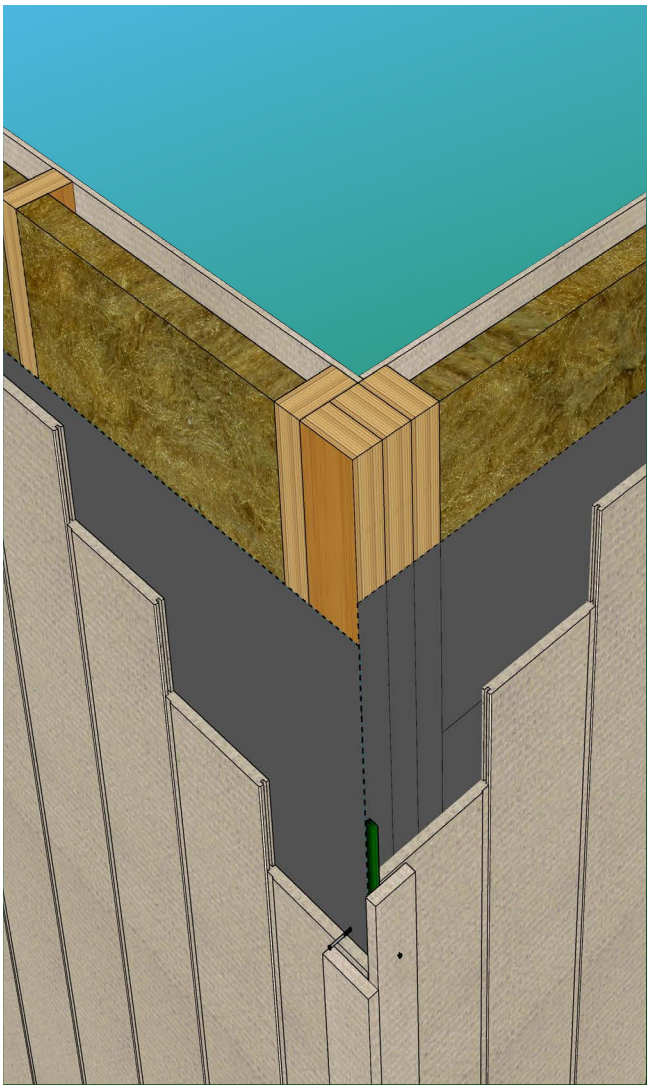
MB16210TG Shiplap has been connected to independent testing by Firelab www.firelab.co.nz in achieving 90/90/90 fire resistance when installed as exterior cladding in a boundary wall system. The construction guide also provides reference to SNAP Fire Collars www.snapcollars.com.au when the design requires exterior penetrations. Design considerations must be conducted by those considered to be experts in their field. Any attempt to alter the design principles represented in this document must be represented to Heath Based Building for comment.

MAGNUM® BOARD
INSTALLATION GUIDE



FEATURES

- Low maintenance.
- Silica Free.
- Vapor permeable.
- Free of nasty chemicals.
- High impact resistance.
- High wind resistance.
- T&G side and end matching profiles.
- Mould and insect proof.
- Considered CO2 negative.
- Fully supported by independent test data.
- Suitable for use in Foreverbreathe™ Specification.
- Non-combustible with zero flame spread.
- Suitable for use in BAL-FZ locations.

MBShiplap16mm909090_v1.0
Date of Issue: 1/10/2025

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Noble Park North, VIC 3174
03 9701 2777
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www.mccormacksaustralia.com.au

MAGNUM BOARD™
16MM SHIPLAP
90/90/90

Contents

Products, Tools and Equipment Required 3

Before You Start 4-6

- Important Information
- Timber Framing Considerations
- Steel Framing Considerations
- Installer Responsibility
- Warranty
- Material Safety, Handling, Maintenance & Storage Requirements
- Period of Exposure
- Using Magnum Board in Relation to Other Manufacturers Products
- Surface Finishes
- Design Considerations

Installation Procedure - Cutting Magnum Board 7

- Cutting Magnum Board Guidelines

Installation Procedure 8

- Guidelines for installation Magnum Board® 16mm Shiplap

Installation Details - fixing 9

- 16mm Shiplap - Vertical Installation

Construction Details 10

- Concrete Foundation Detail 1
- Concrete Foundation Detail 2

Construction Details 11

- Timber Foundation - Joist at 90° to FRR Wall
- Timber Foundation - Joist Parallel to FRR Wall

Construction Details 12

- External Corner Detail
- Internal Corner Detail

Construction Details 13

- Eave Section Detail
- Barge Section Detail

Construction Details 14

- Barge No Soffit Section Detail
- Roof Wall Ridge Section Detail

Construction Details 15

- Canopy Junction Section Detail
- Horizontal Control Joint

Construction Details 16

- Vertical Control Joint
- Jamb Detail

Construction Details 17

- Head Detail
- Sill Detail

Construction Details 18

- Deck Threshold
- Fire Rating Services

Magnum Board Safety Data Sheets 19- 27

Pre-Installation & Post Installation Checklist 28

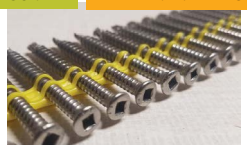
Products, Tools & Equipment Required

FIGURE 1 **STEEL FRAMING**



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

FIGURE 2 **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.**

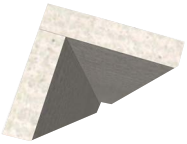
NOTE: Please avoid C3 screws in these environments. (use Class 4 or 316 stainless instead) Outside of these environments quality C3 galvanised screws with multi-layer protective finish can be used.

FIGURE 5



Magnum Board
16mm Shiplap
T&G Tops and Ends

FIGURE 6



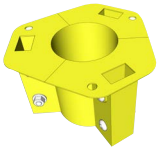
Magnum Board
Box Corner with Groove
90mmx16mm
External Corner with Tongue
70mmx20mm

FIGURE 7



ProctorWrap RW or equivalent fire rated performance flexible frame wrap

FIGURE 8



Snap Fire Collar

FIGURE 9



Mapei PU45 and/or
Mapei PU35

FIGURE 10



Makita Drill
Simpson Strong-Tie Drive with Quick Drive attachment
PROSDDM25K

FIGURE 11



Festool Cutting Equipment

FIGURE 12



HEPA Extraction System

FIGURE 13



Spirit Level 1.8M Minimum

FIGURE 14



Straight Edge 1.8M Minimum

FIGURE 15



MGO-54 Primer

FIGURE 16



MGO-56

FIGURE 17



40mm Spatula

FIGURE 18



Diamond Pro Fibre Cement Circular Saw Blade

FIGURE 19



Multi-Material Diamond Blade for Cut Off Saw

FIGURE 20



Diamond Pro
Diamond Hole Saw

Before You Start



IMPORTANT INFORMATION

NOTE: We recommend the Simpson Strong-Tie Stainless Steel 316 screws (refer to page 3) 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.

Shiplap 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 metre.

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 screws are used within 20mm from end of boards the screw positions must be pre-bored with a 5mm Ø drill and countersink prior to screw-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.

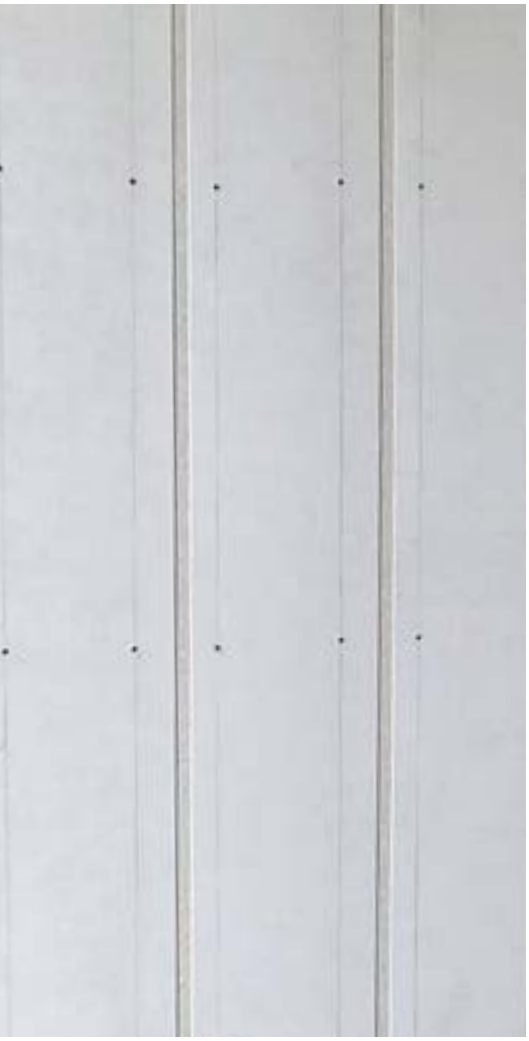
Steel framing gauge is to be 0.55-1.6 based metal thickness. Use GAL 90 light gauge steel for enhanced corrosion resistance and durability.

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, which outlines 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



INSTALLER RESPONSIBILITY

It is the responsibility of the installer to inspect their workplace prior to beginning the installation of Magnum Board® 16mm Shiplap to ensure installed work will meet the owner / contractor's requirements. Refer to 16mm Shiplap Site Pre-Installation & Post-Installation Checklist on page 28.

NOTE: Warranty is valid by completion of these Pre-Installation & Post-Installation inspection checklist. Checklist on page 28.

WARRANTY

While every effort has been made to ensure a satisfactory outcome with respect to the use of Magnum Board® 16mm Shiplap - 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 it's associated agents will not be held responsible for any such incident or outcome.

MagnumBoardWarranty.pdf



Before You Start - Continued

MATERIAL SAFETY, HANDLING, MAINTENANCE AND STORAGE REQUIREMENTS

It is good construction practice to marshal or stage the materials to be installed as close to the point of installation as possible.

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.

SURFACE FINISHES

WattylExteriorPaintGuide.pdf

The surface of the Magnum Board® must be clean and dry, 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.

DESIGN CONSIDERATIONS

All design and construction must comply with appropriate requirements of the current New Zealand Building Code NZS 3604, NASH Standard (Parts 1 & 2), and AS/NZS 4600. and other applicable local regulations and standards.

Installation Procedure - Cutting Magnum Board



CUTTING MAGNUM BOARD GUIDELINES

NOTE: We recommend use of qualified installers and use of FESTOOL cutting and extraction system or similar.

- Magnum Board can be cut with a diamond tipped scoring knife, keyhole saw, sabre 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 sabre saw.
- To perform cut outs for electrical outlets, light receptacles, switches, etc., carefully measure and mark the location of the opening on the face of Magnum Board®. Outline the opening in pencil and cut it out with a keyhole saw or circle cutter equipped with diamond tipped tooling. The hole must be accurately located and cut to size.
- 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.
- 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.

Installation Procedure

GUIDELINES FOR INSTALLING MAGNUM BOARD® 16MM SHIPLAP

MGO Installation Guide.pdf

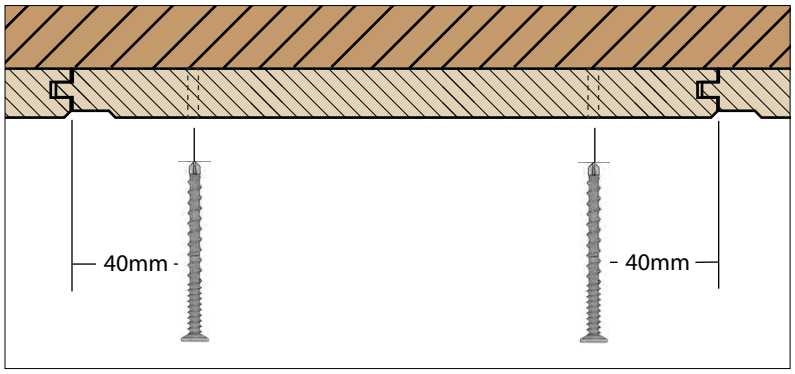
- Magnum Board® Shiplap 90/90/90 is to be installed vertically.
- Magnum Board® Shiplap is screwed to timber framing. Simpson Strong Tie SSDHSD50TSA Screw, 12-gauge x 50mm #2 Square Drive Pre-Bore Tip Stainless Steel 316.
- Screw fixing to timber framing using Quick Drive attachment Available through Simpson Strong-Tie.
- 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. Sealant is not required over screw heads.
- The following procedures require the use of an adhesive and sealant system, for which we have specified Mapei products. For further information with regard to Mapei, go to https://www.mapei.com/au/en/home-page Please note the disclaimer on page 6 if you are considering a different brand of product.
- Where waterproofing or expansion allowance is required, ensure a 2mm gap between butt ends. Gap to be filled with appropriate fire rated sealant.
- Ensure a continuous bead of Mapei PU35 or PU45 adhesive is applied to the back edge (Ends Only) of the male T&G portion before male and female ends are connected. 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.
- Screw heads are to finish flush or slightly below flush to surface of 16mm Shiplap Weatherboard when installed to timber framing. Embedding the screw head below the recommended level will result in edge cracking. We recommend the use of torque or impact controlled, air or electric screw gun as per page 3.
- Ensure Magnum Board® 16mm Shiplap Weatherboard is installed with the shiny side facing out.
- Fixing positions. Refer page 9
- NOTE: All exposed faces, including the top edges under the sills and bottom edges of MagnumBoard® Shiplap and accessories must be finished with a Wattyl exterior paint system.
- NOTE: During the installation process ensure paint is applied to all cut ends and edges of Magnum Board 16mm Shiplap.
- Magnum Board® Shiplap cut ends and cut edges must be pre-primed.

Installation Details - Fixing

16MM SHIPLAP - VERTICAL INSTALLATION

Fixing location is 40mm in from left and right visible edge as shown

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



Plan View - Fixing Detail

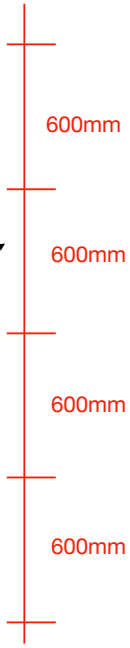


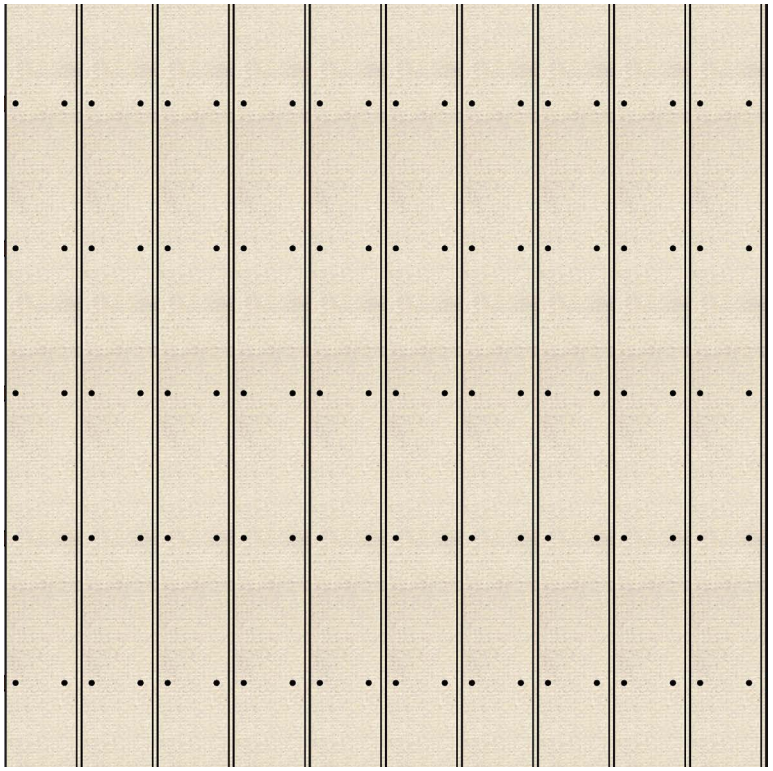
Front Elevation

VERTICAL INSTALLATION SCREW FIXING LOCATIONS

Refer to Fixing Positions - above.

Timber framing dwangs spaced at 600mm c.c's.





7. CONCRETE FOUNDATION DETAIL - 1

NOTE: All exposed faces, including the top edges under the sills and bottom edges of Magnum Board® 16mm Shiplap and accessories must be finished with an exterior paint system.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

90mm timber framing at 600mm c.c's both studs and dwangs.

50mm Rockwool insulation.

Masons UniPlus or equivalent flexible air barrier.

Pryda® Brace Anchor to both sides of stud.

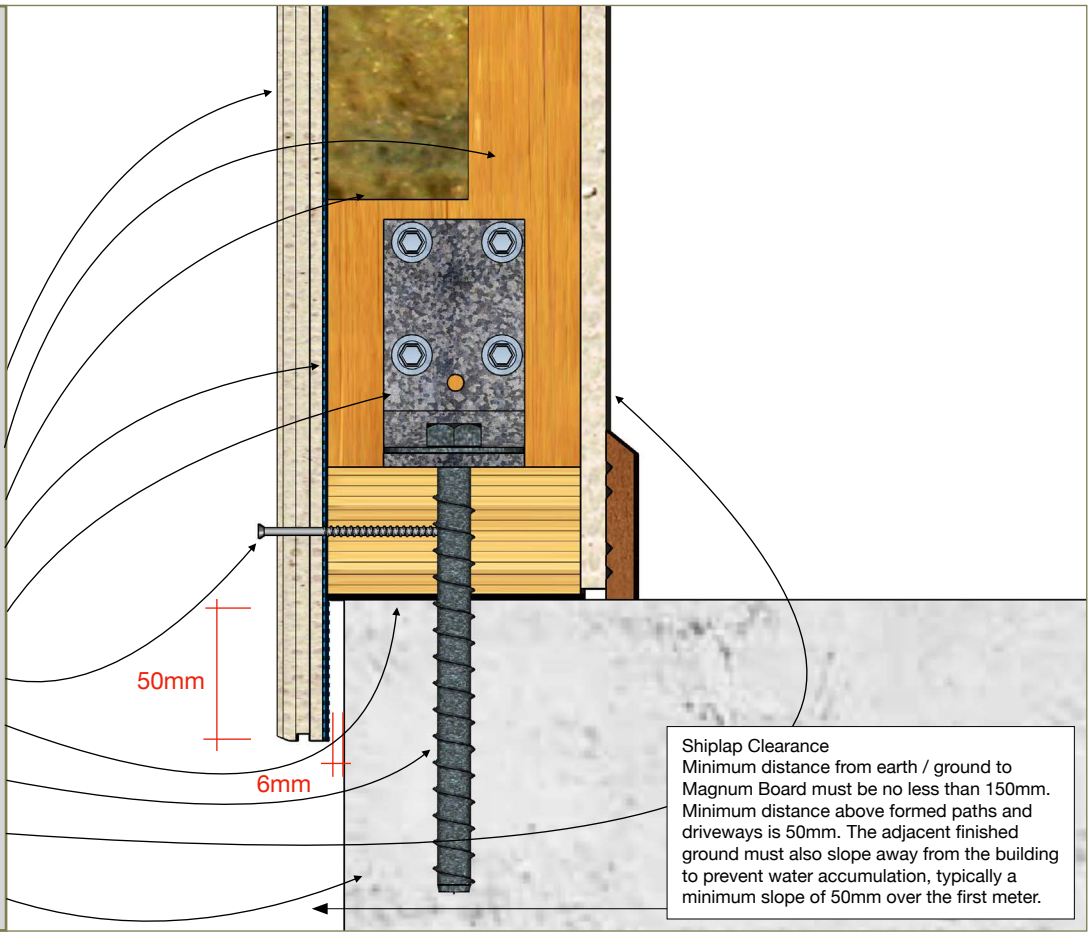
SSDHSD50TSA fixing.

DPC between bottom plate and slab.

17-12g long-type screw.

Magnum Board® silica-free non-combustable 9mm lining.

Concrete in accordance with local requirements.



Shiplap 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.

7. CONCRETE FOUNDATION DETAIL - 2

Magnum Board® silica-free non-combustable 18mm flooring.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

90mm timber framing at 600mm c.c's both studs and dwangs.

Masons UniPlus or equivalent flexible air barrier.

50mm Rockwool insulation.

Pryda® Brace Anchor to both sides of stud.

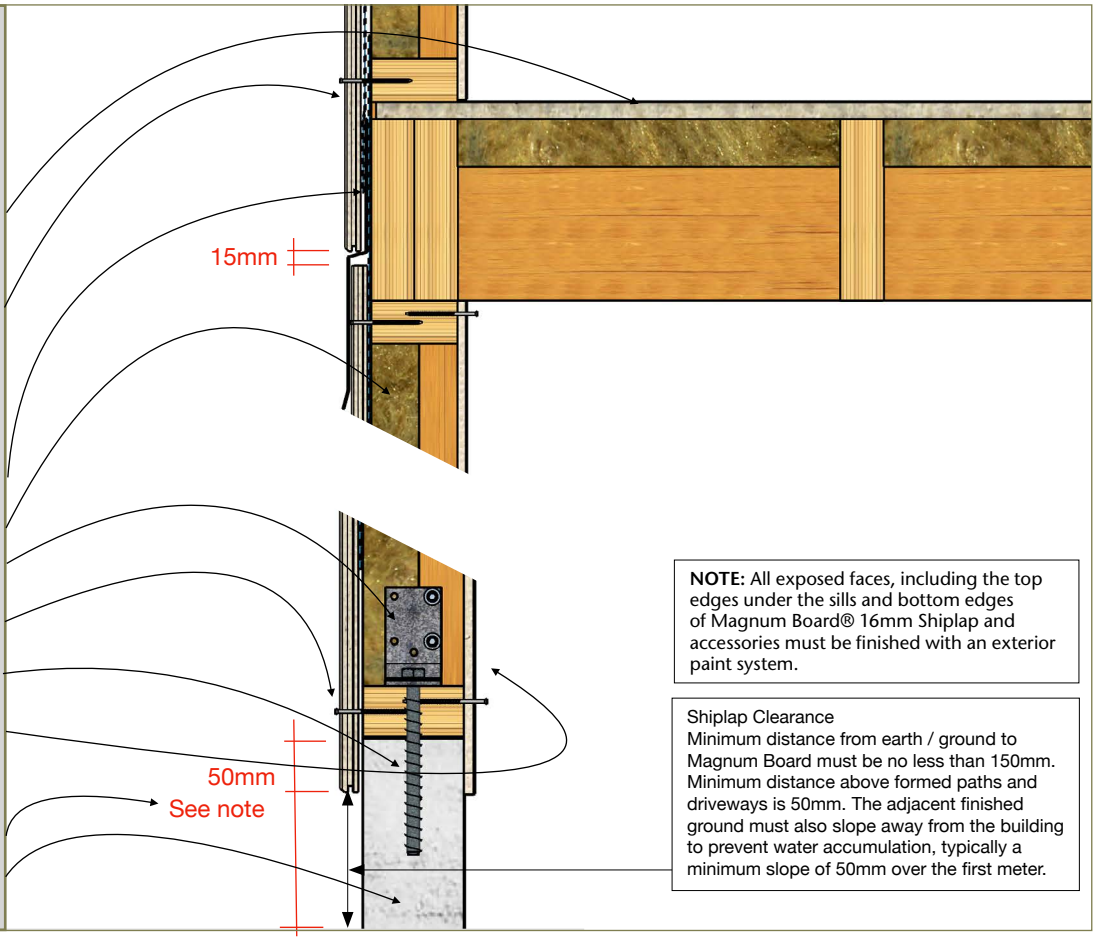
SSDHSD50TSA fixing.

17-12g long-type screw.

Magnum Board® silica-free non-combustable 9mm wall Fix with quality 6G x 32 C3 Multi-layered protective finish

Ground clearance in accordance with current code.

Concrete in accordance with local requirements.



NOTE: All exposed faces, including the top edges under the sills and bottom edges of Magnum Board® 16mm Shiplap and accessories must be finished with an exterior paint system.

Shiplap 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.

7. TIMBER FOUNDATION : JOIST AT 90° TO FRR WALL

NOTE: All exposed faces, including the top edges under the sills and bottom edges of Magnum Board® 16mm Shiplap and accessories must be finished with an exterior paint system.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

90mm timber framing at 600mm c.c's both studs and dwangs.

50mm Rockwool insulation.

ProctorWrap RW or equivalent flexible air barrier

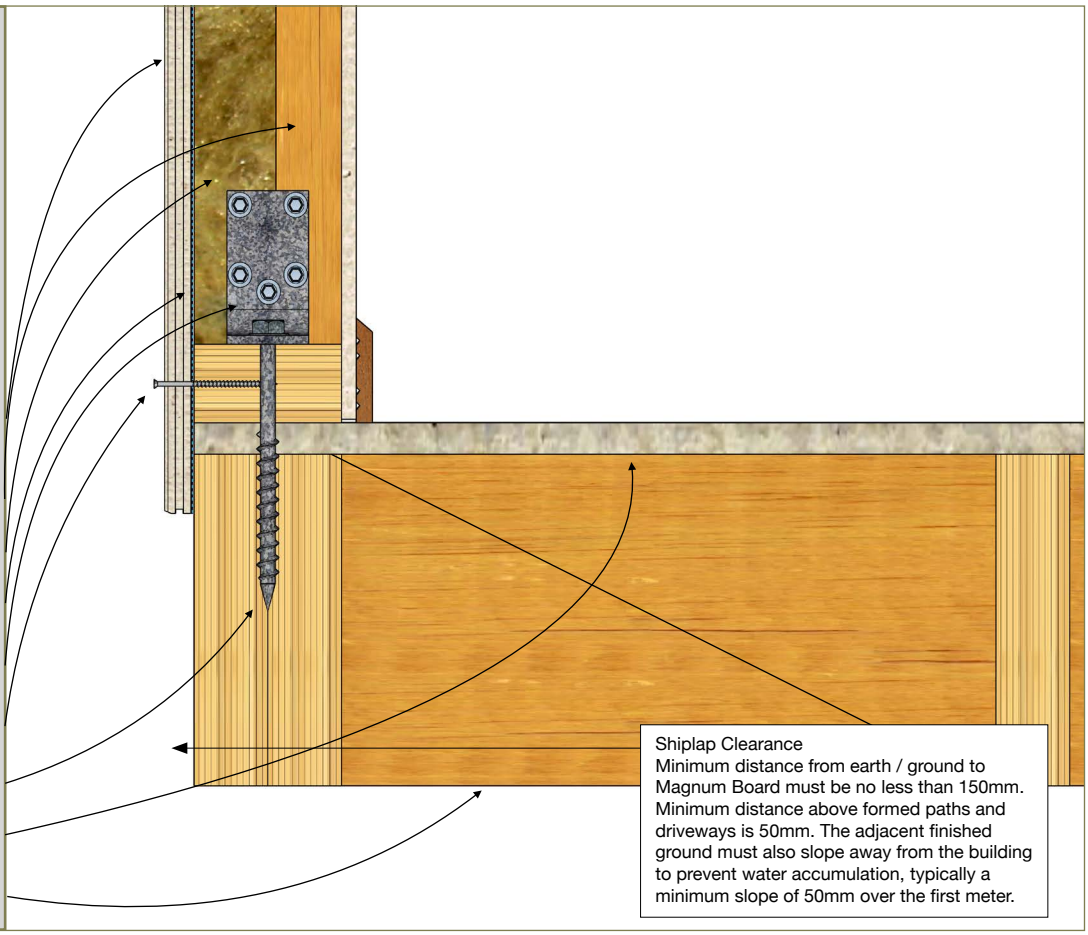
Pryda® Brace Anchor to both sides of stud.

SSDHSD50TSA fixing.

M12 x 150mm coach screw.

Magnum Board® silica-free non-combustable 18mm flooring.

Timber floor in accordance with local requirements.



7. TIMBER FOUNDATION : JOIST PARALLEL TO FRR WALL

NOTE: All exposed faces, including the top edges under the sills and bottom edges of Magnum Board® 16mm Shiplap and accessories must be finished with an exterior paint system.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

90mm timber framing at 600mm c.c's both studs and dwangs.

50mm Rockwool insulation.

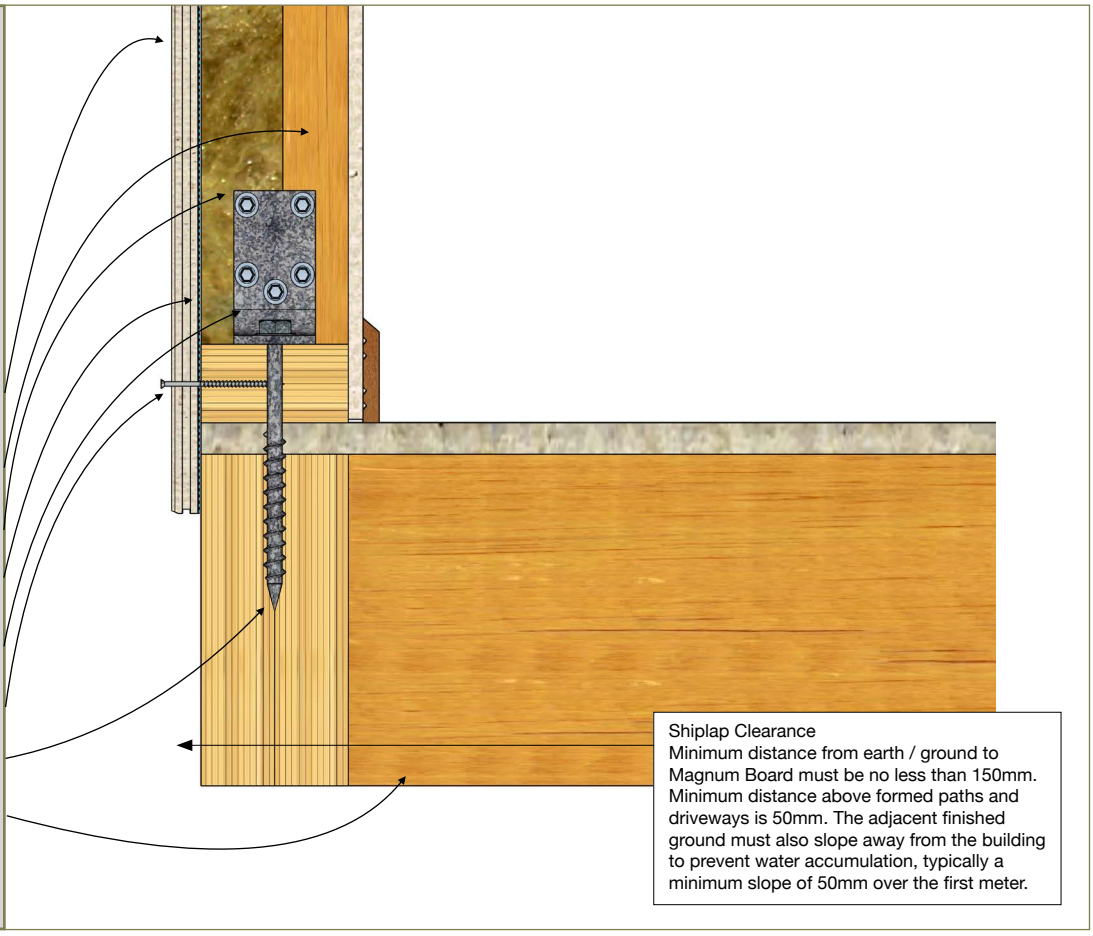
ProctorWrap RW or equivalent flexible air barrier.

Pryda® Brace Anchor to both sides of stud.

SSDHSD50TSA fixing.

M12 x 150mm coach screw.

Timber floor in accordance with local requirements.



7. EXTENAL CORNER DETAIL

NOTE: All exposed faces, including the top edges under the sills and bottom edges of Magnum Board® 16mm Shiplap and accessories must be finished with an exterior paint system.

Magnum Board® silica-free non-combustable 18mm 70 x 16 and 90 x 16 boxed corners.

Mapei Mapelflex PU45 or PU35 sealant

SSDHSD50TSA fixing.

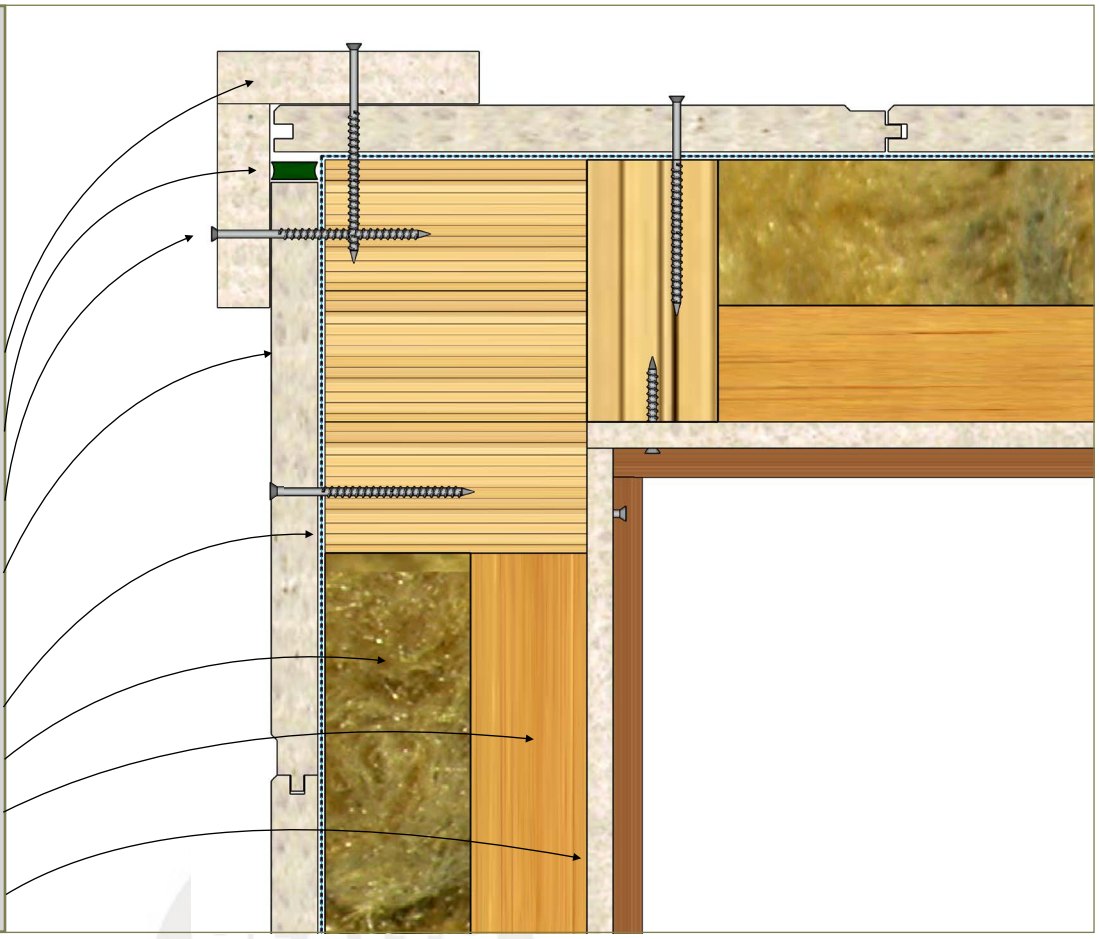
Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

ProctorWrap RW or equivalent flexible air barrier.

50mm Rockwool insulation.

90mm timber framing at 600mm c.c's both studs and dwangs.

Magnum Board® silica-free non-combustable 9mm lining.



7. INTERNAL CORNER DETAIL

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

ProctorWrap RW or equivalent flexible air barrier.

Magnum Board® 70 x 16 mm silica-free non-combustable moulding.

Corner flashing.

Mapei Mapelflex PU45 or PU35 sealant

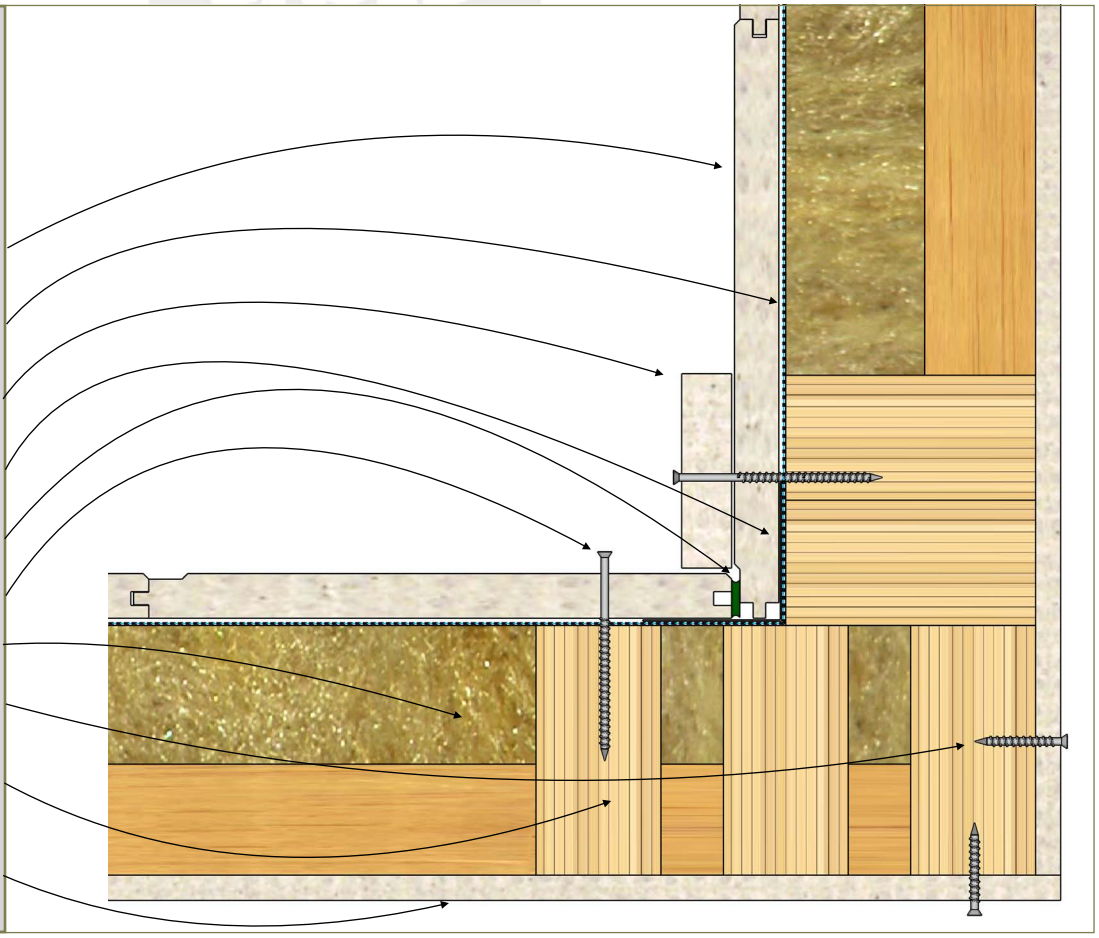
SSDHSD50TSA fixing.

50mm Rockwool insulation.

Fix with quality 6G x 32 C3 Multi-layered protective finish

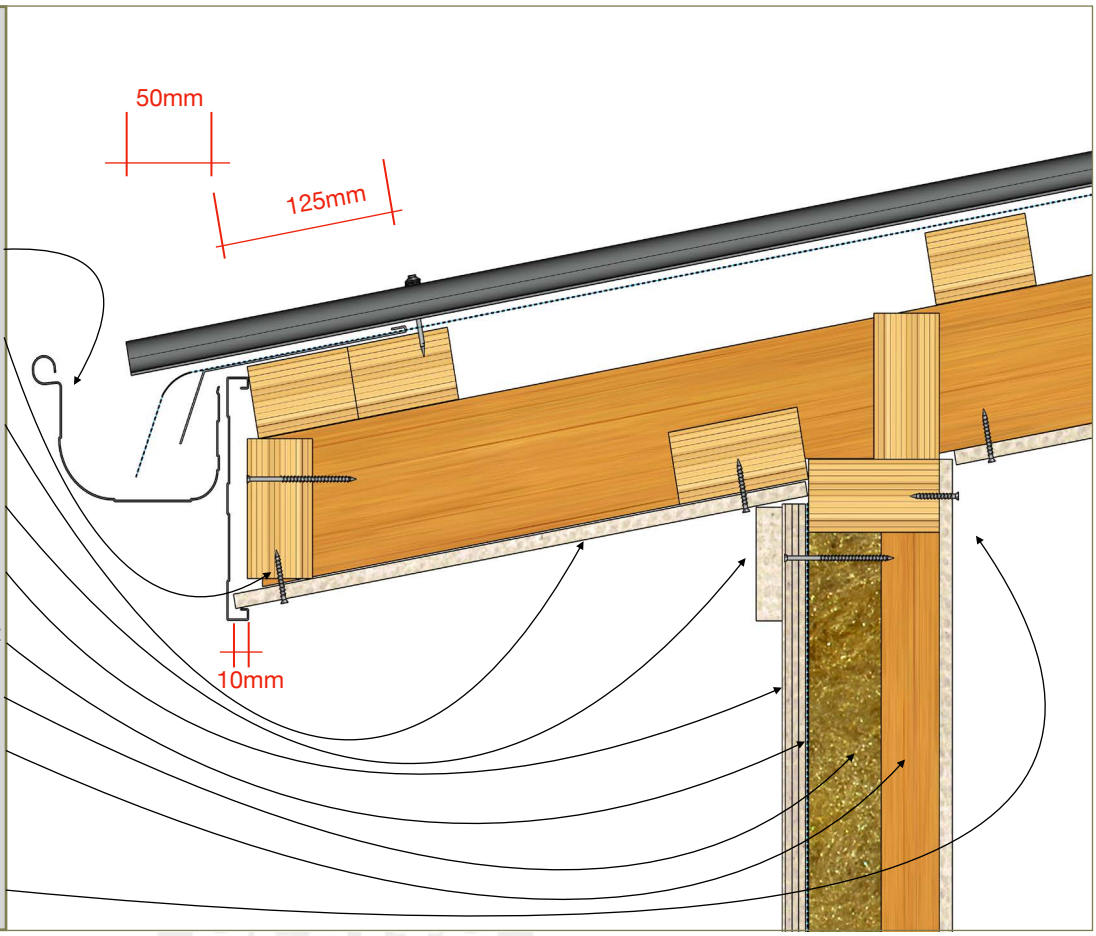
90mm timber framing at 600mm c.c's both studs and dwangs.

Magnum Board® silica-free non-combustable 9mm wall lining.



HEALTH BASED

7. EAVE SECTION DETAIL



Proprietary gutter and barge. Ensure solid blocking behind for fixing.

Simpson Strong-Tie SSDHSD50TSA

Magnum Board® 9 mm silica-free non-combustable moulding.

Magnum Board® 70 x 16 silica-free non-combustable moulding.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

ProctorWrap RW or equivalent flexible air barrier

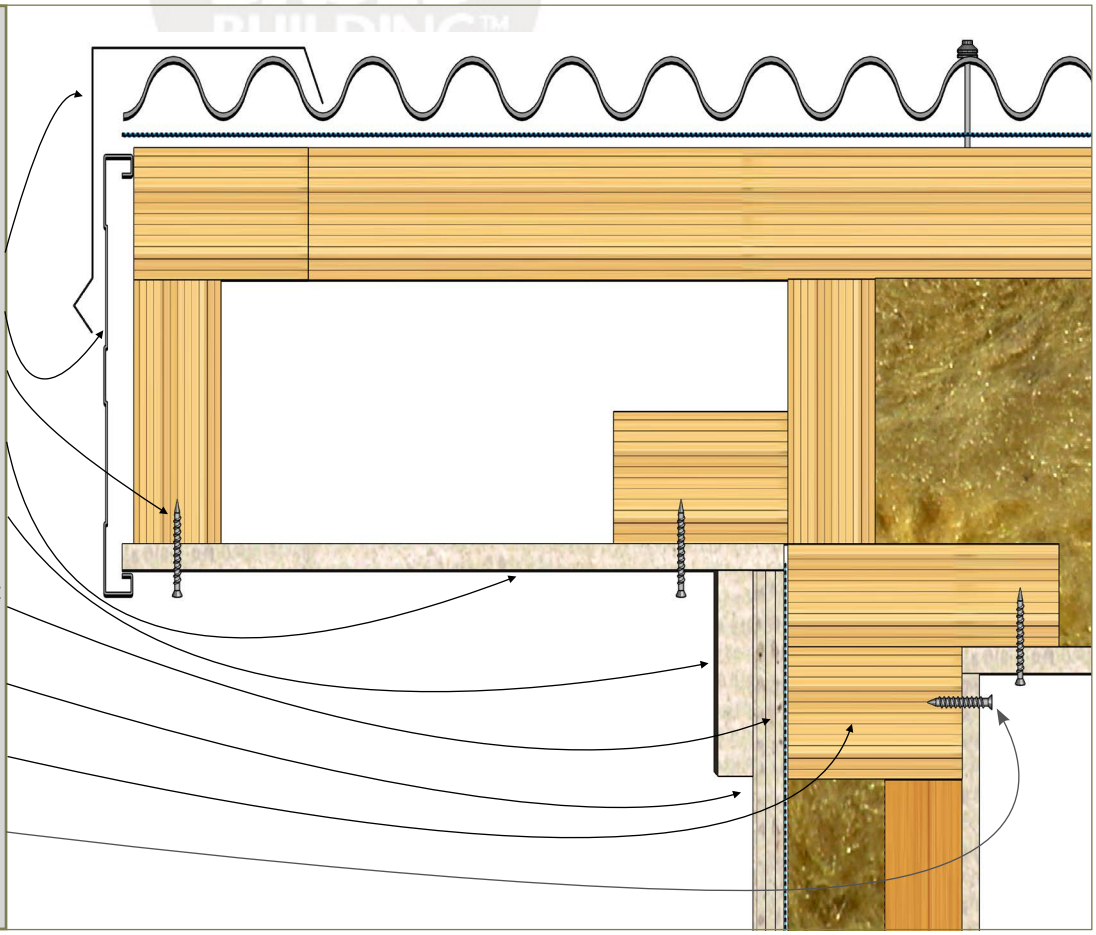
50mm Rockwool insulation.

90mm timber framing at 600mm c.c's both studs and dwangs.

Magnum Board® silica-free non-combustable 9mm wall and ceiling linings. Fix with

Fix with quality 6G x 32 C3 Multi-layered protective finish

7. BARGE EAVE SECTION DETAIL



Folded Colorsteel or similar edge flashing.

Proprietary barge - ensure solid blocking behind for fixing.

Simpson Strong-Tie SSDHSD50TSA

Magnum Board® silica-free non-combustable 9mm soffit. Ensure solid blocking for fixing.

Magnum Board® 70 x 16 mm silica-free non-combustable moulding.

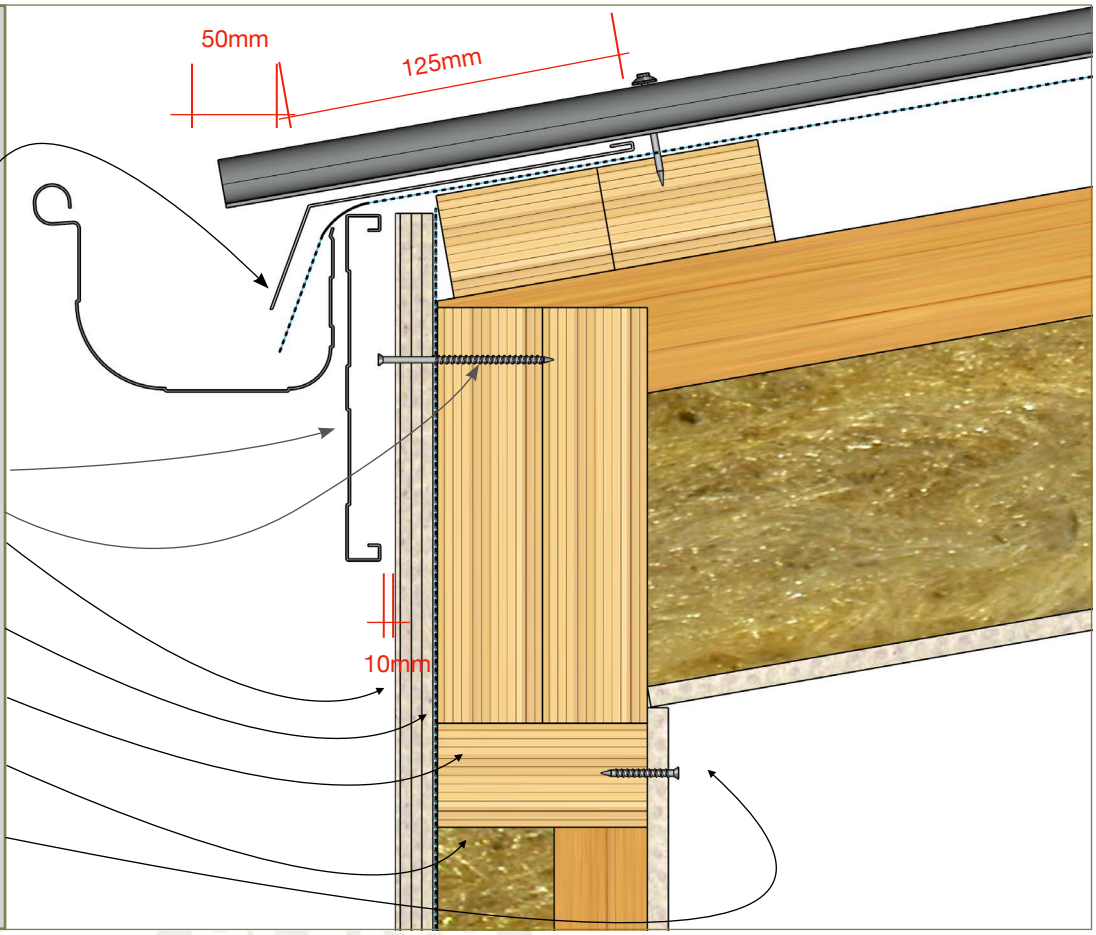
ProctorWrap RW or equivalent flexible air barrier.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

90mm timber framing at 600mm c.c's both studs and dwangs.

Magnum Board® silica-free non-combustable 9mm wall and ceiling lining. Fix with Fix with quality 6G x 32 C3 Multi-layered protective finish

7. BARGE - NO SOFFIT SECTION DETAIL



Folded Colorsteel or similar edge flashing. Ensure roof fixing doesn't penetrate flashing.

Proprietary gutter and barge.

SSDHSD50TSA fixing.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

ProctorWrap RW or equivalent flexible air barrier.

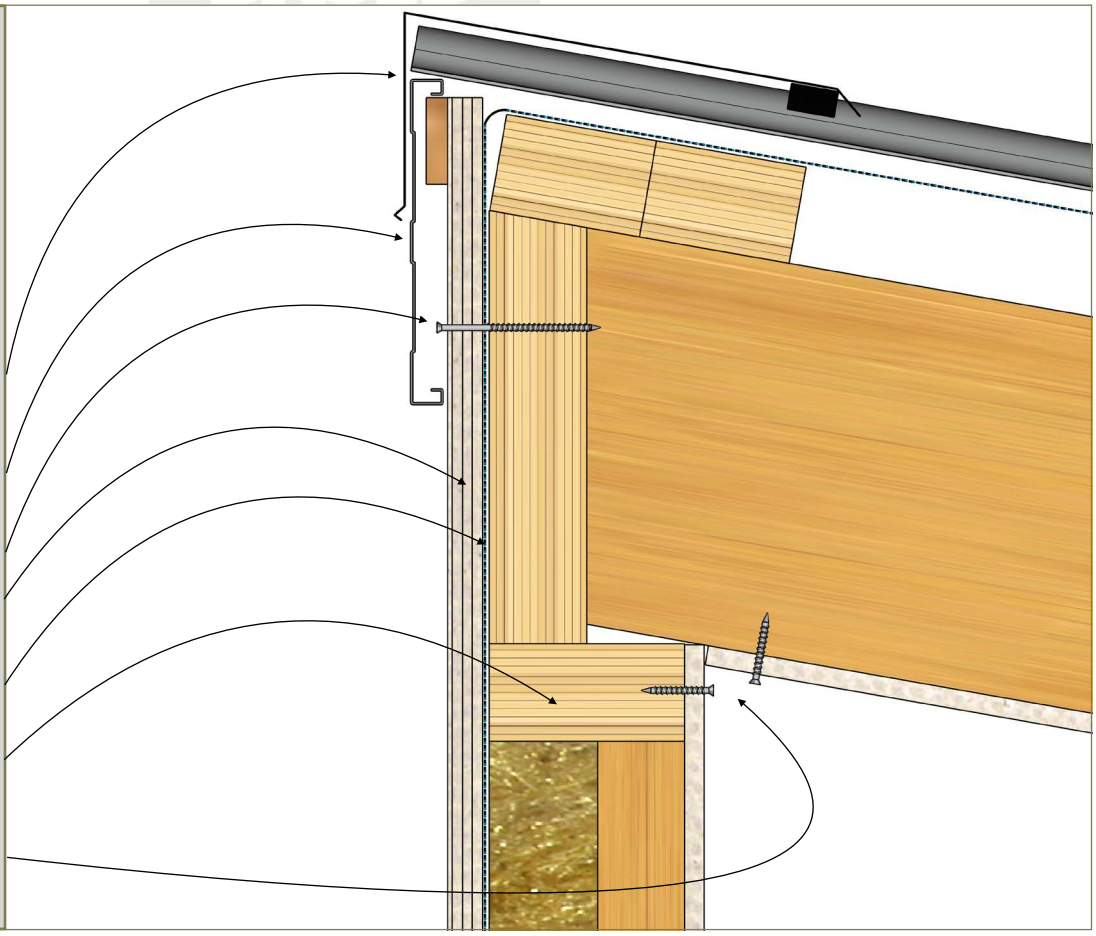
90mm timber framing at 600mm c.c's both studs and dwangs.

50mm Rockwool insulation.

Magnum Board® silica-free non-combustable 9mm wall and ceiling lining. Fix with

Fix with quality 6G x 32 C3 Multi-layered protective finish

7. ROOF - WALL RIDGE SECTION DETAIL



Folded Colorsteel or similar edge flashing. Ensure roof fixing doesn't penetrate flashing.

Proprietary gutter and barge. Ensure top edge support as indicated.

SSDHSD50TSA fixing.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

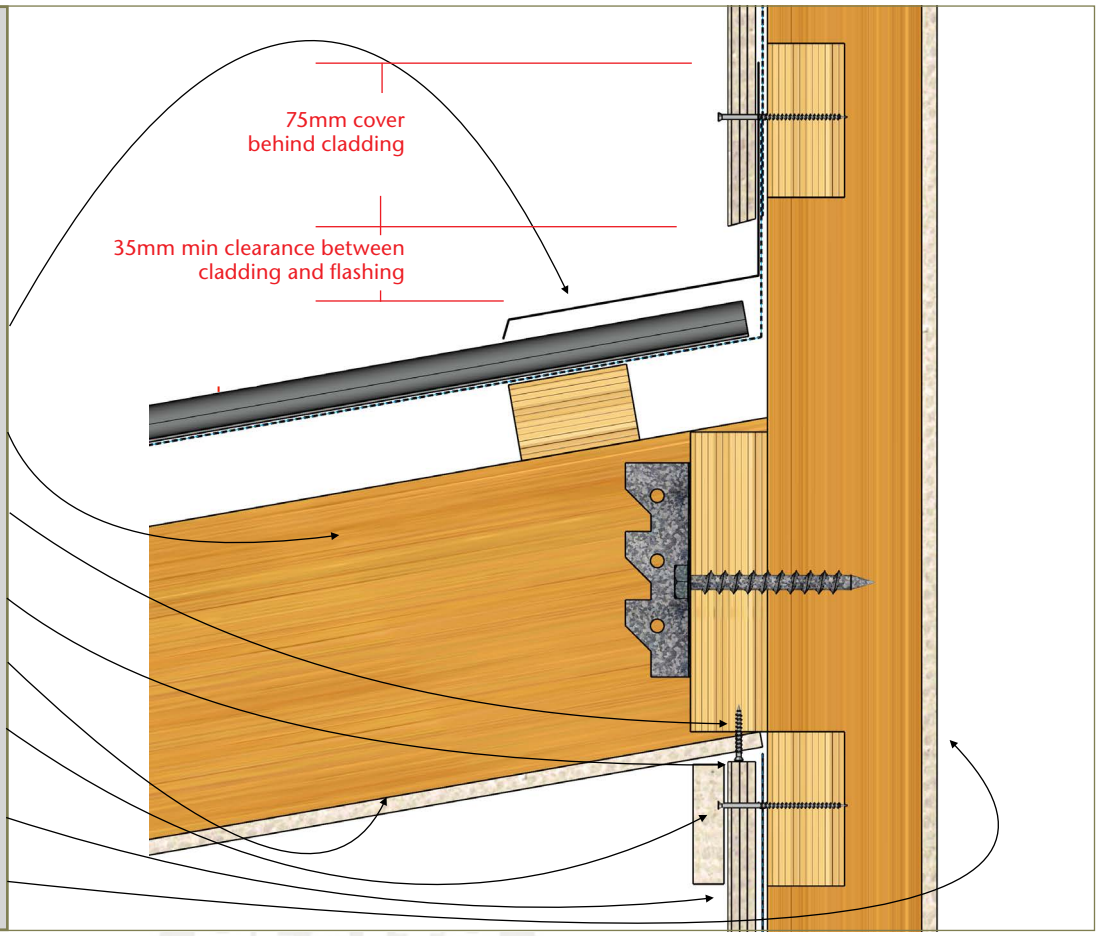
ProctorWrap RW or equivalent flexible air barrier.

90mm timber framing at 600mm c.c's both studs and dwangs.

Magnum Board® silica-free non-combustable 9mm wall and ceiling lining. Fix with

Fix with quality 6G x 32 C3 Multi-layered protective finish

7. CANOPY JUNCTION SECTION DETAIL



Folded Colorsteel or similar edge flashing. Ensure roof fixing doesn't penetrate flashing.

Roof structure in accordance with relevant construction standards.

Simpson Strong-Tie SSDHSD50TSA

Magnum Board® 70 x 16 mm silica-free non-combustable moulding.

Magnum Board® silica-free non-combustable 9mm soffit.

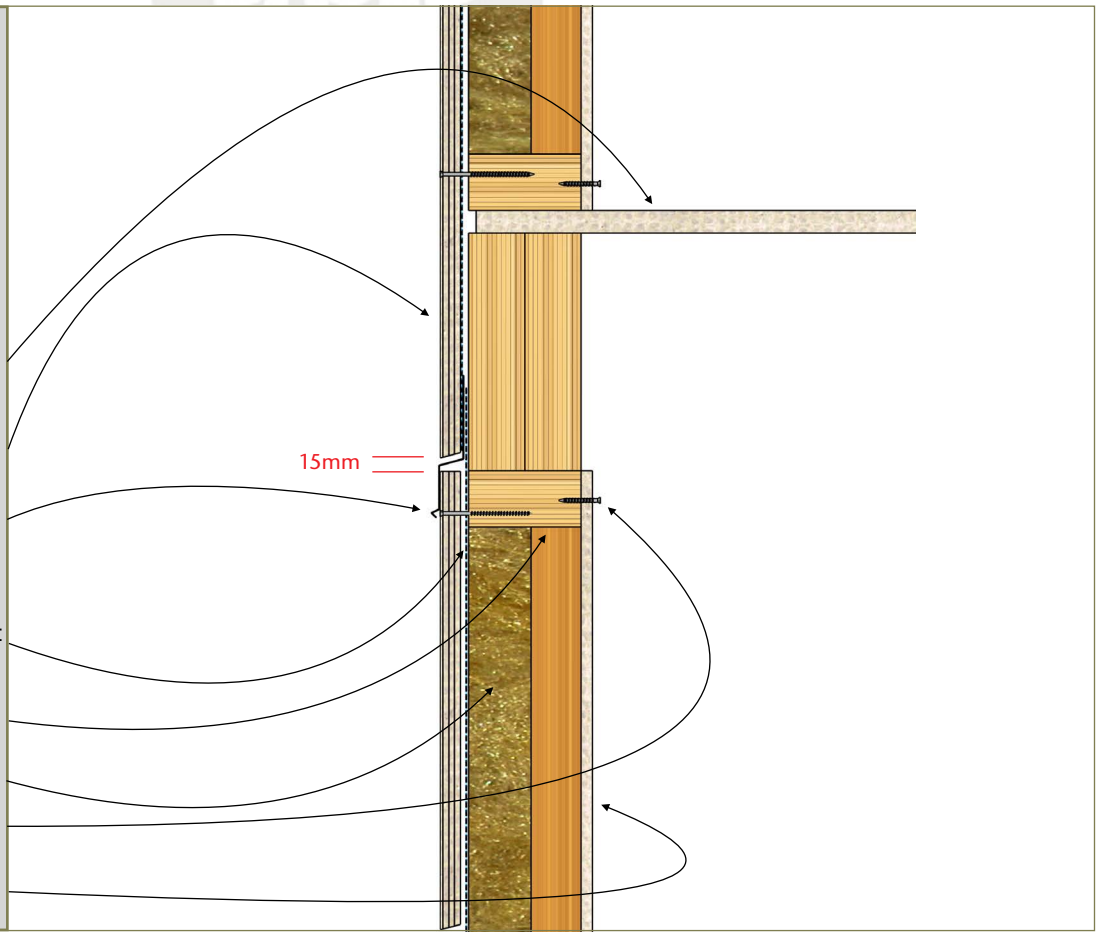
SSDHSD50TSA fixing.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

Magnum Board® silica-free non-combustable 9mm wall and ceiling lining.

7. HORIZONTAL CONTROL JOINT

NOTE: During the installation process ensure paint is applied to all cut ends and edges of Magnum 16mm Shiplap.



Magnum Board® silica-free non-combustable 18mm flooring.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

Folded Colorsteel or similar flashing.

SSDHSD50TSA fixing.

ProctorWrap RW or equivalent flexible air barrier.

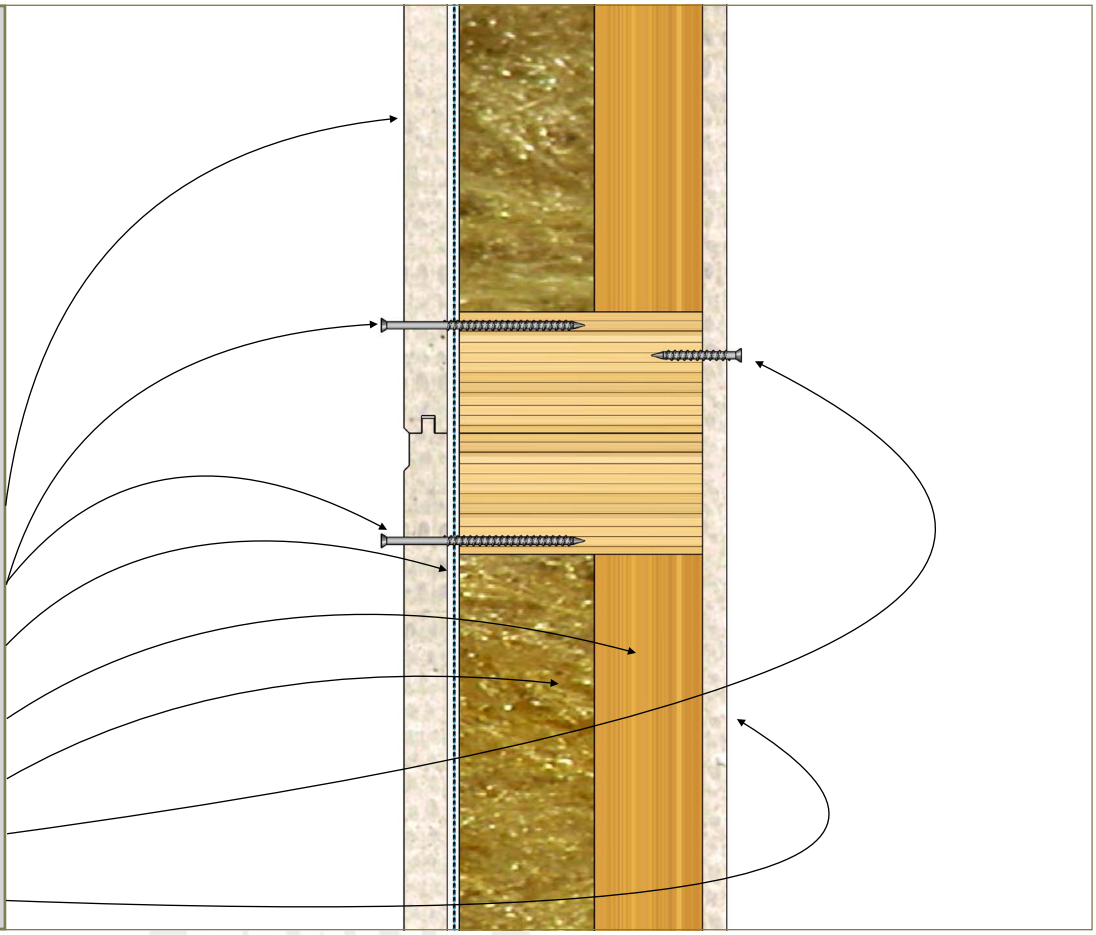
90mm timber framing at 600mm c.c's both studs and dwangs.

50mm Rockwool insulation.

Fix with quality 6G x 32 C3 Multi-layered protective finish

Magnum Board® silica-free non-combustable 9mm lining.

7. VERTICAL CONTROL JOINT



Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

SSDHSD50TSA fixing.

ProctorWrap RW or equivalent flexible air barrier.

90mm timber framing at 600mm c.c's both studs and dwangs.

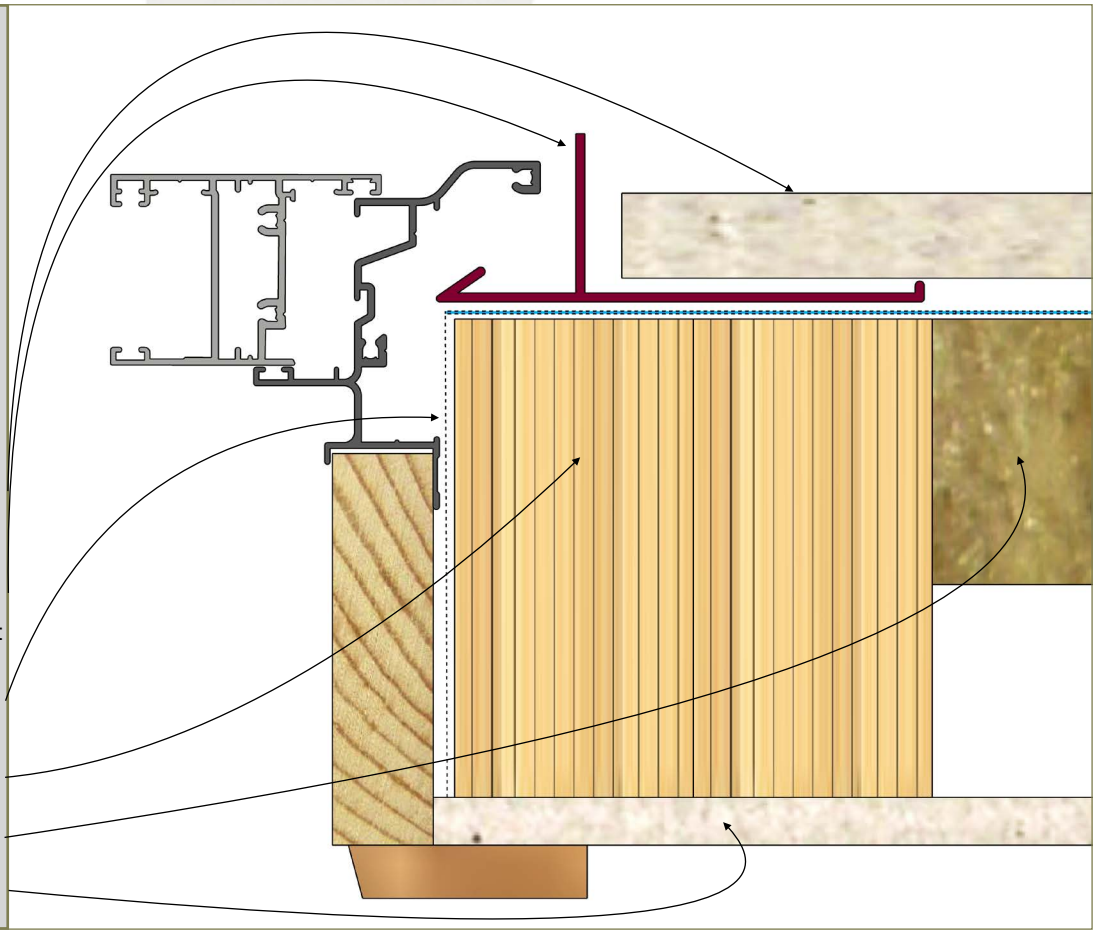
50mm Rockwool insulation.

Fix with quality 6G x 32 C3 Multi-layered protective finish

Magnum Board® silica-free non-combustable 9mm lining.

8. JAMB DETAIL

NOTE: All exposed faces, including the top edges under the sills and bottom edges of Magnum Board® 16mm Shiplap and accessories must be finished with an exterior paint system.



Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

Folded Colorsteel or similar flashing.

ProctorWrap RW or equivalent flexible air barrier.

Therma-flash wrap-around paper flashing.

90mm timber framing at 600mm c.c's both studs and dwangs.

50mm Rockwool insulation.

Magnum Board® silica-free non-combustable 9mm lining.

8. HEAD DETAIL

NOTE: All exposed faces, including the top edges under the sills and bottom edges of Magnum Board® 16mm Shiplap and accessories must be finished with an exterior paint system.

ProctorWrap RW or equivalent flexible air barrier.

50mm Rockwool insulation.

90mm timber framing at 600mm c.c's both studs and dwangs.

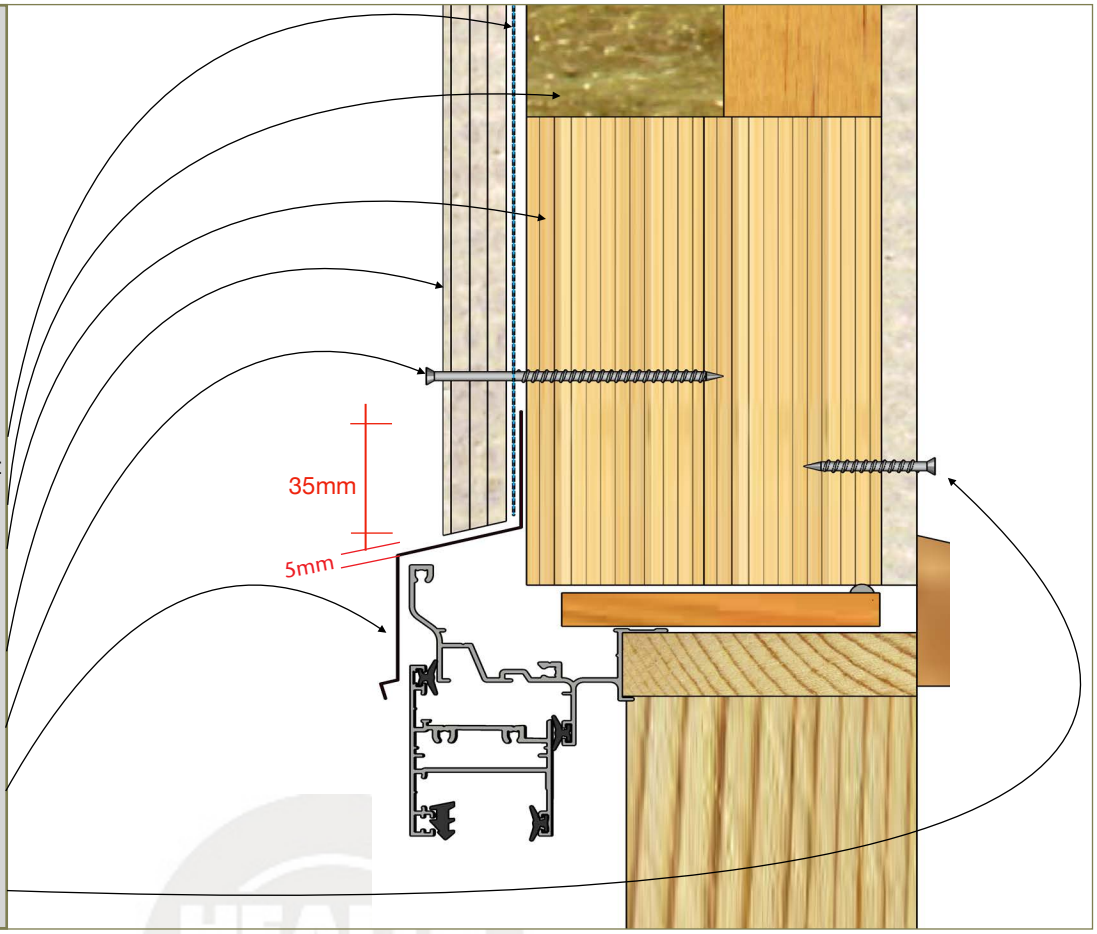
Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

SSDHSD50TSA fixing

Folded Colorsteel or similar flashing.

Magnum Board® silica-free non-combustable 9mm lining.

Fix with quality 6G x 32 C3 Multi-layered protective finish



8. SILL DETAIL

NOTE: All exposed faces, including the top edges under the sills and bottom edges of Magnum Board® 16mm Shiplap and accessories must be finished with an exterior paint system.

Therma-flash wrap-around paper flashing.

Folded Colorsteel or similar flashing.

SSDHSD50TSA fixing.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

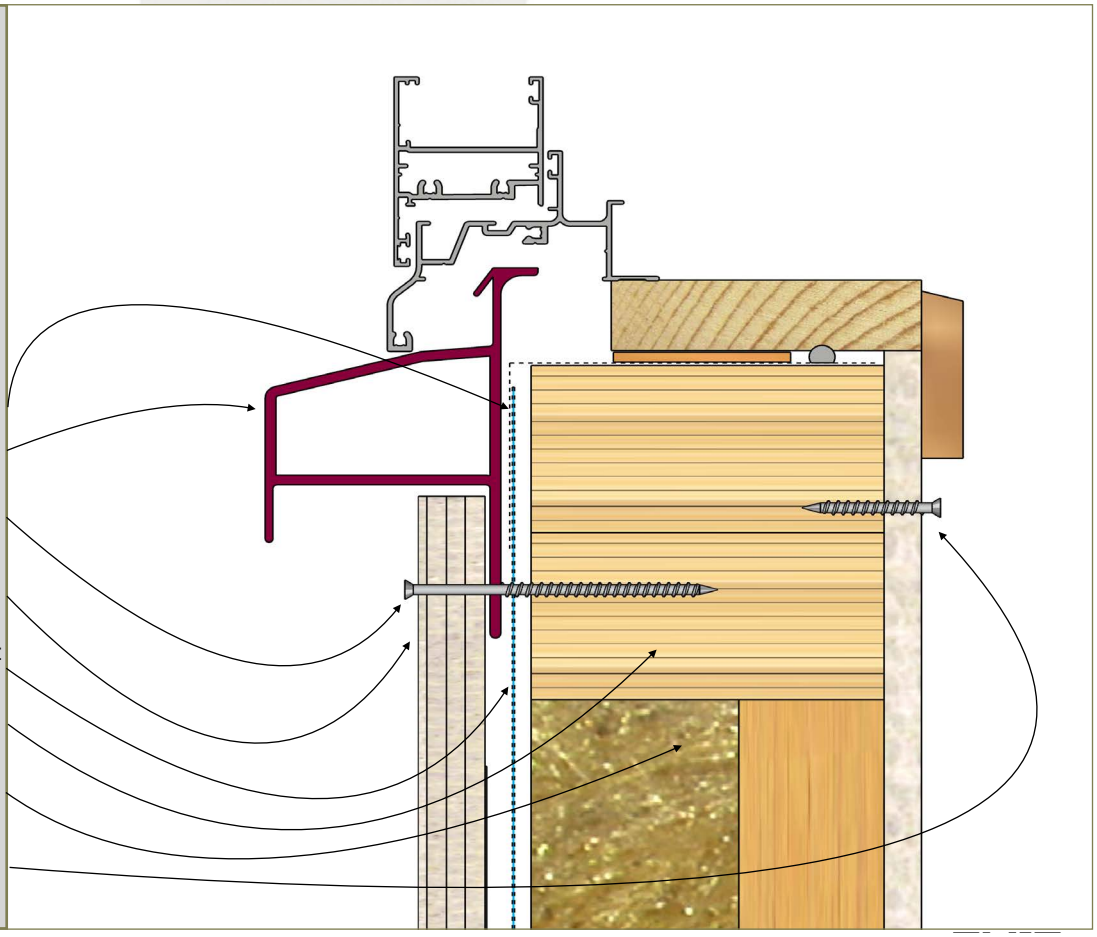
ProctorWrap RW or equivalent flexible air barrier.

90mm timber framing at 600mm c.c's both studs and dwangs.

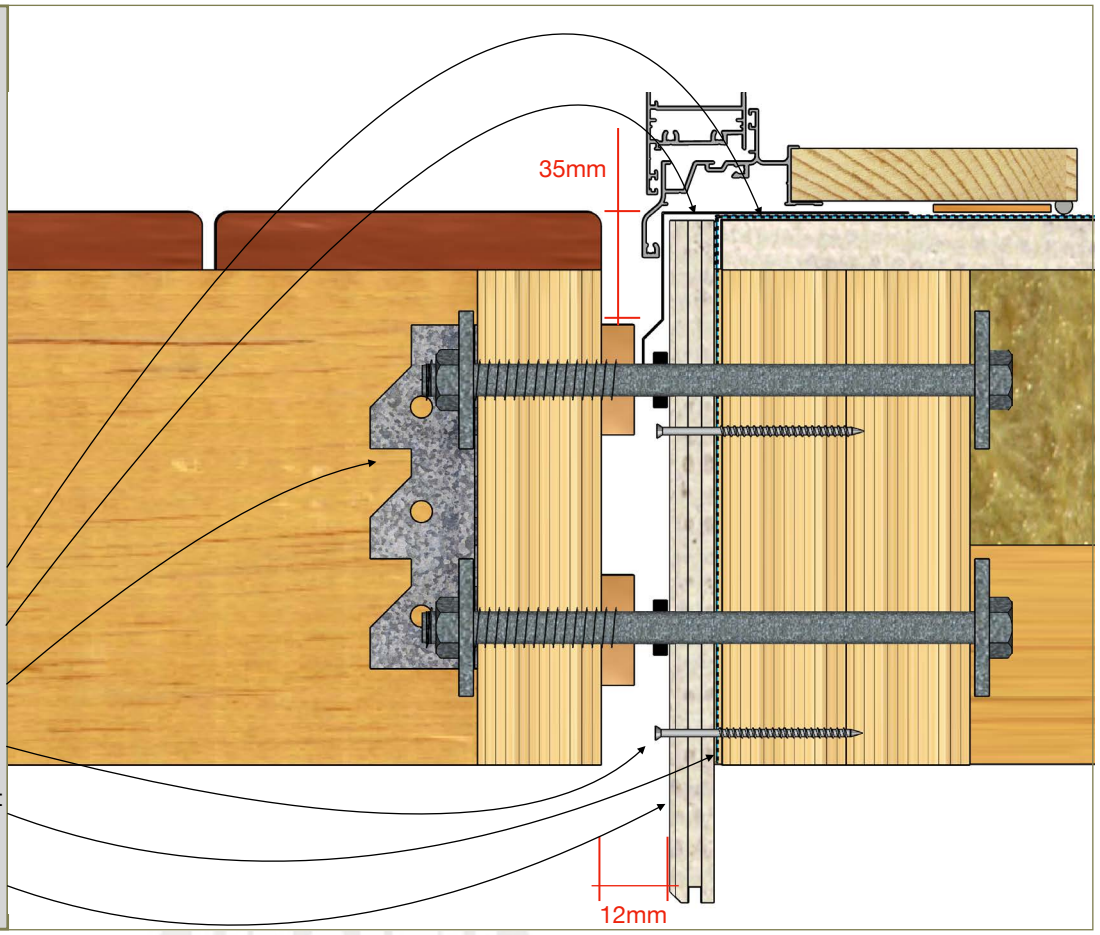
50mm Rockwool insulation.

Magnum Board® silica-free non-combustable 9mm lining.

Fix with quality 6G x 32 C3 Multi-layered protective finish



8. DECK THRESHOLD



Therma-flash wrap-around paper flashing.

Folded Colorsteel or similar flashing.

Deck structure in accordance with consent requirements.

SSDHSD50TSA fixing.

ProctorWrap RW or equivalent flexible air barries.

Magnum Board® silica-free non-combustable 16mm Shiplap cladding.

8. FIRE RATING SERVICES



NOTE: All exposed faces, including the top edges under the sills and bottom edges of Magnum Board® 16mm Shiplap and accessories must be finished with an exterior paint system.

WARNING: Fixing near pipes or cables may cause damage.

Ensure all pipes and cables are fixed and installed in accordance with appropriate consent documentation.

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 :

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

SECTION 3 : HAZARDS IDENTIFICATION

Emergency Contact: 03 9701 2777
43-46 Overseas Drive, Noble Park North, VIC
www.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.

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.)

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.

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

- 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.

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®.

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

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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Reportable quantity (RQ)	No
Charachteristics	Not applicable
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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 16mm SHIPLAP 90/90/90 **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 BCA guidelines.
- ☐ Framing flush and level.
- ☐ Access and heights.
- ☐ Services identified.
- ☐ Health and safety plan in place.
- ☐ PPE and dust control in place.

MAGNUM BOARD 16mm SHIPLAP 90/90/90 **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.
- ☐ Screw heads are to finish flush or slightly below flush to surface of the 16mm Shiplap.
- ☐ 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.
- ☐ Where required, 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 : _____