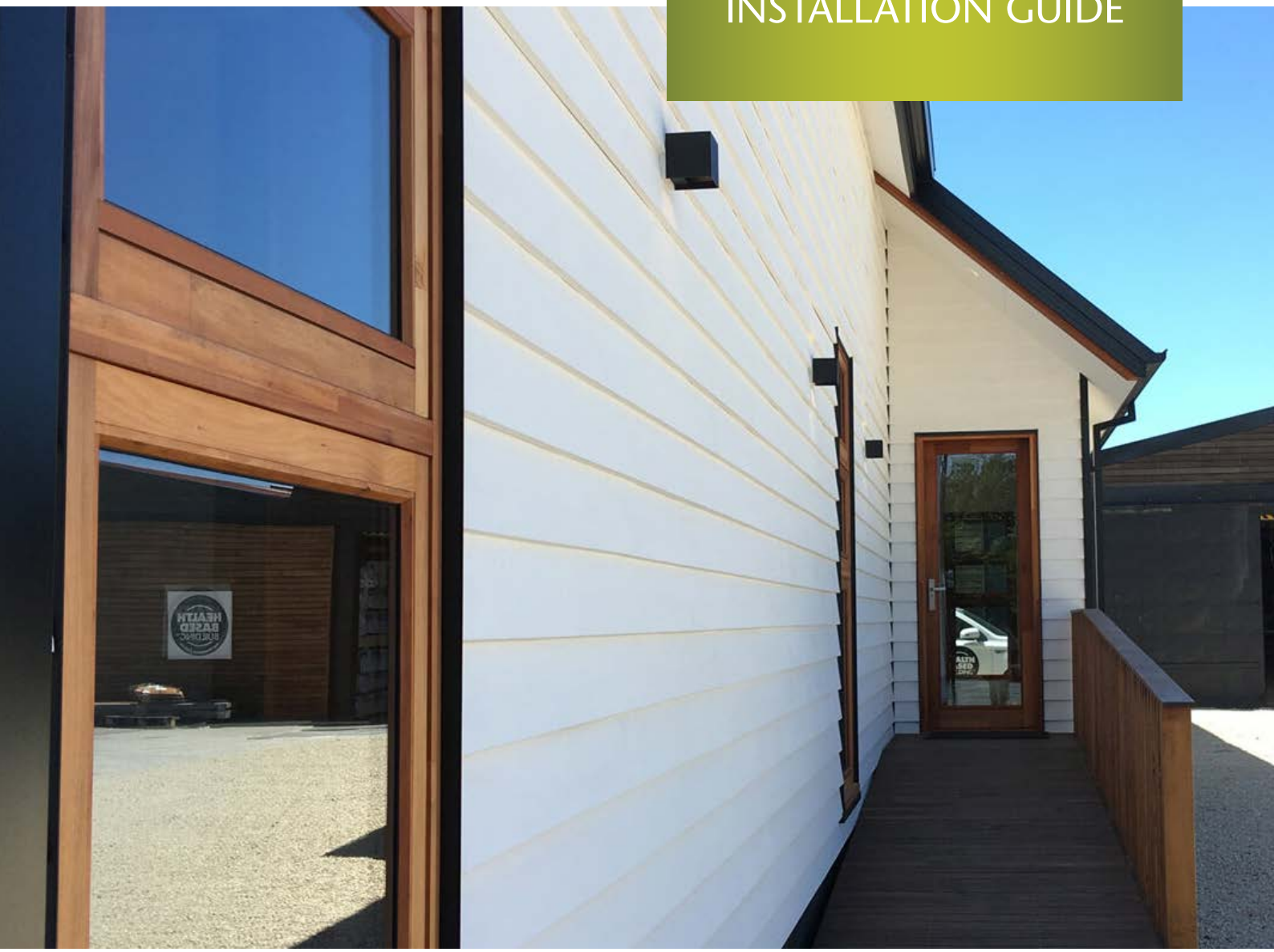
This technical document must be read, considered and used with the relevant Beal Appraisal Certificate. (Product Technical Statement).

MAGNUM® BOARD

INSTALLATION GUIDE



044AU v3.1
Date of Issue: 01/10/2025

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www.mccormacksaustralia.com.au

MAGNUM BOARD™ 16MM BEVEL BACK WEATHERBOARD TECHNICAL INFORMATION

3600MM x 180MM x 16MM

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Products, Tools & Equipment Required

FIGURE 1



Magnum Board - Bevel Back Weatherboard
3000mm x 180mm x 16mm

FIGURE 2



Mapei Mapeflex PU35
Sealant and Adhesive

FIGURE 3



Mapei Mapeflex PU45
Sealant and Adhesive

FIGURE 4



Battery-powered drill gun
with torque control

FIGURE 5 **TIMBER FRAMING**



SIFCO FCN90LB-ST
Nailer Gun
with No Mar Tip

FIGURE 6 **TIMBER FRAMING**



SIFCO FRP50V8SS/8
Coil Collated Nails
50 x 2.8mm Stainless Steel Flat Head
with annular groove shank

FIGURE 7 **TIMBER FRAMING**



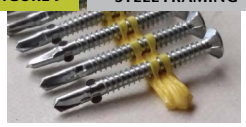
Ecko WB75
Weatherboard Nailer
with No Mar Tip

FIGURE 8 **TIMBER FRAMING**



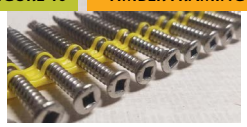
Ecko Round Head Nails
Coil Collated Nails HHSS-50V8R
50 x 2.8 Stainless Steel Flat Head
with annular groove shank

FIGURE 9 **STEEL FRAMING**



Simpson Strong Tie
SSBFHSD2SA Screw for Steel framing, 10-gauge x 50mm
#2 Square Drive Wing Tip
Stainless Steel 316

FIGURE 10 **TIMBER FRAMING**



Simpson Strong Tie
SSDHSD50TSA Screw for Timber Framing, 12-gauge x 50mm
#2 Square Drive Pre-Bore Tip
Stainless Steel 316

NOTE: We recommend the Simpson Strong-Tie Stainless Steel 316 screws as they meet all application requirements, including high-corrosion environments such as:

- **In areas within 1km of a coastal area.**
- **All external fixings**
- **Wet areas.**
- **Industrial or chemically aggressive environments.**

NOTE: Please avoid C3 screws in these environments. (Use Class 4 or 316 stainless instead) Outside of these environments quality C3 galvanised screws with multi-layer protective finish can be used.

FIGURE 11



Diamond Pro PCD Fibre Cement
Circular Saw Blade

FIGURE 12



Multi-Material Diamond Blade
for Cut Off Saw

FIGURE 13



Diamond Pro
Diamond Hole Saw

FIGURE 14



Battery Operated Sausage
Applicator

FIGURE 15



Festool cutting equipment
or similar

FIGURE 16



HEPA extraction system

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Before You Start



IMPORTANT INFORMATION

FIXING NOTE: We recommend the Simpson Strong-Tie Stainless Steel 316 or class 4 fixings as they meet all application requirements, including high-corrosion environments such as: In areas within 1km of a coastal area, All external fixings, Wet areas, Industrial or chemically aggressive environments. Please avoid C3 screws in the these environments. (Use Class 4 or 316 stainless instead) Outside of these environments quality C3 galvanised screws with multi-layer protective finish can be used.

Magnum Board® Bevel Back Weatherboard can be installed to timber, LVL and steel framing in compliance with NZS 3604, AS 1684.2, AS 1684.3, NASH Standard (Parts 1 & 2), and AS/NZS 4600.

Weather Board Clearance - Minimum distance from earth / ground to Magnum Board must be no less than 150mm. Minimum distance above formed paths and driveways is 50mm. The adjacent finished ground must also slope away from the building to prevent water accumulation, typically a minimum slope of 50mm over the first meter.

Note: Magnum Board must not be installed in design solutions that place Magnum Board in direct contact with soil or within designs that place Magnum Board below ground.

All wall openings, penetrations, intersections, connections, window sills, heads and jambs must be flashed prior to installation.

Where nails are used within 20mm from end of boards the nail positions must be pre-bored with a 5mm Ø drill and countersink prior to nail-fixing, in order to prevent cracking. Care must be taken to ensure that the hole does not continue into the framing beneath.

TIMBER FRAMING CONSIDERATIONS

A 45mm minimum stud width is required for timber framing. Stud spacing's not to exceed 600mm centres. Stud spacing's will reduce for use in specific wind classifications.

Timber framing must be kiln dried with a moisture content **18% or Less**. Framing quality must be straight and level to a standard that supports Magnum Board® to all surfaces in contact with framing. Installation to buckled or bent framing will result in tension within Magnum Board® that may lead to movement and establish surface cracking.

STEEL FRAMING CONSIDERATIONS

A 35mm minimum stud width is required for steel framing. Stud spacing's not to exceed 600mm centres. Stud spacing's will reduce for use in specific wind classifications.

Steel framing gauge is to be 0.55 - 1.6 based metal thickness. Use GAL 90 light gauge steel for enhanced corrosion resistance and durability.

Steel framing quality must be straight and level to a standard that supports Magnum Board® to all surfaces in contact with framing. Installation to buckled or bent framing will result in tension within Magnum Board® that may lead to movement and establish surface cracking.

To ensure long-term durability and compliance with energy efficiency standards, light gauge steel framing must be protected in all environments, including areas with high humidity, salt air, and other corrosive conditions. This recommendation aligns with the NASH Technical Note NTN 006 and NCC 2022 Elemental Energy Efficiency provisions, which outline specific requirements for thermal performance and condensation control in steel-framed buildings.

To prevent thermal bridging between Magnum Board and steel framing in buildings, steel framing **must** have the required thermal breaks, especially on the exterior face of framing as required per the National Association of Steel-Framed Housing standard (NASH std). This helps mitigate conductive thermal bridging and condensation risks.

Before You Start

WARRANTY

MagnumBoardWarranty.pdf

While every effort has been made to ensure a satisfactory outcome with respect to the use of Magnum Board® BEVEL BACK WEATHERBOARD - along with all Magnum Board® products - no dialogue or negotiation will be considered if any method or third-part component has been used apart from those described in this technical manual. Any warranty - written or implied - will be subject to examination, and will apply solely to the quality of the Magnum Board® product being deficient at the point of purchase only, or the subsequent deficient performance of the product once the correct method of installation has been determined. Any deficient performance resulting from the application of a third party product, will become the responsibility of that products manufacturer and / or agents. Magnum Board® and its associated agents will not be held responsible for any such incident or outcome. **See link**

SURFACE FINISHES

WattylExteriorPaintGuide.pdf

The surface of the Magnum Board® must be clean, dust and contaminant free prior to the commencement of any successive treatment or process. Coating must commence within 30 days of installation. Wattyl Exterior Paints have been approved for use with Magnum Board. **See Link**
NOTE: Prior to installation, ensure paint is applied to all cut ends and edges of Magnum Board.



Before You Start - Continued

MATERIAL SAFETY, HANDLING, MAINTENANCE AND STORAGE REQUIREMENTS

- Even though Magnum Board® is a non-toxic building material, always wear a dusk mask, safety glasses and follow MSDS Guidelines :
- Never dry sweep - use wet suppression methods or HEPA vacuum.
- It is good construction practice to marshal or stage the materials to be installed as close to the point of installation as possible.
- When cutting Magnum Board® ensure the supporting structure is level and preventing distortion. Distortion in Magnum Board® will establish inaccuracy in the edge being cut regardless of correct cutting equipment being involved.
- Always protect all edges of Magnum Board® prior to and during installation.
- Do not stack other materials on top of Magnum Board®.
- During construction, ensure Magnum Board's® surface is kept clean and flat.
- Magnum Board® must be stored inside, in a well ventilated area, up off concrete floors, kept dry, out of direct sunlight and away from freezing conditions.

PERIOD OF EXPOSURE

Protection from direct exposure to weather must be in place within 30 days of installation.

USING MAGNUM BOARD® IN RELATION TO OTHER MANUFACTURERS PRODUCTS

In case of an apparent conflict between the Magnum Board® instructions and those of a third party, contact www.healthbasedbuilding.com for clarification.

INSTALLER RESPONSIBILITY

It is the responsibility of the installer to inspect their workplace prior to beginning the installation of Magnum Board® to ensure installed work will meet the owner / contractor's requirements. Refer to Bevel Back Weatherboard Site Pre-Installation & Post-Installation Checklist on p20.

NOTE: Warranty is valid by completion of the Pre-Installation & Post-Installation inspection checklist. Checklist on p20.

DESIGN CONSIDERATIONS

All design and construction must comply with appropriate requirements of the current National Construction Code (NCC) an other applicable regulations and standards.

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Installation Procedure - Cutting Magnum Board



CUTTING MAGNUM BOARD GUIDELINES

NOTE: We recommend use of qualified installers and use of FESTOOL cutting and extraction systems.

- Magnum Board can be cut with a diamond tipped keyhole saw, saber saw, or power saw equipped with a diamond blade and HEPA vacuum extraction.
- Measure accurately and mark your cutting locations before cutting
- Make circular cuts and irregular angle cuts using a cement board bit, diamond tipped bit keyhole saw or a saber saw.
- To perform cut outs for pipe work penetrations, carefully measure and mark the location of the opening on the face of Magnum Board. Outline the opening in pencil and cut it using a diamond hole saw.
- Position cutting station so that wind will blow dust away from the user or others in the working area and allow for ample dust dissipation.
- Even though Magnum Board® is a non-toxic building material, always wear a dusk mask, safety glasses and follow MSDS Guidelines.
- Never dry sweep. Use wet suppression methods or HEPA vacuum extraction.

For more information go to: www.mccormacksaustralia.com.au

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Installation Procedure

MGO Installation Guide.pdf



GUIDELINES FOR INSTALLING MAGNUM BOARD® 16MM BEVEL BACK WEATHERBOARD

- Magnum Board® Bevel Back Weatherboard is to be installed using a staggered layout (Refer to page 11).
- Ensure Magnum Board® Bevel Back Weatherboard is installed with the shiny side facing out. The rough side with a bevelled angle is the back of the weatherboard. .
- Where waterproofing or expansion allowance is required, ensure a 2mm gap between butt ends. Gap can be filled with Mapei PU35 or PU45.
- If surface imperfections or visible fixings require filling use MGO54 Primer, then MGO56 Plaster as per the MGO Installation Guide. Please see link for more info.
- Ensure a continuous bead of Mapei PU35 or PU45 adhesive is applied to the back edge of the male T&G portion before male and female ends are connected. NOTE: Do not apply excessive volumes as any adhesive that spreads to the face of the weatherboard will negatively effect the paint finish.
- Always use minimum 316 stainless steel fixings as per page 3 of this document.
- Framing quality must be to a standard that fully supports Magnum Board® to all edges to be installed in contact with the framing.
- Nail and screw heads are to finish flush or slightly below flush to surface of Bevel Back Weatherboard when installed to timber or steel framing. Embedding the nail or screw head below the recommended level will result in edge cracking. We recommend the use of torque or impact controlled, air or electric screw and nail guns as per page 3.
- Lap to be 30mm with fixing positions to be 20mm down from top edge of board under lap. Fixing position in from ends of boards to be no less than 20mm
- Minimum distance for T&G connection past framing is 100mm (refer page 11).
- NOTE: All exposed faces, including the top edges under the sills and bottom edges of MagnumBoard® Weatherboard and accessories must be finished with an exterior paint system.
- NOTE: During the installation process ensure paint is applied to all cut ends and edges of Magnum Board Bevel Back Weather Board.

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Installation Details

PREPARATION : 1

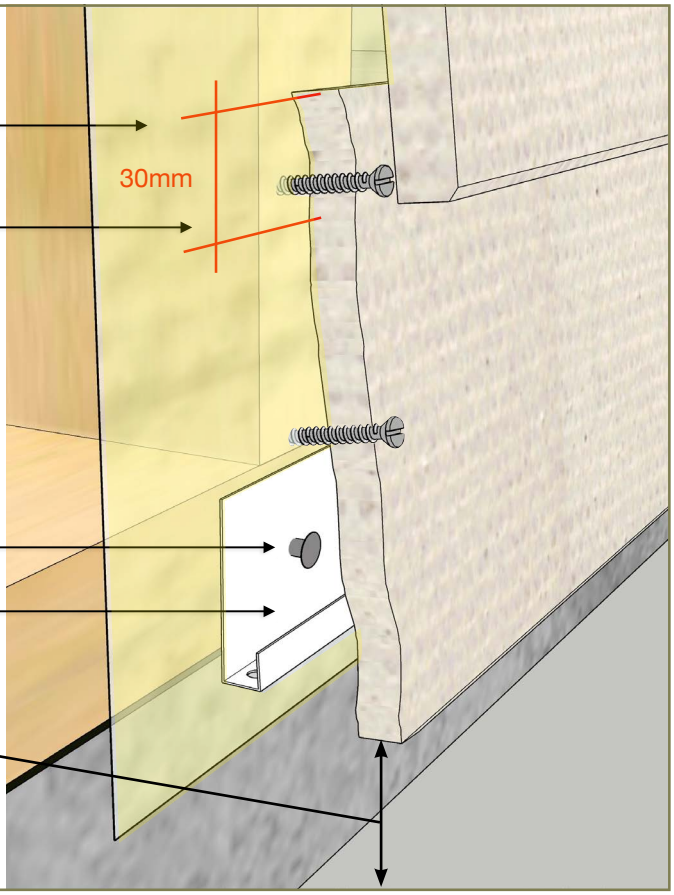
Vapour barrier installed in strict accordance with code compliance and manufacturers instructions. Care and attention to detail with penetrations, joins, laps and fixings is paramount.

Magnum Board Bevel Back Weather Board allow for 30mm lap as indicated.

Fixings - see page 3.

PVC starter strip located to allow maximum weather board overhang of 20mm.

Weather Board Clearance - Minimum distance from earth/ ground to Magnum Board must be no less than 150mm. Minimum distance above formed paths and driveways is 50mm.The adjacent finished ground must also slope away from the building to prevent water accumulation, typically a minimum slope of 50mm over the first meter.



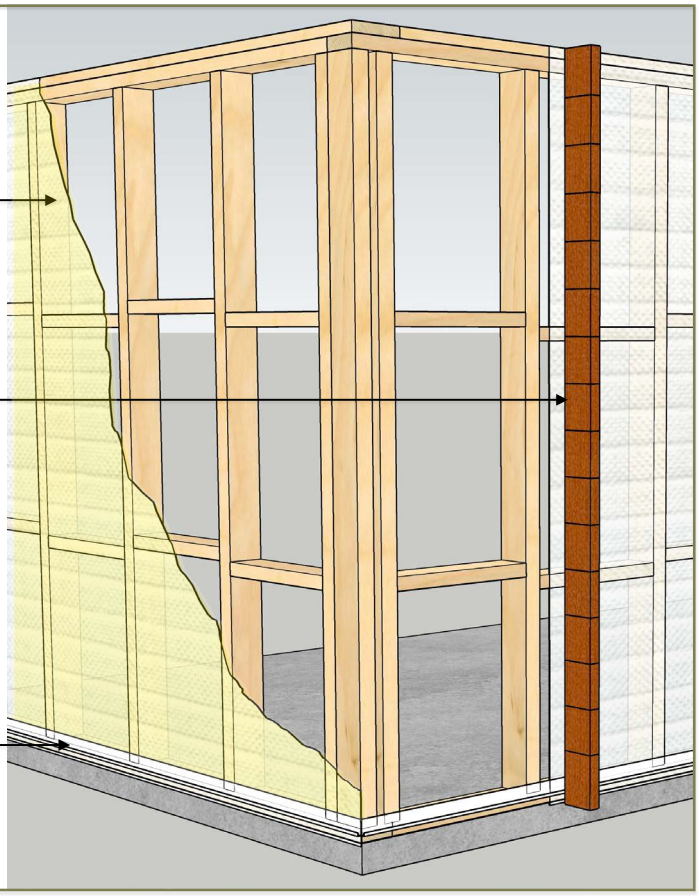
For More Information: https://www.mccormacksaustralia.com.au/magnumboard-products/p/magnum-board-weatherboards

PREPARATION : 2

Vapour barrier.

Storey rod - pre-mark at 150mm laps.

PVC starter strip.

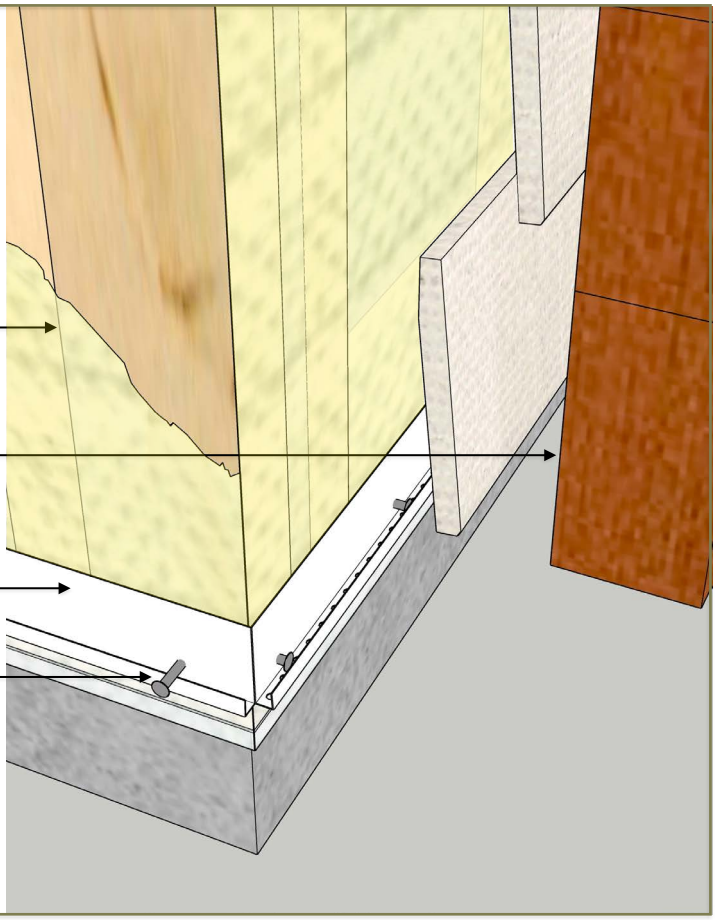


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Installation Details

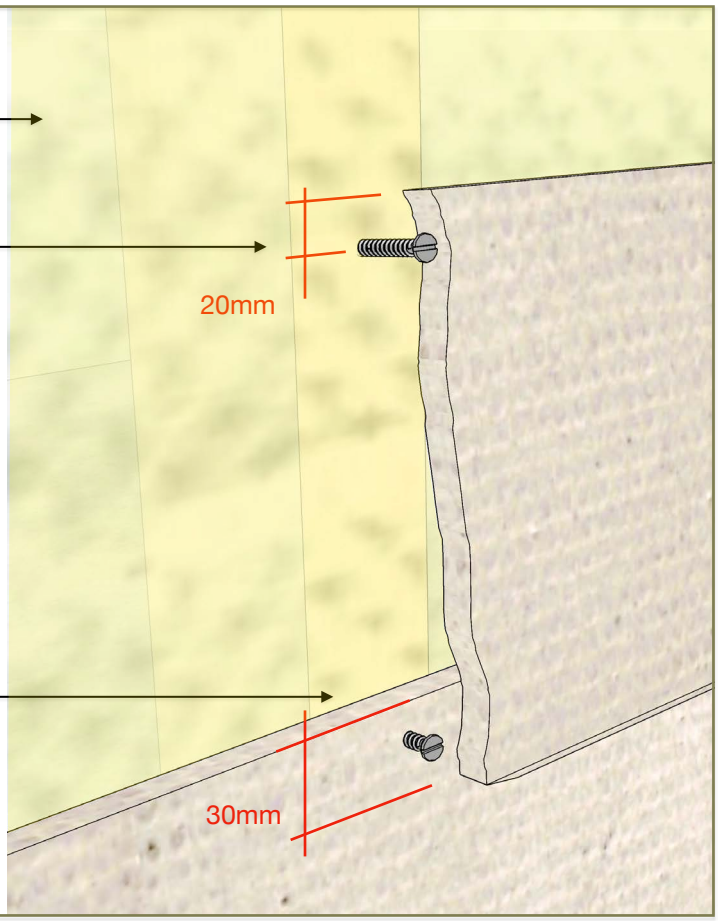
INSTALLATION

NOTE: During the installation process ensure paint is applied to all cut ends and edges of Magnum Board Bevel Back Weather Board.



For More Information: https://www.mccormacksaustralia.com.au/magnumboard-products/p/magnum-board-weatherboards

FIXING



NOTE: Where nails are used within 20mm from end of boards the nail positions must be pre-bored with a 5mm Ø drill and countersink prior to nail-fixing, in order to prevent cracking. Care must be taken to ensure that the hole does not continue into the framing beneath.

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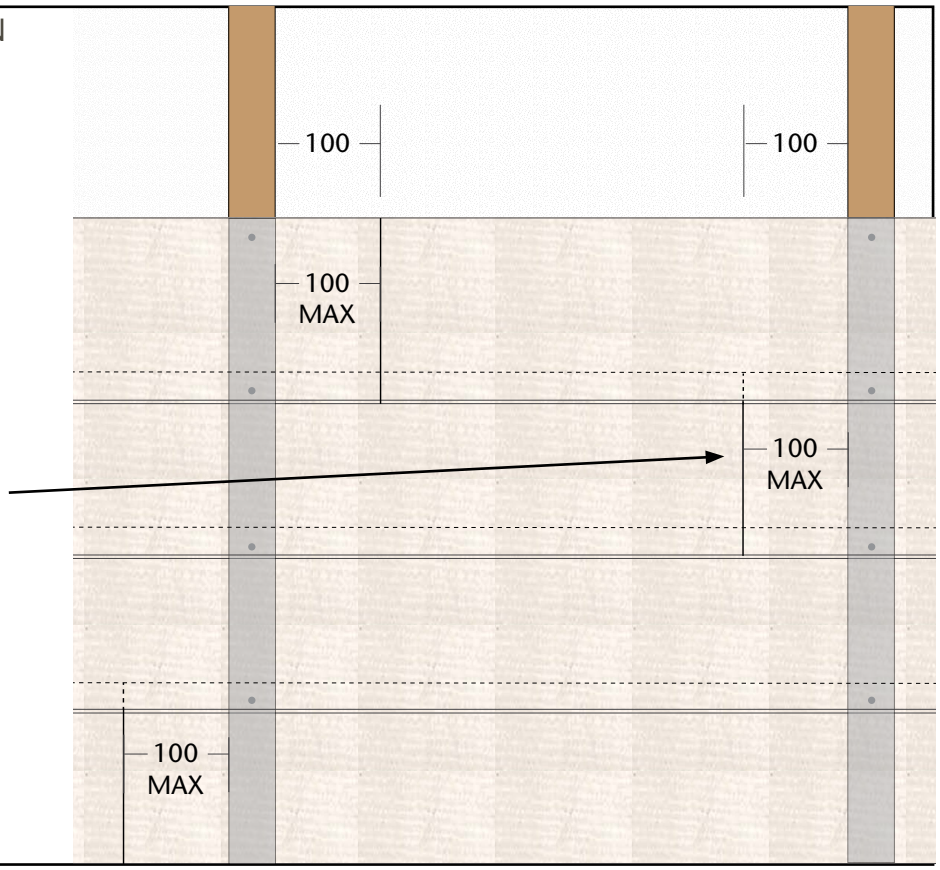
Installation Details

LAYOUT AND FIXING PATTERN

Magnum Board® Bevel Back Weatherboard is to be installed using a staggered layout.

Weatherboard joins need to be within 100mm of a stud fixing to ensure the Weatherboard join is fully supported by framing.

NOTE: Where nails are used within 20mm from end of boards the nail positions must be pre-bored with a 5mm Ø drill and countersink prior to nail-fixing, in order to prevent cracking. Care must be taken to ensure that the hole does not continue into the framing beneath.



For More Information: https://www.mccormacksaustralia.com.au/magnumboard-products/p/magnum-board-weatherboards

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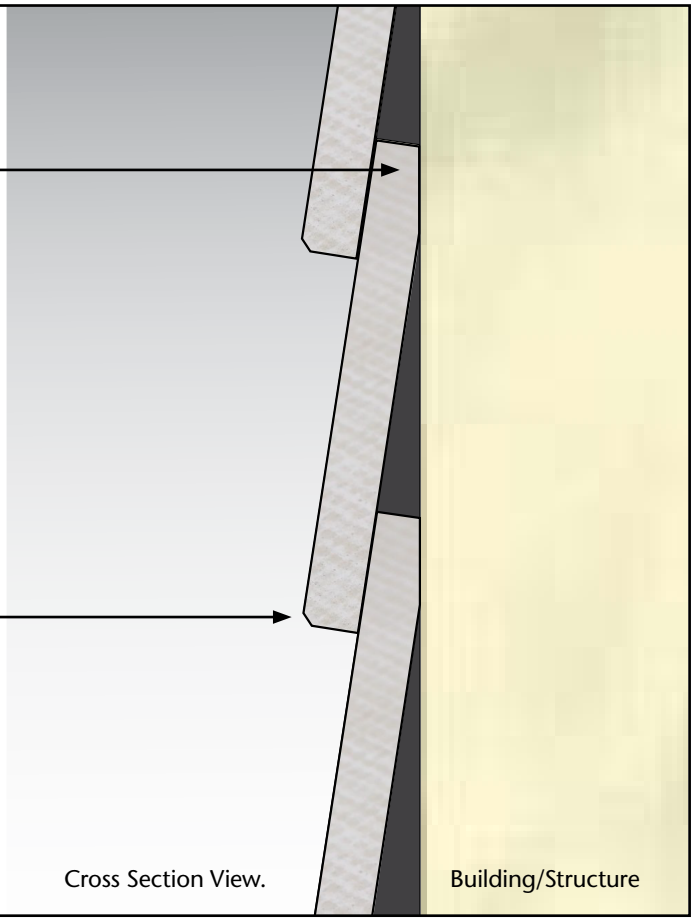
Installation Details

BEVEL BACK WEATHERBOARD ORIENTATION

Bevel back fixed against the building

Magnum Board® Bevel Back
Weatherboard to be fixed shiny face out.
Large Bevel against the building as shown.

Small Aris to the front



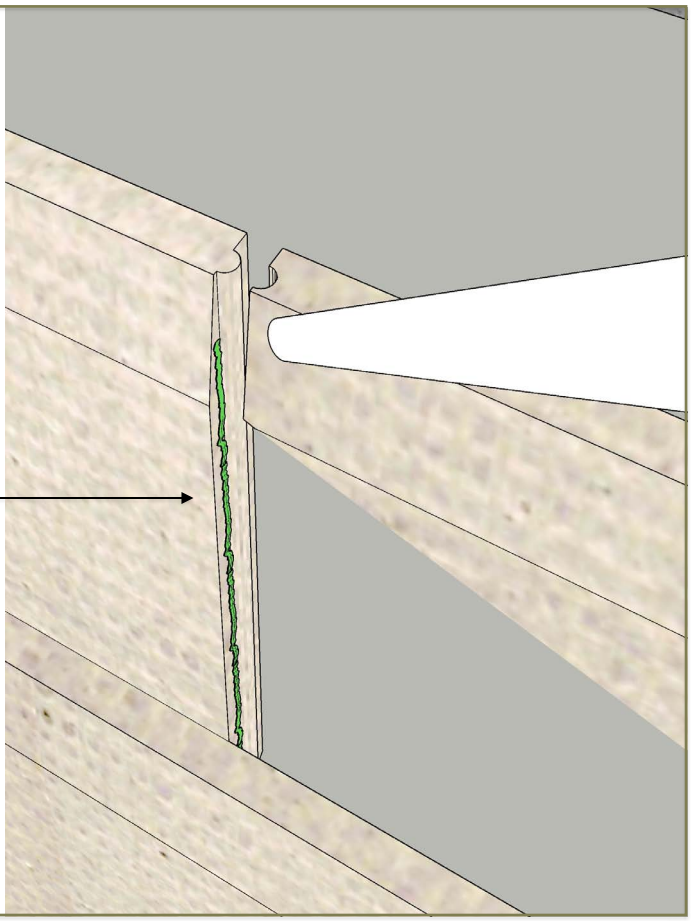
© Health Based Building™ 2025

Installation Details

JOINTING

NOTE: View from behind the Weatherboard. Vapour barrier not shown for clarity.

Ensure a continuous bead of Mapei PU35 or Mapei PU45 adhesive is applied to the back edge of the male T&G portion before male and female ends are connected. NOTE: Do not apply excessive volumes as any adhesive that spreads to the face of the weatherboard will negatively effect the paint finish.



For More Information: https://www.mccormacksaustralia.com.au/magnumboard-products/p/magnum-board-weatherboards

EAVE JUNCTION

Soffit framing in accordance with code compliance and good sound practice.

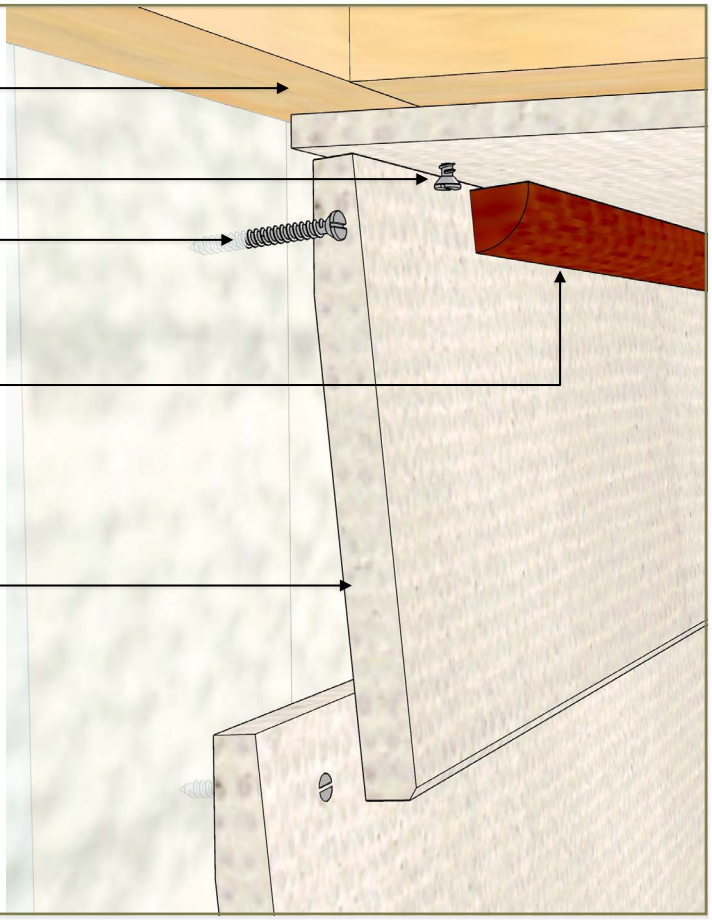
Fixings - see page 3.

Fixings.

Storm moulding.

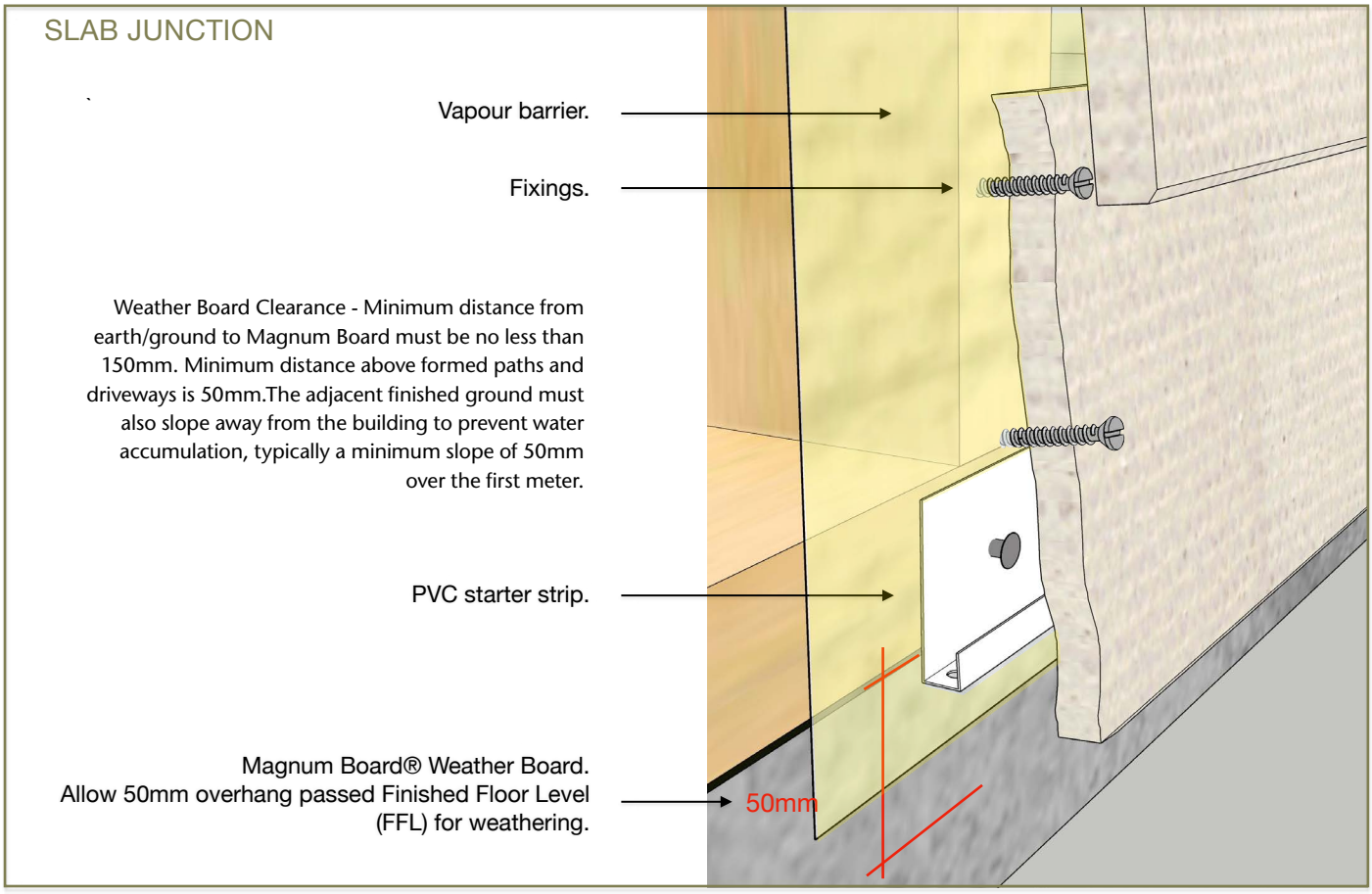
Magnum Board® Weather Board.

NOTE: Where nails are used within 20mm from end of boards the nail positions must be pre-bored with a 5mm Ø drill and countersink prior to nail-fixing, in order to prevent cracking. Care must be taken to ensure that the hole does not continue into the framing beneath.



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Installation Details



For More Information: https://www.mccormacksaustralia.com.au/magnumboard-products/p/magnum-board-weatherboards

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Weather tight Details

WEATHERTIGHT DETAILS : EXTERNAL
EXTERNAL CORNER : MITRE

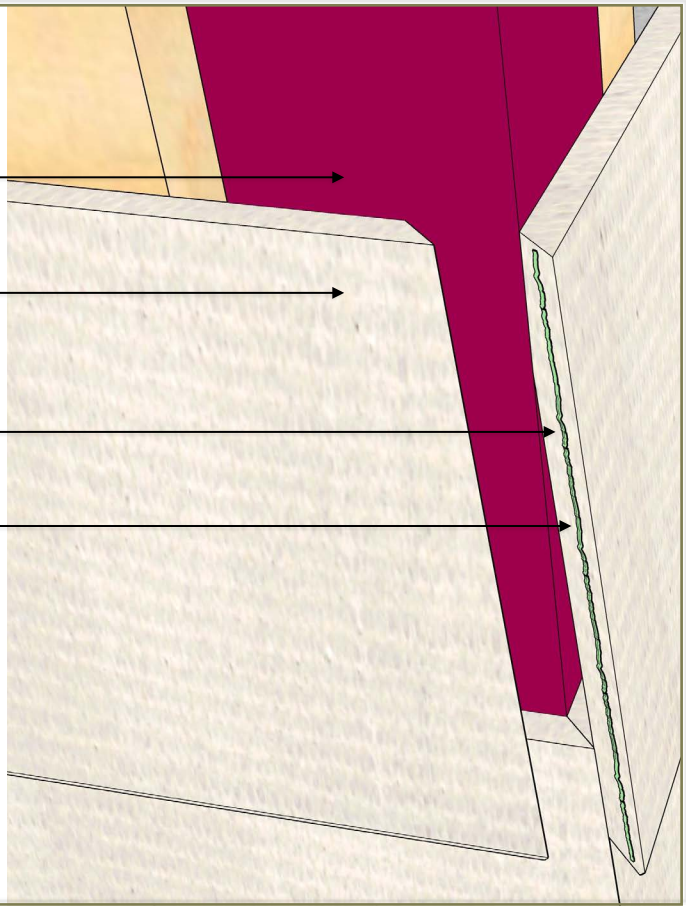
Vapour barrier not shown for clarity.

75x75mm flashing to be fixed over vapour barrier. Avoid nailing through when fixing weather boards.

Magnum Board® Weather Board Respiratory and Eye Protection instruction on Pg55 when cutting.

Mitre to be 45° with a further allowance to be made for bevel.

Allow to apply Mapei PU35 or Mapei PU45 adhesive prior to fixing. Apply a strong pressure to ensure a satisfactory bond and finish.



For More Information: https://www.mccormacksaustralia.com.au/magnumboard-products/p/magnum-board-weatherboards

WEATHERTIGHT DETAILS : EXTERNAL
EXTERNAL CORNER : SOAKER

Corner framing in accordance with code compliance and good sound practice.

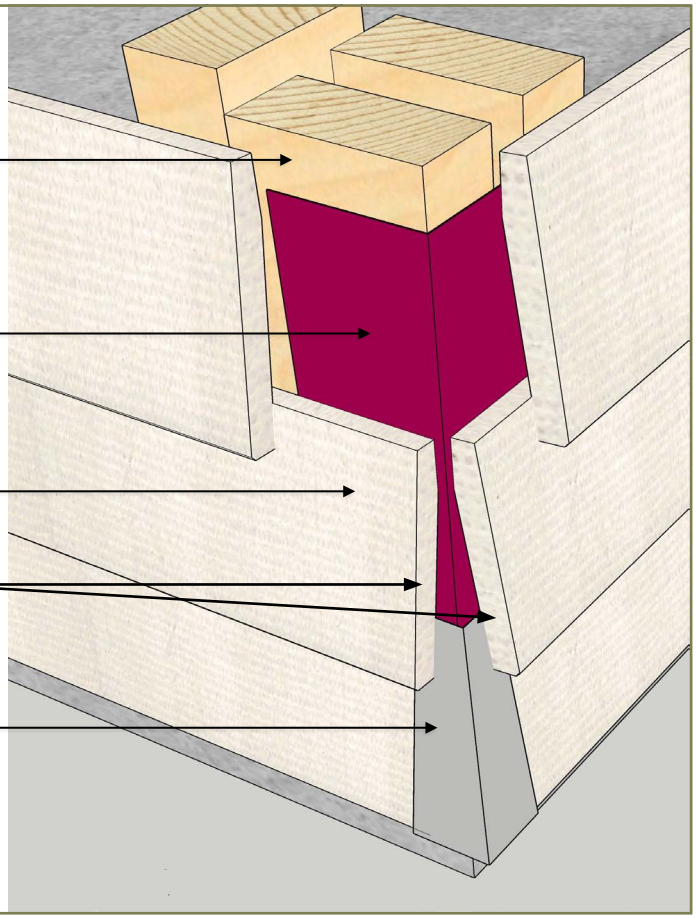
Vapour barrier not shown for clarity.

75x75mm flashing to be fixed over vapour barrier. Avoid nailing through when fixing weather boards.

Magnum Board® Weather Board.

NOTE: During the installation process ensure paint is applied to all cut ends and edges of Magnum Board Bevel Back Weather Board.

Galvanised soaker.



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Installation Details

WEATHERTIGHT DETAILS : EXTERNAL EXTERNAL CORNER : COVER BOARD & SCRIBERS

Vapour barrier not shown for clarity.

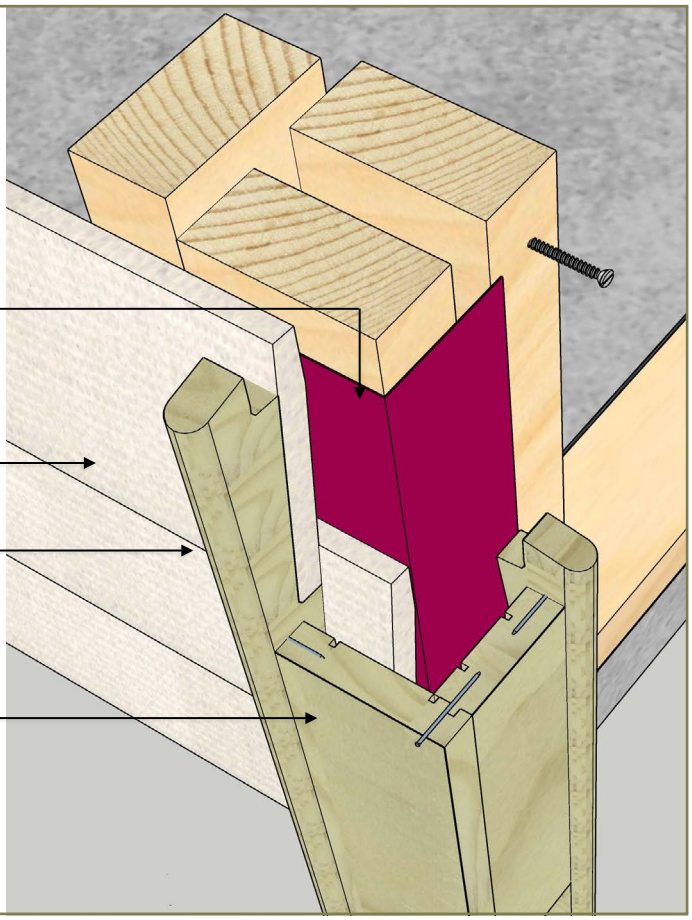
75x75mm flashing to be fixed over vapour barrier. Avoid nailing through when fixing weather boards.

Magnum Board® Weather Board.

Solid timber 43x18mm Pre-Cut Scriber.

Solid timber 90x20mm Box Corner Groove and Solid timber 70mm External Corner with Tongue.

NOTE: During the installation process ensure paint is applied to all cut ends and edges of Magnum Board Bevel Back Weather Board.



For More Information: https://www.mccormacksaustralia.com.au/magnumboard-products/p/magnum-board-weatherboards

WEATHERTIGHT DETAILS : EXTERNAL EXTERNAL CORNER : MOULDING

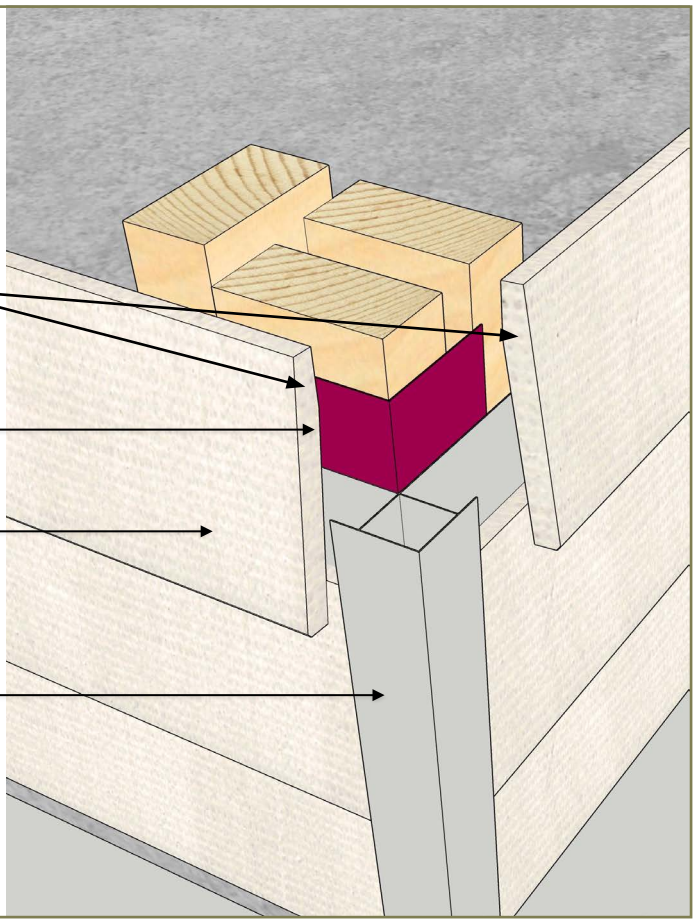
Vapour barrier not shown for clarity. Ensure it wraps around the corner in a continuous length.

NOTE: During the installation process ensure paint is applied to all cut ends and edges of Magnum Board Bevel Back Weather Board.

75x75mm flashing to be fixed over vapour barrier. Avoid nailing through when fixing weather boards.

Magnum Board® Weather Board. Leave a 2mm gap between end face of weatherboard and inside face of flashing.

Aluminium boxed corner - install in accordance with manufacturers instructions.



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Installation Details

WEATHERTIGHT DETAILS : INTERNAL
INTERNAL NOTCH & SCRIBE

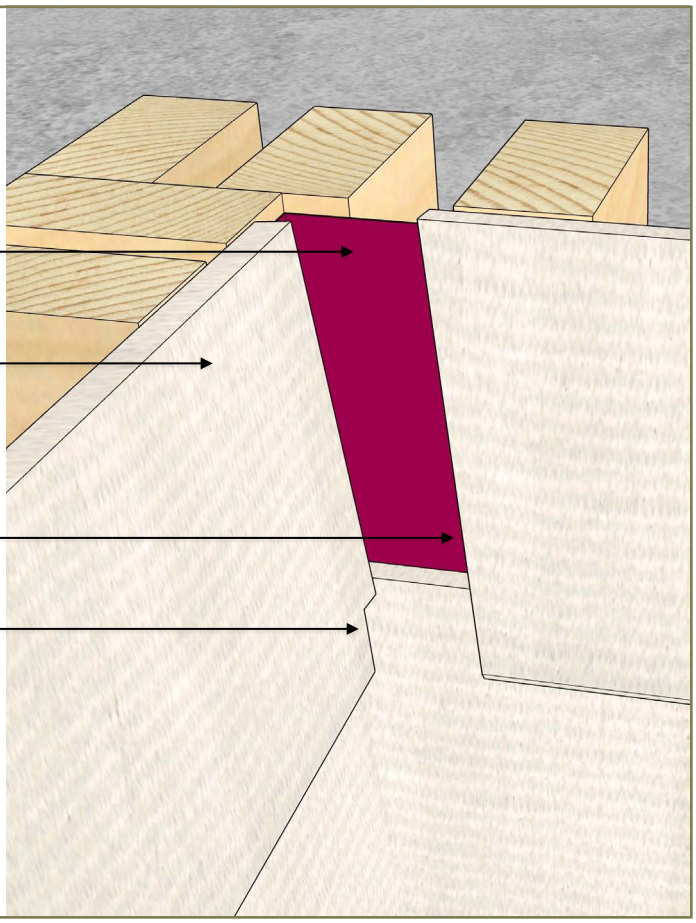
Vapour barrier not shown for clarity.

75x75mm flashing to be fixed over vapour barrier. Avoid nailing through when fixing weather boards.

Magnum Board® Weather Board Respiratory and Eye Protection instruction on Pg55 when cutting.

Allow to apply sealant to cut faces.

Cut to notch evenly to front face of weather board.



For More Information: https://www.mccormacksaustralia.com.au/magnumboard-products/p/magnum-board-weatherboards

WEATHERTIGHT DETAILS : INTERNAL
INTERNAL MOULDING

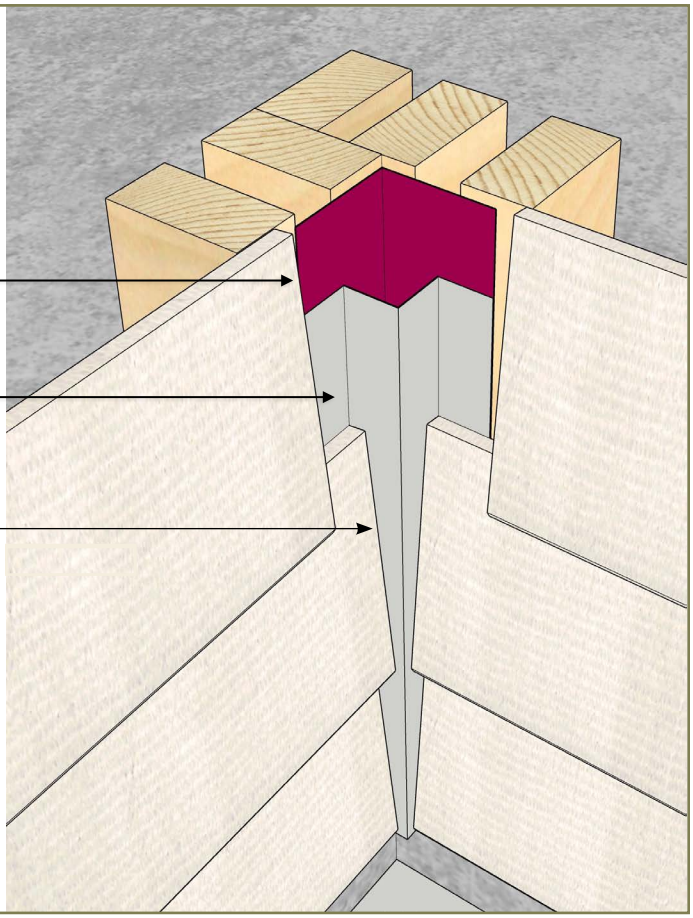
Vapour barrier not shown for clarity. Ensure it wraps around the corner in a continuous length.

75x75mm flashing to be fixed over vapour barrier. Avoid nailing through when fixing weather boards.

Aluminium 'W' corner - install in accordance with manufacturers instructions.

Allow to leave a 2mm gap between end face of Weather Board and 'W' corner.

NOTE: During the installation process ensure paint is applied to all cut ends and edges of Magnum Board Bevel Back Weather Board.



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Installation Details

WINDOWS
JAMB 1

Folded Colorsteel or similar head flashing.

NOTE: All exposed faces, including the top edges under the sills and bottom edges of MagnumBoard® Weatherboard and accessories must be finished with an exterior paint system.

Solid timber 43x18mm Pre-Cut Scriber.

NOTE: During the installation process ensure paint is applied to all cut ends and edges of Magnum Board Bevel Back Weather Board.

Folded Colorsteel or similar sill flashing.



For More Information: https://www.mccormacksaustralia.com.au/magnumboard-products/p/magnum-board-weatherboards

WINDOWS
JAMB 2

Vapour barrier.

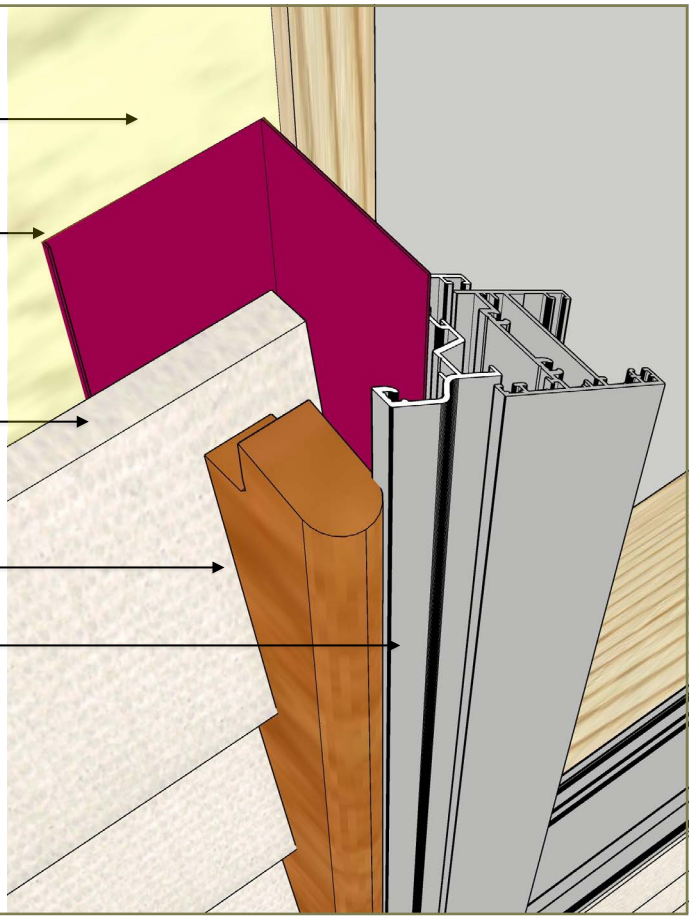
75x75mm jamb flashing to be fixed over vapour barrier. Avoid nailing through when fixing weather boards.

Magnum Board® Weather Board.

Solid timber 43x18mm Pre-Cut Scriber.

Aluminium Window fitted in accordance with manufacturers instructions.

NOTE: During the installation process ensure paint is applied to all cut ends and edges of Magnum Board Bevel Back Weather Board.



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Installation Details

WINDOWS
HEAD

Vapour barrier.

Flashing tape.

Magnum Board® Weather Board cut back over flashing as indicated - note Respiratory and Eye Protection instructions under Section 8 on P55 when cutting.

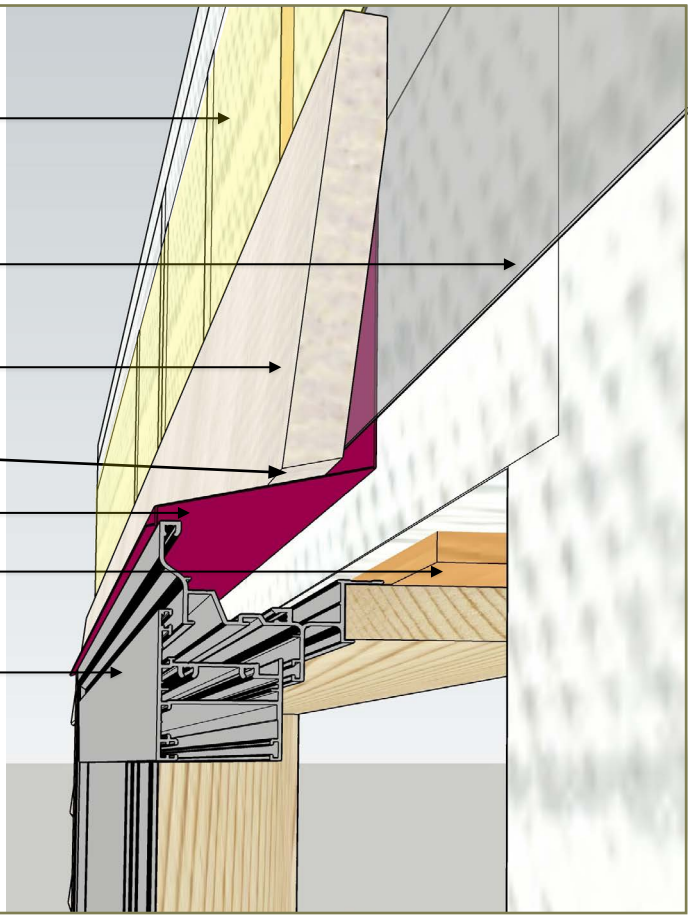
NOTE: 15mm gap required between bottom of weather Board and head flashing

Folded Colorsteel or similar head flashing with flashing tape over as indicated.

Packer.

Aluminium Window fitted in accordance with manufacturers instructions.

NOTE: All exposed faces, including the top edges under the sills and bottom edges of MagnumBoard® Weatherboard and accessories must be finished with an exterior paint system.



For More Information: https://www.mccormacksaustralia.com.au/magnumboard-products/p/magnum-board-weatherboards

WINDOWS
SILL

PEF rod air-seal and sealant (not shown for clarity).

NOTE: All exposed faces, including the top edges under the sills and bottom edges of MagnumBoard® Weatherboard and accessories must be finished with an exterior paint system.

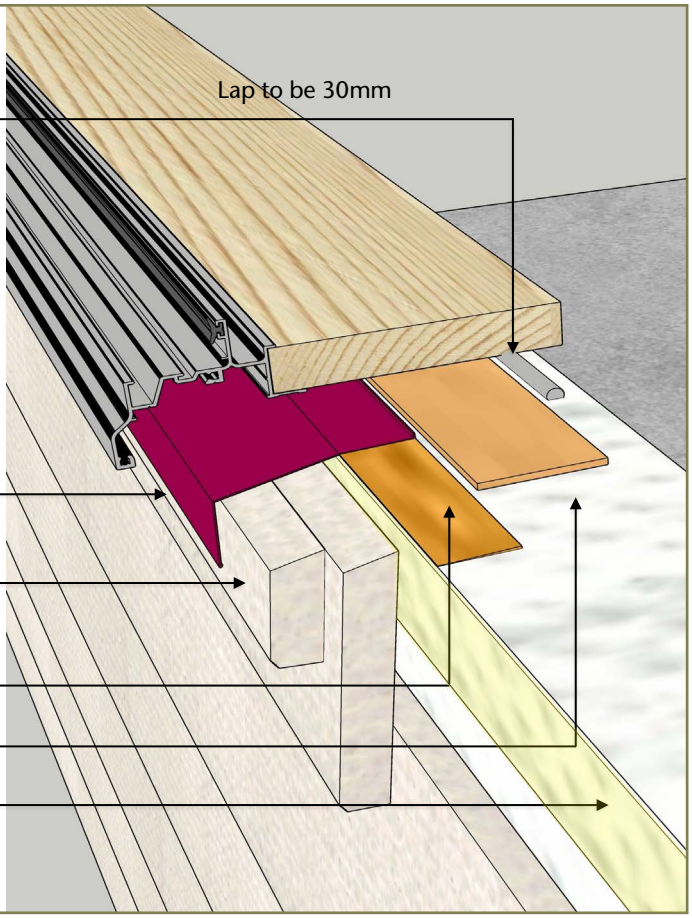
Folded Colorsteel or similar head flashing and cill tray. Ensure back edge is supported with a suitable packer to ensure fall away from building. Allow for 30-40mm front face of flashing.

Magnum Board® Weather Board cut forward under flashing and packed as indicated. Allow to screw-fix behind the flashing.

Cill tray packer.

Window packer.

Vapour barrier.



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Pre-Installation & Post-Installation Checklist

NOTE: Warranty is valid by completion of this Pre-Installation & Post-Installation inspection checklist.

Site address: _____Inspection Date: _____

Owner/Applicant: _____

Head Contractor / Builder: _____ LBP #:_____

Mobile Phone: _____ Email: _____

Designer: _____ Mobile: _____

MAGNUM BOARD BEVEL BACK WEATHERBOARD **PRE-INSTALLATION** CHECK LIST

NOTE: It is the responsibility of the certified installer to inspect their work place prior to beginning the placement, and to ensure that the placed work will meet supplier's requirements. Notify the owner / general contractor of any concerns prior to commencement of work.
NOTE: It is the responsibility of the installer to compile pre- and post- checklists and photographs in accordance with the quality plan.

- ☐ Framing configuration and fixing detail suitable for the installation.
- ☐ Framing moisture content - to be within Building Code Australian guidelines.
- ☐ Framing flush and level.
- ☐ Access and heights.
- ☐ Services identified.
- ☐ Health and safety plan in place.
- ☐ PPE and dust control in place.

MAGNUM BOARD BEVEL BACK WEATHERBOARD **POST-INSTALLATION** CHECK LIST

NOTE: It is the responsibility of the installer to inspect the completion of the placement and to ensure placed work will meet the supplier's requirements. Notify the owner / general contractor of any concerns prior to commencement of work.

- ☐ Fixing details match recommended fixing pattern.
- ☐ Boards are straight and level.
- ☐ Nail and Screw heads are to finish flush or slightly below flush to surface of Bevel Back Weatherboard.
- ☐ All exposed faces, including the top edges under the sills and bottom edges of MagnumBoard® Weatherboard and accessories must be finished with an exterior paint system.
- ☐ T & G joins are tight and sealed with Mapei PU35 or Mapei PU45.
- ☐ Waste material is removed or positioned for removal as a non-toxic material.
- ☐ Health and safety plan in place.
- ☐ PPE and dust control in place.

- ☐ Approved building consent document number : _____
- ☐ Approval authority : _____
- ☐ Approval date : _____

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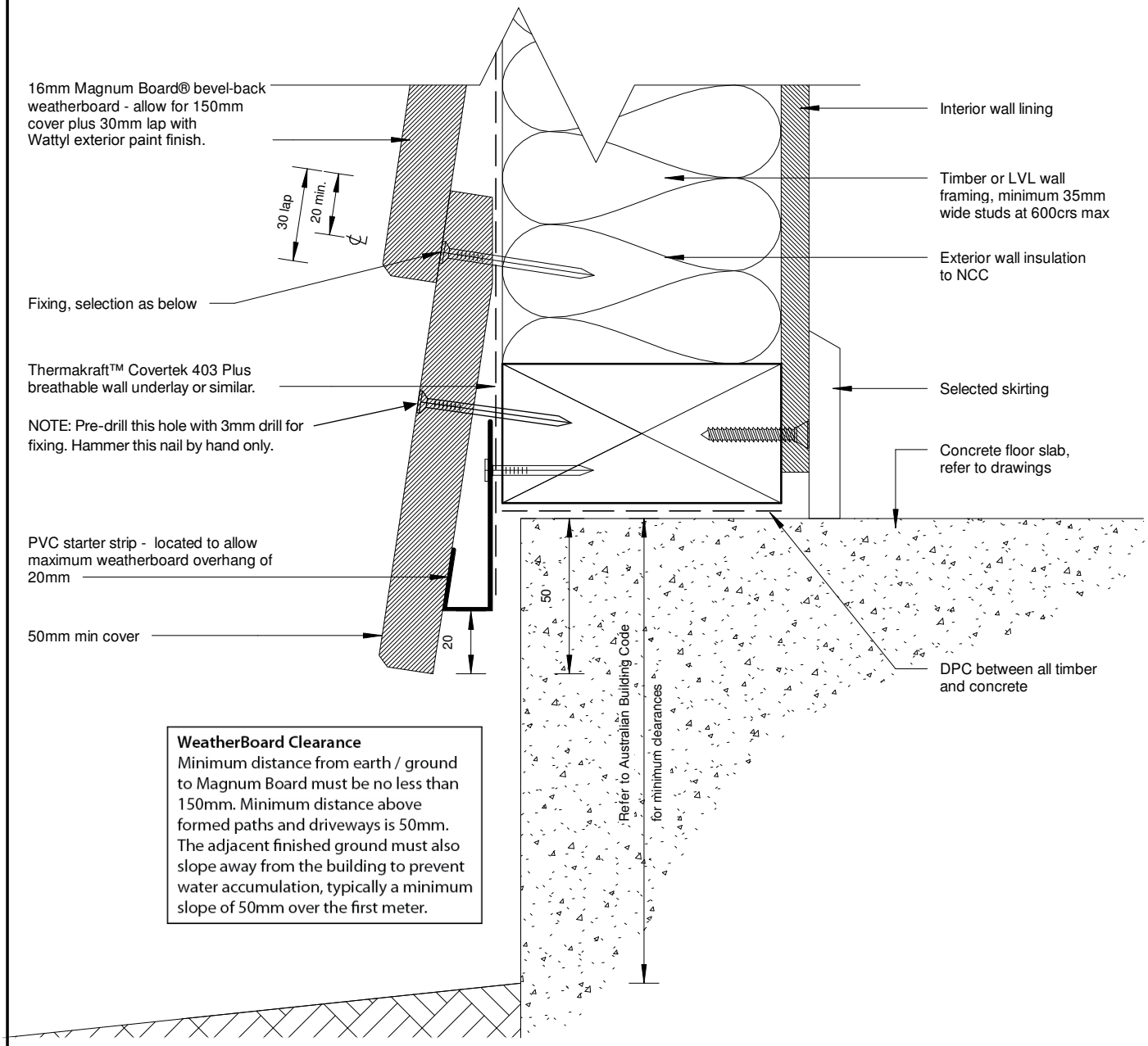


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Magnum Board 16mm Weatherboard Cavity & Direct Fix

Sheet List		
Page Number	Sheet Name	Current Revision
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pg 21	Concrete Foundation Detail	
pg 22	Timber Foundation Detail	
pg 23	External Corner Detail	
pg 24	External Corner Detail	
pg 25	Internal Corner Detail	
pg 26	Internal Corner Detail	
pg 27	Eave - Section Detail	
pg 28	Barge - Section Detail	
pg 29	Roof - Wall Ridge - Section Detail	
pg 30	Canopy Junction - Section Detail	
pg 31	Horizontal Control Joint	
pg 32	Vertical Joint On Stud	
pg 33	Typical Head and Sill Detail	
pg 34	Typical Jamb Detail	
pg 35	Deck Threshold Detail	
pg 36	Pipe Penetration - Plan & Section Detail	
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pg 47	Typical Head and Sill Detail (Cavity)	
pg 48	Typical Jamb Detail (Cavity)	
pg 49	Pipe Penetration - Plan & Section Detail (Cavity)	
pg 50	Typical Door/Window Opening	



WeatherBoard Clearance
Minimum distance from earth / ground to Magnum Board must be no less than 150mm. Minimum distance above formed paths and driveways is 50mm. The adjacent finished ground must also slope away from the building to prevent water accumulation, typically a minimum slope of 50mm over the first meter.

Concrete Foundation Detail

1 : 2

WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

150mm
100
50
0 10mm

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HEALTH BASED BUILDING™ natural selection

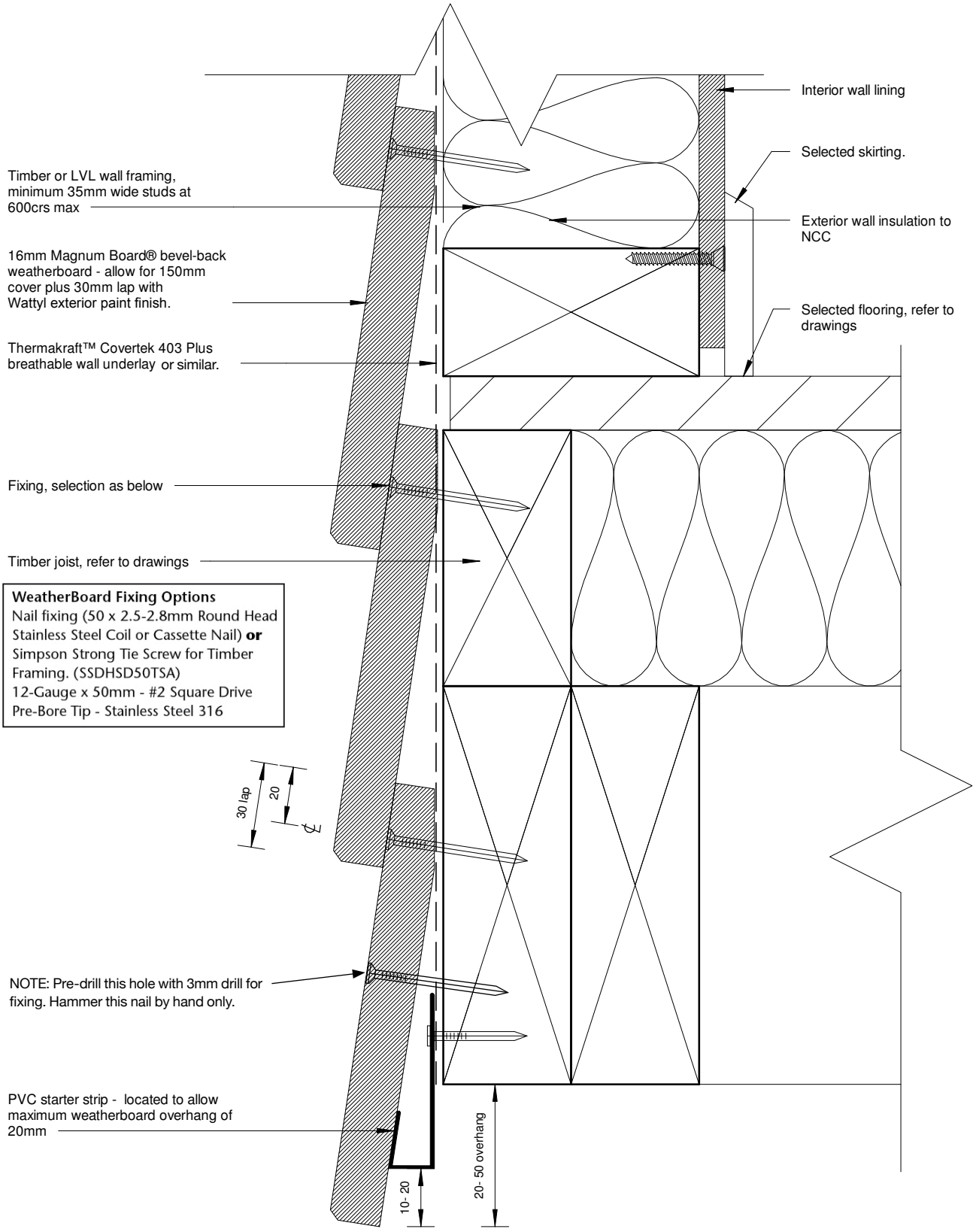
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Concrete Foundation Detail

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Timber Foundation Detail

1 : 2

150mm
100
50
0 10mm

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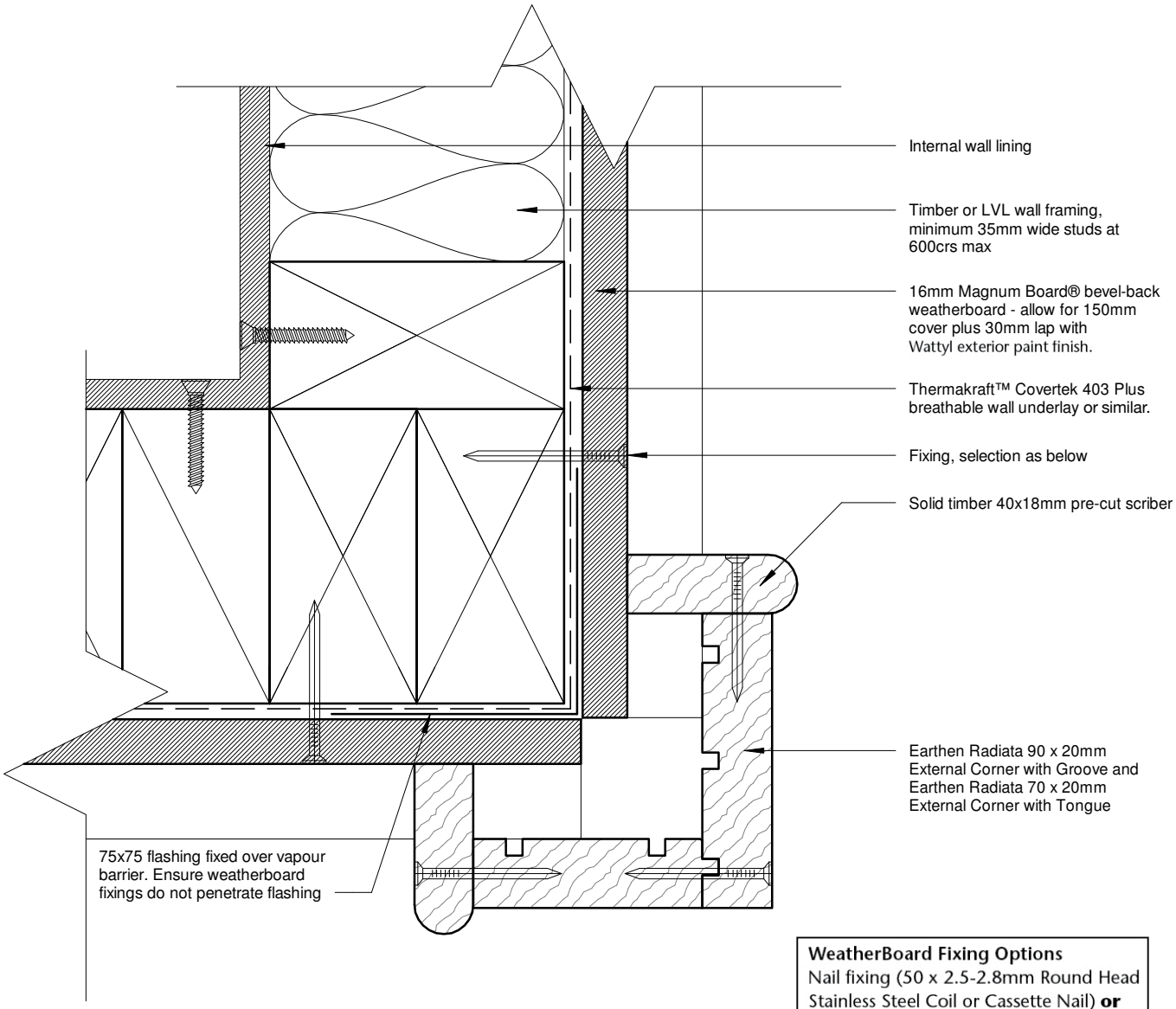
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Timber Foundation Detail

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WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or**
Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

External Corner Boxed Detail

1 : 2

150mm
100
50
0 10mm

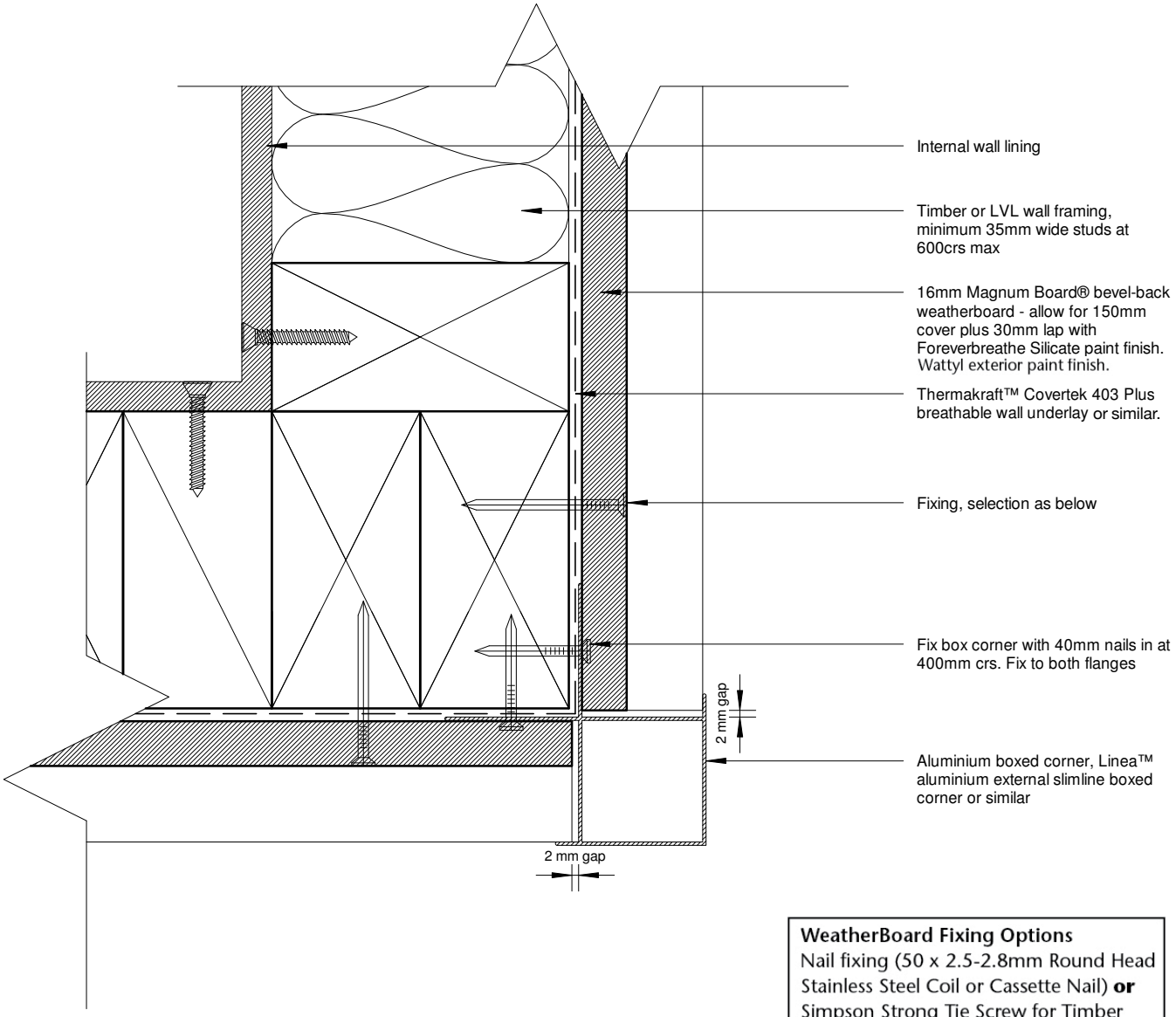
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External Corner Detail

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WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive Pre-Bore Tip - Stainless Steel 316

External Corner Aluminium Box Detail

1 : 2

0 10mm 50 100 150mm

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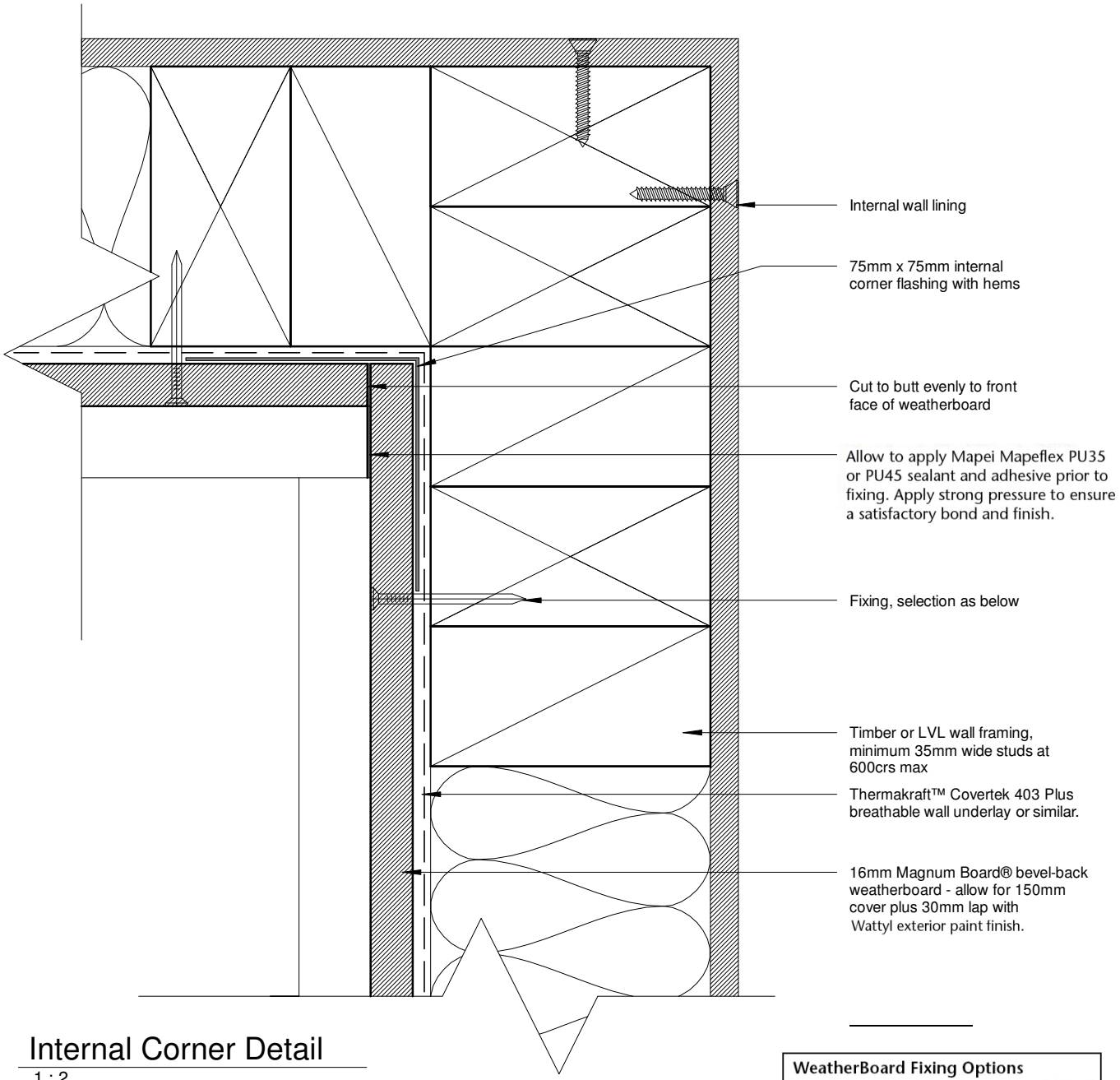
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External Corner Detail

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NOTE: Respiratory and Eye Protection
Refer to Section 8 when cutting, sanding, or drilling Magnum Board®.



Internal Corner Detail

1 : 2

WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or**
Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

150mm
100
50
0 10mm

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HEALTH BASED BUILDING™ natural selection

Health Based Building Magnum Board 16mm Weatherboard Direct Fix

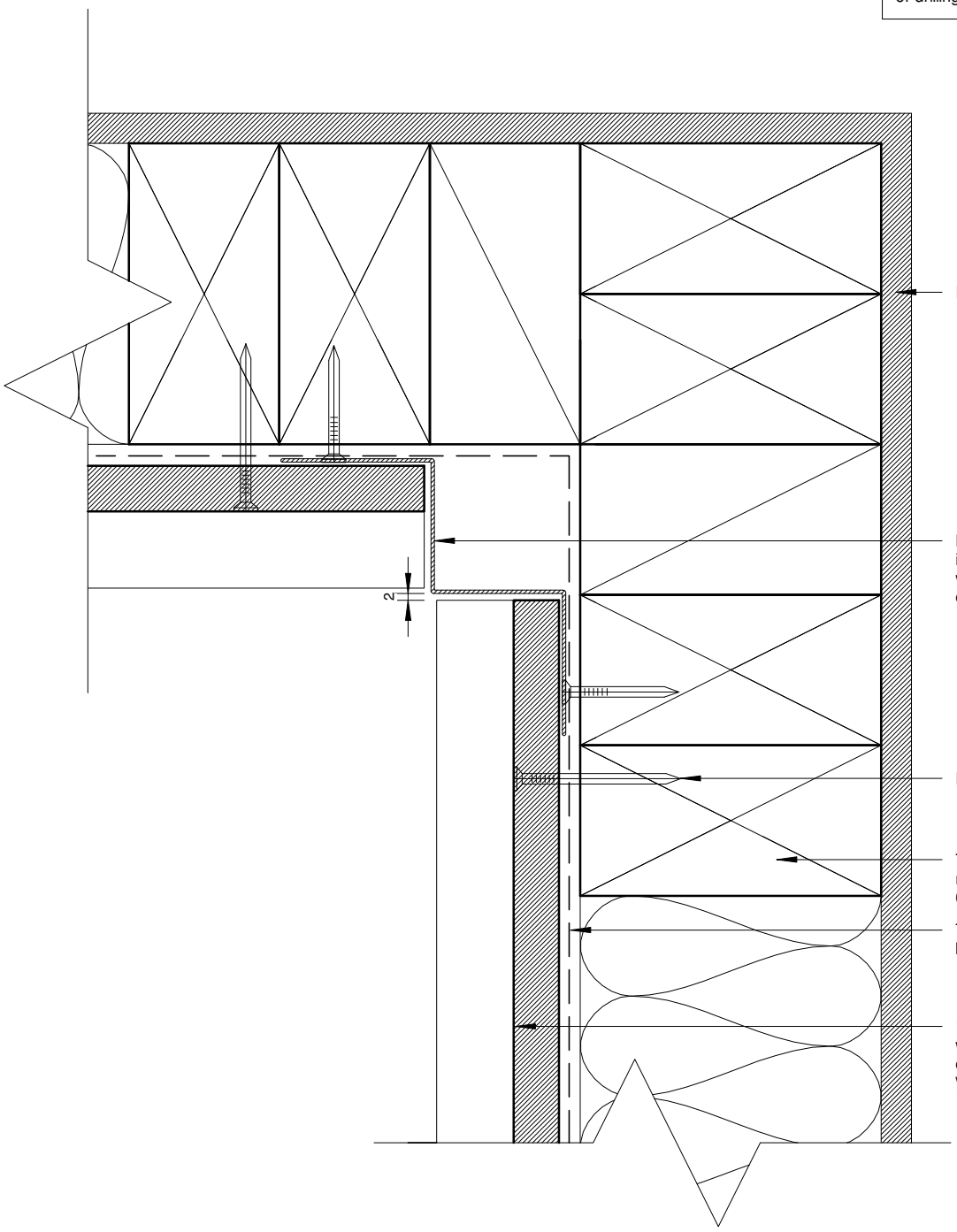
Internal Corner Detail

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NOTE: Respiratory and Eye Protection Refer to Section 8 when cutting, sanding, or drilling Magnum Board®.



Internal W-Corner Detail

1 : 2

WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive Pre-Bore Tip - Stainless Steel 316

150mm
100
50
0 10mm

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HEALTH BASED BUILDING™ natural selection

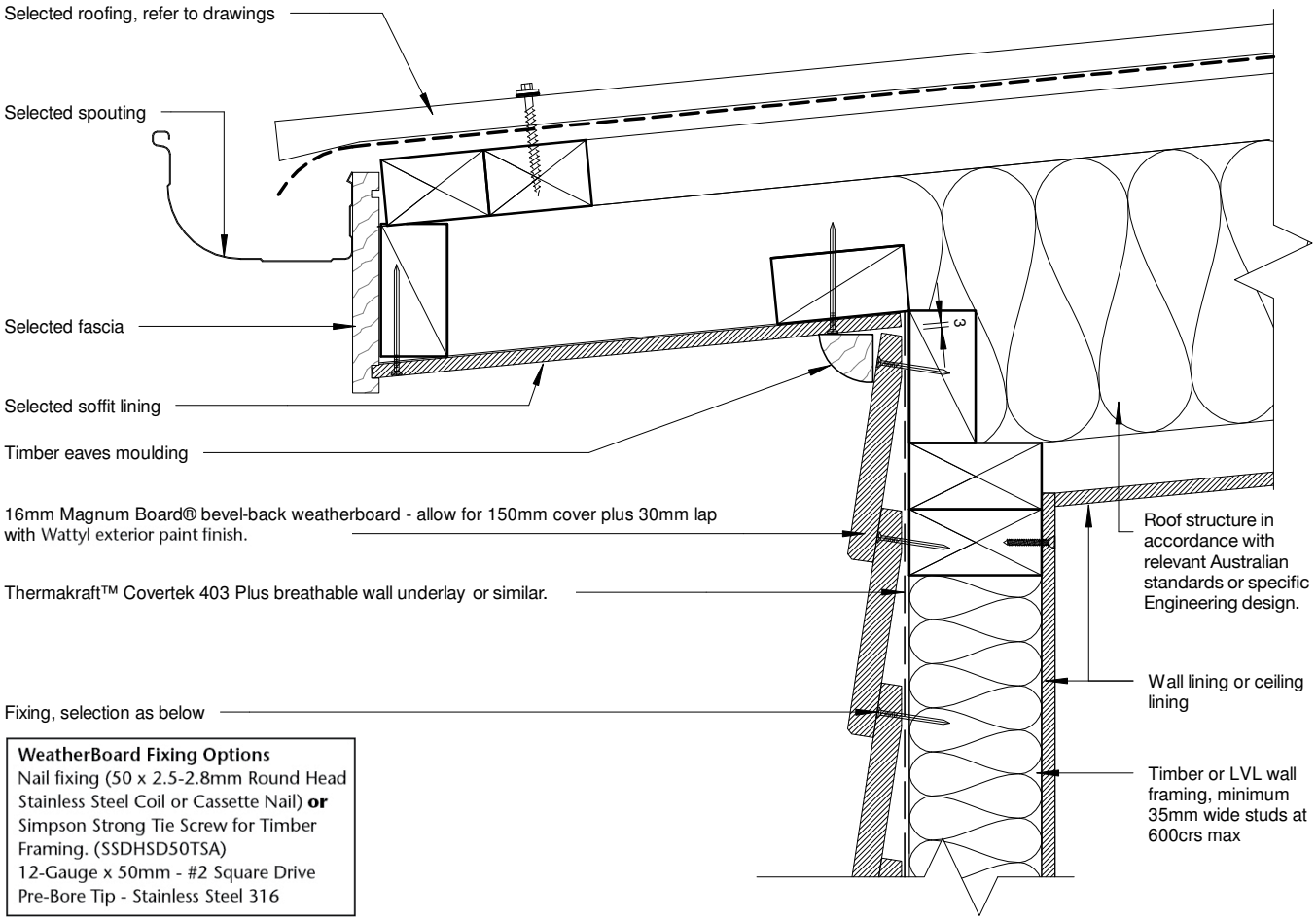
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Internal Corner Detail

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Eave - Section Detail

1 : 5

150mm
100
50
0 10mm

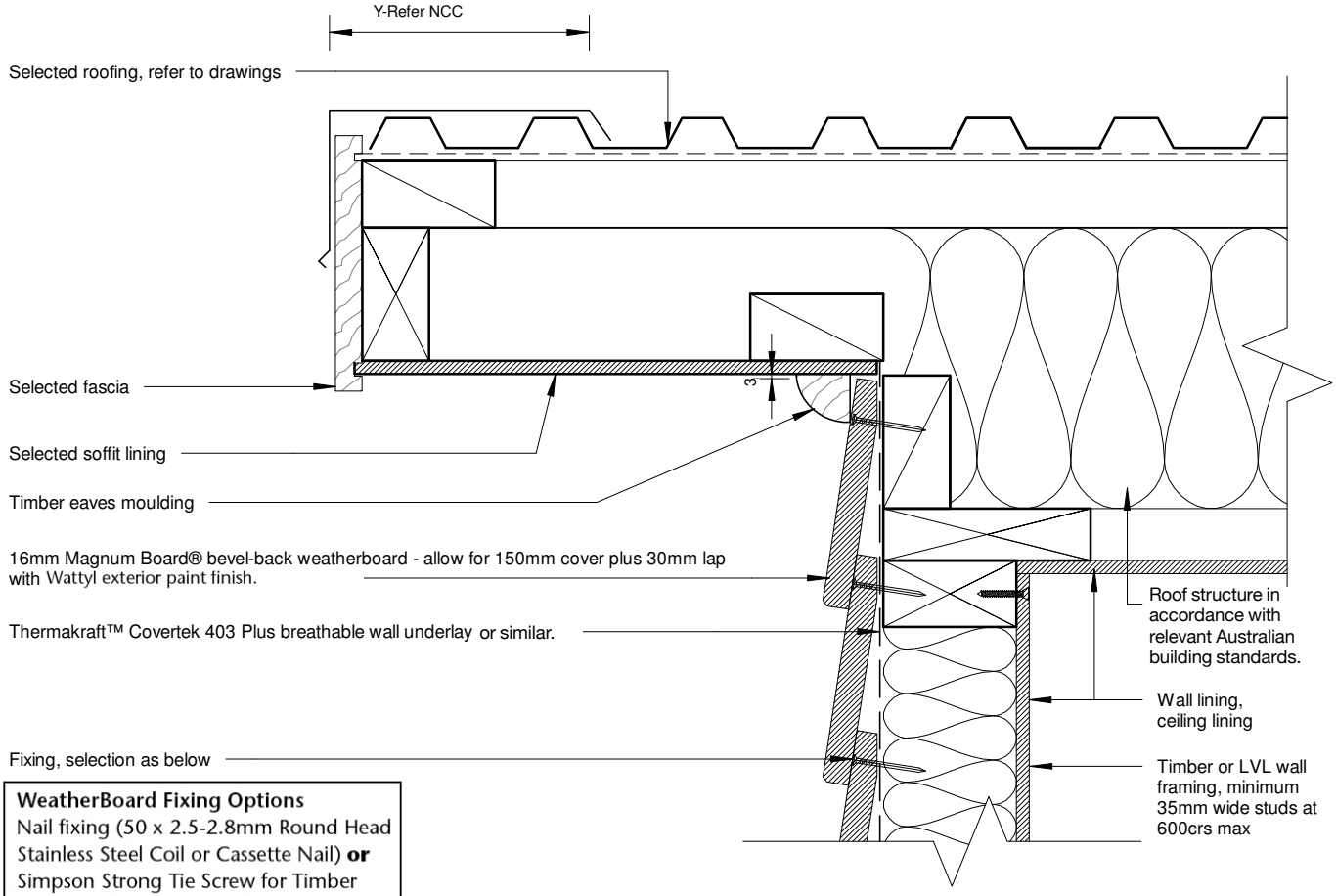
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Eave - Section Detail

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WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive Pre-Bore Tip - Stainless Steel 316

Barge - Sectional Detail

1 : 5

150mm
100
50
0 10mm

13/12/2019 2:58:59 PM

HEALTH BASED BUILDING™ natural selection

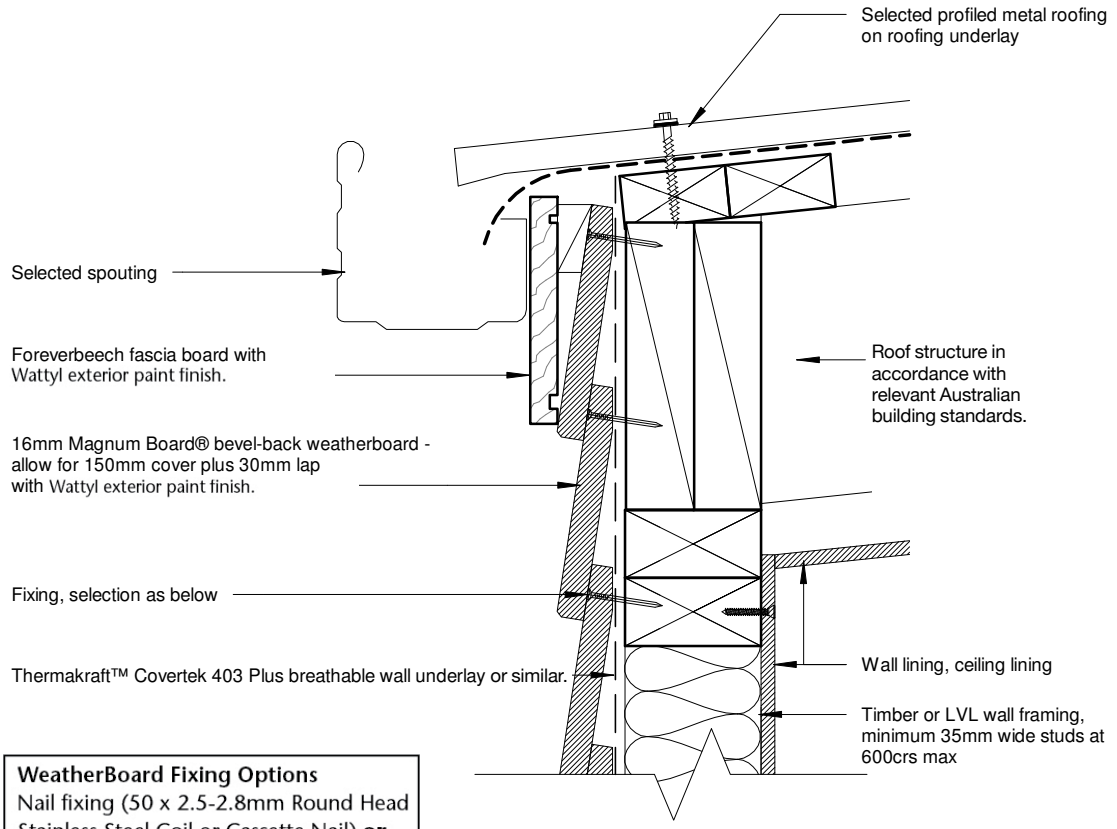
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Barge - Section Detail

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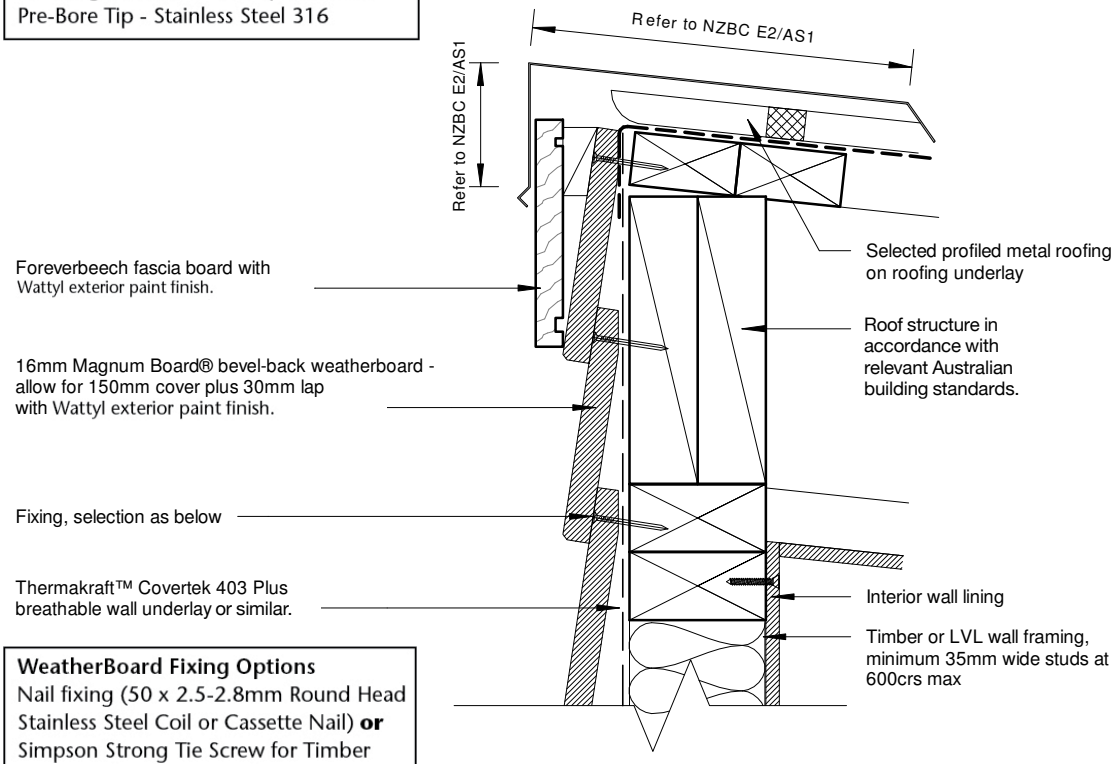
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WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

Barge - No Soffit Detail

1 : 5



WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

Roof - Wall Ridge - Section Detail

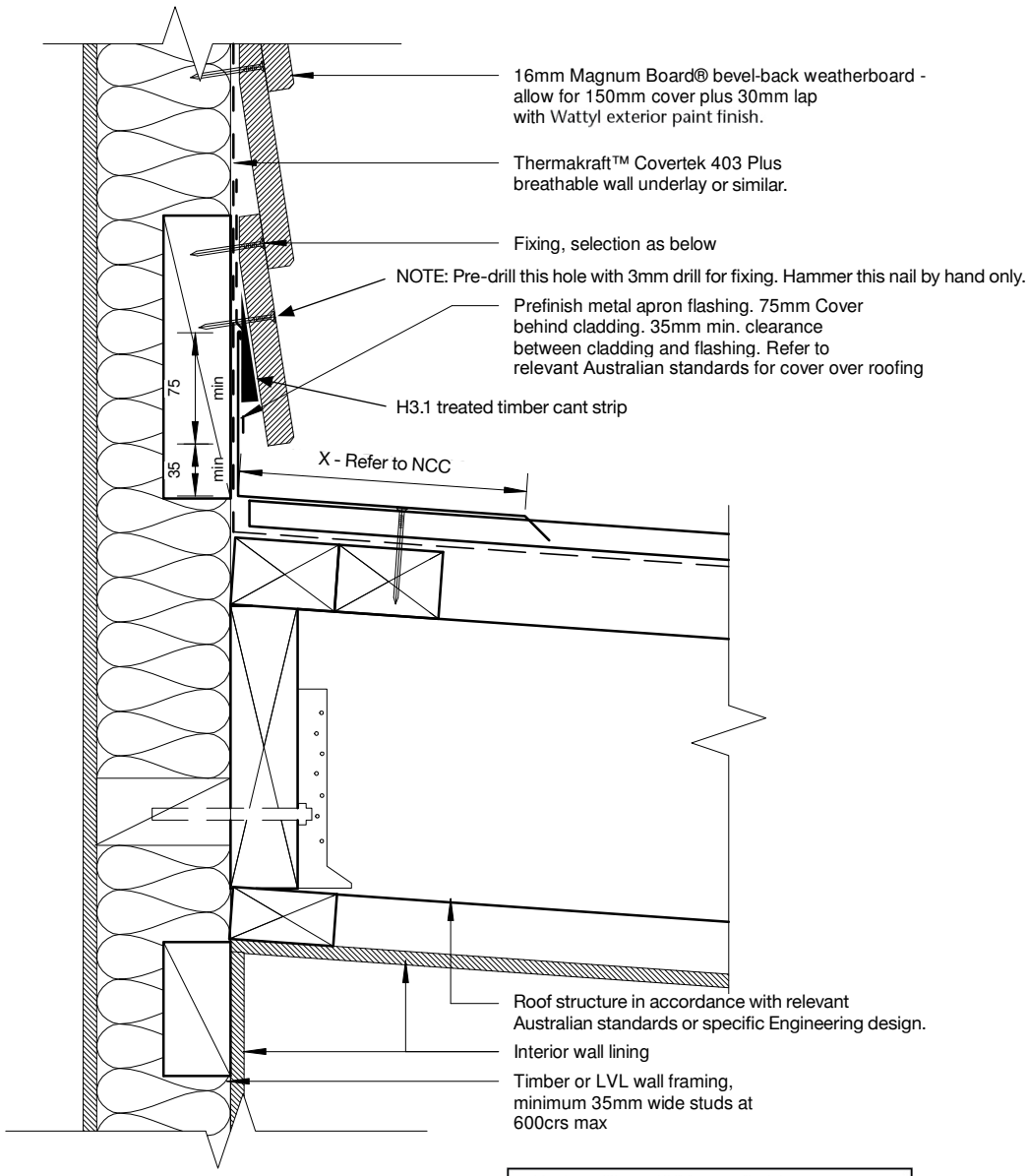
1 : 5

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Roof - Wall Ridge - Section Detail

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150mm 100 50 0 10mm
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WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

Canopy Junction - Section Detail

1 : 5

150mm
100
50
0 10mm

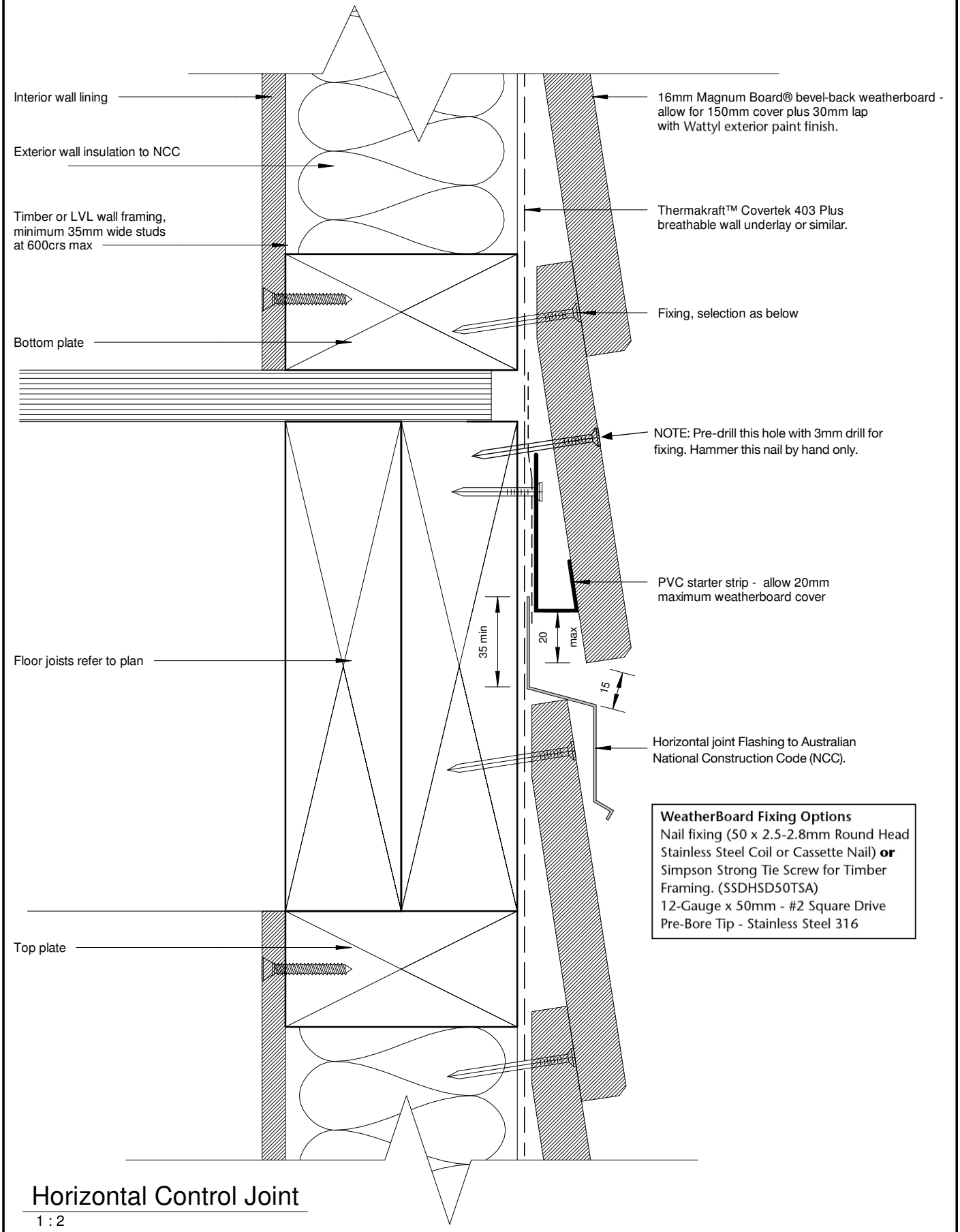
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Canopy Junction - Section Detail

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Horizontal Control Joint

1 : 2

0 10mm 50 100 150mm

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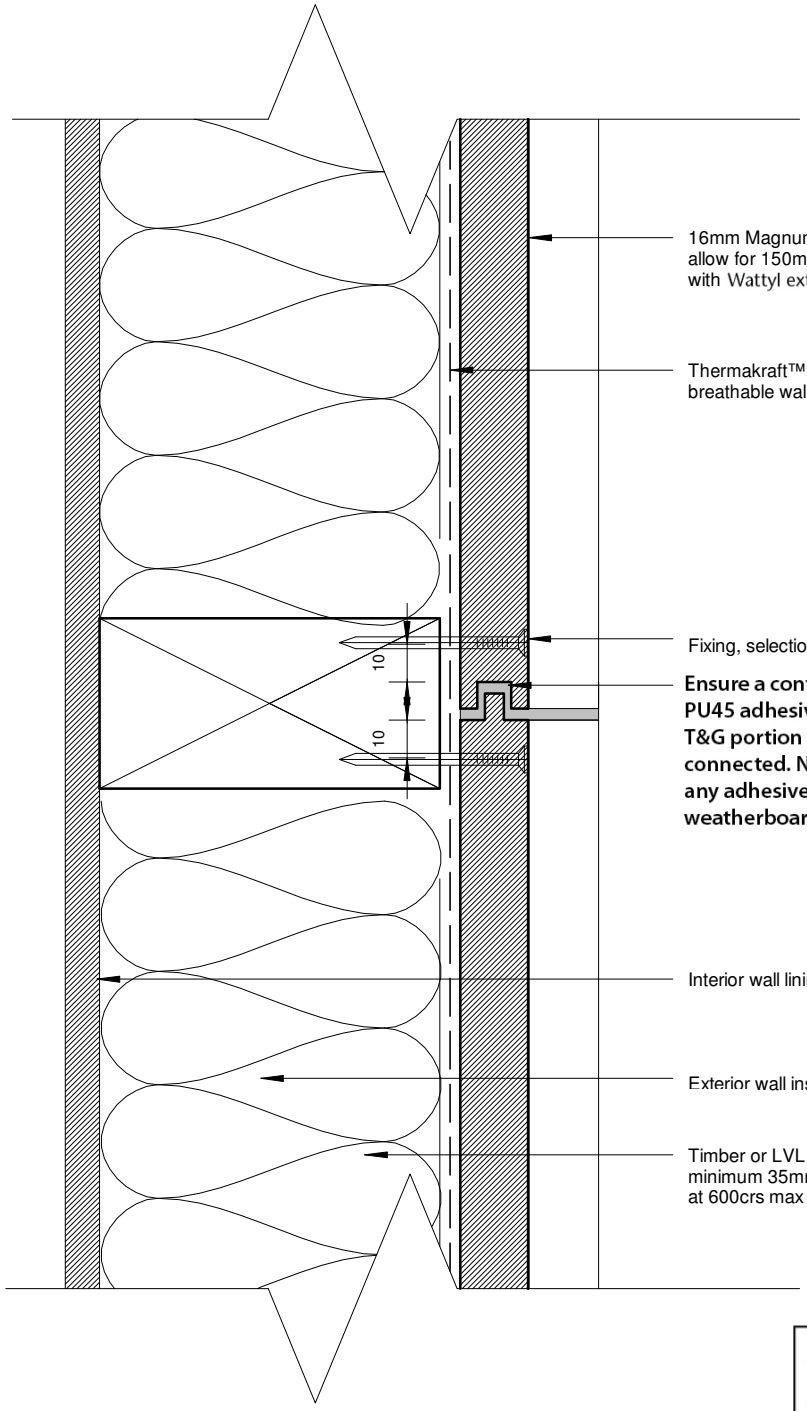
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Horizontal Control Joint

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Vertical Joint on Stud

1 : 2

WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive Pre-Bore Tip - Stainless Steel 316

0 10mm 50 100 150mm

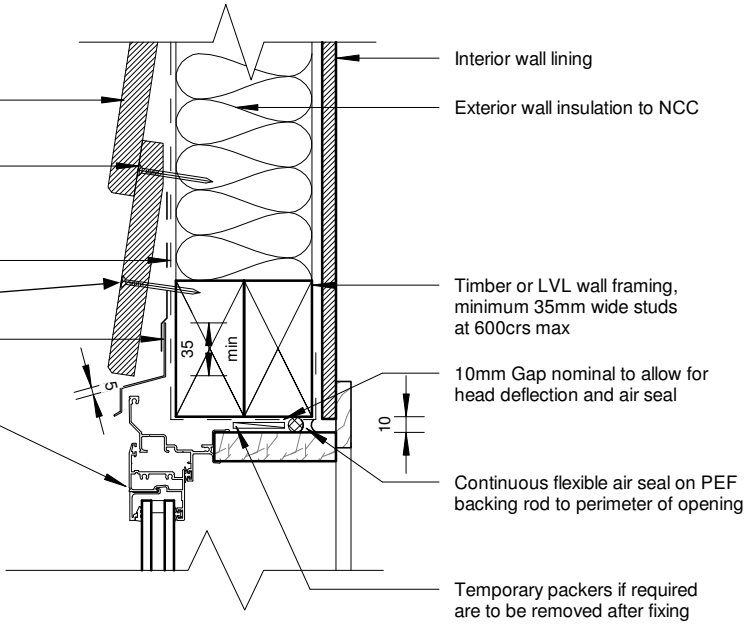
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Health Based Building Magnum Board 16mm Weatherboard Direct Fix

Vertical Joint On Stud

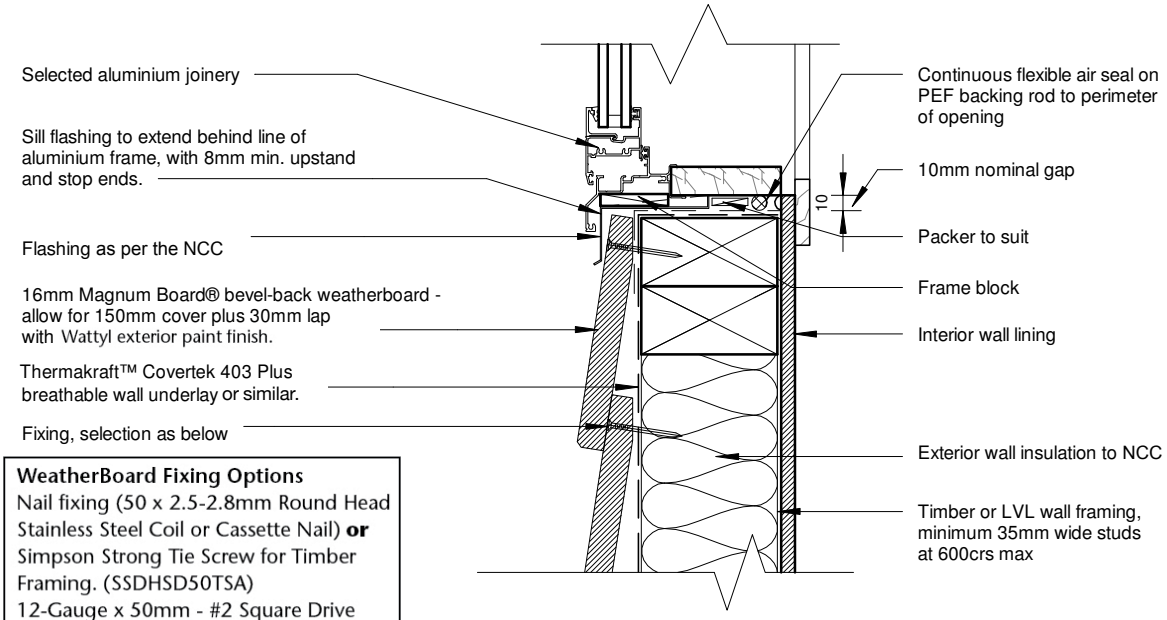
GRAPHIC SCALES

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Typical Head Detail

1 : 5



Typical Sill Detail

1 : 5

150mm
100
50
0 10mm

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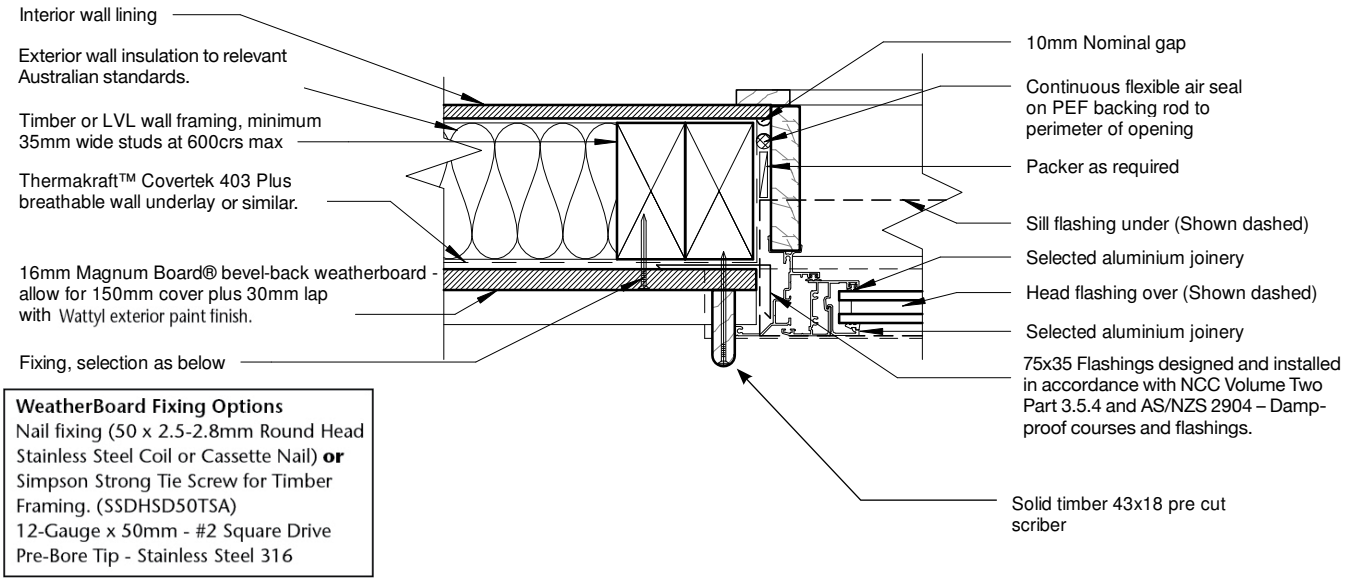
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Typical Head and Sill Detail

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WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive Pre-Bore Tip - Stainless Steel 316

Typical Jamb Detail

1 : 5

150mm
100
50
0 10mm

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HEALTH BASED BUILDING™ natural selection

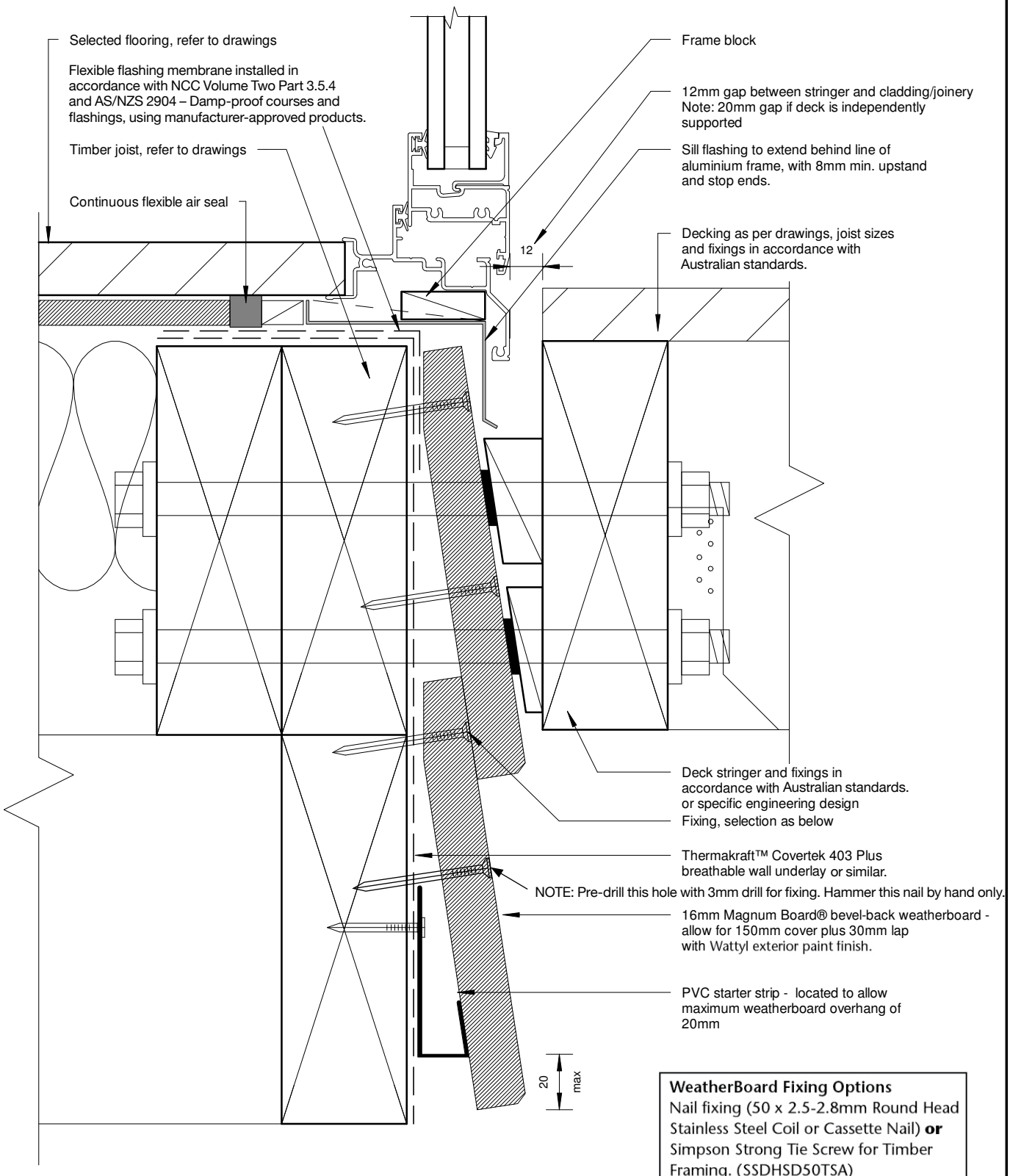
Health Based Building Magnum Board 16mm Weatherboard Direct Fix

Typical Jamb Detail

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WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

Deck Threshold Detail

1 : 2

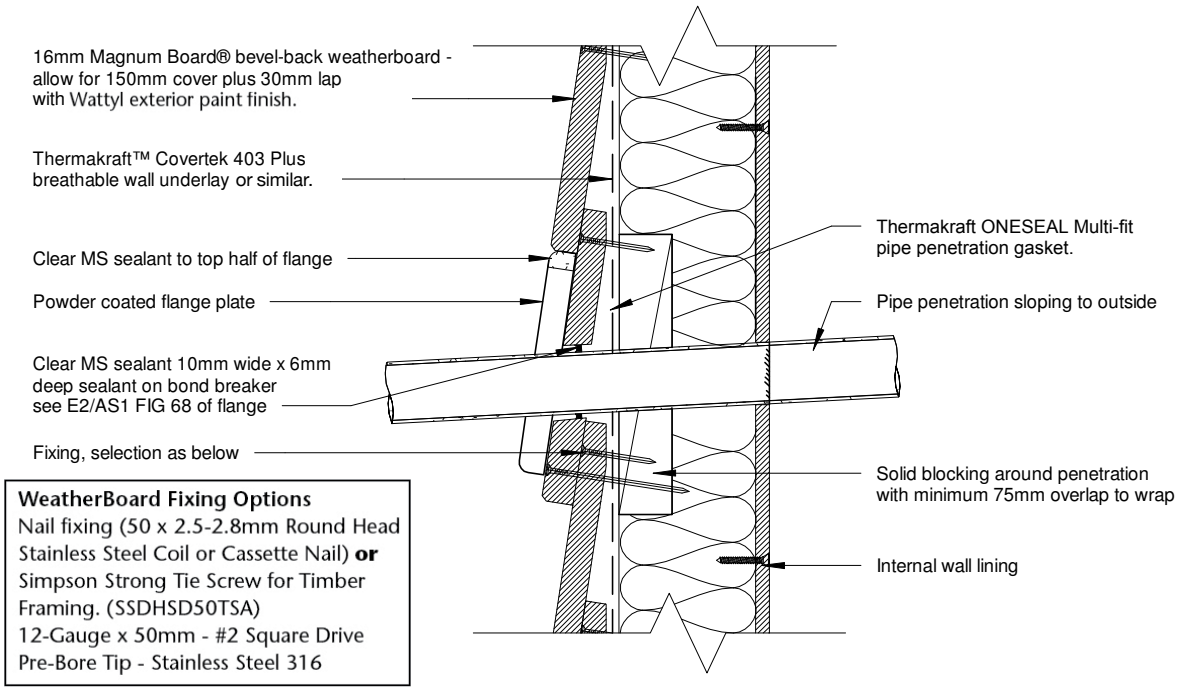
0 10mm 50 100 150mm

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Health Based Building Magnum Board 16mm Weatherboard Direct Fix

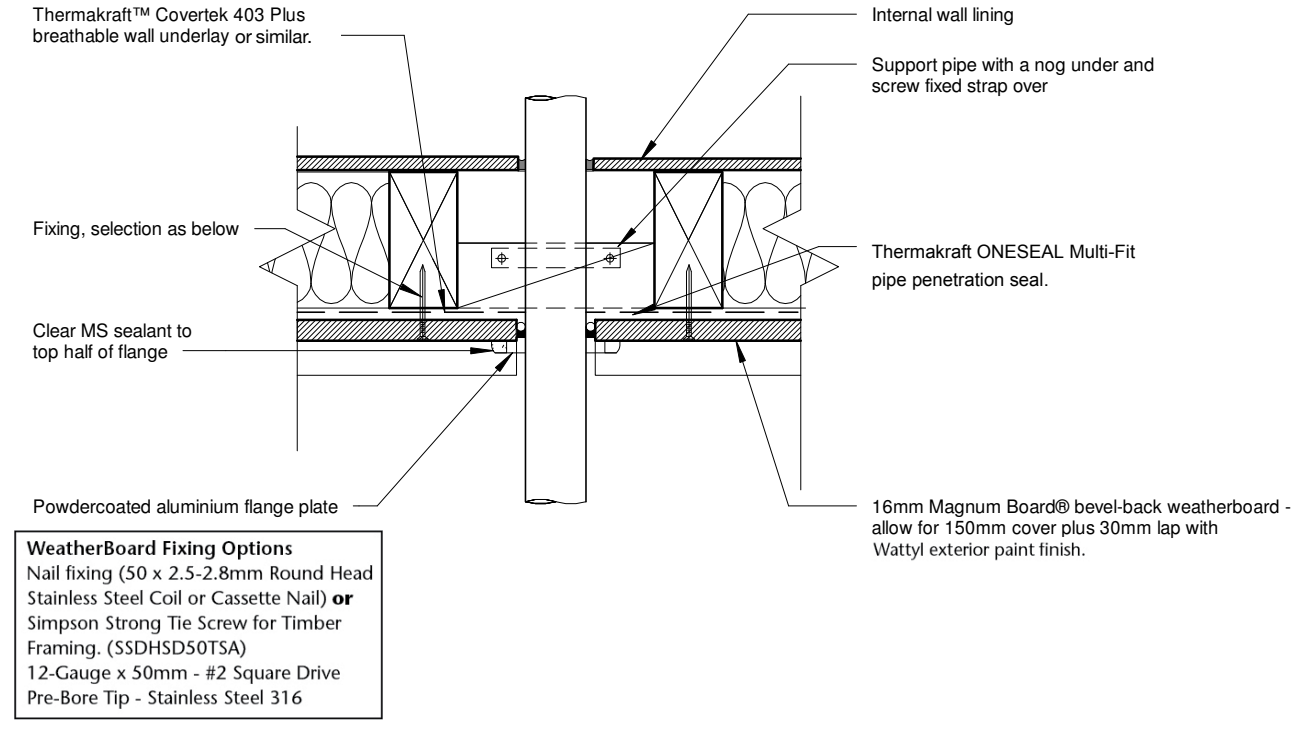
Deck Threshold Detail

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Pipe Penetration Section Detail

1 : 5



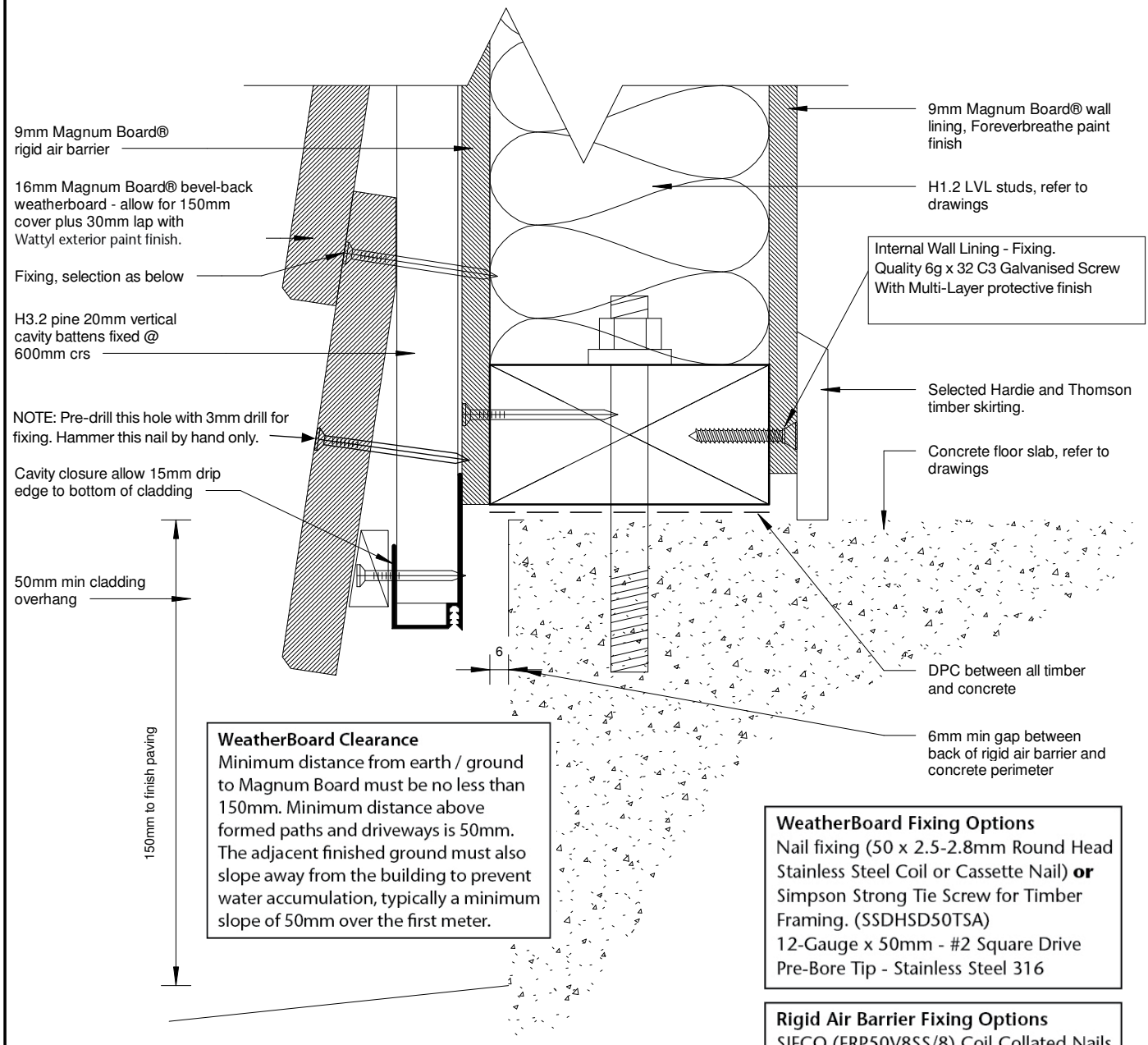
Pipe Penetration Plan Detail

1 : 5

Health Based Building Magnum Board 16mm Weatherboard Direct Fix

Pipe Penetration - Plan & Section Detail

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WeatherBoard Clearance
Minimum distance from earth / ground to Magnum Board must be no less than 150mm. Minimum distance above formed paths and driveways is 50mm. The adjacent finished ground must also slope away from the building to prevent water accumulation, typically a minimum slope of 50mm over the first meter.

WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or**
Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

Rigid Air Barrier Fixing Options
SIFCO (FRP50V8SS/8) Coil Collated Nails 50 x 2.8mm Stainless Steel Flat Head with Annular Groove Shank **or**
Ecko (Cat HHSS-50V8R) Coil Collated Nails Round Head 50 x 2.8 Stainless Steel Flat Head with Annular Groove Shank

Concrete Foundation Cavity Detail

1 : 2

150mm 100 50 0 10mm

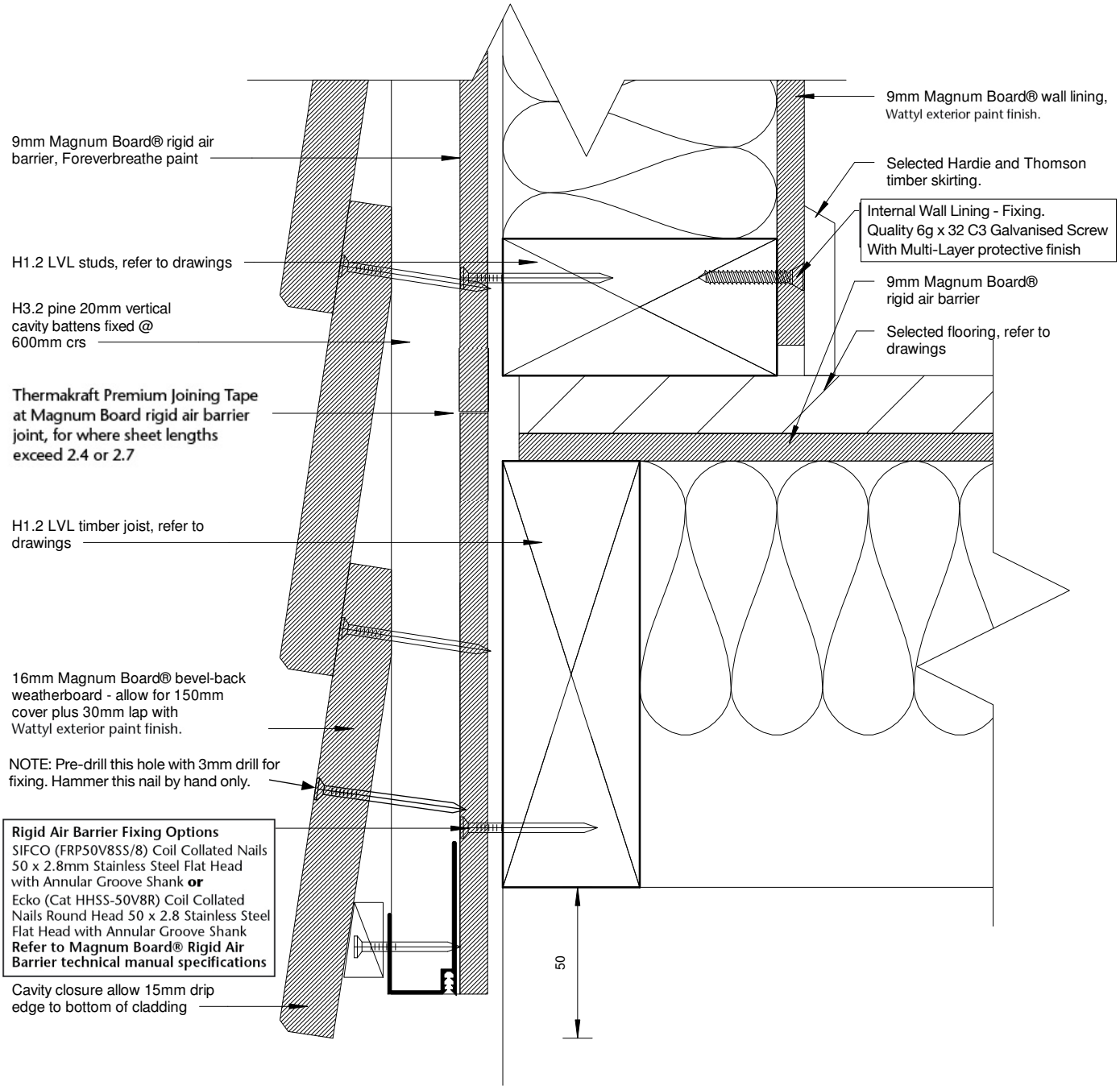
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Health Based Building Magnum Board 16mm Weatherboard

Concrete Foundation Detail (Cavity)

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Timber Foundation Cavity Detail

1 : 2

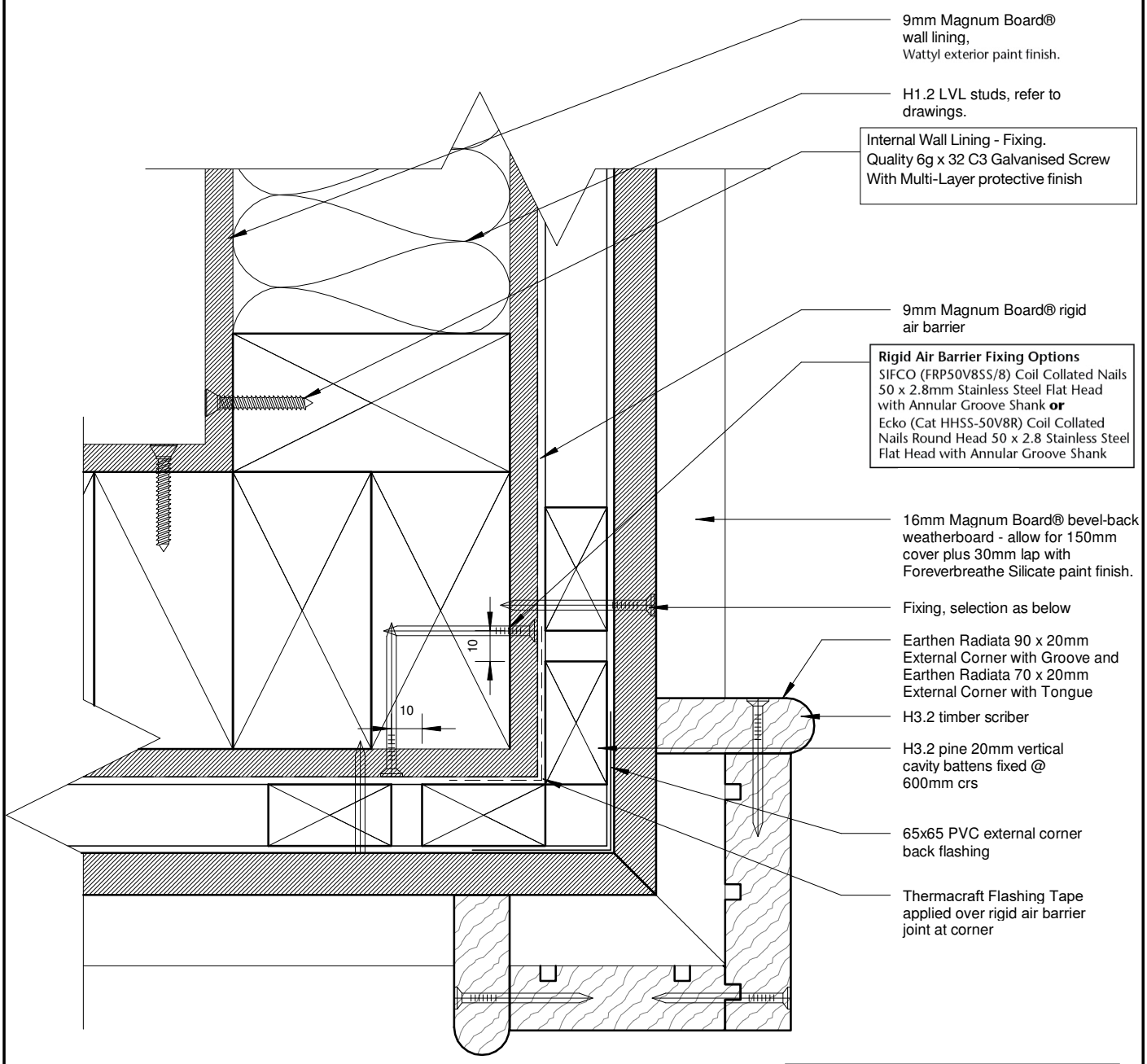
WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or**
Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

Health Based Building Magnum Board 16mm Weatherboard

Timber Foundation Detail (Cavity)

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150mm 100 50 0 10mm
13/12/2019 2:59:00 PM
GRAPHIC SCALES



WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

External Cavity Boxed Corner Detail

1 : 2

HEALTH BASED BUILDING™ natural selection

Health Based Building Magnum Board 16mm Weatherboard

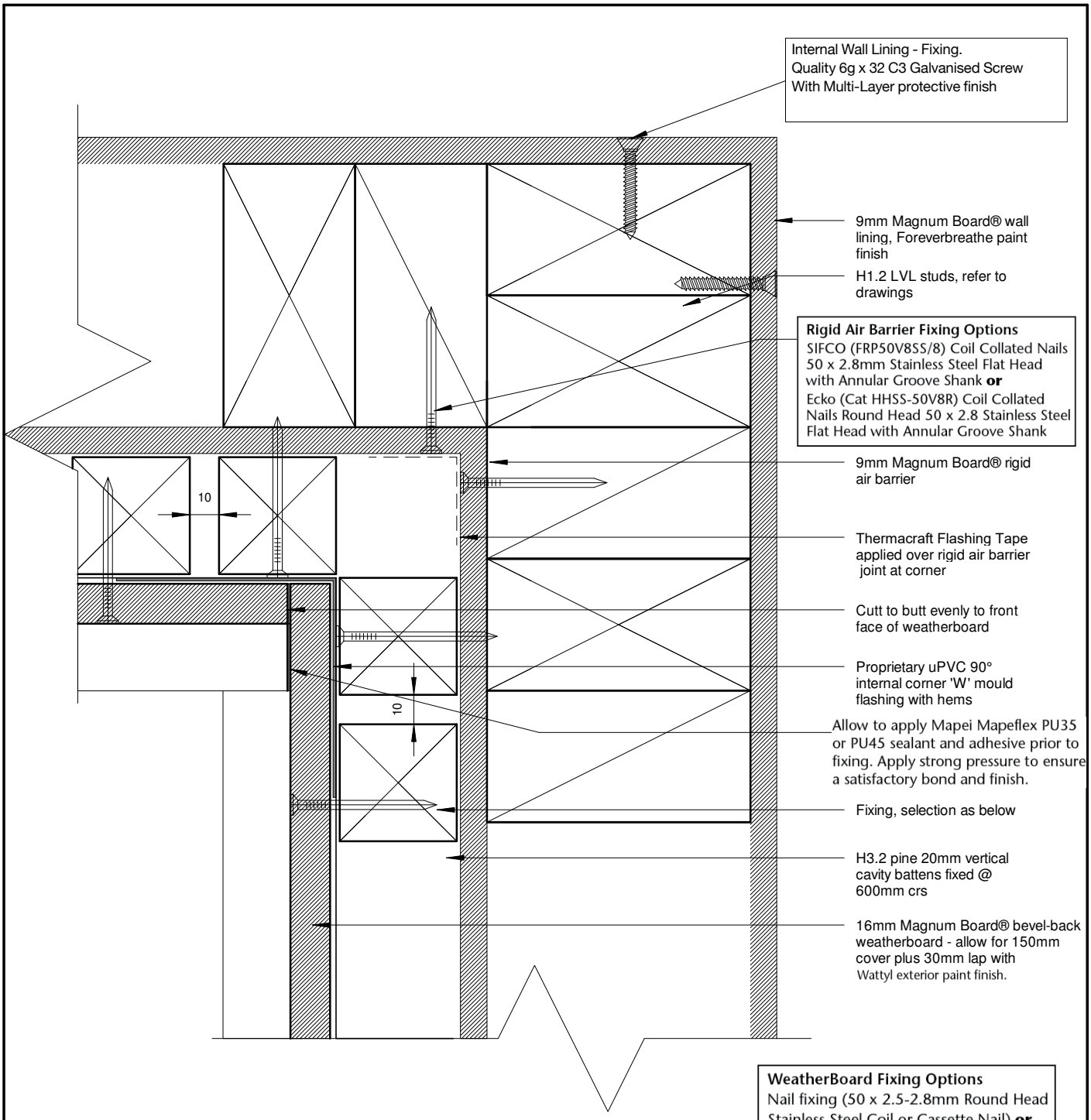
External Boxed Corner Detail (Cavity)

AP design

GRAPHIC SCALES

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13/12/2019 2:59:00 PM



Internal Corner Cavity Detail

1 : 2

150mm
100
50
0 10mm

13/12/2019 2:59:00 PM

HEALTH BASED BUILDING™ natural selection

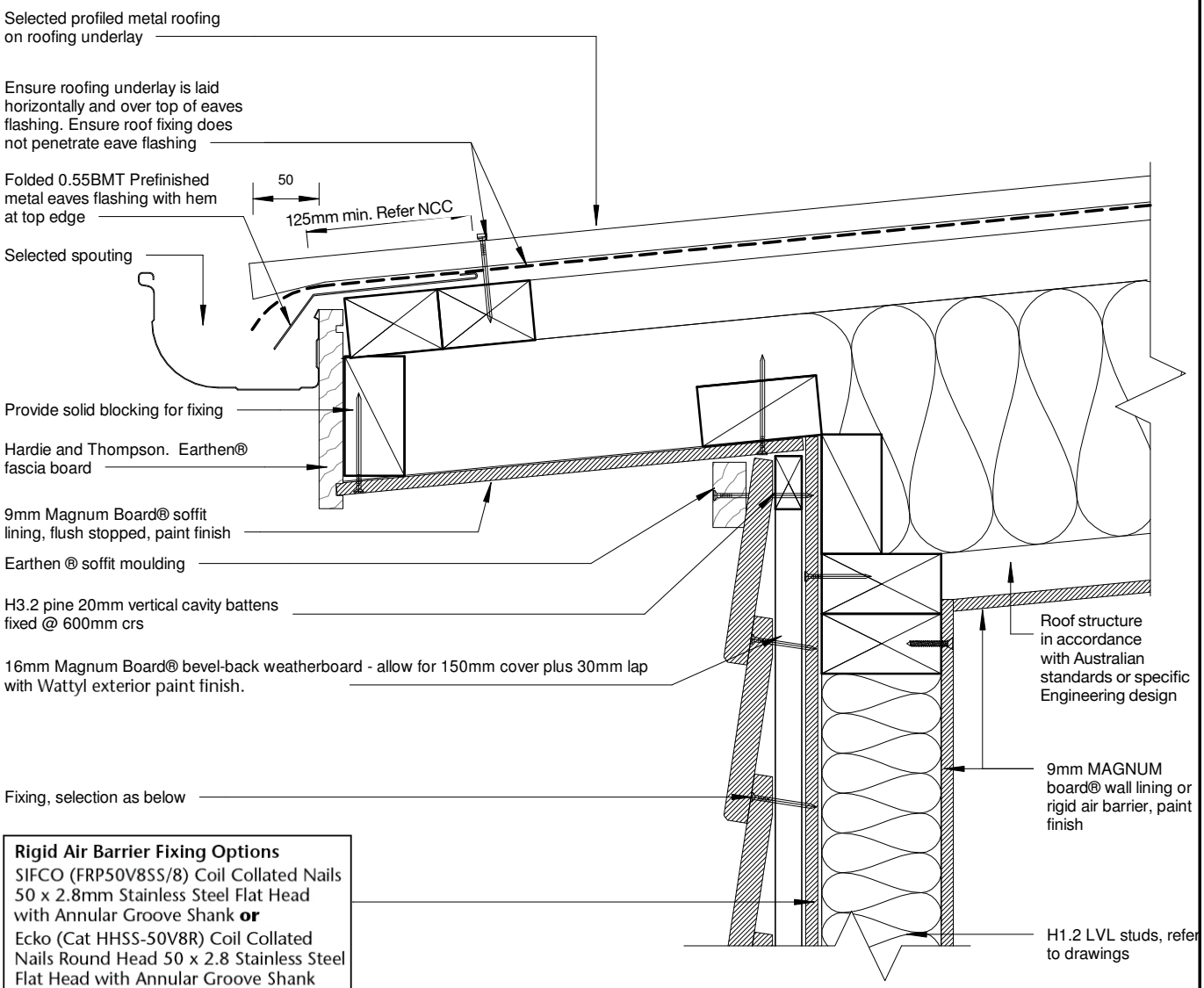
Health Based Building Magnum Board 16mm Weatherboard

Internal Corner Detail (Cavity)

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Rigid Air Barrier Fixing Options
SIFCO (FRP50V8SS/8) Coil Collated Nails 50 x 2.8mm Stainless Steel Flat Head with Annular Groove Shank **or**
Ecko (Cat HHSS-50V8R) Coil Collated Nails Round Head 50 x 2.8 Stainless Steel Flat Head with Annular Groove Shank
Refer to Magnum Board® Rigid Air Barrier technical manual specifications

WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or**
Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive Pre-Bore Tip - Stainless Steel 316

Internal Wall Lining - Fixing.
Quality 6g x 32 C3 Galvanised Screw
With Multi-Layer protective finish

Eave - Section Cavity Detail

1 : 5

0 10mm 50 100 150mm

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HEALTH BASED BUILDING™ natural selection

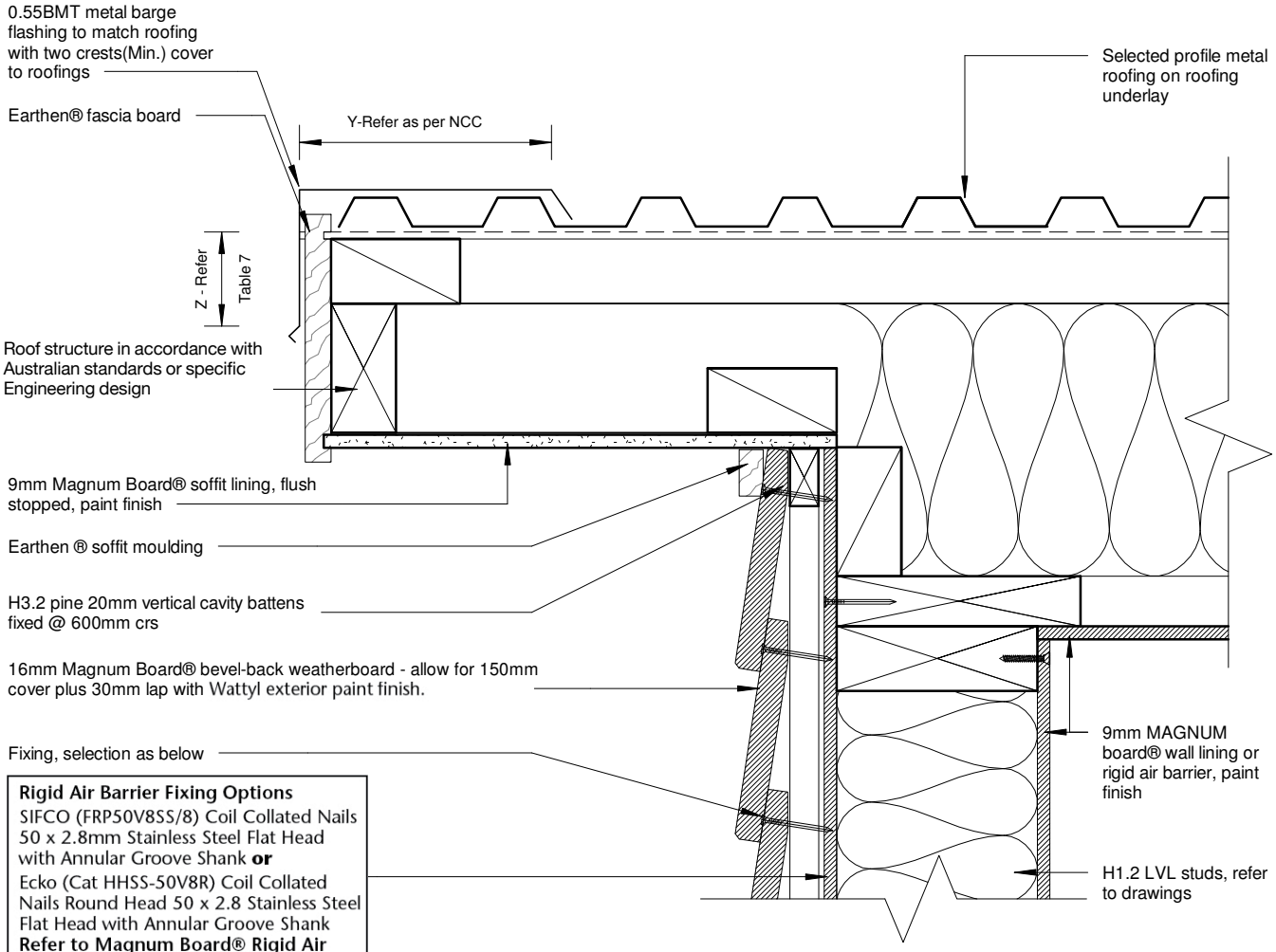
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Eave Section Detail (Cavity)

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Rigid Air Barrier Fixing Options
SIFCO (FRP50V8SS/8) Coil Collated Nails 50 x 2.8mm Stainless Steel Flat Head with Annular Groove Shank **or**
Ecko (Cat HHSS-50V8R) Coil Collated Nails Round Head 50 x 2.8 Stainless Steel Flat Head with Annular Groove Shank
Refer to Magnum Board® Rigid Air Barrier technical manual specifications

WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or**
Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive Pre-Bore Tip - Stainless Steel 316

Barge - Sectional Cavity Detail

1 : 5

150mm 100 50 0 10mm

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HEALTH BASED BUILDING™ natural selection

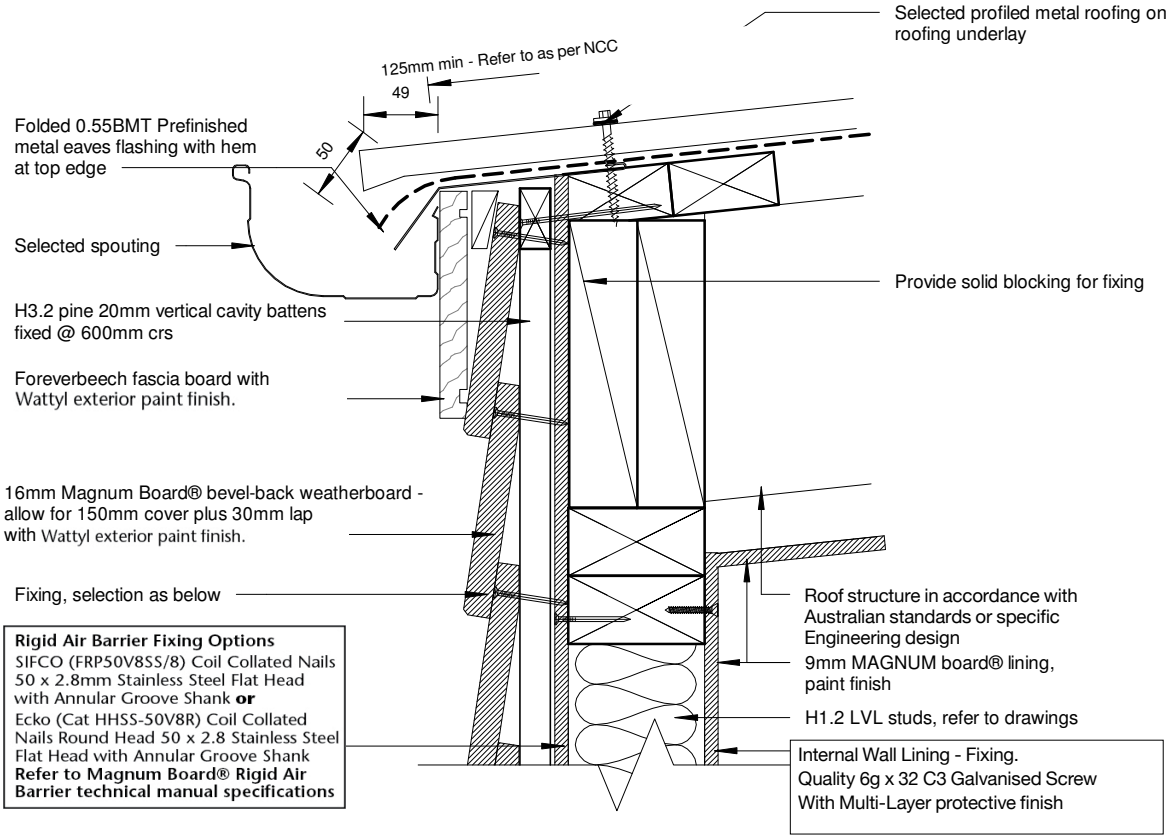
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Barge - Section Detail (Cavity)

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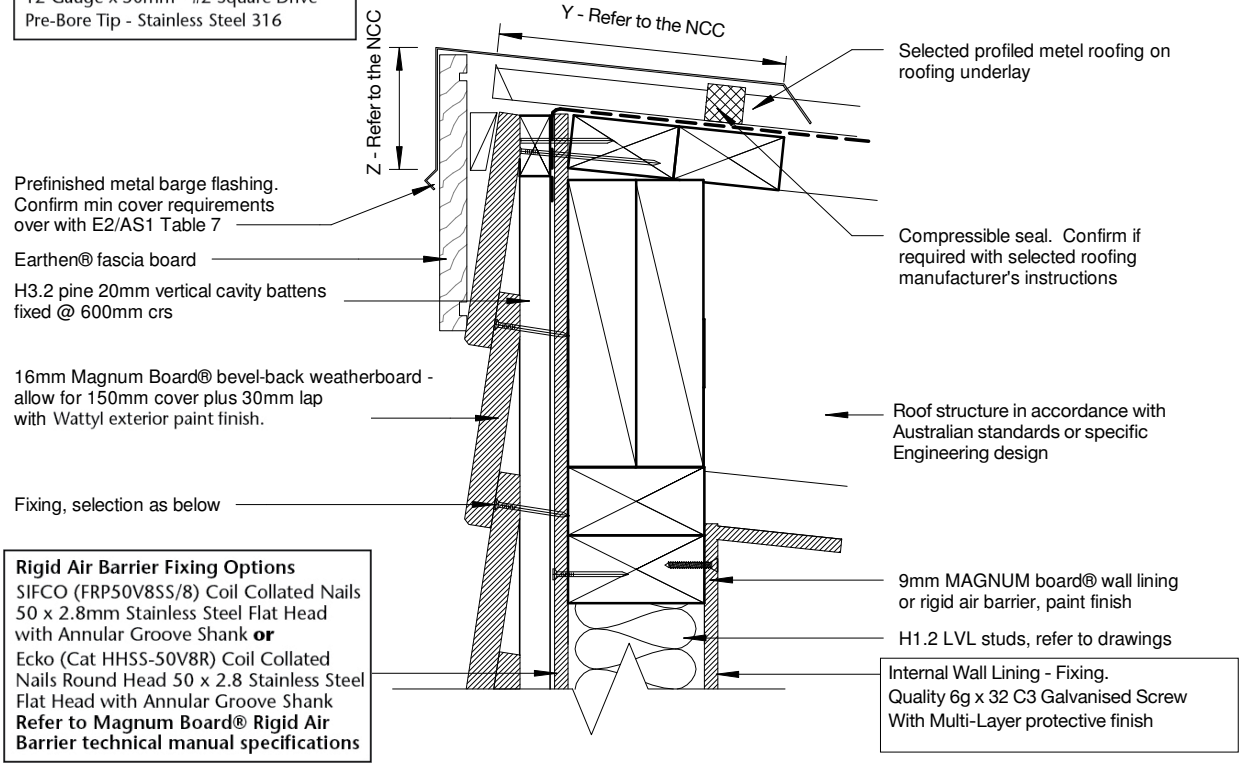
GRAPHIC SCALES

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Barge - No Soffit Cavity Detail

1 : 5



Roof - Wall ridge - Section Cavity Detail

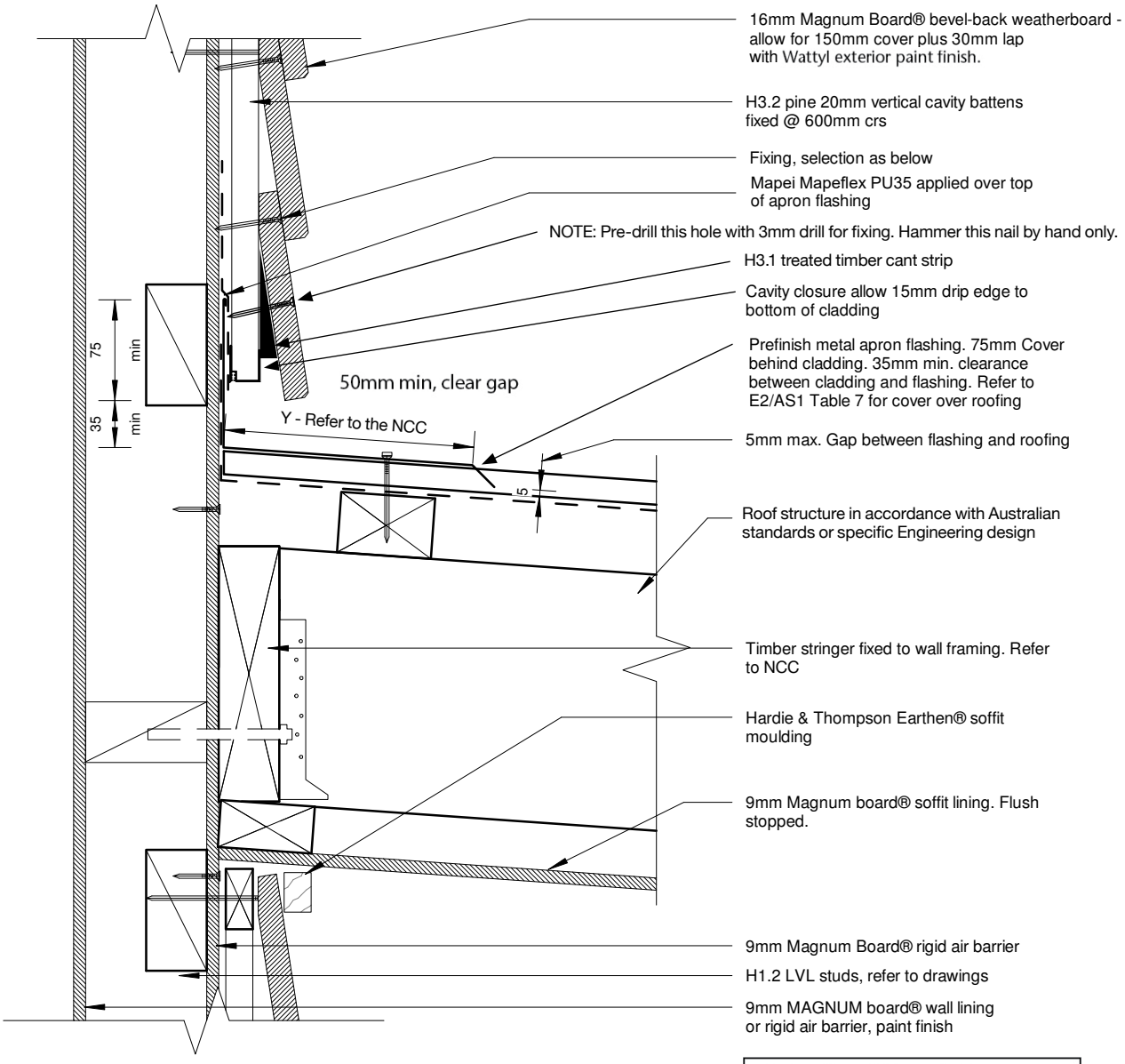
1 : 5

Health Based Building Magnum Board 16mm Weatherboard

Roof - Wall Ridge - Section Detail (Cavity)

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GRAPHIC SCALES
0 10mm 50 100 150mm
13/12/2019 2:59:02 PM



WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or** Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive
Pre-Bore Tip - Stainless Steel 316

Canopy Junction - Section Cavity Detail

1 : 5

150mm
100
50
0 10mm

13/12/2019 2:59:03 PM

HEALTH BASED BUILDING™ natural selection

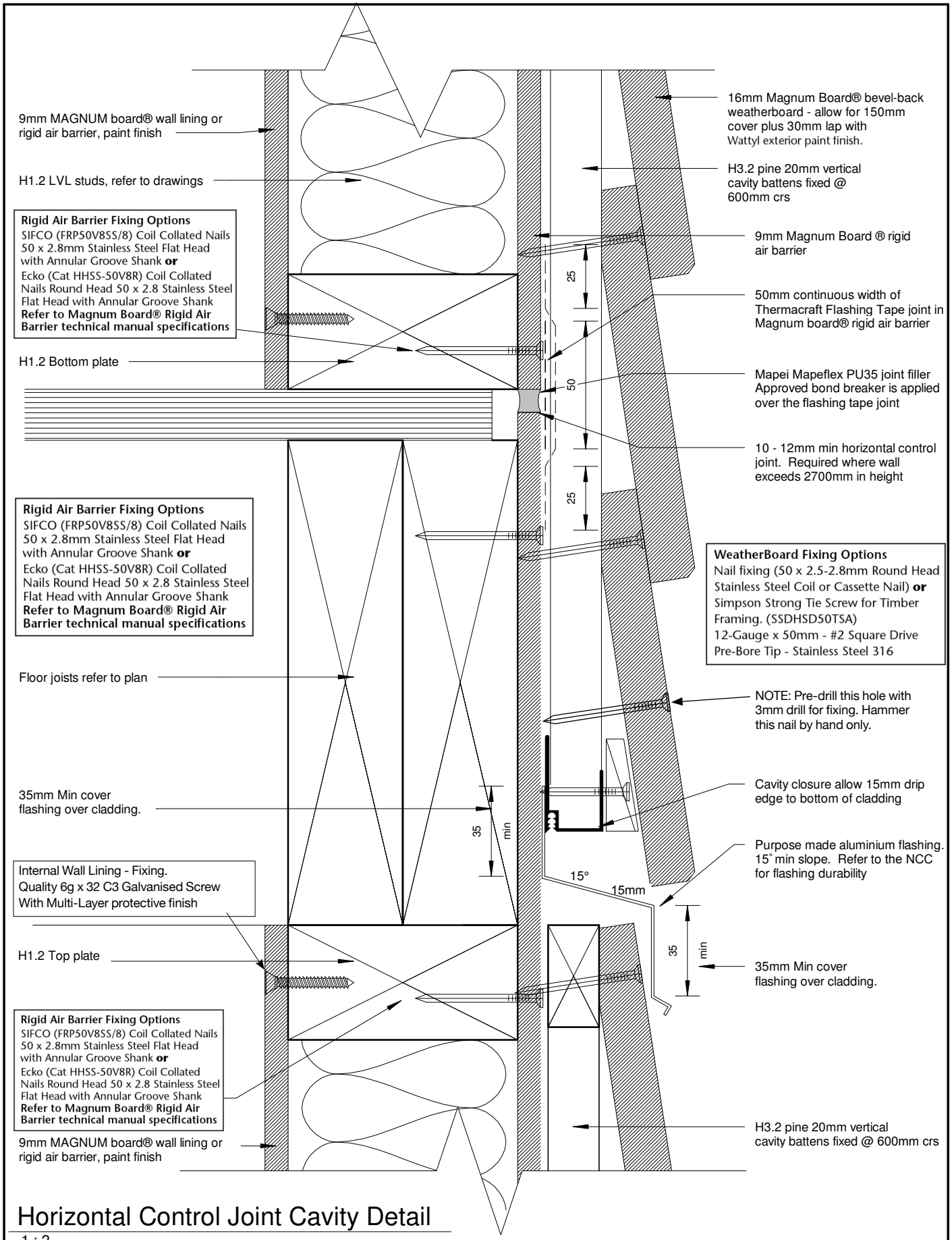
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Canopy Junction - Section Detail (Cavity)

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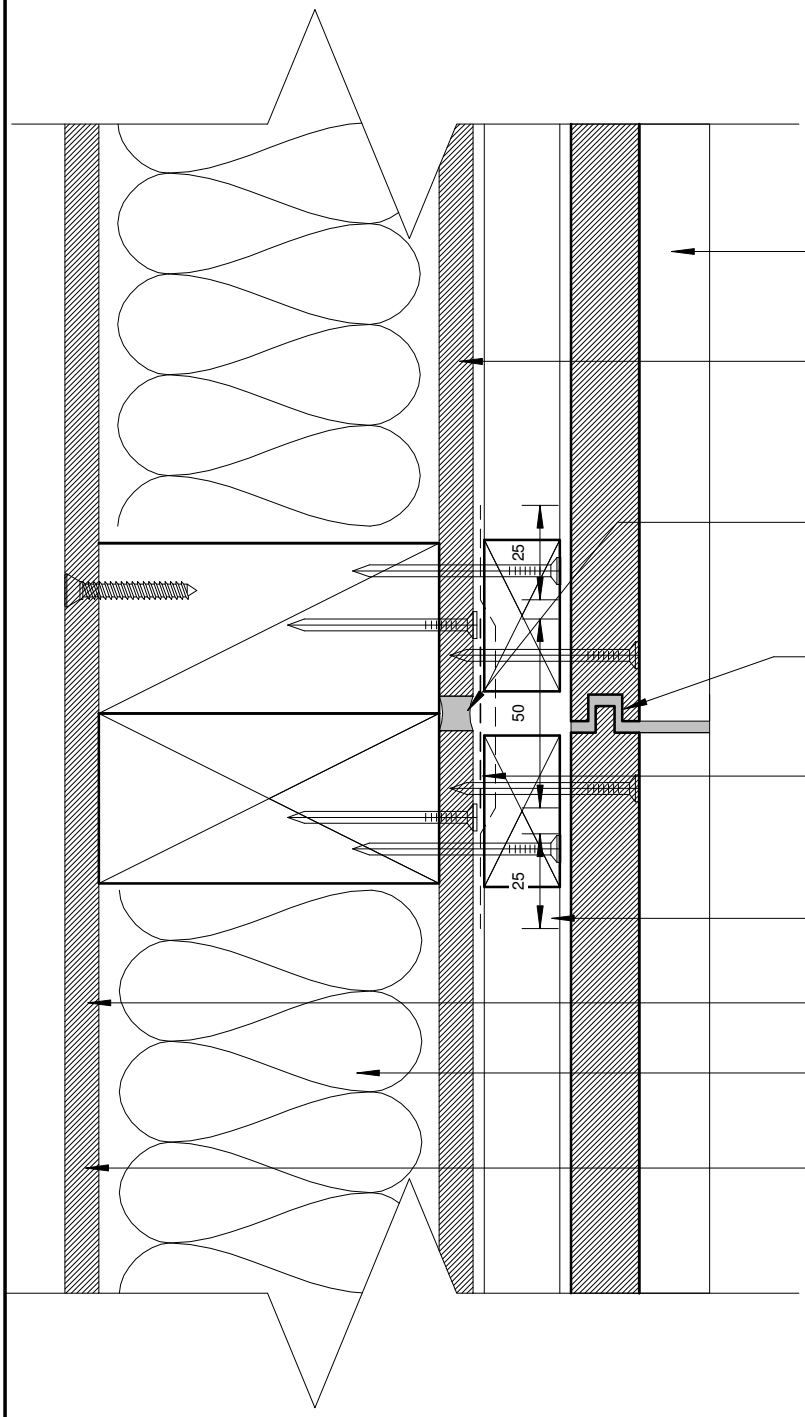
Horizontal Control Joint Cavity Detail

1 : 2

Health Based Building Magnum Board 16mm Weatherboard

Horizontal Control Joint Detail (Cavity)

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16mm Magnum Board® bevel-back weatherboard - allow for 150mm cover plus 30mm lap with Foreverbreathe Silicate paint finish.

Rigid Air Barrier Fixing Options
SIFCO (FRP50V8SS/8) Coil Collated Nails 50 x 2.8mm Stainless Steel Flat Head with Annular Groove Shank **or**
Ecko (Cat HHSS-50V8R) Coil Collated Nails Round Head 50 x 2.8 Stainless Steel Flat Head with Annular Groove Shank
Refer to Magnum Board® Rigid Air Barrier technical manual specifications

10 - 12mm min vertical control joint. Required where wall exceeds 6m in length. Fill with Mapei Mapeflex PU35 joint filler continuous bead of sealant

Ensure a continuous bead of Mapei PU35 or Mapei PU45 adhesive is applied to the back edge of the male T&G portion before male and female portions are connected. NOTE: Do not apply excessive volumes as any adhesive that spreeds to the face of the weatherboard will negatively effect the paint finish.

50mm continuous width of Thermacraft Flashing Tape over joint in Magnum RAB board

H3.2 pine 20mm vertical cavity battens fixed @ 600mm crs

9mm MAGNUM board® wall lining or rigid air barrier, paint finish

H1.2 LVL studs, refer to drawings

Internal Wall Lining - Fixing.
Quality 6g x 32 C3 Galvanised Screw
With Multi-Layer protective finish

Vertical Control Joint on Cavity

1 : 2

150mm
100
50
0 10mm

13/12/2019 2:59:04 PM

HEALTH BASED BUILDING™ natural selection

Health Based Building Magnum Board 16mm Weatherboard

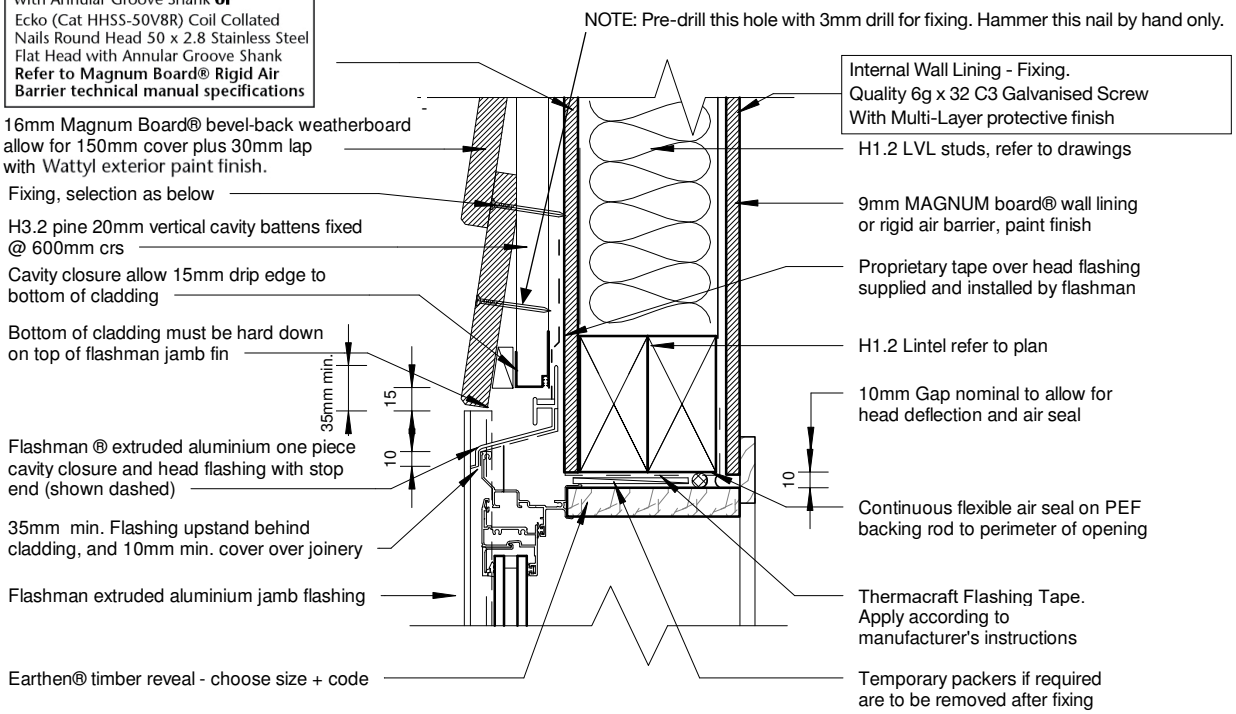
Vertical Control Joint Detail (Cavity)

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GRAPHIC SCALES

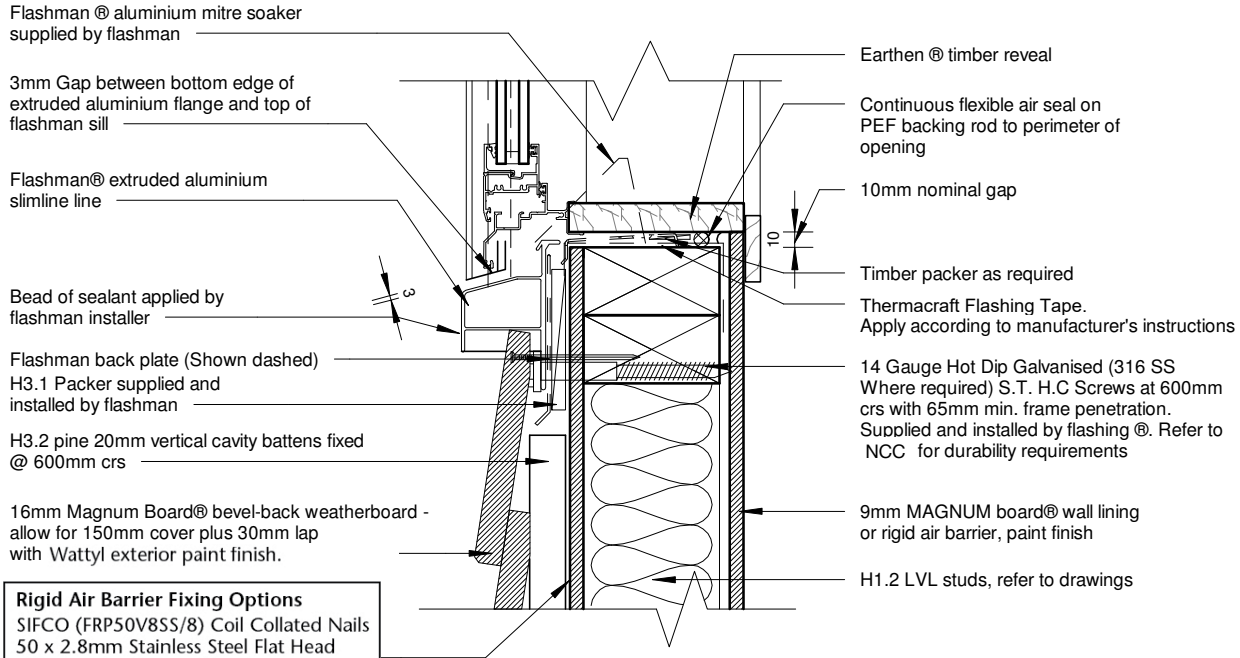
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Rigid Air Barrier Fixing Options
SIFCO (FRP50V8SS/8) Coil Collated Nails 50 x 2.8mm Stainless Steel Flat Head with Annular Groove Shank **or**
Ecko (Cat HHSS-50V8R) Coil Collated Nails Round Head 50 x 2.8 Stainless Steel Flat Head with Annular Groove Shank
Refer to Magnum Board® Rigid Air Barrier technical manual specifications



WeatherBoard Fixing Options
Nail fixing (50 x 2.5-2.8mm Round Head Stainless Steel Coil or Cassette Nail) **or**
Simpson Strong Tie Screw for Timber Framing. (SSDHSD50TSA)
12-Gauge x 50mm - #2 Square Drive Pre-Bore Tip - Stainless Steel 316

Typical Head Cavity Detail
1 : 5



Rigid Air Barrier Fixing Options
SIFCO (FRP50V8SS/8) Coil Collated Nails 50 x 2.8mm Stainless Steel Flat Head with Annular Groove Shank **or**
Ecko (Cat HHSS-50V8R) Coil Collated Nails Round Head 50 x 2.8 Stainless Steel Flat Head with Annular Groove Shank
Refer to Magnum Board® Rigid Air Barrier technical manual specifications

Typical Sill Cavity Detail
1 : 5

0 10mm 50 100 150mm

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HEALTH BASED BUILDING™ natural selection

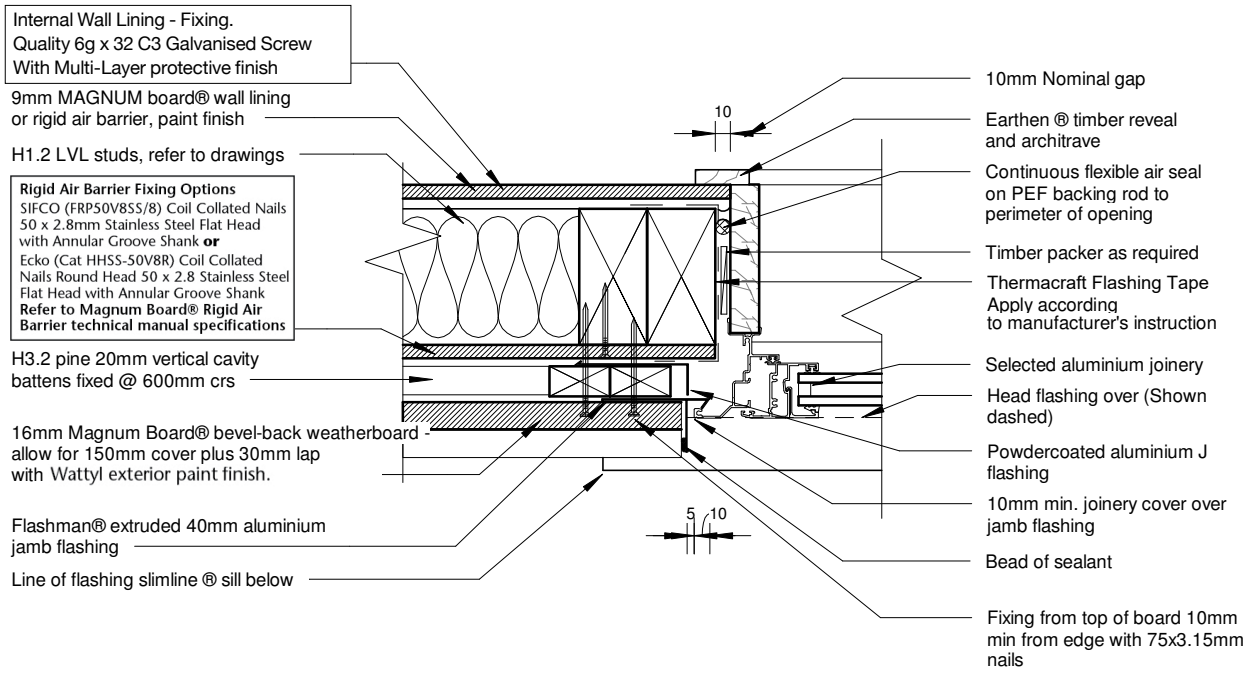
Health Based Building Magnum Board 16mm Weatherboard

Typical Head and Sill Detail (Cavity)

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DO NOT FIX THROUGH JAMB FLASHING

Typical Jamb Cavity Detail

1 : 5

150mm
100
50
0 10mm

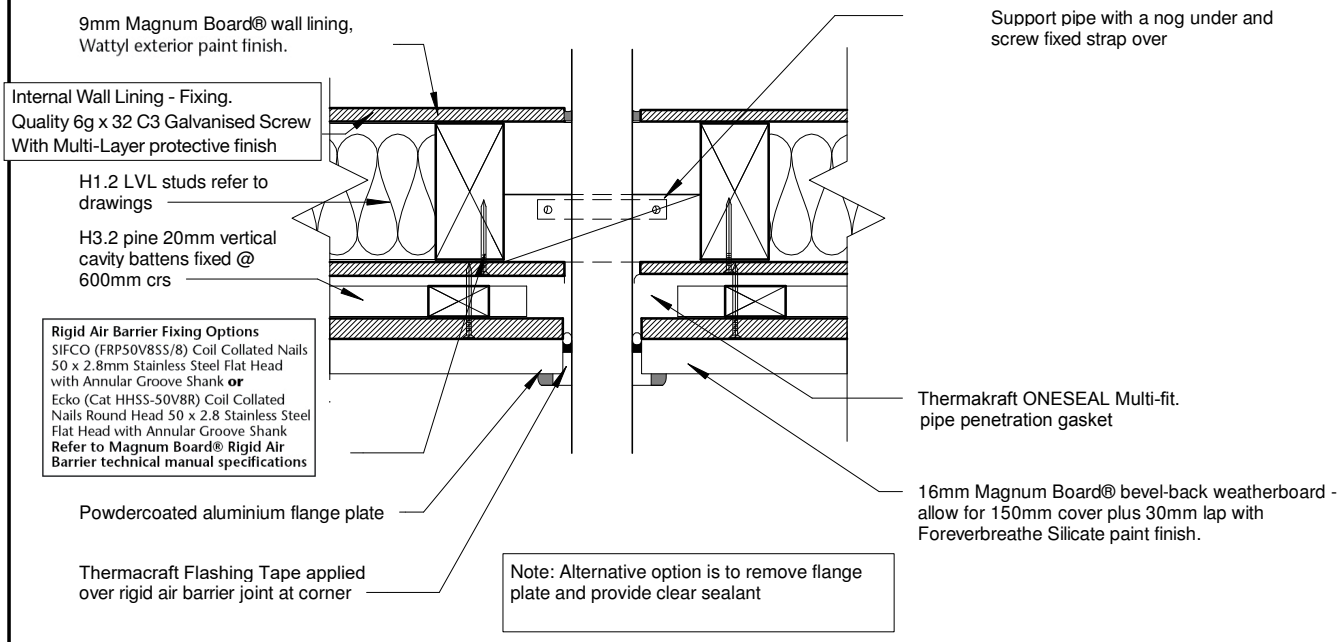
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Health Based Building Magnum Board 16mm Weatherboard

Typical Jamb Detail (Cavity)

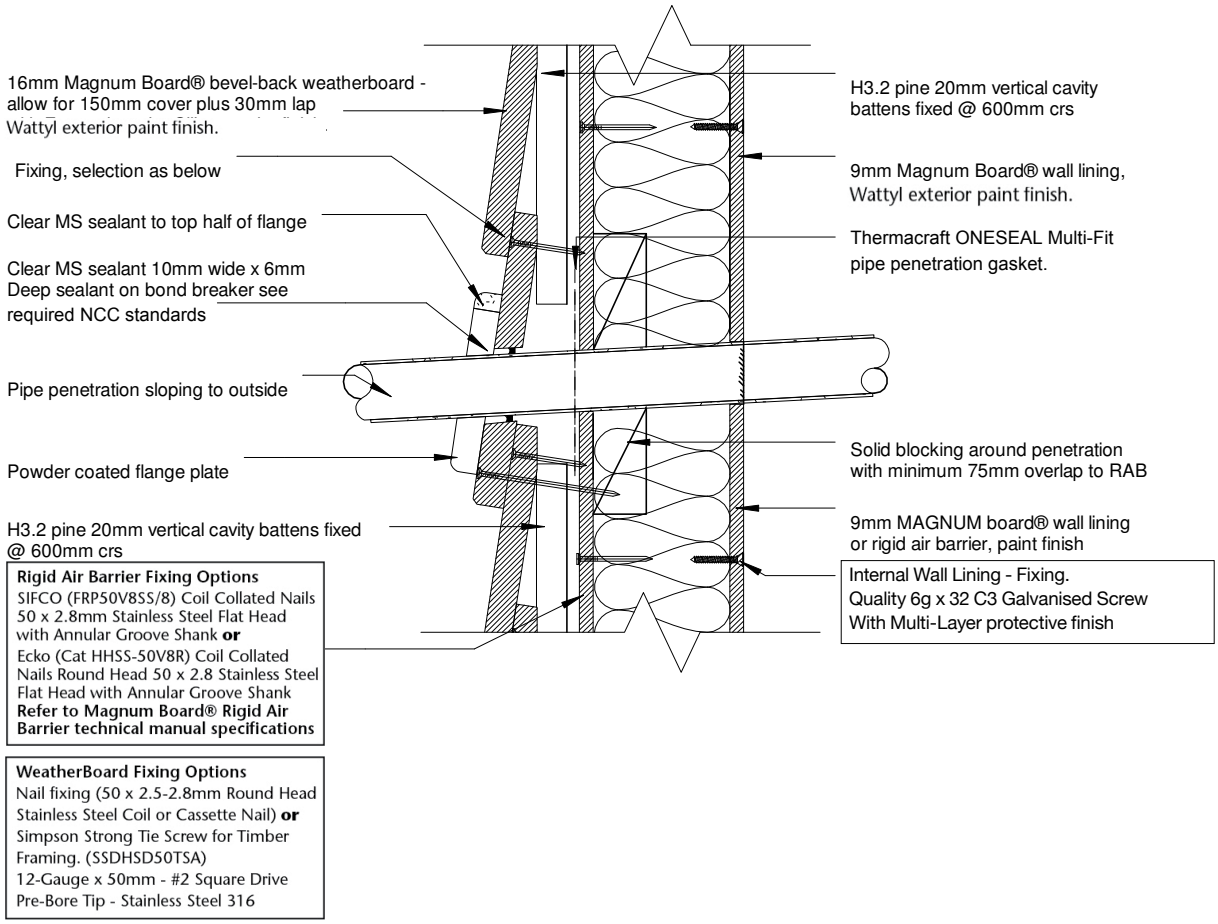
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GRAPHIC SCALES



Pipe Penetration Plan Cavity Detail

1 : 5



Pipe Penetration Section Cavity Detail

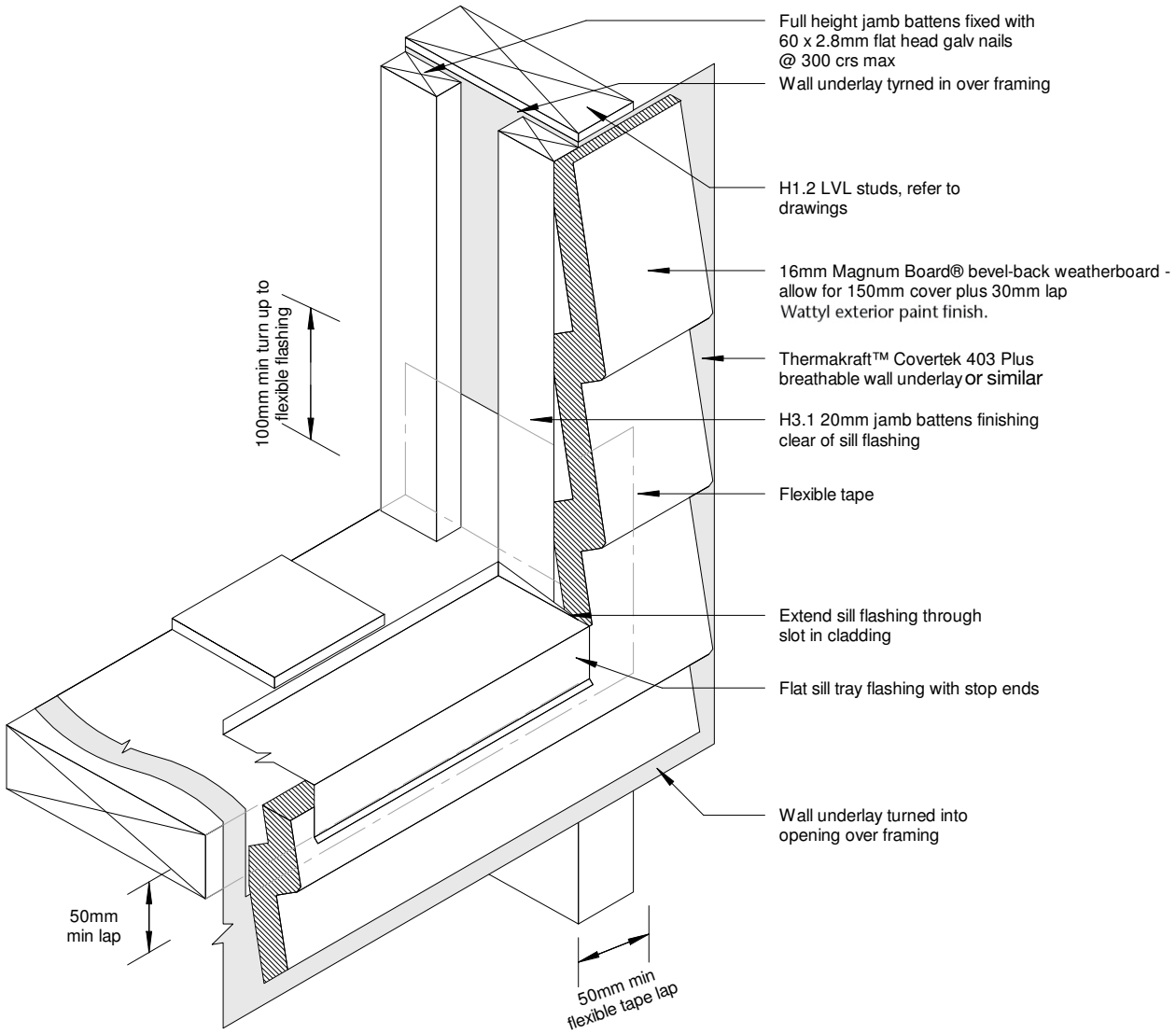
1 : 5

Health Based Building Magnum Board 16mm Weatherboard

Pipe Penetration - Plan & Section Detail (Cavity)

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GRAPHIC SCALES
150mm
100
50
0 10mm
13/12/2019 2:59:06 PM



Typical Door/Window Opening

Health Based Building Magnum Board 16mm Weatherboard

Typical Door/Window Opening (Cavity)

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GRAPHIC SCALES
150mm
100
50
0 10mm
13/12/2019 2:59:06 PM

MAGNUM BOARD MSDS

SECTION 1 : PRODUCT INFORMATION

Products :

Magnum Board External Corners 90/70 x 16 x 3.0 Set
Magnum Board Flooring T&G 2700X600X18
Magnum Board Rebated Edge 2.4 X 1.2 X 9
Magnum Board Rebated Edge 2.7 X 1.2 X 12
Magnum Board Rebated Edge 2.7 X 1.2 X 9
Magnum Board Rebated Edge 3.0 X 1.2 X 12
Magnum Board Rebated Edge 3.0 X 1.2 X 9
Magnum Board Shiplap WBD 210 X 16 X 3.0
Magnum Board Square Edge 2.4 x 1.2 x 12
Magnum Board Square Edge 2.4 x 1.2 x 18
Magnum Board Square Edge 2.4 X 1.2 X 9
Magnum Board Square Edge 2.7 X 1.2 X 12
Magnum Board Square Edge 2.7 X 1.2 X 9
Magnum Board Square Edge 3.0 X 1.2 X 12
Magnum Board Square Edge 3.0 X 1.2 X 9
Magnum Board WBD Smooth 3600X180X16

Use :

- **Exterior** : Sheathing, ceiling board, drop ceiling, siding, cladding and trim material
- **Interior** : Wallboard, ceiling board, tile backer board, underlayment and trim materials.
- **Systems** : Structural Insulated Panels (SIPS)
  : Exterior Insulated Finish Systems (EIFS)

Other uses : https://www.mccormacksaustralia.com.au/

SECTION 2 : COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Hazard Class
Magnesium Oxide	1309-48-4	None
Magnesium Chloride	7786-30-3	None
Cellulose	9004-34-6	None
Perlite	93763-70-3	None
Proprietary Additives	N / A	None
Fibreglass Scrim	65997-17-3	None

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SECTION 3 : HAZARDS IDENTIFICATION

Emergency Contact: (03) 9701 2777 43
43-45 Overseas Drive, Noble Park, North Vic, 3174
sales@mccormacksaustralia.com.au

Emergency Overview :

- Non-toxic, non-explosive, not a fire hazard.

Primary Routes of Entry :

Eyes :

- Dust may irritate the eyes from mechanical abrasion causing watering and redness.

Skin :

- Dust may cause irritation of the skin from friction but cannot be absorbed through intact skin.

Ingestion :

- Unlikely under normal conditions of use, but swallowing the dust from this product may result in irritation to the mouth and gastrointestinal tract.

Inhalation :

- Dust may cause irritation of the nose, throat, and airways, resulting in coughing and sneezing.
- Certain susceptible individuals may experience wheezing (spasms of the bronchial airways) on inhaling dust during sanding or sawing operations.

SECTION 4 : FIRST AID MEASURED

Eyes :

- Remove contact lens. Flush with running water or saline for at least 15 minutes.
- Seek medical attention if redness persists or if visual changes occur.

Skin :

- Wash with mild soap and water.
- Contact physician if irritation persists or later develops.

Ingestion :

- If ingested, dilute by drinking large amounts of water.
- Do not induce vomiting.
- Seek medical attention.
- If unconscious, loosen tight clothing and lay the person on his / her side.
- Give nothing by mouth to an individual who is not alert and conscious.
- Seek medical attention.

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Inhalation :

- Remove person to fresh air.
- If shortness of breath or wheezing develops, seek medical attention.

Notes to Physician or First Aid Providers :

- Treat symptomatically.

SECTION 5 : FIRE-FIGHTING MEASURES

Magnum™ Building Products line of “Magnum Board®” Products are non flammable, non explosive and non combustible.

Fire and Explosion Hazard :

- Flash Point : Not applicable.
- Auto-ignition : Not applicable.

Extinguishing Media :

- This material is non combustible.
- Appropriate extinguishing media should be used for surrounding fire.

Fire Fighting :

- Fire fighting personnel should wear normal protective equipment.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

No special precautions are necessary to pick up product that has been dropped. The following applies only to spills or releases of dust generated during cutting or sanding Magnum Board®.

Precautions :

- Good housekeeping practices are necessary for cleaning up areas where dust has been produced. Take measures to either eliminate or minimise the creation of dust.
- Wherever possible, practices likely to generate dust should be controlled with engineering controls such as local exhaust ventilation, dust suppression with water and containment, enclosure or covers.

Cleanup Methods :

- A fine water spray may be used to suppress dust when sweeping - dry sweeping is not recommended. Vacuuming with an industrial vacuum cleaner outfitted with a high-efficiency particulate (HEPA) filter is recommended over sweeping. Waste may be disposed of by landfill in compliance with federal, provincial, state and local requirements governing non-toxic mineral materials.
- Avoid using materials and products that are incompatible with this product. (Refer to section 10.)

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SECTION 7 : HANDLING AND STORAGE

Handling and Storage Products in their intact state do not present a health hazard. The controls below apply to dust generated from the boards by cutting, drilling, routing, sawing, crushing, or otherwise abrading, and cleaning or moving sawdust.

Other Precautions :

- Even though Magnum Board® has been tested and deemed non toxic, Magnum Building Products recommends that exposure to dust be kept as low as reasonably possible.
- Respirable levels should not exceed those specified by OSHA and MSHA and identified in this MISDS. Exposure to respirable (fine) dust depends on a variety of factors, including activity rate (i.e. cutting rate), method of handling (i.e. electric shears), environmental conditions (i.e. weather conditions, workstation orientation) and control measures used.
- Wherever possible, practices likely to generate dust should be carried out in well ventilated areas (i.e. outside). The work practices and engineering controls set out in Section 8 should be followed as precautions to reduce dust exposures.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Cutting Outdoors :

- Magnum Building Products recommends positioning cutting station so that wind will blow dust away from user or others in working area and allow for ample dust dissipation.
- Use one of the following methods based on the required cutting rate and job site conditions.
    - Best :
        - Score and snap using carbide-tipped scoring knife or utility knife (Ability to use this method depends on thickness of Magnum Board® being installed.)
        - Fibre-cement board shears (electric or pneumatic).
    - Better :
        - Dust reducing circular saw equipped with appropriate blade and HEPA vacuum extraction.
    - Good : (for low to moderate cutting only)
        - Dust reducing circular saw with appropriate saw blade.
        - Always use correct tools when executing cutting operations.

Ventilation :

- Use adequate general or local exhaust ventilation to keep airborne
- concentrations below the permissible exposure limit.

Respiratory Protection :

- Dust mask is recommended.

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Eye Protection :

- When cutting material, dust resistant safety goggles / glasses should be worn
- and used in compliance with ANSI Standard Z87.1-1-1989 and applicable
- OSHA (i.e. 29 CFR 1910.133) standards.

Skin Protection :

- Loose comfortable clothing should be worn. Magnum Building Products recommends that direct skin contact with dust and debris be avoided when possible by wearing long sleeved shirts and long trousers, a cap or hat, and gloves.

Sanding / Drilling / Other Machining :

- If sanding, drilling, or other machining is conducted, Magnum Building Products recommends wear a NIOSH-approved dust mask.

Important Notes :

- For maximum protection (lowest respirable dust production), Magnum Building Products recommends always using **"Best"** level cutting methods where feasible.
- Always use a circular saw blade that is appropriate for the specific operation being undertaken.
- Dry sweeping is not the preferred clean up method - Magnum Building Production suggests wet suppression methods or HEPA vacuum.
- It is not recommended that a grinder or continuous rim diamond blade be used for cutting.
- Always follow tool manufacturer's safety recommendations.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance :

  - Various colours depending on application, each with varying dimensions according to product used.
- Odour :
  - Very mild
- Physical State :
  - Solid sheets
- Vapour Pressure :
  - Not relevant.
- Specific Gravity :
  - Not relevant.
- Flammability Limits :
  - Not relevant.
- Boiling Point :
  - Not relevant

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- Melting Points :
  - Not relevant.
- Flash Point :
  - Not relevant.
- Auto-ignition Temperature :
  - Not relevant.
- Volatility :
  - Not relevant.
- Solubility in Water :
  - Not relevant.
- Evaporation rate :
  - Not applicable.

NFPA Ratings (Scale 0 – 4)

- Health = 1
- Flammability = 0
- Reactivity = 0
- Personal Protection = E.

SECTION 10 : STABILITY AND REACTIVITY

Stability :

The Magnum Board® products identified in section 1 are stable under ordinary conditions.

Conditions to Avoid :

- Excessive dust generation without proper dust mask protection.

Materials to Avoid :

Incompatibility :

- Hydrofluoric acid will dissolve Magnesium Oxide and can generate Magnesium Chloride fumes.

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SECTION 11 : TOXICOLOGICAL INFORMATION

Magnum Board® products are non toxic in their intact form. The following applies to dust that may be generated during cutting and sanding.

Chronic Effects :

Inhaled :

- Repeated and prolonged overexposures to dust may cause increased risk of bronchitis. It is possible that repeated inhalation exposure to Magnum Board® fibre dust over time may lead to inflammation of the lungs in humans.
- All necessary precautions should be taken to prevent inhalation of dust to prevent these problems.

Inhalation :

- Remove to fresh air.
- If shortness of breath or wheezing develops, seek medical attention.

SECTION 12 : ECOLOGICAL INFORMATION

Because Magnesium Oxide is a naturally-occurring material, releases that may occur into the environment are not expected to leave any hazardous material that could cause a significant adverse impact.

SECTION 13 : DISPOSAL CONSIDERATIONS

Disposal of material as an inert, inorganic mineral - in conformance with federal, provincial, state and local regulations. Magnum Board® is not an RCRA hazardous waste.

SECTION 14 : TRANSPORT INFORMATION

There are no special requirements for storage and transport of Magnum Board®.

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SECTION 15 : REGULATORY INFORMATION

UN No.	None allocated
Dangerous goods class	None allocated
Hazchem code	None allocated
Poisons schedule	None allocated
Packing group	None allocated
Label	Not a DOT hazardous material

DOT hazard classification	None
Placard requirement	Not a DOT hazardous material
Listed substance	No
Unlisted substance	No
Reportable quantity (RQ)	No
Charachteristics	Not applicable
RCRA waste number	Not applicable

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SECTION 16 : OTHER INFORMATION

Preparation of Information and Disclaimer :

This form has been prepared to meet current Federal OSHA hazard communication regulations and is offered without any warranty or guarantee of any type. Magnum Building Products cannot control the use of its products, and therefore specifically disclaims liability and responsibility arising from the use, misuse and/ or alteration of its products.

The information contained in this MSDS was produced without independent scientific or medical studies analysing the effects of Magnum Board® dust upon human health. The information contained herein is based upon scientific and other data Magnum Building Products believes is valid and reliable and provides the basis for this MSDS. The information contained herein relates only to specific materials listed in the document. It does not address the effects of Magnum Board® dust when used in combination with other materials or substances, or when used in other processes. Because conditions of use are beyond Magnum Building Products control, the company makes no representations, guarantees or warranties, either express or implied warranties as to the fitness of the product for use, and assume no liability related to the information contained above.

Magnum Building Products requires, as a condition of use of its products, that purchasers comply with all applicable Federal, Provincial, State, and Local health and safety laws, regulations, orders, requirements, and strictly adhere to all instructions and warnings which accompany the product.

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UN No.	None allocated
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RCRA waste number	Not applicable

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