MAXIWALL

MAXIWALL INTERTENANCY PARTY WALL / BOUNDARY WALL INSTALLATION GUIDE

BIG RIVER / MAXIWALL

WE'RE BIG RIVER GROUP

BIG RIVER COMMERCIAL | BIG RIVER TRADE CENTRE | BIG RIVER PANELS | TIMBERWOOD PANELS | PLYTECH PANELS

Our Story

With over 120 years in the timber industry, Big River is now one of Australia's largest timber manufacturing and marketing businesses, with a diverse business servicing all Australian States and many international projects.

Big River owns and manages sales and distribution outlets in Sydney, Brisbane, Townsville, Adelaide, Melbourne, Sunshine Coast and Perth, servicing the construction and building industry as well as the manufacturing sector with a diverse range of timber products and other associated construction materials such as Maxiwall - a strong yet lightweight walling panel made from Autoclaved Aerated Concrete (AAC).and reinforced with corrosion protected steel mesh.

Maxiwall is sourced from world class production facilities using German technology and automated processes to ensure each Maxiwall panel is of optimum quality and consistency.

Big River provides customers with the security of a full support network, and technical expertise at every stage of the product lifecycle. This is the guarantee of quality and service that Big River has based its 120 years of success on.

Strategic intent

Our focus is on developing products and systems that get the job done, embracing the idea of customer needs, satisfaction and price sensibility.

We are committed to delivering new and innovative building systems that provide a more comfortable and sustainable "home living" experience.

Contents & Use of Manual

This technical guide contains design, installation and technical information intended for use as a general guide by qualified design and building construction professionals including licensed builders in the construction of party wall for low-rise multi-residential buildings.

This document does not substitute the necessary knowledge, experience and judgment of qualified design and building construction professionals. They should be consulted to ensure that the specific building systems, its components and Installations are suitable for the projects and conform to building codes under Australian laws.

Big River is not responsible for ensuring the correctness or suitability of the systems or compliance with federal, state or local laws and regulations, including building, environmental and other codes.

MaxiWall Panel

The Maxiwall Autoclaved Aerated Concrete (AAC) wall panel is a durable, lightweight, steel reinforced innovative building panel that offers excellent benefits as an external wall system for low-rise residential buildings. Some of the benefits include:

- Quick installation - reduced time and labour costs
- Fire performance - non-combustible which achieves good fire resistance levels.
- Energy efficient - high thermal mass and thermal isolation
- Excellent soundproofing - reduces noise transmission significantly
- Durability - not affected by harsh climatic conditions

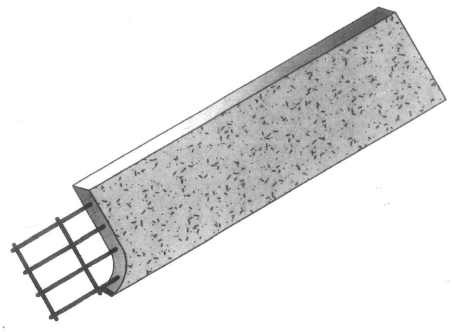
Maxiwall wall panels are manufactured using the latest state-of-the-art German production technology and plant. Made from cement, fine aggregates, lime and water, an expansion agent is added to the mixed slurry which causes it to rise like dough containing closed air pockets that results in its lightweight and energy efficient benefits. The material is molded and wire-cut into dimensioned panels and cooked with steam (autoclaving). AAC has been used in Europe for more than 70 years and continues to be widely accepted in Australia since its introduction over 20 years ago.

Building homes with Maxiwall wall panels will deliver a quieter, cooler and more comfortable "home living" experience. With four times greater thermal resistance than standard house bricks, the amount of energy required to heat or cool is greatly reduced thus resulting in cost savings to homeowners.

Maxiwall wall panels are lighter than other concrete and masonry products allowing for faster installation, easier handling and more flexible solutions to external wall system requirements.

Maxiwall wall panels are available in the following dimensions and steel reinforcement.

Thickness:	75mm
Width:	600mm
Length:	2400 to 3300mm
Reinforcement:	Single steel mesh.centrally located
Steel wire:	4 x 5mm longitudinal and transverse bars



Advantage & Benefit

Strong & Durable

MAXIWALL steel reinforced panels have that solid feel of traditional bricks. With an approved external render finish MAXIWALL is not affected by our harsh Australian climatic conditions and will not degrade under normal conditions.

Cost Effective

MAXIWALL lightweight panels are easy to handle on-site with standard construction tools and quick to build with resulting in lower labour costs.

Fire Resistant

MAXIWALL is manufactured from aerated concrete and is non-combustible and therefore suitable for fire-rated applications such as boundary and party walls in residential and commercial applications.

Safe

MAXIWALL Contents low levels of Crystalline Silica, less then 4%

Energy Efficient

MAXIWALL has a closed aerated structure which gives it superior thermal insulation properties compared to concrete or brick veneer. MAXIWALL is therefore a smarter choice for lower heating and cooling energy consumption.

Superior Acoustics

MAXIWALL also has superior soundproofing and acoustic insulation properties.

Sustainable

MAXIWALL is a cleaner, greener and more sustainable choice. On a volume comparison, MAXIWALL has manufacturing, embodied energy and greenhouse gas emission impacts significantly less than those of concrete and bricks.

Proven & Backed By Big River

AAC was invented in Sweden over 70 years ago and is widely used in building throughout Europe as well as other regions in the world. Its popularity amongst architects, builders and homeowners in Australia has been growing significantly over the past 20 years.

MAXIWALL is now available and supported in Australia through the established national sales and distribution network of the Big River Group

MaxiWall Party Wall System

The MaxiWall party wall system is designed for the construction of load bearing separating walls between adjoining dwellings in low-rise residential buildings such as townhouses, terraces and apartments. Offering a 60/60/60, 90/90/90, 120/120/120 System.

The system comprises of 75mm thick MaxiWall AAC wall panels embedded with reinforcing corrosion protected steel mesh in longitudinal and transverse directions, installed in between and fixed to load bearing structural frames to form the separating wall system.

Easy cutting makes on site adjustments of the MaxiWall panel fast and adaptable. 600mm wide panels can be procured in lengths of 2400, 2550, 2700, 2850, 3000 and 3300mm.

The MaxiWall party wall system has an advantage over other wall systems as it has lighter loads on structures and is cost effective when compared with traditional masonry construction. It also offers the benefits of soundproofing and fire protection. MaxiWall wall panels can also be used as internal non-load bearing separating, shaft and partition wall, external walls and for high-rise.

Design Consideration

The MaxiWall party wall is an effective and economical construction material. To capitalise on the product benefits and architectural features the following considerations are important:

- Ascertain the following site requirements:
  - » Wind loads
  - » Soil type and movement
  - » Fire Resistance Level (FRL)
  - » Energy Efficiency (R-Value)
  - » Sound insulation performance (Rw+Ctr values)
- Select the appropriate system configuration outlined in Table 1 that meets with the site requirements.
- Determine the wall frame spacing, quantity of battens, screw fixing and cantilever distance.
- Ensure the Project Engineer approves the completed detailed design documentation as complying with NCC requirements.
- Stud frames are load bearing elements and must be designed and constructed in accordance with the relevant standard such as AS1684-2010 for timber and AS 4600-2005 or NASH for light gauge steel.
- The MaxiWall wall panel is non-load bearing and is only required to resist self-weight and out of plane internal wind pressure.

The design considerations and installation details shown in this manual are for the construction of internal load bearing party wall systems using MaxiWall non-load bearing wall panels.
When designed and specified in accordance with the technical information contained in this manual, the MaxiWall party wall system for low-rise residential buildings shall be deemed to satisfy the requirements of the National Construction Code - BCA Volume 2 for Class 1 Buildings.
The performance requirements that are relevant to the party wall systems against the NCC-BCA nominated requirements are: Structural Performance - P2.1.1, Fire Resistance - P2.3.1 and Acoustic Performance - P2.4.6. The NCC is a performance-based document available in two volumes: Volume 1- Class 2 to Class 9 Buildings and Volume 2 - Class 1 and 10 Buildings (Housing Provisions). It is a uniform set of technical provisions used for the design and construction of buildings and other structures in Australia.

The MaxiWall wall panel has been issued with CodeMark Certificate of Conformity. This certification provides a nationally and internationally accepted process for products assessment for compliance.

System Configuration

The Maxiwall party wall system can be constructed in several configurations. This included:

- Using single or double panels:
- Installing the wall panels vertical throughout

- The use of aluminium angle brackets as the fixing system is required.
  The party wall system configuration identification is indicated below and in Table 1:

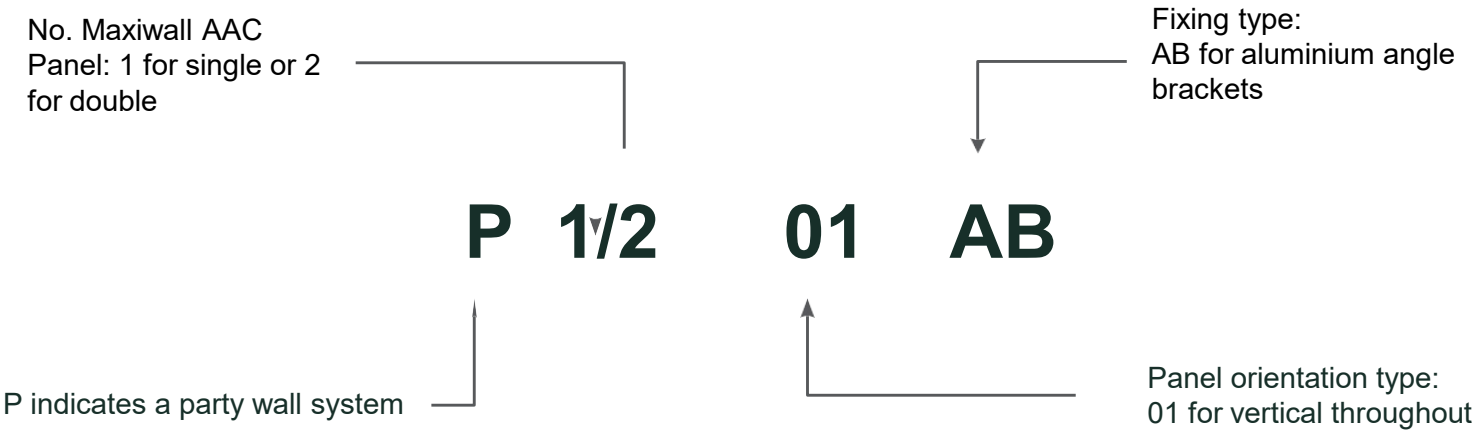
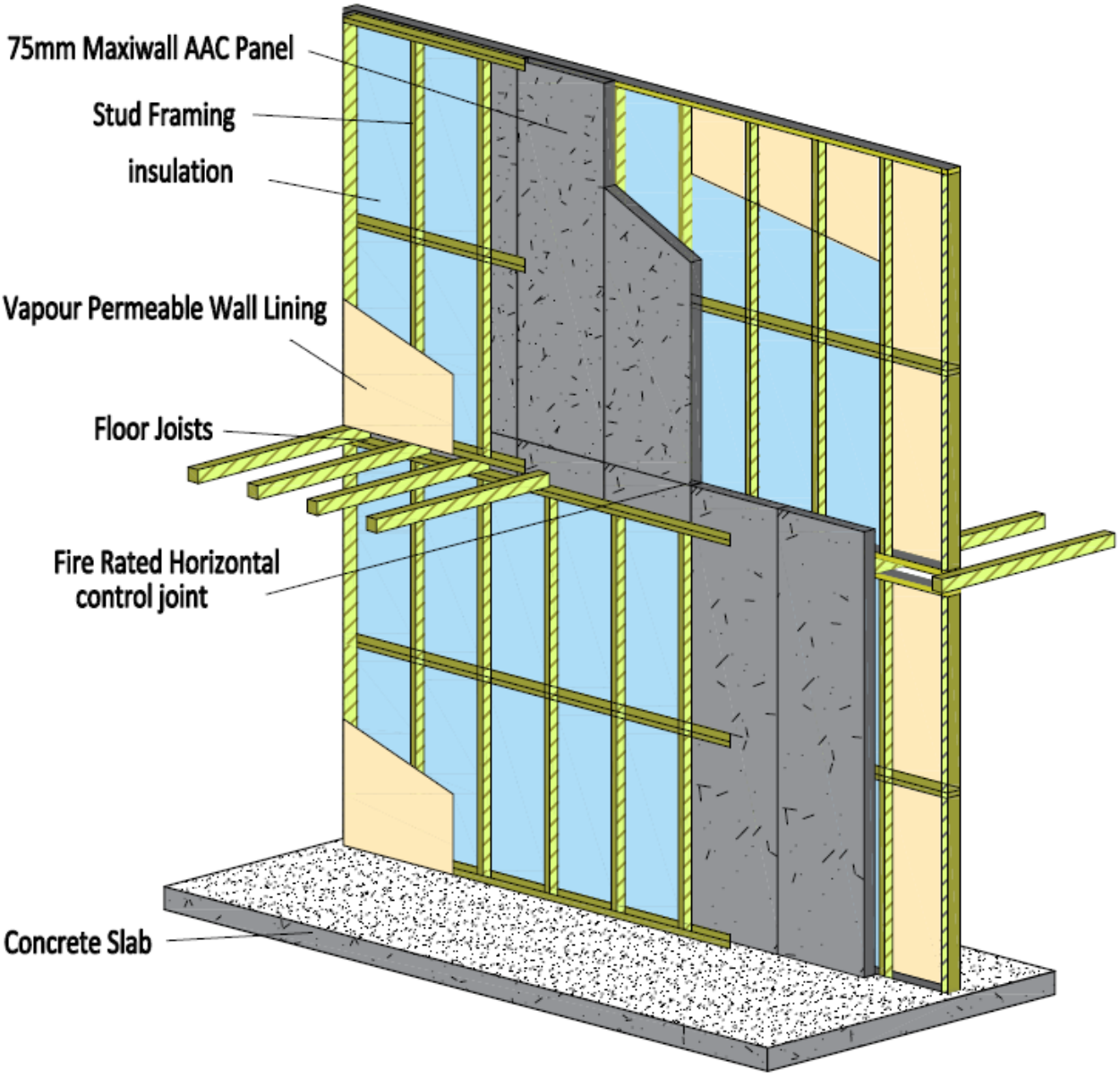


Table 1 – System Configuration

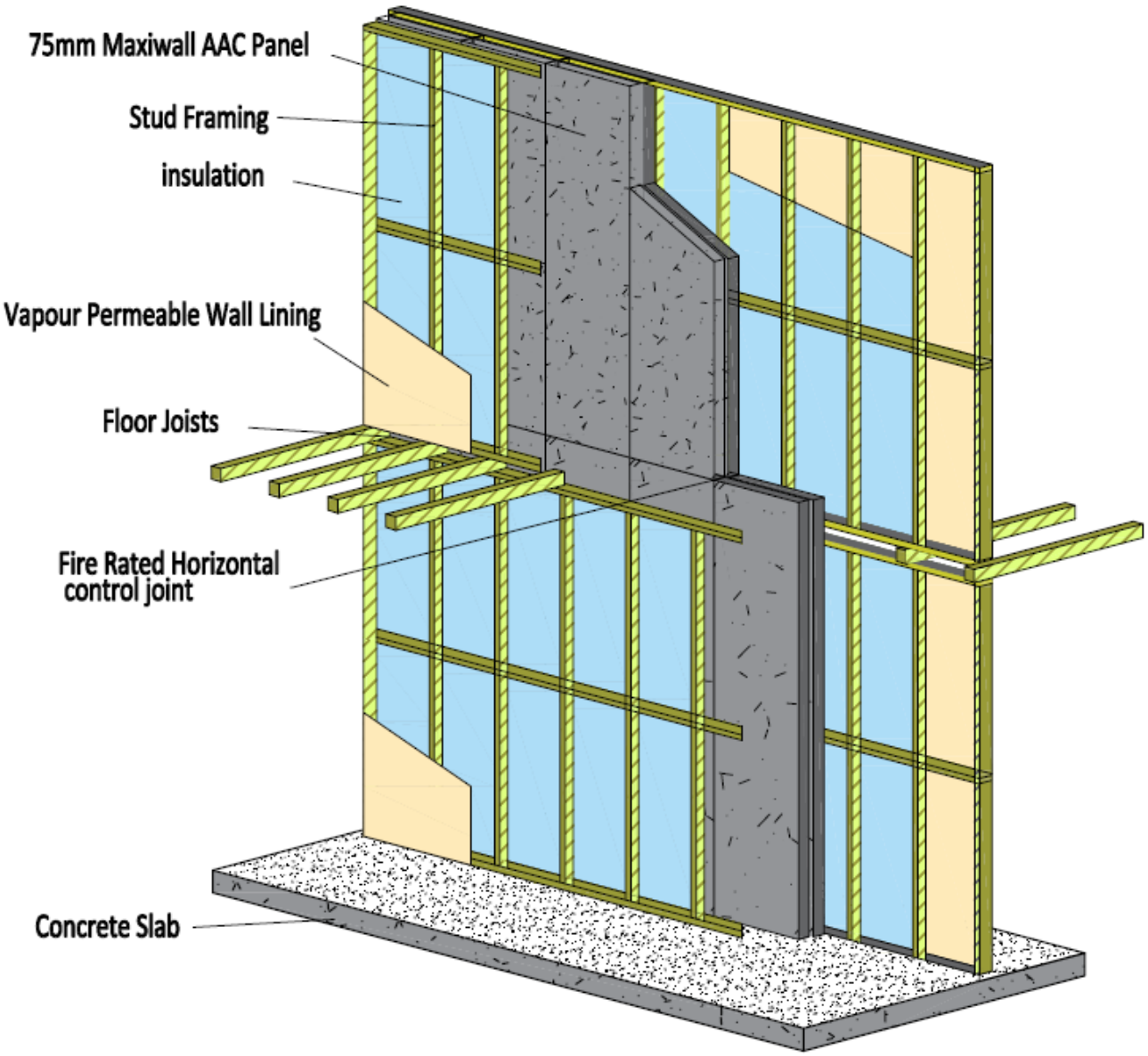
System Type	Number of Panels	Panel Installation	Fixing System
P101AB	Single	Vertical Throughout	Aluminium Angle Bracket
P201AB	Double	Vertical Throughout	Aluminium Angle Bracket

Party-wall System Overview

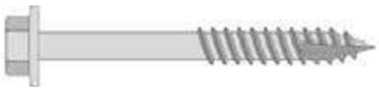
1a – Single Panel: Vertical Throughout

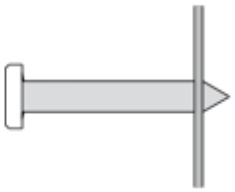


2a – Double Panel: Vertical Throughout



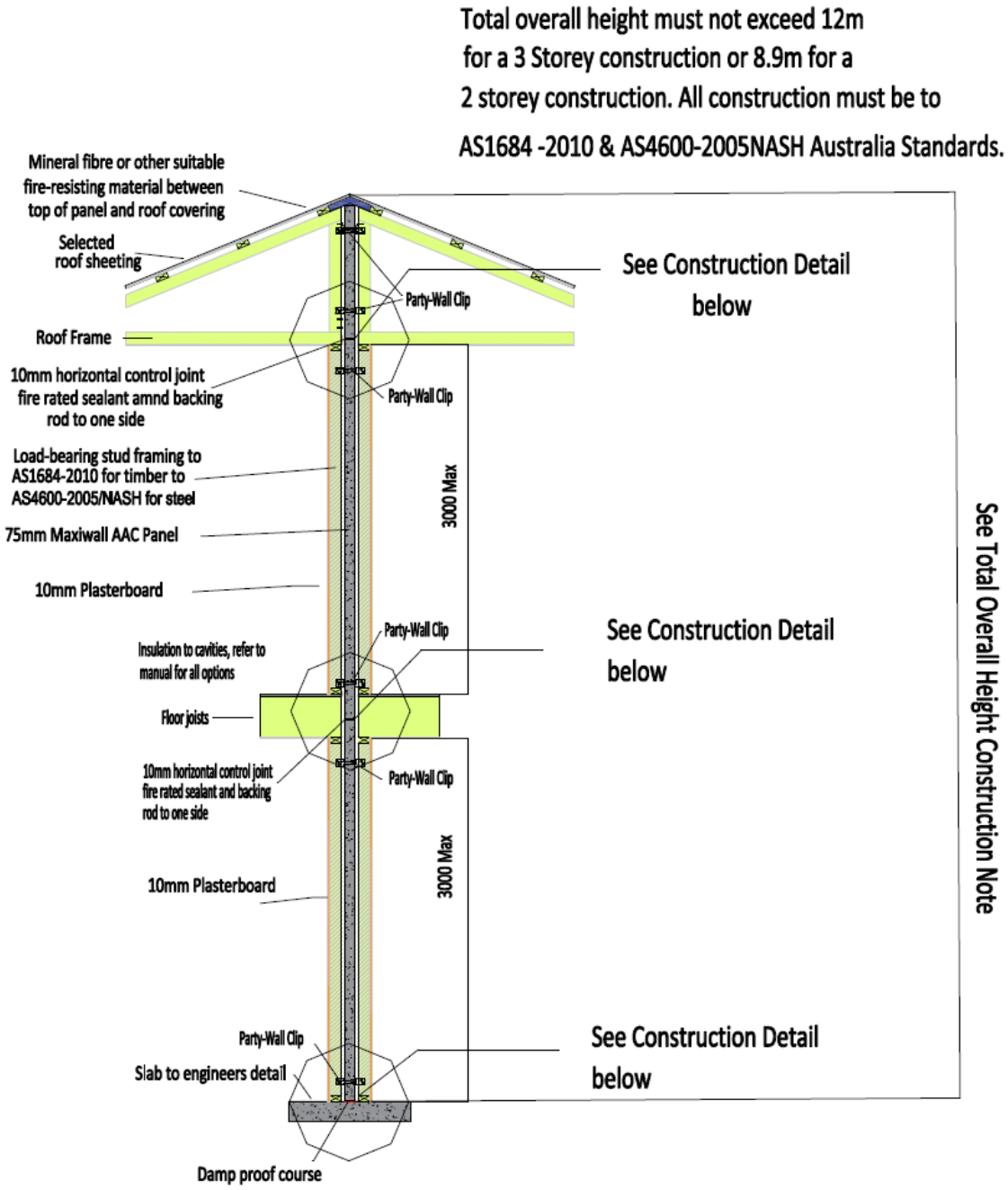
System Component

Steel Batten	24mm x 30mm x 0.42BMT or greater.	
Steel Clip	90mm x 90nn x 0.9BMT Steel clip for securing steel batten to stud frame where there is limited access.	
Aluminium Angle Bracket	70mm x 40mm x 50mm x 3.0mm thick of 6063-T6 grade.	
Steel Base Angle	50mm x 50mm x 0.88MT.	
Fasteners	14-10X65MM Type 17 Hex head screw or Bugle head. (Maxiwall Panel Connection)	
	12 - 11x35mm Type 17 Hex head screws. (Partywall Clip Connection) Timber Studs.	
	10 - 16x16mm Tek screw Hex head screw. (Partywall Clip Connection) Steel Studs.	

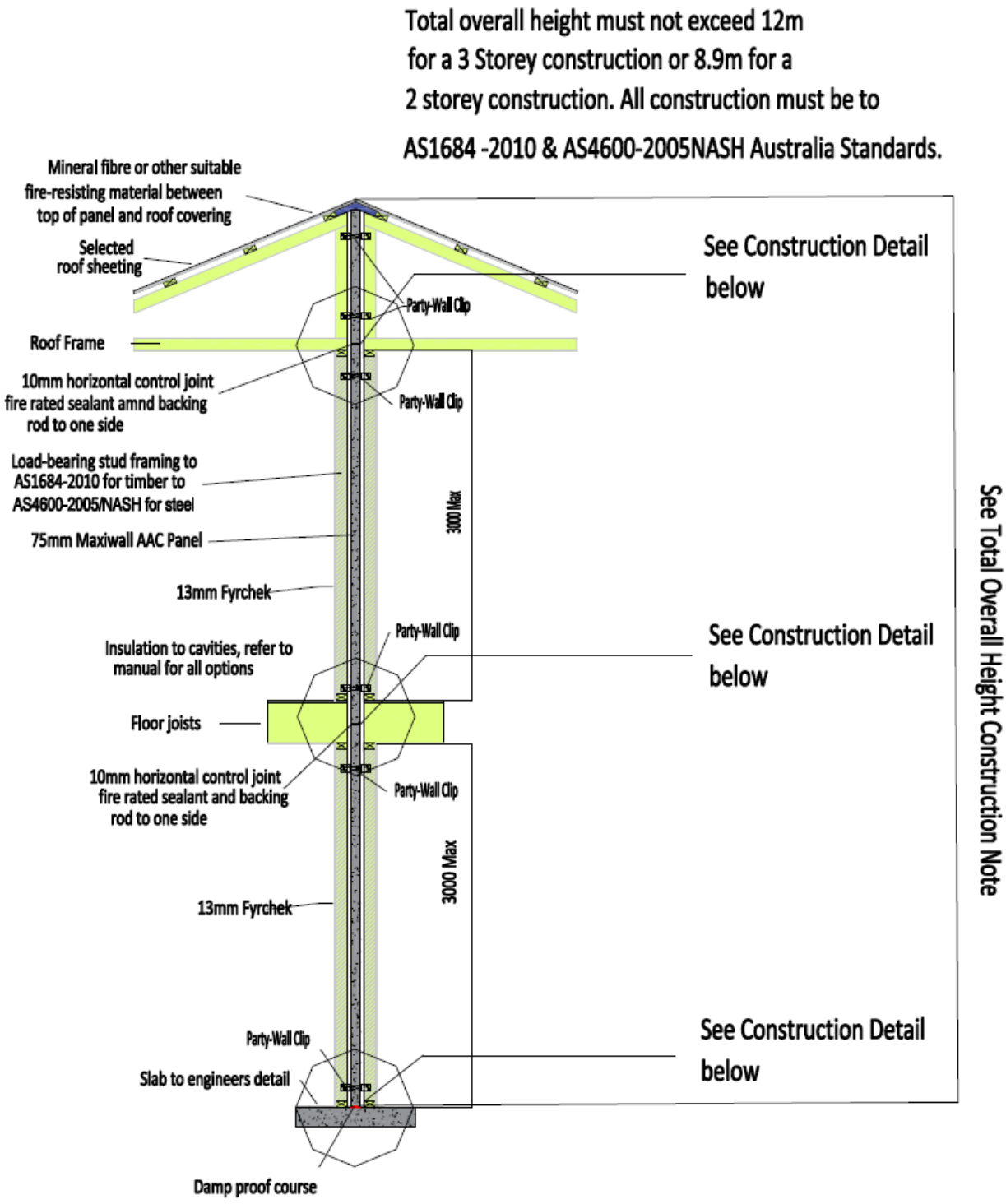
Drive Pin	2.7mm Ø x 25mm Drive pin for Fixing Base angle to Concrete Slab	
AAC Adhesive	The Adhesive for Maxiwall wal panels is a factory prepared blend of carefully selected raw materials such as cement, graded aggregates and strenghtening and performance additives. It is a dry mixed product used as a structural thin bed adhesive for adhering the panels in the construction of party wall.	
Anti-Corrosion Paint	Used for coating and protection of the exposed steel reinforcement mesh from corrosion after cutting	
Thin-Bed Mortar	A thin-bed bonding mortar with high adhesion strength specifically manufactured for the placement of Maxiwall wall panels where leveling and bonding application is required for partywall construction. The mortar helps in the integrity of an airtight construction for sound insulation and fire protection at the base of the panels	
Joint Sealant	Designed for sealing joints and wall penetration that are subjected to high Humidity and movement. The Joint sealant provides superior integrity for fire and acoustic sealing. Even when excessively stretched sealants help maintain the joint's integrity.	
Patch Compound	A pre-mixed water based jointing and patching compound used for repairing minor chips, cracks and damages particularly to the corners and edges. It can also be used as a filler compound.	

System Detail

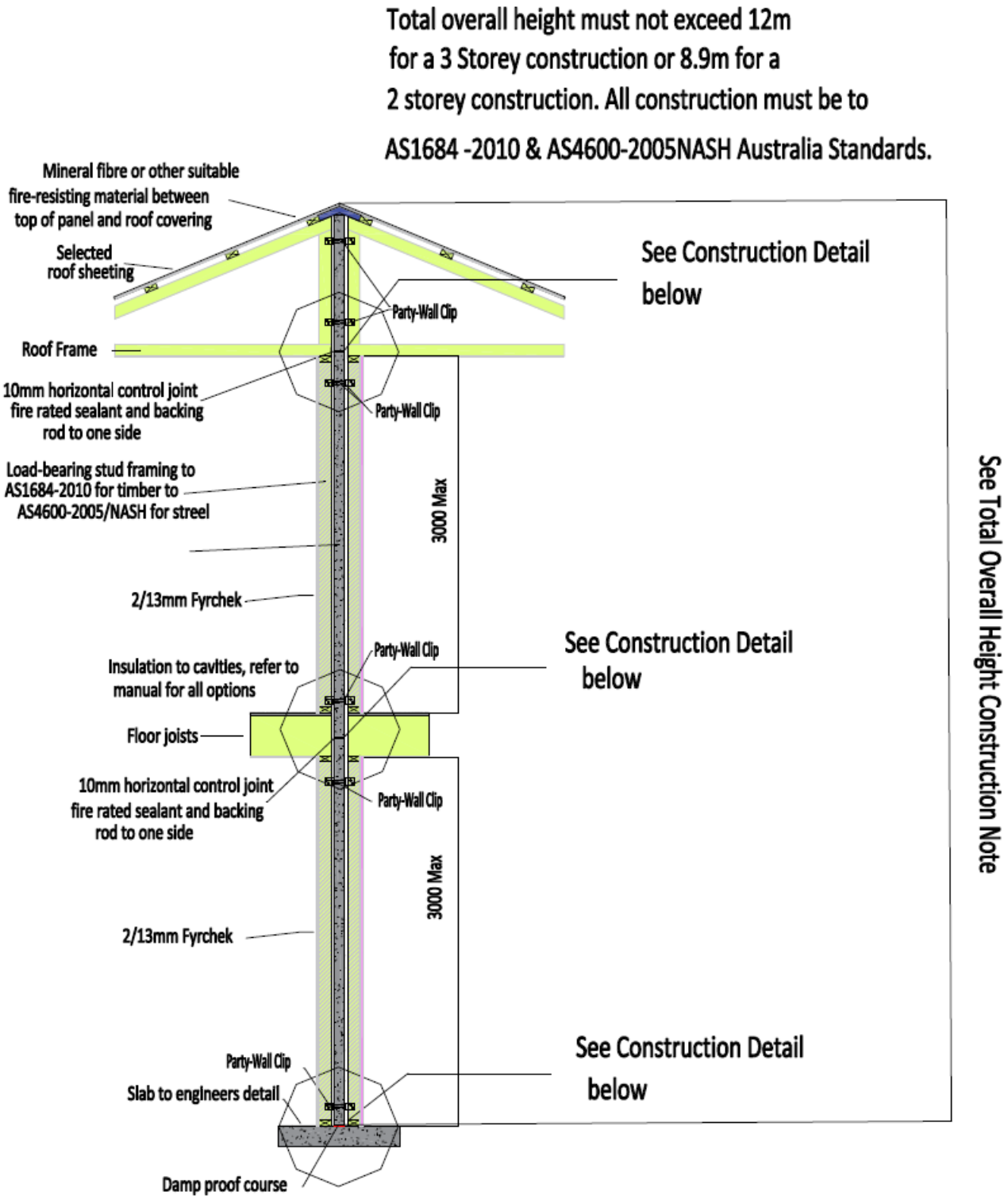
Party Wall System: 10mm Plasterboard – Detail 60/60/60



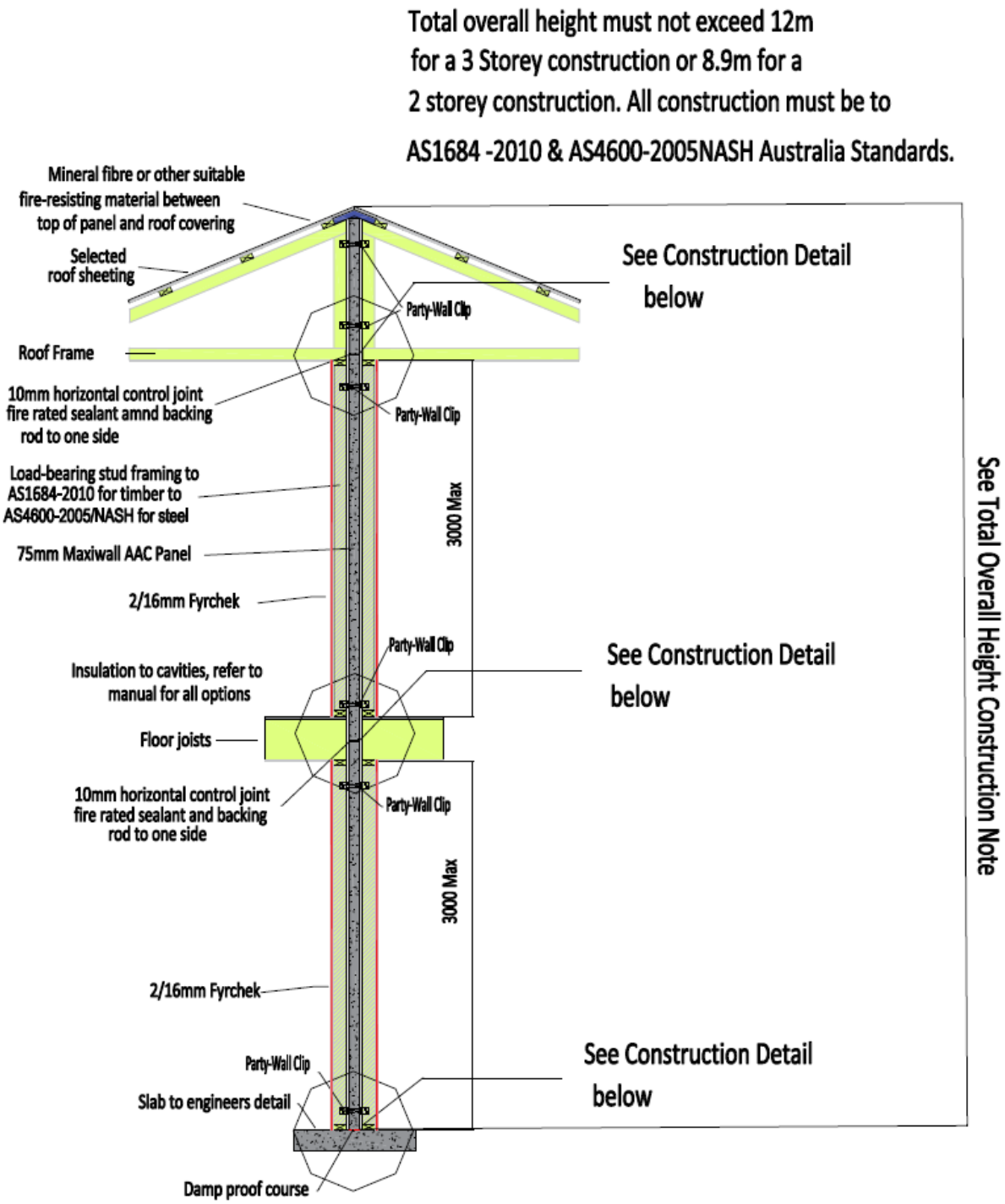
Party Wall System: 13mm Fyrchek – Detail 60/60/60



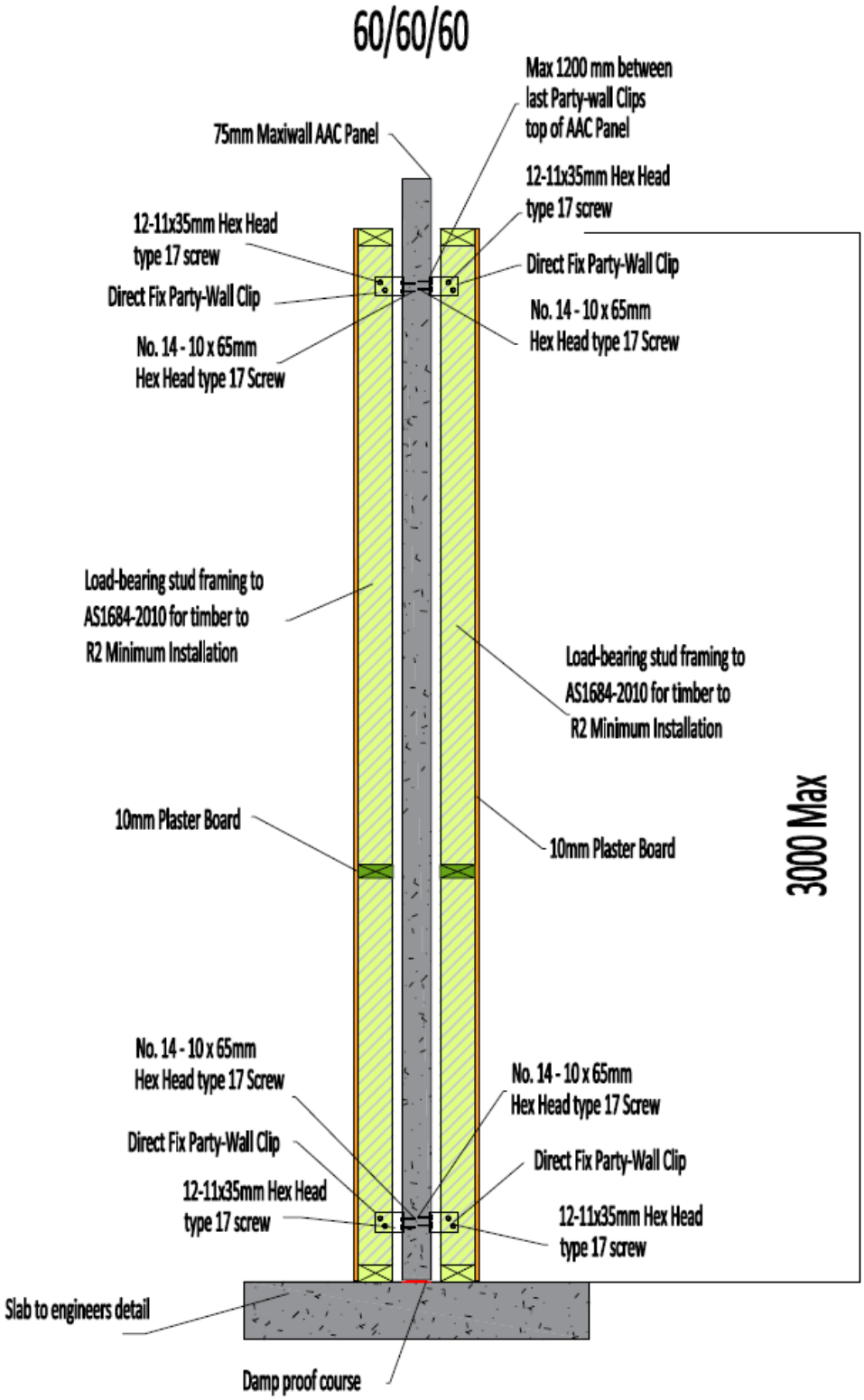
Party Wall System: 2/13mm Fyrchek– Detail 90/90/90



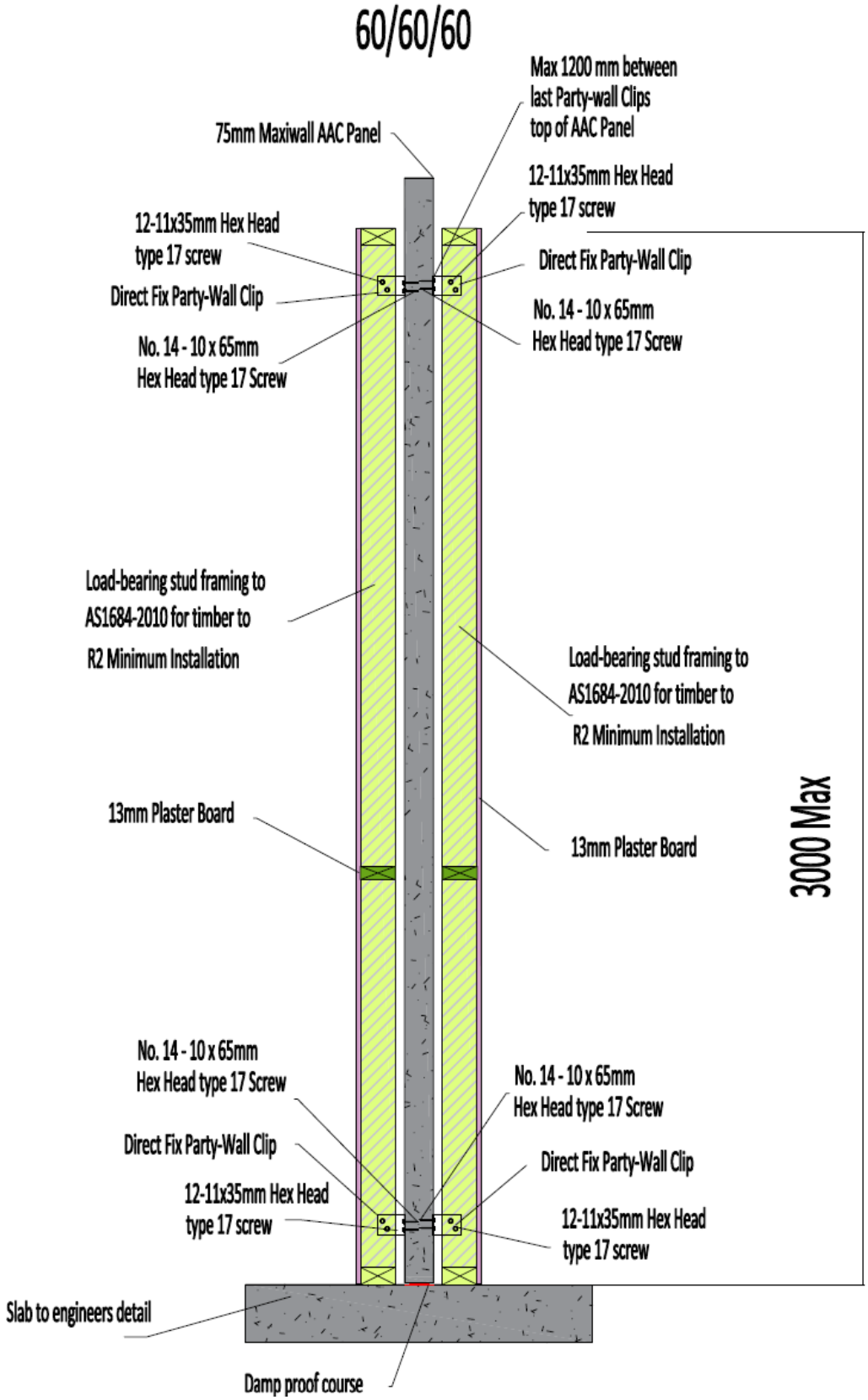
Party Wall System: 2/16mm Fyrchek –Top-Hat Connection Detail 120/120/120



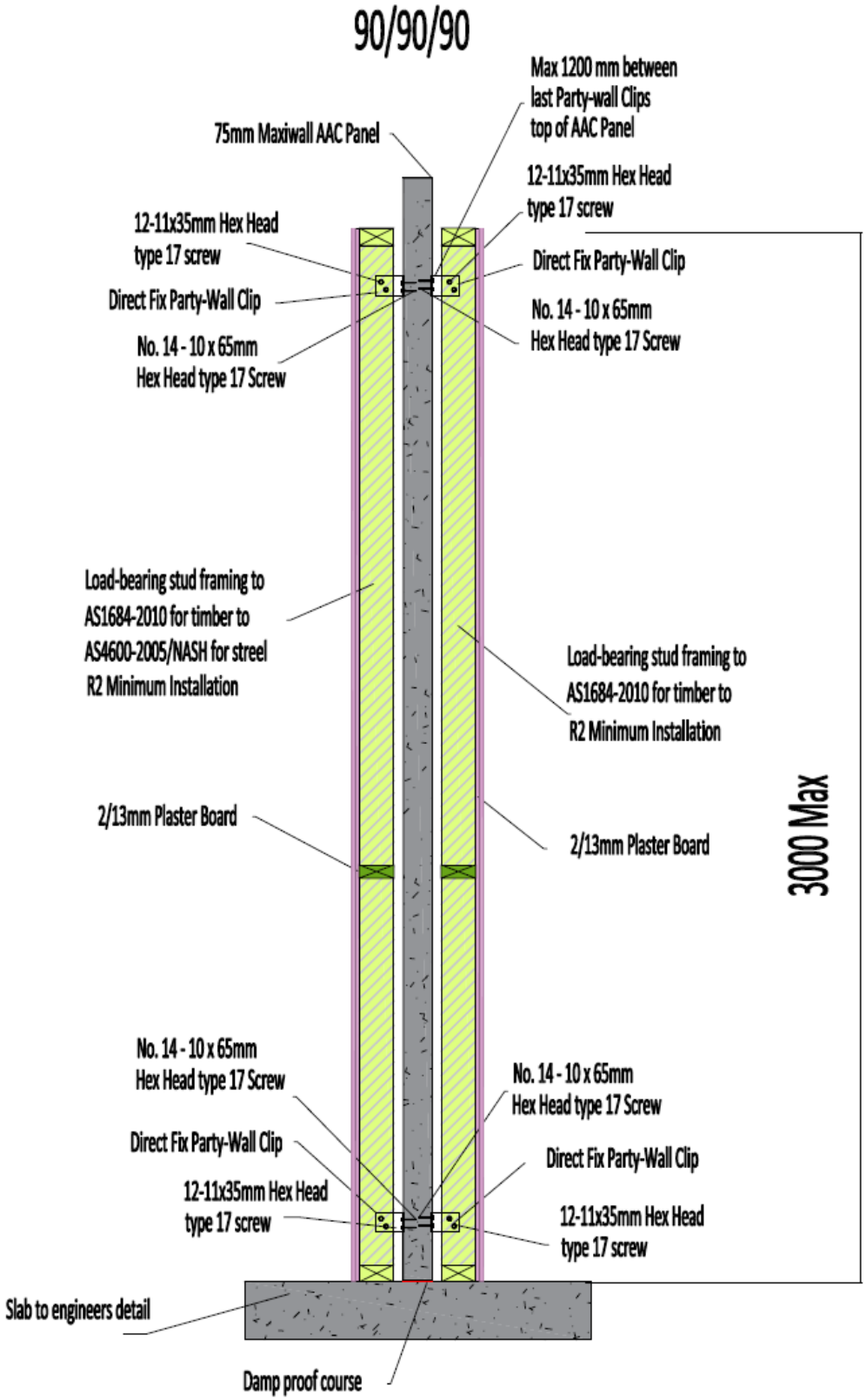
Party Wall System: 10mm Plasterboard – Party-wall Clip Connection Detail 60/60/60



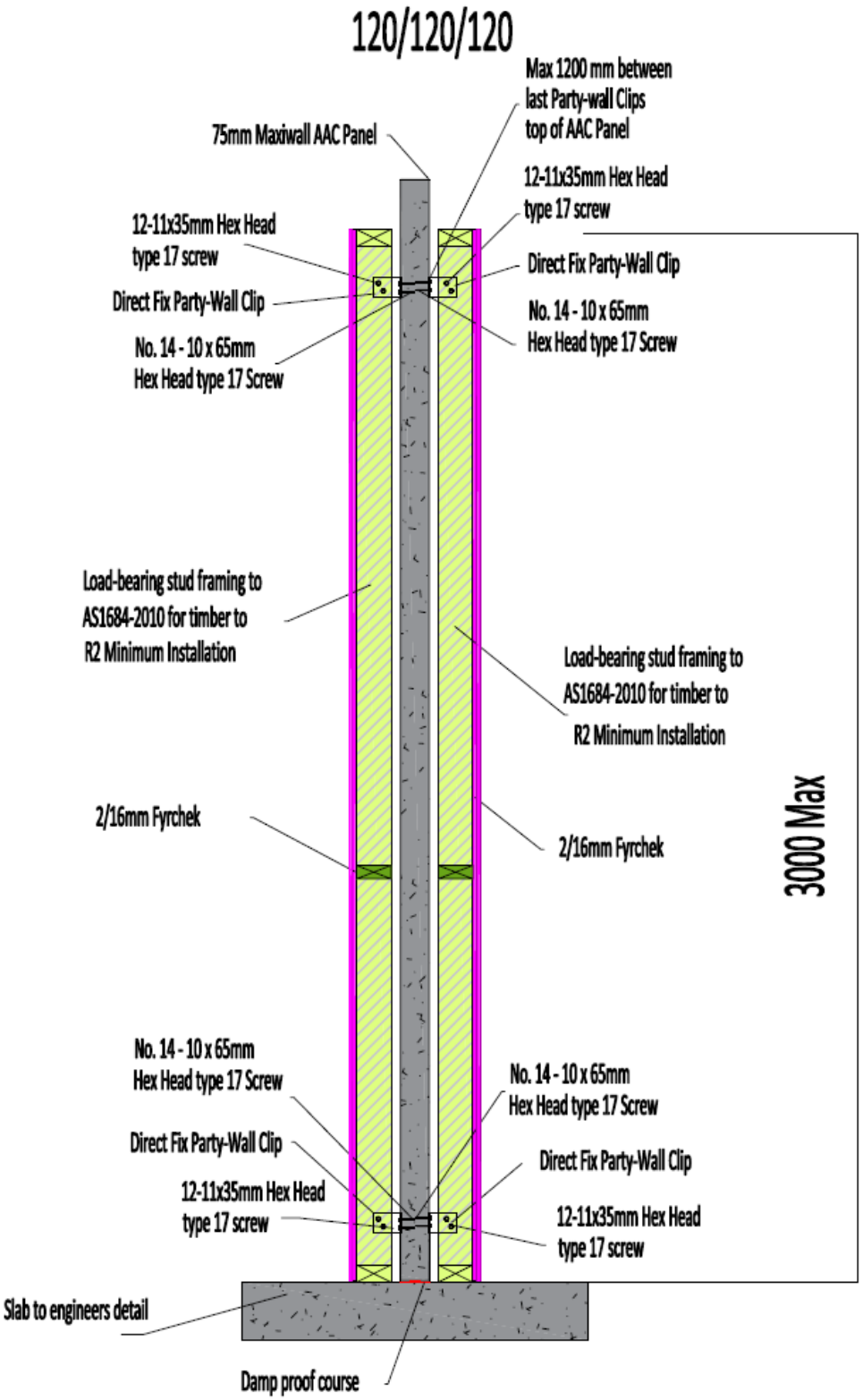
Party Wall System: 13mm Fyrchek – Party-wall Clip Connection Detail 60/60/60



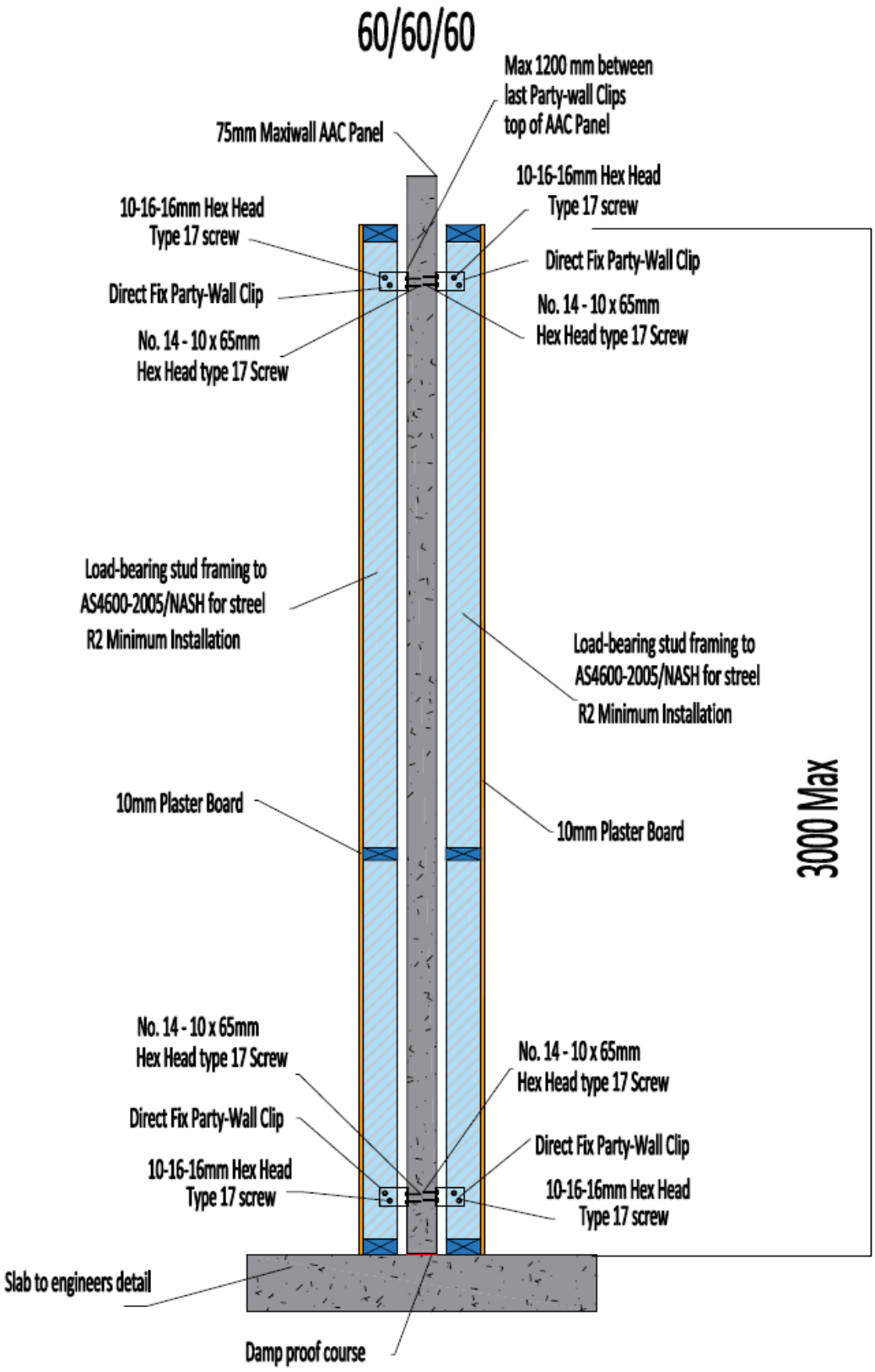
Party Wall System: 2/13mm Fyrchek – Party-wall Clip Connection Detail 90/90/90



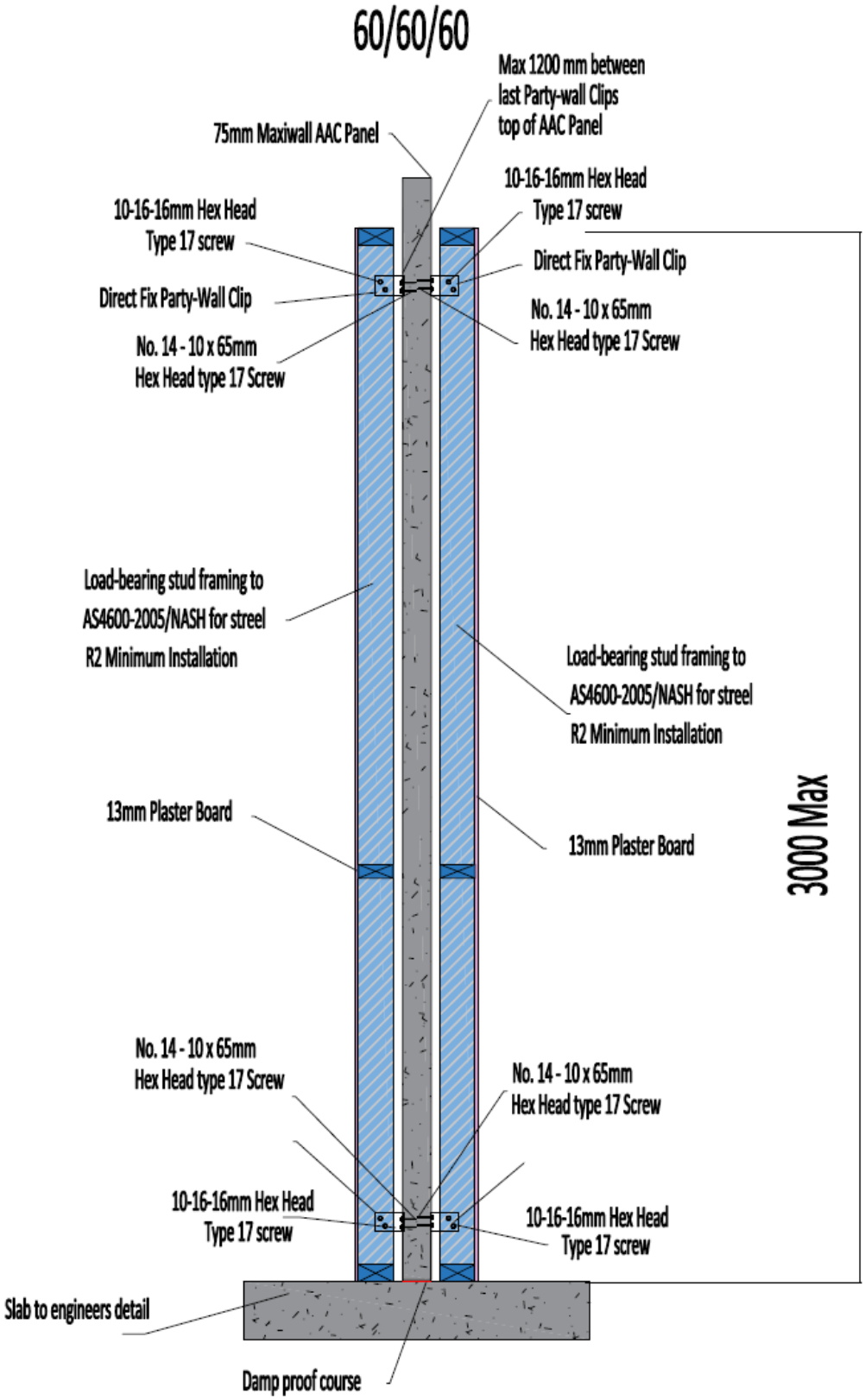
Party Wall System: 2/16mm Fyrchek – Party-wall Clip Connection Detail 120/120/120



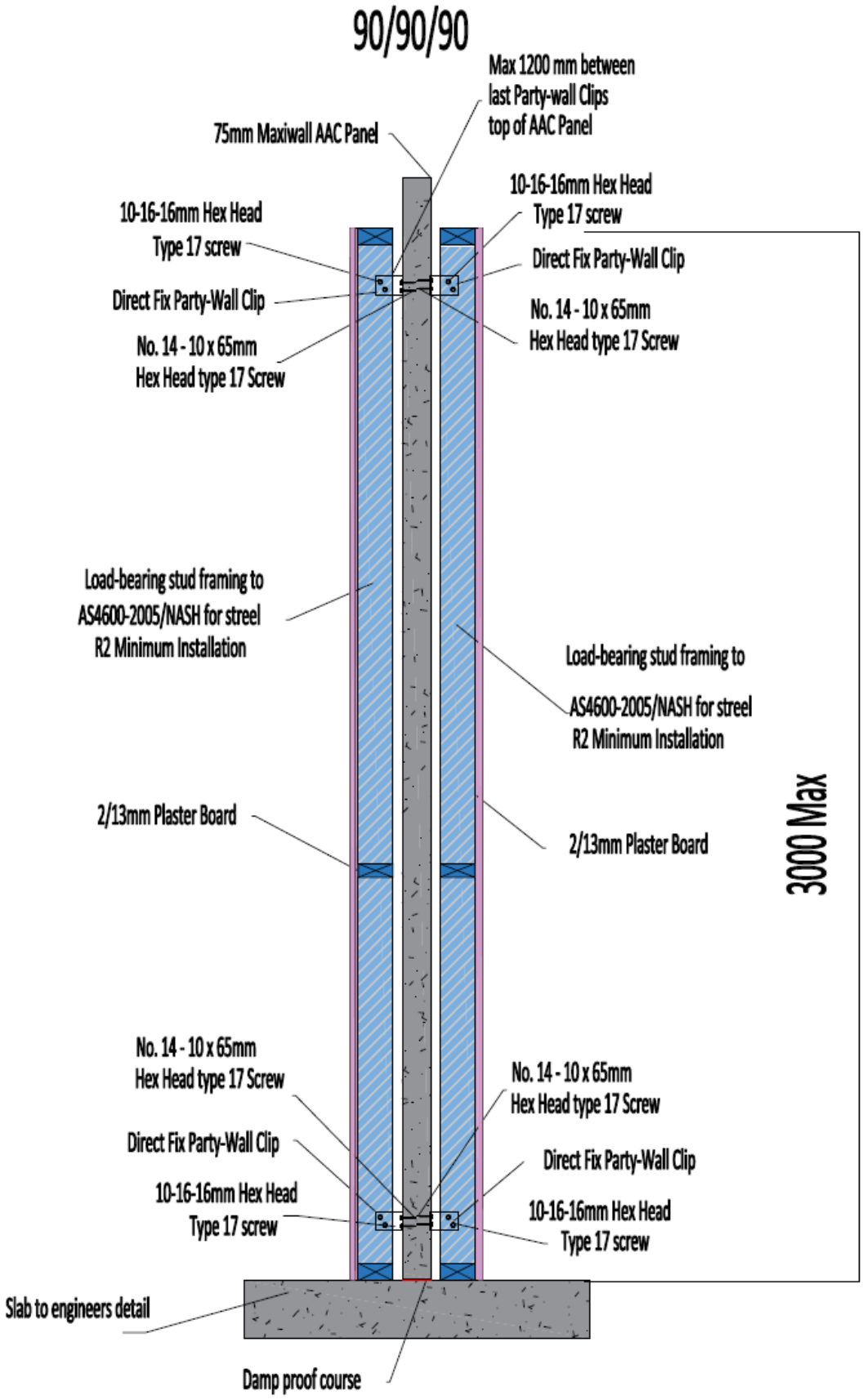
Party Wall System Steel Frame: 10mm Plasterboard – Party-wall Clip Connection Detail 60/60/60



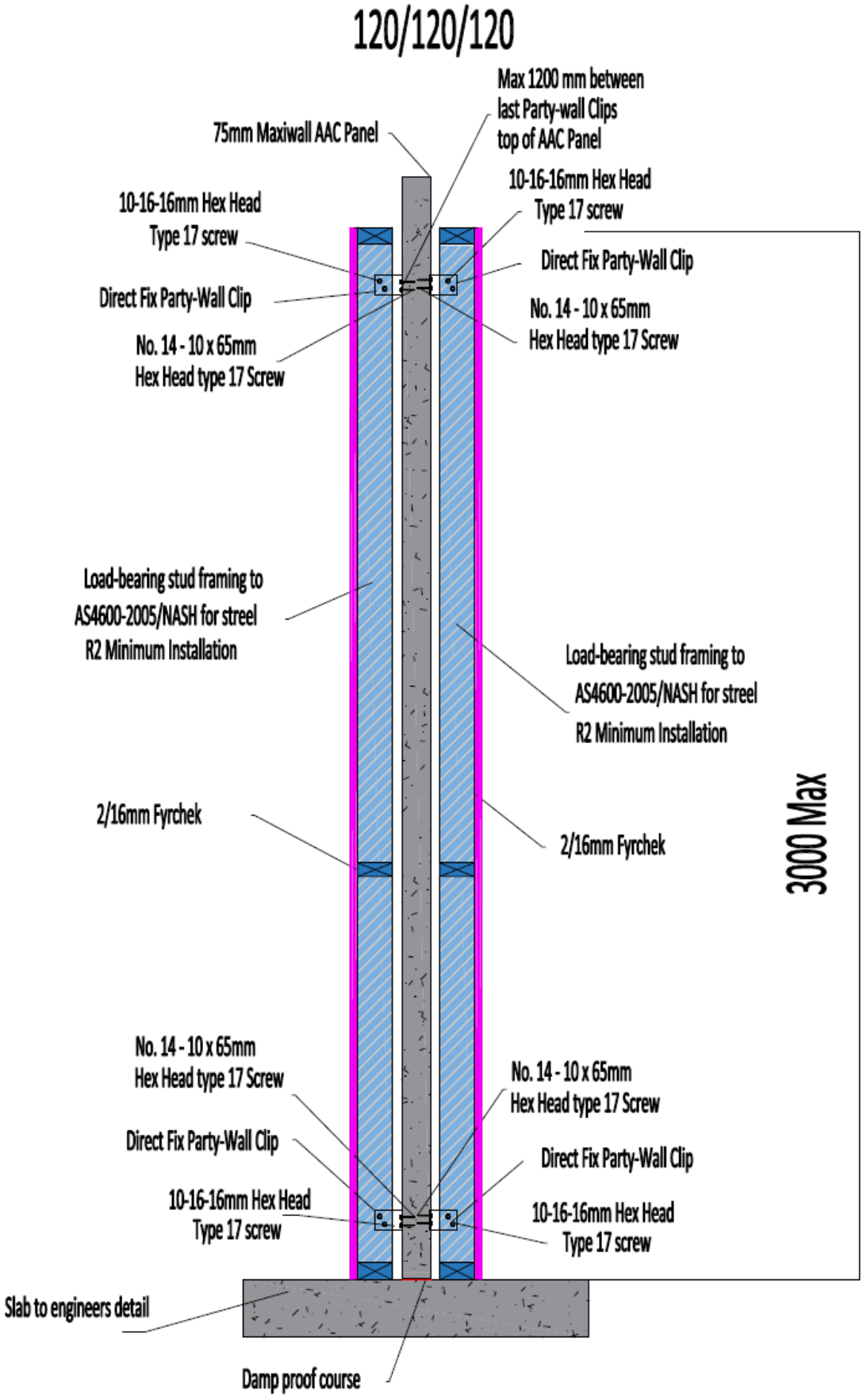
Party Wall System Steel Frame: 13mm Fyrchek – Party-wall Clip Connection Detail 60/60/60



Party Wall System Steel Frame: 2/13mm Fyrchek – Party-wall Clip Connection Detail 90/90/90

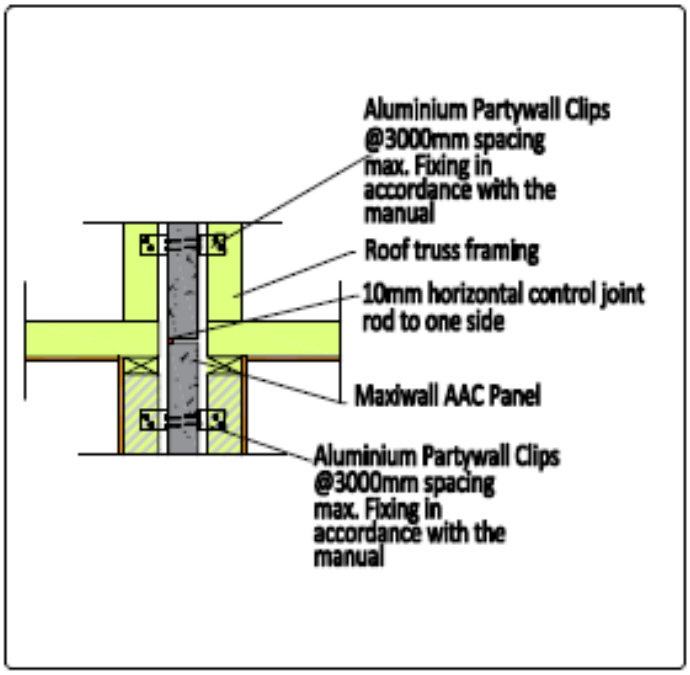


Party Wall System Steel Frame: 2/16mm Fyrchek – Party-wall Clip Connection Detail 120/120/120

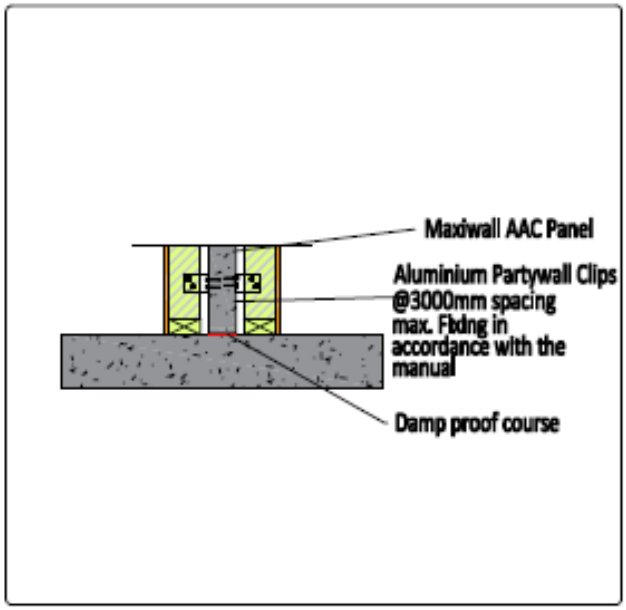


TECHNICAL CONSTRUCTION DETAILS

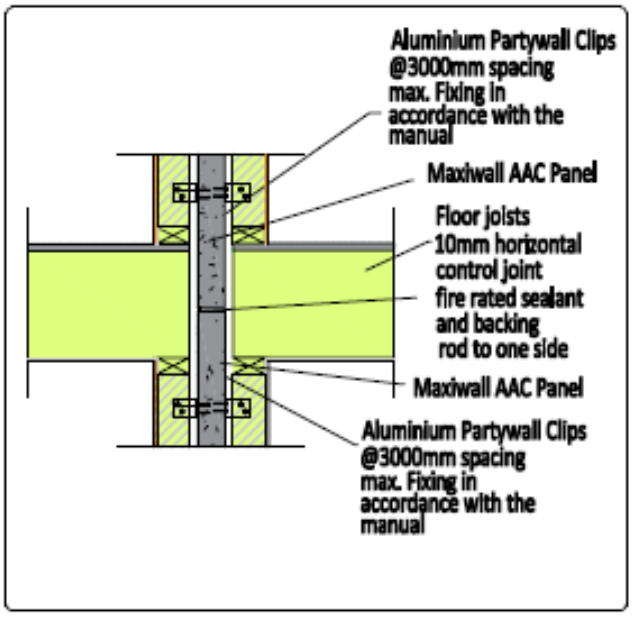
Control Joint
Detail 1a
Roof Intersection



Control Joint
Detail 1b
Slab Intersection

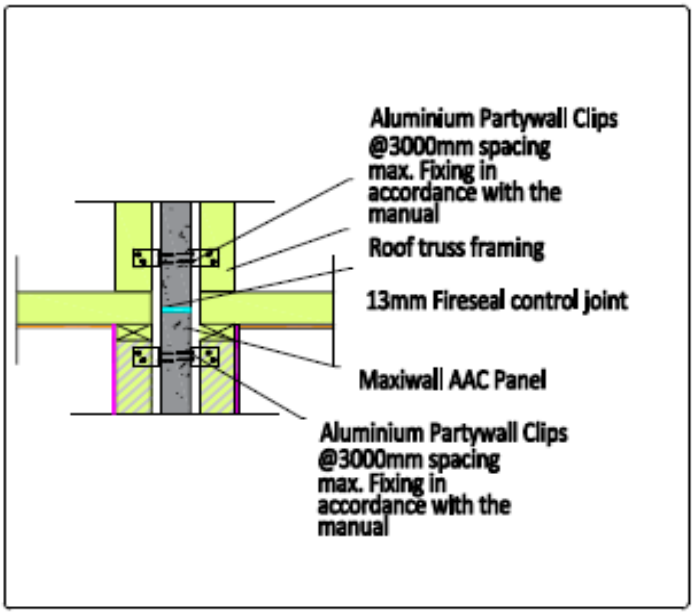


Control Joint
Detail 1c
Floor Joist intersection

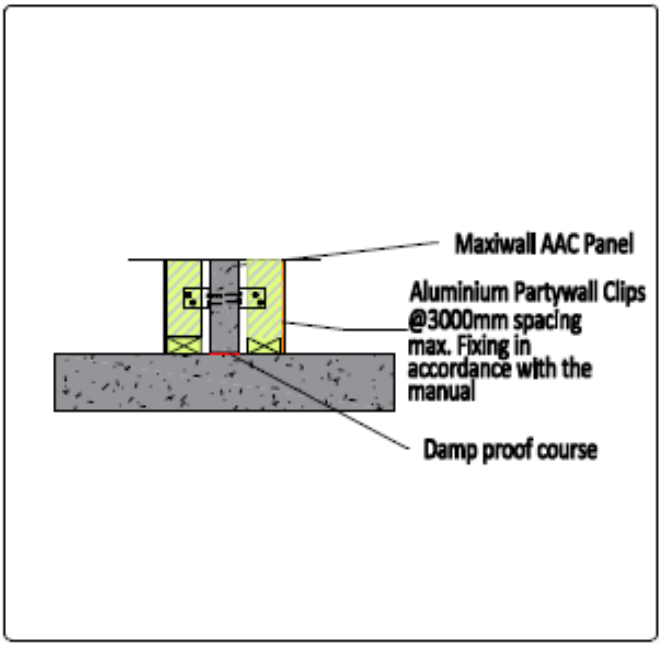


TECHNICAL CONSTRUCTION DETAILS

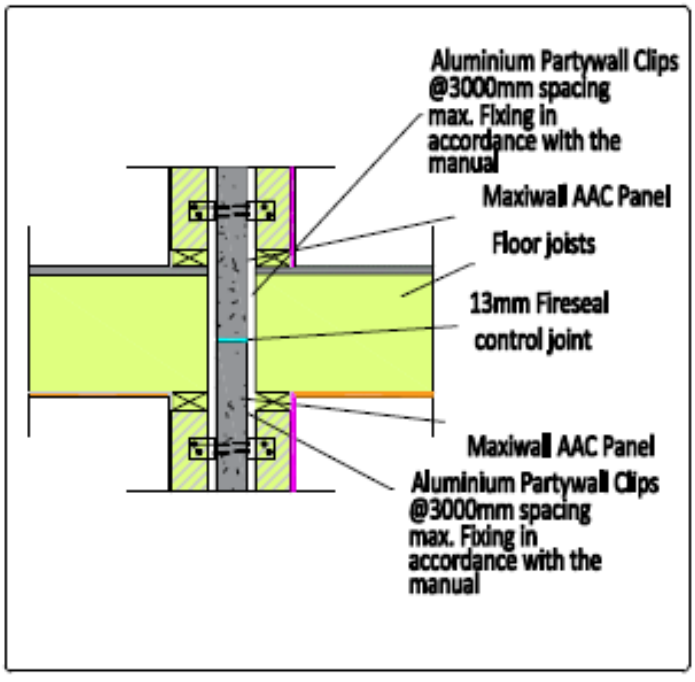
Control Joint
Detail 2a
Roof Intersection



Control Joint
Detail 2b
Slab Intersection

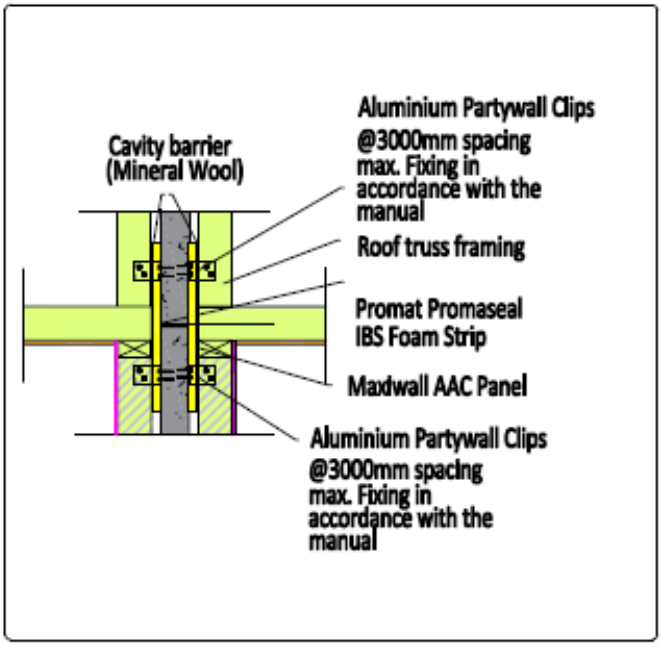


Control Joint
Detail 2c
Floor Joist intersection



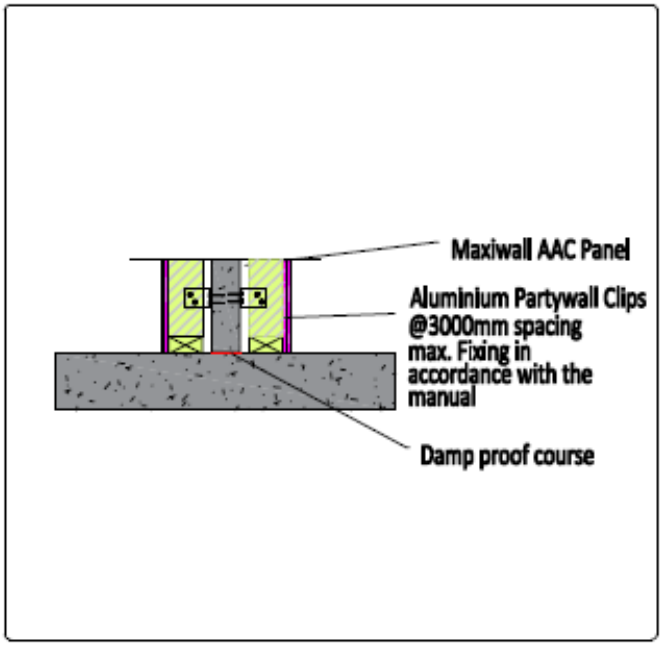
TECHNICAL CONSTRUCTION DETAILS

Control Joint
Detail 3a
Roof Intersection

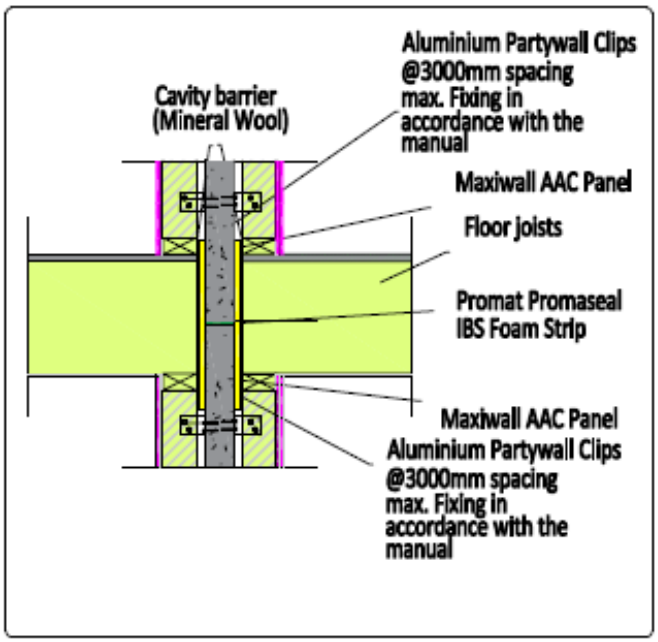


Cavity Barrier/Mineral Wool is not required in a 60/60/60 Fire Application
Class1 or Class 1a

Control Joint
Detail 3b
Slab Intersection

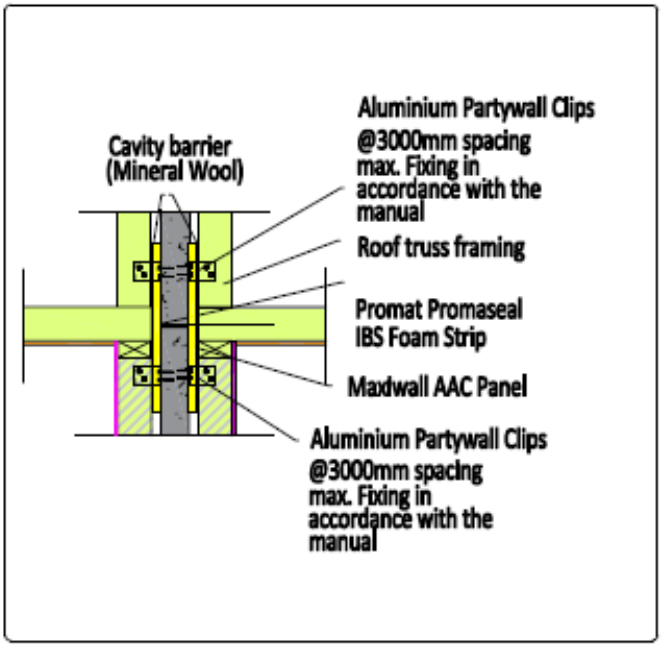


Control Joint
Detail 3c
Floor Joist intersection



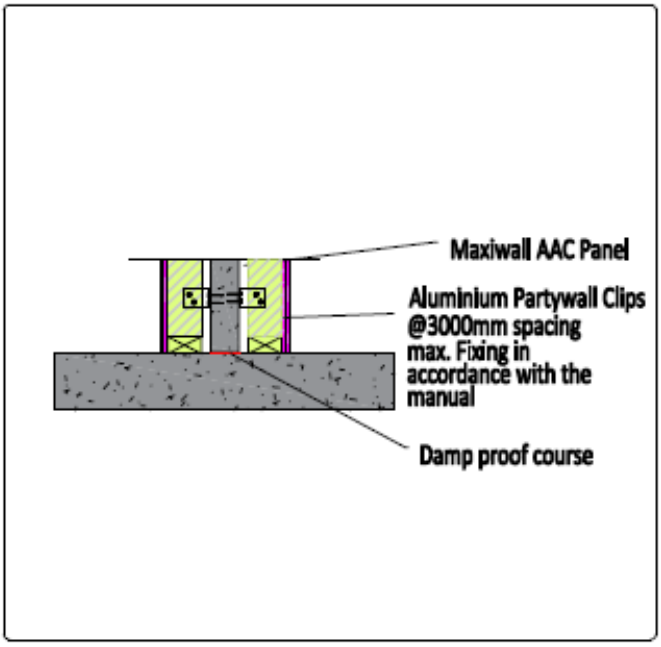
TECHNICAL CONSTRUCTION DETAILS

Control Joint
Detail 4a
Roof Intersection

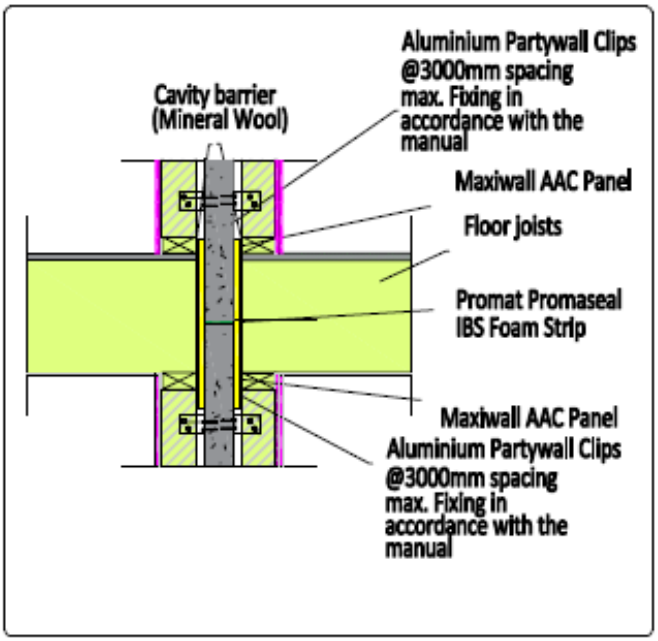


Cavity Barrier/Mineral Wool is not required in a 60/60/60 Fire Application

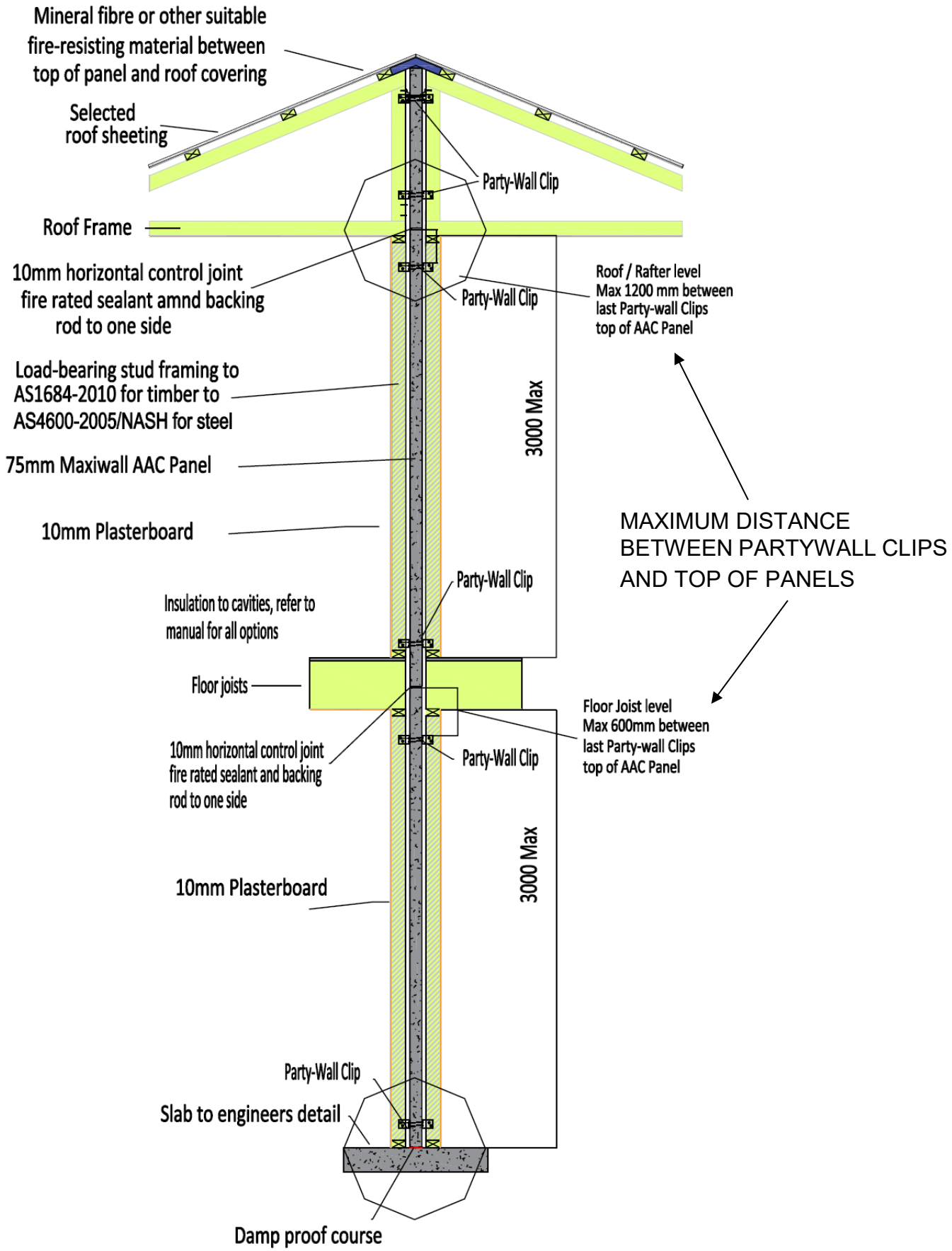
Control Joint
Detail 4b
Slab Intersection



Control Joint
Detail 4c
Floor Joist intersection



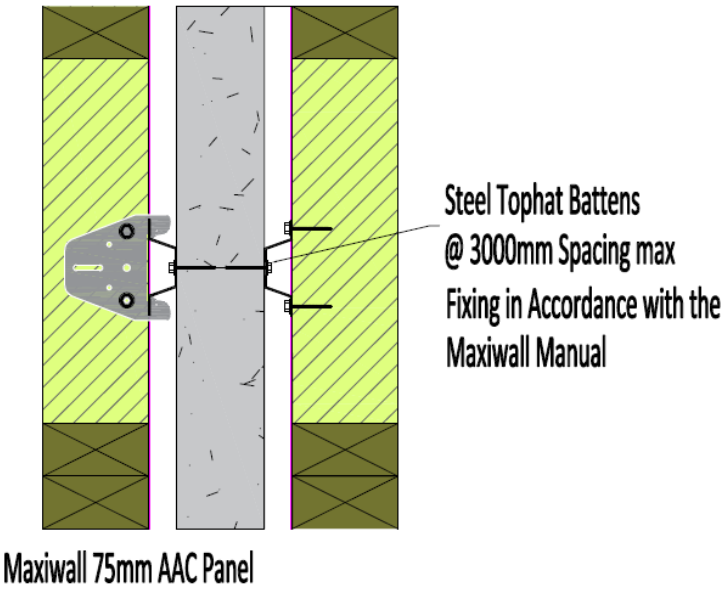
TECHNICAL CONSTRUCTION DETAILS



Alternative System

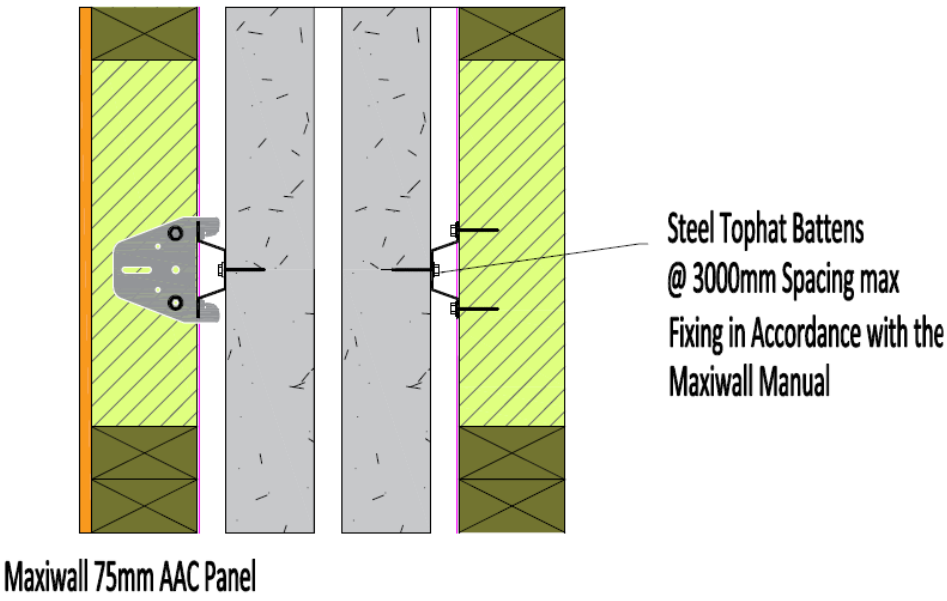
The two details below, utilising the clip connection to the stud, may be used for all top-hat systems. However, it forces the connection to be located more the 100mm away from the floor/ceiling and There-fore can only be used where ‘discontinuous construction’ is Not required in single panel Installations. For double panel installations, ‘discontinuous construction’ can still be achieved This will be Project Pacific.

1a – Single Panel Top-hat Connection



is

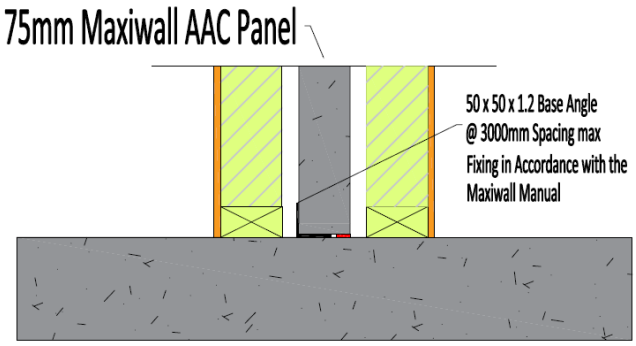
1b – Double Panel Top-hat Connection

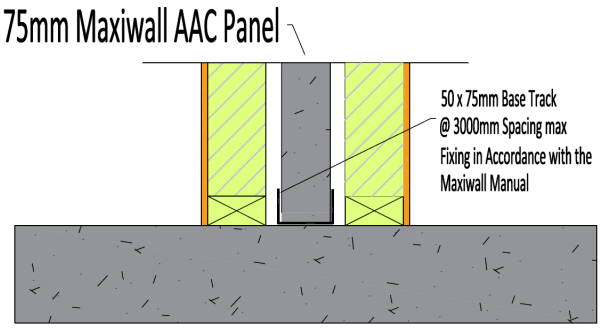


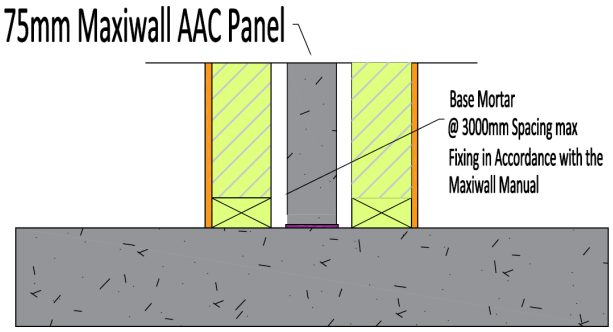
The base details options below may be used for all systems and do not affect the performance of the wall.

It can be used where discontinuous construction is specified

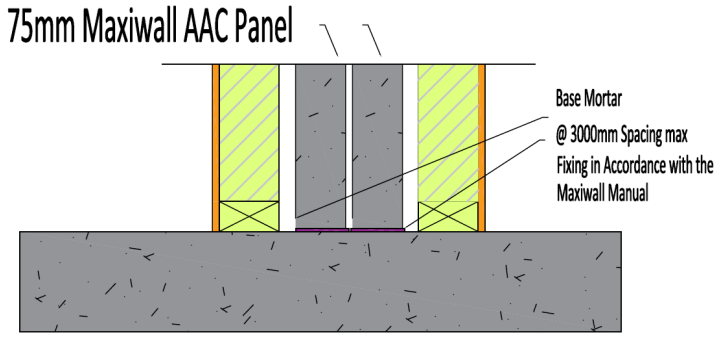
1c – Single Panel Base

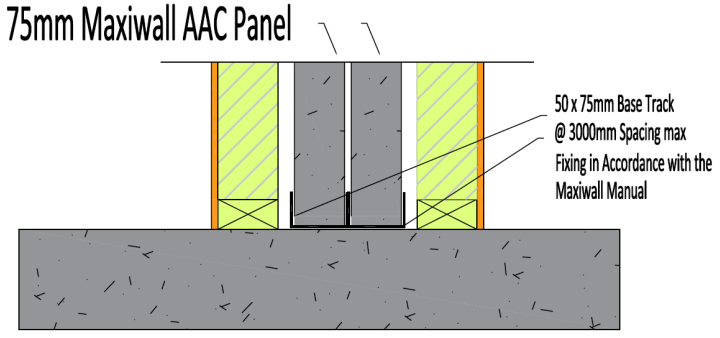




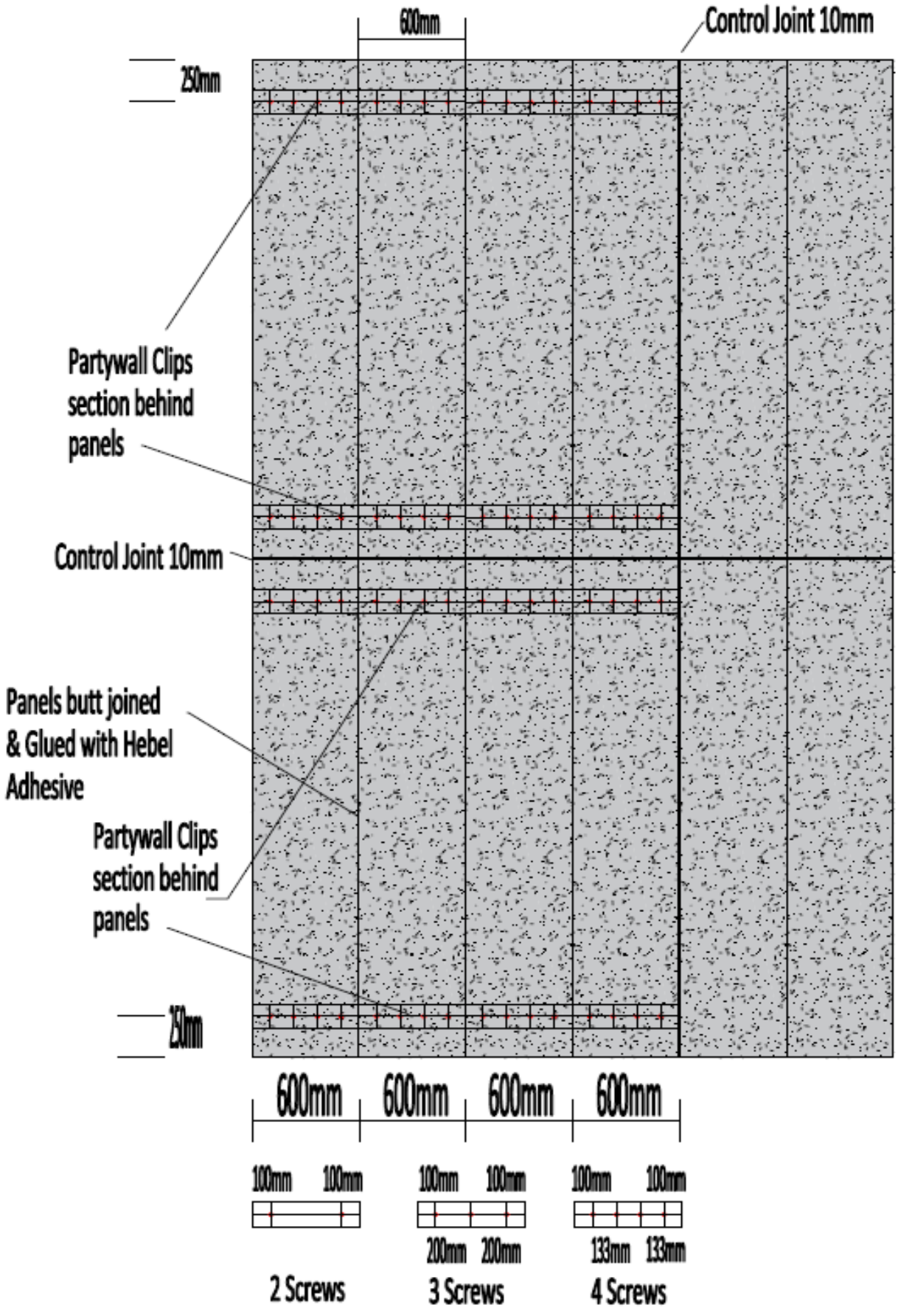


1d – Double Panel Base





Panel Fixing Options



Construction Notes

1. Control Joints

Control joints allow the movements of discontinuous building materials and prevent excess stress in the panels. They must be installed to minimise the risk of damage and ensure the FRL and acoustic performance of the wall is maintained. All control joint requirements should be project specific and prepared by the project engineer. MaxiWall approved fire rated sealant and backing rod forming a lOxlOmm joint must be used in all installations.

a. Vertical control Joints

Vertical control joints between the MaxiWall wall panels must be installed in the following locations:

- As required by the project engineer to suit site classification and slab/footing design;
- At a maximum of 6.0m centres;
- Near or at all comer intersections;
- At all changes in wall height and
- At the location of movement control joints in the supporting structure (e.g. slabs joints).

b. Horizontal Control Joints

Horizontal control joints between the MaxiWall wall panels must be installed in the following locations:

- At the top of each panel and
- At every floor frame level within the floor joist zone.

2. Mortar

Big River approved mortar can be used at the base of the MaxiWall wall panel when applicable to ensure the fire and acoustic performance of the wall system described in this manual is maintained.

3. Panel Adhesive

Big River approved panel adhesive must be used on every MaxiWall wall panel to panel junction. The adhesive must be applied along the full edge of the panel to be joined for a final joint thickness of 2-3mm. After adhesive is applied, adjoining panels should be pushed hard up against the adhesive. The excess adhesive that is squeezed out of the joint should be removed. Adhesive should not be used at the locations of control joints.

4. Fixing

The fasteners detailed in this manual have been specifically selected for use on the Maxiwall party wall system. Variation from the fastener detail in this manual is not permitted . Be careful not to over tighten the screws when using fasteners into the Maxiwall panels. Screw heads should penetrate 5-10mm into the face. The use of an appropriately selected drill torque setting is strongly recommended/ The minimum edge distance for fasteners into Maxiwall panel is
The following fixing specification should be used on all Maxiwall party-wall systems unless noted Otherwise by the design engineer or manufacturers specification.

Table 2. – Fixing Specification

Component A	Component B	Fixing Description
Maxiwall Wall Panels	Steel Battens	14-10x65mm type 17 Hex head screws at 300mm centres
Steel Battens	Maxiwall Wall Panels	14-10x65mm type 17 Hex head screws at 300mm centres
Aluminium angle bracket	Maxiwall Wall Panels	2/14-10x65mm type 17 Hex head screws at 300mm centres
Steel Battens	Stud Frame	For timber 2/12-11x 35mm type 17 Hex head screws per timber stud For Steel 2/10-16x16mm Hex head Tek screws per Steel stud
Aluminium angle bracket	Stud Frame	For timber 2/12-11x 35mm type 17 Hex head screws per timber stud For Steel 2/10-16x16mm Hex head Tek screws per Steel stud
Base fixing angle	Maxiwall Wall Panels	14-10x65mm type 17 Hex head screws at 300mm centres
Base fixing angle	Concrete slab	2.7mmØ x 25 long power actuated fastener at 600mm centres Alternatively, use M10 mechnical fasteners at 600 centres
Plasterboards	Stud Frame	Screw fixing to plasterboard manufacturer's recommendations

5. Height Limitation

The maximum floor to ceiling height that Maxiwall party-wall system can achieve while still Maintaining a 90/90/90 FRL is 3.3 Please contact Big River’s representative for advice on heights Outside this limit.

6. Plumbing and Electrical Service

Penetration and chasing of the party-wall is not permitted without a qualified professional as it may reduce the fire resistance level and acoustic range. A fire and/or acoustic engineering Consultant must be consulted as required and their guidance strictly followed if penetrations and/or Chasing is required

Installation Guide

Preparation

1. Ensure the frame meets all local building code requirements prior to panel installation. The alignment of the stud framing should be checked for plumb and straightness, with extra attention paid to corners.Initially, only one side of stud framing should be installed to allow for installation access to the panels.
2. Plan the MaxiWall wall panel layout including:
    a. Control joints
    b. Starting location (corners or wall ends are ideal)
    c. Minimise cutting of panels - cut panels should have a minimum width of 250mm
3. Install the damp proof course and termite barriers in accordance with the manufacturer's details, if required.
4. For Type AB wall systems (Party-wall clip), fix clips to the stud frame at the required spacing. For wall installations using the alternative base angle slab connection, this base angle may replace the party-wall Clip closest to the slab.

MaxiWall Wall Panel Installation

5. Where possible, pre-cut panels to speed up the installation process. Any exposed reinforcement mesh must be coated with approved anti-corrosion paint to protect from corrosion.
6. Connection details:
    a. **Standard slab connection details:** form a level base for the panels using a thin bed of mortar when necessary.
    b. **Base angle slab connection details:** place a base angle along the final panel location, leaving room for the required cavity space between the panel and stud frame. Install the full length of base angle. Over the fixing heads and base angle, form a level base for the panels using a thin bed of mortar when necessary.
7. Place the first panel into position at the centre line of the wall and fix in accordance with Table 2.
    a. For wall types installed with the **base angle slab connection,** ensure that the panel is fixed hard against the vertical leg of the angle. Ensure that panel is level and plumb and screw fix the panel to the base angle. This base angle connection replaces the bottom plate brackets or lowest steel batten as appropriate.
    b. For Type AB wall systems (bracket fixing): leave a 20mm cavity space between the stud framing and the panel by using a temporary 20mm packer. Ensure the panel is level and plumb, then screw fix two 70x40x50x3.0mm long aluminium fixing brackets (grade 6063-T6) to each of the top and bottom plates of the stud framing. Fix the aluminium fixing

brackets to the panels. Each panel should have a minimum of 2 brackets at the top and bottom, positioned 100mm in from the edges.

Apply a layer of panel adhesive along the full edge of both the existing panel and the panel to be installed. For vertical control joint locations, leave the edges of the panels clean with a 10mm nominal gap (or as specified by the project engineer).

8. Slide the next panel hard against the previously installed panel. Ensure the new panel is level and plumb and that the adhesive fully adheres the joining edges. Remove excess adhesive that has been squeezed out of the joint, then screw fix the panel into place.

9. For all further panels at the same height, repeat step 8

10. At control joint locations, install backing rod and an approved fire rated sealant to the open side of the panel in accordance with the manufacturer's details. Each skin of panels require a minimum of one side to be fire sealed.

11. Complete a check for defects such as gaps in panel joints, unsatisfactory sealant applications etc and repair any defects found to an acceptable standard.

12. For two storey construction, a horizontal control joint (10mm wide minimum) must be installed within the floor joist zone. Install the upper storey panels and control joint as per 8 to 11.

13. For wall systems with two layers of panels, form a mortar bed as per point 6a if required. Place the second layer of panels in postion seated on the mortar bed if required and temporarily fix the top of the panel in place with packing and restraints. A resilient fireproof barrier not exceeding 10mm in thickness can be inserted between the two panels to aid construction.

    a. For Type AB wall systems, install the remaining side of the stud frame with a 20mm cavity between the panels using temporary packers, then screw fix the panel to the stud frame in accordance with point 7b. Fixing bracket edge distance should be 150mm to ensure the fixing brackets are offset from the reverse side.

- Screw the battens to the panels as above prior to lifting the stud frame into position, then install the alternative clips to the battens, and screw fix the clips to the stud frame using 2 hex head screws per clip.

15. Remove any temporary packers.

16. Based on modelling, Maxiwall Zero Boundary Wall System (using a maximum cavity size batten 25mm) with omitting the installation of class 4 Vapour permeable membrane in wall, using the outer surface as a water control layer results in low moisture content over the past 10 years post installation and occupancy*.

17. The modelling is applicable for Climate Zero 5 & 6 and warmer climate zones. Where a wall wrap is installed, ensure it complies with the NCC 2022 requirements – Clause 10.8.1
    Please contact Maxiwall Technical Help for further details.

3. Acoustic Performance

The separating walls between dwellings are required by the NCC-BCA to be insulated against both airborne sound transmission and impact generated sound in some cases. The NCC requires the following:

- For airborne sound transmission a separating wall between two Class 1 buildings (dwellings) must have an RW+Ctr 50 and
- For impact generated sound a separated wall between a bathroom, sanitary compartment, laundry or kitchen and a habitable room (other than a kitchen) in an adjoining Class 1 building (dwelling) must be of 'discontinuous construction'.

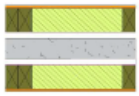
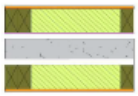
Discontinuous construction is defined as a wall having a minimum 20mm cavity between 2 separate leaves and ensuring there is no mechanical linkage between leaves except at the periphery.

The systems outlined in this manual have been tested and designed to show their performance in accordance with the requirements of the NCC.

The single leaf 75mm MaxiWall wall panel was tested to achieve an RW+(Ctr) of 34 (-2;-3). The performances of a range of wall systems are available from MaxiWall. A range of common systems are detailed in Table 3 below.

It is recommended that an acoustic consultant is engaged to provide acoustic specification and advice particularly with respect to the detailing of junctions and penetrations for each individual project.

TABLE 3

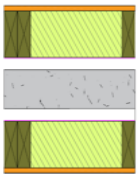
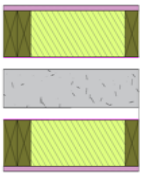
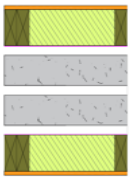
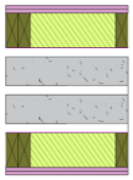
System Type	Description	Wall Thickness Stud Depth(mm) 70mm	Wall Thickness Stud Depth(mm) 90mm	Rw/Rw + Ctr Stud Depth(mm) 70mm	Rw/Rw + Ctr Stud Depth(mm) 90mm	Cavity Insulation	Wall Linning
P101AB		275	315	42/34	44/35	Nil – both cavities	1 x 10mm GYPROCK plasterboard
				61/51	63/54	90mm Bradford Gold Batt R2.0 – both cavities	
				61/51	61/51	MAB14/50 (for 70mm) & MAB14/75 (for 90mm)- both cavities	
P101AB		281	321	43/34	45/36	Nil – both cavities	1 x 13mm GYPROCK plasterboard
				64/52	67/55	90mm Bradford Gold Batt R2.0 – both cavities	
				64/51	65/52	MAB14/50 (for 70mm) & MAB14/75 (for 90mm)- both cavities	
P101AB		281	321	44/35	45/36	Nil – both cavities	1 x 13mm GYPROCK SOUNDCHEK
				67/55	70/58	90mm Bradford Gold Batt R2.0 – both cavities	
				67/52	68/55	MAB14/50 (for 70mm) & MAB14/75 (for 90mm)- both cavities	
P101AB		275	315	42/33	44/36	Nil – both cavities	1 x 10mm GYPROCK AQUACHEK 7.1 kg/m^3 (Reduced Density)
				63/51	67/56	90mm Bradford Gold Batt R2.0 – both cavities	
				63/50	65/53	MAB14/50 (for 70mm) & MAB14/75 (for 90mm)- both cavities	
P101AB		273	313	44/35	45/36	Nil – both cavities	1 x 9mm CEMINTEL fibre cement sheet
				67/55	70/58	90mm Bradford Gold Batt R2.0 – both cavities	
				67/54	68/55	MAB14/50 (for 70mm) & MAB14/75 (for 90mm)- both cavities	

NOTE: The acoustic performance opinions presented in the above table are made on the following basis:

- 20mm separation between the frame and the AAC Panel.
- Stud spacing of 600mm.
- The caulking compound shall be flexible and 100% polyurethane.
- The acoustic performance presented in Table 1 cannot be guaranteed when acrylic or part polyurethane sealants used on the wall system.
- Good quality installation practices including the sealing of all junctions and joints and maintaining specified clearances.
- The systems are installed with all junctions acoustically sealed so that negligible sound transmission occurs at these points.
- All services penetrations and the like are acoustically sealed and treated so that negligible sound transmission occurs through these points.
- The opinions are only valid for the thickness and densities of insulation.
- Flanking paths are eliminated and the structures into which the systems are installed can allow the nominated rating to be achieve

Source: Acoustic Logic Consultancy Report 20250249.1/3103A/R0/TB dated 31/03/2025.

Alternative Configuration 3a

System Type	Diagram	Description	Plasterboard Type	Stud Framing Type	Wall Thickness	RW	RW + CTR
P101AB		Plasterboard Stud Framing Insulation type 1.2 or 3 20mm cavity 75mm Maxiwall wall panel 20mm cavity Stud Framing Insulation type 1.2 or 3 Plasterboard	10mm standard	70mm timber or steel	275	62	50
			13mm standard	70mm timber or steel	315	63	51
			13mm x 2 standard	70mm timber or steel	321	65	53
			16mm x 2 Fyrchek	70mm timber	353	67	55
P102AB		Plasterboard Stud Framing Insulation type 1.2 or 3 20mm cavity 75mm Maxiwall wall panel 20mm cavity Stud Framing Insulation type 1.2 or 3 Plasterboard	10mm standard	90mm timber or steel	275	62	50
			13mm standard	90mm timber or steel	281	63	51
			13mm x 2 standard	90mm timber or steel	321	65	53
			16mm x 2 standard	90mm timber or steel	353	67	55
P201AB		Plasterboard Stud Framing Insulation type 1.2 or 3 10mm cavity 75mm Maxiwall wall panel 10mm cavity 75mm Maxiwall wall panel 10mm cavity Stud Framing Insulation type 1.2 or 3 Plasterboard	10mm standard	70mm timber or steel	340	62	50
			13mm standard	70mm timber or steel	346	63	51
			13mm x 2 standard	70mm timber or steel	372	65	53
			16mm x 2 standard	70mm timber or steel	378	67	55
P202AB		Plasterboard Stud Framing Insulation type 1.2 or 3 10mm cavity 75mm Maxiwall wall panel 10mm cavity 75mm Maxiwall wall panel 10mm cavity Stud Framing Insulation type 1.2 or 3 Plasterboard	10mm standard	90mm timber or steel	380	62	50
			13mm standard	90mm timber or steel	386	63	51
			13mm x 2 standard	90mm timber or steel	412	65	53
			16mm x 2 standard	90mm timber or steel	418	67	55

Notes regarding the acoustic performance table above:

1. All timber wall frames should be directly fixed to Maxiwall wall panels with Party-wall clips to provide secure fixing.

2. All steel stud framing is to be a minimum of 0.75. BMT

3. The various insulation types noted in the Table 3a are outlined in Table 4

4. R-Value in Table 5 is calculated based on the mean dry thermal conductivity density 10 dry (50%) as per BS EN 12602-2008 Clause 4.2.13. Table 4

5. The Acoustic Table values relating to P201AB, are all based of the below P101AB, values as a minimum RW + CTR Level.

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Product Declaration

1. Durability & Maintenance

Autoclaved aerated concrete has high porosity and relatively low alkalinity compared to traditional concrete. As a cement-based material, AAC resists water, rot, mold and mildew and can be precisely shaped and conform to tight tolerances when used in building construction.

MaxiWall wall panels have steel mesh that is coated with corrosion resistant paint applied in a two-dip coat process. If panels are cut apply anti-corrosion paint on the exposed steel. Acid, certain salts and acidic gases can attack AAC and therefore special treatment and attention is required for applications subject to these conditions.

2. Fire Resistance

The performance requirements in the NCC-BCA for separting wall states that a building must be protected from the spread of fire from another building: Part H3P1 of volume II. To comply with this condition, the NCC-BCA in Part 9.3.1 states that the wall must have an FRL of 60/60/60* and a fire resistance level of 60 minutes for structural adequacy, integrity and insulation. Refer to this section in the NCC-BCA Volume II for additional specific requirements for separating wall.

The party wall systems detailed in this manual have been designed to provide a minimum FRL of 60/60/60 exceeding the requirements of NCC. Details of the rigorous physical testing and fire appraisal process are available on request.

It is recommended that an experienced and qualified fire engineer be engaged to provide project specification and professional advice for the party wall system specific to each individual project to achieve the best buiding system outcomes and compliance with the NCC-BCA. Penetrations or chasing proposed for the project must be fully assessed by the fire engineer.

Table 4. – Insulation Specification

Type	Description
Type 1	Glasswool 75mm thick of at least 11kg/m3 density
Type 2	Polyester 75mm thick of at least 15kg/m3 density
Type 3	Earthwool type E2905 50mm thick of at least 14kg/m3 density

5. Quality Assurance

Quality is important to our business. We strive to provide our customers with products and systems that meet and exceed their expectations. MaxiWall wall panels are manufactured exclusively for Big River. The manufacturing operations and quality assurance of MaxiWall wall panels have been independently audited and certified to meet the requirements of the ISO 9001:2008 Quality Management Systems.

MaxiWall wall panels used in the party wall systems for low-rise multi-residential buildings and houses are specifically developed to combine performance attributes for structural capacity, fire resistance and acoustic insulation. Subject to the conditions and exclusions set out under the MaxiWall Warranty Statement, Big River warrants that the MaxiWall wall panels sourced from its manufacturing partners are free from defects in materials and manufacture.

6. Sustainability

Autoclaved aerated concrete offers sustainability in terms of material and performance. It uses Approximately one quarter of the concrete raw material and incorporates large quantity of air resulting In fewer raw materials used per square meter than many other building materials. It also has superior Insulation properties compared to concrete and conventional masonry and is about one-fifth of the mass of concrete. The air-tightness in the system creates an energy efficient envelope and prevents Unwanted air losses compared to conventional frame construction thus reducing energy use.

14.0 Material Handling

Panel Unloading

MaxiWall wall panels are shipped in packs of 10, stacked on the longitudinal edge. The packs are strapped to strengthened timber pallets and are wrapped in resilient plastic sheeting. Crane slings and forklifts may be used in accordance with standard industry practice. The Project Engineer is cautioned regarding the initial delivery of the panel packs that should be unloaded as close as possible to the installation area. Secondary handling of the panels increases the risk of damage, and installation of damaged panels may void the warranty.

Storage & Protection

MaxiWall wall panel packs, when on construction site must be stored on a flat-grade level that is not prone to standing water, erosion or settling. It must be left on its edge to avoid sagging. The packs may be stacked up to 3 packs high on flat load-bearing stable platform so far as is reasonably practical and safe for workers and others. The packs should not be stacked if stored on un-level and natural ground.

MaxiWall wall panels should ideally be kept dry with attention paid to protecting panel ends, edges and surfaces. In adverse weather conditions the panels must be kept covered. Do not "shake-out" stored panels until they are ready to be installed. MaxiWall wall panels with a central single layer of reinforcement and length over 1800mm are at risk of cracking under their self-weight when carried or lifted from the horizontal or tilted from the vertical position. Adequate support must be provided when lifting. Panels must always be carried edge up. Lifting equipment must be used when necessary.

Most chipped corners and edges can be repaired with MaxiWall's approved patching compounds. If reinforcing steel mesh is visible it must be protected using the approved touch-up paint. Panels that have surface or minor cracks are usable but if not sure contact an authorized Big River representative.

Health & Safety

Safety Data Sheets (SDS) are provided with all MaxiWall wall panels including major components associated with the system such as coatings, patching compound, thin-bed adhesive and reinforcement touch-up paint. AAC building products contain Crystalline Silica (Quartz) that as dust is produced during cutting, grinding or drilling. It is categorized as a health hazard when inhaled.
Approved dust masks and protective safety glasses or goggles must be worn for dust generating operations.

All AAC products are to be handled and worked on-site with the appropriate protective clothing. Protective gloves must be used for all construction operations. It is the responsibility of the builder/site supervisor to ensure that installation contractors adhere to safe work practices and suitable clothing.

Material Property

Table 5. Maxiwall Wall Panel Physical Properties & Tolerances

Length (mm)	Panel Weight (kg)	10 Panels on wallet Weight (kg)
2400	58	585
2550	62	625
2700	66	665
2850	69	695
3000	73	735
3300	81	810
Thickness 75mm, Width 600mm		

No	Description	Characteristics	Specification
1	Dimensional tolerance	Length Width Thickness	≤+5.0mm ≤+1.5mm ≤+1.5mm
2	Physical	Dry Density Working Density at 35% Moisture Content Average Service Life Density at 10% Moisture Content	≤400kg m^3 ≤540kg m^3 ≤440kg m^3
3	Strength	Compresive Strength Modulus of Rupture	≤ 2.8 MPA ≤ 0.4 MPA
4	Acoustic	Weighted sound reduction	30.dB RW+Ctr
5	Thermal	Thermal Resistance value (R-value)	0.600
6	Steel mesh	Position from center of panel	+3.0mm

MAXIWALL

CodeMark Australia | CMI Certification Certificate CM40434

About boundary walls

Maxiwall boundary and dual boundary walls are systems where dwellings are no longer attached. They allow developers to better manage cash-flow by building one apartment at a time. Similarly, it is an effective solution when lenders require separate property titles. Also, they are ideal for Torrens Title developments. At just 75mm thick, the Maxiwall 75 is a smart choice for this type of construction.

Maxiwall 75mm make construction fast and easy to build using minimal accessories compared to other wall systems. They do not require the installation of fire-rated plasterboard between floor levels at joists and in the roof space. Adding to this, they are highly resistant to weather so can be installed in damp conditions. Builders should use the Hebel hoist system to enable all frames to be constructed first.

Low Rise Multi Residential

Zero Lot Boundary Wall System

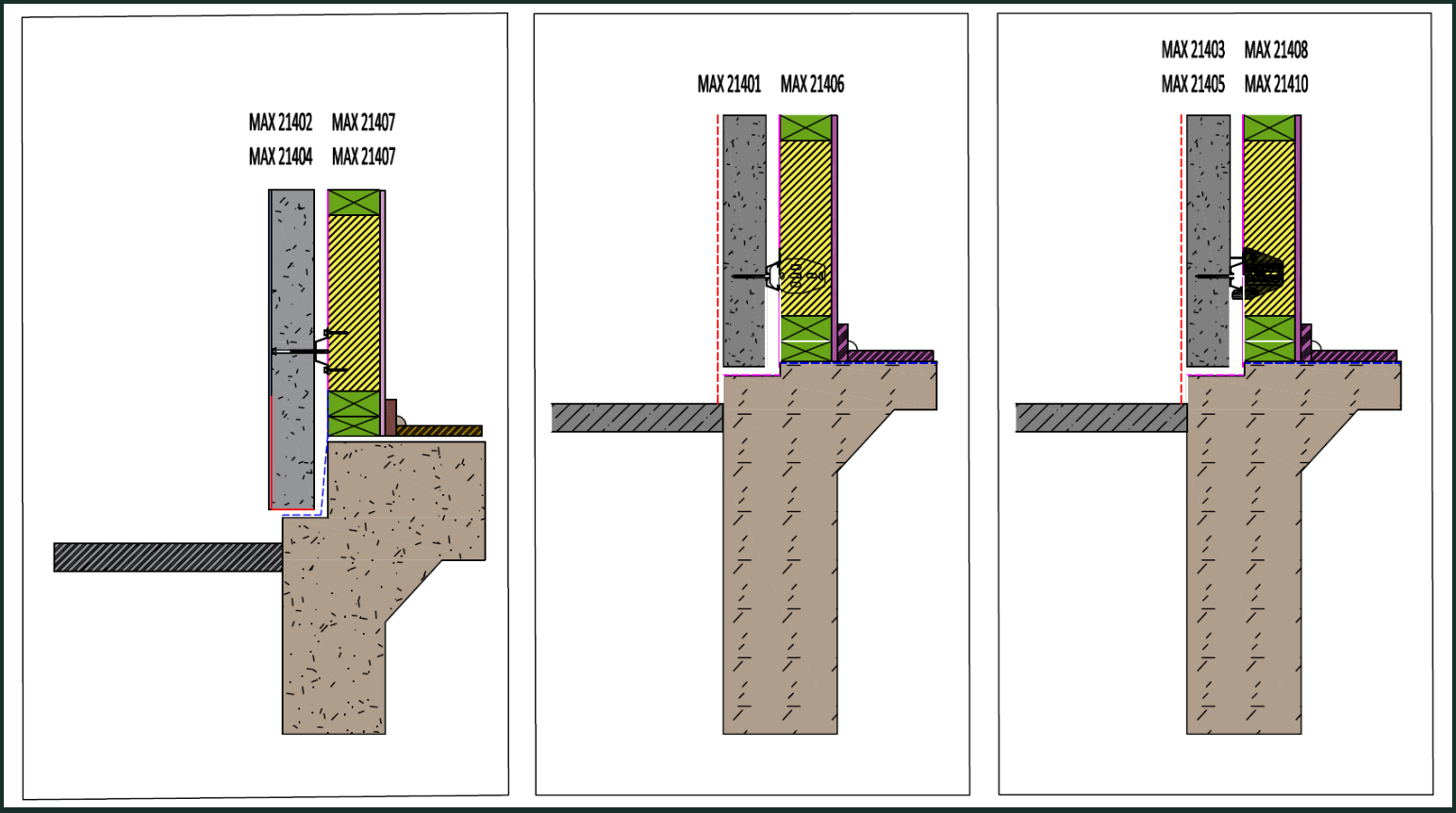


Table 1.1.1 Maxiwall Low Rise Multi Residental Zero Lot Boundary Wall Systems

System		Nominal Wall Thickness		Cavity	System installation	FRL
Stud Depth		Stud Depth				
70mm	90mm	70mm	90mm			
MAX21401	MAX21406	146	166	16mm top hat (Rondo 301)	RONDO 301 (16mm) batten fixed to frame with RONDO 314 cli	90/90/90
MAX21402	MAX21407	154	174	24mm top hat	24mm top hat direct fixed to frame	90/90/90
MAX21403	MAX21408				24mm top hat direct fixed to frame with stud clip	
MAX21404	MAX21409	165	185	35mm top hat	35mm top hat direct fixed to frame	90/90/90
MAX21405	MAX21410				35mm top hat direct fixed to frame with stud clip	

NOTES

1. The fire Resistance Level (FRL) is only achieved from panel side.

1.2 STRUCTURAL PROVISIONS

OVERVIEW

The Maxiwall 75mm External Wall System consists of Maxiwall 75mmm panels secured to the framing via horizontal steel top hats. This section provides the basic information on the selection of top hat spacings for a given stud spacing and wind category, as well as considerations to assist the designer in determining the appropriate wall configuration.

Notes
1: Negative pressure indicates wind suction.
2: All top hats to be spaced evenly, with top and bottom hats installed 250mm (maximum from end of the Maxiwall Panel.
3: Corner panel location applies to a Maxiwall 75mm Panel within 1200 of Corners.
4: Provide additional top hat if the top and bottom top hat is installed greater than 250mm (up to 450mm max. from the end of the Maxiwall 75mm Panel).
5 Install direct fix clip on every stud frame to match stud spacing.

The design information presented in Tables 2.1.3 has been determined for 16mm RONDO 301 batten, 24mm and 35mm Hebel perforated top hat section.

Minimum performance requirements for the metal studs, Maxiwall Perforated Top Hats, fixings and Maxiwall 75mm Panel have been provided to assist the designer.

IMPORTANT: The design and approval of the structural framing (cold-formed steel or timber) is to be provided by the framing product manufacturer and/or project engineer.

CUTTING OF MAXIWALL 75MM

The standard Maxiwall 75mm can be reduced in width to a minimum of 270mm when used in an intertenancy wall application. All exposed steel reinforcement shall be liberally coated with Anti-Corrosion Protection Paint available through Big River group

WALL FRAME

The wall framing presented in this guide for various wall systems is nominated for the acoustic and fire performance values. It is the designer's responsibility to determine an appropriate wall framing system to satisfy structural adequacy. Several items the designer must allow for are:

- lateral loadings
- wall height
- deflection limits
- offset distance (gap) from the panel
- building movement
- control joint locations.

WALL HEIGHT

The overall wall height limit is 15m for the Maxiwall 75mm Zero Lot Boundary Wall System. The walls shall be constructed of Maxiwall 75mm of 3300mm maximum length.

Please contact Technical team for further information on wall height limits.

EARTHQUAKE LOADING

Earthquake loading has been considered in the design of the Maxiwall 75mm Wall System and is in accordance to AS 1170.4, excludes Meckering Regions and island Regions. Components approved under this design and installation guide are not part of the seismic force resisting system.

DESIGN TABLE FOR MAXIWALL ZERO LOT BOUNDARY WALL STYSTEM

Maxiwall preforated Top Hat in galvanised steel are provided in nominal widths of 24mm and 35mm and have been designed and constructed in accordance with AS3623 AS/NZA 4600. The following tables provide design based of 16mm RONDO 301 batten, 24mm and 35mm Maxiwall preforated top hat section.

Table 2.1.1 Maxiwall Low Rise Multi Residental Zero Lot Boundary Wall Systems - for use with 24mm and 35mm top hat selections

Wind Category	Ultimate Wind Pressure (Kpa)		Stud spacing (mm)	Number of top hats per panel											
				Panel Length (mm)											
	Away from corners	Within 1200mm of corners		≤ 2400		≤ 2550		≤ 2700		≤ 2850		≤ 3000		≤ 3300	
				Panel location		Panel location		Panel location		Panel location		Panel location		Panel location	
				Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner
N2	0.67/-0.62	-1.25	600	4	4	4	4	4	4	4	4	4	4	4	4
N3, C1	1.05/-098	-1.95	600	4	4	4	4	4	4	4	4	4	4	4	4
N3, C1	1.05/-0.98	-1.95	450	4	4	4	4	4	4	4	4	4	4	4	4
N4, C2	1.56/-1.45	-2.90	450	4	6	4	6	4	6	4	6	4	6	4	6

NOTES

1. Negative pressure indicates wind suction
2. All top hats to be spaced evenly, with top and bottom top hats installed 250mm (maximum) from the end of the Maxiwall 75mm Panel
3. Corner panel location applies to a Maxiwall 75mm Panel within 1200mm of corners.
4. Provide additional top hat if the top and bottom top hat is installed greater than 250mm (up to 450mm max. from the end of the Maxiwall 75mm
5. Install direct fix clip on every stud frame to match stud spacing.

Table 2.1.2 Number of screws per panel at each top hat location – panel supported at base on slab edge

Wind Category	Ultimate Wind Pressure (Kpa)		Stud spacing (mm)	Number of screws per panel per top hat			
				Panel location			
	Away from corners	Within 1200mm of corners		Typical		Corner	
				Top Hat location		Top Hat location	
				Ends	Middle	Ends	Middle
N2	0.67/-0.62	-1.25	600	2	2	3	4
N3, C1	1.05/-098	-1.95	600	2	3	3	4
N3, C1	1.05/-0.98	-1.95	450	2	3	4	4
N4, C2	1.56/-1.45	-2.90	450	3	3	4	4

Dual Zero Boundary Wall System - for use with 16mm batten (RONDO 301) with direct fixing clip (RONDO 314)

Table 2.1.3 Number of top hats - Panel supported at base on slab edge

Wind Category	Ultimate Wind Pressure (Kpa)		Stud spacing (mm)	Number of top hats per panel											
				Panel Length (mm)											
	Away from corners	Within 1200mm of corners		≤ 2400		≤ 2550		≤ 2700		≤ 2850		≤ 3000		≤ 3300	
				Panel location		Panel location		Panel location		Panel location		Panel location		Panel location	
				Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner	Typical	Corner
N2	0.67/-0.62	-1.25	600	4	5	4	5	4	5	4	5	4	6	4	6
N3, C1	1.05/-098	-1.95	600	4	7	4	7	4	8	4	8	4	9	4	9
N3, C1	1.05/-0.98	-1.95	450	4	5	4	5	4	5	4	5	4	6	4	6

Table 2.1.4 Number of screws per panel at each top hat location

Wind Category	Ultimate Wind Pressure (Kpa)		Stud spacing (mm)	Number of screws per panel per top hat			
				Panel location			
	Away from corners	Within 1200mm of corners		Typical		Corner	
				Top Hat location		Top Hat location	
				Ends	Middle	Ends	Middle
N2	0.67/-0.62	-1.25	600	2	2	3	4
N3, C1	1.05/-098	-1.95	600	2	3	3	4
N3, C1	1.05/-0.98	-1.95	450	2	3	4	4

NOTES

1. Negative pressure indicates wind suction
2. All top hats to be spaced evenly, with top and bottom top hats installed 250mm (maximum) from the end of the Maxiwall 75mm Panel
3. Corner panel location applies to a Maxiwall 75mm Panel within 1200mm of corners.
4. Install Rondo 314 direct fix clip on every stud frame to match stud spacing

FIXINGS

Fasteners & fixings
Most screw fixings are timber type, which is sufficient for penetrating the metal thicknesses outlined in this guide. Connections that have larger metal thicknesses may require a metal type screw and will need to be designed and approved by the project engineer.

Table 2.2.1 outlines the connection types and requirements for constructing the Maxiwall 75mm Zero Lot Boundary Wall System detailed in this guide.

Table 2.2.1 Connection Types and requirements for construction

Application	Fixing type	Number of fixings and spacing
Fix Maxiwall 75mm to top hat from outside of Building	14-10 x 65mm hex head type 17 screws 14-10 x 90mm hex head type 17 screws	See Table 2.1.1 & 2.1.4
Fix Maxiwall 75mm to top hat from inside of Building	12-11 x 35mm hex head type 17 screws	See Table 2.1.2 & 2.1.4
Fix clip to timber frame or fix top hat/ batten direct to timber frame	12-11 x 35mm hex head type 17 screws	Min. 15mm edge distance and 20mm between screws Min. 2 screws per clip per stud
Fix clip to timber frame or fix top hat/ batten direct to steel frame	10-16 x 16mm hex head self-drilling screws	Min. 15mm edge distance and 15mm between screws Min. 2 screws per clip per
Fix 24mm or 35mm top hat to direct fix clip	10-16 x 16mm hex head self-drilling screws	See Detail 9,10

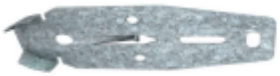
2.3 DESIGN & DETAILING CONSIDERATIONS

CONTROL JOINTS
Control joints must be provided at a maximum of 6m spacing. Control joints should be provided between Maxiwall 75mm panels and another building component. Refer to construction details for required control joint size. Control joints must also be provided to coincide with any control joint in the main structure. Larger joint width may be required to accommodate building movements, and these values shall be nominated by the designer.

WET AREA WALL CONSTRUCTION
Wet area wall construction requires a system that enables services to be installed in a cavity. All plumbing should be acoustically treated as required by the NCC. All wet area walls shall be lined and waterproofed in accordance with Australian Standards and to NCC requirements. Gyprock™ Aquachek™ or Cemintel® Fibre Cement Wallboard are suitable lining materials for wet area applications. Refer to CSR Gyprock and Cemintel for additional information.

2.4 SYSTEM COMPONENTS

Table 2.4.1 Typical Hebel Dual Zero Boundary Wall System Components

<table>
<tr><th>Product</th><th>Description</th><th></th></tr>
<tr><td>Maxiwall 75mm Panel</td><td>The core component of Maxiwall 75mm Zero Lot Boundary Wall Systems is the 75mm thick, steel mesh reinforced Maxiwall Maxiwall 75mm The panel is manufactured in a range of stock sizes as detailed below:
<table><tr><th colspan="3">Panel weight (kg)</th></tr><tr><th>Length (mm)</th><th>Width (mm)</th><th>Weight (kg) at 35% M.C.</th></tr><tr><td>2400</td><td>600</td><td>58</td></tr><tr><td>2550</td><td>600</td><td>62</td></tr><tr><td>2700</td><td>600</td><td>66</td></tr><tr><td>2800</td><td>600</td><td>69</td></tr><tr><td>3000</td><td>600</td><td>73</td></tr><tr><td>3300</td><td>600</td><td>80</td></tr></table>NOTE: Average panel weight calculated at 35% moisture content</td><td>  </td></tr>
<tr><td>Maxiwall Top Hat</td><td>Maxiwall Perforated Top Hats are used to fix the Maxiwall 75mm Maxiwall 75mm to the structural support framing. There are two nominal widths available: 24mm and 35mm – incorporating perforated flanges for ease of installation on to external wall frame. For use with Hebel top hat direct fix clip</td><td>  </td></tr>
<tr><td>Hebel Top Hat Direct Fix Clip</td><td>For attaching 24mm or 35mm top hat sections to structural stud frame in Maxiwall 75mm Zero Lot Boundary Wall applications.</td><td>  </td></tr>
<tr><td>Rondo 314 Direct Fix Clip</td><td>For attaching RONDO 301(16mm) batten to structural stud frame in Maxiwall Zero Lot Boundary Wall applications.</td><td>  </td></tr>
<tr><td>Rondo 301 Batten</td><td>RONDO 301 battens are used to fix the Maxiwall 75mm Panel panel to the structural support framing. For use with RONDO 314 direct fix clip.</td><td>  </td></tr>
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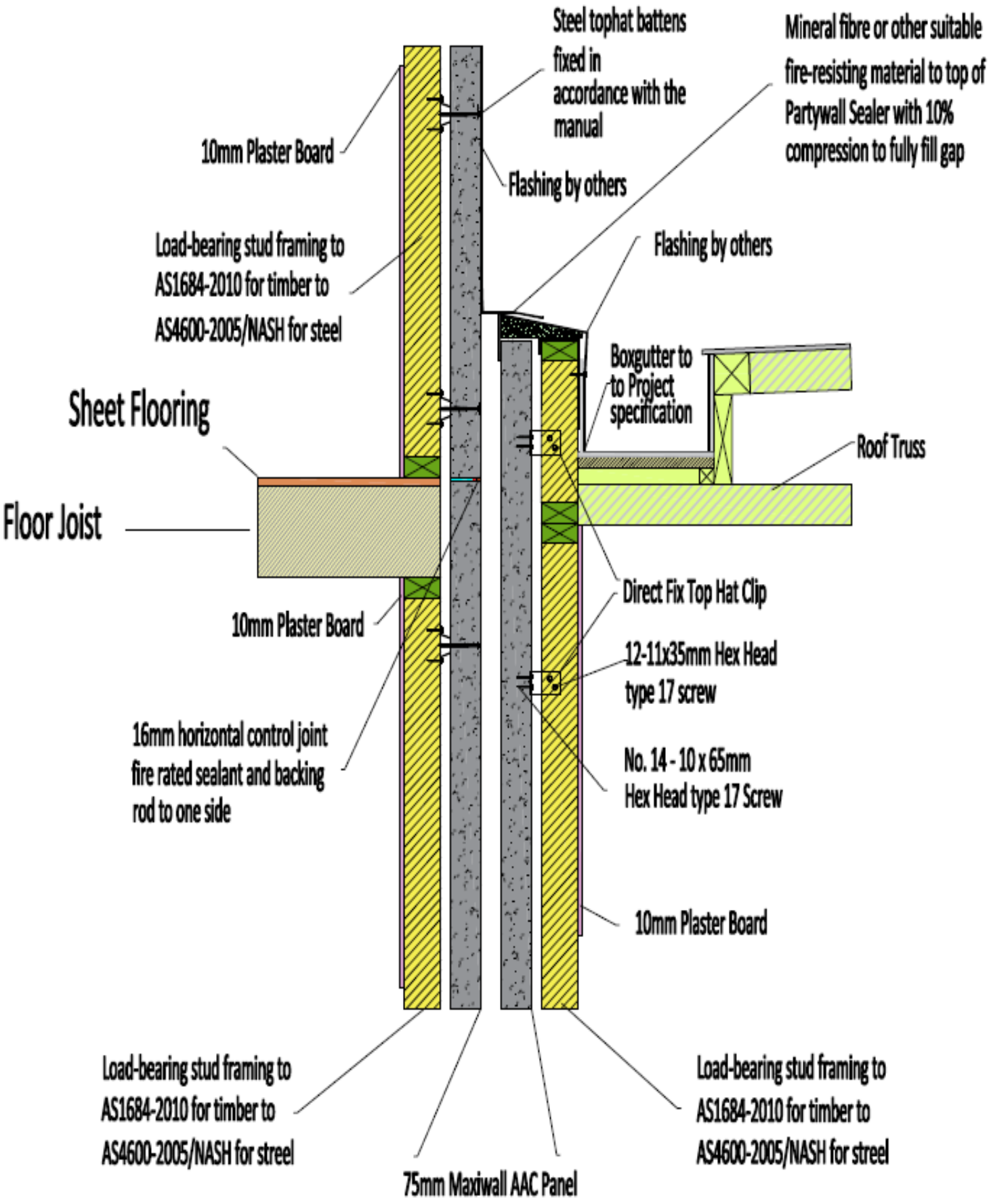
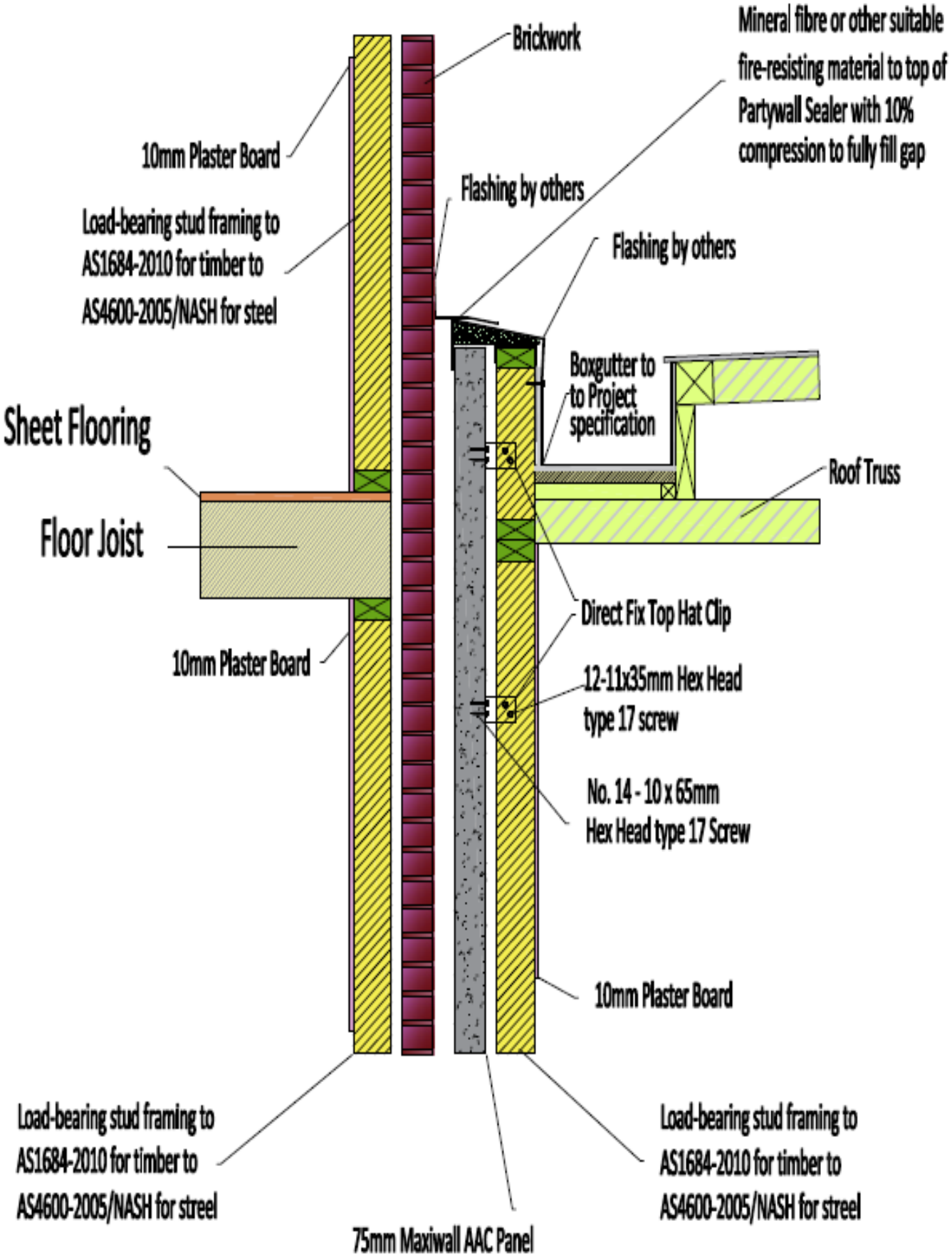
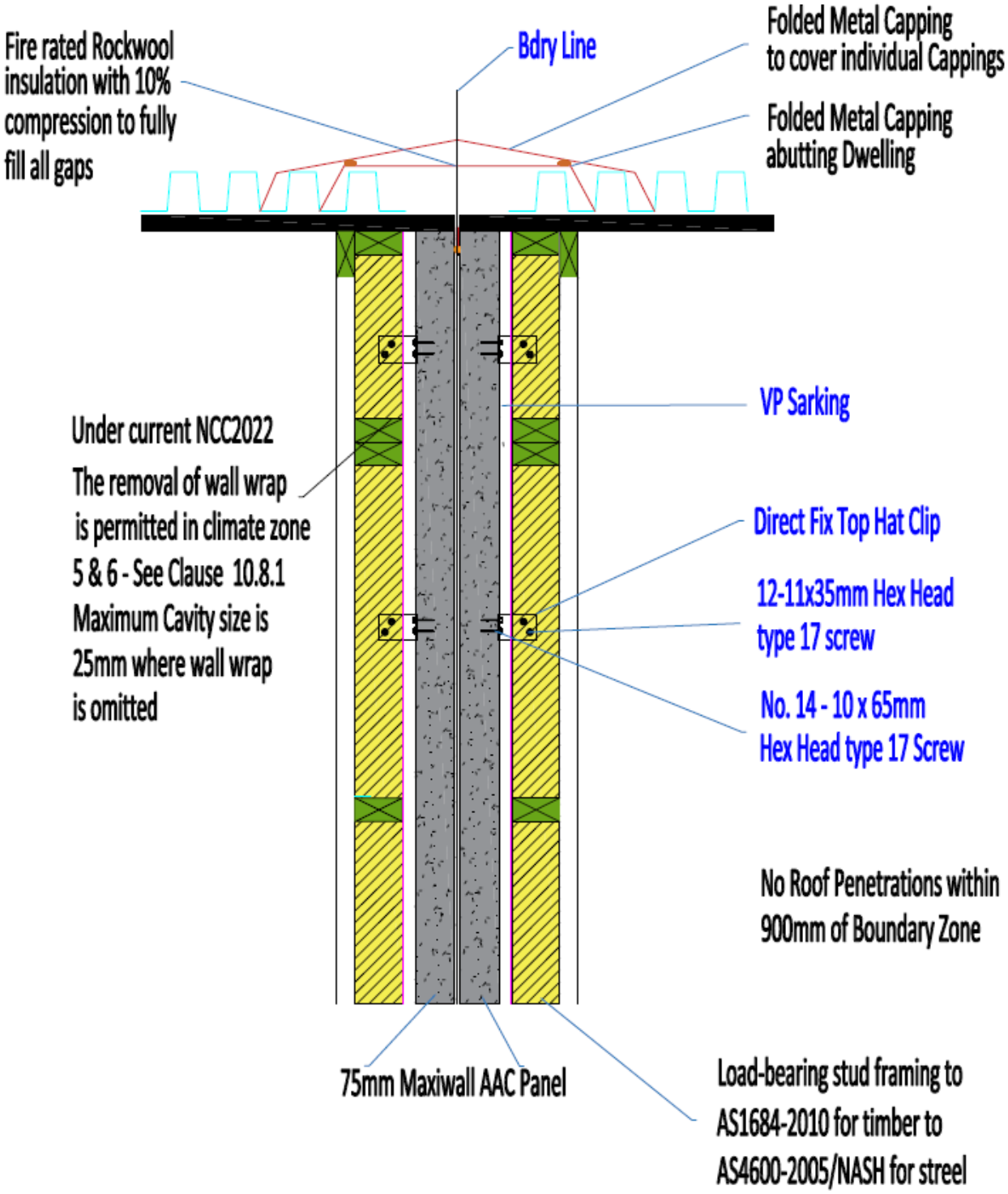
Boundary Wall Detail 1



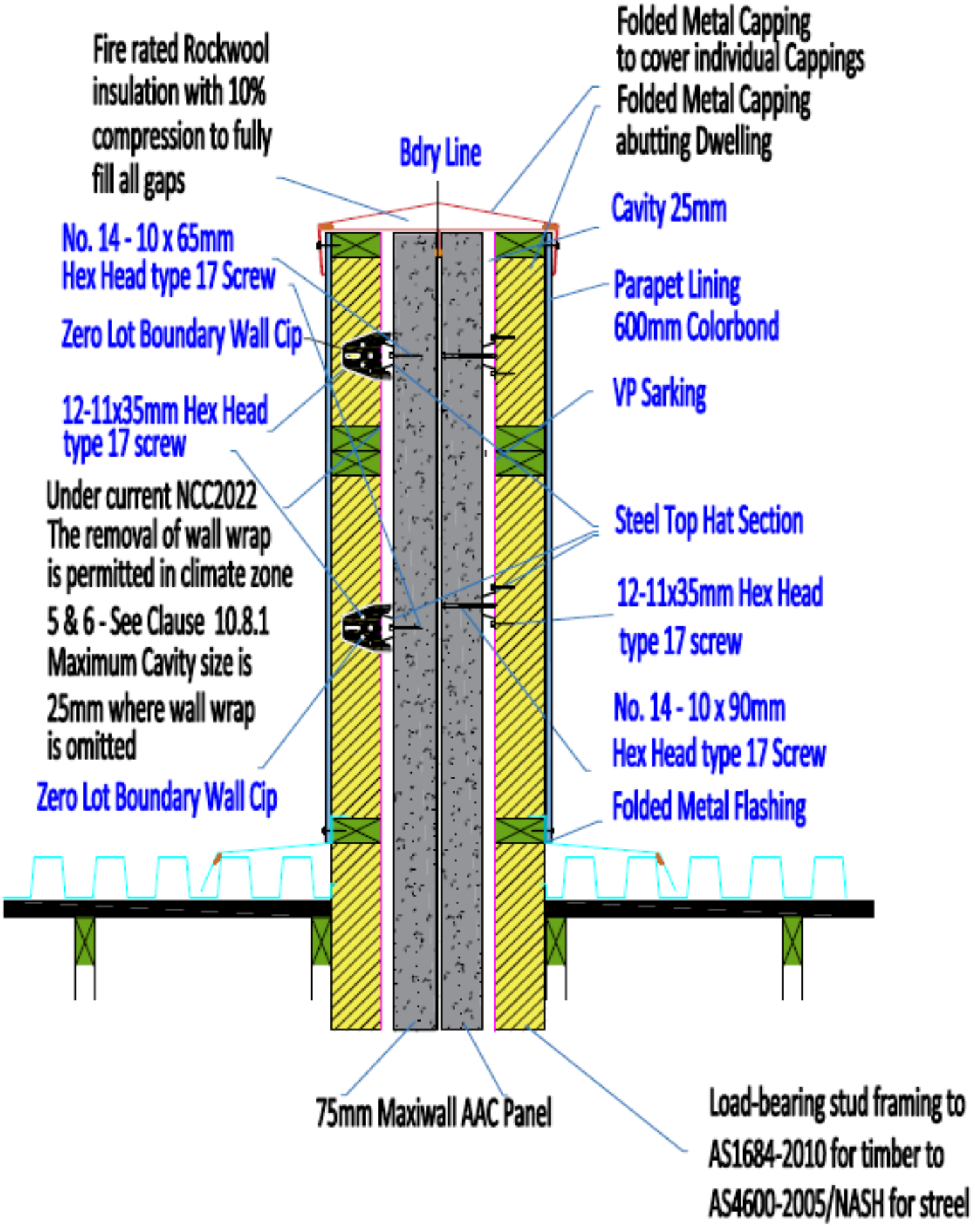
Boundary Wall Detail 2



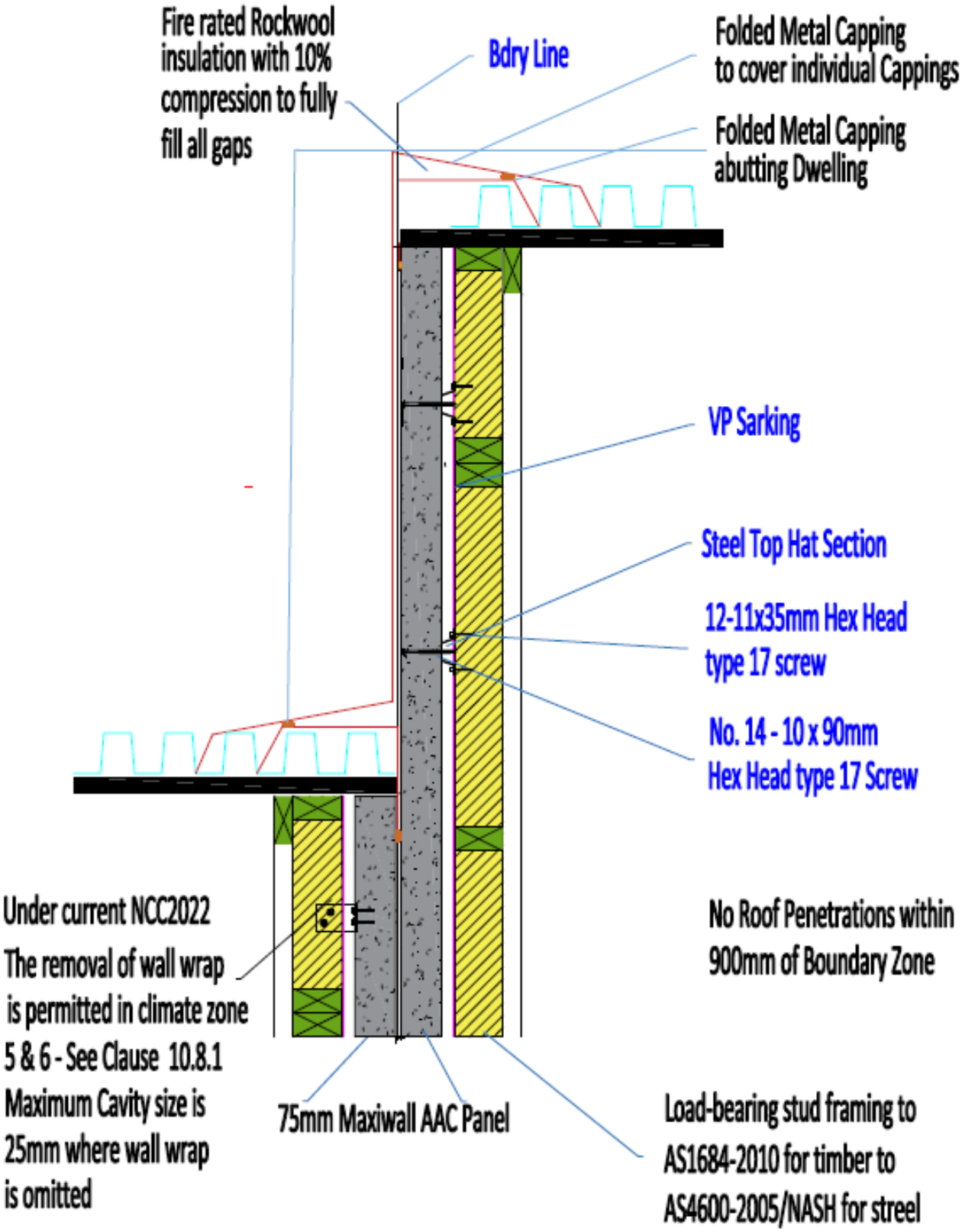
Boundary Wall Detail 3



Boundary Wall Detail 4



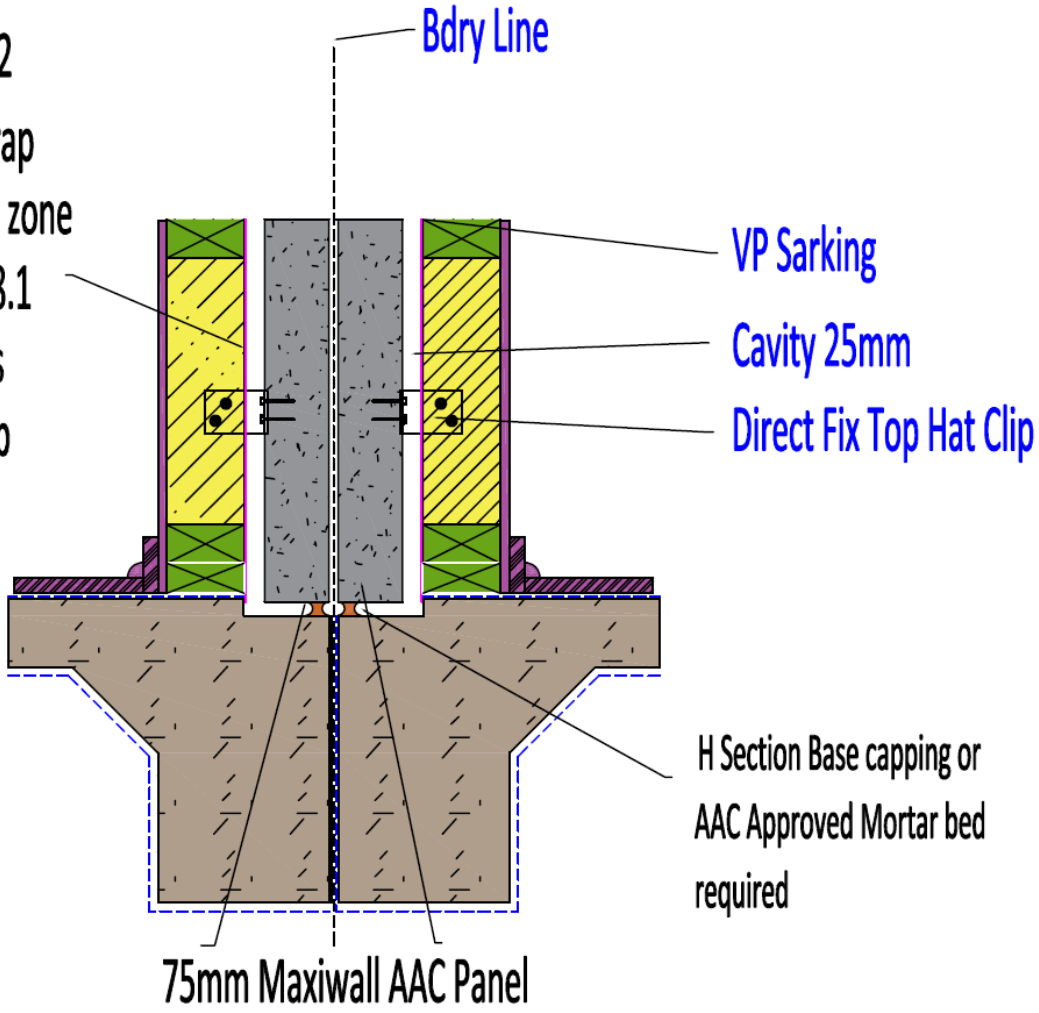
Boundary Wall Detail 5



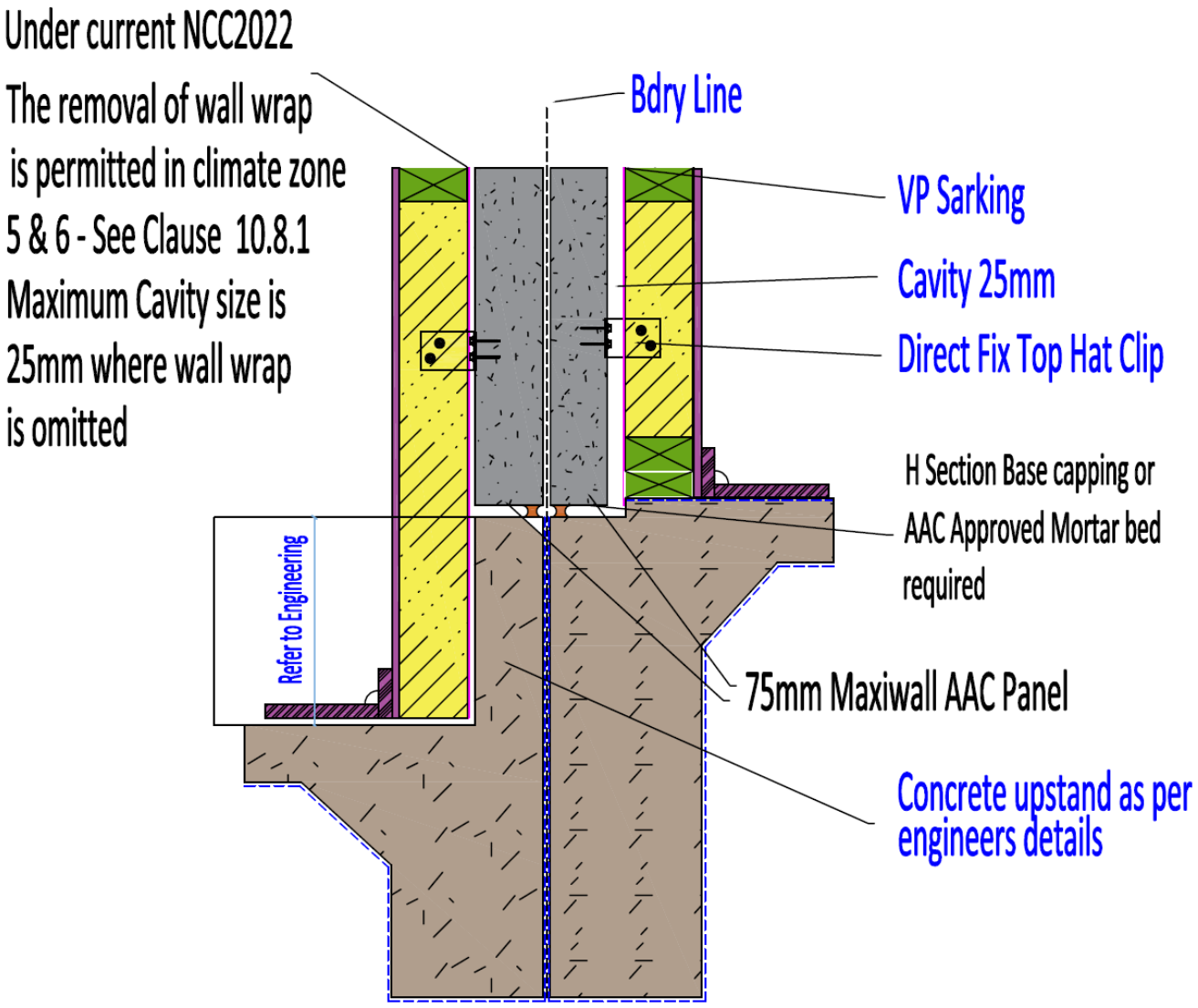
Boundary Wall Detail 6

Under current NCC2022

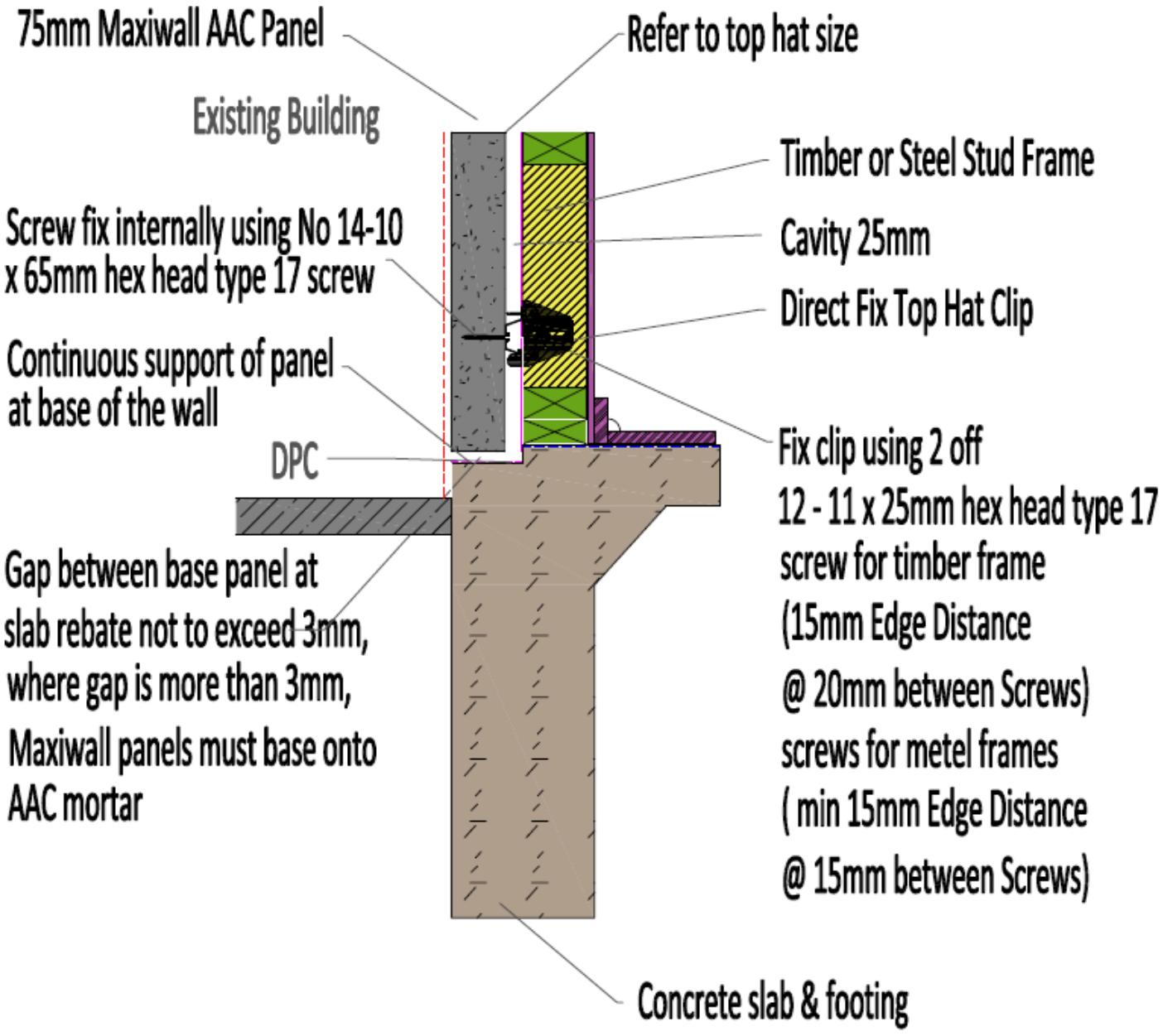
The removal of wall wrap is permitted in climate zone 5 & 6 - See Clause 10.8.1 Maximum Cavity size is 25mm where wall wrap is omitted



Boundary Wall Detail 7

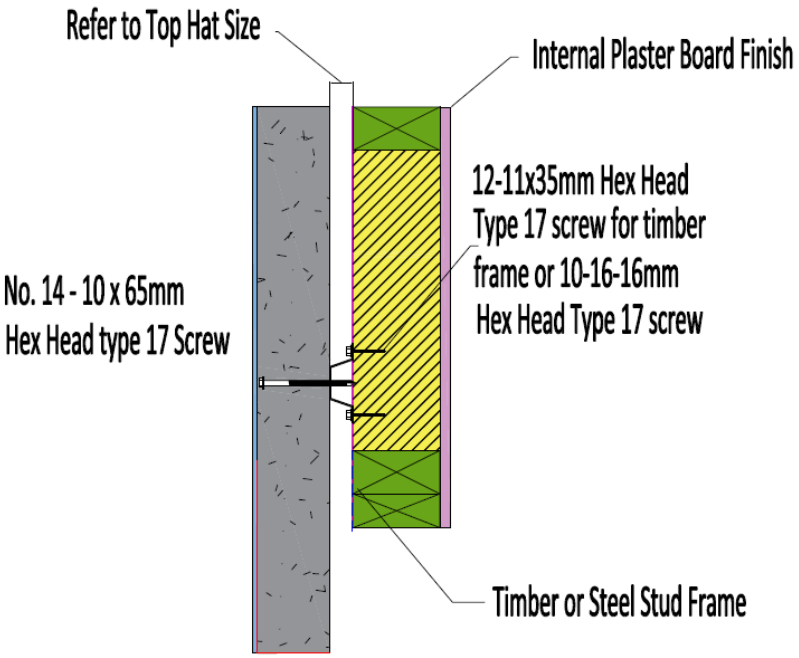


Boundary Wall Detail 8

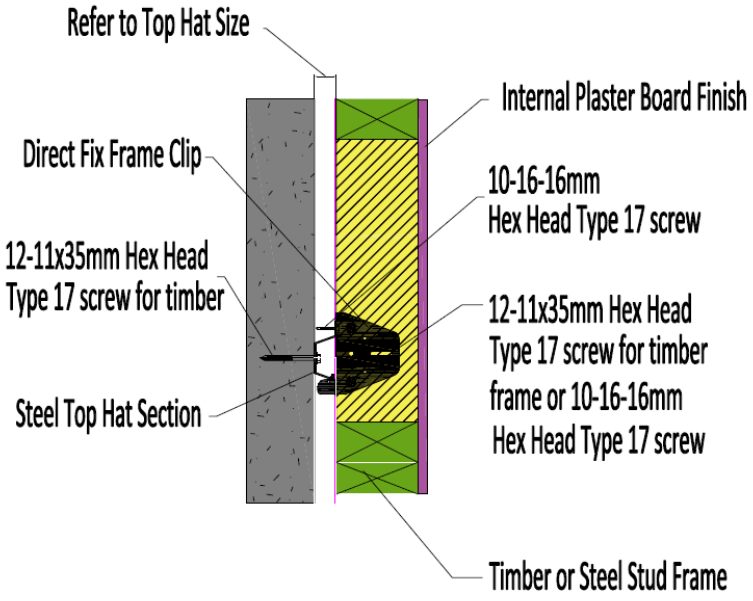


Boundary Wall Details 9

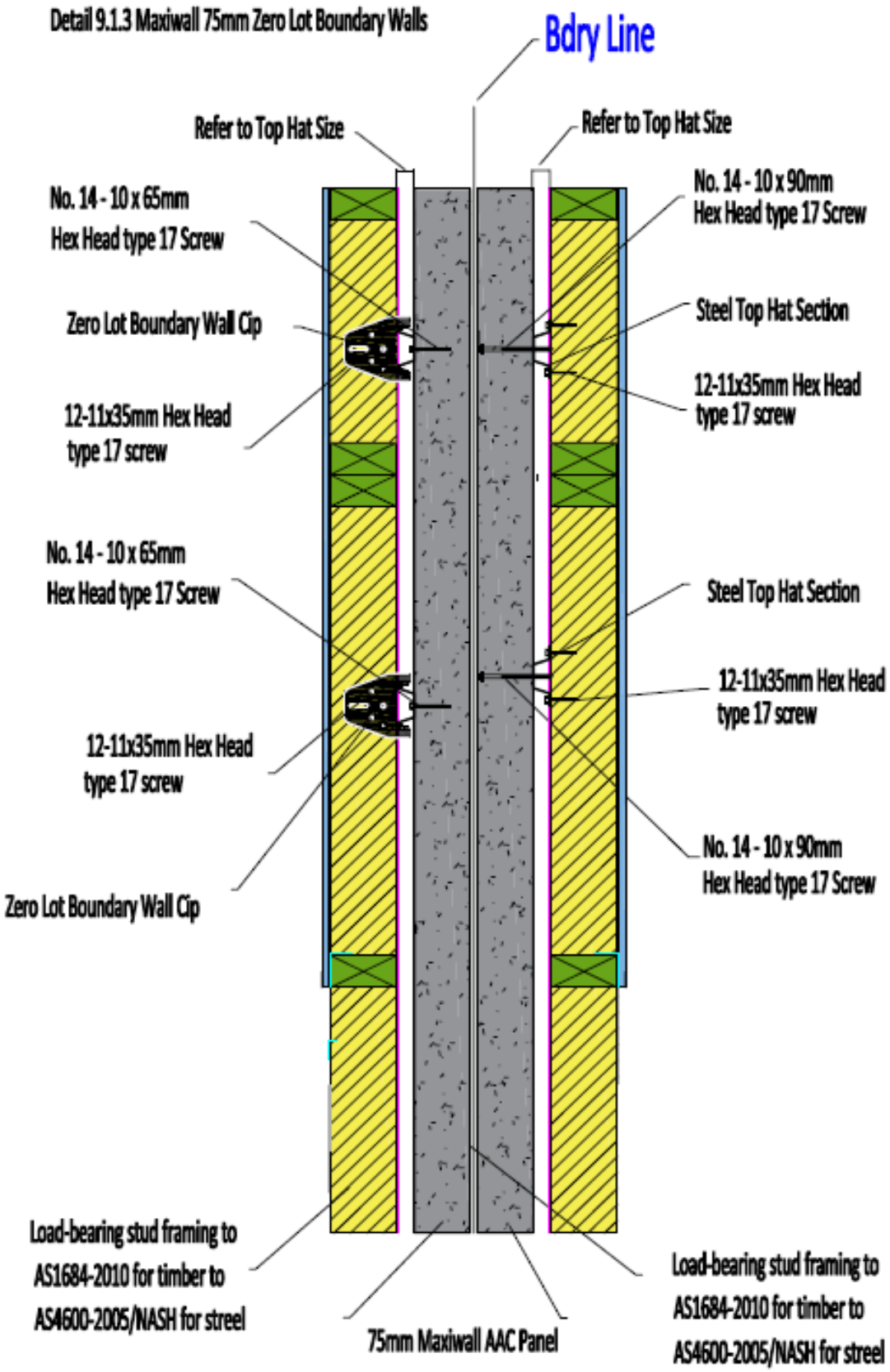
Detail 9.1.1 Maxiwall 75mm Zero Lot Boundary Walls
fixing detail - Maxiwall 75mm Externally fixed

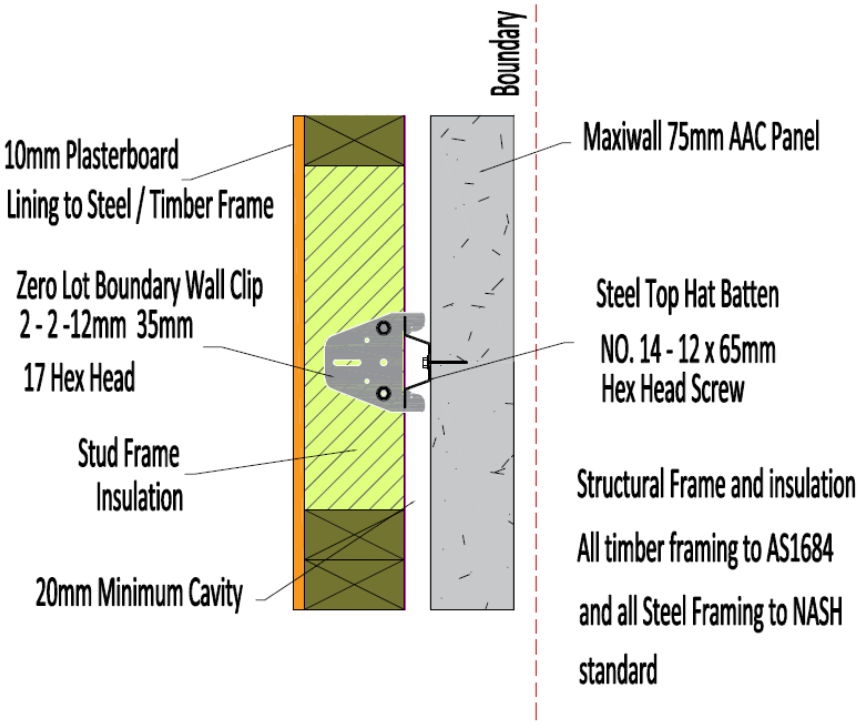


Detail 9.1.2 Maxiwall 75mm Zero Lot Boundary Walls
fixing detail - Maxiwall 75mm Internal fixed



Boundary Wall Details 10





IMPORTANT: Top hat clip is fixed on the left had side of the stud (when looking from inside to the outside of the building) Except at the last stud, only, when the clip be installed upside down.

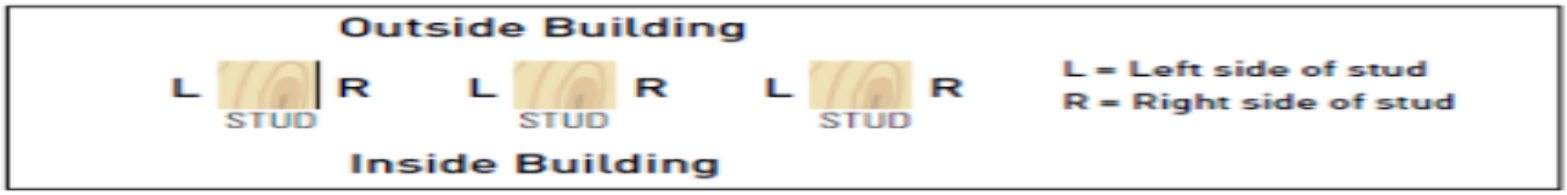
Install the clip upside down i.e. where the screw fixing from the clip to the top hats is at the bottom flange of the top hat, Will be acceptable provided that:

A: The upside-down clip is fixed on the right-hand side of the stud (when looking from the inside to the outside of the building)

B: The upside-down clip installation is to the last stud of a wall run (only), such that the spacing between the last and second last stud Is no greater the 600mm.

C: The top hat is continuous in this region for a minimum of two spans i.e. top hat extend across two studs spacings.

D: In all other locations, clips are to be installed to the left-hand side of the stud with the screw fixing to the side of the clip i.e. into the
top flange of the horizontal top hat.



For attaching top hat to structural stud frame (zero boundary application only).

✓

16.0 Responsibility & Warranty

Responsibility

The final specification and certification of the external wall system using MaxiWall 75mm AAC wall panels lie solely with qualified design and building construction professionals responsible for the project. These professionals would generally comprise of structural engineers, fire engineers and acoustic engineers. The design consideration, fixing specifications and installation details in this manual represent common types of construction and detailing practice used in Australia. A competent professional must approve any variations or alternatives to the technical information described in this manual.

Disclaimer

The information contained in this technical manual is only advisory and general in nature. It is not intended to substitute advice or consultation from registered building construction professionals to ensure designs, systems and installation for projects conform to the National Construction Code and Building Codes of Australia including any other laws imposed by the States or local councils. The user of this manual understand and agree that MaxiWall, its member companies, its officers, agents and employees shall not be liable in any manner under any theory of liability for the user's reliance on this manual. The user agrees to release, hold harmless and indemnify MaxiWall, its member companies, successors, assigns, officers, agents and employees from any and all claims of liability, costs, fees (including lawyer's fees), or damages arising in any way out of the use of this information.

PRODUCT WARRANTY

MaxiWall 75mm Autoclaved Aerated Concrete Panels

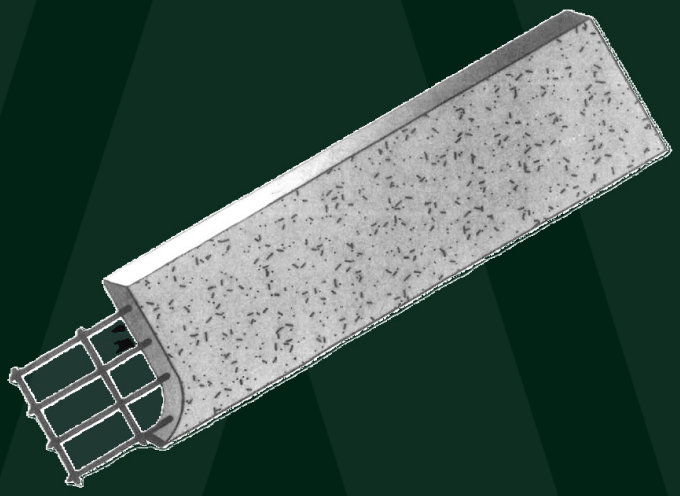
Provided by:	Big River Group Pty Ltd Trenayr Road, Junction Hill NSW 2460 **02 6644 0907**
Product type:	Maxiwall 75mm autoclaved concrete panels
Warranty statement:	Big River warrants that its Maxiwall 75mm autoclaved aerated concrete (AAC) building panels are free from defects in materials and Manufacture subject to the conditions and exclusions set out in the Product Warranty.
Warranty cover:	This Warranty covers the above product type that has defects in materials or workmanship due solely to improper manufacture Defects include but not limited to structural defects, dimensional discrepancies beyond acceptable tolerances and failure to meet product quality standards and specifications as set forth in our approved Technical Manuals.
Warranty conditions:	This Warranty shall only apply where the relevant building system constructed complies with Big River approved Technical Manuals for High- Rise Residential Internal Wall System and External Wall Panels for Low-Rise Residential Buildings. Ensure registered professionals, such as licensed builders, architects and engineers are consulted to determine that the design, system and installation are suitable for the project and conforms to the Building Code of Australia.
Warranty period:	Subject to the conditions and exclusions, set out under the Warranty. Big River warrants that its Maxiwall AAC 75mm panels are sourced From reputable manufacturers or supplies and are covered by there Respective guarantees or warranties and any warranties imposed by the Australian Consumer law. The term of warranty is 20 years from the date of purchase.

PRODUCT WARRANTY

Warranty exclusion:	This Warranty shall not cover any defect arising from non-compliance of structural design in accordance to the Building Code of Australia, faulty installation, environmental conditions that are beyond Big River control, modifications, alterations, failure to comply with the conditions of cover, force majeure or any other cause or damage not resulting from defects in materials or workmanship due solely to improper manufacture.
Warranty settlement:	Subject to the legal rights of a consumer under law, if any of the MaxiWall AAC 75mm panels are so defective, Big River will, subject to verification and inspection of such defects by a MaxiWall representative and at its sole option: either replace the products or supply equivalent products, repair the defective products or reimburse for the replacement and repair of the products. Big River will not be liable for any punitive, indirect, special, incidental or consequential damages other than what is stated in the Product Warranty.
Associated materials warranty:	This Warranty does not cover any materials, components or system associated with or supplied by third parties. Please refer to your supplier's warranty terms and conditions.
Warranty Claims:	Homeowners should contact their Builders. Builders wishing to make a claim under this Warranty should contact an authorised Big River distributor or representative. Otherwise please contact Big River directly on 1300 881 958. Claims for warranty must be presented in writing to Big River and will require proof of purchase itemizing the panel sizes, and batch numbers, name of project and nature of defects along with the proof when the panels were installed.

Except as provided herein, Big River makes no express or implied warranties. This Warranty is exclusive of all other warranties and shall not be extended, altered or varied except by a written instrument signed by an authorised representative of Big River.

MAXIWALL



CONTACT US

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Email: info@bigrivergroup.com.au

For your nearest Big River branch or to download information:

Visit: www.bigrivergroup.com.au

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