

firezone®

PARTY WALL SYSTEM



INSTALLATION GUIDE VERSION 5.0



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About the Firezone® party wall system from CBMA.



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INSTALLATION CONSIDERATION

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All technical drawings that have been certified and designed for the $\mathsf{Firezone}^{\texttt{@}}$ system.

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INTRODUCTION

Firezone is a simple and high performing party wall system, that has been designed to offer separating walls between townhouses and apartments.

Firezone offers high fire performance, acoustic and impact properties, with the added benefit of a simple installation process, leading the way to a smarter building solution. Firezone has been developed for separating walls on class 1 through to 10 buildings, and as been certified for Vol 1 and 2 of the NCC.

Firezone provides a minimum of FRL60/60/60 party wall system that can be utilised in most buildings that require a separating wall.

Firezone has been tested, assessed and certified to meet the strict requirements of the NCC and other building requirements throughout Australia as stated on the CodeMark certification.

CBMA designed the Firezone system to assist in simplification of the construction process and addressing feedback from the market on their current systems.

Making Firezone resistant to mould and moisture, Firezone is ideal for Australian weather conditions.

By removing many of the complex components from the system minimised site losses and damages as well as simplified the installation process, once again saving valuable costs and time on site.

CBMA believe that the construction industry requires further innovative products that can simplify the construction process, while making it easier to ensure compliance to all required building codes and regulations, saving time and costs while providing high performance.

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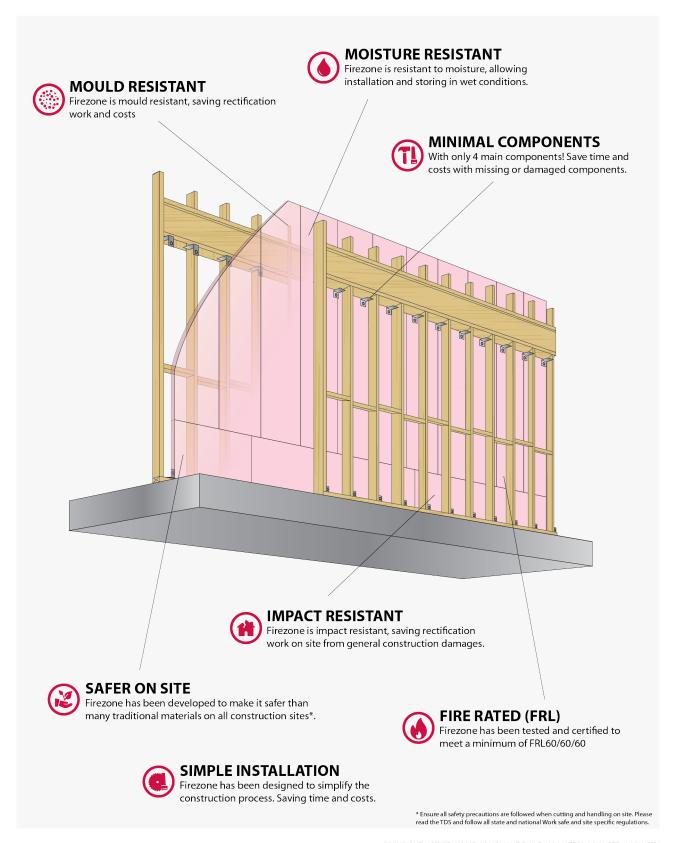
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BENEFITS



DESIGN CONSIDERATIONS

IMPORTANT INFORMATION

IMPORTANT: Specific projects will require the use of particular construction techniques and products. It is the responsibility of the building designer, specifier and other relevant user(s) to determine that any product purchased by them from CBMA, including the chosen system is suitable for all intended uses and the specific requirements of the relevant project. The user must ensure that its use of any products purchased from CBMA complies with the appropriate rules and regulations of the NCC and all other applicable laws and regulations.

This installation guide does not cover all aspects of construction on a project and is produced by CBMA as a guide only. It is the responsibility of the building designer, builder, engineer and other relevant user(s) to confirm that all further details, or design considerations (whether or not referred to in this installation guide) are specified and approved by the relevant professionals and/or authorities prior to commencing construction. Firezone has been developed for separation walls that require a FRL60/60/60 and a minimum requirement of Rw + Ctr (airborne) of no less than 50dB. Firezone has been certified for use in all building classes but may require further assistance from other parties such as fire engineers for certain projects and may not be able to use all diagrams in this guide.

Fire Resistance

Firezone party wall system has been tested and/or assessed to meet a minimum FRL (Fire Resistance Levels) of 60/60/60 in accordance with AS1530.4 by accredited NATA approved laboratories. Fire performance requirements, include performance measures for structural adequacy, integrity and insulation is proven by full-scale testing and/or assessments to Australian Standard AS1530.4.

Termite and Moisture management & Passive house membranes

Firezone panels are termite resistant and moisture resistant, however it is still the responsibility of the designer and builder to ensure that all termite and damp resistance requirements are implemented as per any NCC requirements. Where passive house is being implemented, passive house membranes can be adhered to the Firezone panels and not affect the FRL rating where the membrane has a flammability index of less than 5. It Firezone panels should be stored out of the weather and/or covered from the elements on flat and level surfaces.

Structural and Framing Requirements

Firezone must be installed where framing is in accordance with AS1684 – 'Residential timber-framed construction' or AS1720.2. Steel frames as per AS4600 - 'Cold-formed steel structures' or AS3623, the NCC and all relevant standards and manufactured specifications. Studs are to be a minimum of 70mm in depth. A recommended flush frame tolerance of up to 4mm over a 3000mm length will offer maximum results in construction and performance. It is recommended that Firezone is propped during construction where wind loads may occur until the building is enclosed. Additional brackets maybe used on one side of the wall to assist in the wall construction and stability.

Acoustic & Thermal Performance

Firezone has been tested in accordance with AS/NZS ISO717.1-2004 to achieve $R_W + C_{tr}$ (airborne) of no less than 50dB, by CSIRO Acoustic Laboratory and expert assessments completed by DDEG Acoustics Pty Ltd. The Firezone party wall will be installed with a cavity on each side as stated on the system selection charts, as well as the required system linings and insulation.

All diagrams show a 30mm +/-10mm cavity as good practice. Cavities must be a minimum cavity as per the selection chart.

Where discontinuous construction is required as per NCC 10.7.1 (1)(b) then: a: The floor height is less than 3.0m, b: Mechanical fixings are restricted to the periphery; c: No intermediate brackets are installed on both sides of the wall offering mechanical linkage between leaves; d: minimum of 20mm cavity between two separate leafs.

Where additional brackets are used within the height (excluding peripheral brackets) of the wall on both sides of the wall, this will not meet the discontinuous construction requirements.

For areas requiring discontinuous construction up to 10.5m please contact CBMA directly for further information and required specialised brackets.

Flanking sound is to be taken into account at floor levels and ceilings. For flanking sound control, The floor / ceiling cavity is at least 250mm in height. The ceiling lining is to be a minimum of 10mm (5.7kg/m2) plasterboard. Insulation must be installed in the floor / ceiling cavity for at least 1.2m from the Firezone party wall and be a minimum of 75mm thick and of at least 11kg/m2 (equivalent to R1.5 batts or higher). recessed lights should not exceed 1 per 2.5m2, if this is not possible then acoustic rated lights or covers rated to a minimum of RW25 are to be used. It is assumed the spaces in the floor and roof spaces are not able to be occupied.

DESIGN CONSIDERATIONS

Fixings

CBMA screws should be used as standard with the Firezone party wall system. The minimum requirements are 8x25mm gauge screws, in either CSK or Hex head. Any fixings outside of the specified fixings as stated under the 'System Details' page may void the warranty and fire rating of the system. Nails are only able to be used to fix brackets to timber frames, these nails are to be a minimum of 2.5x30mm galvanised nails (two per bracket). Nails are not to be used anywhere else in the system, unless stated within this guide. For steel frames a minimum of 8 gauge class 3 metal self drilling screw must be used to fix the Firezone brackets to the frame. Stainless Steel fixings are to be used in corrosion zones with high corrosion risks, such as areas of high sea spray, chemicals or similar - Designers and users should determine any risk of their project from NCC and/or relevant standards.

Penetrations & Services

Firezone party wall system should not have any penetrations within the main habitable wall area. All approved penetrations are to be through the floor or roof spaces. Standard services such as electrical, plumbing, and data cables should be placed into the frame (and follow all structural framing requirements as per the relevant code) or outer lining of the walls, and typically do not require further fire resistance or acoustic properties. However, **no** services are to be connected directly to the Firezone panels. This includes pipe/cable saddles or other fixings. Insulated refrigerant pipes (I.E.: air conditioning units) and electrical cables can be placed within the cavity as long as there is a minimum of 10mm clearance between the pipe and the Firezone panel at all times. The pipes/cables are to be tied back to the frame and are not to contact the firewall in any case. Any GPO,s switches, services or penetrations are to be installed as per this quide or NCC 9.3.2.

On-site Installation

Firezone panels are moisture and mould resistant. This allows the product to be suitable for most weather conditions. When installing CBMA recommends supporting the Firezone wall until enclosed off to avoid damage from unexpected winds during construction. The Firezone system should be enclosed and protected from weather as soon as possible, however the Firezone system maybe left exposed to the weather for up to six months if required. Additional Firezone brackets maybe used on one side only to assist in construction or provide additional support. Additional protection maybe required in extreme weather. It is also recommended to ensure the panels are dry prior to enclosing the building. Firezone panels are not to be submerged in pooling water.

Firezone Wall Clearance/Cavity

To ensure the stated acoustic values are reached, the Firezone party wall system cavities are to be as stated in the system selection tables. The cavity is to be present on both sides of the Firezone system. It is recommended to design with 30mm +/-10mm to allow for construction tolerances/movement. Where cavities are required from 45-65mm, please contact CBMA for approved bracket requirements. Any cavity larger than 65mm is not allowable.

No services or other materials should be in contact with the Firezone system apart from the Firezone aluminium brackets or approved penetrations as per this guide. Failure to do this may result in lower Acoustic values and fire ratings. Discontinuous walls/areas (where required) as per the NCC requires a minimum of 20mm cavity between two separate leafs (NCC 10.7.1(1)(b)).

Maximum Height

Firezone party wall system must be installed as per installation guide. Firezone is designed to have a maximum height of 12.5m when installed as per this installation guide.

Cladding Junctions

The Firezone cladding junctions have been assessed to meet the FRL rating when under fire attack parallel to the Firezone wall and installed as per this guide. Depending on your project requirements or building class, combustible cladding or fire attack from right angle to the Firezone wall may require further fire resistance or details from other diagrams or parties such as Fire engineers.

Handling, Storage and Safety

CBMA recommends downloading and reading the TDS from the CBMA website for correct handling, storage and safety requirements for the Firezone panels. Panels should be stored on a flat even surface and stored out of the weather. All standard health and safety precautions should be taken while using the Firezone system, refer to the Firezone TDS available from the CBMA website.

Certifications

All installs are to be inspected as per your state/building requirements, such as utilising a registered building certifier or licensed professional to ensure that the product has been installed correctly and the construction meets all relevant building regulations.

It is the responsibility of the builder and other relevant user(s) to ensure that the construction has met all building regulations and that Firezone has been installed as per the installation guide and/or any other laws, regulations, industry standards or requirements.

SYSTEM SELECTION

System Selection

CBMA have a selection of wall designs to meet your building requirements, to ensure you meet the acoustic and fire rating of the Firezone party wall system.

| System | FRL | Stud Depth (timber & steel) | Cavity (min/max) | R _{w /} R _w +C _{tr} | Requirements | Insulation | Total Wall Thickness |
|------------|----------|-----------------------------------|---------------------|---|---|--------------------------|-------------------------|
| FZ1071 | 60/60/60 | 90mm | 20 40 | 61 / 48dB* 64 / 51dB | Fire Wall: 22mm Firezone Panel Wall linings: 10mm Plasterboard (7.1kg/m2) | R2.0 Fibreglass Batts | 262mm 302mm |
| FZ1079 | 60/60/60 | 90mm | 20 40 | 63 / 50dB 66 / 52dB | Fire Wall: Firezone Panel Wall linings: 10mm Plasterboard (7.9kg/m2) | R2.0 Fibreglass Batts | 268mm 308mm |
| FZ1093 | 60/60/60 | 90mm | 20 40 | 66 / 52dB 69 / 55dB | Fire Wall: Firezone Panel Wall linings: 10mm Plasterboard (9.3kg/m2) | R2.0 Fibreglass Batts | 254mm 294mm |
| FZ10104 | 60/60/60 | 90mm | 20 40 | 67 / 54dB 70 / 57dB | Fire Wall: Firezone Panel Wall lining: 10mm Plasterboard (10.4kg/m2) | R2.0 Fibreglass Batts | 268mm 308mm |
| FZ1384 | 60/60/60 | 90mm | 20 40 | 64 / 51dB 67 / 54dB | Fire Wall: Firezone Panel Wall lining: 13mm Plasterboard (8.2kg/m2) | R2.0 Fibreglass Batts | 262mm 302mm |
| FZ1398 | 60/60/60 | 90mm | 20 40 | 67 / 53dB 69 / 56dB | Fire Wall: Firezone Panel Wall lining: 13mm Plasterboard (9.8kg/m2) | R2.0 Fibreglass Batts | 268mm 308mm |
| FZ1313 | 60/60/60 | 90mm | 20 40 | 71 / 58dB 74 / 61dB | Fire Wall: Firezone Panel Wall lining: 13mm Plasterboard (13kg/m2) | R2.0 Fibreglass Batts | 228mm 268mm |
| FZ21057 | 60/60/60 | 90mm | 10 20 40 | 67 / 52dB** 69 / 55dB 72 / 58dB | Fire Wall: Firezone Panel Wall lining: 2x10mm Plasterboard (5.7kg/m2) | R2.0 Fibreglass Batts | 222mm 262mm |
| FZ20694 | 60/60/60 | 90mm | 20 40 | 69 / 56dB 72 / 59dB | Fire Wall: Firezone Panel Wall Lining: 2x6mm Fibre Cement | R2.0 Fibreglass Batts | 258mm 298mm |
| FZ11139 | 60/60/60 | 90mm | 20 40 | 67 / 54dB 70 / 57dB | Fire Wall: Firezone Panel Wall Lining: 11mm Fibre Cement | R2.0 Fibreglass Batts | 221mm 261mm |
| FZH206FC71 | 60/60/60 | 90mm | 20 40 | 67 / 54dB 70 / 57dB | Fire Wall: Firezone Panel Wall Lining 1: 10mm Plasterboard (7.1kg/m2) Wall Lining 2: 2x6mm Fibre cement | R2.0 Fibreglass Batts | 221mm 261mm |
| FZH11FC71 | 60/60/60 | 90mm | 20 40 | 67 / 53dB 70 / 56dB | Fire Wall: Firezone Panel Wall Lining 1: 10mm Plasterboard (7.1kg/m2) Wall Lining 2: 11mm Fibre cement | R2.0 Fibreglass Batts | 221mm 261mm |
| FZ1090 | 60/60/60 | 90mm | 20 40 | 66 / 52dB 69 / 55dB | Fire Wall: Firezone Panel Wall Lining: 10mm Eboard™ | R2.0 Fibreglass Batts | 221mm 261mm |

FIREZONE SYSTEM SELECTION TABLE - 90MM FRAMES TABLE 1

^{*} Does not meet RW+CTR=50dB requirements
** Does not meet discontinuous requirements



System Selection

CBMA have a selection of wall designs to meet your building requirements, to ensure you meet the acoustic and fire rating of the Firezone party wall system.

| System | FRL | Stud Depth (timber & steel) | Cavity (min/max) | R _{w /} R _w +C _{tr} | Requirements | Insulation | Total Wall Thickness |
|-------------|----------|--------------------------------|---------------------|--|--|--------------------------|-------------------------|
| FZ1398N | 60/60/60 | 70mm | 20 40 | 63dB / 50dB 67dB / 53dB | Fire Wall: Firezone® Panel Wall Lining: 13mm Plasterboard (9.8kg/m2) | R2.0 Fibreglass Batts | 228mm 268mm |
| FZ1313N | 60/60/60 | 70mm | 20 40 | 68dB /54dB 71dB /58dB | Fire Wall: Firezone® Panel Wall Lining: 13mm Plasterboard (13.0kg/m2) | R2.0 Fibreglass Batts | 228mm 268mm |
| FZ20694N | 60/60/60 | 70mm | 20 40 | 66dB / 53dB 69dB / 56dB | Fire Wall: Firezone[®] Panel Wall Lining: 2x6mm Fibre Cement | R2.0 Fibreglass Batts | 226mm 266mm |
| FZ11139N | 60/60/60 | 70mm | 20 40 | 64dB / 50dB 67dB / 54dB | Fire Wall: Firezone * Panel Wall Lining: 11mm Fibre Cement | R2.0 Fibreglass Batts | 224mm 264mm |
| FZH206FC98N | 60/60/60 | 70mm | 20 40 | 67dB / 53dB 70dB / 56dB | Fire Wall: Firezone [®] Panel Wall Lining 1: 2x6mm Fibre Cement Wall Lining 2: 13mm Plasterboard (9.8kg/m2) | R2.0 Fibreglass Batts | 227mm 267mm |
| FZH9498N | 60/60/60 | 70mm | 20 40 | 63dB / 50dB 67dB / 53dB | Fire Wall: Firezone® Panel Wall Lining 1: 11mm Fibre Cement Wall Lining 2: 13mm Plasterboard (9.8kg/m2) | R2.0 Fibreglass Batts | 226mm 266mm |
| FZ21057N | 60/60/60 | 70mm | 20 40 | 66dB / 52dB 69dB / 55dB | Fire Wall: Firezone® Panel Wall Lining: 2x10mm Plasterboard (5.7kg/m2) | R2.0 Fibreglass Batts | 242mm 282mm |
| FZ1095N | 60/60/60 | 70mm | 20 40 | 61B / 45dB* 66dB / 52dB | Fire Wall: Firezone® Panel Wall Lining: 10mm Eboard | R2.0 Fibreglass Batts | 242mm 282mm |

FIREZONE SYSTEM SELECTION TABLE - 70MM FRAMES TARLE 2

NOTES:

All figures shown are the tested/assessed requirements to meet the minimum acoustic performance requirements as per the NCC. It is important that the wall lining is of equal or higher mass as shown above (I.E.: 9.8kg/m2). All wall linings must be installed as per the manufacturer requirements.

Cavities on both sides of the Firezone party wall must be at a minimum of the stated cavity above to meet the stated acoustic rating. It is recommended to design with a 30mm +/-10mm to allow for construction tolerances / movement. For Discontinuous areas / walls a minimum of 20mm cavity between two separate leafs is required as per the NCC.

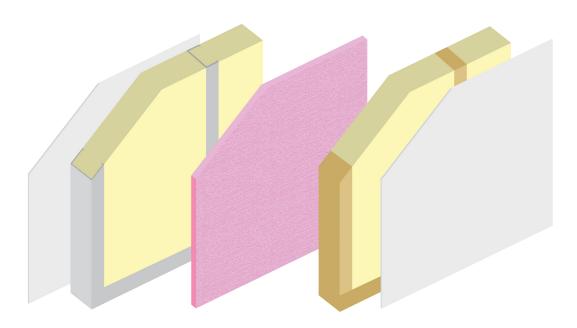
All diagrams show a 30mm +/-10mm cavity as good practice. Cavities must be a minimum cavity as per the selection chart.

For further information and requirements on the acoustic and fire resistance of the Firezone system please read the design consideration pages in this install guide.

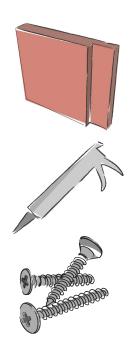
^{*} Does not meet RW+CTR=50dB requirements

^{**} Does not meet discontinuous requirements





Components



Firezone Panels

| Product | Size (coverage) | m ² per sheet | Weight per m ² |
|---------|------------------------------|--------------------------|---------------------------|
| PANELS | 2700(w) x 600 (h) x 22mm (d) | 1.62m ² | 26.5kg |

Accessories

| Product | | | |
|--|-------------------|--|--|
| Fire rated sealant 600ml | 1 unit | | |
| 200mm x 15m Rockwool | 15m length | | |
| Firezone [®] J Track 22mm x 3m | 3000mm length | | |
| | | | |
| Firezone [®] Aluminium Bracket | 20 pce per sleeve | | |
| | | | |
| 8G x 25mm screw Class 3 (min.) | 1000 pce per box | | |
| | | | |
| 10g x 25 Hex timber screw Class 3 (min.) | 1000 pce per box | | |
| 10g x 25 Hex metal screw Class 3 (min.) | 1000 pce per box | | |

Supplied By Others

CBMA supply standard items to erect the Firezone party wall system. However, other items maybe required to complete the installation. This may include but not limited to:

Fire rated rock wool / fire blankets | Insulation | Linings | Additional sealant | Moisture control materials | Flashings | Steel frame screws

It is the responsibility of the builder/installer/owner to organise and source all additional materials, which are not included in any quoted prices provided by CBMA.



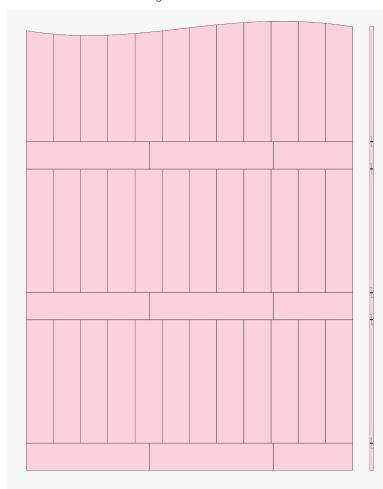
Install Pattern

Firezone party wall system is designed to utilise the innovative shiplap system in place of traditional channels, this allows quicker construction with less components.

Firezone is installed in an alternating horizontal + vertical repetitive pattern as demonstrated in the below diagram. Where this pattern has not been adhered to an additional laminated 10mm Eboard™ maybe required at the joints - refer to lamination diagram.

Panel Shiplap Removal Requirements

The first row requires the bottom shiplap to be removed prior to installing, this is important to ensure the FRL is achieved. This is also required at any termination point, such a roof, and wall termination points. All shiplap joints and gaps must be filled with the approved fire rated sealant and gaps are not to exceed 5mm unless stated otherwise in this guide, any gaps between 1.5mm and 5mm must be filled with the Fire rated sealant. Failure to remove the shiplap at termination points or not include the fire rated sealant will affect the final fire rating.



Firezone Party wall is to be installed: Horizontal - Vertical repeating pattern throughout the wall.

Refer to Roof termination diagrams for options to minimise wastage.

Where the party wall has not / can not be installed in the Horizontal - Vertical repeating pattern, refer to lamination diagram

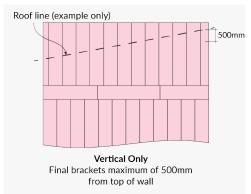


FIG 2

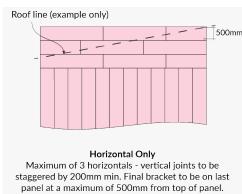
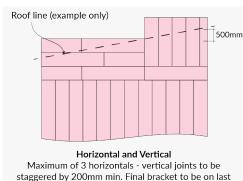


FIG 3



panel at a maximum of 500mm from top of panel.

FIG 4

BRACKET INSTALLATION

Firezone Bracket Requirements

All Firezone brackets are to be installed as detailed below:

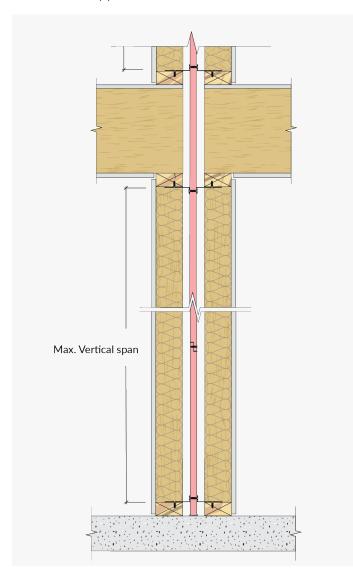
Bottom Plates: Firezone bracket attached to bottom plate at 450mm centres, on both sides of the wall. Firezone track as an alternative option.

Top Plates: Firezone bracket attached to top plate at 450mm centres, on both sides of the wall.

Roof Termination = Firezone bracket attached to frame/truss at maximum of 600mm centres and a maximum distance of 500mm from top of wall on the last panel.

Intermediates (If required) = installed on studs at a horizontal spacing of between 1100mm and 1350mm. Maximum vertical span as per table 2. Intermediates, when required are placed on both sides of the Firezone party wall and should be staggered horizontally between wall studs. Where intermediate brackets are required and the area is to be discontinuous construction, a DC bracket is to replace the standard bracket on one side Refer to Acoustic & Thermal performance on page 6 for further information.

Additional support brackets can be placed on one side when used to assist in construction process or additional support.



| TOTAL FIREZONE WALL HEIGHT | MAX. VERTICAL SPAN |
|-------------------------------|--------------------|
| 3.0m | N/A |
| 6.0m | 3.00m |
| 7.0m | 2.70m |
| 8.0m | 2.50m |
| 9.0m | 2.30m |
| 10.0m | 2.10m |
| 11.0m | 2.00m |
| 12.5m | 1.80m |

Spacings values are proportionally scaled: IE: 8.5m = 2.4m

FIREZONE INTERMEDIATE BRACKETS

TABLE 2

Firezone Bracket Fixings

All brackets are to be fixed to the FIREZONE PANEL with the approved screws.

Nails are not to be used on the Firezone panels.

Bracket to Firezone Panels:

- 1 x 8Gx25mm Class 3 galv (min.) screw

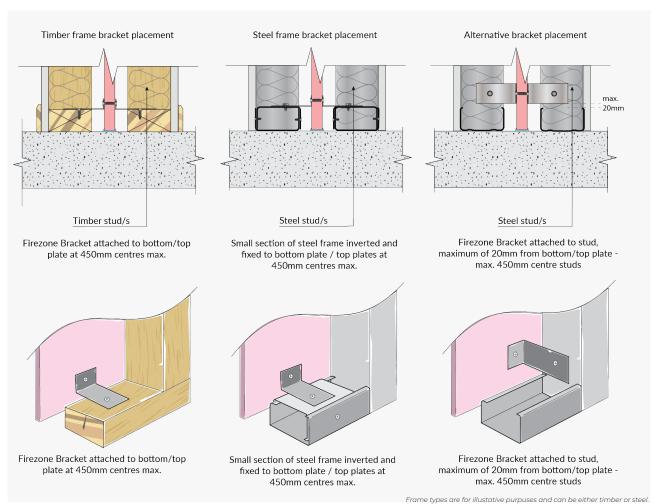
Bracket to Timber Frame:

- 1 x 8Gx25mm Class 3 galv (min.) screw
- 2 x 2.5x30mm Class 3 galv (min.) Nail

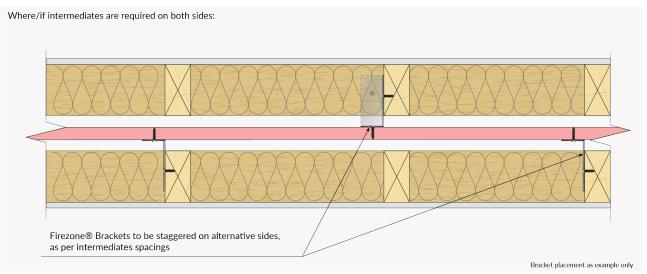
Bracket to Steel Frame:

- 1 x 10gx25mm metal Class 3 galv (min.) screw

BRACKET INSTALLATION



FIREZONE BRACKET CONNECTION DETAILS



INSTALLATION POINTS

The below diagram demonstrate the key items that will assist to ensure a smooth and compliant installation. Please note: these are only key items and may not cover all requirements for your particular project or build.

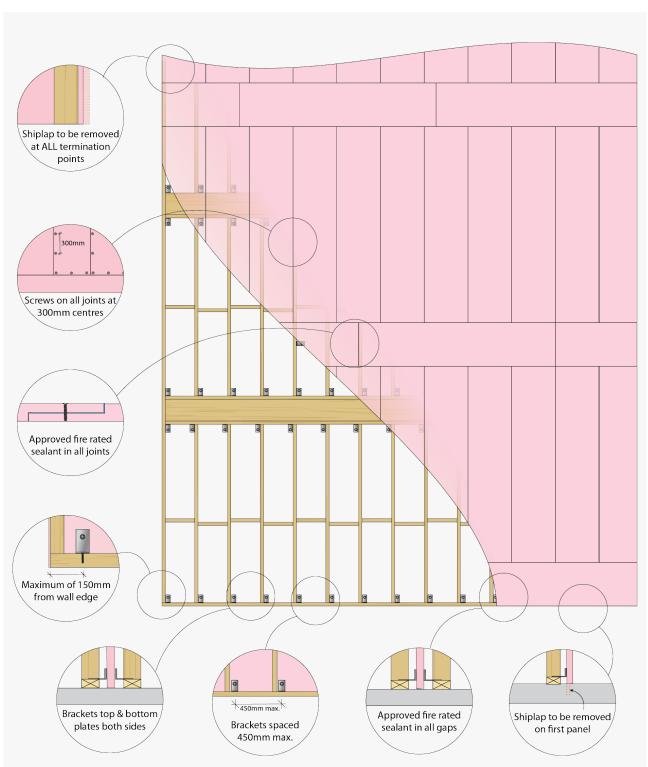


FIG 8

INSTALLATION CONSIDERATION

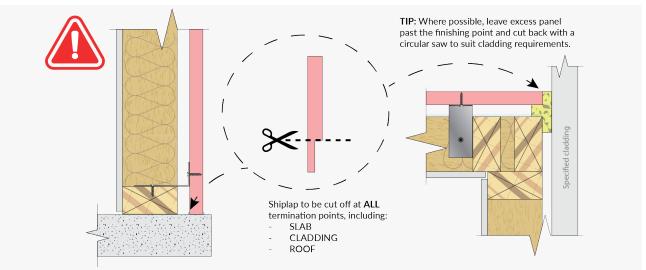


FIG 9

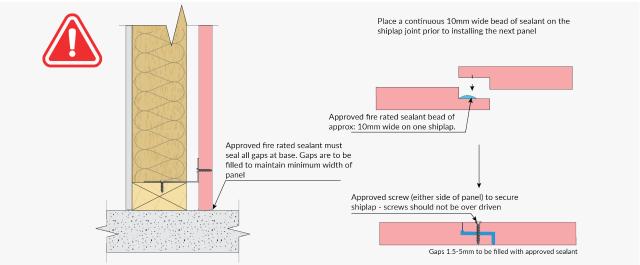
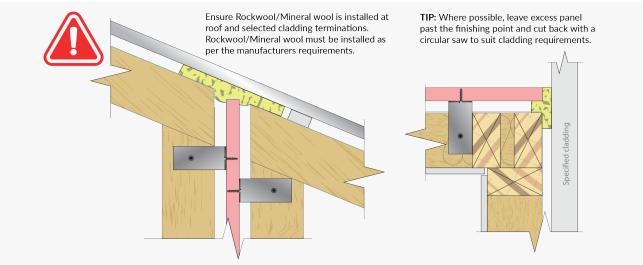
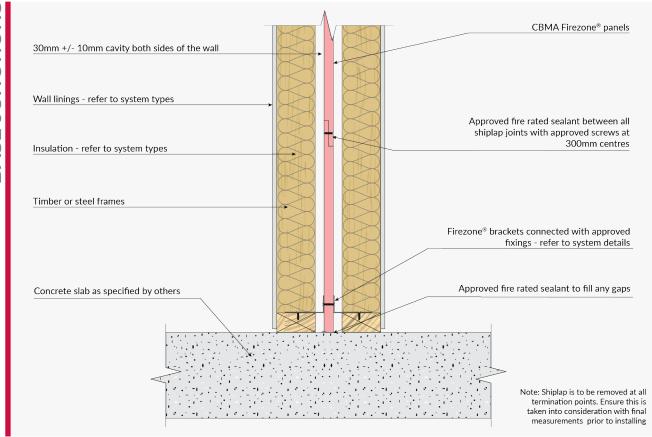


FIG 10

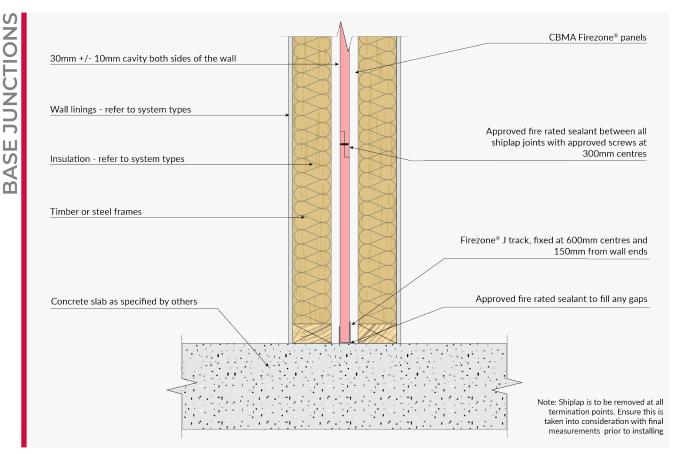


Technical Drawings

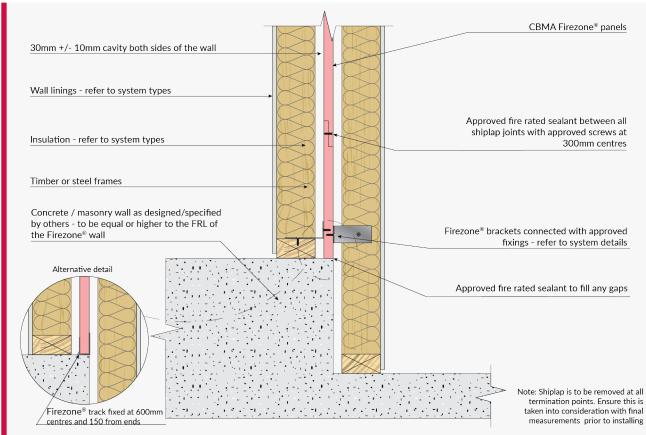




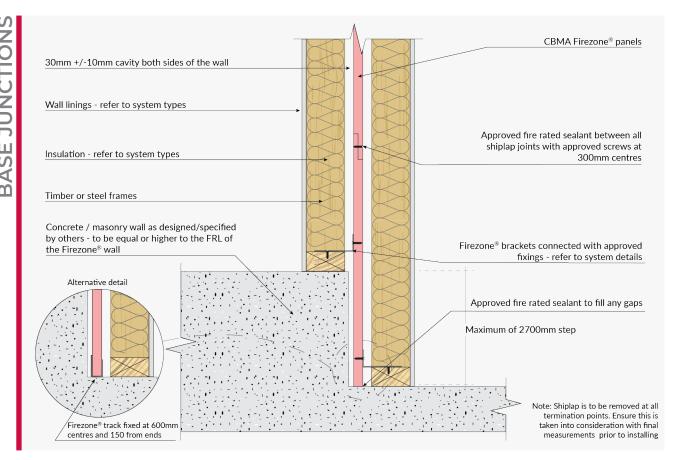
FIREZONE TYPICAL SLAB



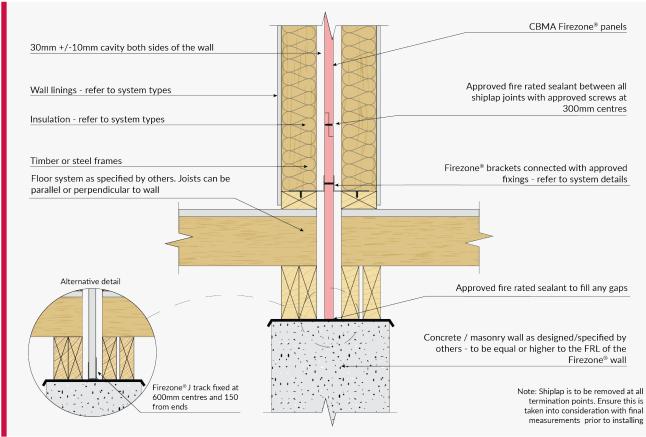
FIREZONE TYPICAL J TRACK SLAB



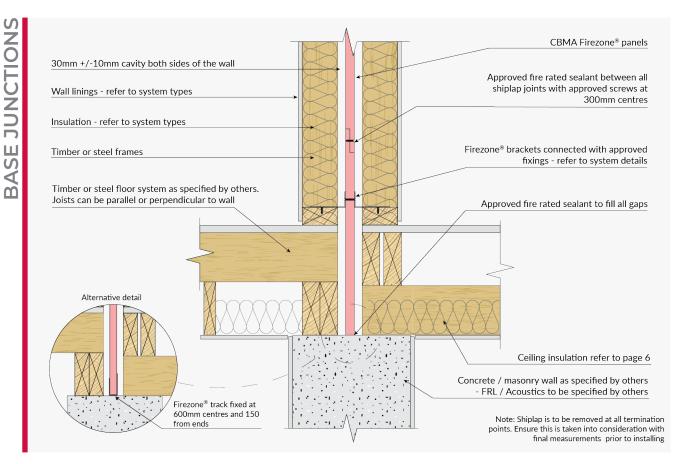
FIREZONE TYPICAL STEPPED SLAB - OPTION ONE DIAGRAM 3



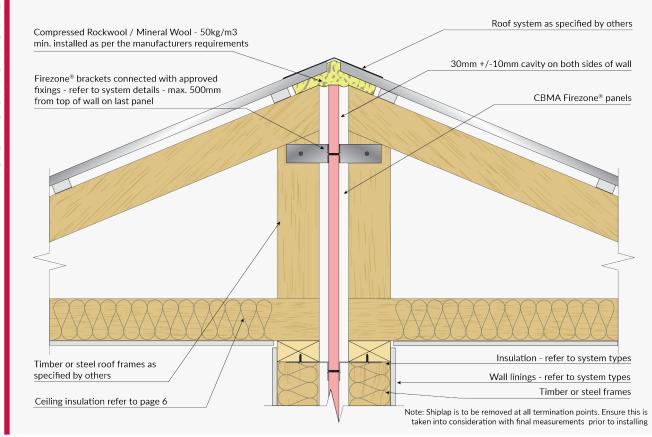
FIREZONE TYPICAL STEPPED SLAB - OPTION TWO



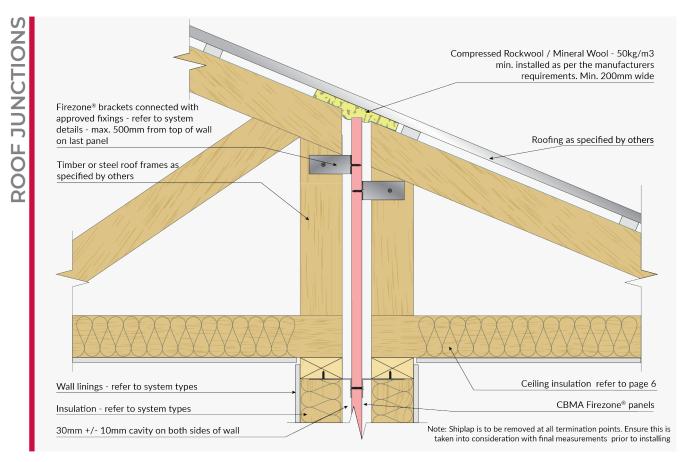
FIREZONE TYPICAL BRICK / MASONRY - OPTION ONE DIAGRAM 5



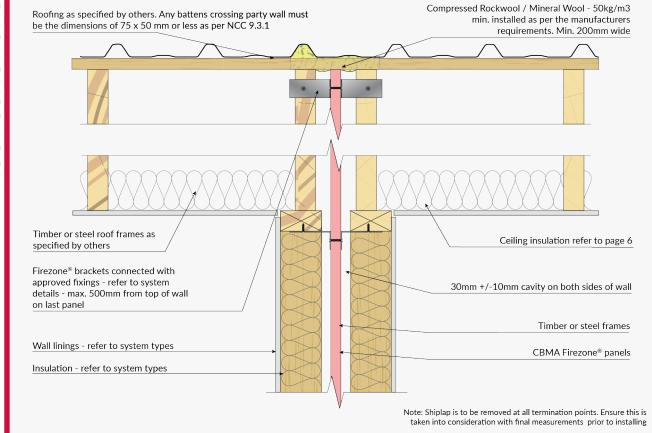
FIREZONE TYPICAL BRICK / MASONRY - OPTION TWO DIAGRAM 6



FIREZONE TYPICAL GABLE ROOF

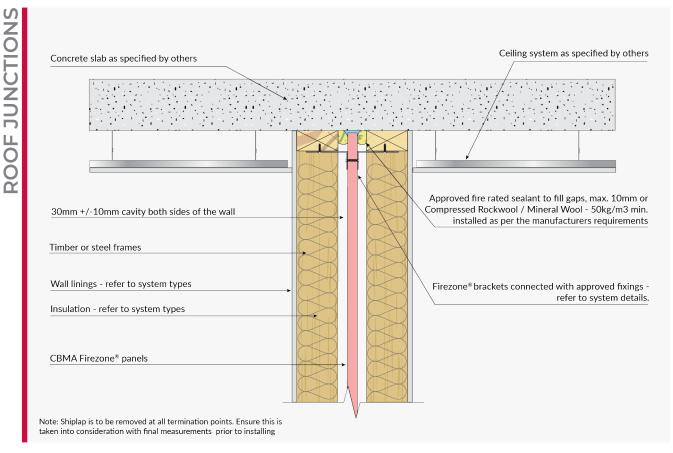


FIREZONE TYPICAL CONTINUOUS ROOF

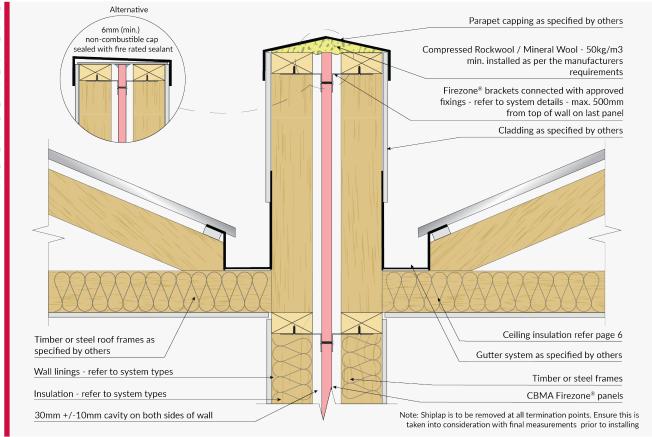


FIREZONE TYPICAL PITCHED ROOF

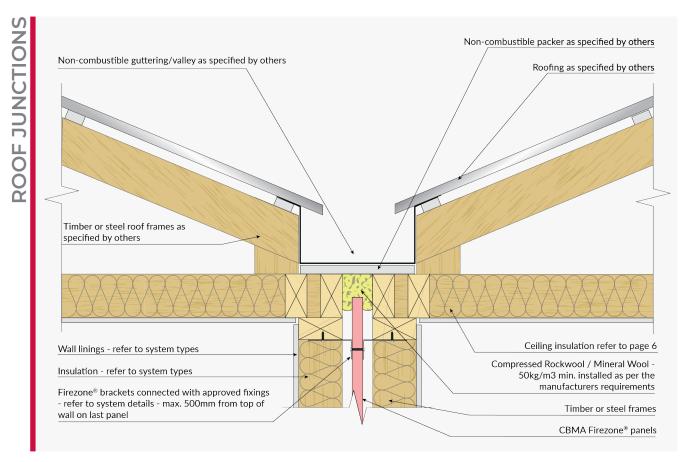
DIAGRAM 9



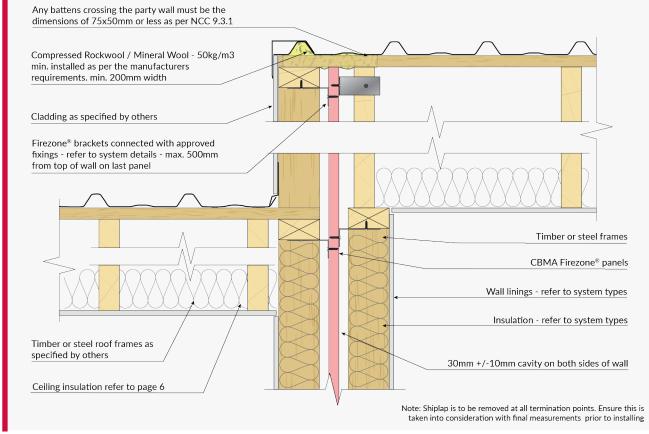
FIREZONE TYPICAL SUSPENDED SLAB



FIREZONE TYPICAL PARAPET

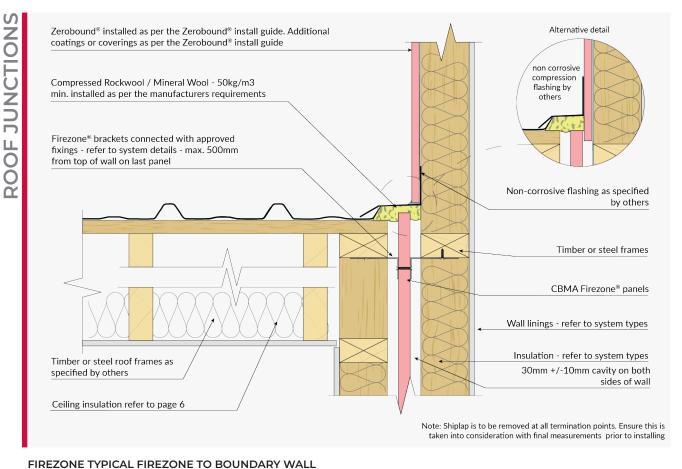


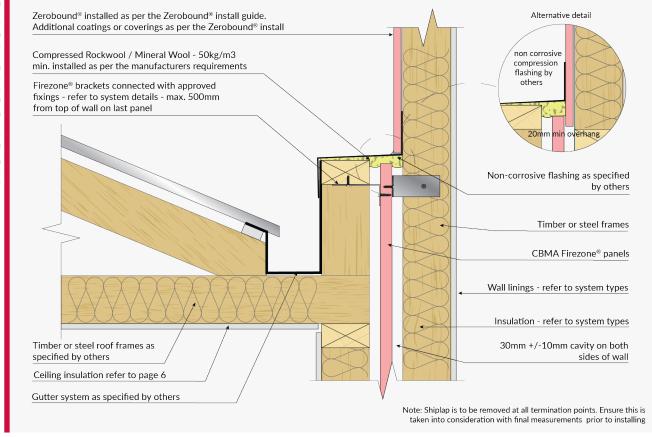
FIREZONE TYPICAL BOX GUTTER ROOF



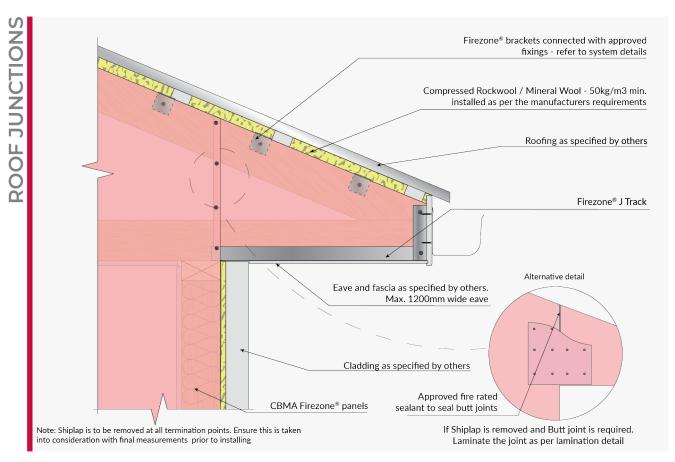
FIREZONE TYPICAL STEPPED ROOF

DIAGRAM 13

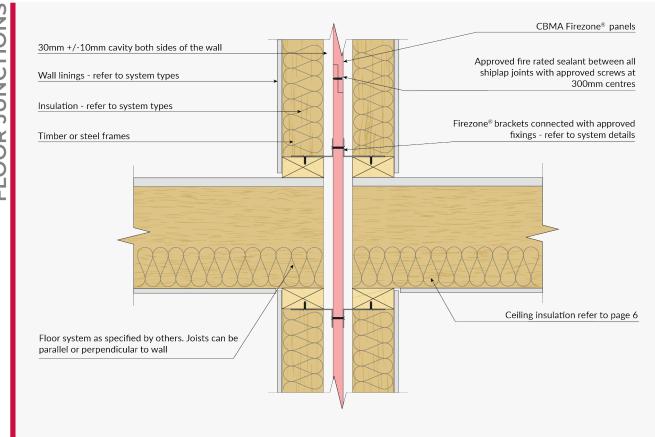




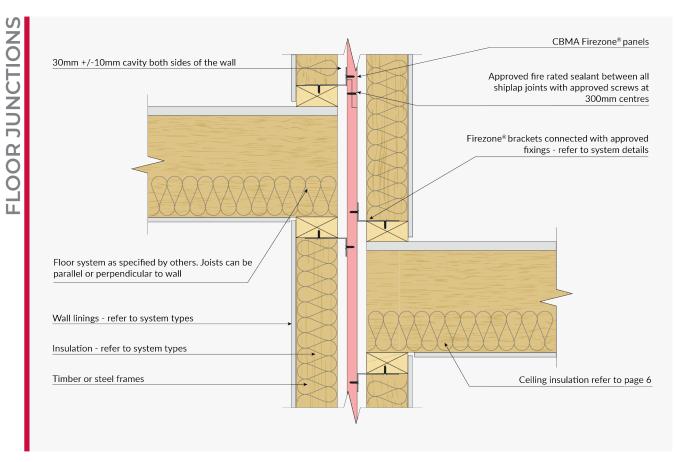
FIREZONE TYPICAL FIREZONE TO BOUNDARY WALL WITH BOX GUTTER $\operatorname{\mathsf{DIAGRAM}}$ 15



FIREZONE TYPICAL EAVE - OPTION ONE

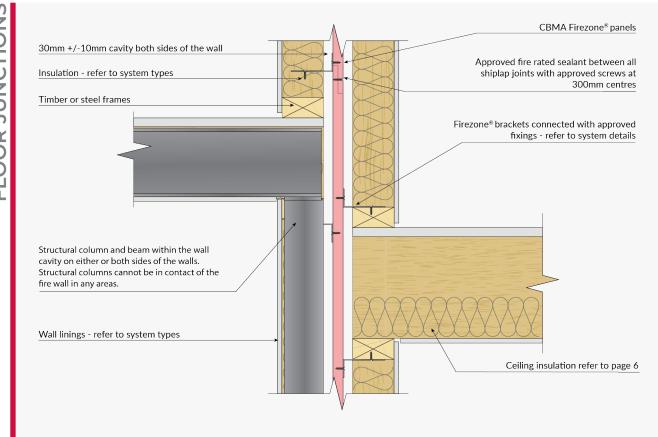


FIREZONE TYPICAL FLOOR LEVEL

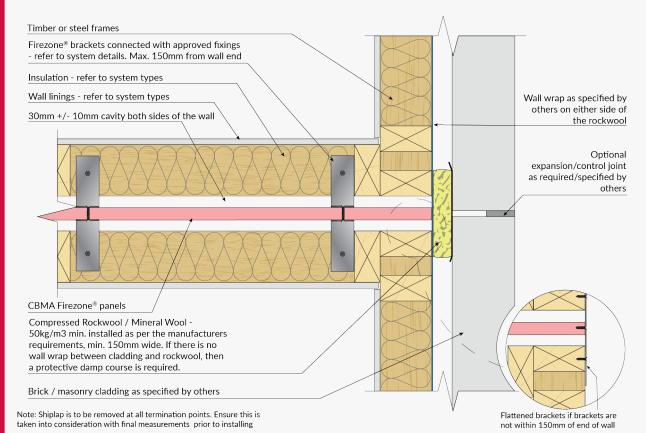


FIREZONE TYPICAL STEPPED LEVEL





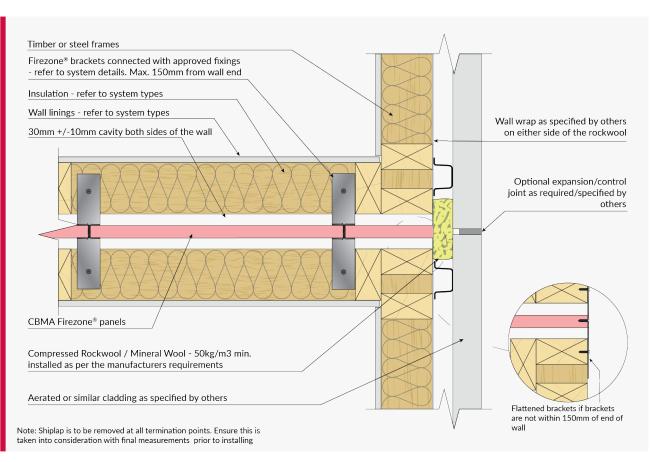
FIREZONE TYPICAL STRUCTURAL MEMBERS



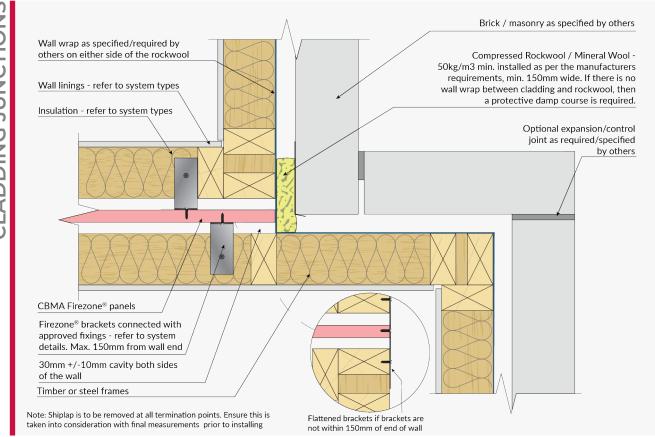
FIREZONE TYPICAL BRICK / MASONRY JUNCTION

DIAGRAM 21

CLADDING JUNCTIONS



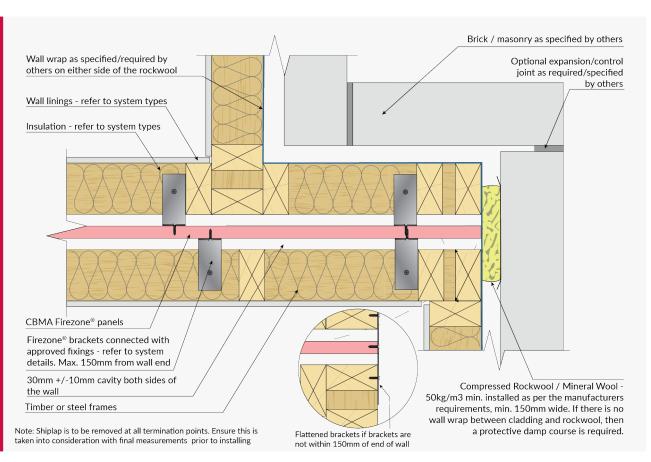
FIREZONE TYPICAL AAC JUNCTION



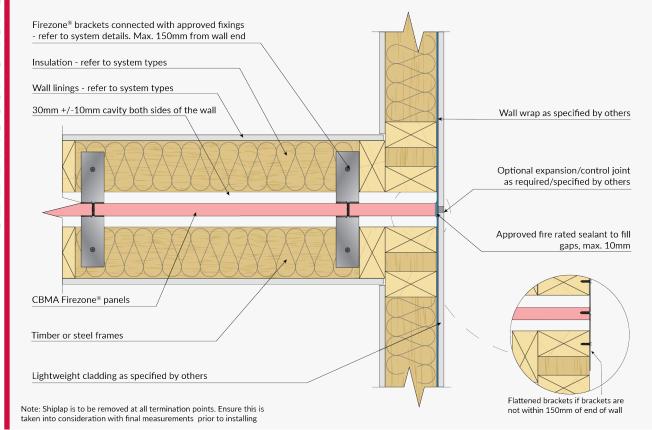
FIREZONE TYPICAL BRICK / MASONRY WITH RETURN - OPTION ONE

DIAGRAM 23

CLADDING JUNCTIONS

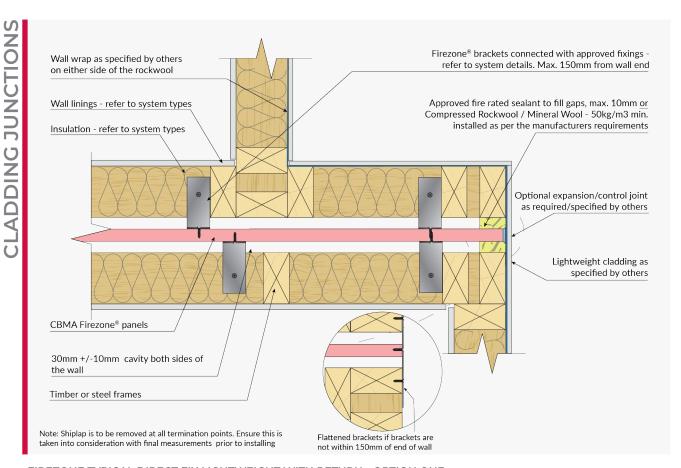


FIREZONE TYPICAL BRICK / MASONRY WITH RETURN - OPTION TWO DIAGRAM 24

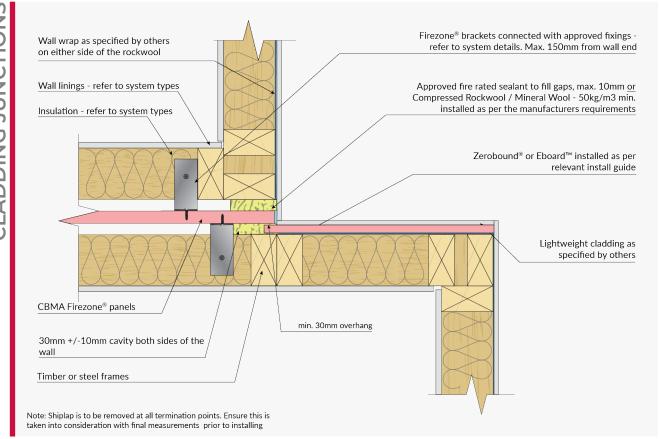


FIREZONE TYPICAL DIRECT FIX LIGHTWEIGHT JUNCTION

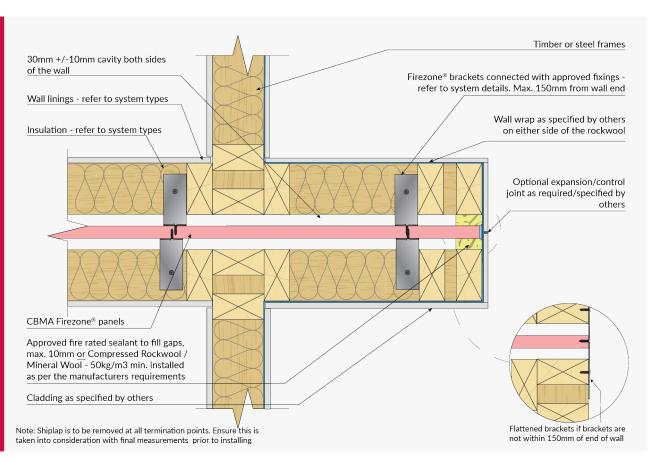
DIAGRAM 25



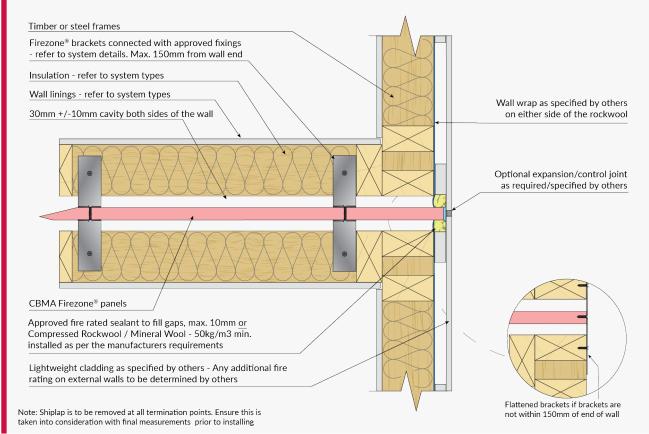
FIREZONE TYPICAL DIRECT FIX LIGHTWEIGHT WITH RETURN - OPTION ONE



FIREZONE TYPICAL DIRECT FIX LIGHTWEIGHT WITH RETURN - OPTION TWO

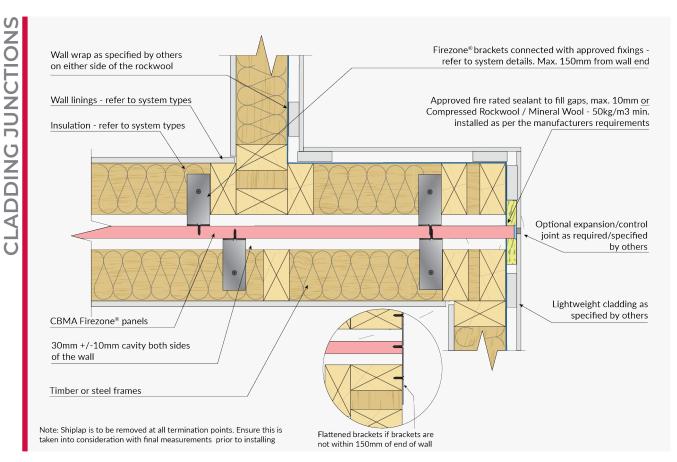


FIREZONE TYPICAL DIRECT FIX LIGHTWEIGHT BLADE WALL

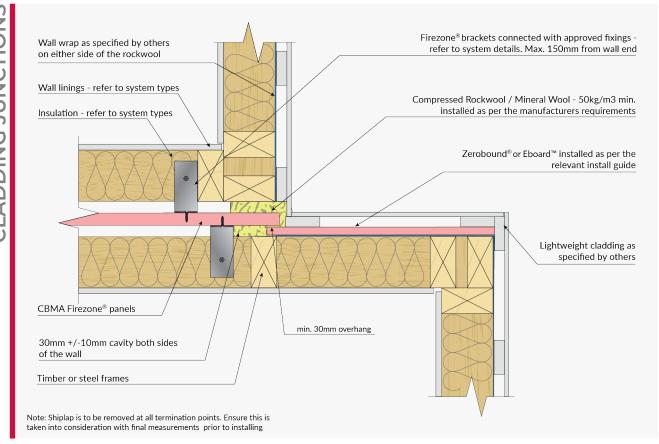


FIREZONE TYPICAL CAVITY FIX LIGHTWEIGHT JUNCTION

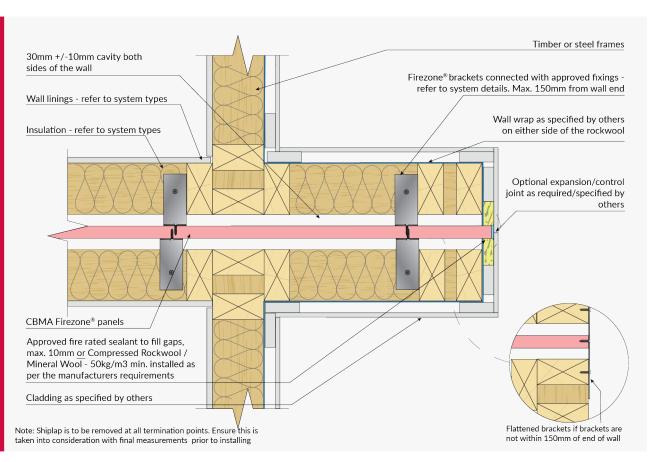
DIAGRAM 29



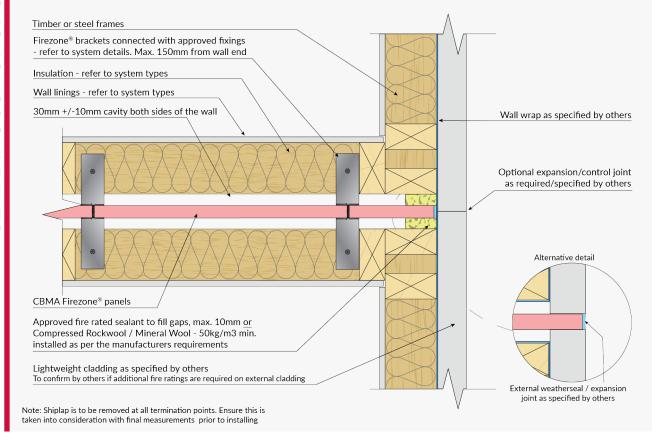
FIREZONE TYPICAL CAVITY FIX LIGHTWEIGHT WITH RETURN - OPTION ONE



FIREZONE TYPICAL CAVITY FIX LIGHTWEIGHT WITH RETURN - OPTION TWO



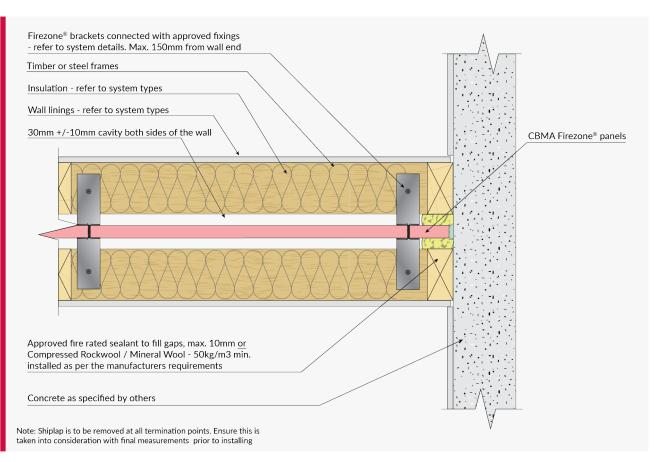
FIREZONE TYPICAL CAVITY FIX LIGHTWEIGHT BLADE WALL



FIREZONE TYPICAL LIGHTWEIGHT CLADDING JUNCTION

DIAGRAM 33

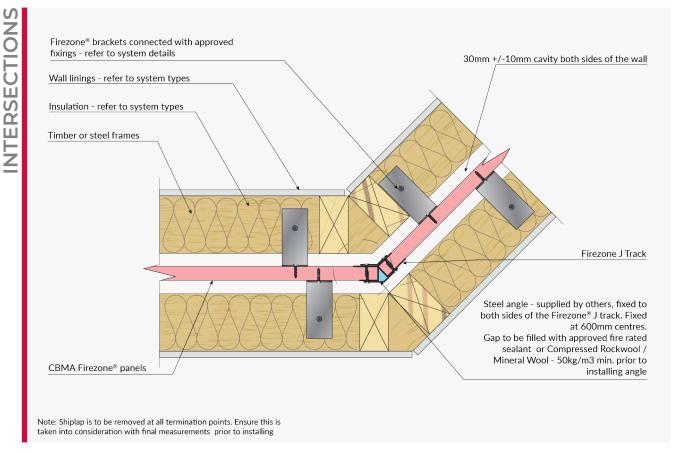
CLADDING JUNCTIONS



FIREZONE TYPICAL CONCRETE WALL JUNCTION

FIREZONE TYPICAL FIREZONE TO FRL CLADDING JUNCTION

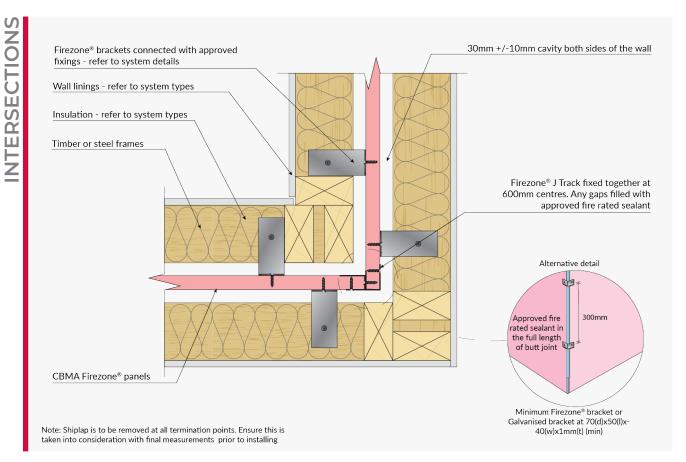
DIAGRAM 35



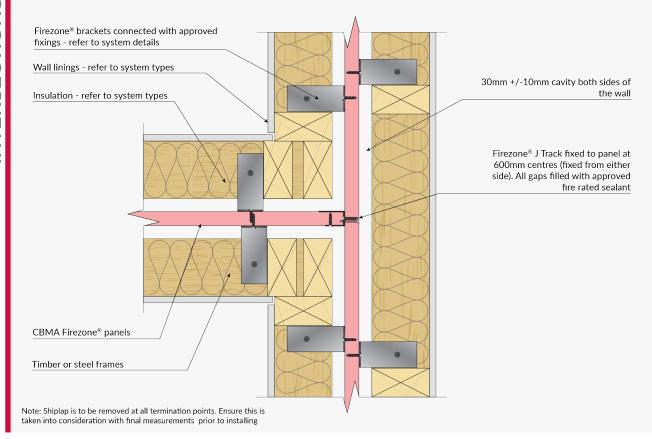
FIREZONE TYPICAL OBTUSE ANGLE CORNER

FIREZONE TYPICAL INTERNAL CORNER

DIAGRAM 37

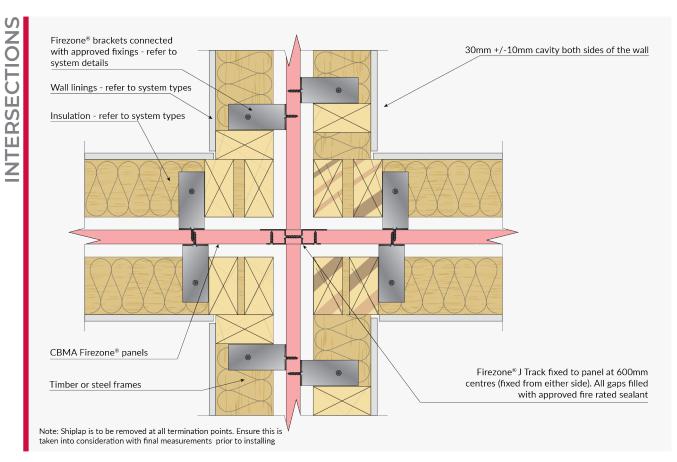


FIREZONE TYPICAL EXTERNAL CORNER

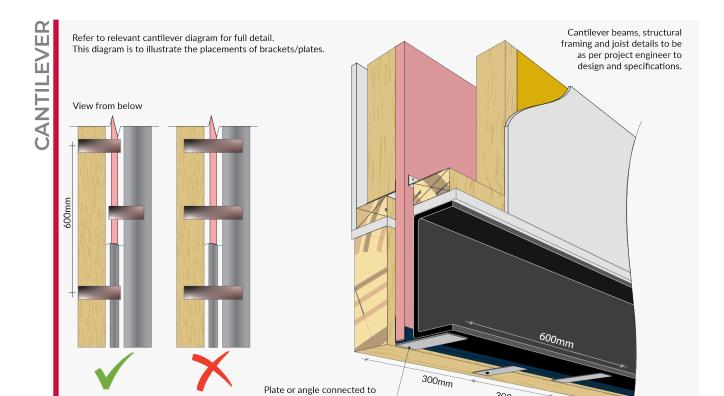


FIREZONE TYPICAL 'T' INTERSECTING WALL

DIAGRAM 39



FIREZONE TYPICAL 'X' INTERSECTING WALL



each beam, spaced at 600mm

centers along each beam.

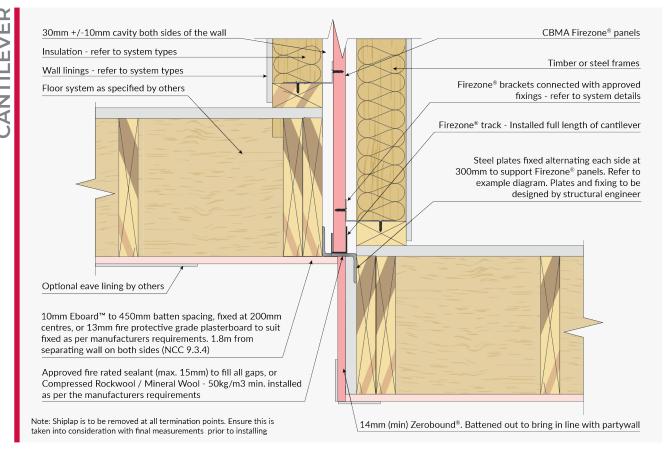
300mm

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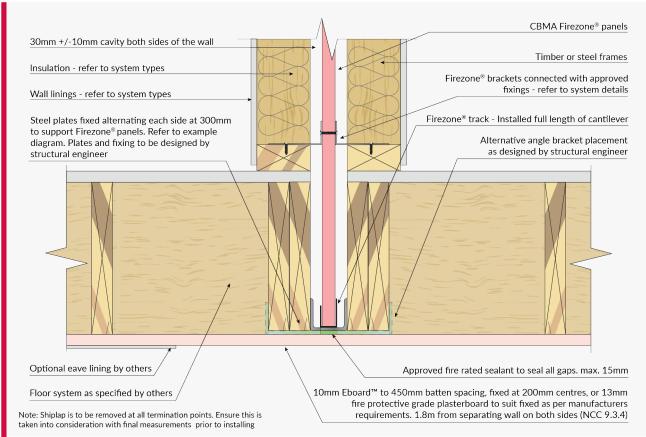
FIREZONE CANTILEVER SUPPORT LAYOUT

No single bracket, angle or plate is to fixed or welded to both joists.

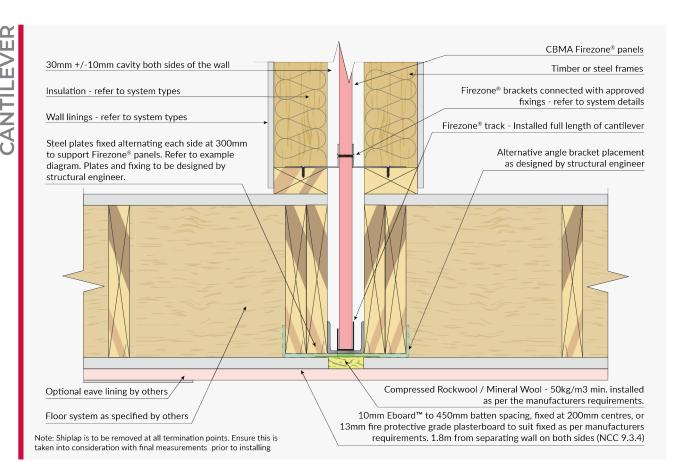
DIAGRAM 41



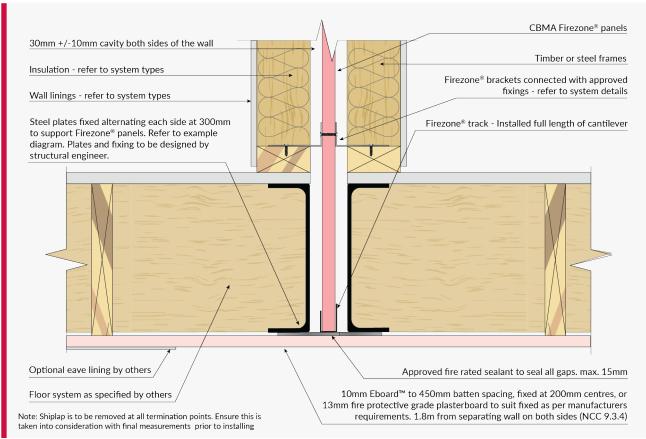
FIREZONE TYPICAL STEPPED CANTILEVER



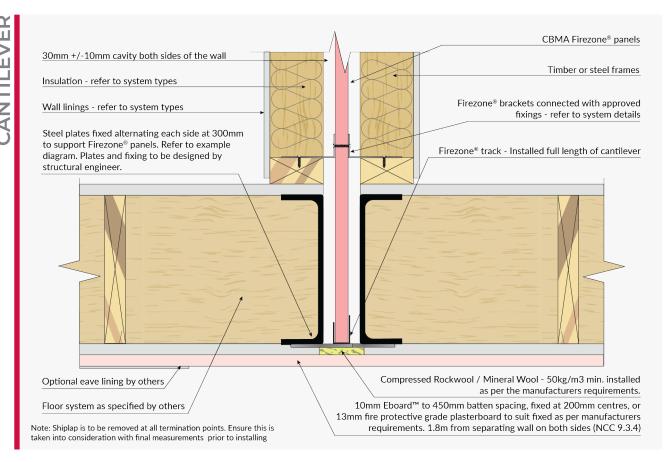
FIREZONE TYPICAL CANTILEVER WITH TIMBER BEAMS - DIRECT FIX SOFFIT DIAGRAM 43



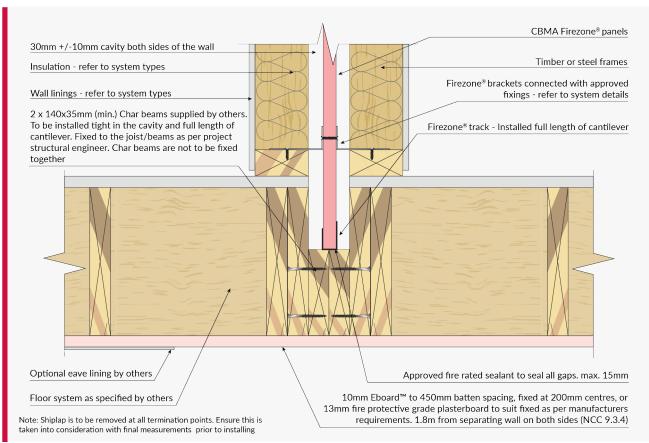
FIREZONE TYPICAL CANTILEVER WITH TIMBER BEAMS - CAVITY FIX SOFFIT DIAGRAM 44



FIREZONE TYPICAL CANTILEVER WITH STEEL BEAMS - DIRECT FIX SOFFIT

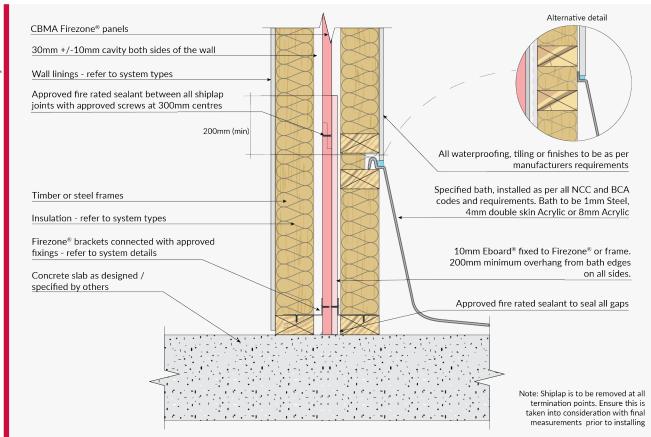


FIREZONE TYPICAL CANTILEVER WITH STEEL BEAMS - CAVITY FIX SOFFIT



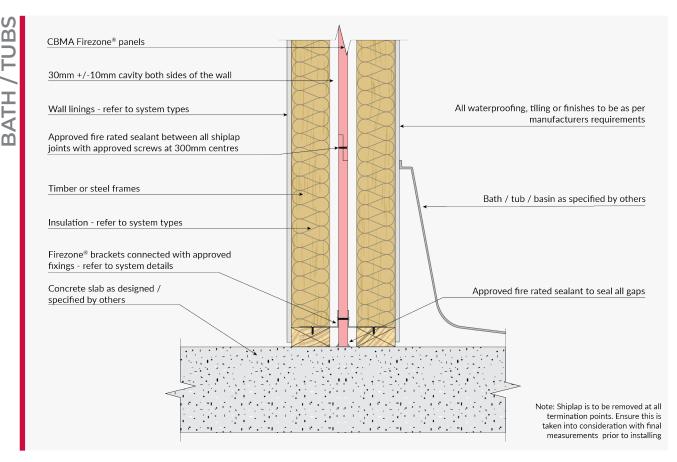
FIREZONE TYPICAL CANTILEVER WITH CHAR-BEAM





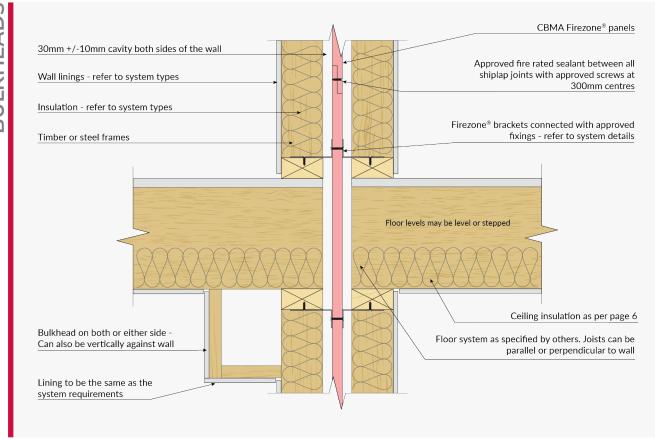
FIREZONE TYPICAL BATH / TUB PRE WALL LINING

DIAGRAM 48



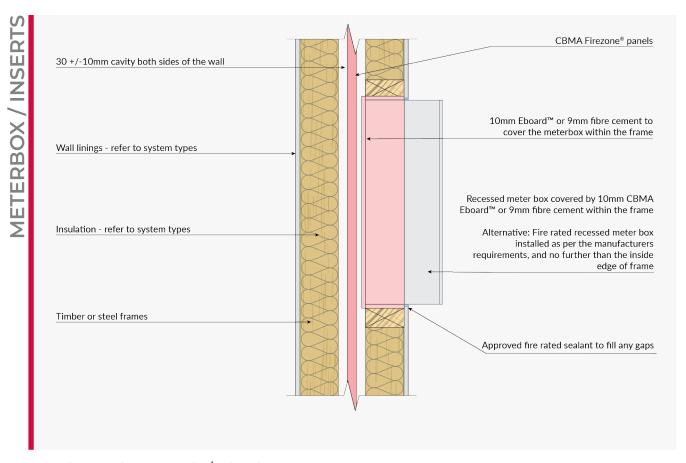
FIREZONE TYPICAL BATH / TUB POST WALL LINING



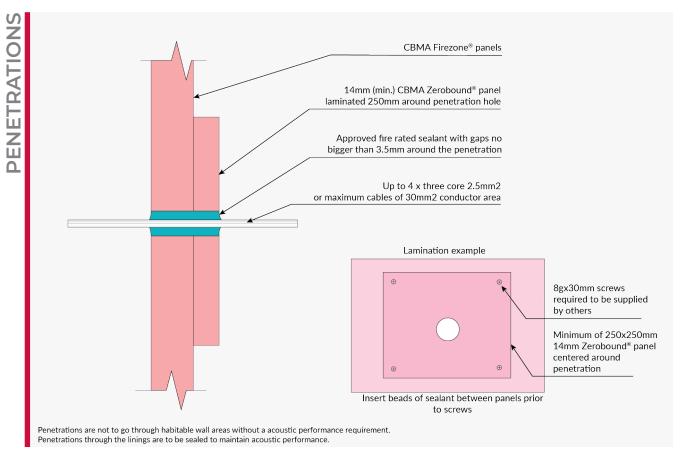


FIREZONE TYPICAL BULKHEAD

DIAGRAM 50

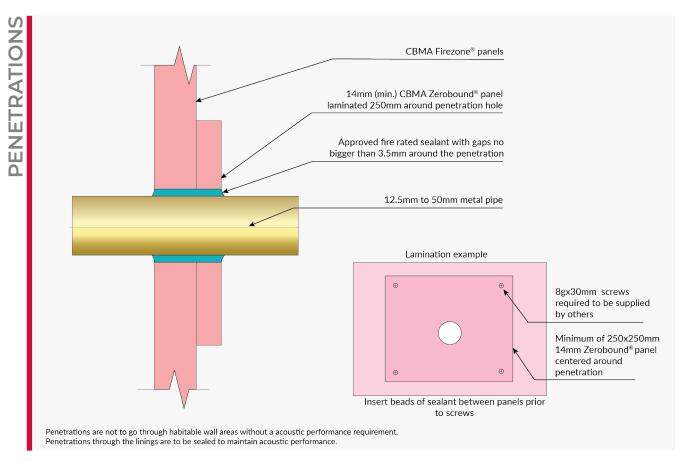


FIREZONE TYPICAL METERBOX / INSERTS

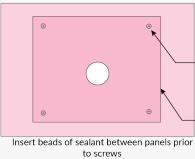


FIREZONE TYPICAL -/60/60 CABLE PENETRATIONS

DIAGRAM 52



FIREZONE TYPICAL -/60/15 PIPE PENETRATIONS



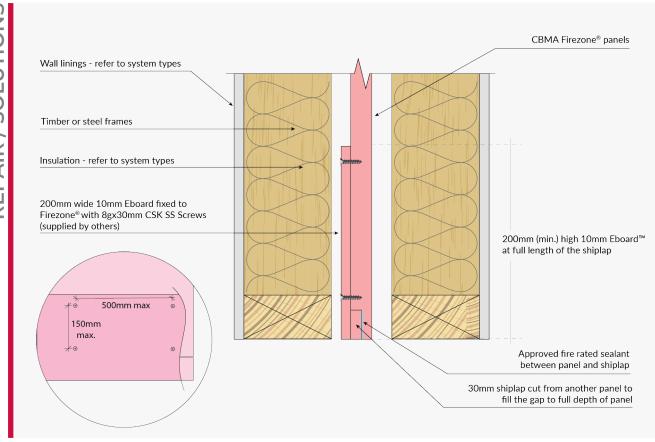
8gx30mm screws required to be supplied by others

Minimum of 250x250mm 14mm Zerobound® panel centered around penetration

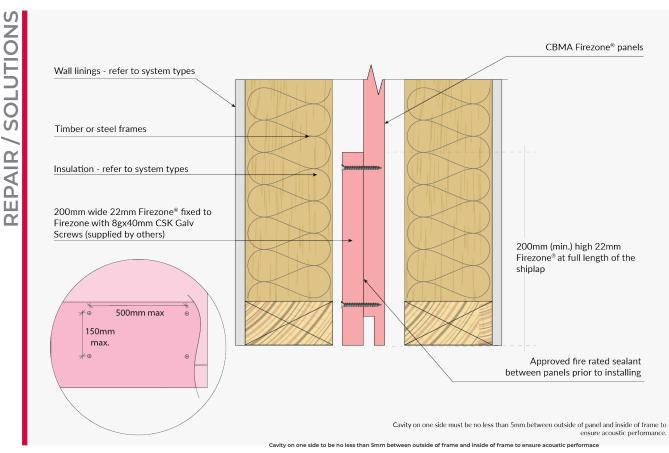
Penetrations are not to go through habitable wall areas without a acoustic performance requirement. Penetrations through the linings are to be sealed to maintain acoustic performance.

FIREZONE TYPICAL -60/60 PIPE PENETRATIONS

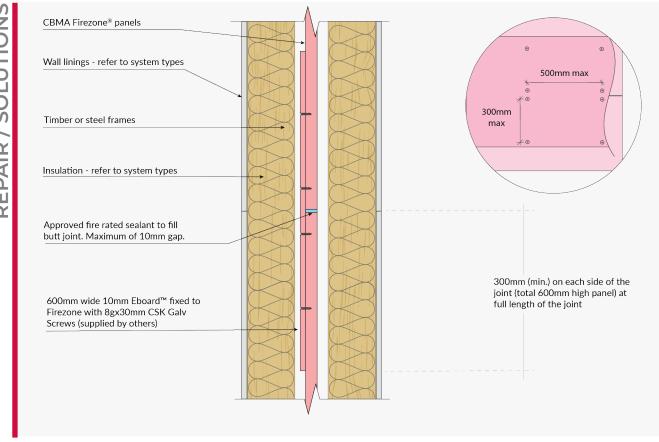




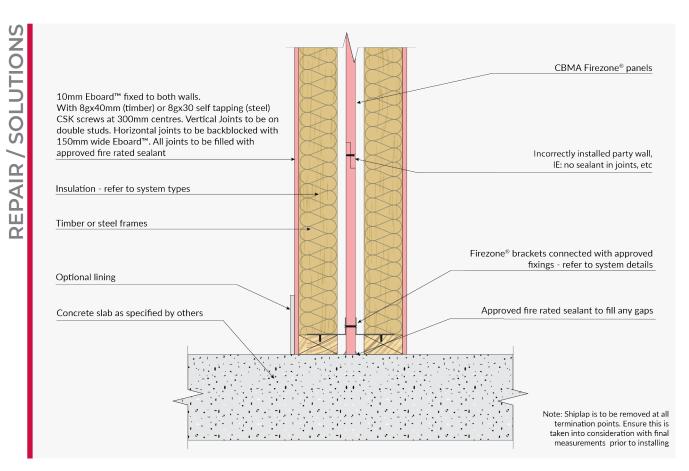
FIREZONE TYPICAL SHIPLAP REPAIR - OPTION ONE



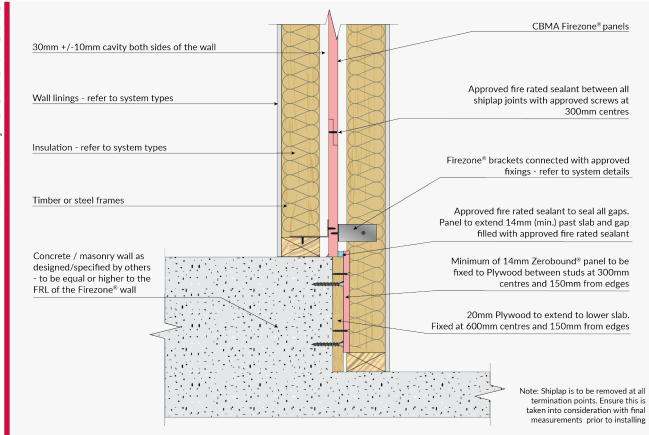
FIREZONE TYPICAL SHIPLAP / DAMAGED EDGE REPAIR - OPTION TWO ${\it DIAGRAM}\ 56$



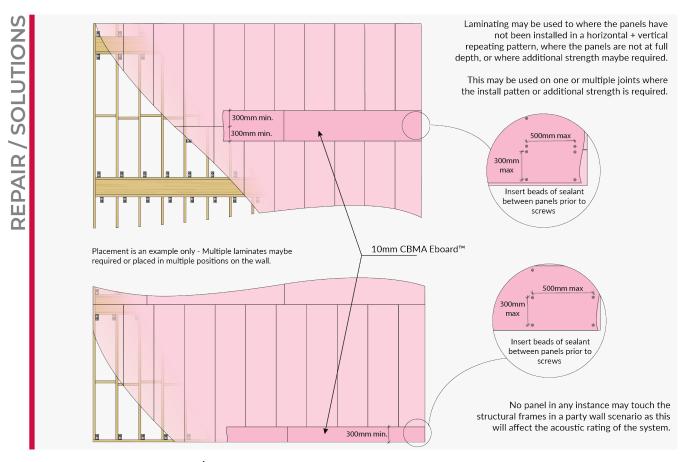
FIREZONE TYPICAL BUTT JOINT / LAMINATE REPAIR



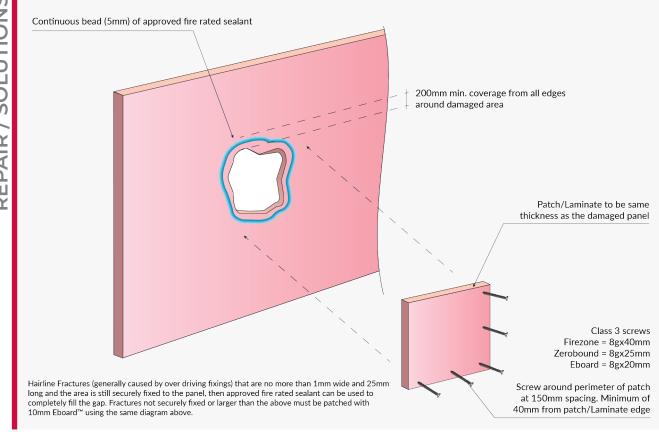
FIREZONE TYPICAL FULL FIREWALL REPAIR



FIREZONE TYPICAL SLAB REPAIR

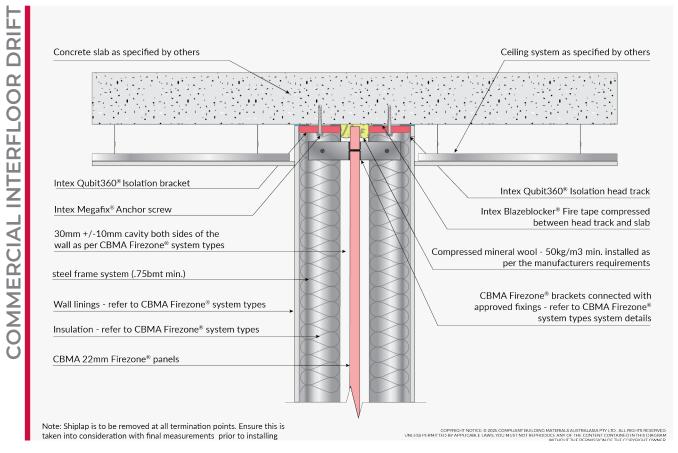


FIREZONE VERTICAL INSTALL / LAMINATE REPAIR



FIREZONE TYPICAL PATCH REPAIR

DIAGRAM 61



FIREZONE TYPICAL INTERFLOOR DRIFT SOLUTION

FIREZONE CHECKLIST

ALL SHIPLAPS HAVE 4 HOUR FIRE RATED

SEALANT IN THEM

| DATE: | INSTALLER/BUILDER: | | | | | | |
|---|--------------------|---------|-------------|----------|--|--|--|
| PROJECT ADDRESS: | | | | | | | |
| BUILDER INSPECTED: | | INSTALL | ER INSPECTE | D: | | | |
| SIGNED: | | SIGNED: | | | | | |
| NAME: | NAME: | | | | | | |
| DATE: DATE: | | | | | | | |
| This checklist is to assist the correct installation of the CBMA Firezone party wall system. Please check and/or comment the items as required. | | | | | | | |
| REFER TO INSTALL GUIDE FOR FULL INSTALLATION DETAILS | | | | | | | |
| ITEM | REF/DIA | PASSED | RECTIFY | COMMENTS | | | |
| FRAMING BUILD AS PER NCC F REQUIREMENTS | FRAMING | | | | | | |
| FIRST PANEL HAS SHIPLAP REI SLAB CONNECTION | MOVED AT | | | | | | |
| 4 HOUR FIRE RATED SEALANT ALL GAPS BETWEEN SLAB AND PANEL | | | | | | | |
| PANELS INSTALLED IN A HORIZ / VERTICAL PATTERN - FIRST PA HORIZONTAL | | | | | | | |
| HAS THE WALL AND ROOF TER POINTS HAD THE SHIPLAP REN FORM THE PANEL | | | | | | | |
| DISTANCE BETWEEN FIREZON AND FRAMING IS BETWEEN 20 BOTH SIDES OF WALL, OR AS F |)-40MM ON | | | | | | |
| FIREZONE BRACKETS CONNEC BOTTOM & TOP PLATE AT MAX. ALL LEVELS - BOTH SIDES | | | | | | | |
| INTERMEDIATE BRACKETS (WHREQUIRED) ARE INSTALLED | HERE | | | | | | |
| | | | | | | | |

FIREZONE CHECKLIST

This checklist is to assist the correct installation of the CBMA Firezone party wall system. Please check and/or comment the items as required.

| ITEM | REF/DIA | PASSED | RECTIFY | COMMENTS |
|--|---------|--------|---------|----------|
| ALL SHIPLAPS HAVE BEEN SECURED WITH MIN. OF 8GX25MM SCREWS AT A MAXIMUM 300MM SPACING | | | | |
| NO DAMAGES ON ANY PANELS AND WALL IS FULL PANEL THICKNESS THROUGHOUT, OR REPAIRED AS PER INSTALL GUIDE | | | | |
| NO PENETRATIONS IN THE WALL AREAS EXCEPT APPROVED PENETRATIONS BY CERTIFIED BODIES. | | | | |
| ANY PENETRATIONS IN THE ROOF / FLOOR SPACES INSTALLED AS PER THE INSTALL GUIDE | | | | |
| NO SERVICES ARE CONNECTED OR IN CONTACT WITH THE FIREZONE WALL | | | | |
| ALL ROOF JUNCTIONS HAVE THE REQUIRED ROCKWOOL INSTALLED | | | | |
| ALL CLADDING JUNCTIONS COMPLETED AS PER THE REQUIRED DIAGRAM | | | | |
| COMMENTS / A | ACTI | ONS | 5 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

This Checklist is not a confirmation from CBMA on the quality or conformity of installation Of any project specific installation.



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WEB & EMAIL

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