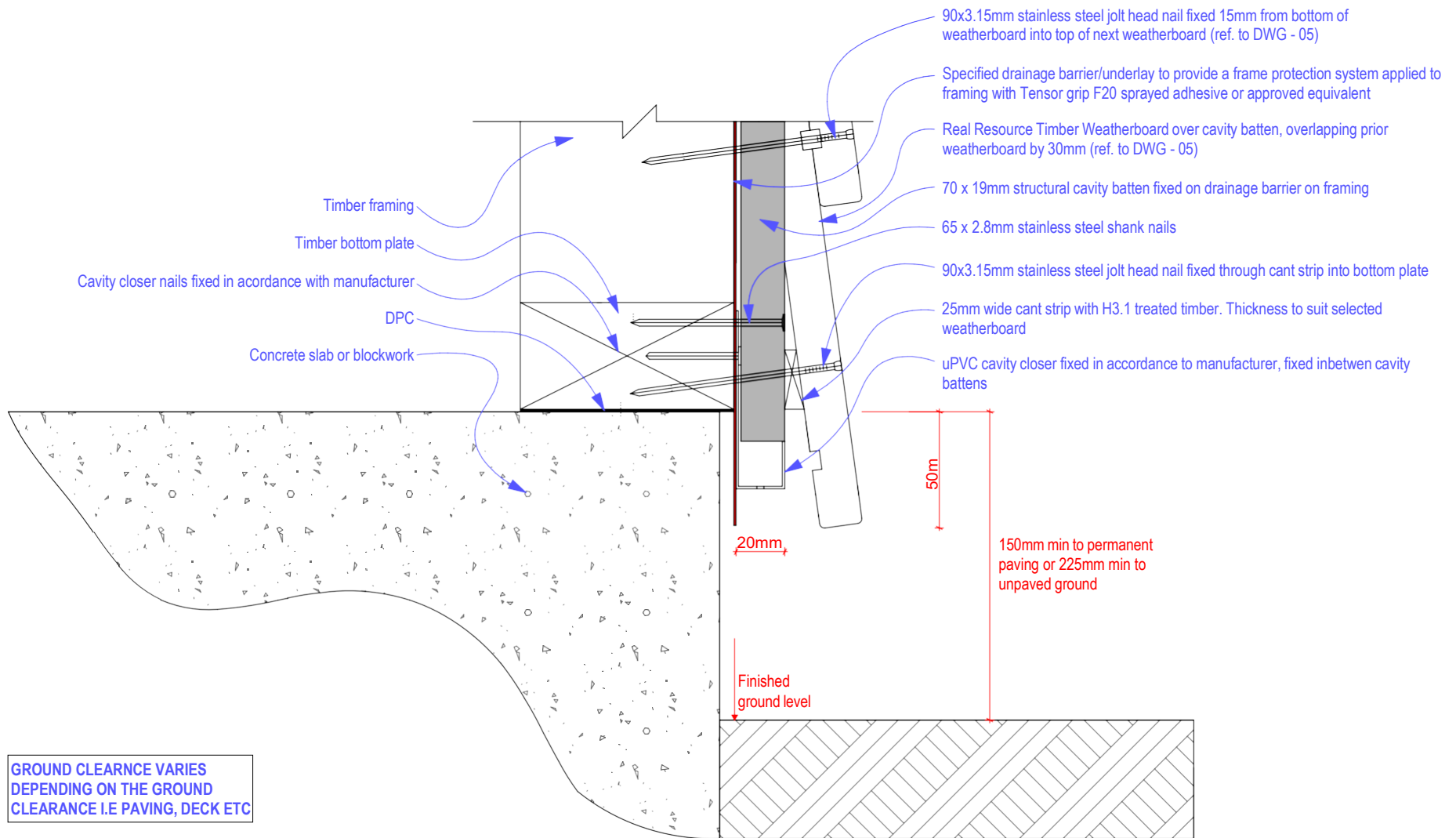
SCALE: 1:10 @ A4

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DWG - 15 SLAB EDGE/FOUNDATION DETAIL FOR CAVITY FIX

SCALE: 1:2 @ A4

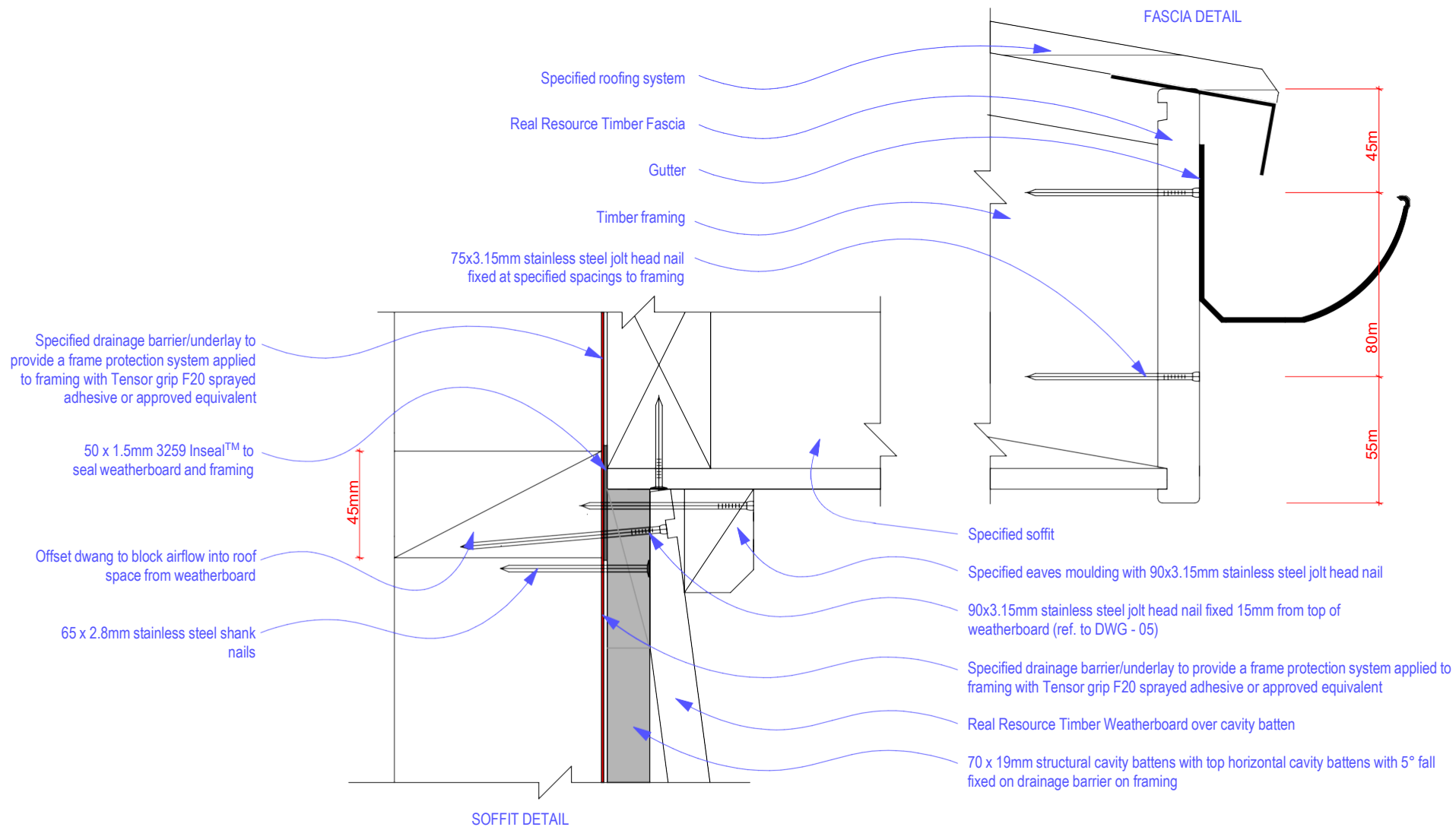
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DWG - 16 SOFFIT DETAIL FOR CAVITY FIX

SCALE: 1:2 @ A4

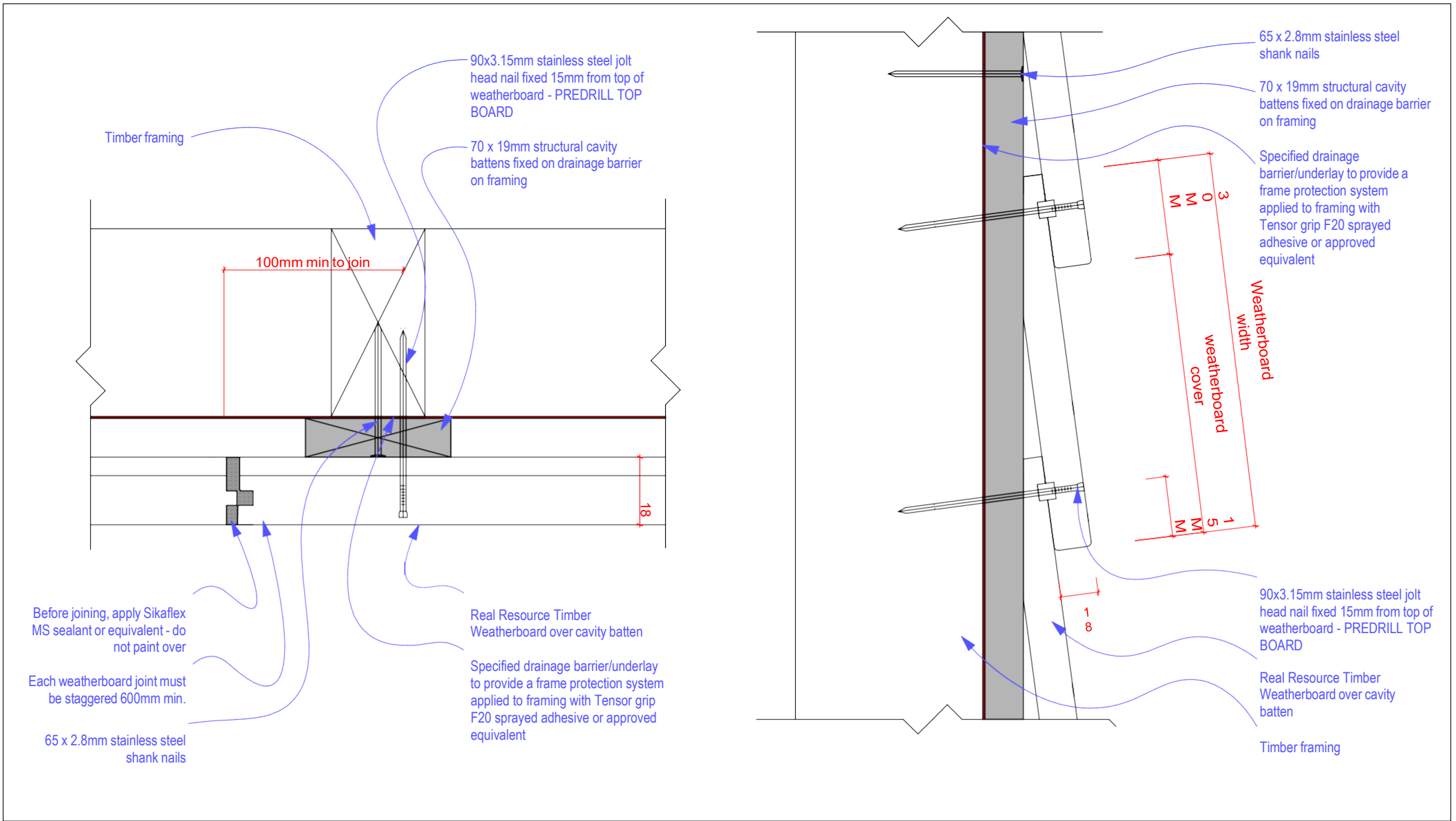
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REAL RESOURCE TIMBER WEATHERBOARD SYSTEM

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- THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE LIST OF SPECIFIED / ACCEPTED PRODUCTS SUPPLIED WITH THE REAL RESOURCE TIMBER WEATHERBOARD SYSTEM TECHNICAL MANUAL.
 - SUBSTRATE TO BE PREPPED READY TO APPLY THE REAL RESOURCE TIMBER WEATHERBOARD SYSTEM TO. THIS MUST COMPLY WITH ALL RELEVANT STANDARDS AND REQUIREMENTS e.g. NZBC, REAL RESOURCE AND OTHER PRODUCTS DETAILS.

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DWG - 17 WEATHERBOARD FIXING DETAIL FOR CAVITY FIX

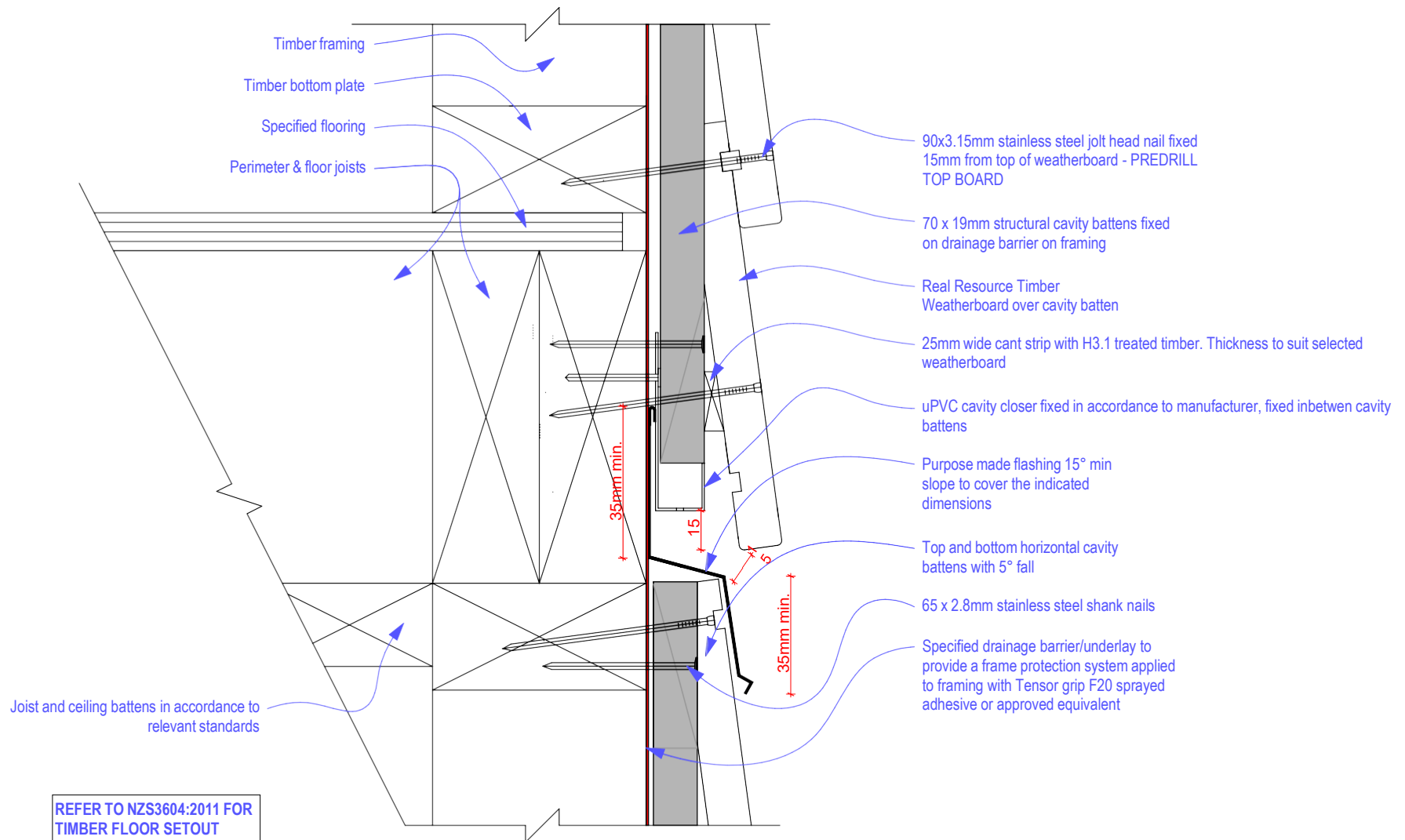
SCALE: 1:2 @ A4

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DWG - 18 HORIZONTAL CONTROL JOINT DETAIL FOR CAVITY FIX

SCALE: 1:2 @ A4

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NOTE: Specified sealant must cover all width of weatherboard, wipe off excess

Before joining, apply Sikaflex MS sealant or equivalent to both sides of Box Corner system

Scriber (15mm wide min) cut to fit weatherboard, fix with sealant to back of scriber and 90x3.15mm stainless steel jolt head nail in 3mm predrilled hole

84mm
50mm min.

65 x 2.8mm stainless steel shank nails

Real Resource Timber Box Corner system, fixed with 90x3.15mm stainless steel jolt head nails @ 300mm staggered centres

BOXED CORNER

10

100m

1mm extruded aluminium corner flashing to seal weatherboard and cavity battens around corner

Timber framing

10
70m

MITERED CORNER

70mm

Real Resource Timber Weatherboard over cavity batten

NOTE: Box Corner system must not be used on underlying floor joints

Specified drainage barrier/underlay to provide a frame protection system applied to framing with Tensor grip F20 sprayed adhesive or approved equivalent

70 x 19mm structural cavity battens fixed on drainage barrier on framing

Compound mitre corners of weatherboards, prime and glue exposed ends with Sikaflex MS sealant, and fix James Hardie® External Corner Soaker with 30mm product nails 15mm from top of weatherboard

Specified drainage barrier/underlay to provide a frame protection system applied to framing with Tensor grip F20 sprayed adhesive or approved equivalent

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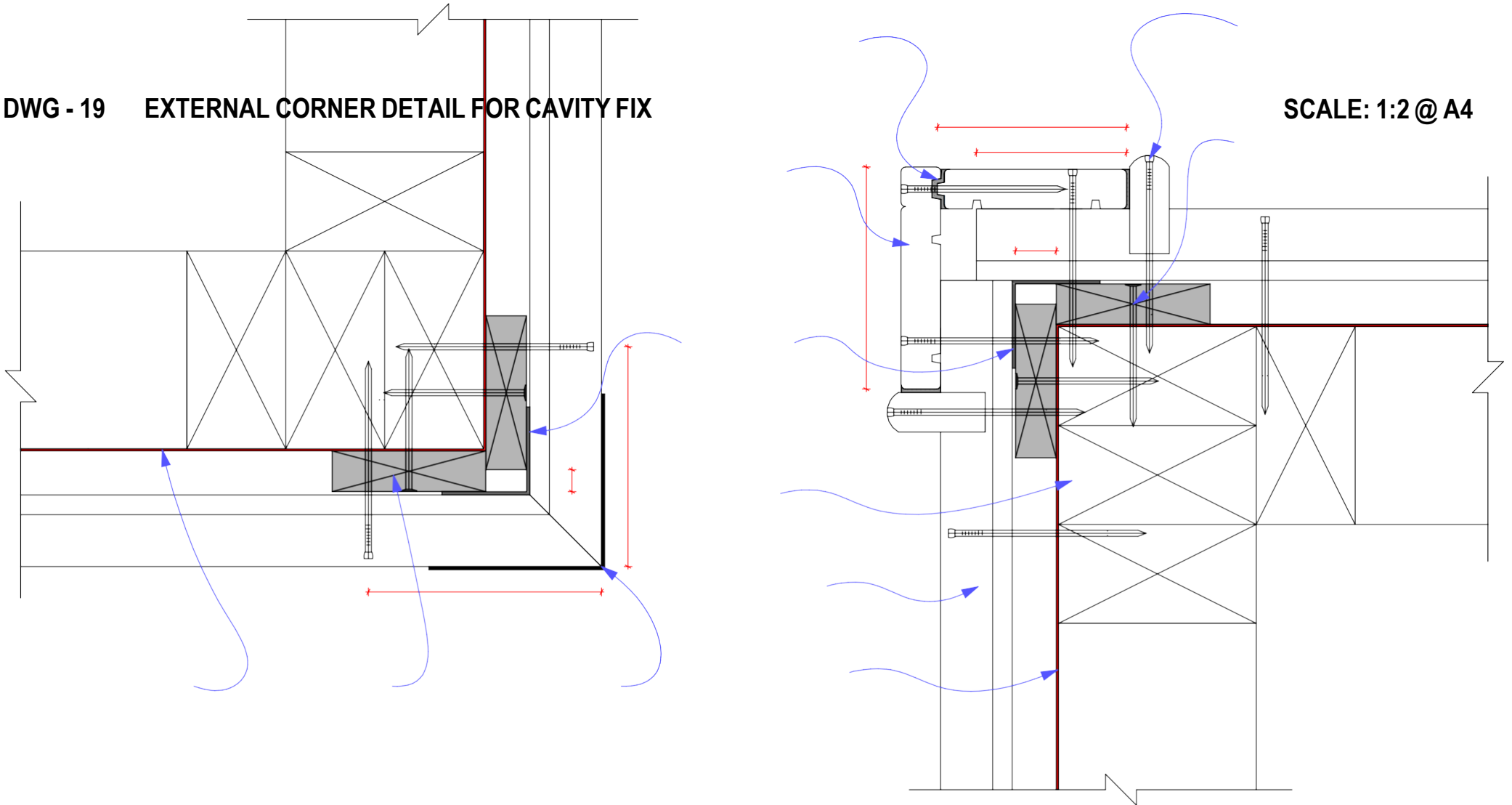
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DWG - 19 EXTERNAL CORNER DETAIL FOR CAVITY FIX

SCALE: 1:2 @ A4



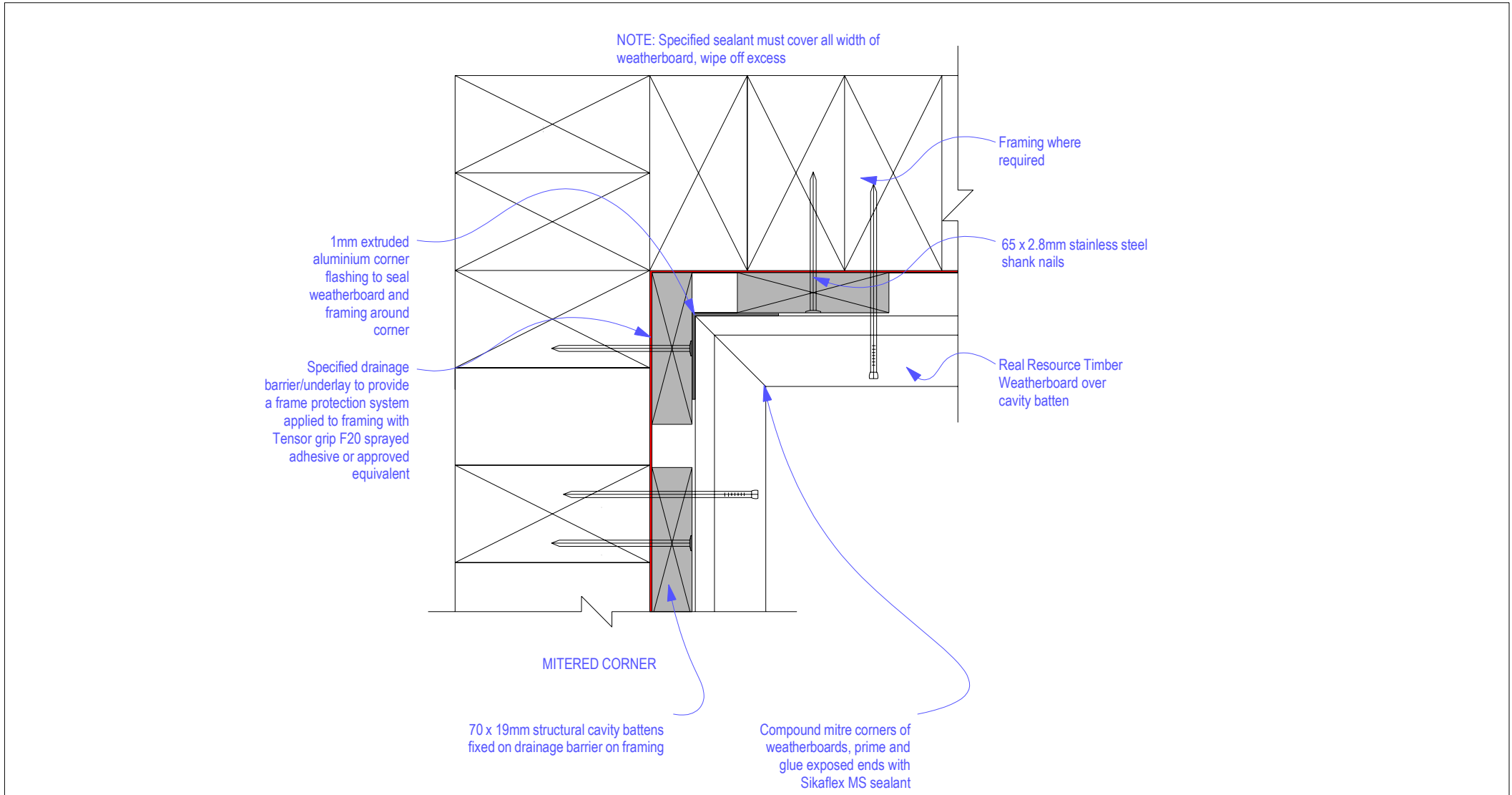
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DWG - 20 INTERNAL CORNER DETAIL FOR CAVITY FIX

SCALE: 1:2 @ A4

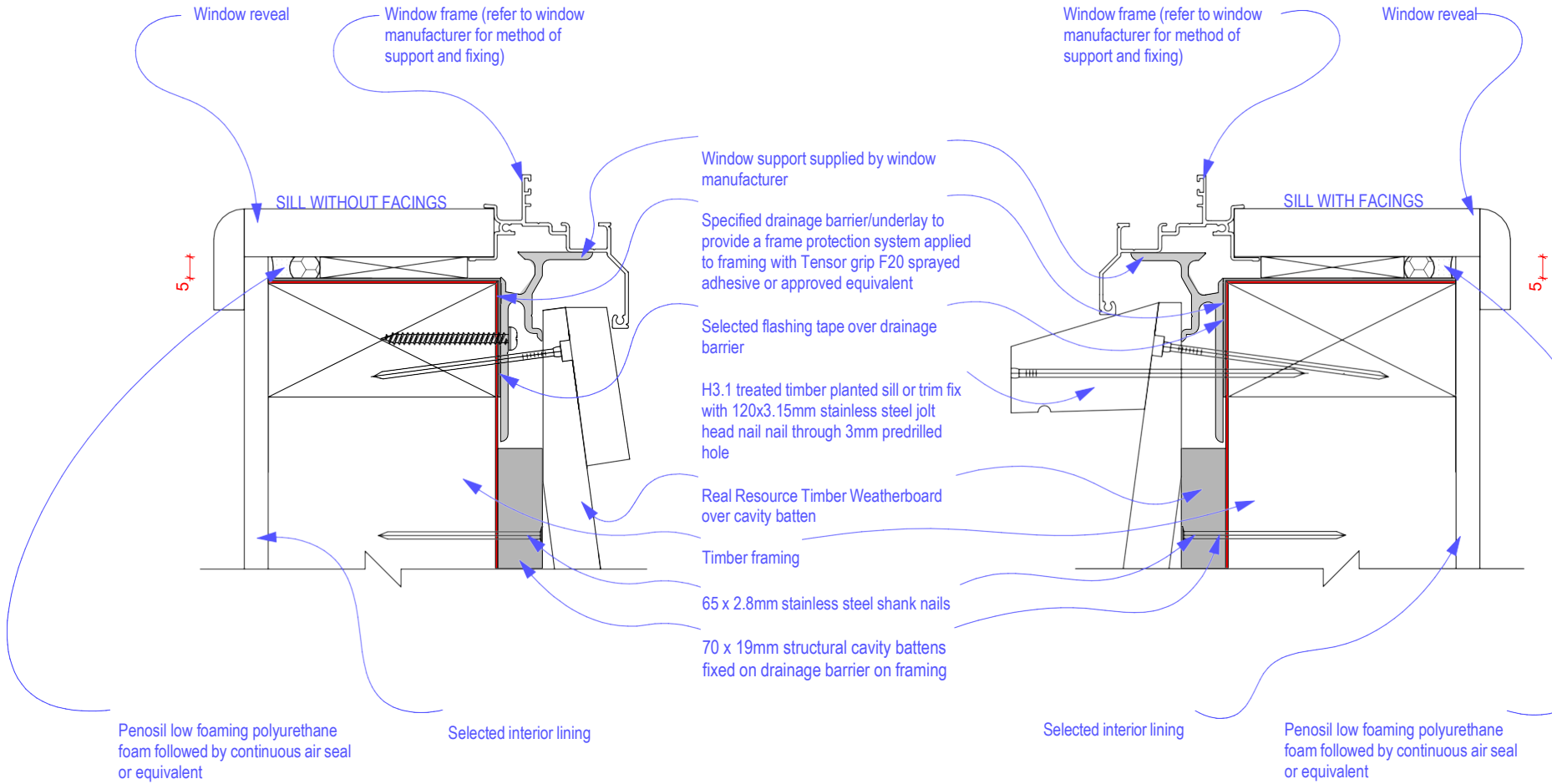
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DWG - 21 WINDOW SILL DETAIL FOR CAVITY FIX

SCALE: 1:2 @ A4

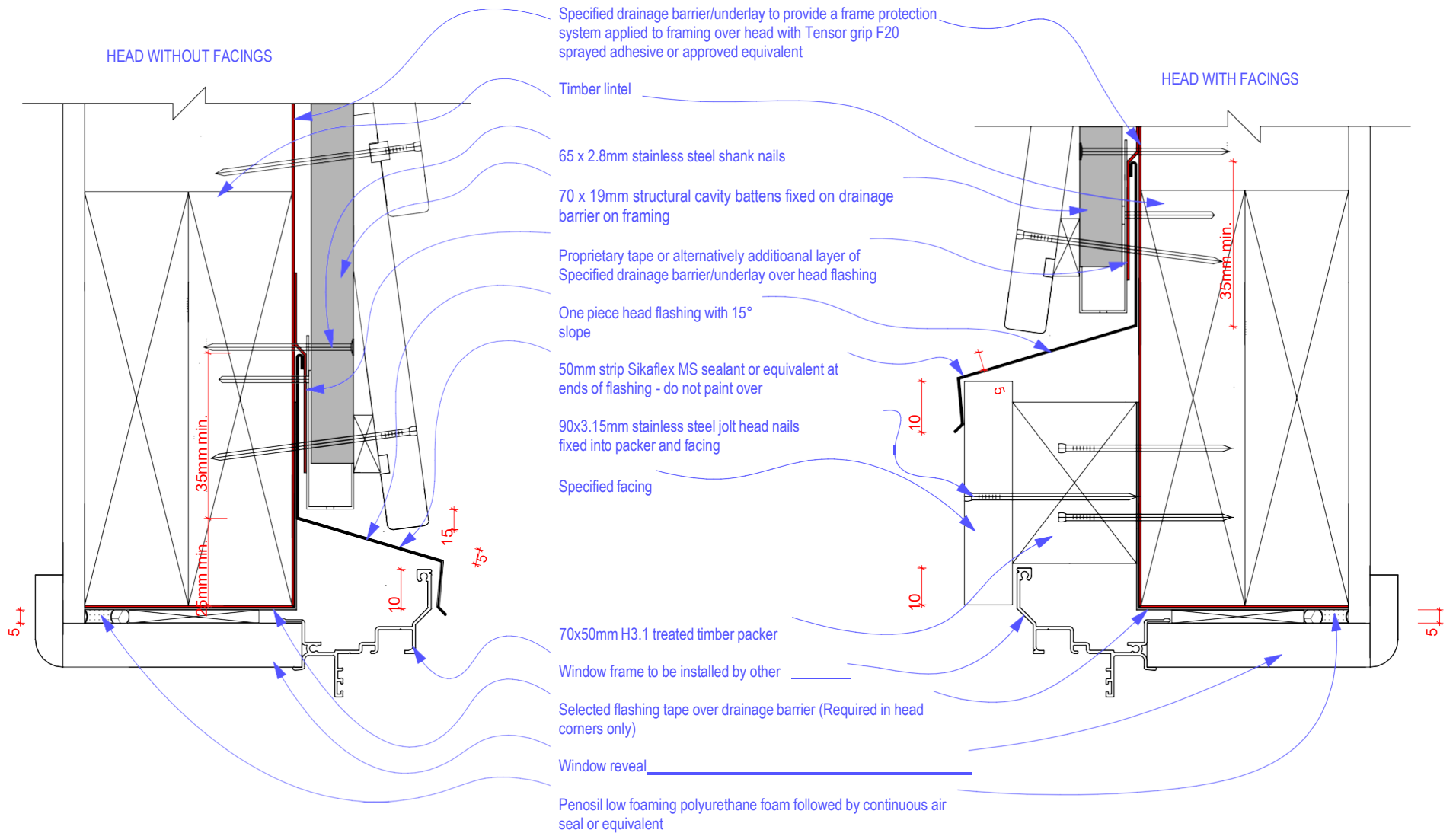
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DWG - 22 WINDOW HEAD DETAIL FOR CAVITY FIX

SCALE: 1:2 @ A4

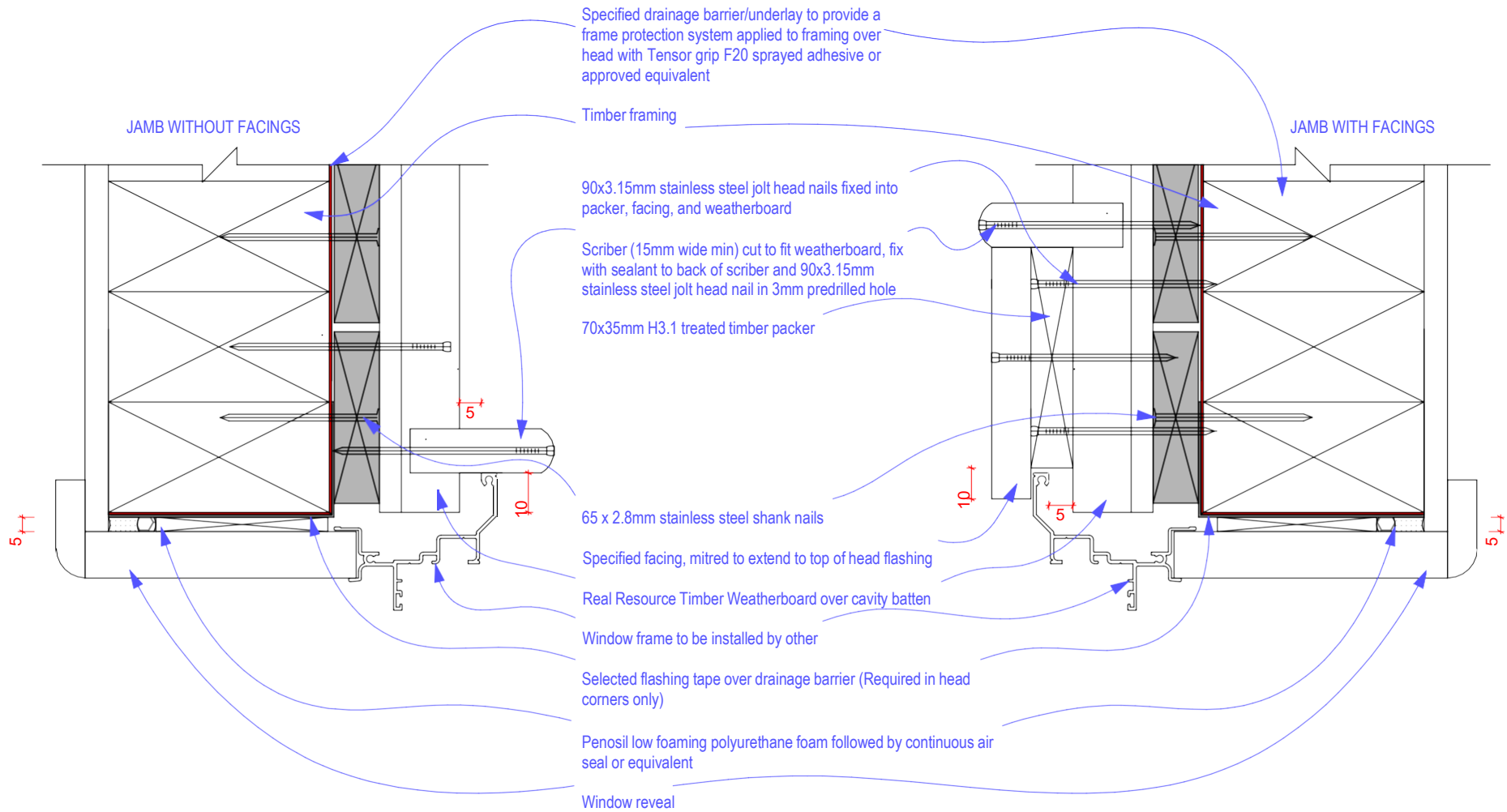
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DWG - 23 WINDOW JAMB DETAIL FOR CAVITY FIX

SCALE: 1:2 @A4

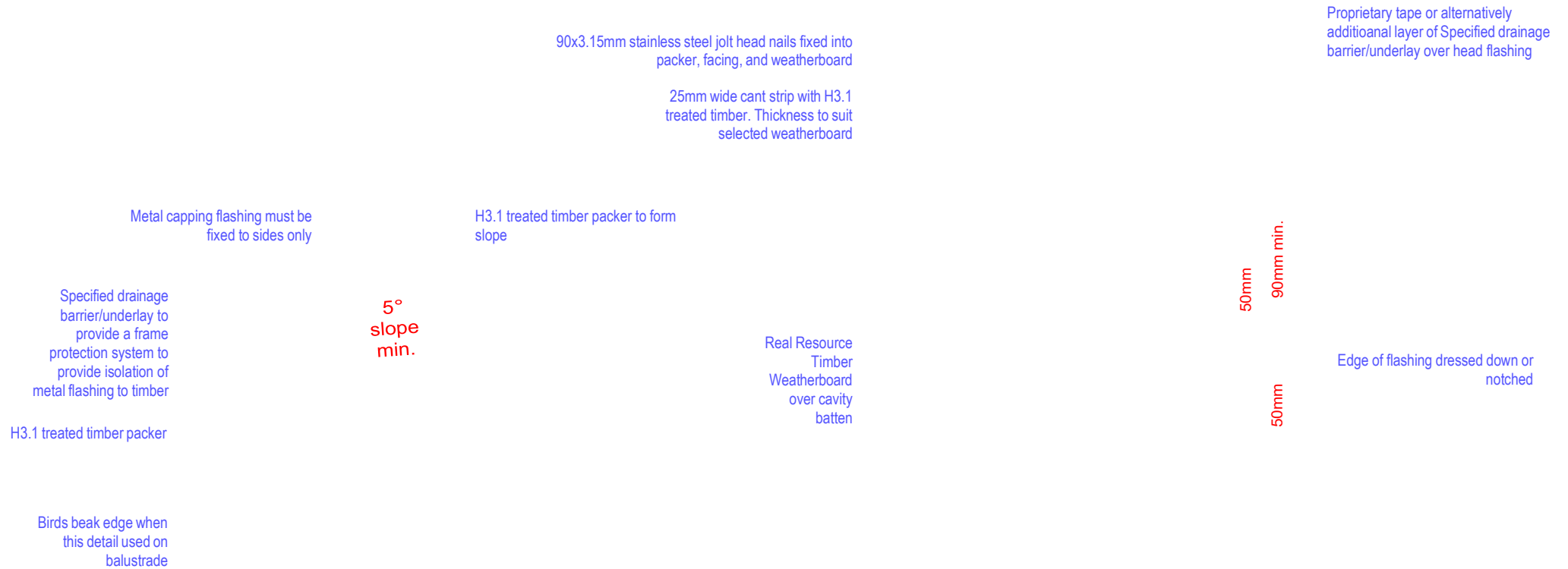
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PARAPHET DETAIL



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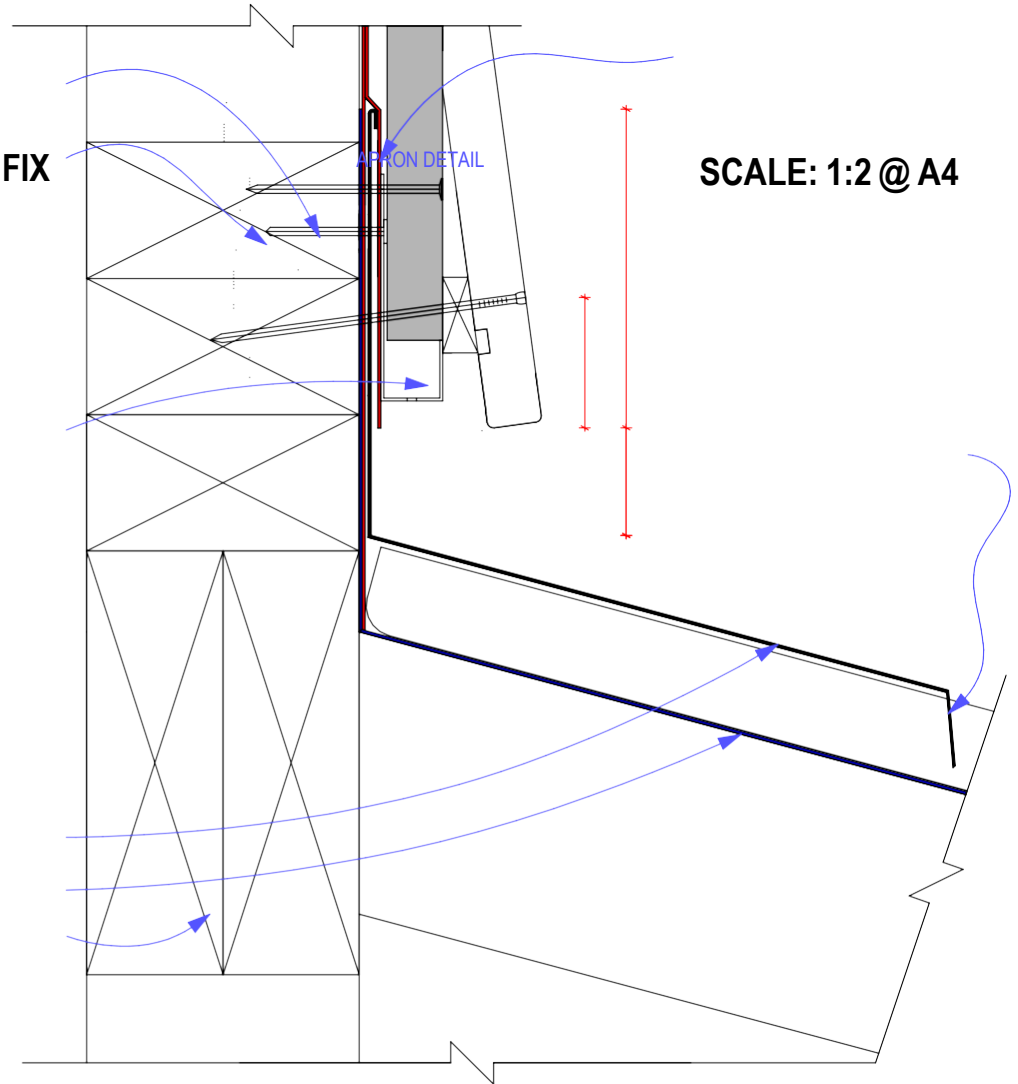
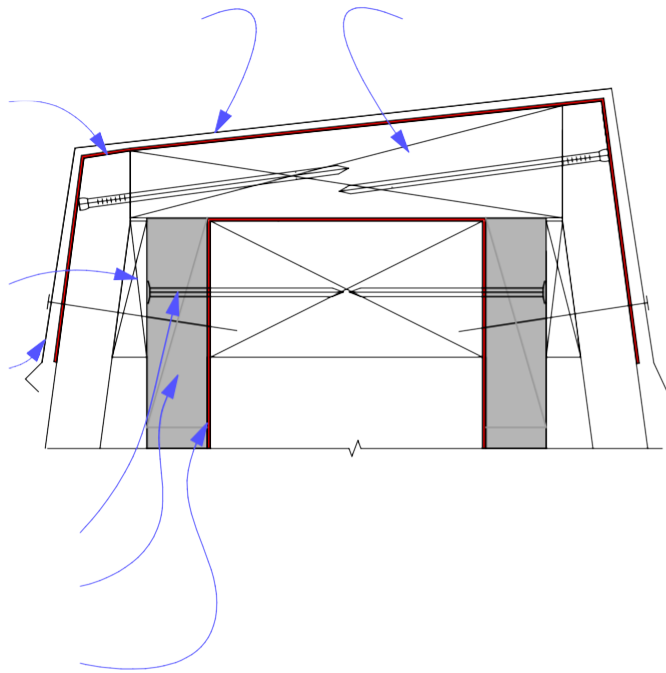
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DWG - 24 PARAPHET AND APRON FLASHING DETAIL FOR CAVITY FIX

SCALE: 1:2 @ A4



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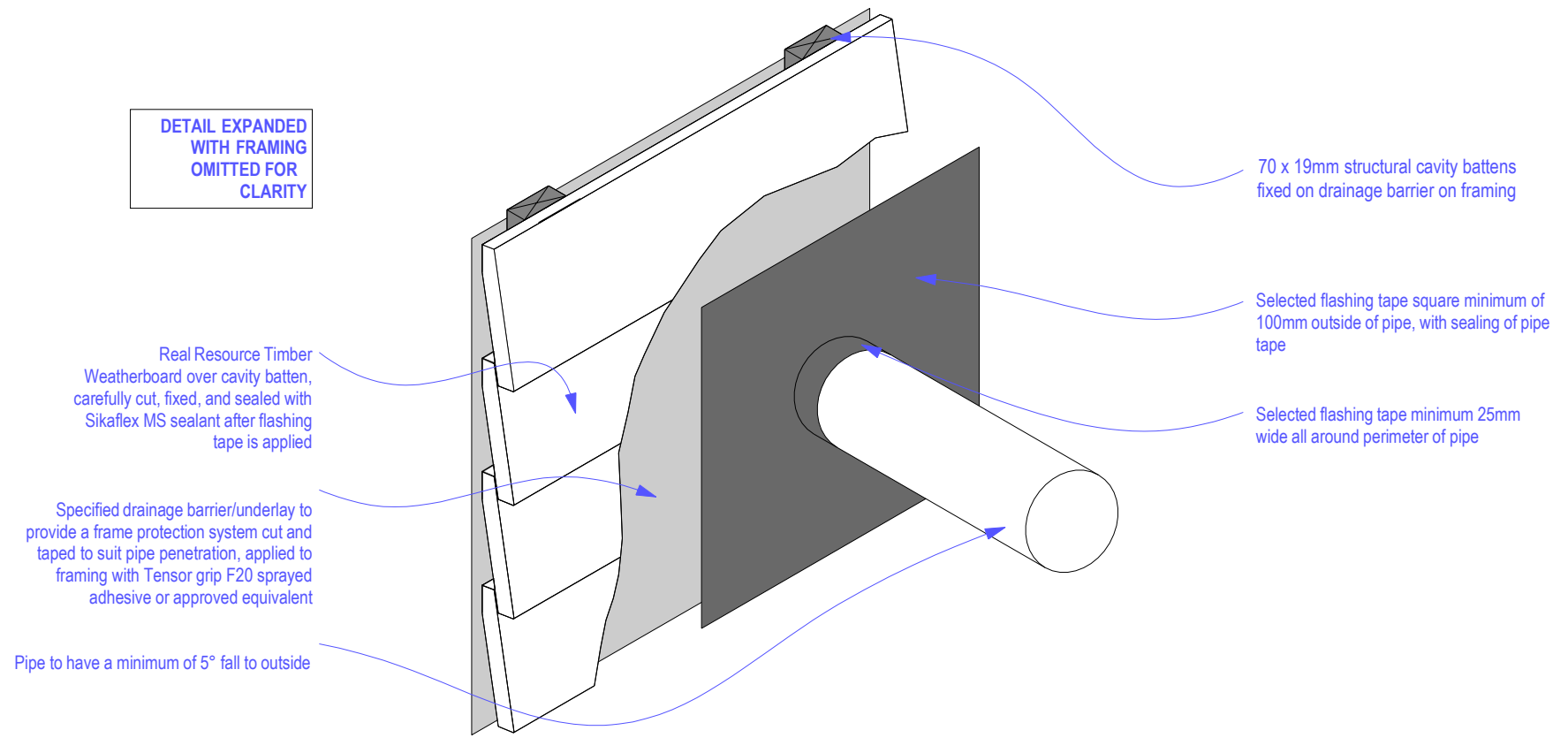
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DETAIL EXPANDED
WITH FRAMING
OMITTED FOR
CLARITY



DWG - 25 PIPE PENETRATION DETAIL FOR CAVITY FIX

SCALE: 1:10 @ A4

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