

K8



# SUPAPANEL®



# Installation Guide



the next generation of aerated panels





K8



# SUPAPANEL

K8 SUPAPANEL® is pleased to offer this Design & Installation Guide for our Fire and Acoustic Rated Wall Systems.

It has been developed by acknowledging Australian and New Zealand standards. This guide is not intended to follow the requirements of the relevant building codes of Australia or New Zealand standards, and is presented as a report of K8 SUPAPANEL® in various applications.

The guide acts as an example for architects, builders, designers and engineers in installing and engineering K8 SUPAPANEL® for non-load bearing applications. There are several different manners which the installation of K8 SUPAPANEL® complies with regulations.

The installation guide is a base method only.

All installations should be installed with direct reference to the relative fire assessment for this project.

<https://www.k8australia.com.au/>



## FEATURES

K8 SUPAPANEL® has successfully developed a panel based system for providing non-loading bearing Fire and Acoustic Rated walls. The panel system is easy to handle and assemble, quick to install and is user friendly.

K8 SUPAPANEL® are roll formed galvanised steel outer layers filled with aerated concrete and interlock together in a “tongue and groove” arrangement.

# Table of Contents

## Intallation Guide

About Us	2
Vertical Installation	4
Cutting Panels	9
Standard Head Detail	10
Standard Base Detail	12
Sealing Joints	13
Fire Rated Wall Systems	16
Plaster Connections	19
Penetration Details	24
Extract from a performance solution	29
Resources	37
Manufacture's Statement	39
Publication Control	40
Contact Us	41

**K8**



**SUPAPANEL®**



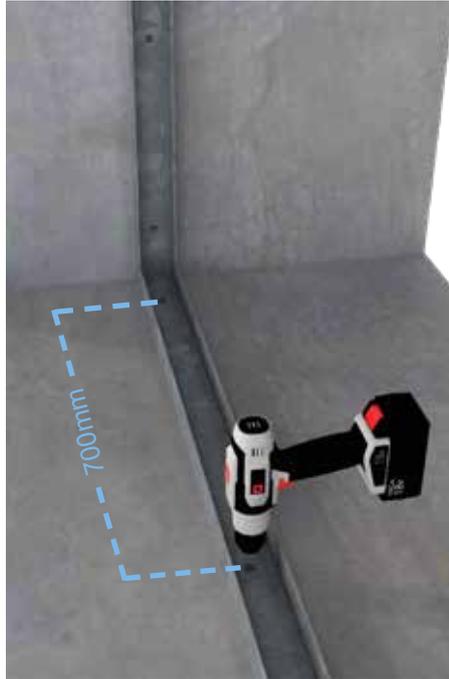
# VERTICAL INSTALLATION

## Step 1 - Sealing Track



Before track is fixed to the structure, place a continuous bead of sealant on the surface where the track will be installed.

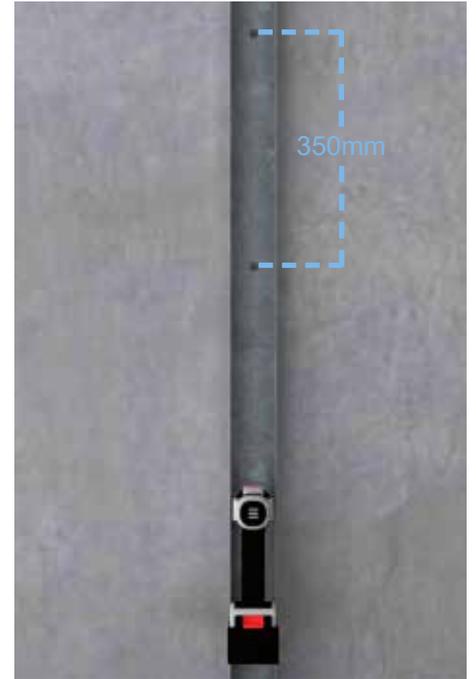
## Step 2 - Fixing Top & Bottom Track



K8 SUPAPANEL® requires C-track to be fixed around the opening of the structure in which the panels will then be slotted into.

J-track or C-track can be used as base track with fixing points at every 700mm for base and top tracks.

## Step 3 - Fixing Side Track



The vertical side tracks are to be fixed typically at 350mm centres.

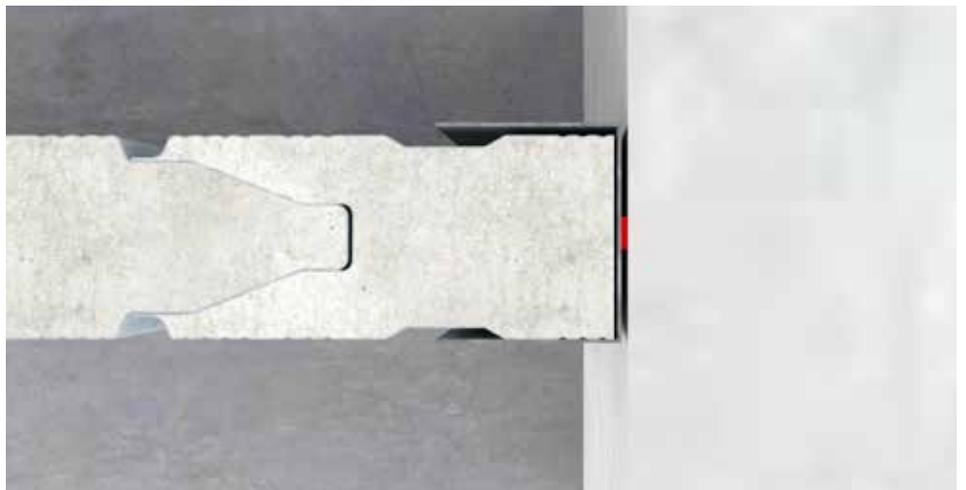
Note: External use with high wind loads require alternative fixing centres. Consult with the manufacturer for clarifications.

## Step 4 - Fixing Top Track



It is highly recommended to cut a flange at 1050mm wide into the top track as this will help slot K8 SUPAPANEL® into the track and close off the wall.

## Step 5 - Cutting Panels



Before placing the first K8 SUPAPANEL® into the track, refer to the cutting section of this manual for clarification on cutting the panel if required to fit within the opening.

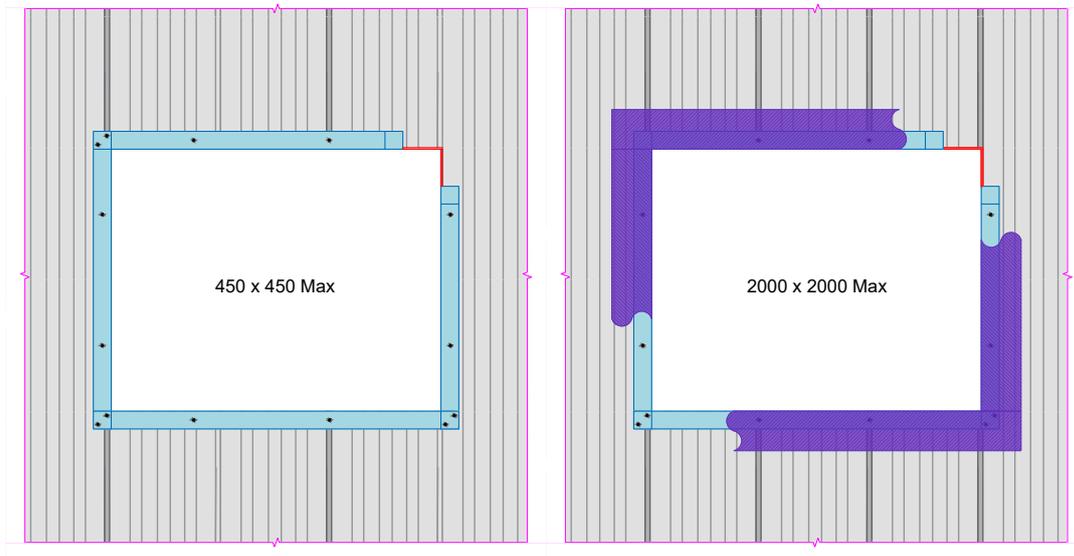
Note: Please check with the assessment document for all relevant spacings for each application.

# VERTICAL INSTALLATION

## Track Penetration Details

Note:

- 20mm 8g screw joints max 200mm centres as well as all panel joints around perimeter (one side only)

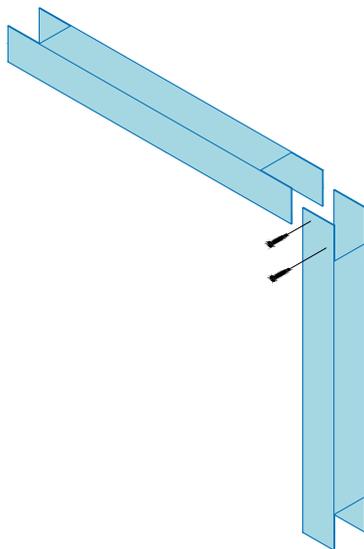


Note:

- If opening does not exceed 450mm in either length or height then no covering of fire protection is required.
- Additional layers of 125mm strips of fire rated plasterboard may be required to match wall thickness required for certified tested dampers.
- Bead of 2 hour fire rated sealant to seal in between panels and tracks.
- Each corner overlapping top ends.
- 72mm K8 SUPAPANEL®.

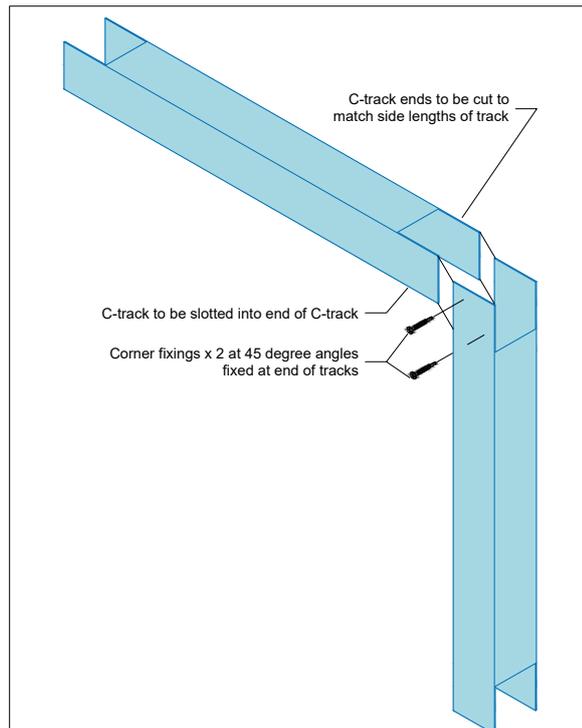
Notes:

- If opening exceeds 450mm in either length or height then 13mm fire shield or 6mm magnesium board at 125mm is required.
- Additional layers of 125mm strips of fire rated plasterboard may be required to match wall thickness requirements for certified tested dampers.
- Each corner overlapping top ends.
- 72mm K8 SUPAPANEL®.



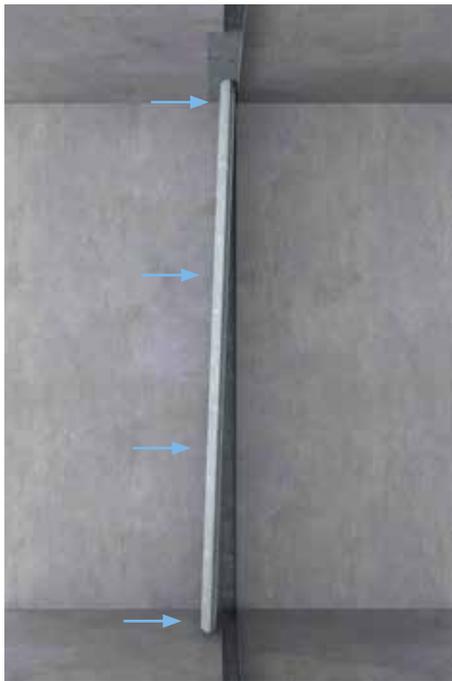
Notes:

- Corner fixings 2 x 8g screws at 45 degree angles fixed at end of tracks.
- C-track ends to be cut to match side lengths of track.
- C-track to be slotted into end of C-track.
- C-track 55/78/55 0.9 BMT.



# VERTICAL INSTALLATION

## Step 6 - Inserting First Panels

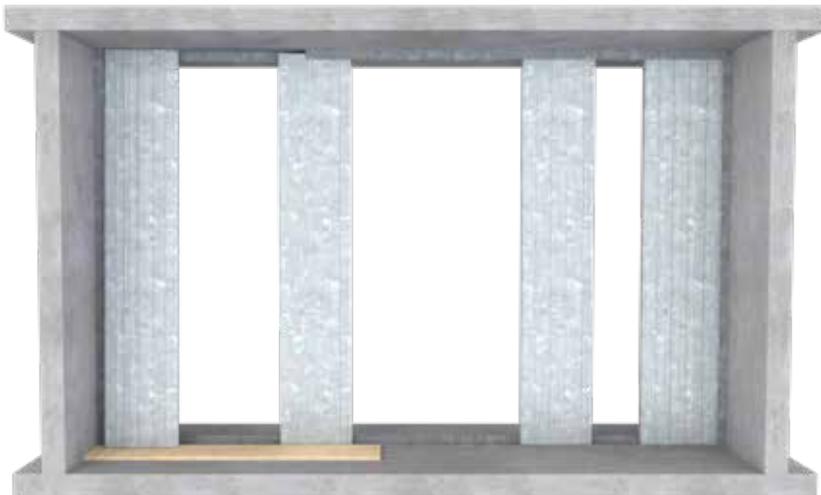


To insert the panels into the track easily, lift the panel on an angle and place the top into the track with the fold. Place the bottom of the panel into the track and shift the panel to the end of the track.

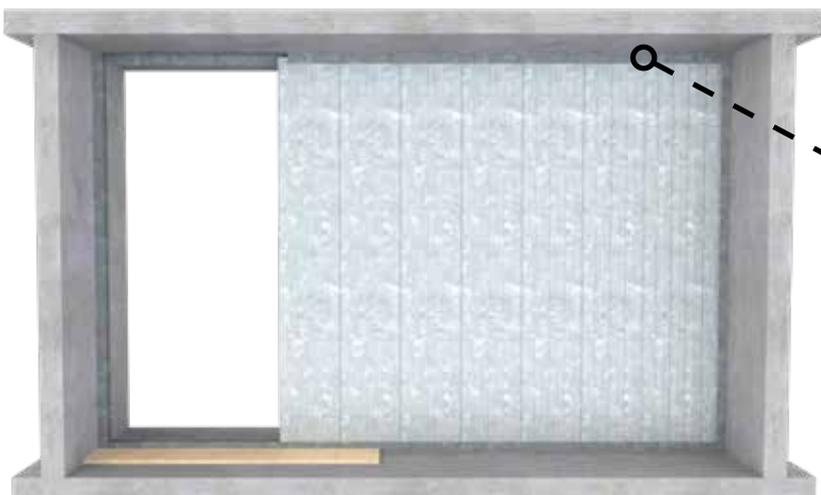
Note: If the bottom track is J-track, place a 15 - 20mm thick sheet of ply or equivalent underneath the K8 SUPAPANEL to easily slide the panel into the track without needing to lift.



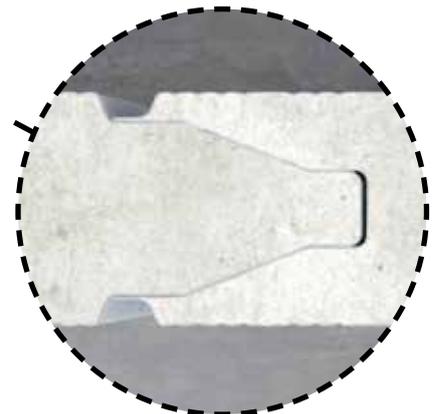
## Step 7 - Inserting Panels



Once the first panel is placed at the end of the track, continue to insert the rest of the panels into the track and butt them up against one another.



Note: Make sure all panels are flush with the female or male counterpart.



# VERTICAL INSTALLATION

## Step 8 - Inserting Final Panel



Wedge two panels into the C-track, make sure that one panel is placed within the track and the other panel is placed within the already installed panel.



Wedge a single panel in between the two already placed panels. Make sure that the male and female connection points of the panel are positioned correctly.



Once the last panel is positioned in between the two angled panels, push the panels into the track to snap each panel into place.

## Step 9 - Folding Flange



Once all K8 SUPAPANEL® are slotted into the track, fold the flange against the wall.

## Step 10 - Fixing Flange



Fix the flange with two screws each side.

## Step 11 - Sealing Flange



Place a bead of sealant within gaps to seal the flange.

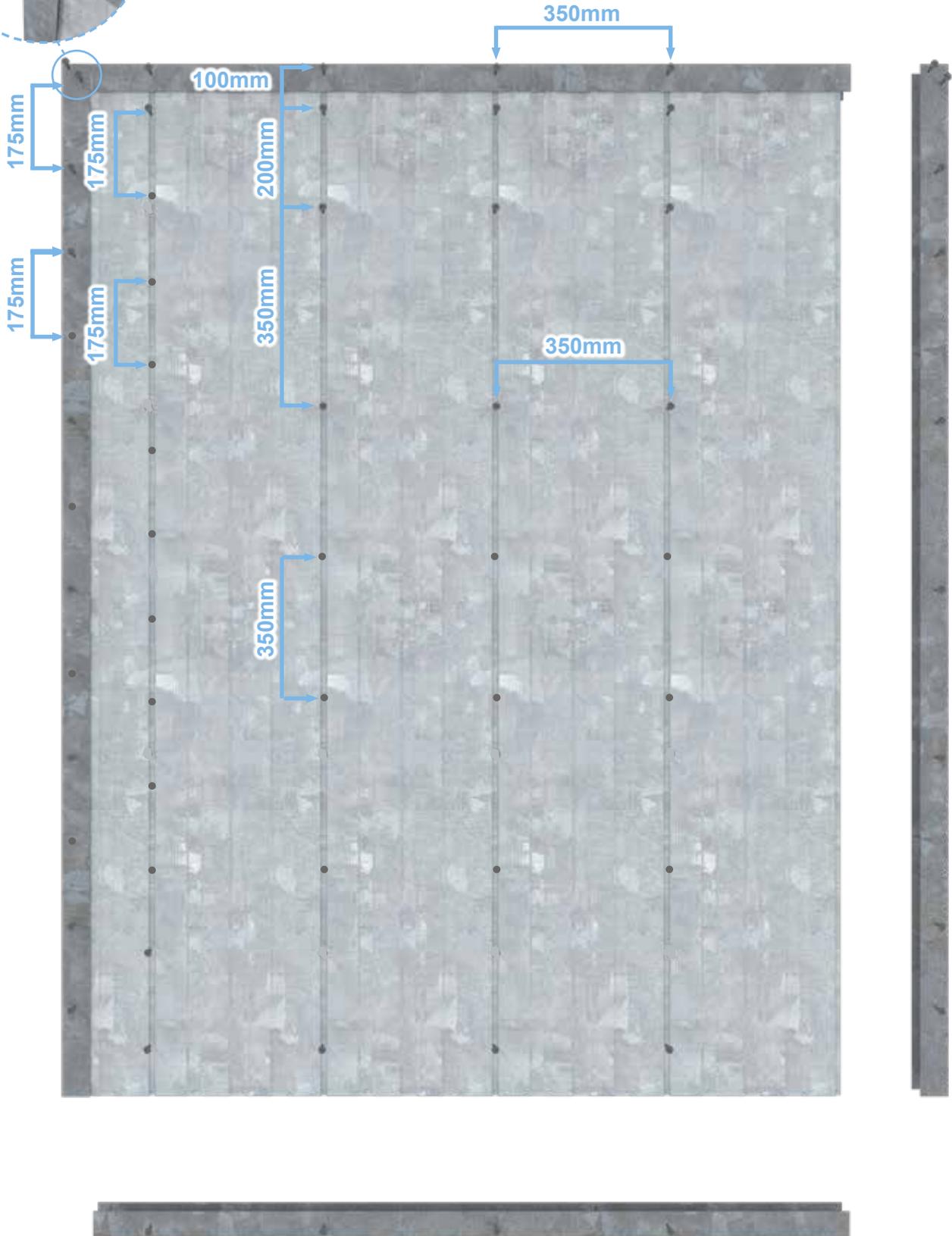
# VERTICAL INSTALLATION

## Step 12 - Fixing Panels



The corner fixings are to be screwed in on a 45° angle. There must always be 2 fixings at every corner.

**Note: Spans of panel lengths greater than 4.8 metres require more fixings. Consult the manufacturer.**



# CUTTING PANELS

In the case the K8 SUPAPANEL® may need to be cut at the end of the panel, we recommend leaving a 100mm off cut to prevent damage to the panel.

The recommended tools to use when cutting K8 SUPAPANEL® are:



## RECIPROCATING SAW

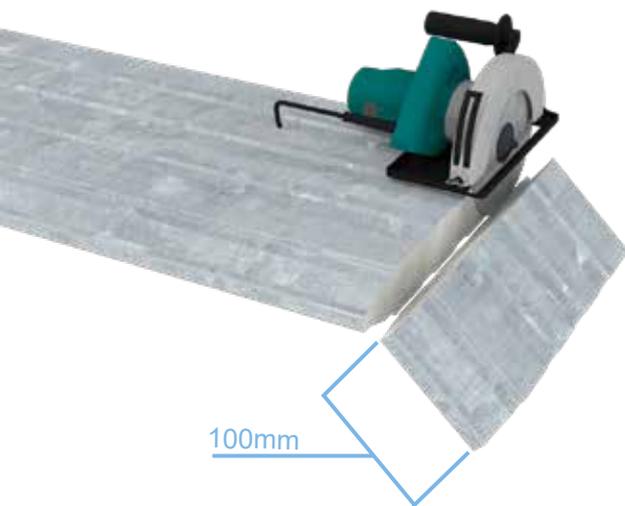
Used for cutting and trimming panels leaving a rough edge.



## SPECIALISED CIRCULAR SAW/GRINDER

Used for cutting panels and track leaving a smooth edge. A dust vacuum attachment is required for OH&S.

## Cutting Ends of Panels



The reason a K8 SUPAPANEL® may need to be cut is due to the fact that certain projects may require different lengths of panel within one wall depending on the application.

## Cutting Lengths of Panels

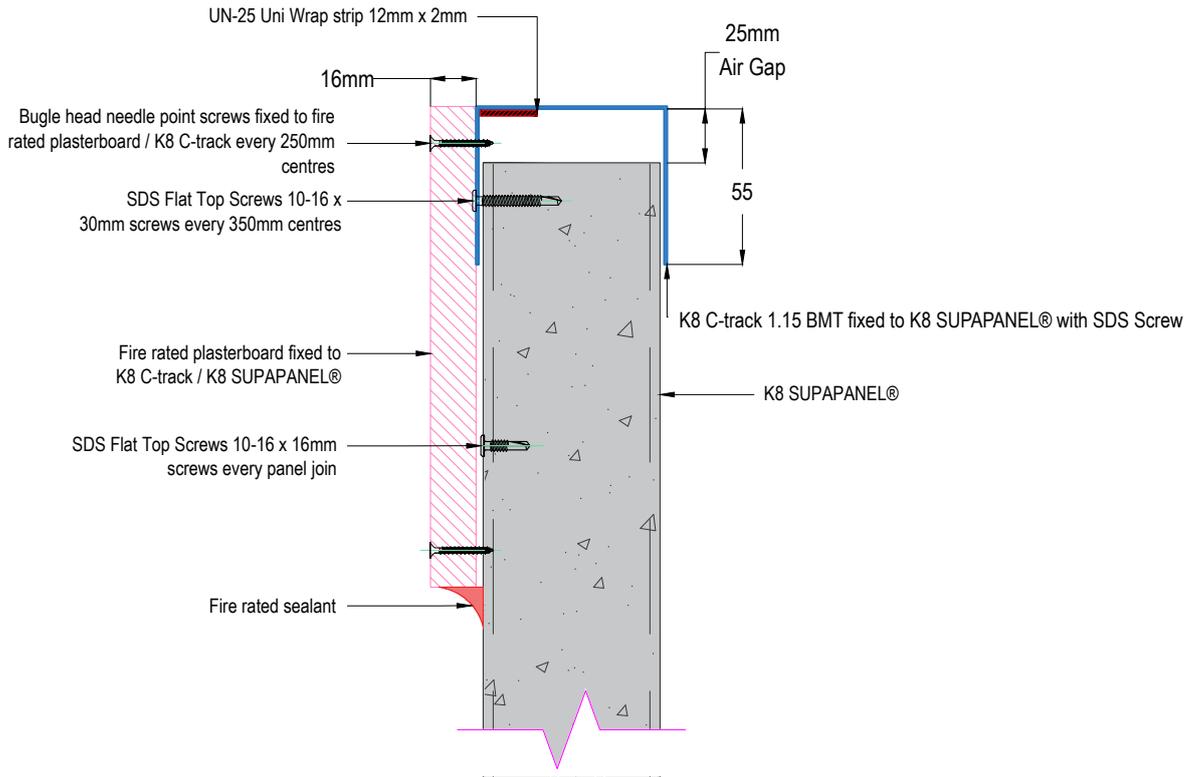
To complete the K8 SUPAPANEL® wall, or to make installing the panels significantly easier, a panel may need to be cut length ways.

Most wall lengths will not be specific to 350mm increments and require a cut K8 SUPAPANEL® to complete the wall.

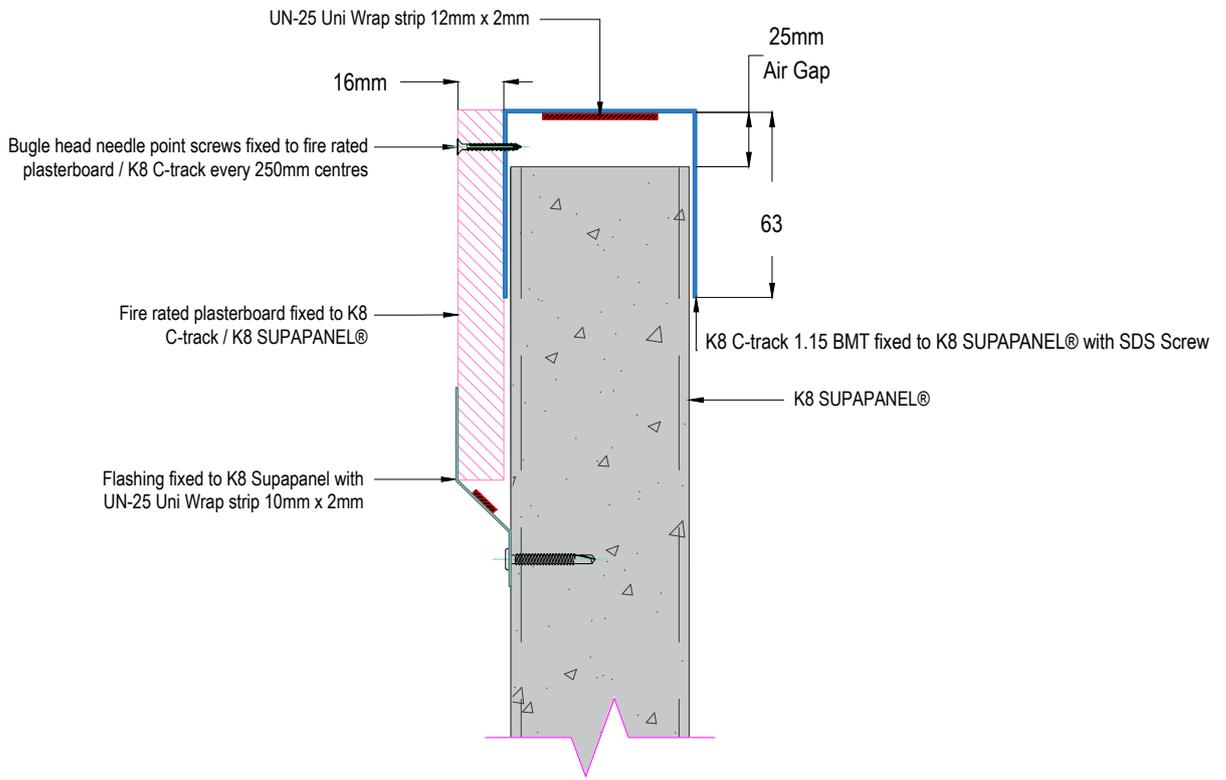


# STANDARD HEAD DETAILS

## Standard Head Detail | 72mm | -/120/120



## Standard Head Detail | 72mm | -/120/120

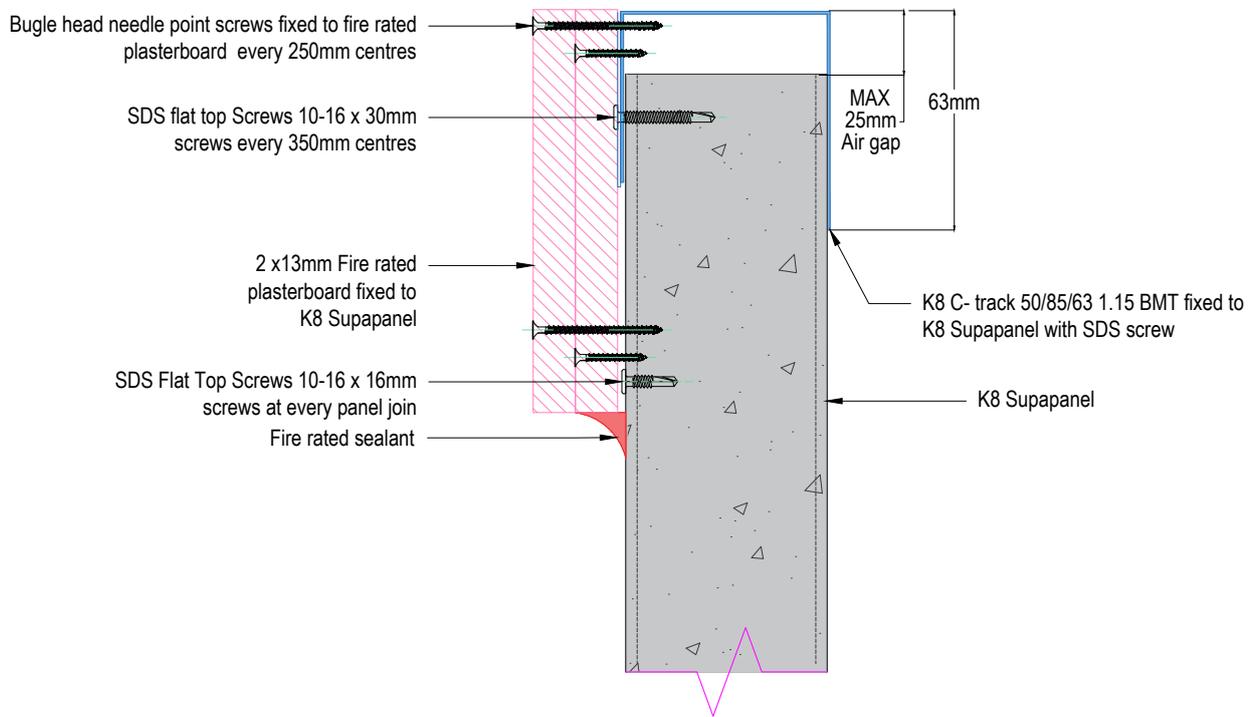


All installations should be installed with direct reference to the relative fire assessment for this project.

# STANDARD HEAD DETAILS

Standard Head Detail | 72mm | -/120/120

FITTING OPTION

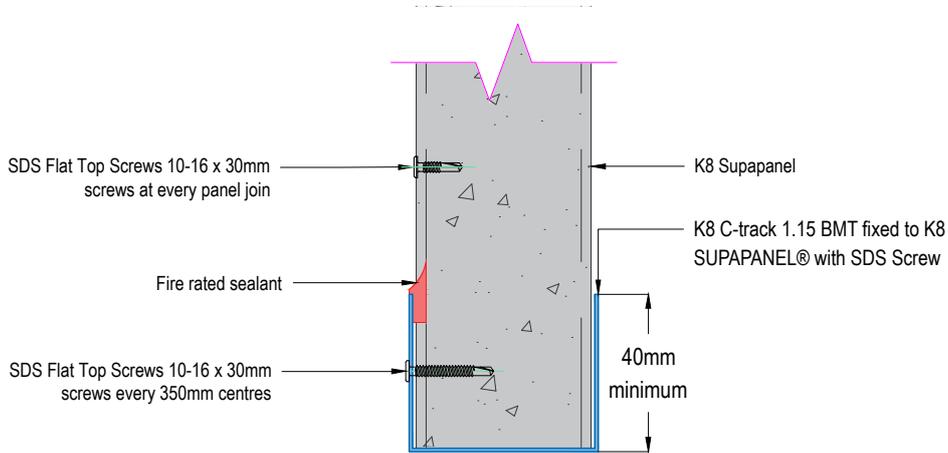


All installations should be installed with direct reference to the relative fire assessment for this project.

# STANDARD BASE DETAILS

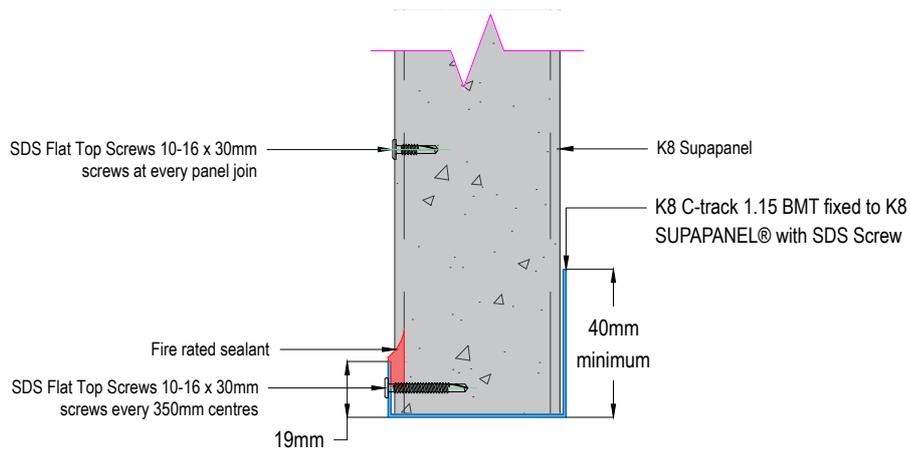
Standard Base Detail | 72mm | -/120/120

OPTION 1



Standard Base Detail | 72mm | -/120/120

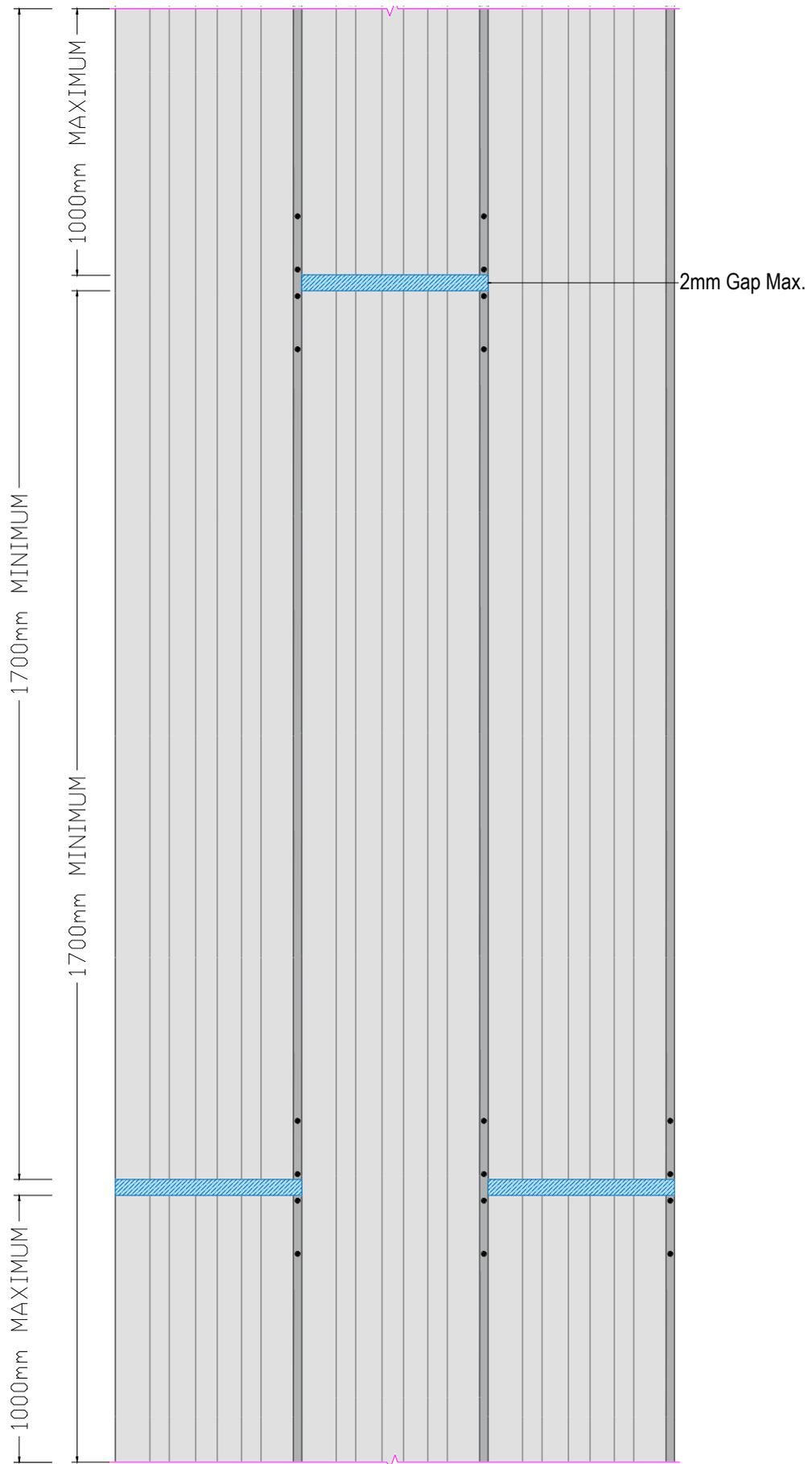
OPTION 2



All installations should be installed with direct reference to the relative fire assessment for this project.

# SEALING JOINTS

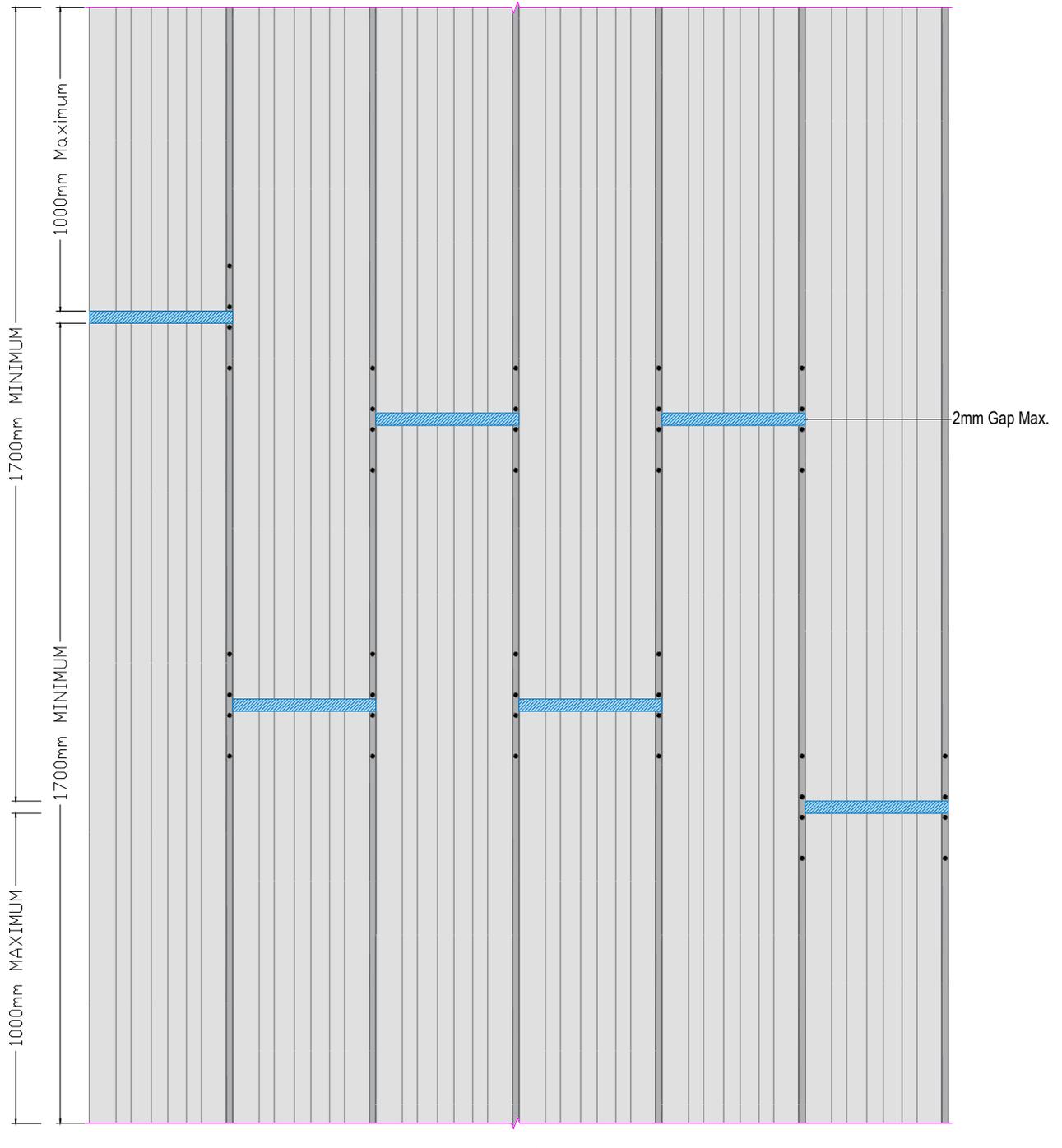
Sealing Joints | 72mm | -/120/120



All installations should be installed with direct reference to the relative fire assessment for this project.

# SEALING JOINTS

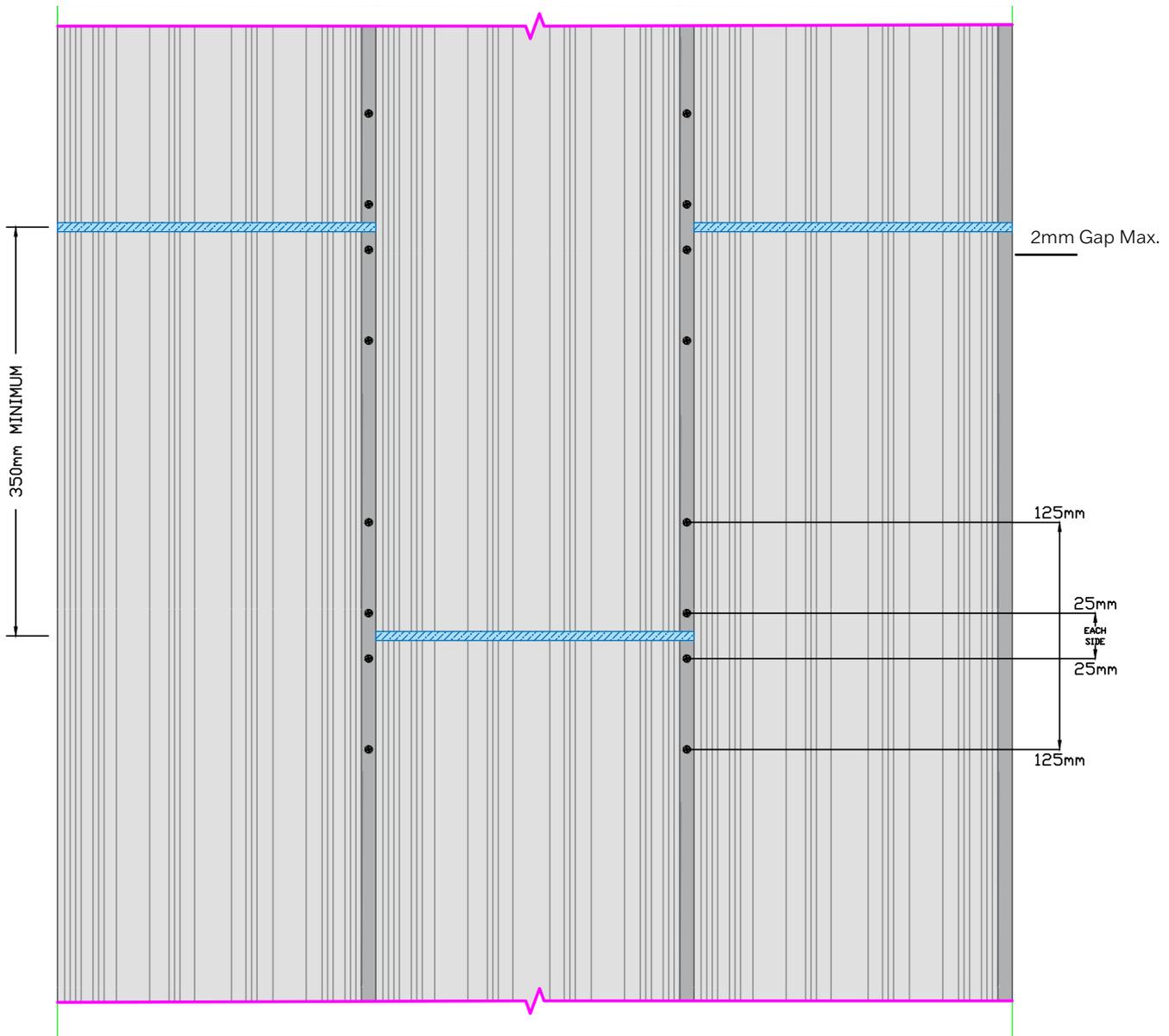
Sealing Joints | 72mm | -/120/120



All installations should be installed with direct reference to the relative fire assessment for this project.

# SEALING JOINTS

Sealing Joints | 72mm | -/120/120

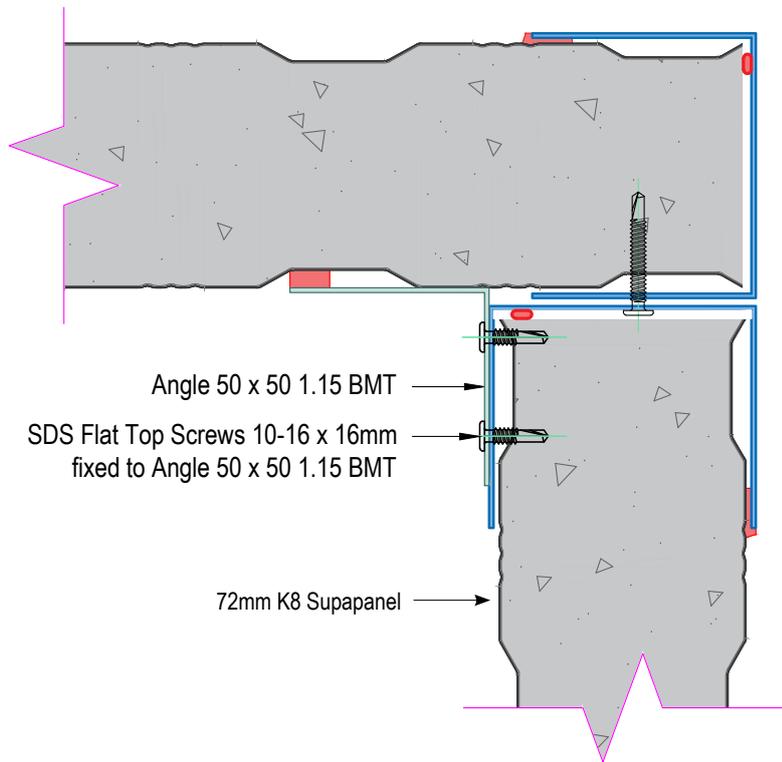


All installations should be installed with direct reference to the relative fire assessment for this project.

# FIRE RATED WALL SYSTEMS

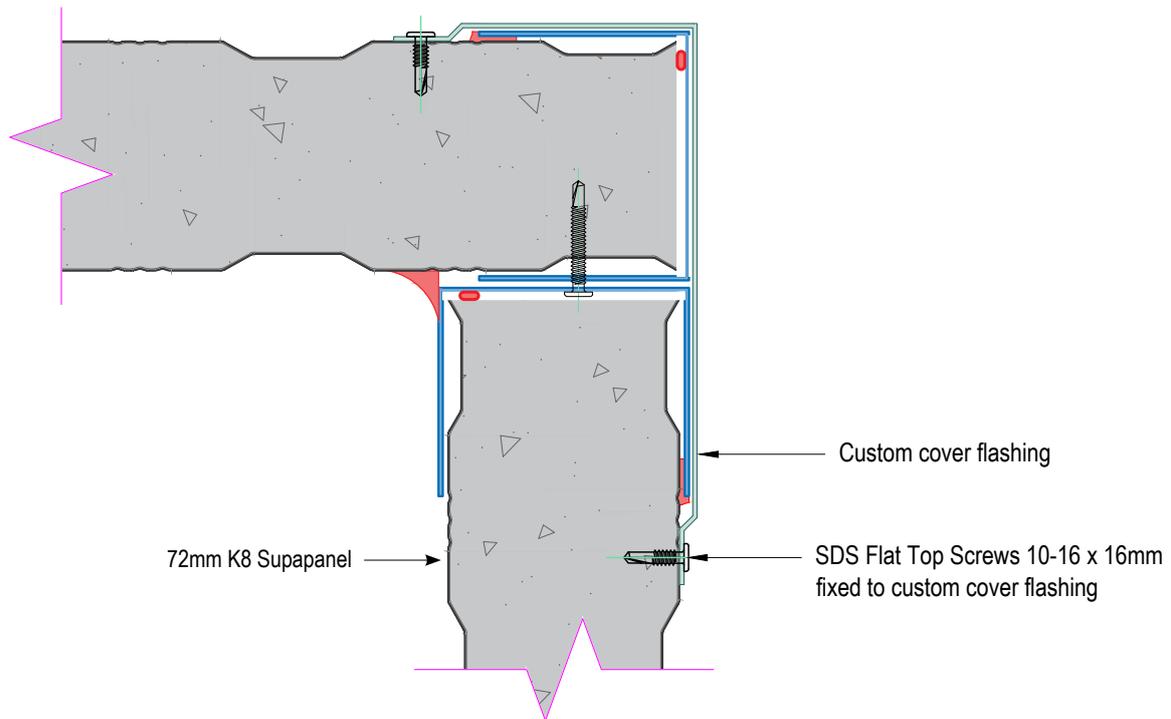
Fire Rated Wall System | Junction Detail | 72mm | -/120/120

Option 1



Fire Rated Wall System | Junction Detail | 72mm | -/120/120

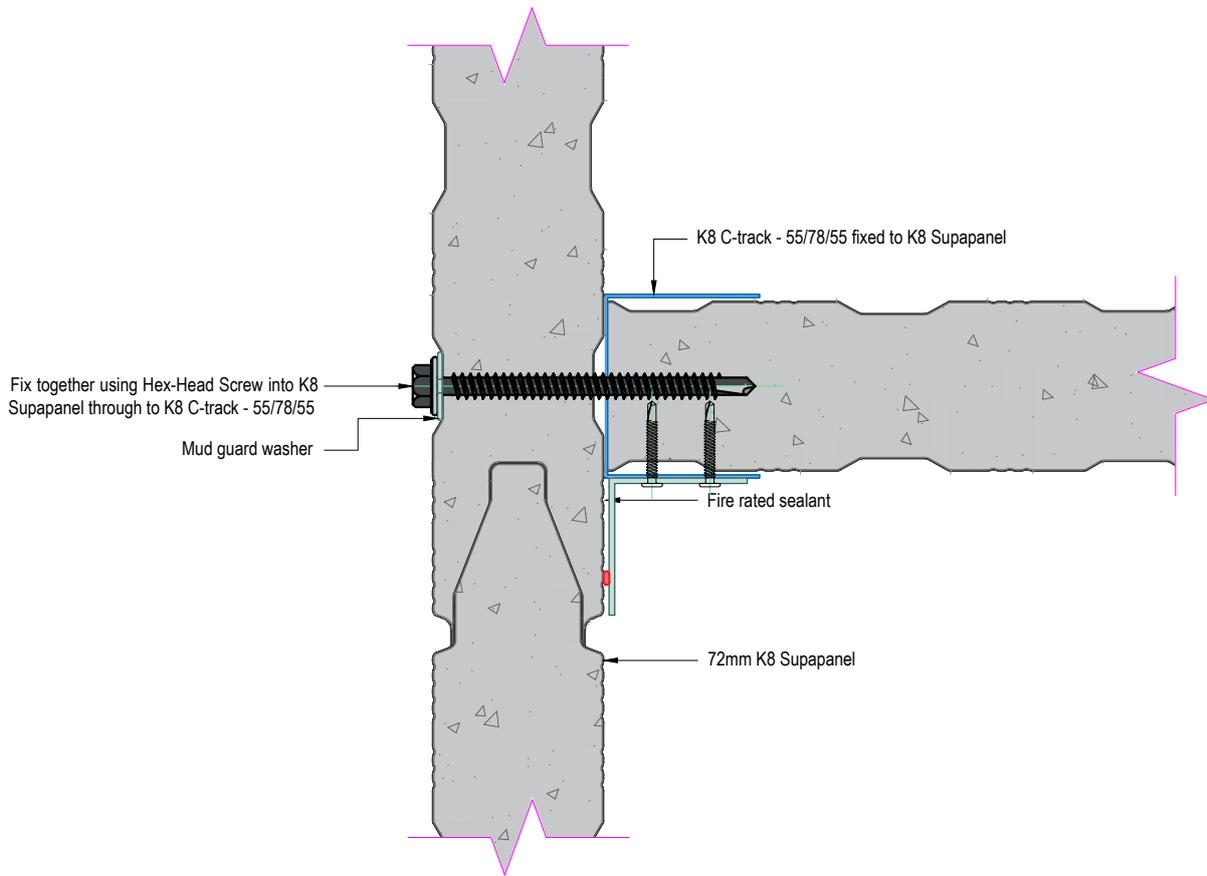
Option 2



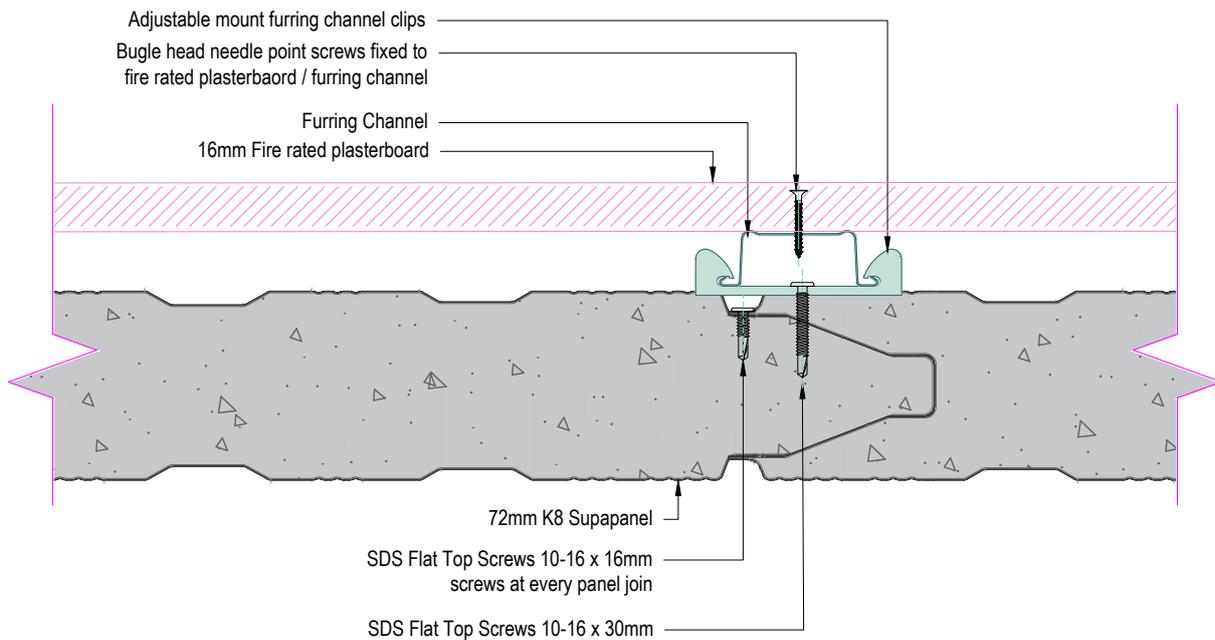
All installations should be installed with direct reference to the relative fire assessment for this project.

# FIRE RATED WALL SYSTEMS

## Fire Rated Wall System | T Junction Detail | 72mm | -/120/120



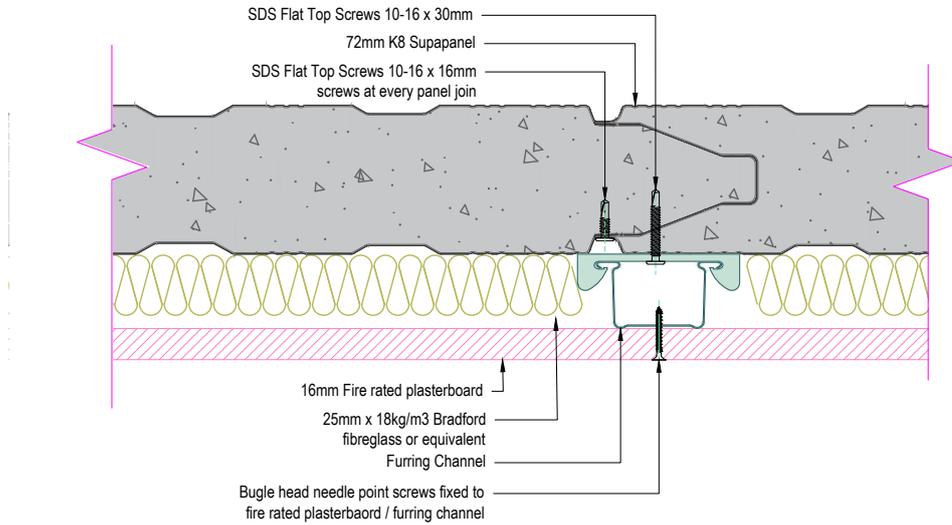
## Fire Rated Wall System | 72mm | -/10/120



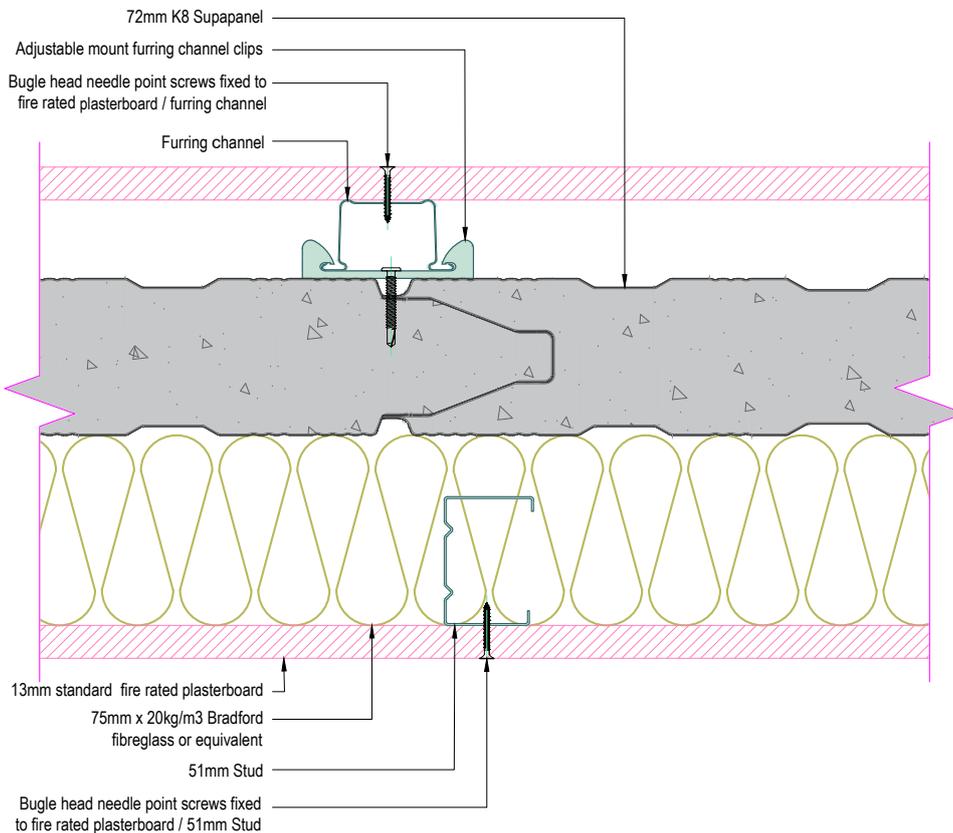
All installations should be installed with direct reference to the relative fire assessment for this project.

# FIRE RATED WALL SYSTEMS

Fire Rated Wall System | 72mm | -/120/120



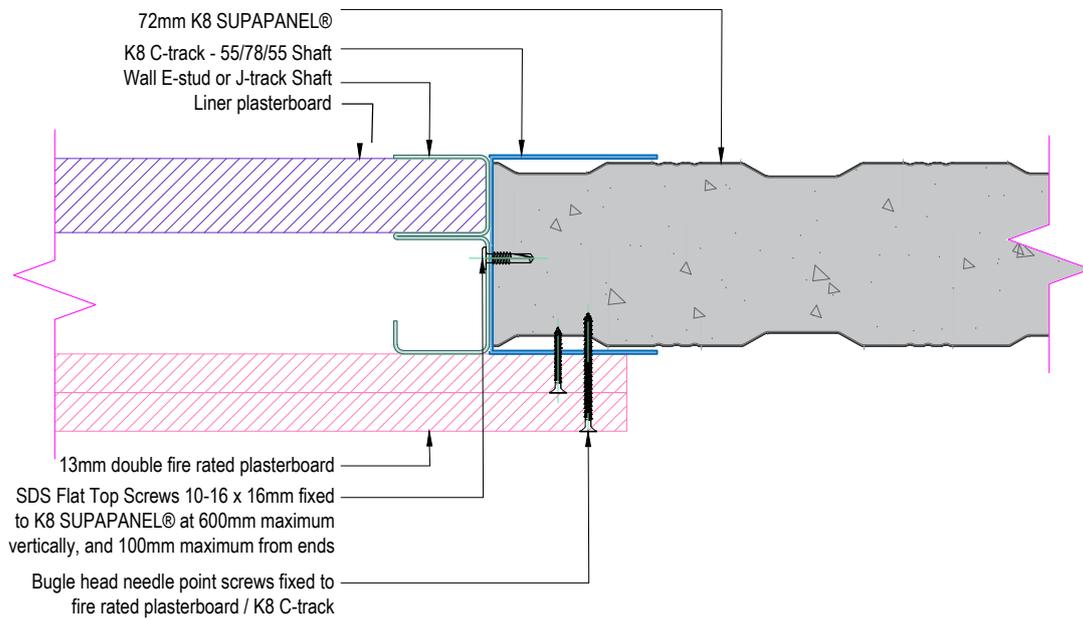
Fire Rated Wall System | 72mm | -/120/120



All installations should be installed with direct reference to the relative fire assessment for this project.

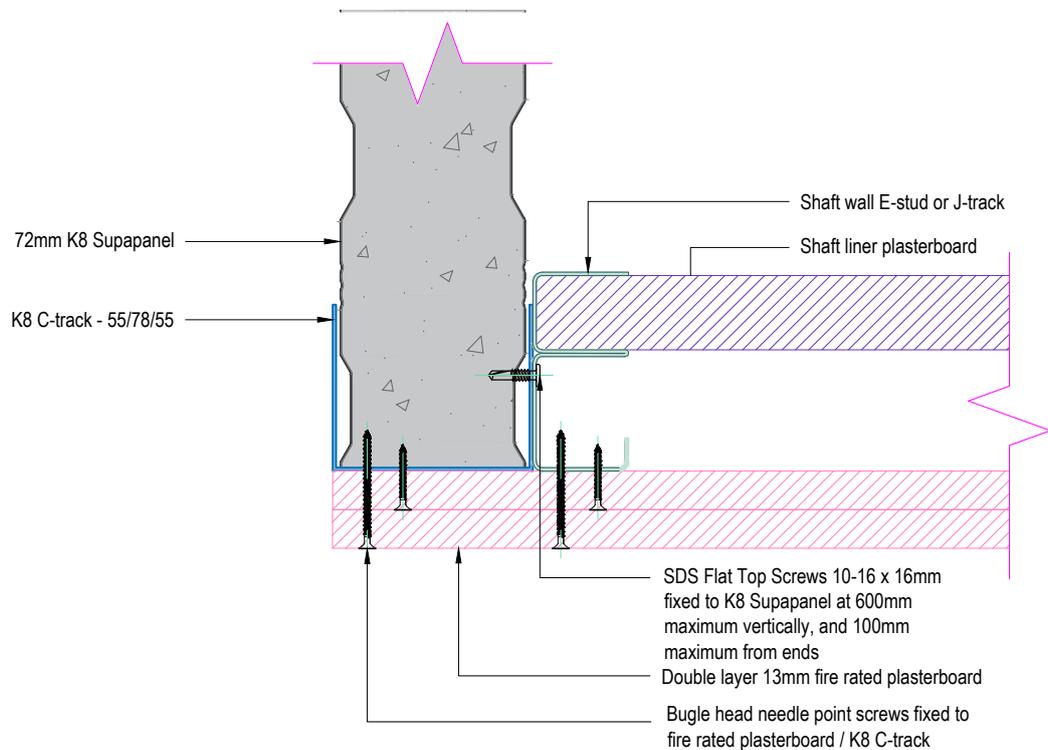
# PLASTER CONNECTIONS

Shaft System | 72mm | -/90/90 with Siniat plaster systems - FRL controlled by plaster system.



**Note: 62mm K8 SUPAPANEL® can be used**

Shaft System | 72mm | -/90/90 with Siniat plaster systems - FRL controlled by plaster system.

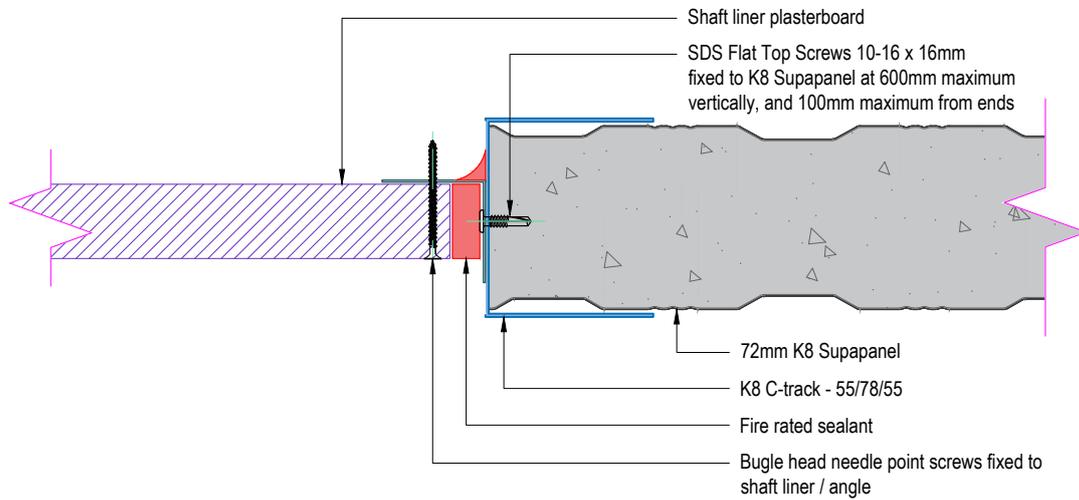


**Note: 62mm K8 SUPAPANEL® can be used**

All installations should be installed with direct reference to the relative fire assessment for this project.

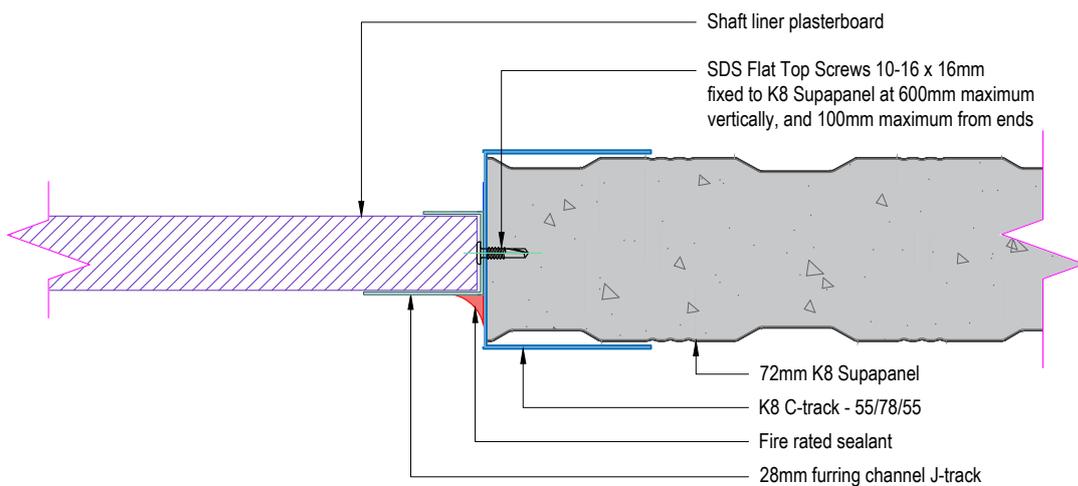
# PLASTER CONNECTIONS

Shaft System | 72mm | -/60/60 with Siniat plaster systems - FRL controlled by plaster system.



**Note: 62mm K8 SUPAPANEL® can be used**

Shaft System | 72mm | -/60/60 with Siniat plaster systems - FRL controlled by plaster system.

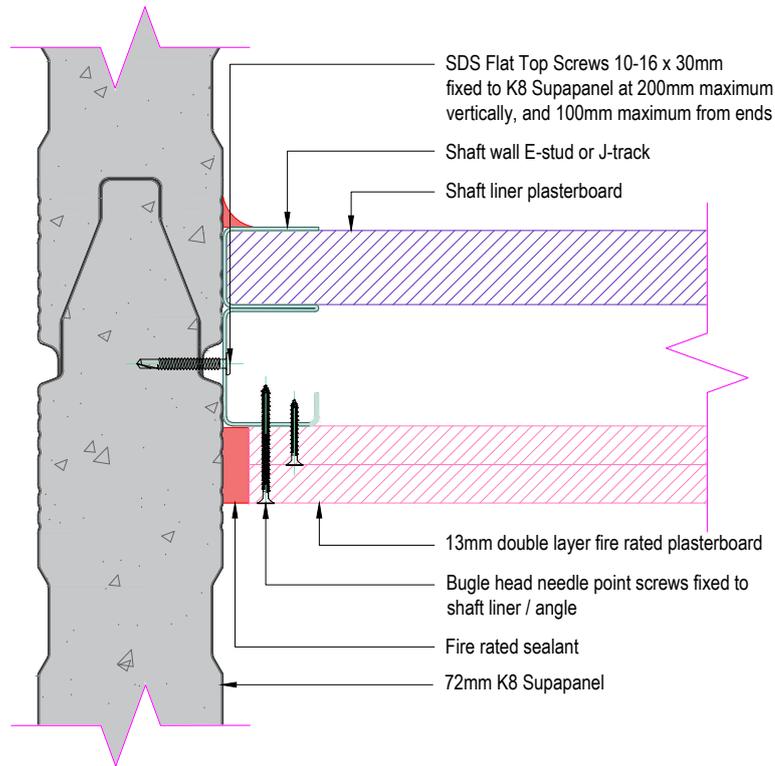


**Note: 62mm K8 SUPAPANEL® can be used**

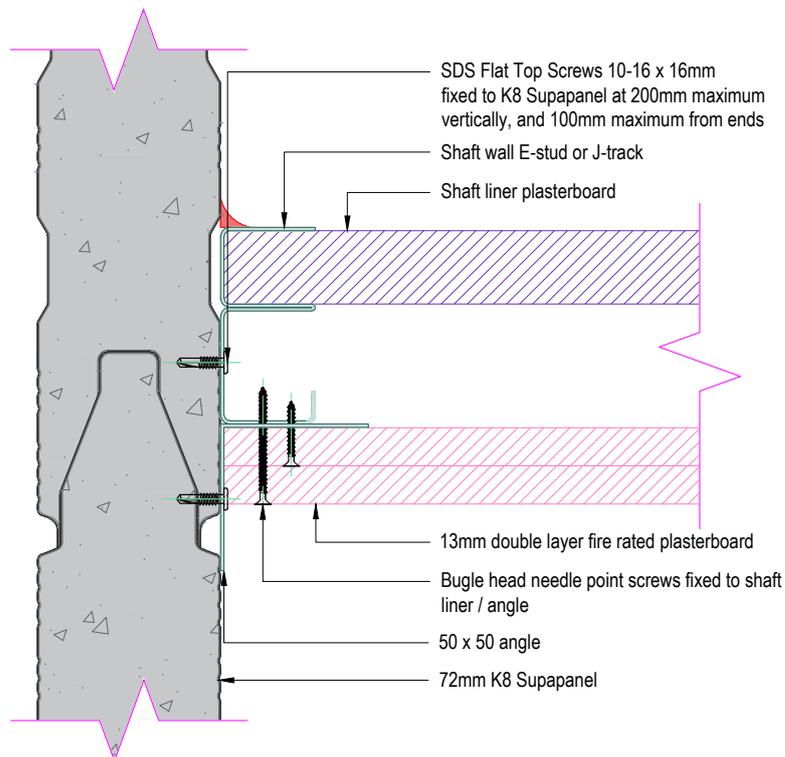
All installations should be installed with direct reference to the relative fire assessment for this project.

# PLASTER CONNECTIONS

Shaft System | 72mm | -/90/90 with Siniat plaster systems - FRL controlled by plaster system.



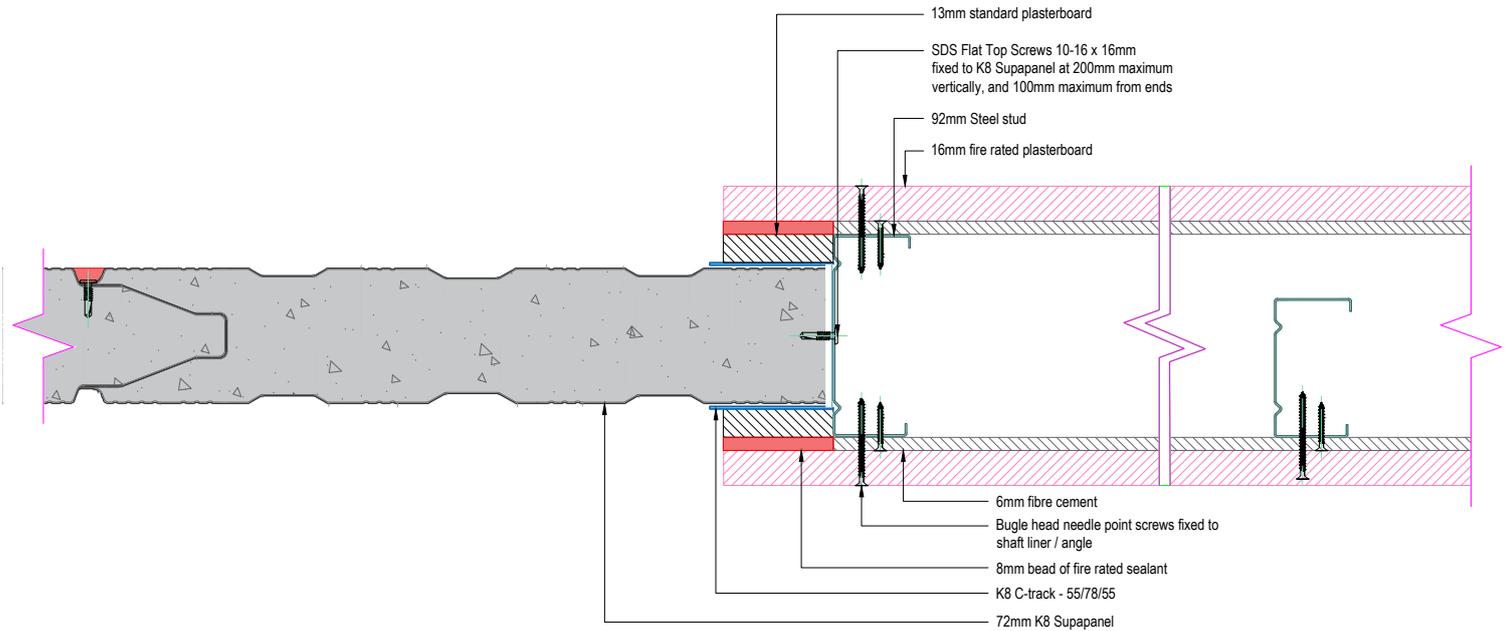
Shaft System | 72mm | -/90/90 with Siniat plaster systems - FRL controlled by plaster system.



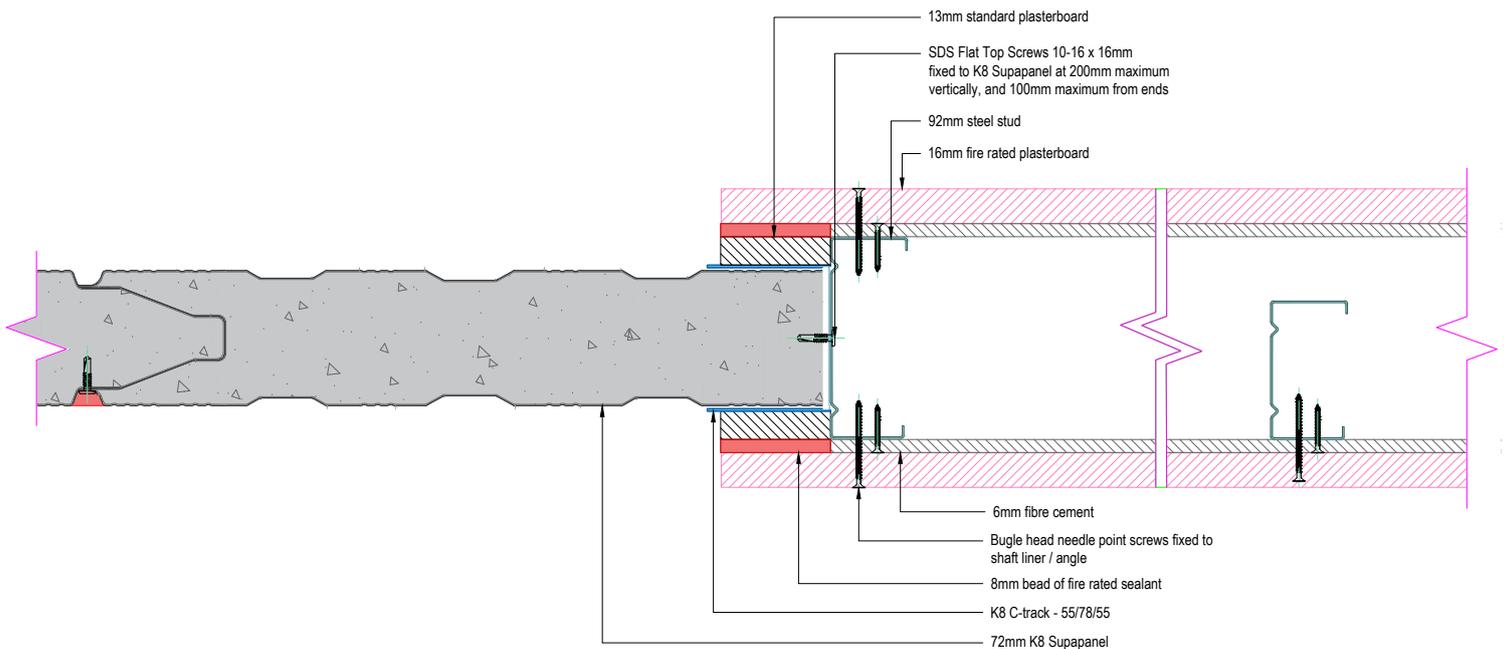
All installations should be installed with direct reference to the relative fire assessment for this project.

# PLASTER CONNECTIONS

Shaft System | 72mm | -/90/90 with Siniat plaster systems - FRL controlled by plaster system.



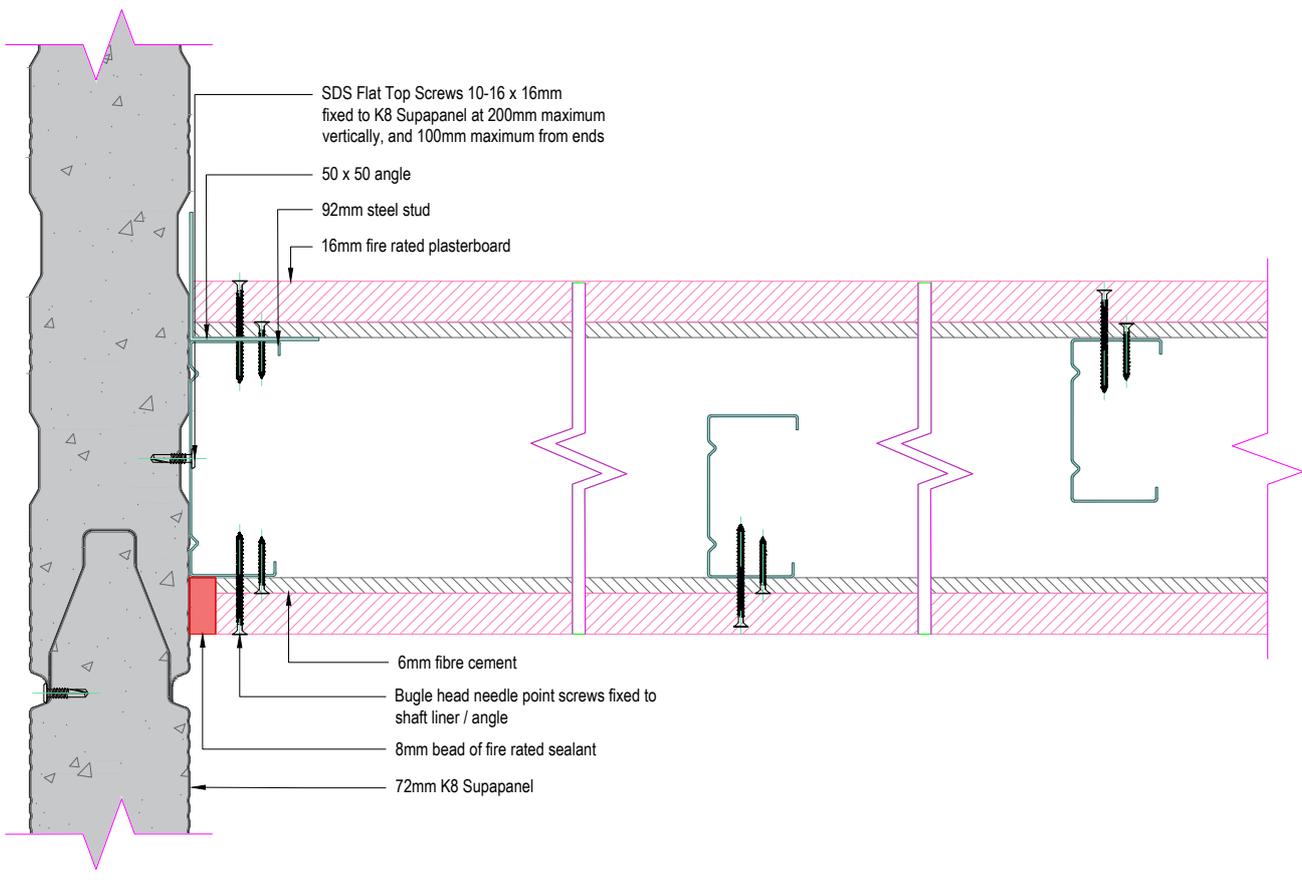
Shaft System | 72mm | -/90/90 with Siniat plaster systems - FRL controlled by plaster system.



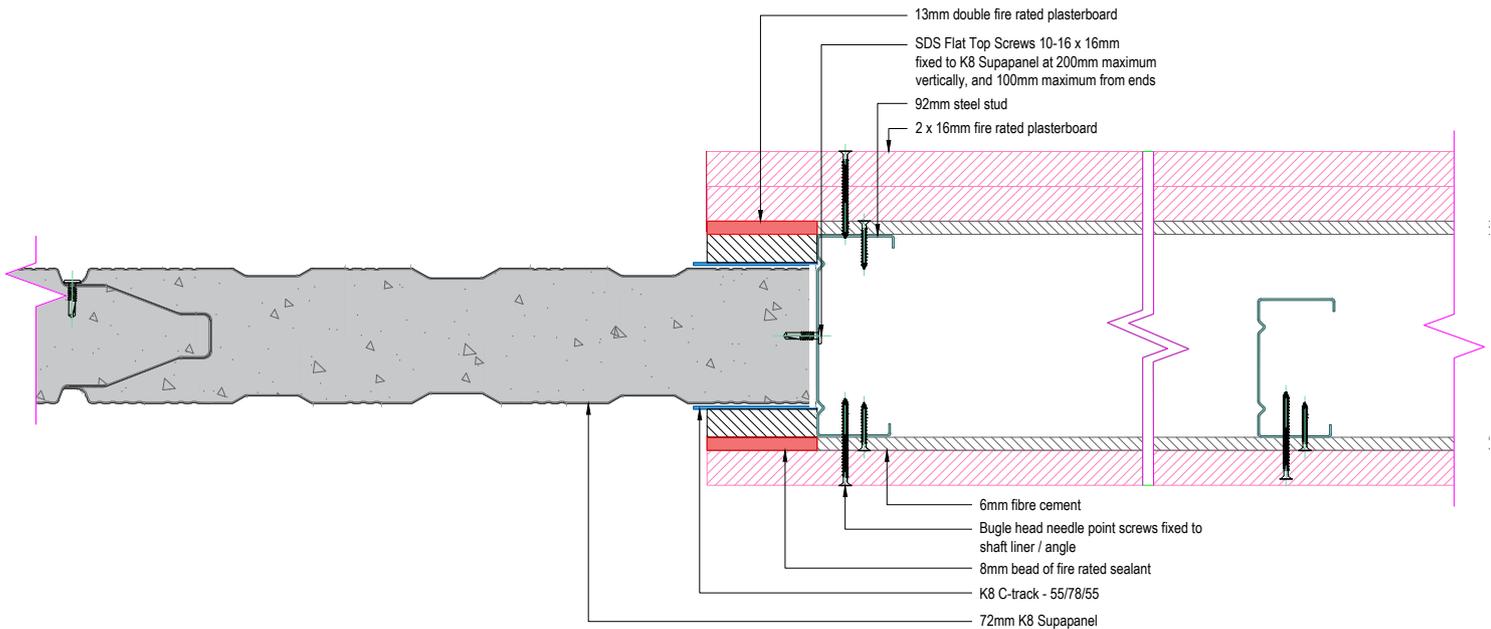
All installations should be installed with direct reference to the relative fire assessment for this project.

# PLASTER CONNECTIONS

Shaft System | 72mm | -/90/90 with Siniat plaster systems - FRL controlled by plaster system.

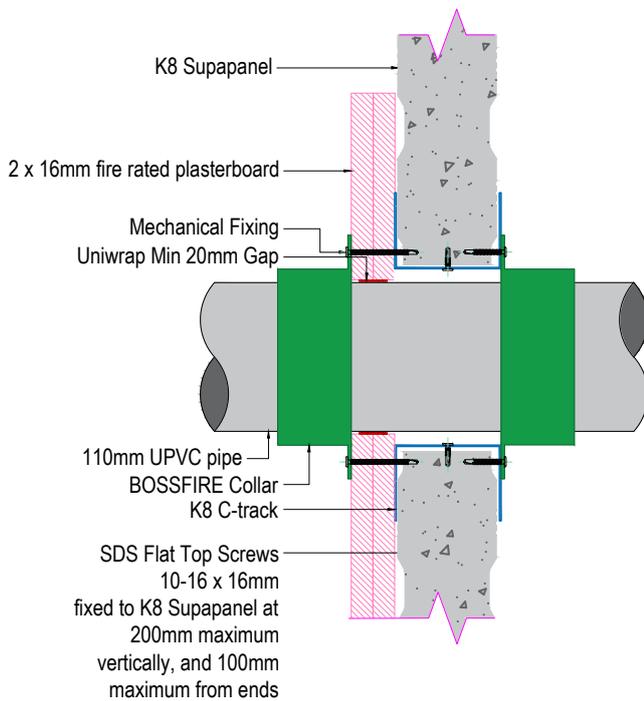


Shaft System | 72mm | -/120/120 - 2 hour Siniat plaster system

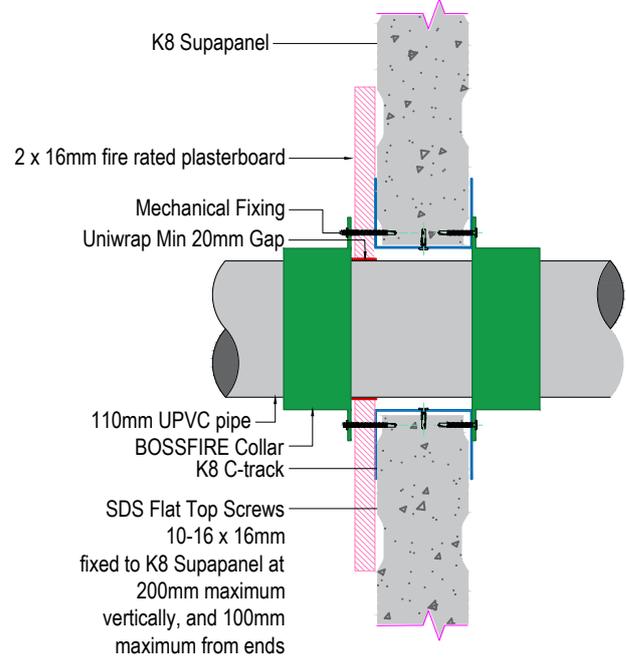


All installations should be installed with direct reference to the relative fire assessment for this project.

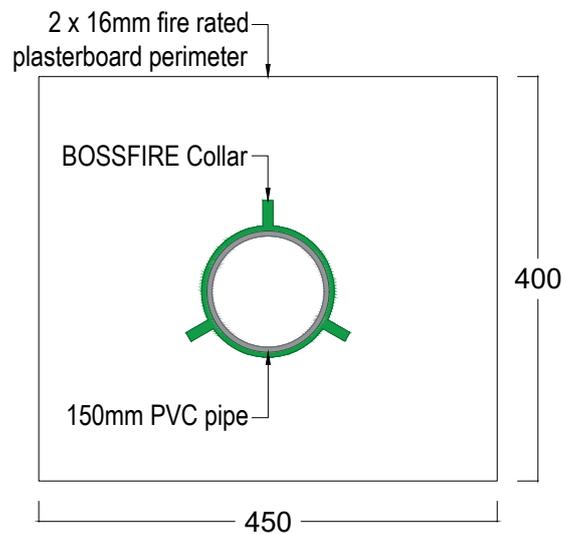
## 62mm SUPAPANEL®



## 72mm SUPAPANEL®



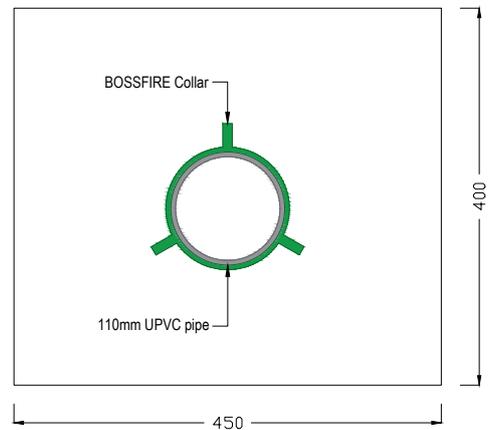
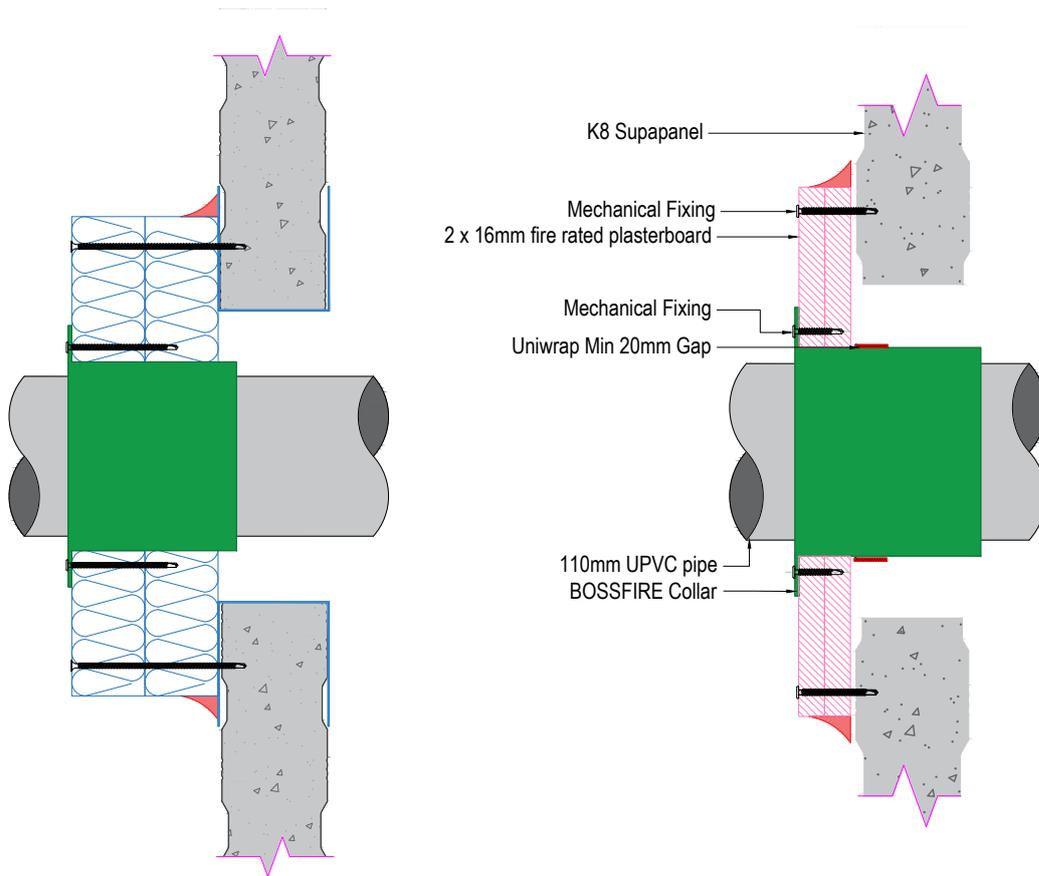
Note: Depending on approved brand for use, layers of 16mm Fire Shield may be required for fire rating requirement. Consult with the manufacturer.



## PENETRATIONS A

PRODUCT NAME	50mm up to 150mm UPVC
CORE HOLE DIAMETER	55mm
MIN. WALL THICKNESS	72mm (being K8 SUPAPANEL® or as per attached 16mm Fire rated Plasterboard 125mm wide on Lowest point.)
FIRE RESISTANCE LEVEL 62MM	-/120/90 Note: 2 x 16mm Fire rated Plasterboard
FIRE RESISTANCE LEVEL 72MM	-/120/120

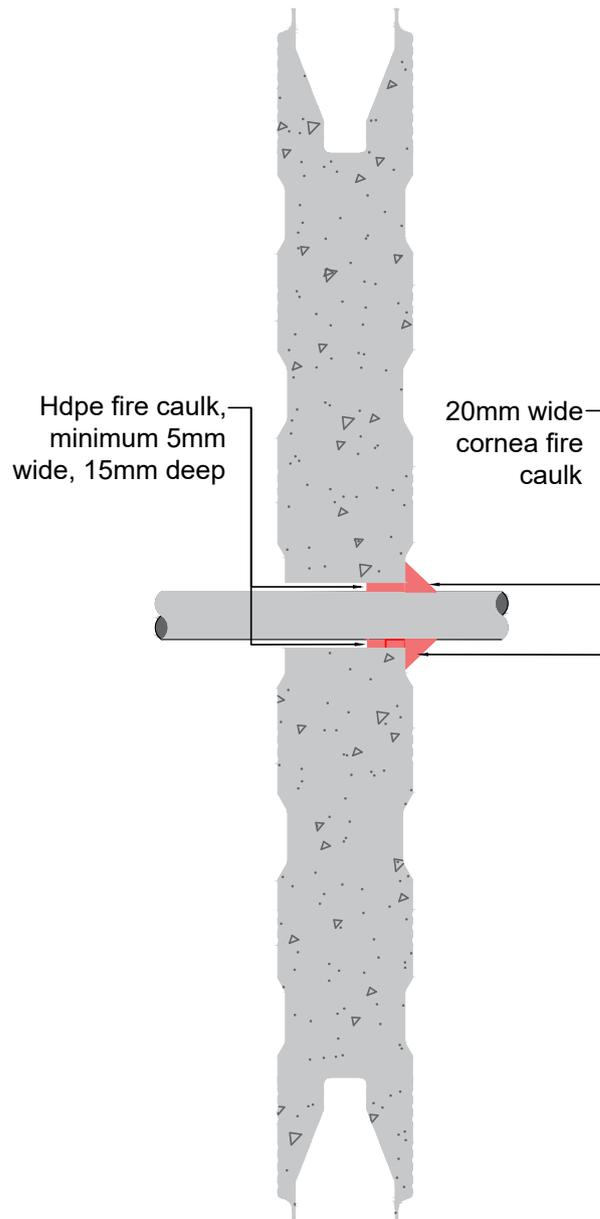
All installations should be installed with direct reference to the relative fire assessment for this project.



## PENETRATIONS B

PRODUCT NAME	110mm PVC Pipe
CORE HOLE DIAMETER	200mm
MIN. WALL THICKNESS	72mm (being K8 SUPAPANEL® or as per attached Boss Batt design being 100mm)
PENETRATION PROTECTION	The 110mm Boss in wall collar is to be installed into the Boss batts. The Boss batts are to be installed with mechanical fixings into the K8 SUPAPANEL® and have at least a 100mm overlap.
FIRE RESISTANCE LEVEL 62MM	-/120/90 Note: 2 x 16mm Fire rated Plasterboard
FIRE RESISTANCE LEVEL 72MM	-/120/120

All installations should be installed with direct reference to the relative fire assessment for this project.



## PENETRATIONS C

PRODUCT NAME	20mm PEX
CORE HOLE DIAMETER	30mm
MIN. WALL THICKNESS	72mm (being K8 SUPAPANEL®)
FIRE RESISTANCE LEVEL 62MM	-/120/90 Note: 2 x 16mm Fire rated Plasterboard
FIRE RESISTANCE LEVEL 72MM	-/120/120

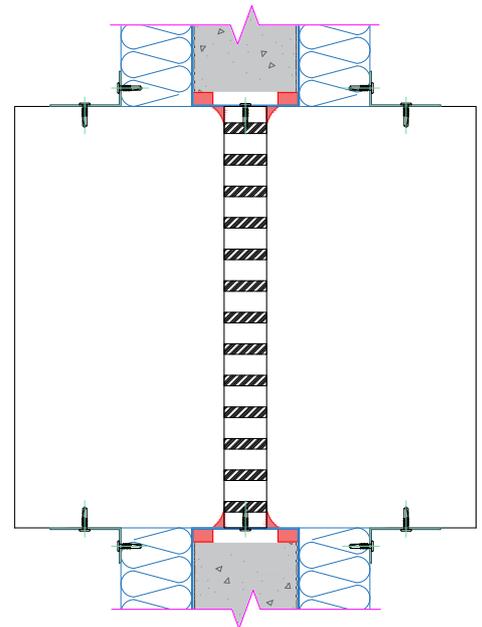
All installations should be installed with direct reference to the relative fire assessment for this project.

## APPLICATION

The product performance during the test as follows for the various penetrations. The National Construction Code details that the installation of elements that achieve a fire resistance level must be identical as the tested system with minor variations. The K8 SUPAPANEL® achieves an equivalent fire resistance level to that of the penetrations evaluated. The following penetrations are tested and can be applied to the penetrations detailed below.

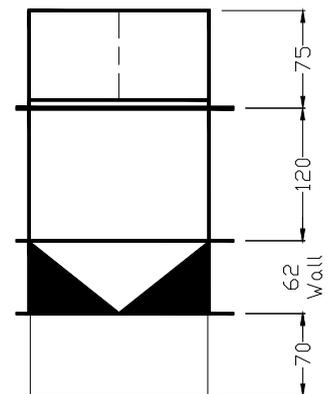
### PENETRATIONS A

PRODUCT NAME	Bullock Fire Damper
HOLE SIZE	Up to 1.2m x 1.2m
MIN. WALL THICKNESS	110mm
PENETRATION PROTECTION	The damper is to be installed within the opening of the wall. The opening within the K8 SUPAPANEL® is to be no more than 12mm than the size of the subject damper on each side. At least 2 layers of 13mm fire grade plasterboard is to be installed at least 600mm around the opening. The opening is to be capped with a steel C channel with a BMT of at least 1.15 which extends at least 30mm past the opening. The damper is to be mechanically fixed to the wall by uneven angle of at least BMT 1.15 and at least 25mm in width. Alternatively, the two layers of 13mm fire grade plasterboard can be replaced on a single side by 50mm Boss Batt extending at least 200mm around the opening.
FIRE RESISTANCE LEVEL	-/180/-



### PENETRATIONS B

PRODUCT NAME	Drop Lock Fire Damper
HOLE SIZE	Up to 150mm x 150mm
MIN. WALL THICKNESS	110mm
PENETRATION PROTECTION	The damper is to be installed within the opening of the wall. The opening within the K8 Supapanel is to be no more than 12mm than the size of the subject damper on each side. The opening is to be capped with a steel C channel with a BMT of at least 1.15 which extends at least 30mm past the opening. The damper is to be mechanically fixed to the wall by uneven angle of at least 1.15 BMT and at least 25mm in width.
FIRE RESISTANCE LEVEL	-/180/90

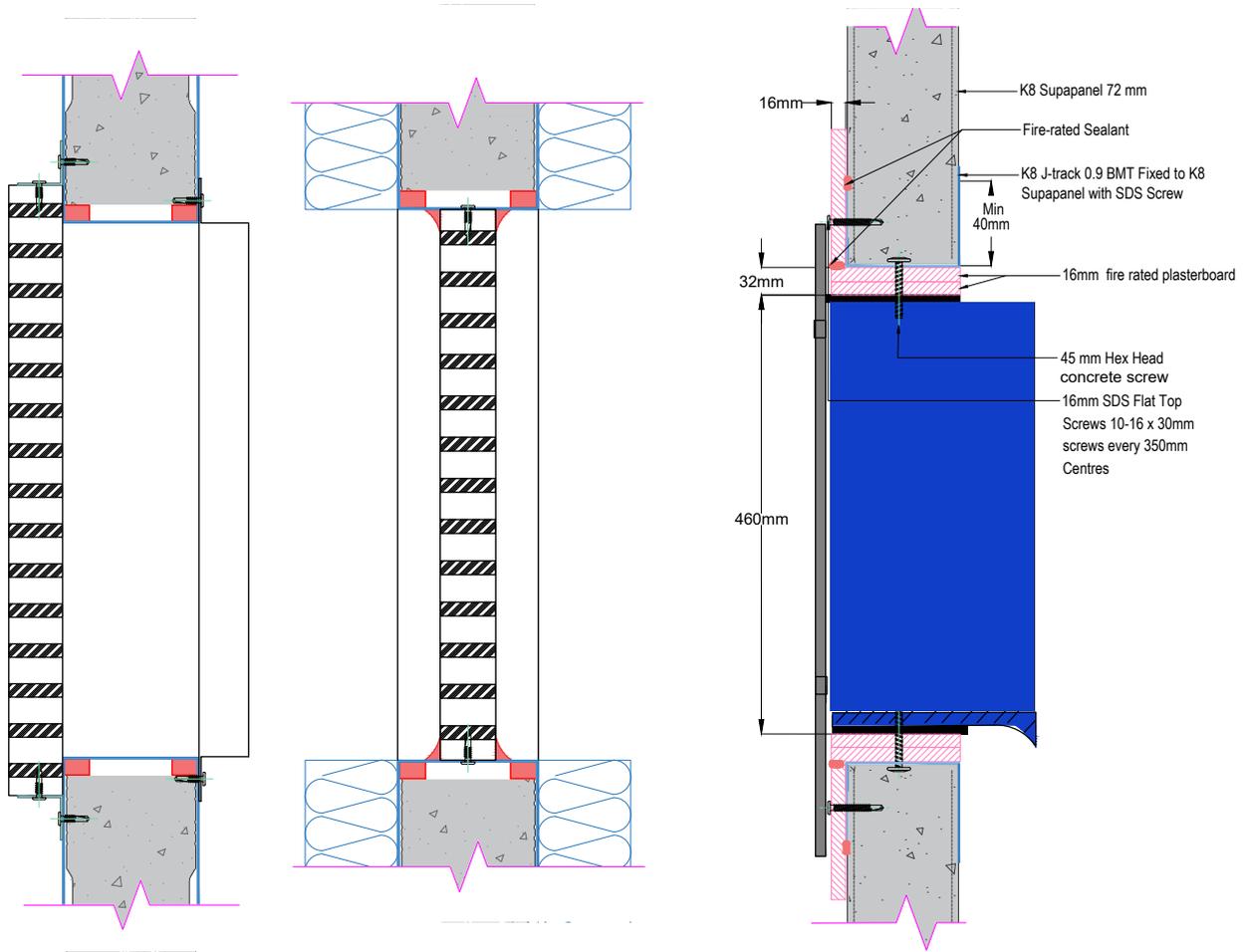


All installations should be installed with direct reference to the relative fire assessment for this project.

## APPLICATION

### PENETRATIONS C

PRODUCT NAME	Lorient Fire Damper LVH44
HOLE SIZE	Up to 300mm x 30mm for insert into penetration. Up to 1100mm x 50mm for fix to outside of penetration.
MIN. WALL THICKNESS	110mm
PENETRATION PROTECTION	The damper is to be installed within the opening of the wall. The opening within the K8 SUPAPANEL® is to be no more than the size of the subject damper on each side for the infill and 50mm less on all sides for the external fitted panel. The opening is to be capped with a steel C channel with a BMT of at least 1.15 which extends at least 30mm past the opening. The damper is to be mechanically fixed to the wall by uneven angle of at least 1.15 BMT and at least 25mm in width.
FIRE RESISTANCE LEVEL	Control by damper ratio opto -/129/30 confirm details and certification before attaching



All installations should be installed with direct reference to the relative fire assessment for this project.

# PENETRATION DETAILS



## A.3 3 x 2.5 mm Cable

<b>Service</b>	
Product Name	Boss FireMastic HPE or Boss FireMastic 300 fire grade mastic
Aperture Size	Close fit core hole up to 25 mm in diameter
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire 49599300.7 dated 22/02/2019
Installation	Complete infill around service with 25mm deep fire mastic controlled by foam backing rod. Sealant finished with a nominal 25 mm fillet on both sides of wall.
Fire Resistance Level	<b>-/120/120</b>

<b>Service</b>	
Product Name	Promat Promaseal fire grade mastic Promaseal Supawrap
Aperture Size	Close fit core hole
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire FAS200022 R2.1 dated 06.04.2020
Installation	Complete infill around service with 30mm deep fire mastic controlled by foam backing rod. Sealant finished with a nominal 25 mm fillet on both sides of wall. Promaseal SupaWrap 600 mm on each side.
Fire Resistance Level	<b>-/120/120</b>

## A.4 150 x 50 mm Cable tray

<b>Service A1</b>	
Product Name	Boss FireMastic-HPE fire grade mastic + Wrap
Aperture Size	Close fit core hole
Test Evidence	Tested system Warringtonfire FAS200332 R1.0 dated 04.12.2020
Installation	Complete infill around service with fire mastic. Install BOSS Thermal Defence Wrap in accordance with BOSS installation instruction.
Fire Resistance Level	<b>-/120/90</b>

## A.5 Power cable up to 3 x 3C+ E 20mm

<b>Service A1</b>	
Product Name	Boss FireMastic-HPE fire grade mastic
Aperture Size	Close fit core hole up to 125 mm in diameter
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire 49599300.7 dated 22/02/2019
Installation	Complete infill around service with 25mm deep fire mastic controlled by foam backing rod. Sealant finished with a nominal 25 mm fillet on both sides of wall.
Fire Resistance Level	<b>-/120/120</b>

<b>Service</b>	
Product Name	Promat Promaseal fire grade mastic Promaseal Supawrap
Aperture Size	Close fit core hole
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire FAS200022 R2.1 dated 06.04.2020
Installation	Complete infill around service with 30mm deep fire mastic controlled by foam backing rod. Sealant finished with a nominal 25 mm fillet on both sides of wall. Promaseal SupaWrap 600 mm on each side.
Fire Resistance Level	<b>-/120/120</b>

## A.6 20 mm PEX Pipe

<b>Service</b>	
Product Name	Boss FireMastic-HPE fire grade mastic
Aperture Size	Close fit core hole up to 60 mm in diameter
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire 49599300.7 dated 22/02/2019
Installation	Complete infill around service with 25mm deep fire mastic controlled by foam backing rod. Sealant finished with a nominal 25 mm fillet on both sides of wall.
Fire Resistance Level	<b>-/120/120</b>

# PENETRATION DETAILS



<b>Service</b>	
Product Name	PROMASTOP Unicollar CFC 32 Promaseal acrylic sealant
Aperture Size	Close fit core hole
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Bodycote Warringtonfire 2253502.1 dated 2008
Installation	Install fire collar as per Promat installation instructions on both sides of the wall. Install Promaseal acrylic sealant between the separating element within the Promastop Unicollar and pipe to a depth of 10 mm. Two layers of 13mm fire grade plasterboard is required on a single side of the Superpanel. See service F below.
Fire Resistance Level	<b>-/120/120</b>

## A.7 25 mm PEX Pipe

<b>Service</b>	
Product Name	Boss FireMastic-HPE fire grade mastic
Aperture Size	Close fit core hole up to 60 mm in diameter
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire RIR FRT 190033 R1.0 dated 27/02/2019
Installation	Complete infill around service with 26mm deep fire mastic controlled by foam backing rod. Sealant finished was flush with the wall on both sides of wall.
Fire Resistance Level	<b>-/120/120</b>

<b>Service</b>	
Product Name	PROMASTOP Unicollar CFC 32 Promaseal acrylic sealant
Aperture Size	Close fit core hole
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Bodycote Warringtonfire 2253502.1 dated 2008
Installation	Install fire collar as per Promat installation instructions on both sides of the wall. Install Promaseal acrylic sealant between the separating element within the Promastop Unicollar and pipe to a depth of 10 mm. Two layers of 13mm fire grade plasterboard is required on a single side of the Superpanel. See service F below.
Fire Resistance Level	<b>-/120/120</b>

## A.8 50-70 mm PEX-AL-PEX Pipe

<b>Service</b>	
Product Name	Promastop Unicollar plus Armaflex (25 mm thickness)
Aperture Size	Close fit core hole up to 60 mm in diameter
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system FSRG A-14-946 dated 26/02/2015
Installation	Install Promastop Unicollar as well as Armaflex with a thickness of 25 mm.
Fire Resistance Level	<b>-/120/30</b>

## A.9 150 mm uPVC Pipe – fire collar

<b>Service</b>	
Product Name	Promaseal FC collar FC150
Aperture Size	Close fit core hole
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire FAS190113 R7.0 dated 9.09.2021
Installation	Install fire collar as per Promat installation instructions on both sides of the wall. Two layers of 13mm fire grade plasterboard is required on a single side of the Superpanel. See service F below.
Fire Resistance Level	<b>-/120/120</b>

## A.10 100 mm uPVC Pipe

<b>Service</b>	
Product Name	BOSS 100 mm MaxiCollar
Aperture Size	Close fit core hole
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire RIR FRT 190033 R1.0 dated 27/02/2019
Installation	Install fire collar as per BOSS installation instructions on both sides of the wall. Two layers of 13mm fire grade plasterboard is required on a single side of the Superpanel. See service F below.
Fire Resistance Level	<b>-/120/120</b>

<b>Service</b>	
Product Name	Promaseal FC collar FC100
Aperture Size	Close fit core hole
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire FAS190113 R7.0 dated 9.09.2021

# PENETRATION DETAILS



Installation	Install fire collar as per Promat installation instructions on both sides of the wall. Two layers of 13mm fire grade plasterboard is required on a single side of the Superpanel. See service F below.
Fire Resistance Level	<b>-/120/120</b>

## A.11 110 mm HDPE pipe

<b>Service</b>	
Product Name	Boss FireMastic-HPE fire grade mastic or Boss 300 Mastic
Aperture Size	Close fit core hole up to 125 mm in diameter
Test Evidence	Tested system Warringtonfire 49599300.7 dated 22/02/2019
Installation	Complete infill around service with 25mm deep fire mastic controlled by foam backing rod. Sealant finished with a nominal 25 mm fillet on both sides of wall.
Fire Resistance Level	<b>-/120/120</b>
<b>Service</b>	
Product Name	Promaseal FC collar FC100
Aperture Size	Close fit core hole
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire FAS190113 R7.0 dated 9.09.2021
Installation	Install fire collar as per Promat installation instructions on both sides of the wall. Two layers of 13mm fire grade plasterboard is required on a single side of the Superpanel. See service F below.
Fire Resistance Level	<b>-/120/120</b>

## A.12 Up to 25 mm NBN Conduit

<b>Service</b>	NBN Conduit
Product Name	Boss FireMastic HPE or Boss FireMastic 300 fire grade mastic
Aperture Size	Close fit core hole up to 25 mm in diameter
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire 49599300.7 dated 22/02/2019
Installation	Complete infill around service fire mastic. Sealant finished with a nominal 20 mm fillet on both sides of wall.
Fire Resistance Level	<b>-/120/120</b>

## A.13 Wastech garbage door

<b>Service</b>	Garbage self-closing hopper door
Product Name	Wastech Chute Doors
Aperture Size	Close fit core hole 1200 mm x 1200 mm
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire FRT200126 R1.0 dated 03 July 2020

Installation	Opening to be supported by Steel L angles and C channels around perimeter screw fixed to the wall. Door is to be fixed to opening as per manufactures installation instructions.
Fire Resistance Level	<b>-/120/45</b>

#### A.14 Fyreguard access panel

<b>Service</b>	Wall access panel
Product Name	Fyreguard Access Panel
Aperture Size	Close fit core hole up to 1200 mm x 600 mm
Test Evidence	Tested system <a href="#">Clause C3.15(a)(iii)</a> Openings for service installations – tested system BRANZ FC10241-001 Issue 2 dated 27 July 2020
Installation	Opening to be supported by Steel L angles and C channels around perimeter screw fixed to the wall. Access door is to be fixed to opening as per manufactures installation instructions.
Fire Resistance Level	<b>-/120/120</b>

#### A.15 HiFire 1B Damper

<b>Service</b>	High Fire Heating
Product Name	Ruskin IBS Fire Damper
Aperture Size	Close fit core hole 1200 mm x 1200 mm
Test Evidence	Tested system <a href="#">Clause C3.15(a)(iii)</a> Openings for service installations – tested system Warringtonfire FRT190122 R1.0 dated 24 June 2019
Installation	Two sets of 1200 mm high x 15 mm wide x 15 mm high x 1.15 mm thick galvanised steel L angle installed at nominal 80 mm apart from each other.
Fire Resistance Level	<b>-/120/-</b>
	Where the damper is attached to the wall directly, if there are no combustible elements within 100 mm from the edge of the channel perimeter for a distance of 2 m, the installed system will maintain the fire resistance level as listed. No insulation criteria is required where <a href="#">BCA Clause C3.15(a)(ii)</a> is satisfied.

#### A.16 Up to 50 mm Gal Pipe

<b>Service</b>	Up to 50 mm Gal Pipe
Product Name	Boss FM300
Aperture Size	Close fit core hole
Test Evidence	Tested system <a href="#">Clause C3.15(a)(iii)</a> Openings for service installations – tested system Warringtonfire 49599300.7 dated 22/02/2019
Installation	Complete infill around service fire mastic. Sealant finished with a nominal 20 mm fillet on both sides of wall. <a href="#">If there are no combustible elements within 100 mm from the edge of the penetration for a distance of 2 m, the installed system does not require the insulation criteria to be satisfied. i.e. a thermal wrap is not required.</a>

	No insulation criteria is required where BCA Clause C3.15(a)(ii) is satisfied.
Fire Resistance Level	<b>-/120/120</b>

## A.17 32 mm and up to 50 mm and 80 mm Copper Pipe

Service	32 mm and up to 50 mm and 80 mm Copper Pipe
Product Name	Boss FM300 and Boss Thermal defence wrap
Aperture Size	Close fit core hole
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire FAS190346 R1.5 dated 04.08.2021
Installation	Complete infill around service fire mastic. Sealant finished with a nominal 20 mm fillet on both sides of wall. The installation advice from BOSS is for the wall itself is to be 116 mm to achieve the required FRL of -/120/120. This is based on typical light weight and masonry wall system. The K8 Supapanel itself maintains an FRL of at least -/120/120. Therefore, based on the tested system the thickness of the wall, being reduced to the size of the K8 Supapanel, the ability to maintain an FRL of -/120/120 is maintained. If there are no combustible elements within 100 mm from the edge of the penetration for a distance of 2 m, the installed system does not require the insulation criteria to be satisfied. i.e. a thermal wrap is not required. No insulation criteria is required where BCA Clause C3.15(a)(ii) is satisfied.
Fire Resistance Level	<b>-/120/120</b>

## A.18 32 mm to 150 mm Copper Pipe

Service	32 mm to 150 mm Copper Pipe
Product Name	Promaseal A acrylic sealant For 32 mm to 100 mm Promashield For 100 mm 150 mm Promaseal SupaWrap 600 mm each side
Aperture Size	Close fit core hole
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system Warringtonfire FAS200022 R2.1 dated 06.04.2020
Installation	Complete infill around service fire mastic. Sealant finished with a nominal 20 mm fillet on both sides of wall. If there are no combustible elements within 100 mm from the edge of the penetration for a distance of 2 m, the installed system does not require the insulation criteria to be satisfied. i.e. a thermal wrap is not required. No insulation criteria is required where BCA Clause C3.15(a)(ii) is satisfied.
Fire Resistance Level	<b>-/120/120</b>

# PENETRATION DETAILS



## A.19 Between 25 and 40 Copper Pipe

Service	Between 25 and 40 mm Copper Pipe
Product Name	Promaseal A and Armaflex (25 mm thick)
Aperture Size	Close fit core hole plus Armaflex diameter
Test Evidence	Tested system Clause C3.15(a)(iii) Openings for service installations – tested system FSRG A-14-946 dated 26/02/2015
Installation	Complete infill around service fire mastic. FR Armaflex 400mm long either side of the penetration and through the wall. If there are no combustibile elements within 100 mm from the edge of the penetration for a distance of 2 m, the installed system does not require the insulation criteria to be satisfied. i.e. a thermal wrap is note required. No insulation criteria is required where BCA Clause C3.15(a)(ii) is satisfied.
Fire Resistance Level	-/120/120

## RECOMMENDED COMPONENTS

Components below show specific branded tools and accessories ie: Makita circular saw, however please note that this is a guide only. Where possible we have recommended brands to be used with the K8 SUPAPANEL® Systems.

 <p><b>RECIPROCATING SAW</b></p> <p>Used for cutting and trimming panels leaving a rough edge.</p>	 <p><b>CIRCULAR SAW</b></p> <p>Used for cutting panels and track leaving a smooth edge. A dust vacuum attachment is recommended.</p>	 <p><b>FIRE CAULK (SEALANT)</b></p> <p>We recommend using Boss, Siniat or HP Fuller brands.</p>	 <p><b>BOSS UNIWRAP</b></p> <p>Seals service penetration apertures containing plastic and metallic pipes with insulation.</p>
 <p><b>16mm 8-10 GAUGE METAL FIXING</b></p> <p>Panel screws</p>	 <p><b>30mm 8-10 GAUGE METAL FIXING</b></p> <p>Panel screws</p>	 <p><b>BUGLE HEAD NEEDLE POINT SCREWS</b></p> <p>To be used to fix plasterboard to panels. Length will depend on plasterboard application.</p>	 <p><b>STANDARD OR FIRE RATED PLASTERBOARD</b></p> <p>To be used in conjunction with K8 SUPAPANEL® when necessary depending on application.</p>

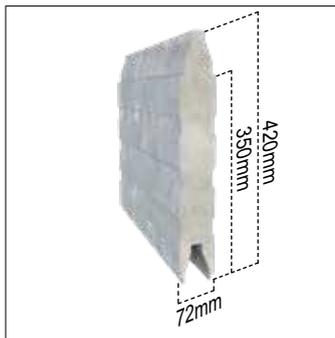
All installations should be installed with direct reference to the relative fire assessment for this project.

Note:

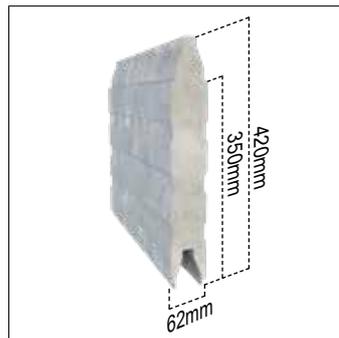
K8 Supapanel wall system is required to be fixed to a structural component, such as masonry wall, structural steel and concrete slab/wall.

The components above show which recommended fasteners and sealants should be used with K8 Supapanel and Tracks.

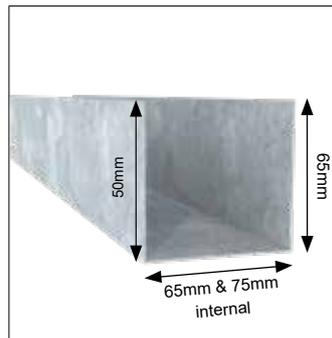
The fixing locations and spacing of the fasteners for a K8 Supapanel wall installation are shown on [page 7](#).



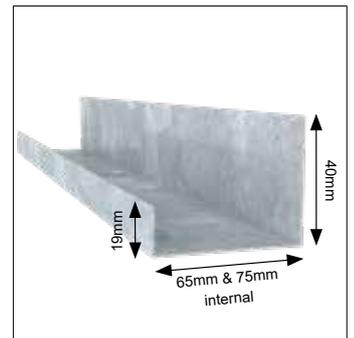
**K8 SUPAPANEL®  
0.35-0.40BMT 425KG**



**K8 SUPAPANEL®  
0.35-0.40BMT 425KG**



**C-track  
K8 SUPAPANEL® Track  
1.15BMT**



**J-track  
K8 SUPAPANEL® Track  
1.15BMT**



**5mm - 45mm hex head  
concrete screws or  
equivalent**



**25mm self-tapping pan head  
screw 5mm x 16mm self-  
tapping flathead screws**



**Boss Fire Mastic-300 or  
Siniat Equivalent**

All installations should be installed with direct reference to the relative fire assessment for this project.

## Care, Skill and Attention Required

The performance criteria, ratings, and specifications for various K8 SUPAPANEL® systems have been developed and certified by independent testing bodies. Any products, components or fixings that are not specifically sold by us must be certified for use within the K8 SUPAPANEL® systems by an independent testing body prior to their use within a K8 SUPAPANEL® system or otherwise approved by K8 Australia or any authorised distributor.

Use of products or certified by independent testing bodies or approved by K8 Australia may void any warranties on K8 SUPAPANEL® systems. We disclaim all liability for any loss and damage suffered by you from your side of products, components, or fixings within K8 SUPAPANEL® systems that are not K8 SUPAPANEL® products or certified by independent testing bodies or approved by K8 Australia or any authorised distributor. It is critical that you carefully consider the details in your design, construction and workmanship and carry these out with the same due care, skill and diligence. Failure to do so could result in the performance of the K8 SUPAPANEL® systems being significantly compromised and/or may result in failure of K8 SUPAPANEL® systems in your proposed design and/or construction project.

## Liability

To the extent permissible by law and without limiting any other right we may have, K8 Australia or any authorised distributor accept no liability for any loss or damage arising if any K8 SUPAPANEL® systems are not designed and constructed strictly in accordance with the instructions contained in this brochure and/or the supplementary material or as otherwise instructed by K8 Australia or an authorised distributor.

## Disclaimer

This brochure and the supplementary material are provided to you as a general guide only and should not be relied upon by you without additional advice from a suitably qualified person(s). We do not and will not, under any circumstances, warrant, guarantee or represent, and we disclaim any responsibility or liability for the accuracy, completeness or efficiency of the information contained in this brochure.

## PUBLICATION, VERSION & RELEVANCE

Every effort is taken to ensure any updated certification documents and testing data is uploaded onto our website immediately. When enquiring about using K8 SUPAPANEL® for your next project, ensure K8 SUPAPANEL® is compliant for your needs.

All information contained within this brochure and any reports, installation guides, specifications, and/or other supplementary documents and information referred to in this marketing collateral ("Supplementary material") have been prepared by or on behalf of K8 Australia Pty Ltd ("us", "we" or "our") to assist the user of this brochure ("you or "your") to design and construct K8 SUPAPANEL® systems only in general applications. (None of these included specifications or designs are project or site-specific).

Before designing and/or installing K8 SUPAPANEL® you must engage or seek advice from a suitably qualified person (such as an architect, engineer and/or another design consultant) to, amongst other things:

Review all relevant content in this brochure, the supplementary material and all other product information, installation guides and data available from us upon request;  
Assess whether or not K8 SUPAPANEL® systems are appropriate and suitable for your proposed design and/or construction project;  
If appropriate & suitable, prepare project specific information and documentation to the design and construction of K8 SUPAPANEL® systems for your proposed project.

Ensure that K8 SUPAPANEL® products separately and collectively, when used in a K8 SUPAPANEL® system, meet the requirements of the building laws, rules, regulations, codes, standards, orders or declarations applicable in the location in which K8 SUPAPANEL® systems are to be constructed.



## CONTACT

59-71 MERRINDALE DRIVE,  
CROYDON SOUTH, VICTORIA 3136

David: 0424 207 281  
david@k8australia.com.au

[www.k8australia.com.au](http://www.k8australia.com.au)

