

# SuperSTOPPER® Slab-Mount

The SuperSTOPPER® Slab-Mount is a proudly Australian made passive fire penetration system used for multiple and mixed service penetrations which has been designed and tested to be built into residential/commercial apartment walls and riser shafts reducing the space required for service penetrations, providing predictable site costs and a reliable method of fire stopping.



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## KEY FEATURES

- Allows firestopping to be installed before the walls are constructed
- One penetration for multiple and mixed services to pass through in any quantity or configuration
- No minimum fill ratios required
- Space saving, eliminates the need for 200mm separation between adjacent services
- Tested for residential and commercial wall types
- Acoustic performance Rw50
- Thoroughly fire tested to AS1530.4-2014 at independent laboratories

## APPLICATIONS

Electricians	<ul style="list-style-type: none"> <li>• Power</li> <li>• Aluminium Core Cables</li> <li>• Data cables</li> <li>• Conduits</li> </ul>
Plumbers	<ul style="list-style-type: none"> <li>• PEX pipes</li> <li>• PEX-AL-PEX pipes</li> <li>• Metal pipes</li> </ul>
HVAC&R	<ul style="list-style-type: none"> <li>• Insulated pipes</li> <li>• Pair coils</li> </ul>
Active Fire	<ul style="list-style-type: none"> <li>• Sprinkler pipes</li> <li>• Fire cables</li> </ul>

## TRADES



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## Why SuperSTOPPER®?

After various high profile fires that have occurred around the world and in Australia, passive fire defects in both high-rise residential and commercial buildings have been increasing at an unsustainable rate, due to much higher levels of scrutiny from certification and inspection bodies. Service penetrations through fire rated barriers, particularly where large quantities of different service types are located in ever shrinking ceiling spaces, contribute to a huge proportion of defects in walls that separate Sole Occupancy Units (SOU) and corridors, and any fire rated riser shaft wall that is used to feed services onto each floor.

The National Construction Code (NCC) does not have clear guidance on how far apart each service penetration should be when using a tested system, leading to dangerous installations where walls are butchered and patched as shown on the right hand side image. The NCC clause C3.15 allows for the use of fire tested systems using the AS1530.4 test methods, which require 200mm of separation between each service penetration during a test. Therefore, many certifying bodies and building surveyors request that service penetrations should all be 200mm apart to ensure that the FRL of the wall is not compromised. In many modern buildings, this is simply not practical...

The innovative Trafalgar SuperSTOPPER® Slab Mount system (lower right) addresses these issues but providing a single penetration that is tested to handle all common apartment, residential and commercial services through one simple penetration system. Furthermore, the two-piece design allows for the SuperSTOPPER® to be mounted prior to the walls being erected which means service trades can work faster, and the building can be completed quicker!



## BENEFITS

- NCC 2022 Ready
- Thoroughly fire tested to AS1530.4-2014
- Compliance made visible
- Space saving - gives one penetration point per apartment
- Suitable for SOU and riser shaft penetrations
- Multi-service solution
- One solution for the life of the building
- Acoustic rating
- Good smoke leakage performance
- Saves time and labour for builders and service trades
- Install before the walls or after

*We have had many dealings with the Trafalgar team during the growth period of our new business, and on an ongoing basis for many discussions.*

*They have a very knowledgeable technical team – not only on their products, but also the industry and it's issues in general. Chris has been very supportive in technical meetings at the FPA providing background, legislative interpretation, and papers etc.*

*John has provided many insights from historical and current experience, and we appreciate their willingness to test to remove grey areas.*

*Trafalgar are reliable suppliers who bridge the gap between caring about selling products and solving life safety issues.*

*Well done, and keep up the good work!*

*Gina Patrick  
Plus Passive Fire*

The SuperSTOPPER<sup>®</sup> Slab-Mount is a proudly Australian made passive fire penetration system used for multiple and mixed service penetrations which has been designed and tested to be built into residential/commercial apartment walls and riser shafts reducing the space required for service penetrations, providing predictable site costs and a reliable method of fire stopping.

**Passive Fire Protection from Trafalgar Fire a Brand you can Trust, with 75 years of Innovation.**

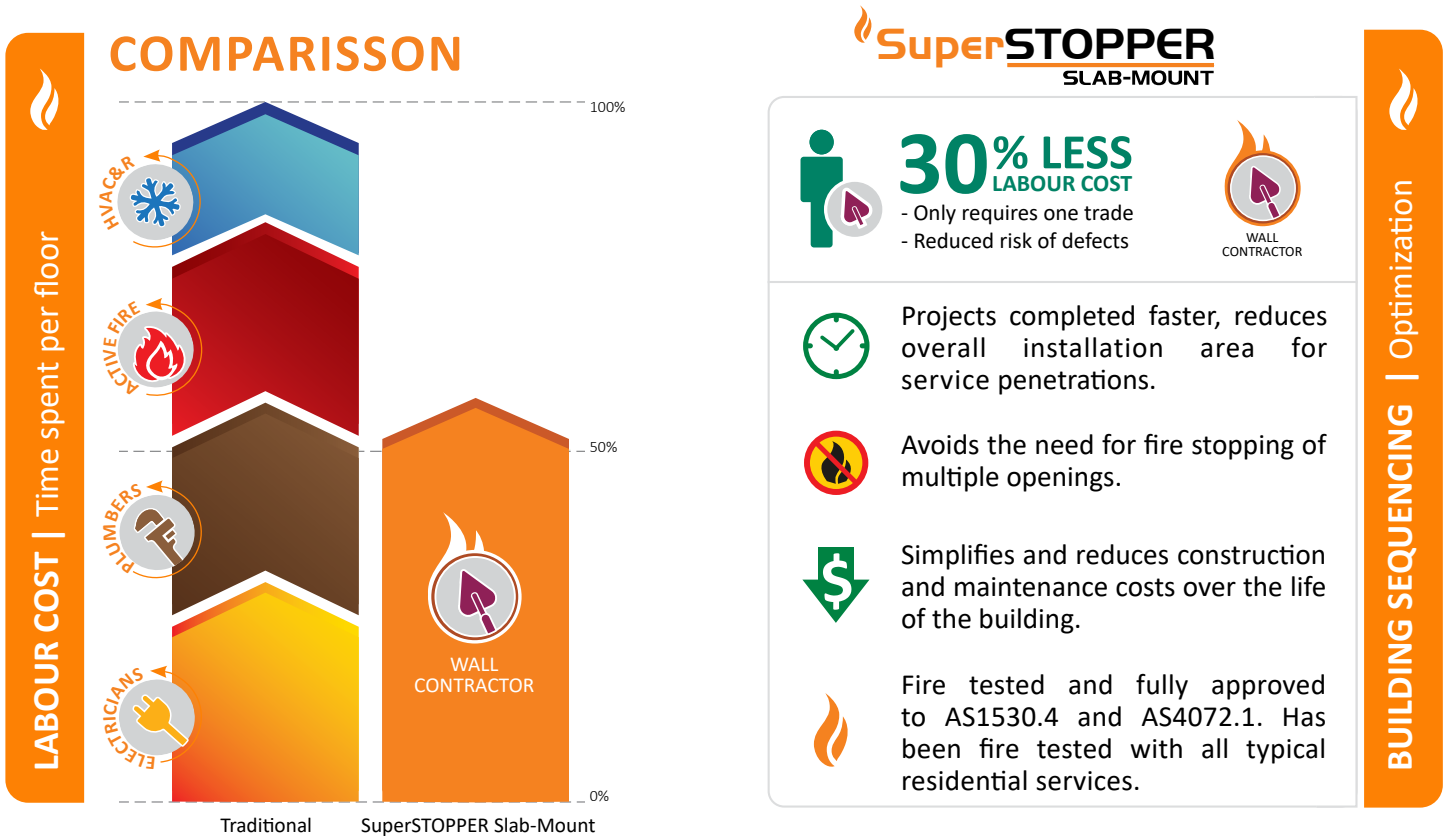
**Full Product Support by the Trafalgar Fire Technical Team.**



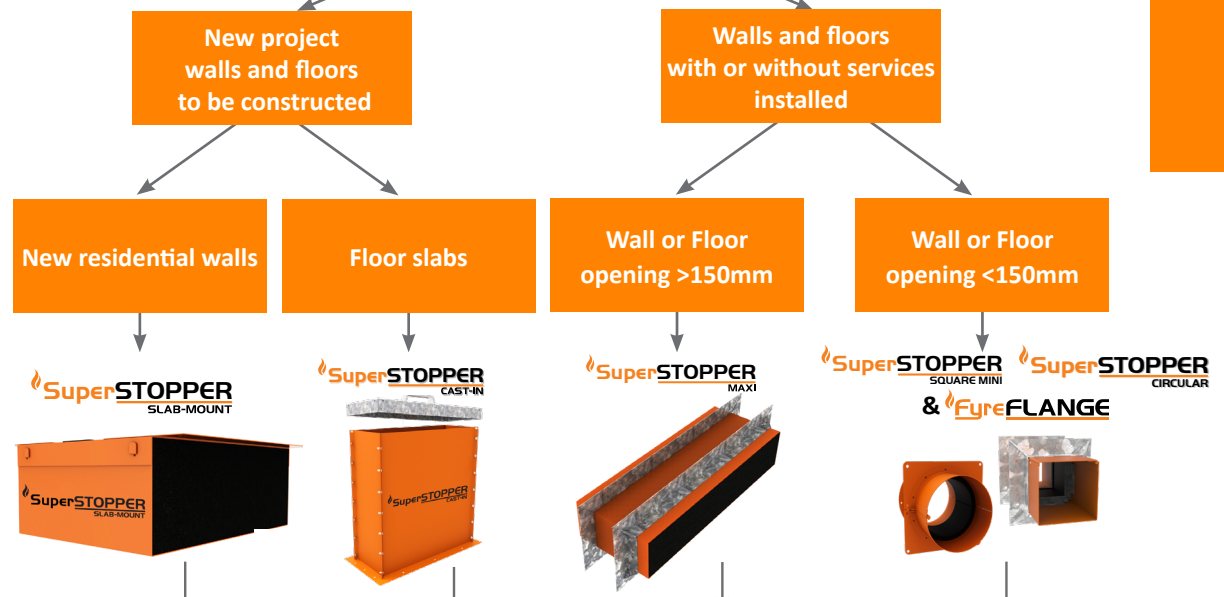
## MAJOR BENEFITS WITH FIRE PROTECTION

TRUSTED FIRE SOLUTIONS / 30% LABOUR SAVINGS

The SuperSTOPPER<sup>®</sup>™ system ensures that all services are adequately fire stopped. The best permanent system and allows for service trades to complete their work faster.



### SuperSTOPPER SYSTEM SELECTOR



		SuperSTOPPER SLAB-MOUNT	SuperSTOPPER CAST-IN	SuperSTOPPER MAXI	SuperSTOPPER SQUARE MINI & FyreFLANGE	SuperSTOPPER CIRCULAR
Installation Prior to Fire Barrier Construction		✓	✓	✗	✗	✗
Hole Cutting Required		✗	✗	✓	✓	✓
Fire Barrier	Floors					
	Concrete Slab	✗	✓	✓	✓	✓
	FyreSET® Mortar	✗	✓	✗	✗	✗
	Walls					
	Masonry Walls	✓	✗	✓	✓	✓
	Concrete Walls	✓	✗	✓	✓	✓
	Plasterboard	✓	✗	✓	✓	✓
	Hebel® / Wasc®	✓	✗	✓	✓	✓
	SpeedPanel®	✓	✗	✓	✓	✓
	Alpha Panel®	✓	✗	✓	✓	✓
	COREX walls	✓	✗	✓	✓	✓
	FyreBOARD Maxilite™	✓	✗	✓	✓	✓
	FyreBATT	✗	✗	✗	✓	✓
Ceilings						
Plasterboard Ceiling	✗	✗	✓	✓	✓	
COREX ceilings	✗	✗	✓	✓	✓	
Services	Power Cables	✓	✓	✓	✓	✓
	Data Cables	✓	✓	✓	✓	✓
	Cable Trays	✓	✓	✓	✗	✗
	Steel and Copper Pipes	✓	✓	✓	✓	✓
	Aluminium Cables	✓	✓	✓	✓	✓
	CPVC Pipes	✓	✓	✓	✓	✓
	PVC Pipes	✗	✓	Floors Only	Floors Only	Floors Only
	PEX	✓	✓	✓	✓	✓
	PEX-AL-PEX	✓	✓	✓	✓	✓
	Insulated Copper	✓	✓	✓	✓	✓
	Pair Coils	✓	✓	✓	✓	✓

For full FRL details please consult the relevant technical guide or contact Trafalgar Fire. Fire testing of Trafalgar Fire products is always ongoing.

## FIRE RESISTANCE LEVEL

### FIRE RATING – HOW IS FIRE PERFORMANCE MEASURED?

An FRL (fire resistance level) is a handy way of summarising the performance of a building element. It consists of 3 numbers, all given in minutes:

## FRL 120/120/120

(example)



### Structural Adequacy

The ability of the building element to support the weight of adjacent building elements.

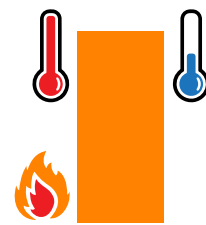
ie: a brick wall supporting a concrete floor slab above.



### Integrity

The ability of an element to prevent the passage of flames and hot gasses.

ie: a plasterboard wall remaining intact and not allowing holes to form.



### Insulation

The ability of an element to resist heat transfer from the exposed face to the unexposed face.

ie: a bundle of cables remaining below a set temperature limit on the unexposed side of the wall penetration system.

*Note: Penetrations are not required to have a Structural Adequacy rating and is usually expressed as a dash. For example, a penetration through a 2 hour load bearing wall would be written as -/120/120.*

### INTEGRITY

The SuperSTOPPER® Slab-Mount system will achieve the integrity performance for up to 2 hours physically stopping the direct spread of fire, however the insulation performance of the penetration will be limited to the type of wall being used and conductivity of the services in the penetration.

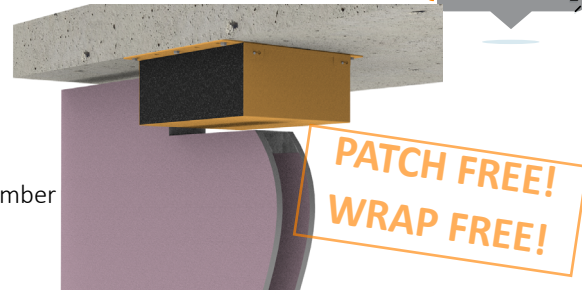
### INSULATION (TEMPERATURE RISE)

Heat transfer via conduction (or heat rise) will occur through the conductive parts of any penetration system. To limit the heat rise through the SuperSTOPPER® Slab-Mount penetration systems, our 25mm thick TWRAP™ foil encased blanket can be wrapped around the services and metal casing of the SuperSTOPPER® to achieve up to 2 hours of insulation performance. **There are some applications that won't require any TWRAP™ to achieve the full FRL, please refer to the tables below for specific details.**



## 60 Minute Plasterboard Stud Walls WRAP FREE

Minimum of 13mm fire grade plasterboard on each face of steel or timber stud, of minimum 64mm thickness with a stated FRL of -/60/60



Service Type	Service Specification		FRL - WRAP FREE	
			64mm stud*	92mm studs
Plastic Pipes	PVC Pipes	Up to 32mm OD	-/60/30	-/60/60
	PEX Pipes	Up to 20mm	-/60/30	-/60/60
		Up to 32mm	-/60/30	-/60/60
		Up to 32mm with 19mm E-Flex insulation	-/60/30	-/60/60
	PEX-Al-PEX pipes	Up to 25mm	-/60/30	-/60/60
		Up to 32mm	-/60/-	-/60/-*
		Up to 32mm with 19mm E-Flex insulation	-/60/30	-/60/60
cPVC Pipes	Up to 40mm	-/60/-	-/60/-*	
	40mm to 60mm	-/60/30	-/60/60	
Bare Metal Pipes	Copper	Up to 50mm	-/60/-	-/60/-*
	Steel	up to 60mm	-/60/30	-/60/60
Metal Pipes Insulated**	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/60/30	-/60/30*
		Up to 50mm OD with FR insulation	-/60/30	-/60/60
		Up to 20mm OD with 38mm rockwool-type insulation	-/60/30	-/60/60
	Pair coil	Up to 9.5 & 19mm with 20mm FR insulation (or 13mm PE)	-/60/30	-/60/60
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/60/30	-/60/60
	Rigid or Flexible PVC Conduits	Up to 32mm OD (with any size power or comms cables up to 32mm diameter)	-/60/30	-/60/60
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/60/30	-/60/30*
Power Cables - Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/60/30	-/60/30*
Communications Cables	RG6 coax	Up to 3x per bundle	-/60/30	-/60/60
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/60/30	-/60/60
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with any size power or comms cables up to 32mm diameter)	-/60/30	-/60/60

\*TWrap required on these specific services to achieve -/60/60 FRL. Refer to FC10266 for details in specific wall types.

\*\*With or without heat trace cable.

**60 Minute AAC Panels**  
**WRAP FREE**

Hebel, Wasc or other AAC panels 75mm thick when used for -/60/60 applications. **Note: 30mm Maxilite board can be laminated on one side of the penetration to increase the insulation performance without the need for TWrap as shown below (WRAP FREE).**



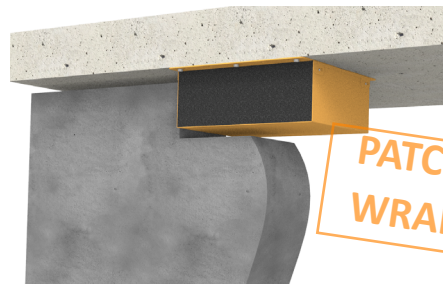
Service Type	Service Specification		FRL - WRAP FREE
			+ 30mm Maxilite
Plastic Pipes	PVC Pipe	Up to 32mm OD	-/60/60
	PEX Pipes	Up to 20mm	-/60/60
		Up to 32mm	-/60/60
		Up to 32mm with 19mm E-Flex insulation	-/60/60
	PEX-Al-PEX pipes	Up to 20mm	-/60/60
		Up to 25mm	-/60/60
		Up to 32mm	-/60/-*
		Up to 32mm with 19mm E-Flex insulation	-/60/60
cPVC Pipes	Up to 40mm	-/60/-*	
	40mm to 60mm	-/60/60	
Bare Metal Pipes	Copper	Up to 50mm	-/60/-*
	Steel	up to 60mm	-/60/60
Metal Pipes Insulated**	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/60/60
		Up to 50mm OD with FR insulation	-/60/60
		Up to 20mm OD with 38mm rockwool-type insulation	-/60/60
	Pair coil	Up to 9.5 & 19mm with 13mm PE insulation	-/60/60
		Up to 9.5 & 19mm with 20mm FR insulation	-/60/60
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/60/60
	Rigid or Flexible PVC Conduits	Up to 32mm OD (with any size power or comms cables up to 32mm diameter)	-/60/60
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/60/30*
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/60/30*
Communications Cables	RG6 coax	Up to 3x per bundle	-/60/60
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/60/60
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with any size power or comms cables up to 32mm diameter)	-/60/60

\*TWrap required on these specific services to achieve -/60/60 FRL. Refer to FC10266 for details in specific wall types.

\*\*With or without heat trace cable.

## 60 Minute Concrete, Masonry and Permanent Formwork Walls: Wrap Free

Walls designed as per AS3600 or AS3700 (or otherwise fire tested to achieve the required FRL with a minimum thickness as per the 90mm) including Dintel, AFS, Logical etc.



Service Type	Service Specification		FRL (Wrap Free)
Plastic Pipes	PVC Pipes	Up to 32mm OD	-/60/60
	PEX Pipes	Up to 20mm	-/60/60
		Up to 32mm	-/60/60
	PEX-Al-PEX pipes	Up to 20mm	-/60/60
		Up to 25mm	-/60/60
		Up to 32mm	-/60/-*
	cPVC Pipes	Up to 40mm	-/60/-*
40mm to 60mm		-/60/60	
Bare Metal Pipes	Copper	Up to 50mm	-/60/-*
	Steel	up to 60mm	<b>-/60/60***</b>
Metal Pipes Insulated**	Copper	Up to 50mm OD with PE insulation up to 20mm thick	<b>-/60/60</b>
		Up to 50mm OD with FR insulation	<b>-/60/60</b>
		Up to 20mm OD with 38mm rockwool-type insulation	<b>-/60/60</b>
	Pair coil	Up to 9.5 & 19mm with 13mm FR insulation	<b>-/60/60</b>
		Up to 9.5 & 19mm with 20mm FR insulation	<b>-/60/60</b>
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	<b>-/60/60</b>
	Rigid or Flexible PVC Conduits	Up to 32mm OD (with any size power or comms cables up to 32mm diameter)	<b>-/60/60</b>
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	<b>-/60/60</b>
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	<b>-/60/60</b>
Communications Cables	RG6 coax	Up to 3x per bundle	<b>-/60/60</b>
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	<b>-/60/60</b>

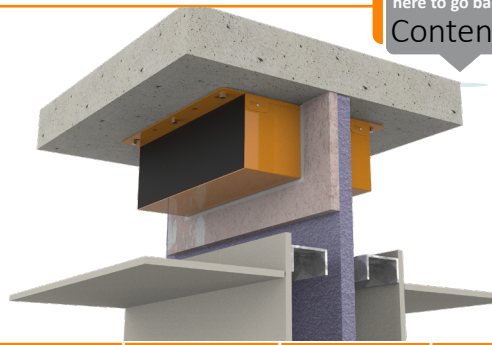
\*TWrap required on these specific services to achieve -/60/60 FRL. Refer to FC10266 for details in specific wall types.

\*\*With or without heat trace cable.

\*\*\* Wrap free approval for this service applies to walls minimum 118mm thick, otherwise 300mm TWrap is required on the pipe

## 60 minute IntrWall & Other Party Wall Systems

SuperSTOPPER® can penetrate the core of the wall, which is laminated with at least 1x16mm fire grade plasterboard on one side (or 1x layer of 13mm on both sides of the shaftliner core).



Service Type	Service Specification		FRL Wrap Free*	FRL with TWRAP™	TWrap Length required (mm)
Plastic Pipes	PVC Pipes	Up to 32mm OD	-/60/30	-/60/60	300
	PEX Pipes	Up to 20mm	-/60/30		300
		Up to 32mm	-/60/30		450
		Up to 32mm with 19mm E-Flex insulation	-/60/30		300
	PEX-Al-PEX pipes	Up to 25mm	-/60/30		300
		Up to 32mm	-/60/-		450
		Up to 32mm with 19mm E-Flex insulation	-/60/30		300
	cPVC Pipes	Up to 40mm	-/60/-		300
		40mm to 60mm	-/60/30		300
Bare Metal Pipes	Copper	Up to 50mm	-/60/-		300
	Steel	up to 60mm	-/60/30		300
Metal Pipes Insulated**	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/60/30		300
		Up to 50mm OD with FR insulation	-/60/30		300
		Up to 20mm OD with 38mm rockwool-type insulation	-/60/30		300
	Pair coil	Up to 9.5 & 19mm with 20mm FR insulation (or 13mm PE)	-/60/30		300
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/60/30	300	
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/60/30	300	
Power Cables - Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/60/30	300	
Communications Cables	RG6 coax	Up to 3x per bundle	-/60/30	300	
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/60/30	300	
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)	-/60/30	300	

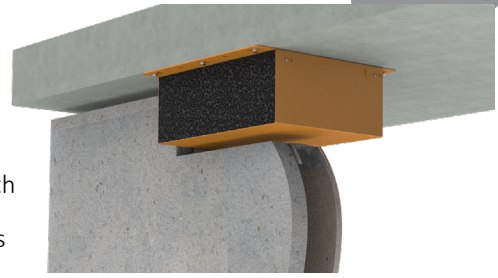
\*If using SuperSTOPPER® without TWrap for FRL's up to -/60/30, the wall must be thickened with 60mm Maxilite board 100mm strips on one side.

\*\*Heat trace cables may be installed underneath thermal lagging through a SuperSTOPPER® penetration

## 60 minute XCEM Alpha Panel walls

**Type 1 \*\*** - 35mm Alpha Panel, framed with stud and lined on the other face with 13mm fire grade plasterboard (88mm minimum thickness)

**Type 2** - 35mm Alpha Panel, framed with stud on both sides, lined on both faces with 13mm fire grade plasterboard (200mm minimum thickness)



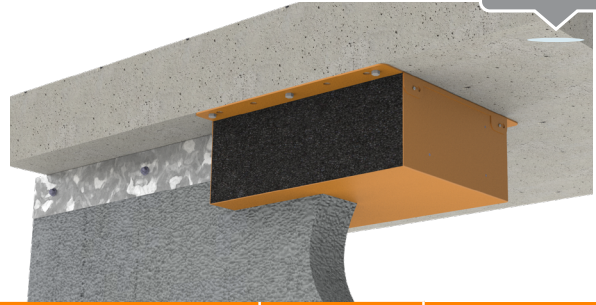
Service Type	Service Specification		FRL - WRAP FREE		FRL with TWRAP™	
			Type 1**	Type 2	Both walls	Length required (mm)
Plastic Pipes	PVC Pipes	Up to 32mm OD	-/60/30	<b>-/60/60</b>	<b>-/60/60</b>	300
	PEX Pipes	Up to 20mm	-/60/30	<b>-/60/60</b>		300
		Up to 32mm	-/60/30	<b>-/60/60</b>		450
		Up to 32mm with 19mm E-Flex insulation	-/60/30	<b>-/60/60</b>		300
	PEX-Al-PEX pipes	Up to 25mm	-/60/30	<b>-/60/60</b>		300
		Up to 32mm	-/60/-	-/60/-		450
		Up to 32mm with 19mm E-Flex insulation	-/60/30	<b>-/60/60</b>		300
	cPVC Pipes	Up to 40mm	-/60/-	-/60/-		300
40mm to 60mm		-/60/30	<b>-/60/60</b>	300		
Bare Metal Pipes	Copper	Up to 50mm	-/60/-	-/60/-	300	
	Steel	up to 60mm	-/60/30	<b>-/60/60</b>	300	
Metal Pipes Insulated*	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/60/30	-/60/30	<b>-/60/60</b>	300
		Up to 50mm OD with FR insulation	-/60/30	<b>-/60/60</b>		300
		Up to 20mm OD with 38mm rockwool-type insulation	-/60/30	<b>-/60/60</b>		300
	Pair coil	Up to 9.5 & 19mm with 20mm FR insulation (or 13mm PE)	-/60/30	<b>-/60/60</b>		300
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/60/30	<b>-/60/60</b>	300	
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/60/30	-/60/30	300	
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/60/30	-/60/30	300	
Communications Cables	RG6 coax	Up to 3x per bundle	-/60/30	<b>-/60/60</b>	300	
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/60/30	<b>-/60/60</b>	300	
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)	-/60/30	<b>-/60/60</b>	300	

\*Heat trace cables may be installed underneath thermal lagging through a SuperSTOPPER® penetration

\*\* Type 1 Alpha Panel walls require local thickening with 60mm of Maxilite Board, unless at least 450mm of TWrap is installed.

## 90 Minute AAC Panels

Hebel, Waslc or other AAC panels 75mm thick with a stated FRL up to -/90/90. Note if this wall is used for a -/60/60 apartment entry, please refer to page 9.



Service Type	Service Specification		FRL - WRAP FREE	FRL-With 300mm TWRAP
Plastic Pipes	PVC Pipes	Up to 32mm OD	-/90/30	-/90/90
	PEX Pipes	Up to 20mm	-/90/30	-/90/90
		Up to 32mm	-/90/30	-/90/90 <b>(450mm TWrap)</b>
		Up to 32mm with 19mm E-Flex insulation	-/90/30	-/90/90
	PEX-Al-PEX pipes	Up to 20mm	-/90/30	-/90/90
		Up to 25mm	-/90/30	-/90/90
		Up to 32mm	-/90/0	-/90/90 <b>(450mm TWrap)</b>
		Up to 32mm with 19mm E-Flex insulation	-/90/30	-/90/90 (450mm TWrap)
	cPVC Pipes	Up to 40mm	-/90/0	-/90/90
		40mm to 60mm	-/90/30	-/90/90
Bare Metal Pipes	Copper	Up to 50mm	-/90/0	-/90/90
	Steel	up to 60mm	-/90/30	-/90/90
Metal Pipes Insulated*	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/90/30	-/90/90
		Up to 50mm OD with FR insulation	-/90/30	-/90/90
		Up to 20mm OD with 38mm rockwool-type insulation	-/90/30	-/90/90
	Pair coil	Up to 9.5 & 19mm with 13mm PE insulation	-/90/30	-/90/90
		Up to 9.5 & 19mm with 20mm FR insulation	-/90/30	-/90/90
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/90/30	-/90/90
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/90/30	-/90/90
	Rigid or Flexible PVC Conduits	Up to 32mm OD (with any size power or comms cables up to 32mm diameter)	-/90/30	-/90/90
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/90/30	-/90/90
Communications Cables	RG6 coax	Up to 3x per bundle	-/90/30	-/90/90
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/90/30	-/90/90
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with any size power or comms cables up to 32mm diameter)	-/90/30	-/90/90

\*With or without heat trace cable

### 90 Minute Plasterboard Stud Walls

Minimum of 16mm fire grade plasterboard on each face of a steel or timber stud of minimum 64mm thickness, with a stated FRL of -/90/90.



**PATCH FREE!**

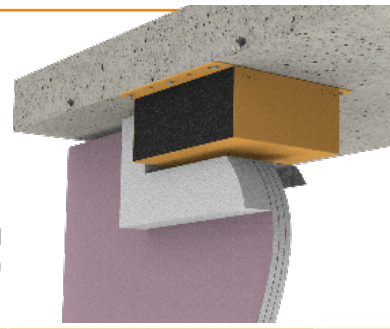
Service Type	Service Specification		FRL (Wrap Free)	FRL with TWRAP™	TWRAP™ Length required (mm)
Plastic Pipes	PVC Pipes	Up to 32mm OD	<b>-/90/60</b>	<b>-/90/90</b>	300
	PEX Pipes	Up to 20mm	<b>-/90/60</b>		300
		Up to 32mm	<b>-/90/60</b>		450
		Up to 32mm with 19mm E-Flex insulation	<b>-/90/60</b>		300
		Up to 25mm	<b>-/90/60</b>		300
	PEX-Al-PEX pipes	Up to 32mm	<b>-/90/-</b>		450
		Up to 32mm with 19mm E-Flex insulation	<b>-/90/30</b>		300
		cPVC Pipes	Up to 40mm		<b>-/90/-</b>
	40mm to 60mm		<b>-/90/60</b>		300
	Bare Metal Pipes	Copper	Up to 50mm		<b>-/90/-</b>
Steel		up to 60mm	<b>-/90/30</b>	300#	
Metal Pipes Insulated*	Copper	Up to 50mm OD with PE insulation up to 20mm thick	<b>-/90/30</b>	300	
		Up to 50mm OD with FR insulation	<b>-/90/30</b>	300	
		Up to 20mm OD with 38mm rockwool-type insulation	<b>-/90/30</b>	300	
	Pair coil	Up to 9.5 & 19mm with 20mm FR insulation (or 13mm PE)	<b>-/90/30</b>	300	
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	<b>-/90/30</b>	300	
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	<b>-/90/30</b>	300	
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	<b>-/90/30</b>	300	
Communications Cables	RG6 coax	Up to 3x per bundle	<b>-/90/30</b>	300	
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	<b>-/90/30</b>	300	
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)	<b>-/90/60</b>	300	

\*Heat trace cables may be installed underneath thermal lagging through a SuperSTOPPER® penetration

#With 300mm of loose TWRap infill packed around any cable tray services within the wrap.

## 90 Minute Laminated Plasterboard Shaft Walls

Minimum of 3x fire grade plasterboard on one side of a steel stud with a stated FRL of 90 or 120 minutes. SuperSTOPPER® penetration thickened with 60mm Maxilite in 100mm strips on one side of the penetration.



Service Type	Service Specification		Plasterboard outside minimum 64mm stud (FRL wrap Free)		FRL with TWRAP	TWrap Length required (mm)
			3x13mm plaster	3x16mm plaster		
Plastic Pipes	PVC Conduits	Up to 32mm OD	-/90/30	-/120/30	-/120/120 (Limited to the FRL of the wall)	300
	PEX Pipes	Up to 20mm	-/90/30	-/120/30		300
		Up to 32mm	-/90/30	-/120/30		450
		Up to 32mm with 19mm E-Flex insulation	-/90/30	Not approved		300 <b>(-/90/90 only)</b> only)
	PEX-Al-PEX pipes	Up to 25mm	-/90/30	-/120/30		450
		Up to 32mm	-/90/-	-/120/30		450
		Up to 32mm with 19mm E-Flex insulation	-/90/30	Not approved		300 <b>(-/90/90 only)</b>
	cPVC Pipes	Up to 40mm	-/90/-	-/120/-		300
		40mm to 60mm	-/90/30	-/120/30		300
	Bare Metal Pipes	Copper	Up to 50mm	-/90/-		-/120/-
Steel		up to 60mm	-/90/30	-/120/30	300	
Metal Pipes Insulated**	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/90/30	-/120/30	300	
		Up to 50mm OD with FR insulation	-/90/30	-/120/30	300	
		Up to 20mm OD with 38mm rockwool-type insulation	-/90/30	-/120/30	300	
	Pair coil	Up to 9.5 & 19mm with 20mm FR insulation (or 13mm PE)	-/90/30	-/120/30	300	
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/90/30	-/120/30	300	
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/90/30	-/120/30	600**	
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/90/30	-/120/30	300	
Communications Cables	RG6 coax	Up to 3x per bundle	-/90/30	-/120/30	300	
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/90/30	-/120/30	450	
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)	-/90/30	-/120/30	300	

\*Heat trace cables may be installed underneath thermal lagging through a SuperSTOPPER® penetration

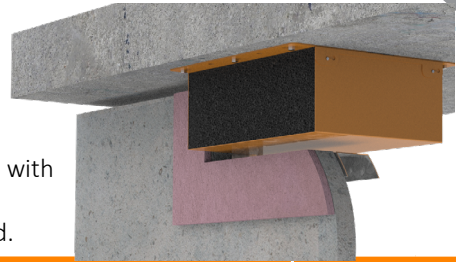
\*\*Loose TWrap infill installed onto cable trays for at least 300mm underneath TWrap



### 90 minute XCEM Alpha Panel walls

**Type 3** - 35mm Alpha Panel, framed with stud and lined on the other face with 16mm fire grade plasterboard (91mm minimum thickness).

**Type 4** - 35mm Alpha Panel laminated with 16mm fire grade plasterboard.

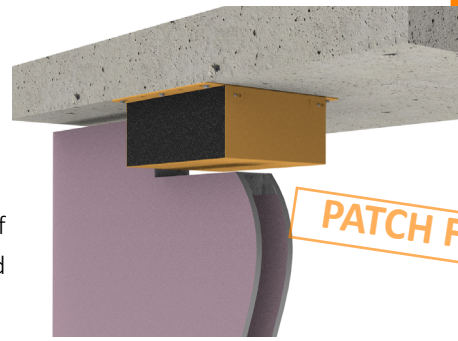


Service Type	Service Specification		FRL (Wrap Free)**		FRL with TWRAP™		
			Type 3	Type 4	Both walls	Length required (mm)	
Plastic Pipes	PVC Conduits	Up to 32mm OD	-/90/60	-/90/30	-/90/90	450	
	PEX Pipes	Up to 20mm	-/90/60	-/90/30		450	
		Up to 32mm	-/90/60	-/90/30		450	
		Up to 32mm with 19mm E-Flex insulation	-/90/60	-/90/30		450	
		Up to 25mm	-/90/60	-/90/30		450	
	PEX-Al-PEX pipes	Up to 32mm	-/90/-	-/90/-		450	
		Up to 32mm with 19mm E-Flex insulation	-/90/30	-/90/30		450	
		cPVC Pipes	Up to 40mm	-/90/-		-/90/-	450
	Bare Metal Pipes	Copper	Up to 50mm	-/90/-		-/90/30	450
		Steel	up to 60mm	-/90/30		-/90/30	450
Metal Pipes Insulated*	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/90/30	-/90/30	450		
		Up to 50mm OD with FR insulation	-/90/30	-/90/30	450		
		Up to 20mm OD with 38mm rockwool-type insulation	-/90/30	-/90/30	450		
	Pair coil	Up to 9.5 & 19mm with 20mm FR insulation (or 13mm PE)	-/90/30	-/90/30	450		
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/90/30	-/90/30	450		
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/90/30	-/90/30	450		
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/90/30	-/90/30	450		
Communications Cables	RG6 coax	Up to 3x per bundle	-/90/30	-/90/30	450		
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/90/30	-/90/30	450		
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)	-/90/60	-/90/30	450		

\*Heat trace cables may be installed underneath thermal lagging through a SuperSTOPPER® penetration  
 \*\*Wrap free FRL's require a patch of 60mm Maxilite board 100mm strips on one side of the wall.

## 120 Minute Plasterboard Stud Walls

Minimum of 2x13mm fire grade plasterboard on each face of steel or timber stud, of minimum 64mm thickness with a stated FRL of -/120/120.

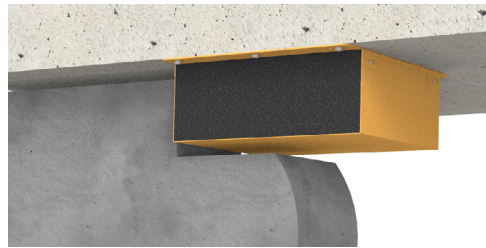


Service Type	Service Specification		FRL (Wrap Free)	FRL with TWRAP™ (all studs)	TWRAP™ Length required (mm)
<b>Plastic Pipes</b>	PVC Pipes	Up to 32mm OD	-/120/60	-/120/120	300
	PEX Pipes	Up to 20mm	-/120/60		300
		Up to 32mm	-/120/60		450
	PEX-Al-PEX pipes	Up to 20mm	-/120/60		300
		Up to 32mm	-/120/-		450
	cPVC Pipes	Up to 40mm	-/120/-		300
40mm to 60mm		-/120/60	300		
<b>Bare Metal Pipes</b>	Copper	Up to 50mm	-/120/-		300
	Steel	up to 60mm	-/120/60		300
<b>Metal Pipes Insulated*</b>	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/120/60		300
		Up to 50mm OD with FR insulation	-/120/60		300
		Up to 20mm OD with 38mm rockwool-type insulation	-/120/60		300
	Pair coil	Up to 9.5 & 19mm with 20mm FR insulation (or 13mm PE)	-/120/60	300	
<b>Power Cables - Copper Core</b>	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/120/60	300	
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/120/60	600**	
<b>Power Cables Aluminium Core</b>	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/120/30	300	
<b>Communications Cables</b>	RG6 coax	Up to 3x per bundle	-/120/60	300	
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/120/60	450**	
<b>Conduits</b>	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)	-/120/60	300	

\*Heat trace cables may be installed underneath thermal lagging through a SuperSTOPPER® penetration

\*\*Loose TWRap infill installed onto cable trays for at least 300mm underneath TWRap

## 120 Minute Concrete, Masonry and Permanent Formwork Walls



Walls designed as per AS3600 or AS3700 (or otherwise fire tested to achieved the required FRL with a minimum thickness as per the 90mm) including Dintel, AFS, Logicall etc.

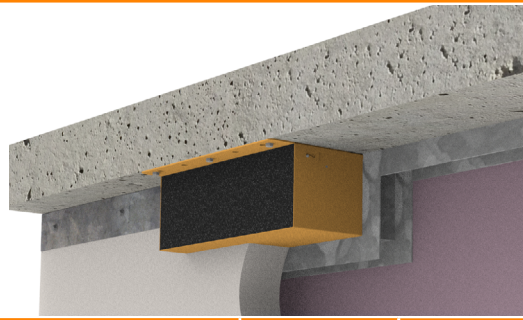
Service Type	Service Specification		FRL (Wrap Free)	FRL with TWRAP™ (all studs)	TWRAP™ Length required (mm)
Plastic Pipes	PVC Pipes	Up to 32mm OD	-/120/60	-/120/120	300
	PEX Pipes	Up to 20mm	-/120/60		300
		Up to 32mm	-/120/60		450
	PEX-Al-PEX pipes	Up to 20mm	-/120/60		300
		Up to 25mm	-/120/60		450
		Up to 32mm	-/120/0		450
	cPVC Pipes	Up to 40mm	-/120/0		300
		40mm to 60mm	-/120/60		300
Bare Metal Pipes	Copper	Up to 50mm	-/120/0	300	
	Steel	up to 60mm	-/120/60	300	
Metal Pipes Insulated*	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/120/60	300	
		Up to 50mm OD with FR insulation	-/120/60	300	
		Up to 20mm OD with 38mm rockwool-type insulation	-/120/60	300	
	Pair coil	Up to 9.5 & 19mm with 13mm FR insulation	-/120/60	300	
		Up to 9.5 & 19mm with 20mm FR insulation	-/120/60	300	
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/120/60	300	
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/120/60	600#	
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/120/30	300	
Communications Cables	RG6 coax	Up to 3x per bundle	-/120/60	300	
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/120/60	450#	
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)	-/120/60	300	

\*With or without heat trace cable.

#With 300mm of loose TWRap infill packed around any cable tray services within the wrap.

## 120 Minute AAC Panels

Hebel, Wasc or other AAC panels 75mm thick with a stated FRL up to -/120/120.



Service Type	Service Specification		FRL (Wrap Free)	FRL with TWRAP™	TWRAP™ Length required (mm)
Plastic Pipes	PVC pipes	Up to 32mm OD	-/120/30	-/120/120	300
	PEX Pipes	Up to 20mm	-/120/30		300
		Up to 32mm	-/120/30		450
	PEX-Al-PEX pipes	Up to 20mm	-/120/30		300
		Up to 25mm	-/120/30		450
		Up to 32mm	-/120/0		450
	cPVC Pipes	Up to 40mm	-/120/0		300
		Up to 60mm	-/120/30		300
Bare Metal Pipes	Copper	Up to 50mm	-/120/0		300
	Steel	up to 60mm	-/120/30		300
Metal Pipes Insulated*	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/120/30		300
		Up to 50mm OD with FR insulation	-/120/30		300
	Pair coil	Up to 20mm OD with 38mm rockwool-type insulation	-/120/30		300
		Up to 9.5 & 19mm with 13mm FR insulation	-/120/30		300
		Up to 9.5 & 19mm with 20mm FR insulation	-/120/30		300
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/120/30		300
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/120/30	600#	
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/120/30	300	
Communications Cables	RG6 coax	Up to 3x per bundle	-/120/30	300	
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/120/30	450#	
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)	-/120/60	300	

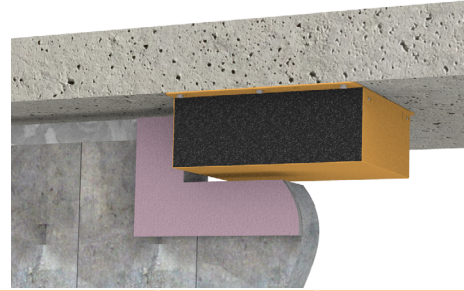
\*With or without heat trace cable

#With 300mm of loose TWRap infill packed around the services within the wrap.

## Speedpanel® Walls

Speedpanel walls of thickness ranging from 51mm (-/60/60), 64mm (-/90/90) and 78mm (-/120/120).

Note 51mm and 64mm Speedpanel walls required additional patch of 30mm Maxilite board on one side of the wall.



Service Type	Service Specification		51mm Speedpanel + 30mm Maxilite	64mm Speedpanel + 30mm Maxilite	78mm Speedpanel	TWrap Length required (mm)
Plastic Pipes	PVC pipes	Up to 32mm OD				300
	PEX Pipes	Up to 20mm				300
		Up to 32mm				450
		Up to 32mm with 19mm E-Flex** ****insulation				450
	PEX-AL-PEX pipes	Up to 20mm				300
		Up to 32mm				450
		Up to 32mm with 19mm E-Flex** insulation				450
cPVC Pipes	Up to 40mm	300				
	Up to 60mm	300				
Bare Metal Pipes	Copper	Up to 50mm				300
	Steel	up to 60mm				300
Metal Pipes Insulated#	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/60/60	-/90/90	-/120/120	300
		Up to 50mm OD with FR insulation				300
		Up to 20mm OD with 38mm rockwool-type insulation				300
	Pair coil	Up to 9.5 & 19mm with 13mm PE insulation				300
		Up to 9.5 & 19mm with 20mm FR insulation				300
Power Cables - Copper Core	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle				300
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide				600*
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)				300
Communications Cables	RG6 coax	Up to 3x per bundle				300
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide				450*
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)				300

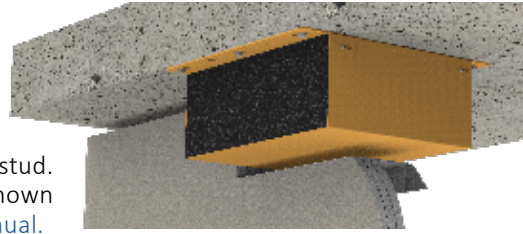
\*300mm loose TWrap infill underneath Twrap \*\* Maximum FRL-/90/90

#With or without heat trace cable.

For specific service based FRL's without using TWrap, refer to report FC10266

## Trafalgar COREX Shaft Walls

2x laminated Corex boards fixed to one side of a 64mm steel stud. FRL of the wall is related to thickness of the Corex facings as shown in the table. [Click here for the Corex Shaft Wall technical Manual.](#)



Service Type	Service Specification		Corex Board Specification & SuperSTOPPER® Penetration FRL*			TWrap Length required (mm)
			2x15mm	2x20mm	2x25mm	
<b>Plastic Pipes</b>	PVC Pipes	Up to 32mm OD				450
	PEX Pipes	Up to 20mm				450
		Up to 32mm				450
		Up to 32mm with 19mm E-Flex insulation				450
		Up to 20mm				450
	PEX-Al-PEX pipes	Up to 25mm				450
		Up to 32mm				450
		Up to 32mm with 19mm E-Flex insulation				450
cPVC Pipes	Up to 40mm	450				
	40mm to 60mm	450				
<b>Bare Metal Pipes</b>	Copper	Up to 50mm				450
	Steel	up to 60mm				450
<b>Metal Pipes Insulated**</b>	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/60/60	-/90/90	-/120/120	450
		Up to 50mm OD with FR insulation				450
	Up to 20mm OD with 38mm rockwool-type insulation	450				
	Pair coil	Up to 9.5 & 19mm with 13mm PE insulation				450
Up to 9.5 & 19mm with 20mm FR insulation		450				
<b>Power Cables - Copper Core</b>	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle				450
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide				450
<b>Power Cables Aluminium Core</b>	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)				450
<b>Communications Cables</b>	RG6 coax	Up to 3x per bundle				450
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide				450
<b>Conduits</b>	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)				450

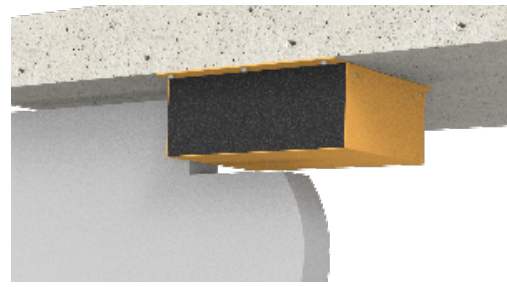
For Corex walls, the wall must be thickened on one side with 100mm wide Maxilite, 60mm thick around the penetration.

\*For specific service based FRL's without using TWrap, refer to report FC10266.

\*\*Heat trace cables may be installed underneath thermal lagging through a SuperSTOPPER® penetration

## Maxilite Board Bulkheads and Oversized Penetrations

Maxilite FyreBOARD is commonly used to construct fire rated bulkheads or to seal oversized apertures cut into fire walls. Minimum thickness required 60mm. [Click here for the Maxilite technical manuals.](#)



Service Type	Service Specification		FRL (Wrap Free)	FRL with TWRAP™ (all studs)	TWRAP™ Length required (mm)
<b>Plastic Pipes</b>	PVC Pipes	Up to 32mm OD	-/120/30	-/120/120	300
	PEX Pipes	Up to 20mm	-/120/30		300
		Up to 32mm	-/120/30		450
	PEX-Al-PEX pipes	Up to 20mm	-/120/30		300
		Up to 25mm	-/120/30		450
		Up to 32mm	-/120/0		450
	cPVC Pipes	Up to 40mm	-/120/0		300
40mm to 60mm		-/120/30	300		
<b>Bare Metal Pipes</b>	Copper	Up to 50mm	-/120/0		300
	Steel	up to 60mm	-/120/30		300
<b>Metal Pipes Insulated*</b>	Copper	Up to 50mm OD with PE insulation up to 20mm thick	-/120/30		300
		Up to 50mm OD with FR insulation	-/120/30		300
		Up to 20mm OD with 38mm rockwool-type insulation	-/120/30		300
	Pair coil	Up to 9.5 & 19mm with 13mm FR insulation	-/120/30		300
		Up to 9.5 & 19mm with 20mm FR insulation	-/120/30	300	
<b>Power Cables - Copper Core</b>	TPS	Up to 12x 2.5mm <sup>2</sup> per bundle	-/120/30	300	
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide	-/120/30	600#	
<b>Power Cables Aluminium Core</b>	Single Core cables	Bundles of up to 3 x 240mm <sup>2</sup> , 4 x 120mm <sup>2</sup> and 9 x 70mm <sup>2</sup> per bundle (16x cables total)	-/120/30	300	
<b>Communications Cables</b>	RG6 coax	Up to 3x per bundle	-/120/30	300	
	AS1530.4 Appendix D2 cable set	Applies to copper core comms cables, including cable trays up to 1000mm wide	-/120/30	450#	
<b>Conduits</b>	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)	-/120/30	300	

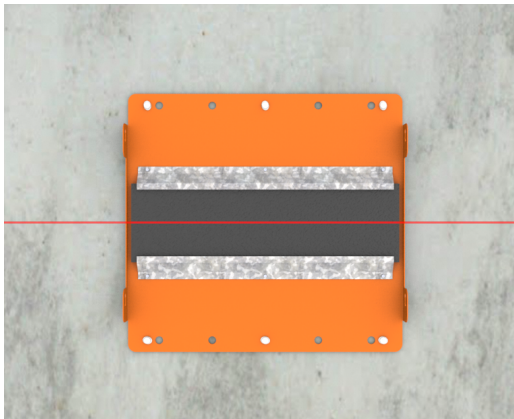
\*With or without heat trace cable

\*\*With 300mm of loose TWrap infill packed around the services within the wrap.

## INSTALLATION STAGE 1: Slab-Mount the SuperSTOPPER<sup>®</sup>

## ALL WALLS

### MARK



Mark the location where the wall is to be constructed and position the SuperSTOPPER<sup>®</sup> Slab-Mount in the desired penetration position.

**Ensure that the SuperSTOPPER<sup>®</sup> will be located centrally to the thickness of the wall.**

### SEPARATE



Separate the bottom section of the SuperSTOPPER<sup>®</sup>, and the foam end plugs, which are to be put in a safe location for later use.

### FIX



Fix the top section of the SuperSTOPPER<sup>®</sup> to the floor slab using **M6 masonry anchors, 4mm gas or powder actuated anchors** or any other **all-steel anchor** of equal pull out rating through the pre-formed mounting holes at two per side, or 300mm centres.

### SERVICES



Install services through the SuperSTOPPER<sup>®</sup> as required, ensuring all are approved for use. Please refer to the FRL tables for a list of all approved services (NB extra services can be installed at any stage of the SuperSTOPPER<sup>®</sup> installation).

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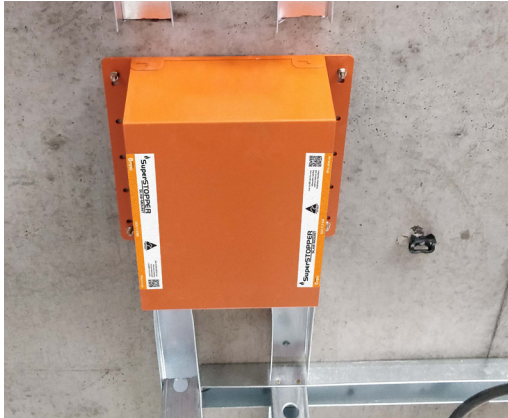




## INSTALLATION STAGE 2: WALL INSTALLATION

## PLASTERBOARD AND COREX

### CLOSE



Retrieve the bottom section of the SuperSTOPPER® and fit around the services, to the secured top section, confirming that all fixing tabs are properly locked into place.

### FRAME



Install the wall's stud framing around the perimeter of the SuperSTOPPER® and fix the plasterboard as per the wall manufacturers instruction, ensuring the annular gaps between the SuperSTOPPER® and **wall openings are within 5-20mm and allow for deflection as required.**

**There is no need to line the opening around a SuperSTOPPER® with plasterboard for 60 minute applications.**

*Corex Walls require the opening to be lined with the same thickness of Corex board as is used to build the wall.*

### PLASTER



Plasterboard is applied around the SuperSTOPPER® Slab-Mount, forming annular gaps maximum 20mm. For Corex walls, the wall must be thickened on one side with 100mm wide Maxilite, 60mm thick around the penetration.

### FINISHING

Complete the installation by following the Stages 3-4 steps outlined on [pages 29-30](#)

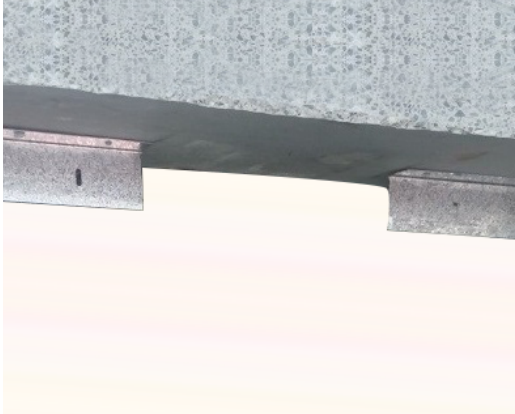
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Installation Video



## INSTALLATION STAGE 2: WALL INSTALLATION

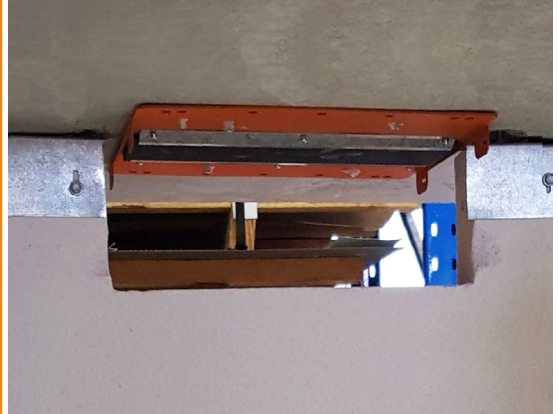
## AAC PANEL WALL

### ANGLES



Install the Hebel® wall's fixing angles on either side of the SuperSTOPPER®

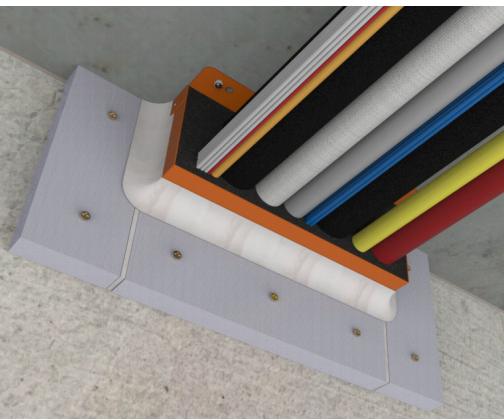
### PANEL



Install the Hebel® wall panel as per the supplier's instructions, ensuring the annular gaps between the SuperSTOPPER® and wall opening are within 5-20mm.

*Please note: FyreBOARD Maxilite® collar is not needed if you are planning to use the 3 – sided TWRAP™ detail which covers the casing of the SuperSTOPPER® for 90-minute insulation ratings – refer to table on [page 13](#).*

### COLLAR



Construct a FyreBOARD Maxilite® wall collar, on one side of the penetration, by fixing 30mm thick x 100mm wide FyreBOARD Maxilite® strips around the three exposed sides of the SuperSTOPPER®. Fix FyreBOARD Maxilite® with 10g x 60mm plasterboard screws at 150mm centres and make certain that FyreBOARD Maxilite® is fixed flush with the wall opening (Trafalgar Fire strongly recommends this step is undertaken by a Trafalgar approved SuperSTOPPER® Certification Partner).

### FINISHING

Complete the installation by following the Stages 3-4 steps outlined on [pages 29-30](#)

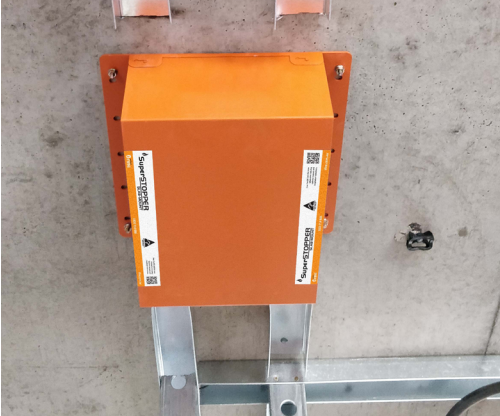
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## INSTALLATION STAGE 2: WALL INSTALLATION

## ALPHA PANEL

### CLOSE



Retrieve the bottom section of the SuperSTOPPER® and fit around the services, to the secured top section, confirming that all fixing tabs are properly locked into place.

### FRAME



Install the wall's stud framing around the perimeter of the SuperSTOPPER® and fix the plasterboard as per the wall manufacturers instruction, ensuring the annular gaps between the SuperSTOPPER® and wall openings are within 5-20mm and allow for deflection as required.

*Framing only required for AlphaPanel walls that are sheeted with plasterboard on one or both sides, however even walls with just AlphaPanel require plasterboard lining, refer to the drawings at the end of the manual for specifics.*

### PLASTER



The opening is lined with FR plasterboard to assist with the performance of the SuperSTOPPER® Slab Mount system. Some Alpha Panel Walls need to be thickened with Maxilite. Depending on applications and FRL required, refer to the approvals on [page 12](#) (60 mins) and [page 16](#) (90mins).

### FINISHING

Complete the installation by following the Stages 3-4 steps outlined on [pages 29-30](#)

Click to Watch Installation Video



## INSTALLATION STAGE 2: WALL INSTALLATION

## SPEEDPANEL®

### ANGLES



Install the Speedpanel® C-Channel to the full perimeter of the SuperSTOPPER® ensuring the annular gaps between the SuperSTOPPER® and wall opening are within 5-20mm.

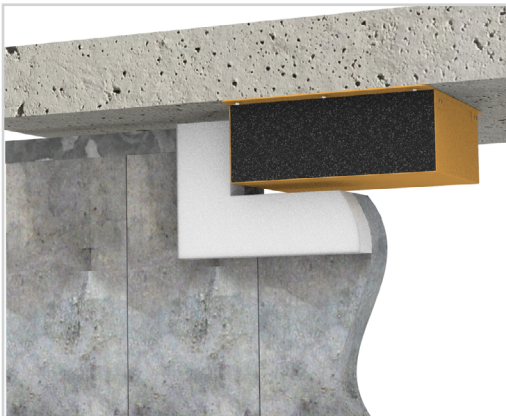
Install FR plasterboard to one side of the wall as per Speedpanel® installation specifications.

### PANEL



Install the Speedpanel® wall panel as per the supplier's instructions, ensuring the annular gaps between the SuperSTOPPER® and wall opening are within 5-20mm.

### COLLAR



For Speedpanel® walls less than 78mm construct a FyreBOARD Maxilite® wall collar, on one side of the penetration, by fixing 30mm thick x 100mm wide FyreBOARD Maxilite® strips around the three exposed sides of the SuperSTOPPER®. Fix FyreBOARD Maxilite® with 10g x 60mm plasterboard screws at 150mm centres and make certain that FyreBOARD Maxilite® is fixed flush with the wall opening (Trafalgar Fire strongly recommends this step is undertaken by a Trafalgar Fire approved SuperSTOPPER® Certification Partner).

### FINISHING

Complete the installation by following the Stages 3-4 steps outlined on [pages 29-30](#)

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Installation Video



## INSTALLATION STAGE 3: FOAM INSTALLATION

## ALL WALLS

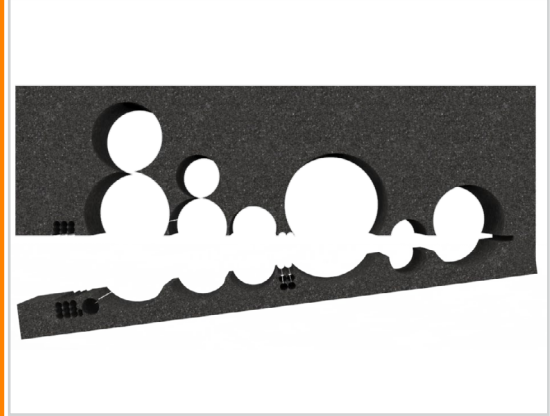
*Confirm that the installation up to this point has been done in accordance with the requirements for each wall type to ensure compliance.*

### SEAL



Fill all annular gaps between the SuperSTOPPER® and wall opening with FyreFLEX® Sealant to a depth of 20mm and finish with a 30x30mm fillet on each side of the penetration.

### SUPERSTOPPER®



Retrieve the foam end plugs and cut a horizontal slit allowing you to open the foam. Cut out a rough profile of the services so that the foam can be fit snugly around them. Slide the foam over/around the services and into the SuperSTOPPER®

*Please note: 30x30mm FyreFLEX® fillet is not needed if you are planning to use the 3 – sided TWRAP™ detail as shown on [page 29](#).*

### FOAM EXAMPLE



Plug any visible gaps in the end plugs with left over foam off cuts or FyreFLEX® Sealant. Note: It is recommended that after the foam is installed, a photograph should be taken for site records to demonstrate a compliant foam installation.

### FILL FOAM GAPS



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# INSTALLATION STAGE 4: WRAPPING

## ALL WALLS

If TWRAP™ is required for the services to achieve the insulation rating as described in the tables on pages 8-22, install as follows.

### WRAP- SERVICES ONLY



In some instances, it is appropriate to For a 60 minutes insulation, simply wrap TWRAP™ around the required (or all services), ensuring each end overlaps itself by 50mm, and butt it up against the SuperSTOPPER®'s foam end plugs. Secure the TWRAP™ in three locations with reinforced aluminium tape or stainless-steel cable ties around the entire circumference. Contact [technical@tgroup.com.au](mailto:technical@tgroup.com.au) to see if this is appropriate on your site.

### WRAP UP TO 120MIN

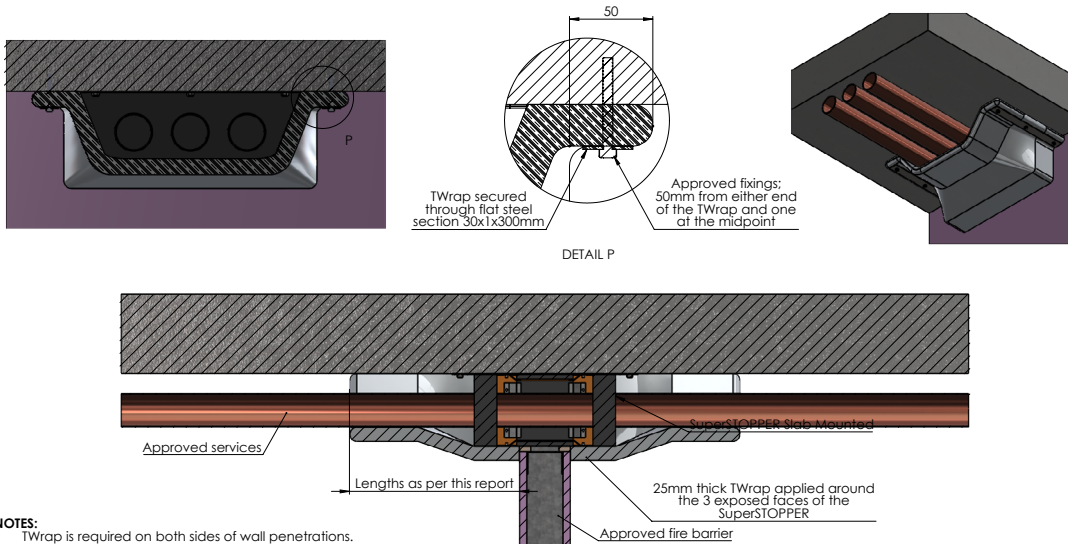


For 90 or greater minutes insulation, simply wrap TWRAP™ around the services and SuperSTOPPER® casing, flaring the edges out against the underside of the slab. These edges should overlap the slab by at least 50mm and be held in place by 30x1x300mm flat steel tabs. Refer to install drawing below.

Some instances don't need any TWrap at all, check the FRL tables or contact [technical@tgroup.com.au](mailto:technical@tgroup.com.au) to confirm.

### TWrap - 3-Sided Wrap

Where the SuperSTOPPER configuration does not achieve full insulation in a given fire barrier, TWrap will need to be applied to the SuperSTOPPER casing and services in order to increase their insulation rating up to -/XXX/120.



**NOTES:**

- TWrap is required on both sides of wall penetrations.
- Cable trays require infill material as-tested before wrapping

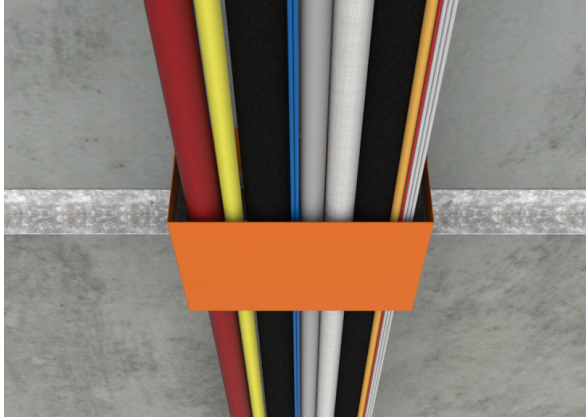
Click to Watch Installation Video



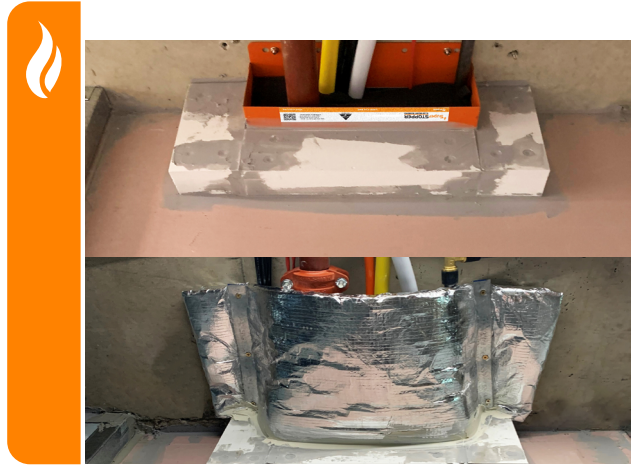
# INSTALLATION ALTERNATIVES

## RISER SHAFT

### RISER SHAFT INSTALLATIONS



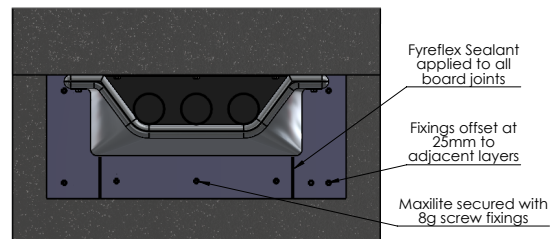
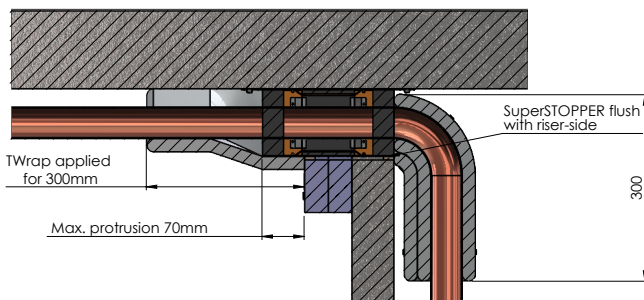
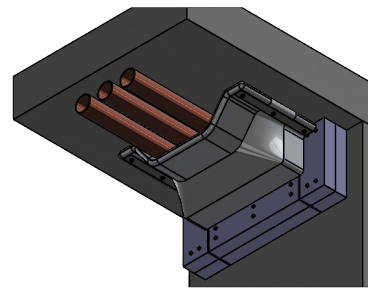
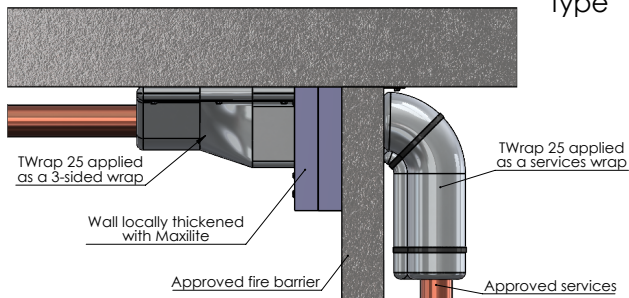
Where the SuperSTOPPER® cannot be centered in the wall due to narrow risers or slab edges being nearby.



The SuperSTOPPER® can be installed offset to the wall using strips of FyreBOARD Maxilite® to locally thicken the penetration.

### Riser Shaft Detail - SuperSTOPPER Slab Mounted installed with access from one side

SuperSTOPPER Slab Mounted to be installed, offset from the thickness of the fire barrier, as per the standard details for the corresponding barrier type



- NOTES:**
- Cable trays require infill material as-tested before wrapping

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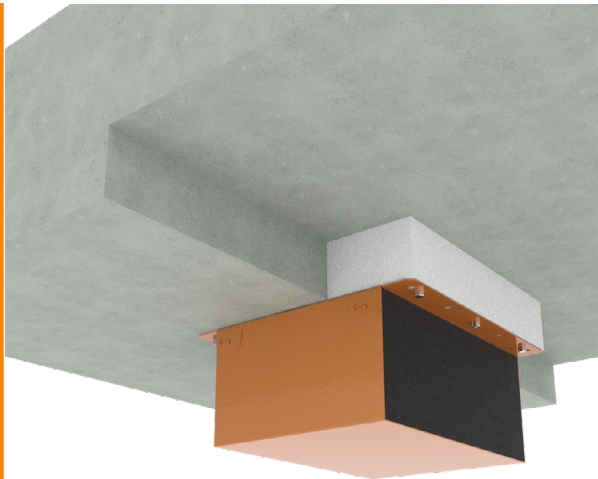


## INSTALLATION ALTERNATIVES

### STEPPED SLAB, WALL JUNCTIONS & OVERSIZED OPENINGS

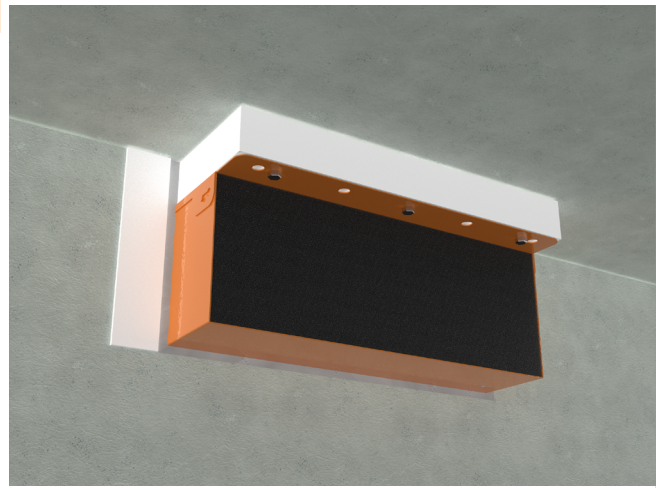
#### Stepped Slabs

Where a step up in the slab is present, FyreBOARD Maxilite can be used to pack out the gap to the SuperSTOPPER® Slab-Mount. Suitable for steps up to 60mm, with min 100mm long fixings used to secure the SuperSTOPPER® Slab-Mount to the concrete through the Maxilite Board. [Refer to page 52 for Technical Drawing.](#)



#### Oversized Openings

For openings cut too large, up to 60mm FyreBOARD Maxilite can be used to pack out the opening and reduce the annular gap. This can also be done on the sides of the SuperSTOPPER® to reduce the width of the penetration. [Refer to page 53 for Technical Drawing.](#)



#### Wall Junctions

For SuperSTOPPER® Slab-Mount systems installed against adjacent barriers, FyreFLEX Sealant is applied to the perimeter (20mm depth) of the box so daylight cant be seen through, and TWrap can be installed 2-sided to the soffit and the wall. [Refer to page 54 for Technical Drawing.](#)

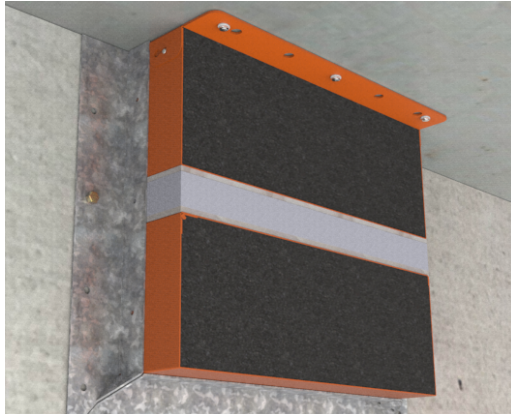




# INSTALLATION ALTERNATIVES

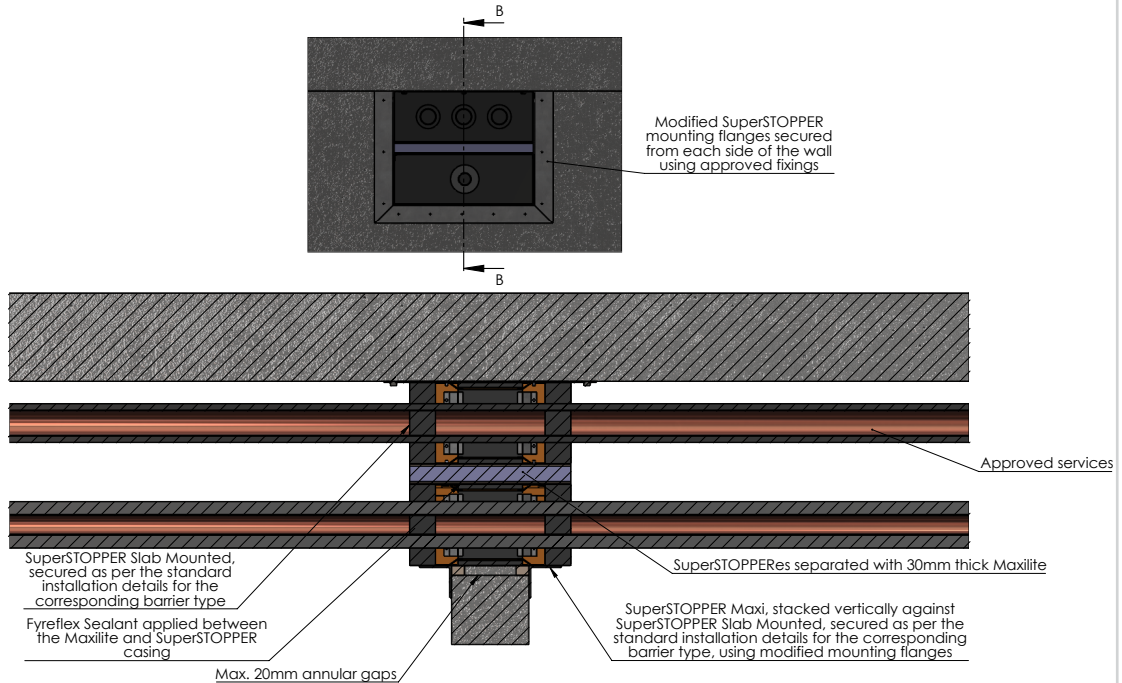
## SUPERSTOPPER® DOUBLE VERTICAL

### SUPERSTOPPER® DOUBLE



Where a large run of services needs firestopping in a small width of wall.

### Stacked - Vertical



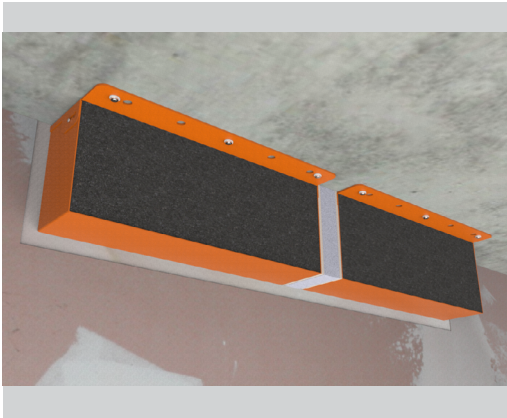
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# INSTALLATION ALTERNATIVES

## SUPERSTOPPER® DOUBLE HORIZONTAL

### DOUBLE HORIZONTAL

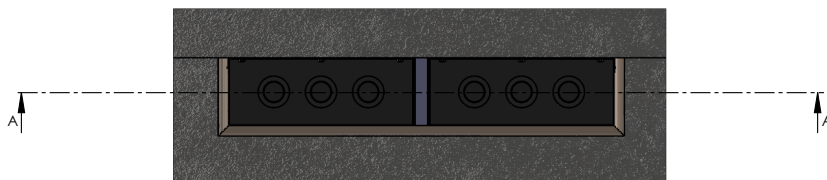


For where large amounts of services exit a riser shaft wall.

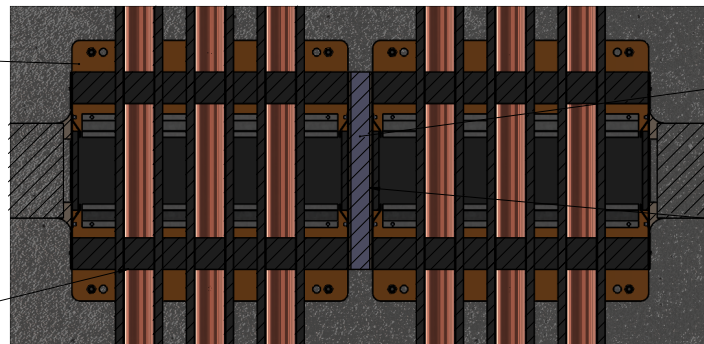


Double vertical SuperSTOPPER® installed above a doorway to allow for the provision of large amounts of services in a small space.

### Stacked - Horizontal



SuperSTOPPER SlabMounts stacked side by side, separated by section of 30mm Maxilite



30mm Maxilite board

Fyreflex Sealant applied between the Maxilite and SuperSTOPPER casing

Aside from the Maxilite stacking detail, the SuperSTOPPER SlabMounts are to be installed as per the standard details for the corresponding barrier type

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## INSTALLATION ALTERNATIVES

### INTRWALL / PARTY WALLS

If TWRAP™ is required for the services to achieve the insulation rating as described in the tables on pages 6-15, install as follows.

#### STANDARD SUPERSTOPPER<sup>®</sup>



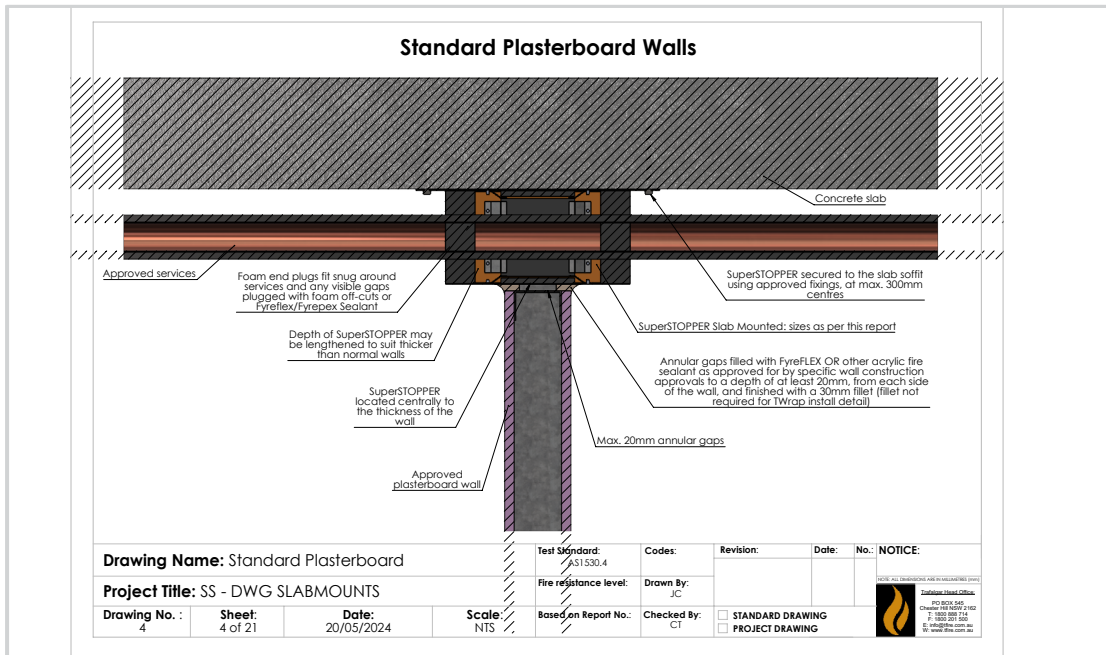
SuperSTOPPER<sup>®</sup> top plate, body and approved services all installed as standard to the soffit, with foam end plugs installed around the services.

#### INSTALL WALL



Install the wall as per the manufacturer's instruction.

#### FINISH



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If the wall does not already require it, install a layer of FR plasterboard at the head of the wall.

Install the FyreFLEX Sealant to the full depth of the plasterboard & TWRap to the required length.

# INSTALLATION CHECKLIST

## PLASTERBOARD

SuperSTOPPER® Label/Identifier

No. \_\_\_\_\_

Installer Name: \_\_\_\_\_

Company: \_\_\_\_\_

Site: \_\_\_\_\_

Installation Checklist		Satisfactory	Action Required
1	Is the SuperSTOPPER® located centrally to the thickness of the wall?		
2	Are correct fixings (M6 masonry Anchors, 4mm gas or powder actuated anchors, or any other steel anchor of equal pull out rating ) used to fix the top side of SuperSTOPPER® onto the floor slab?		
3	Are there 2 fixings per side, or maximum gap between the anchors at 300mm?		
4	Does the size of the wall opening allow for annular gap between the opening and SuperSTOPPER® within 5 to 20 mm?		
5	Are the services running through the SuperSTOPPER® as per the approved services list on the technical manual?		
6	Is the stud framing around the perimeter of the box installed as per the wall manufacturer's instructions?		
7	Is the sealant applied to correct depth of 20 mm on each side with a (fillet size of approximately 30x30mm) Note: If 3-sided wrap is used, fillet not required		
8	Is the foam snugly fit around the services and any visible gaps covered with foam off-cuts or FyreFLEX® sealant?		
<b>Services only wrap (if applicable)</b>			
1	Does the TWRAP™ wrap around the services and overlaps itself by 50mm?		
2	Is the TWRAP™ butted against the SuperSTOPPER® foam and end plugs?		
3	Is the TWRAP™ secured in three locations with reinforced aluminium tape or stainless-steel cable ties around the entire circumference?		
<b>3-sided wrap (if applicable)</b>			
1	Does the TWRAP™ cover the services including the SuperSTOPPER® and flaring at least 50mm at edges and against the slab?		
2	Is the correct steel tab (30x1x300mm) used to hold the TWRAP™ in place on both sides of the SuperSTOPPER®?		
3	Are correct fixings M6 masonry Anchors used to fix the steel tab and TWRAP™ onto the floor slab, 3x per side?		
4	Is the TWRAP™ butted up against the wall, around the box?		

For a full list of installation instructions, refer to the installation [pages 23-34](#) of this SuperSTOPPER® Slab-Mount Technical Man-

# INSTALLATION CHECKLIST

## AAC PANEL WALL

SuperSTOPPER® Label/Identifier

No. \_\_\_\_\_

Installer Name: \_\_\_\_\_

Company: \_\_\_\_\_

Site: \_\_\_\_\_

Installation Checklist		Satisfactory	Action Required
1	Is the SuperSTOPPER® located centrally to the thickness of the wall?		
2	Are correct fixings (M6 masonry Anchors, 4mm gas or powder actuated anchors, or any other steel anchor of equal pull out rating ) used to fix the top side of SuperSTOPPER® onto the Floor slab?		
3	Are there 2 fixings per side, or maximum gap between the anchors at 300mm?		
4	Does the size of the wall opening allow for annular gap between the opening and SuperSTOPPER® within 5 to 20 mm?		
5	Are the services running through the SuperSTOPPER® as per the approved services list on the technical manual?		
6	Are the Hebel® wall's head track angles installed as per the wall manufacturer's instructions on both sides?		
7	Is the sealant applied to correct depth of 20 mm on each side with a (fillet size of approximately 30x30mm) Note: If 3-sided wrap is used, fillet not required		
8	Is the foam snugly fit around the services and any visible gaps covered with foam off-cuts or FyreFLEX® sealant?		
<b>Services only wrap (if applicable)</b>			
1	Is the FyreBOARD Maxilite® wall collar constructed correctly? (One side of the penetration using three 30mm thick x 100 mm FyreBOARD Maxilite® strips) *(FyreBOARD Maxilite® collar not needed if planning to use 3-sided TWRAP™)		
2	Are the boards fixed using 10gx60mm plasterboard screws at 150mm centres and flush with the wall opening?		
3	Is the resulting gap sealed with FyreFLEX® Sealant (full depth and fillet size of 30x30mm)?		
4	Does the TWRAP™ wrap around the services and overlaps itself by 50mm? (TWRAP™ only needs to be applied on conductive services)		
5	Is the TWRAP™ butted against the SuperSTOPPER® foam and end plugs?		
6	Is the TWRAP™ secured in three locations with reinforced aluminium tape or stainless-steel cable ties around the entire circumference?		
<b>3-sided wrap (if applicable)</b>			
1	Does the TWRAP™ cover the services including the SuperSTOPPER® and flaring at least 50mm at edges and against the slab?		
2	Is the correct steel tab (30x1x300mm) used to hold the TWRAP™ in place on both sides of the SuperSTOPPER®?		
3	Are correct fixings M6 masonry Anchors used to fix the steel tab and TWRAP™ onto the Floor slab, 3x per side?		
4	Is the TWRAP™ butted up against the wall, around the box?		

For a full list of installation instructions, refer to the installation [pages 23-34](#) of this SuperSTOPPER® Slab-Mount Technical

## SYSTEM RANGE



## FyreBOX SLAB-MOUNT



Item Number	Description	Dimensions
SuperSTOPPER®-SM-BAMBINO	160 x125 x 250mm	
SuperSTOPPER®-SM-350	350 x 125 x 250mm	
SuperSTOPPER®-SM-550	550 x 125 x 250mm	
SuperSTOPPER®-SM-650	650 x 125 x 250mm	
SuperSTOPPER®-SM-Custom	Any size from 100 up to 1250 x 125 x 250mm	

## SYSTEM COMPONENTS



Item Number	Description	Min Order Qty
TWRAP- 300 x 810mm	300 x 810 x 25mm Pre Cut Strip	1
TWRAP- 300 x 1010mm	300 x 1010 x 25mm Pre Cut Strip	1
TWRAP Roll- 300mm	300 x7620 x 25mm Full Roll	1
Maxilite Strips SuperSTOPPER® SM 350	1 Strip at 580 x 100 x 30mm 2 Strips at 145 x 100 x 30mm	-

## COMPLIANCE



## COMPLIANCE WITH THE NATIONAL CONSTRUCTION CODE (NCC)

*Formerly known as BCA*

Under the NCC requirements, a multiple service transit system for service penetrations should be fire tested in every configuration that it is intended for use in, both completely empty (blank seal), partially full and completely full of services so that the product may be installed with as many or as little services as required on site. It is important to fire test in all the different walls types and with different configurations, quantities and types of services which is a time consuming (and expensive) exercise.

Trafalgar Fire SuperSTOPPER® systems have been fire tested extensively to AS1530.4-2014 and approved in accordance with Section 4 AS4072.1 as required by Schedule 5 of the NCC. This includes over 200 hours of accredited furnace time and 30 plus individual test reports to cover the full range of service and wall configurations that allow us to comfortably stand behind our multiple SYSTEM approvals.

These configurations include but are not limited to:

- Service fill ratio: Empty (blank seal), half full and completely full of services
- Barrier types: Various types of plasterboard, concrete, Blockwork, Hebel®, Walsc®, Speedpanel®, Pronto panel, FyreBOARD Maxilite®, concrete floors, plasterboard ceilings, corex walls etc
- Services: Bare and insulated metal pipes, cable trays and cable bundles, aluminium cables, PVC pipes & conduits, PEX and PEX-AL-PEX pipes, cPVC pipes etc
- Configurations: Blank seal (empty), full of services, double stacked, side by side etc
- Insulation performance: Tested both wrapped and unwrapped with TWRAP™ to ensure the system works in both configurations
- Penetration sizes: 150 x 125, 350x125, 550x125, 1100x125
- SuperSTOPPER® Variants: Slab-Mount, Slab-Mount Bambino, Cast-in, Maxi & Mini (retrofit)

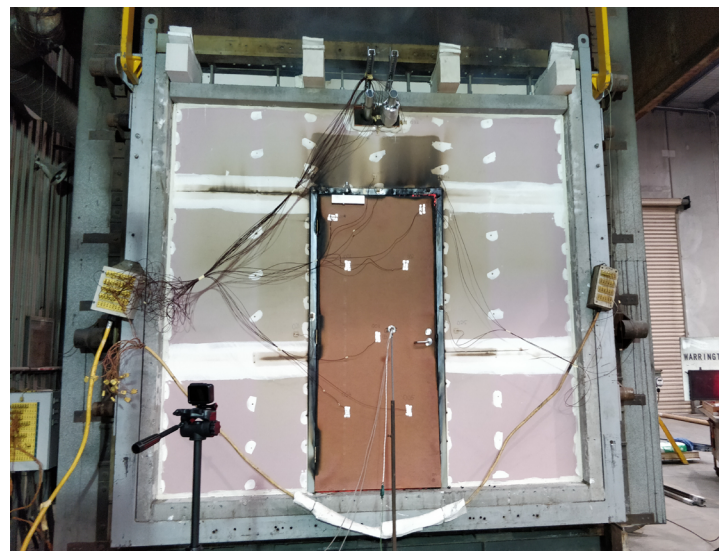
When choosing a multiple service transit penetration system like SuperSTOPPER®, it is important to check that all aspects of your system have been fire tested and are fit for purpose.

*Compliance will only be achieved when the installation on site mirrors the tested system.*

## TEST AND ASSESSMENT REPORTS

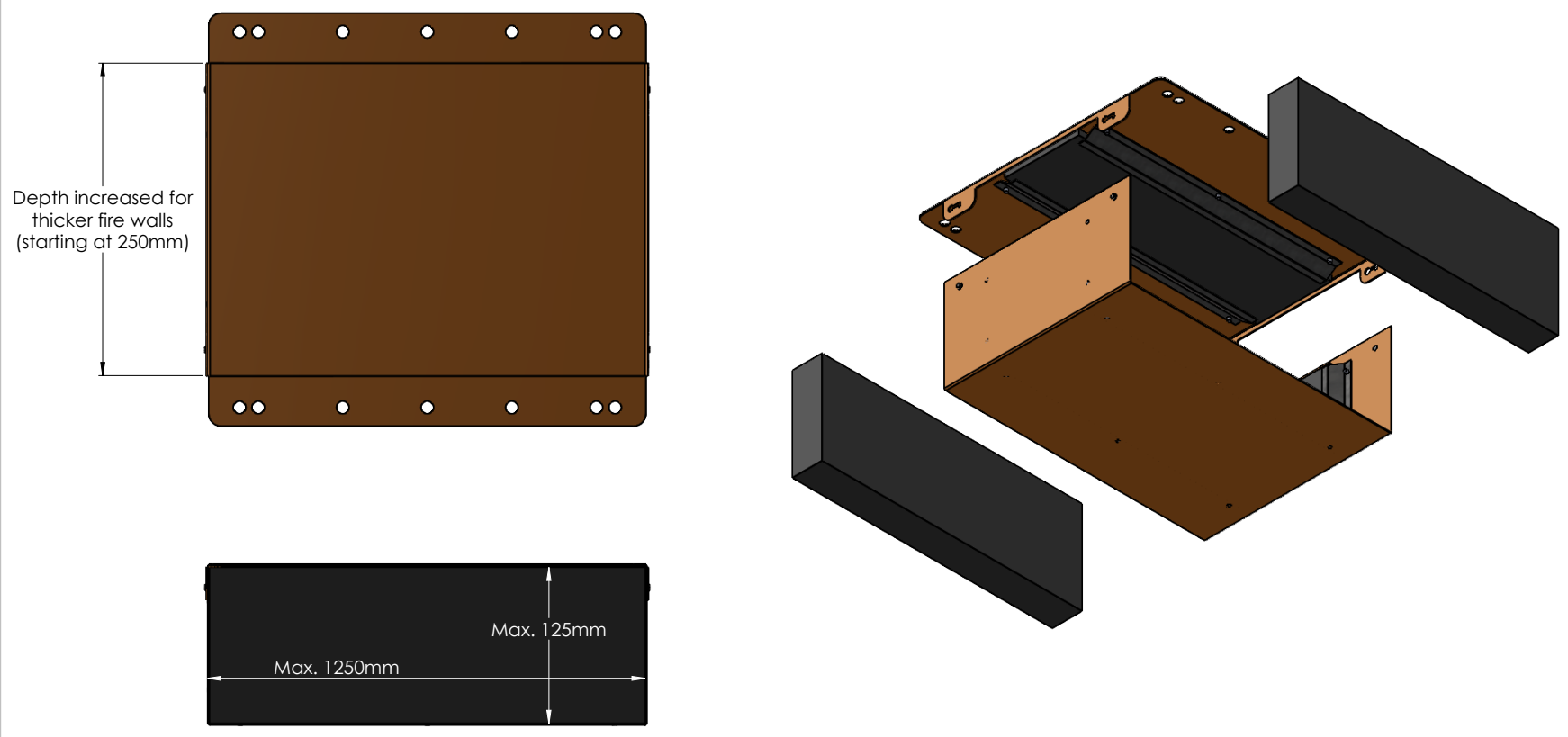
The above-mentioned fire testing reports have all been conveniently summarised into **BRANZ assessment report FC10266 (available on [www.tfire.com.au](http://www.tfire.com.au))** which neatly tabulates the approved services in a range of fire barriers, for all SuperSTOPPER® variants and applications, and covers only minor variations to the tested systems, thereby providing trouble free certification according to NCC.


Importantly, every aspect of the assessment report are backed up by the fire test data and the individual fire test reports are available on request for certification purposes.



Click here to go back to Contents

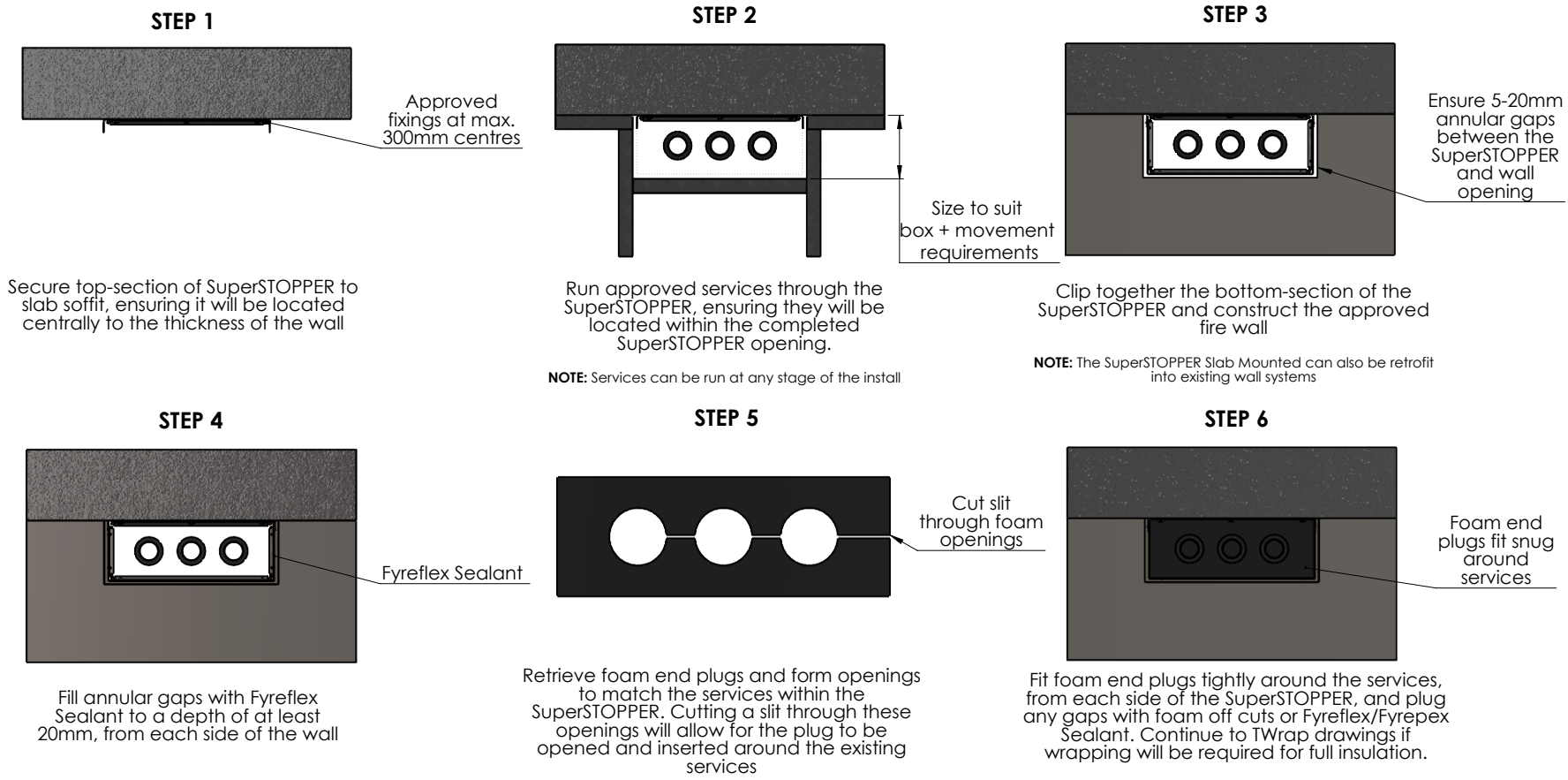
## SuperSTOPPER Slab Mounted - Product Overview




<b>Drawing Name:</b> SuperSTOPPER Slab Mounted				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au			
<b>Drawing No. :</b> 1	<b>Sheet:</b> 1 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT				



## SuperSTOPPER Slab Mounted - Installation Overview



**NOTE:** This is a generic installation guide. For specific details relevant to each barrier type, please refer to the corresponding installation drawing.

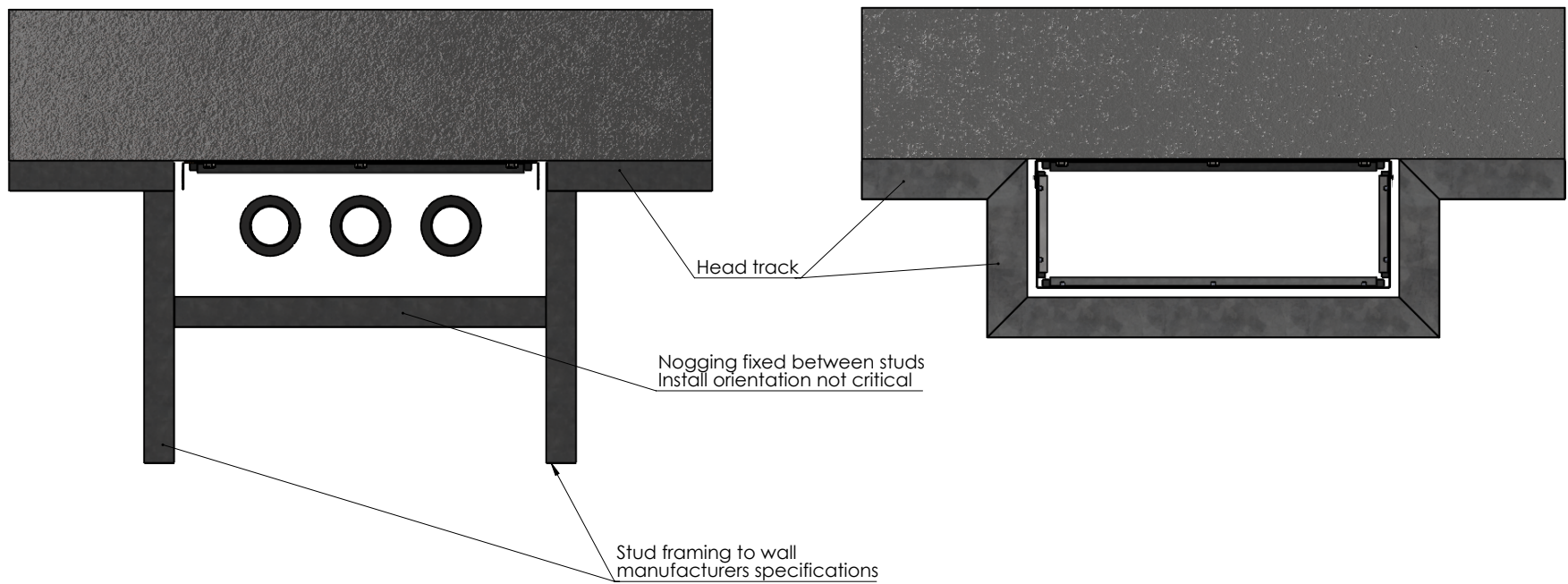
<b>Drawing Name:</b> Installation Overview				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
<b>Drawing No. :</b> 2	<b>Sheet:</b> 2 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

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## Plasterboard framing details

Option A - Full-width nogging between studs  
Recommended for areas above fire doors

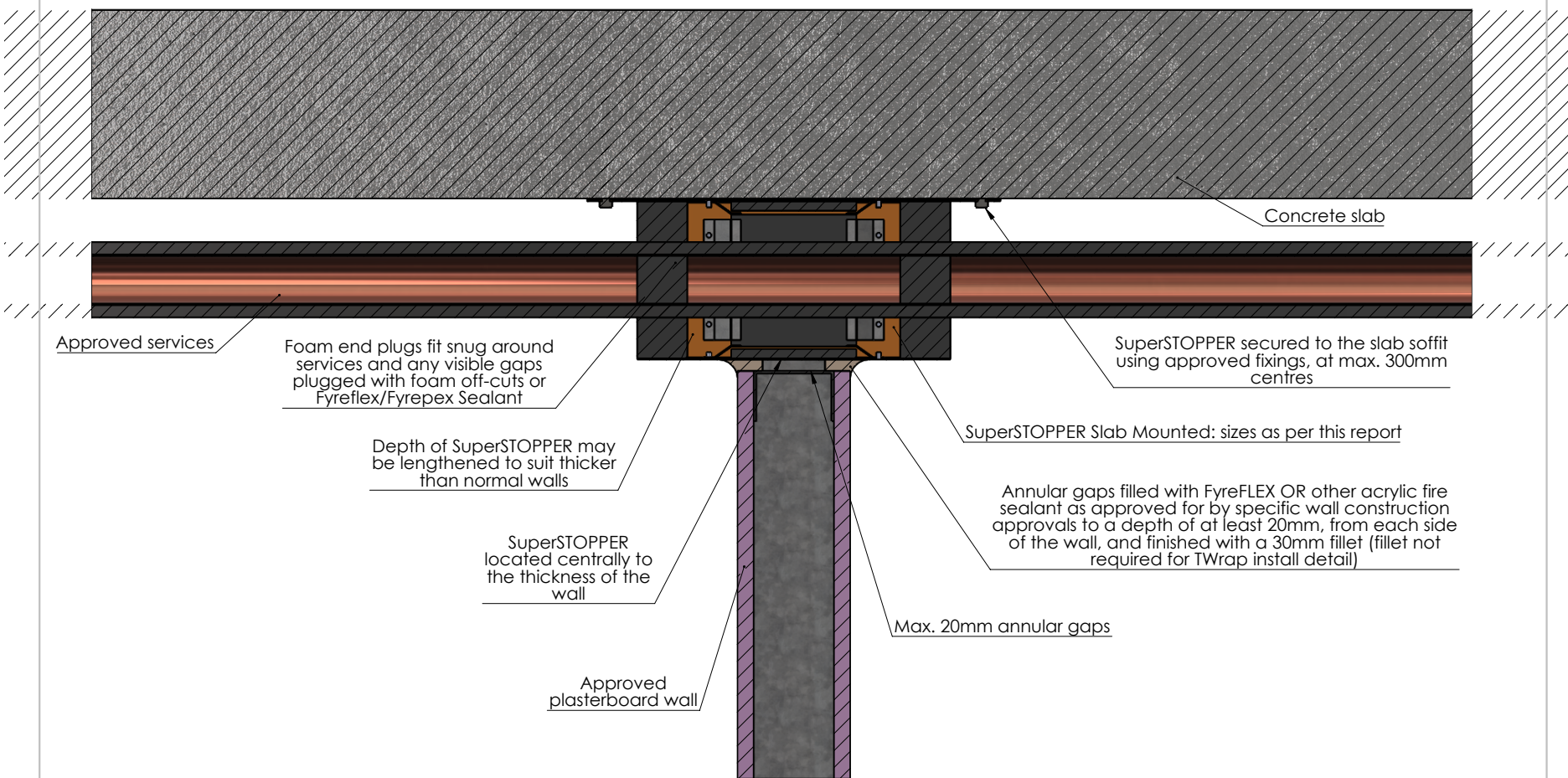
Option B - Head track contoured around opening  
Recommended for penetrations remote from fire doors




- Notes:
- Both options are as-tested
  - Both options have been tested without the opening being lined with plasterboard
  - When located above fire doors, option A is the recommended installation detail
  - Openings are to allow sufficient clearance for building movement

<b>Drawing Name:</b> Plaster framing details				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au			
<b>Drawing No. :</b> 3	<b>Sheet:</b> 3 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT				

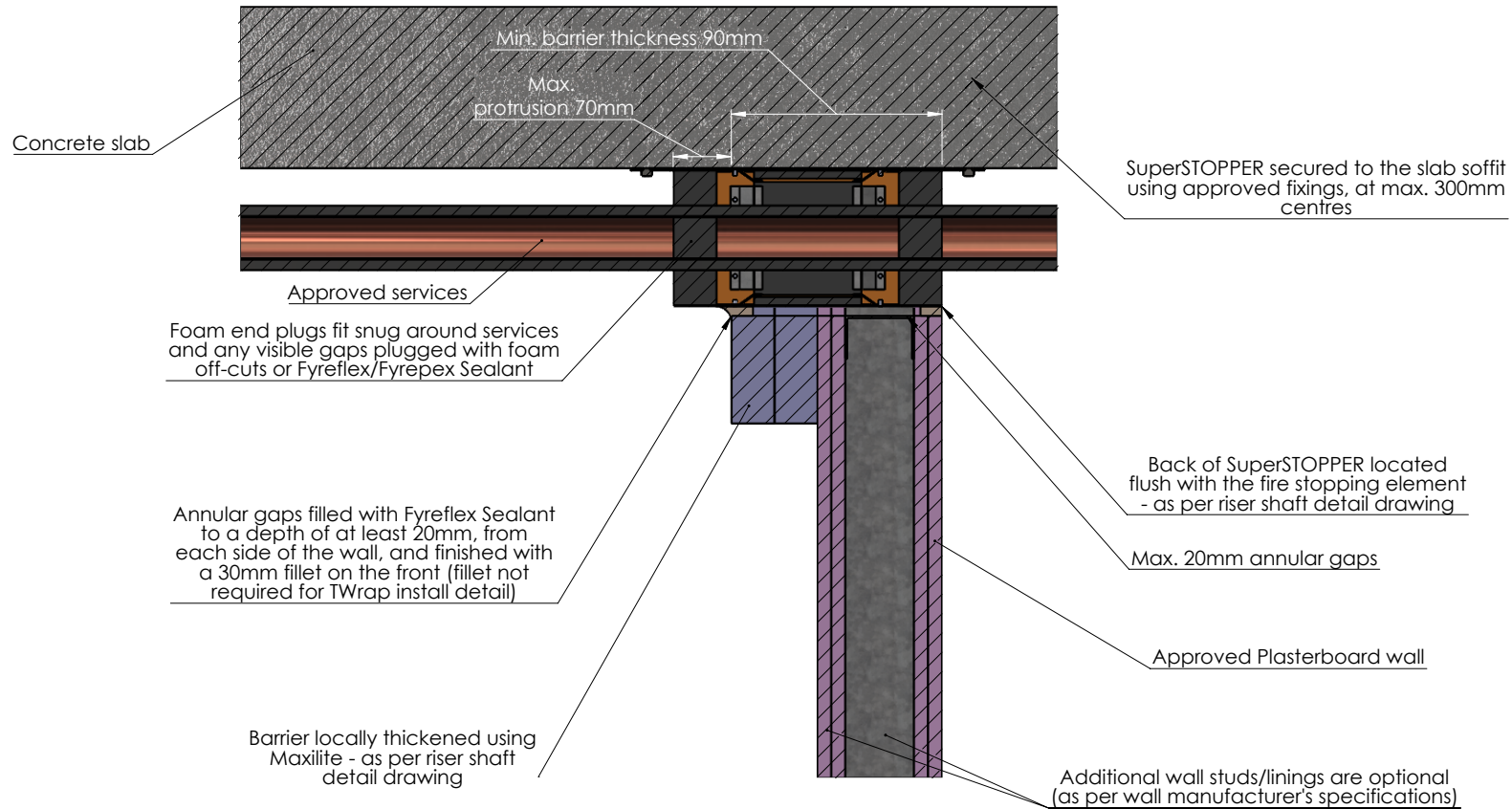
### Standard Plasterboard Walls



<b>Drawing Name:</b> Standard Plasterboard				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au			
<b>Drawing No. :</b> 4	<b>Sheet:</b> 4 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT				

## Plasterboard Walls - Built From One Side Only

- Direction of fire rating will be limited to that of the wall system
- All deflection head tracks must be notched and re-instated around the SuperSTOPPER



**Drawing Name:** Plasterboard Built On One Side

**Test Standard:**  
AS1530.4

**Codes:**

**Revision:**

**Date:**

**No.:**

**NOTICE:**

**Project Title:** SS - DWG SLABMOUNTS

**Fire resistance level:**

**Drawn By:**  
JC

NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)

**Drawing No. :**  
5

**Sheet:**  
5 of 21

**Date:**  
20/05/2024

**Scale:**  
NTS

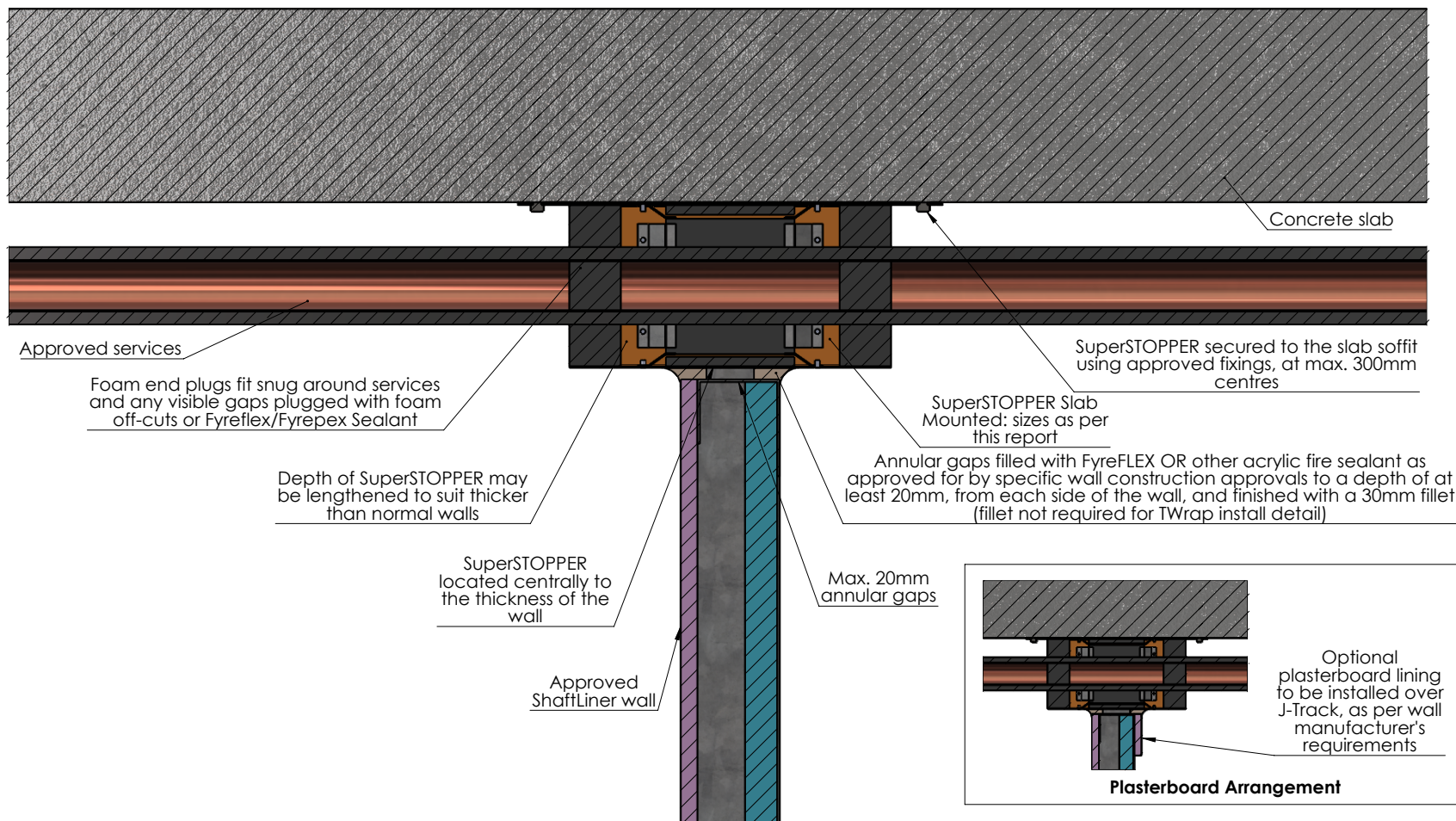
**Based on Report No.:**

**Checked By:**  
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### ShaftLiner Walls



**Drawing Name:** ShaftLiner

**Project Title:** SS - DWG SLABMOUNTS

**Drawing No. :**  
6

**Sheet:**  
6 of 21

**Date:**  
20/05/2024

**Scale:**  
NTS

**Test Standard:**  
AS1530.4

**Fire resistance level:**

**Based on Report No.:**

**Codes:**

**Drawn By:**  
JC

**Checked By:**  
CT

**Revision:**

**Date:**

**No.:**

**NOTICE:**

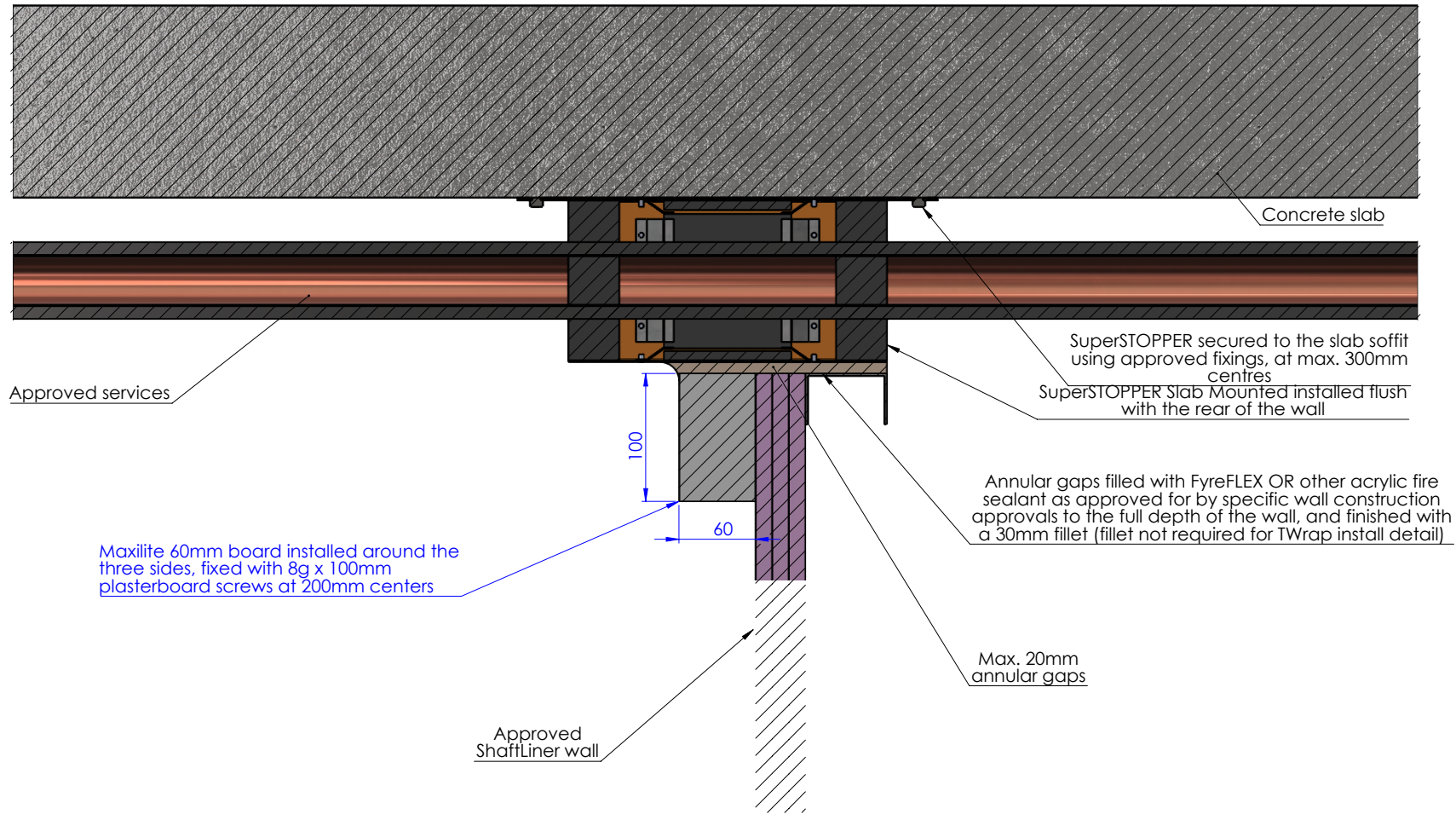
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NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)

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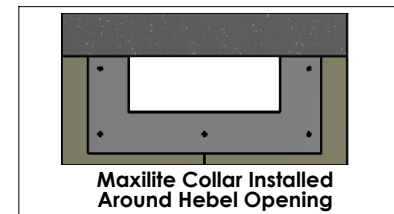
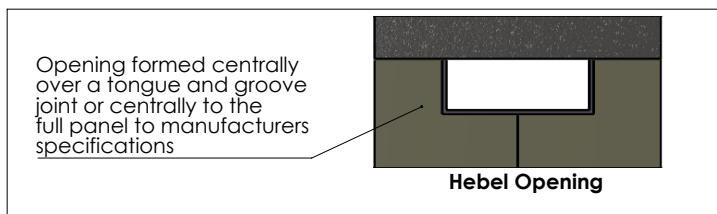
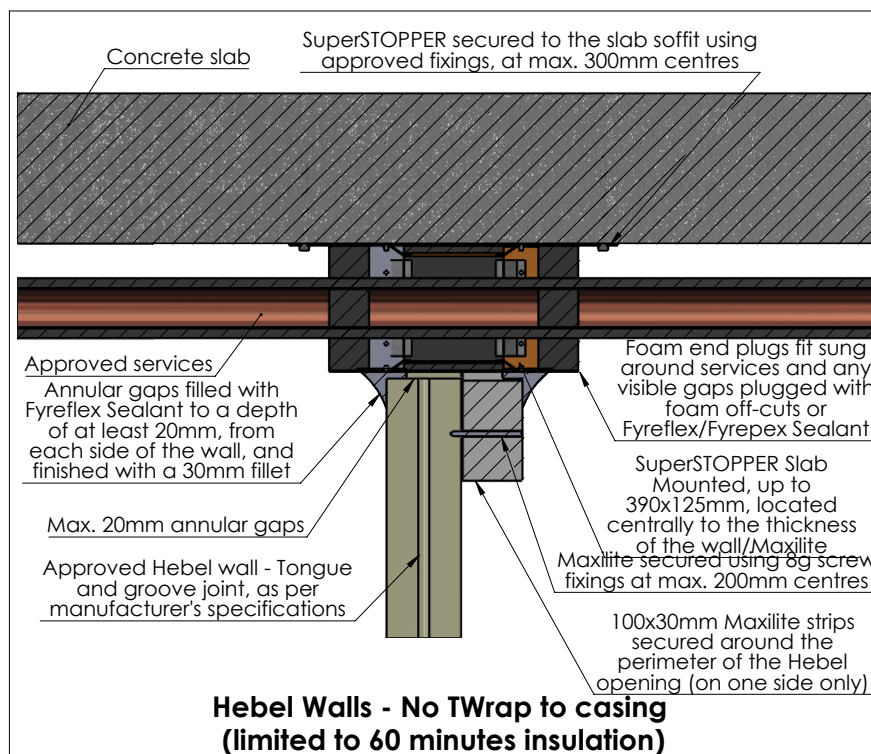
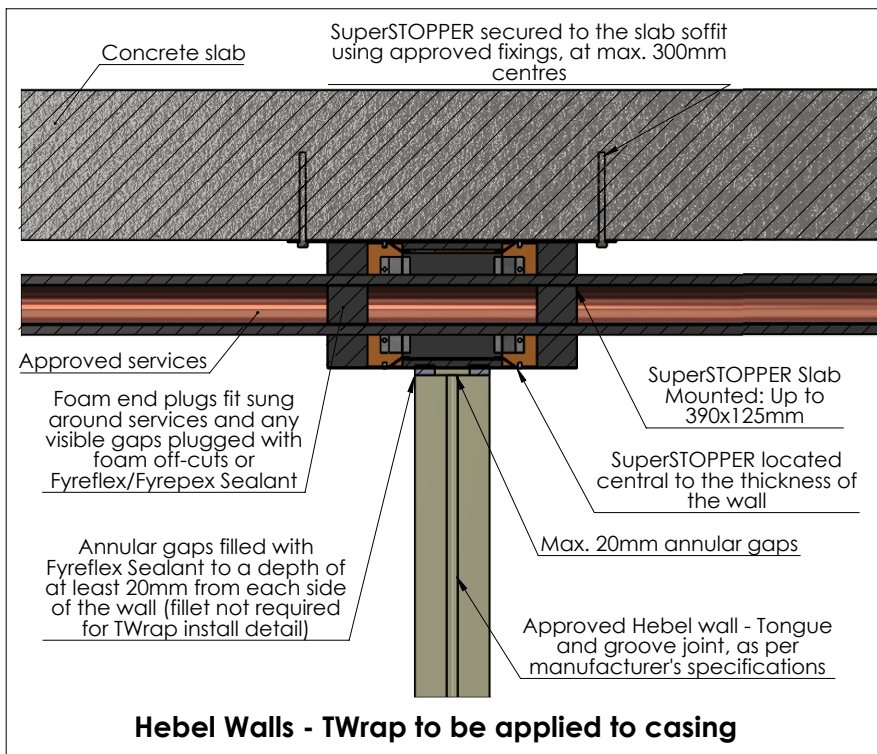
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## ShaffLiner Walls



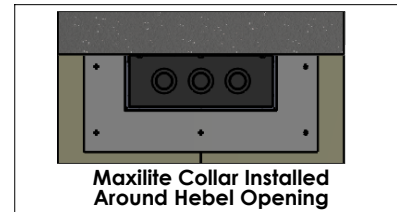
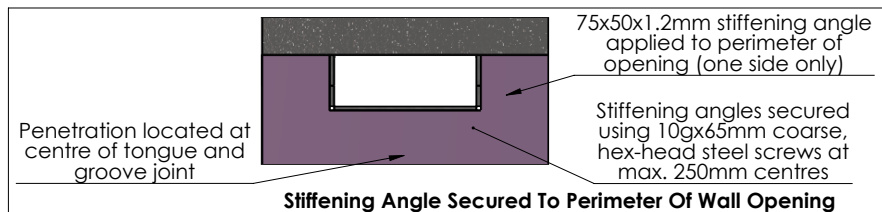
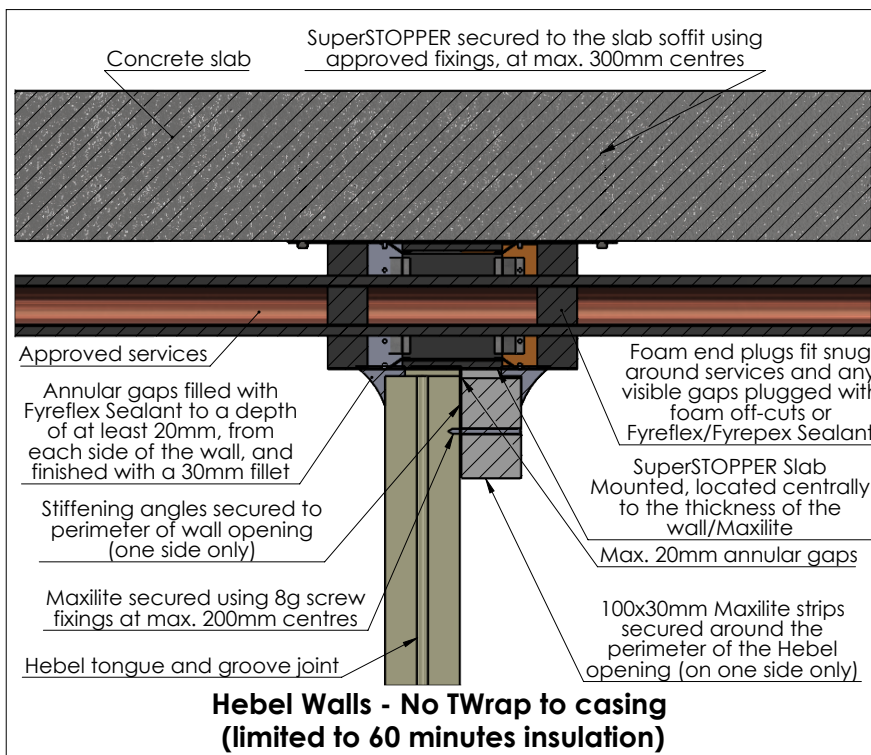
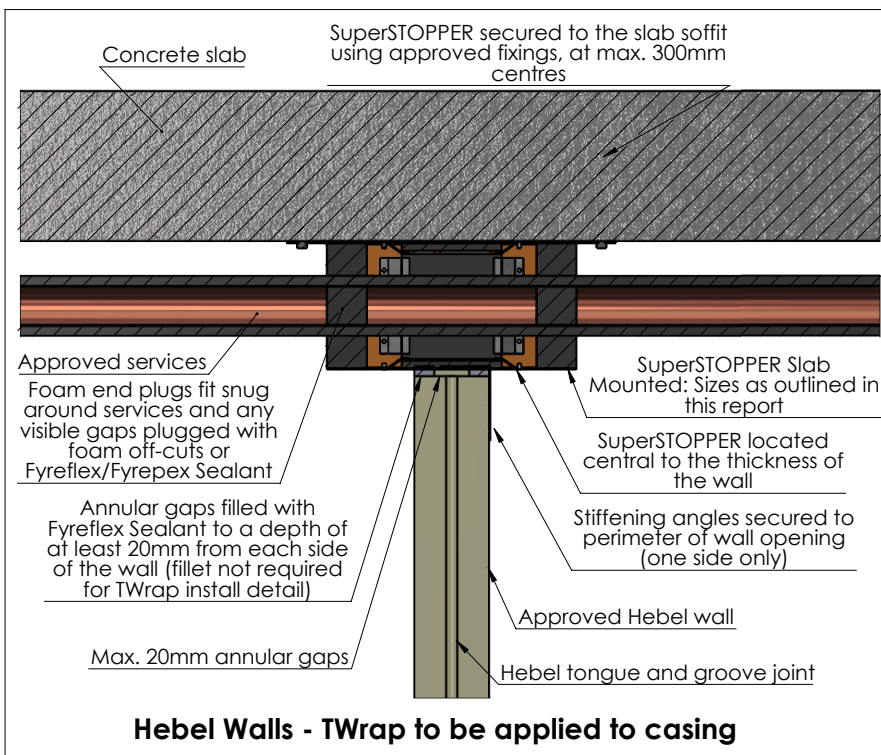
<b>Drawing Name:</b> Laminated Shaft Liner				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC				NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)
<b>Drawing No. :</b> 7	<b>Sheet:</b> 7 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT	<input type="checkbox"/> STANDARD DRAWING	<input type="checkbox"/> PROJECT DRAWING	 <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au	


## Hebel/Walsc AAC Walls - Openings up to 400x170mm



<b>Drawing Name:</b> Hebel/Walsc - Small Openings				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au			
<b>Drawing No.:</b> 8	<b>Sheet:</b> 8 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT				

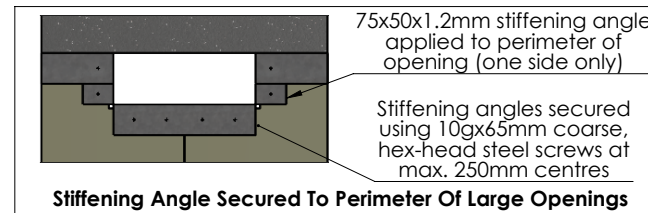
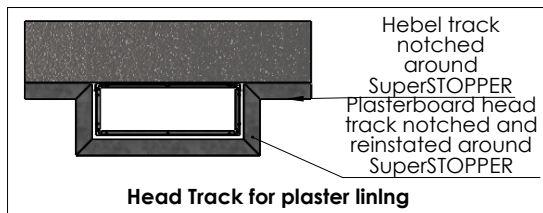
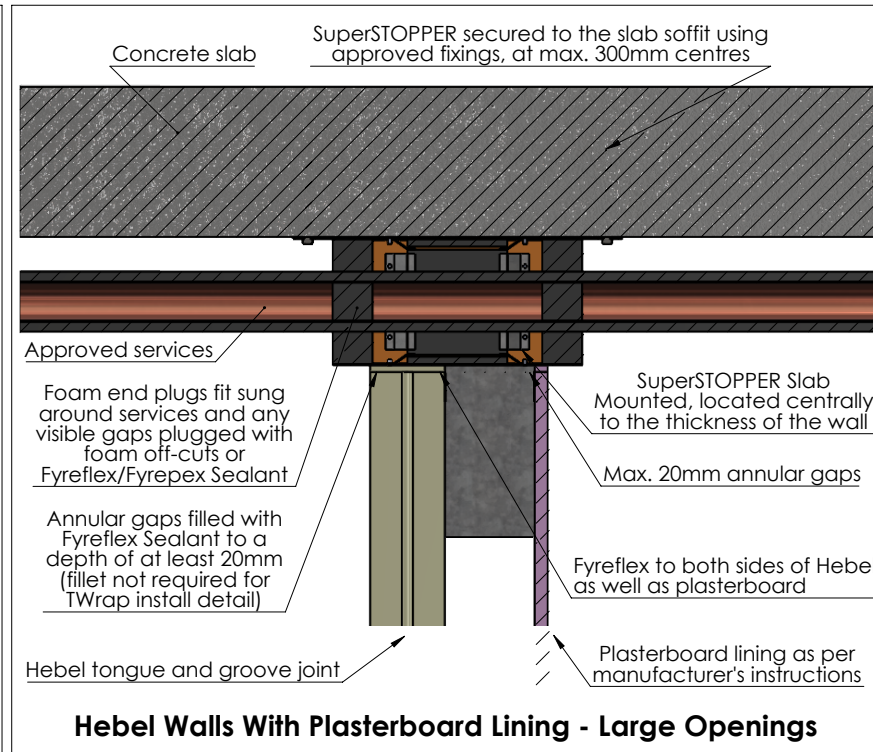
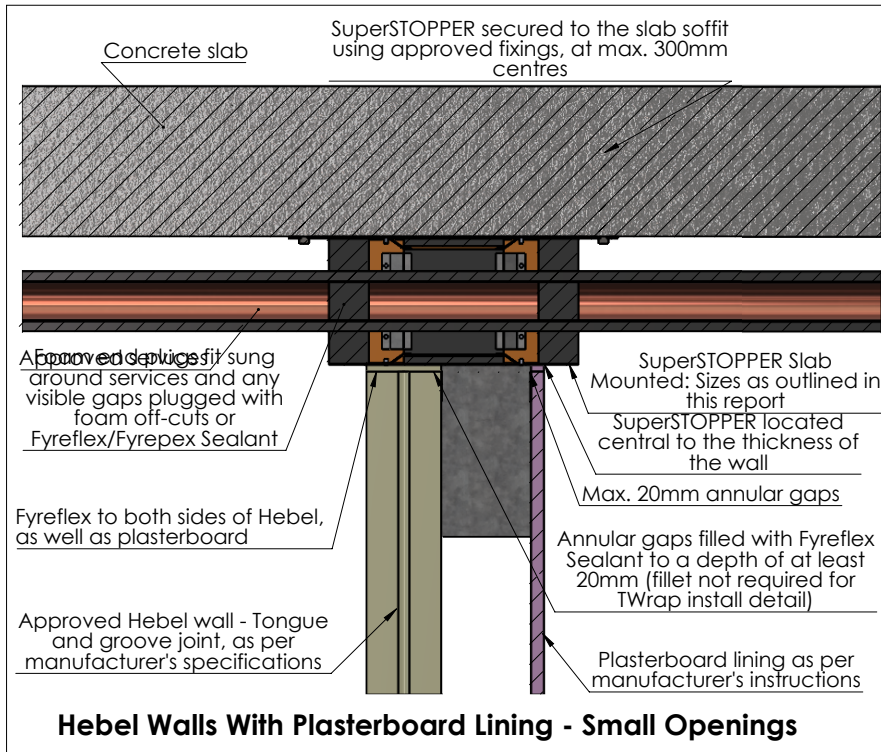
## Hebel/Walsc AAC Walls - Openings greater than 400x170mm




<b>Drawing Name:</b> Hebel/Walsc - Large Openings				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
<b>Drawing No. :</b> 9	<b>Sheet:</b> 9 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			



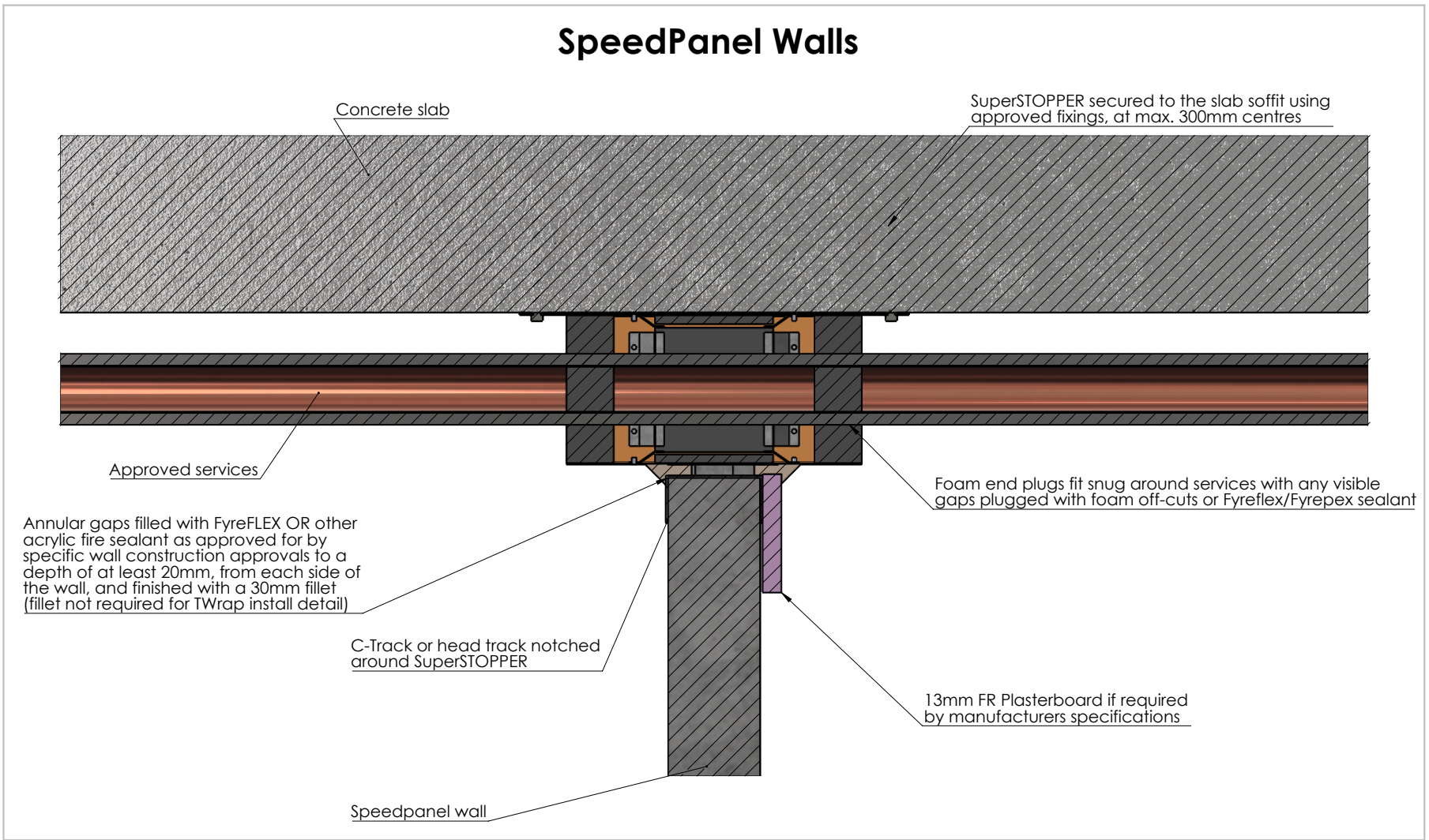
## Hebel Walls - FR Plasterboard Lining




<b>Drawing Name:</b> Hebel - Plasterboard Lining				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@fire.com.au W: www.fire.com.au			
<b>Drawing No. :</b> 10	<b>Sheet:</b> 10 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT				

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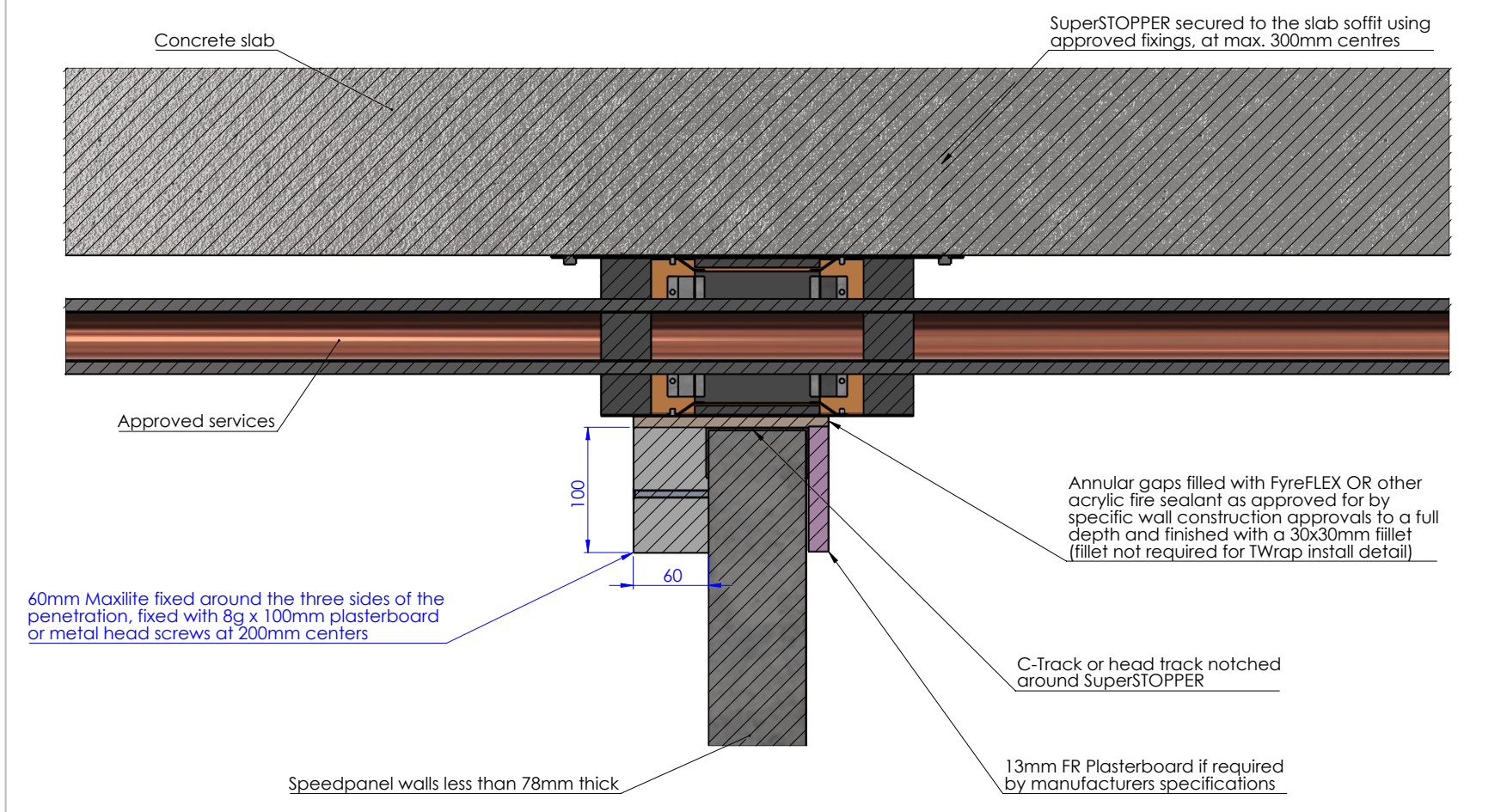
## SpeedPanel Walls




<b>Drawing Name:</b> SpeedPanel			<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS			<b>Fire resistance level:</b> SECTION T-T SCALE 1 : 3	<b>Drawn By:</b> JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au			
<b>Drawing No. :</b> 11	<b>Sheet:</b> 11 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>				

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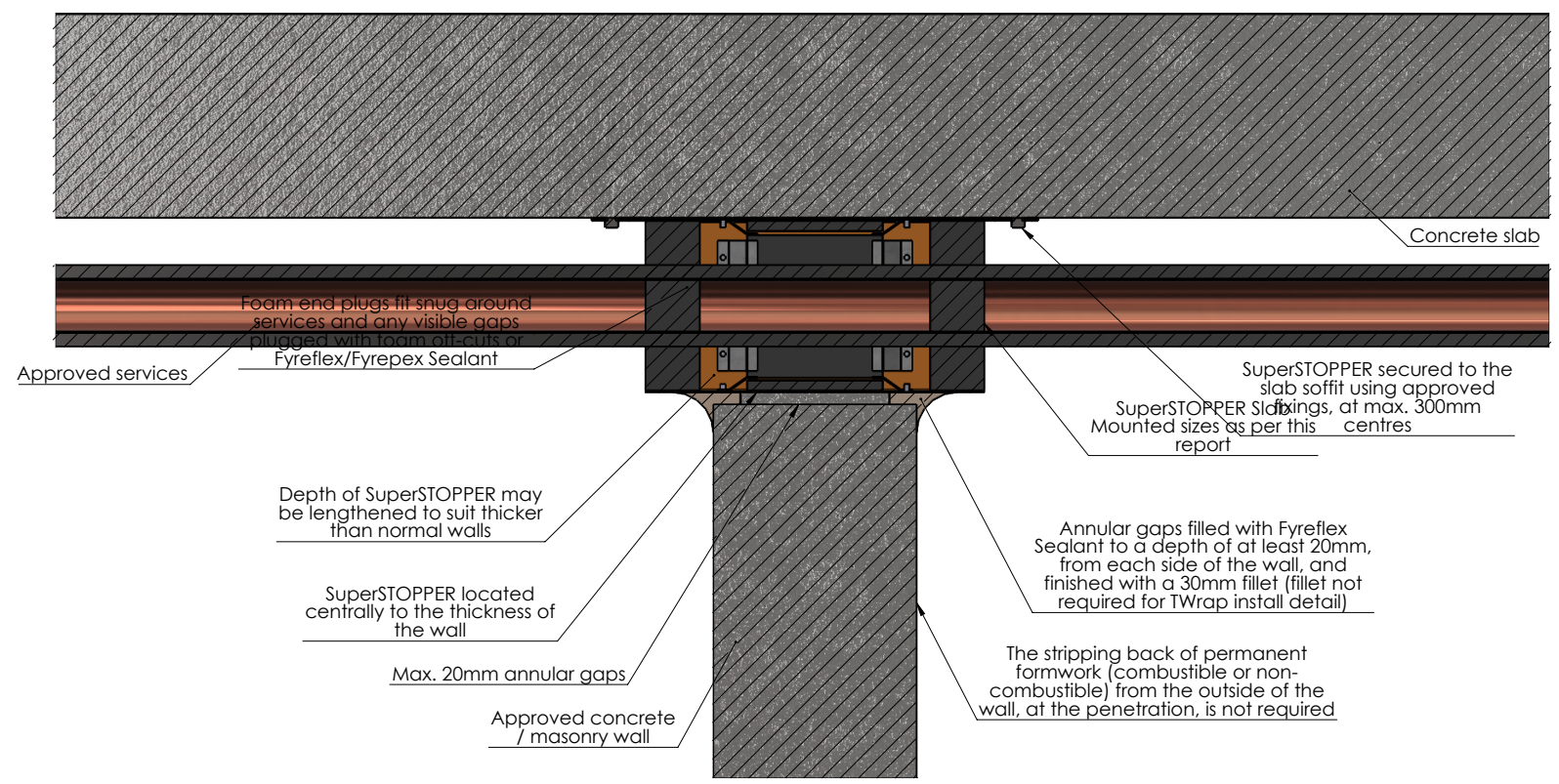
## SpeedPanel Walls Less Than 78mm Thick




<b>Drawing Name:</b> SpeedPanel <78mm				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 221 500 E: info@tfire.com.au W: www.tfire.com.au
<b>Drawing No. :</b> 12	<b>Sheet:</b> 12 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

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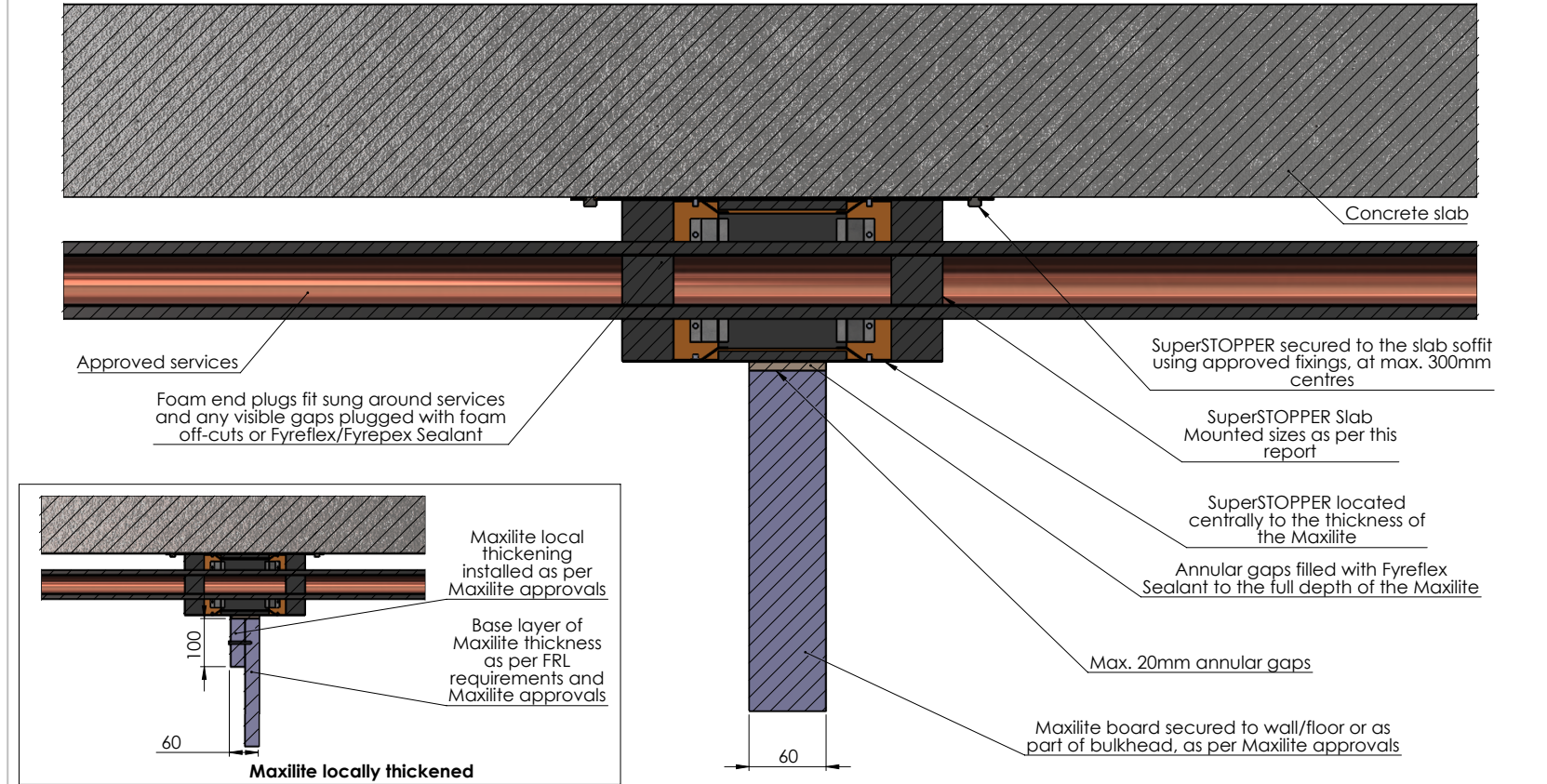
## Concrete / Masonry Walls (with or without permanent formwork)



<b>Drawing Name:</b> Concrete / Masonry				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au			
<b>Drawing No. :</b> 13	<b>Sheet:</b> 13 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT				

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## Maxilite



**Drawing Name:** Maxilite

**Project Title:** SS - DWG SLABMOUNTS

**Drawing No. :**  
14

**Sheet:**  
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**Date:**  
20/05/2024

**Scale:**  
NTS

**Test Standard:**  
AS1530.4

**Fire resistance level:**

**Based on Report No.:**

**Codes:**

**Drawn By:**  
JC

**Checked By:**  
CT

**Revision:**

**Date:**

**No.:**

**NOTICE:**

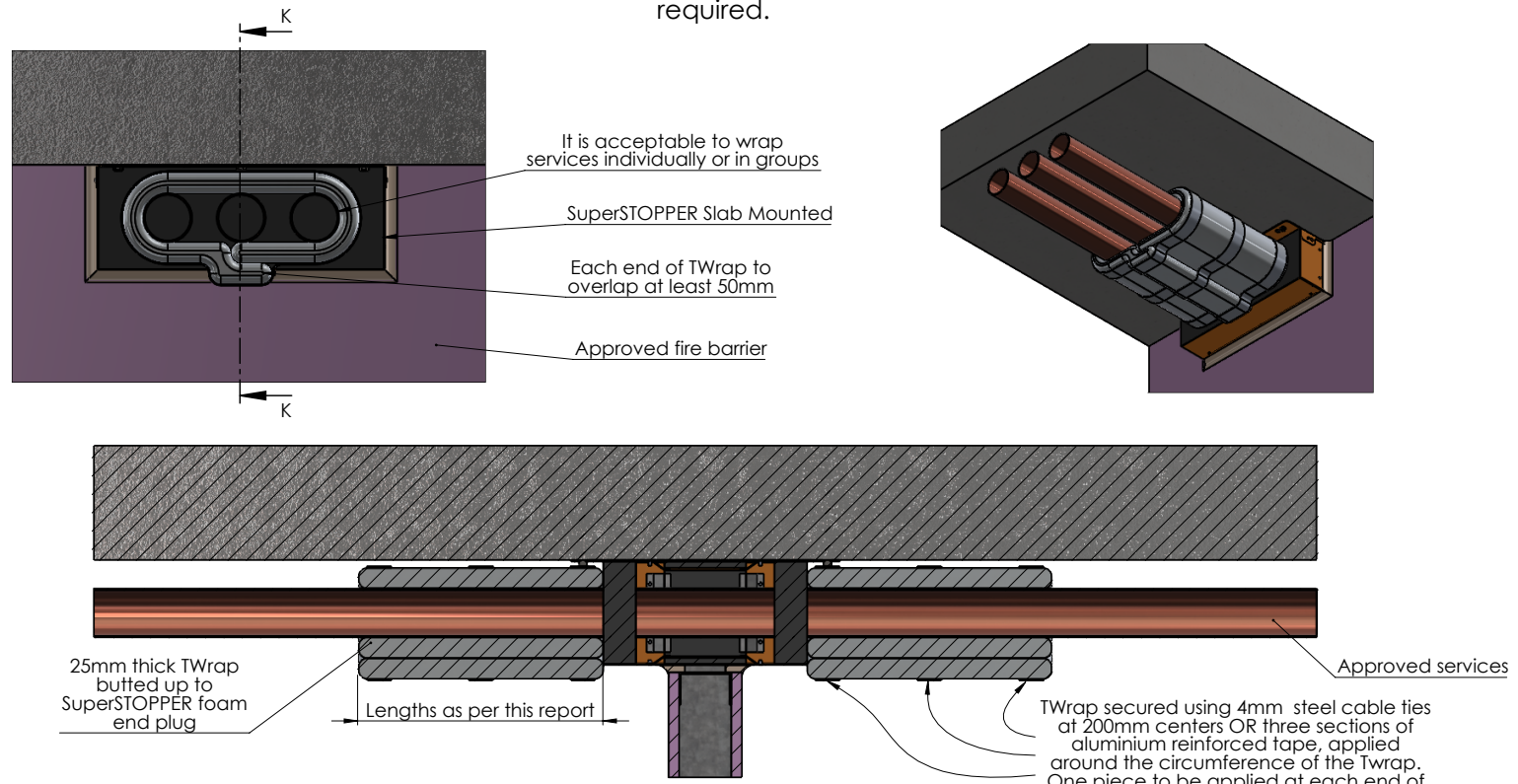
NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)

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## TWrap - Services Wrap

Where the SuperSTOPPER configuration doesn't achieve full insulation in a given fire barrier, TWrap can be applied to individual or groups of services in order to increase their insulation rating up to -/XXX/120, as required.

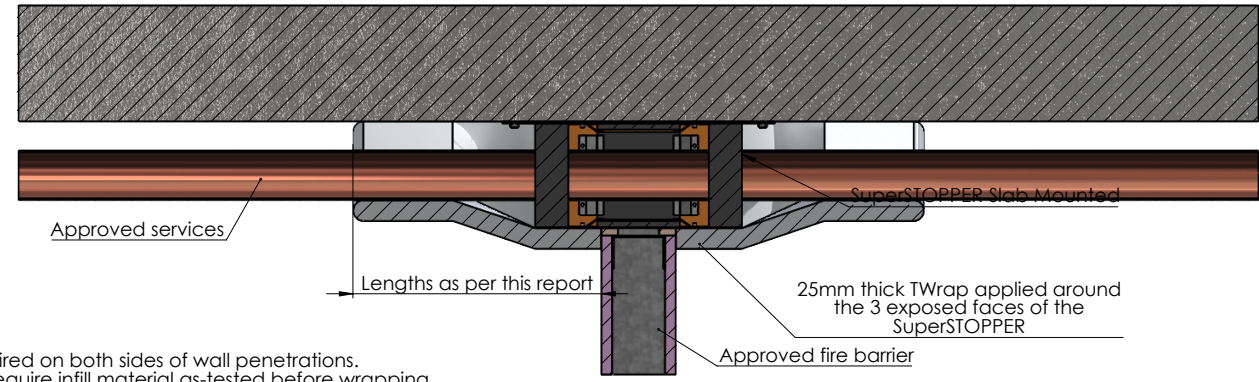
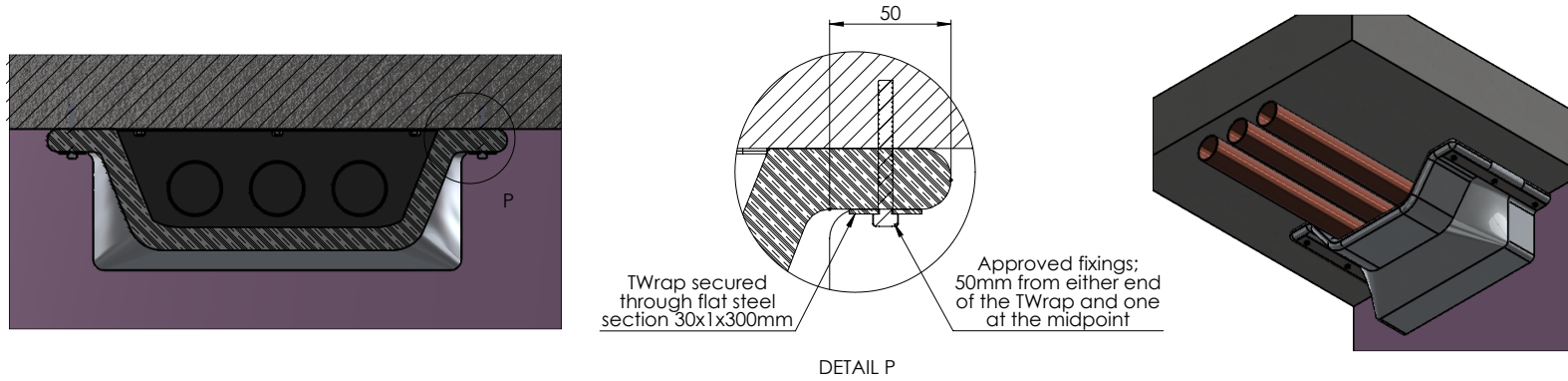


- NOTES:**
- TWrap is required on both sides of wall penetrations.
  - Cable trays require infill material as-tested before wrapping


<b>Drawing Name:</b> TWrap - Services Wrap				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au			
<b>Drawing No. :</b> 15	<b>Sheet:</b> 15 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT				

## TWrap - 3-Sided Wrap

Where the SuperSTOPPER configuration does not achieve full insulation in a given fire barrier, TWrap will need to be applied to the SuperSTOPPER casing and services in order to increase their insulation rating up to -/XXX/120.

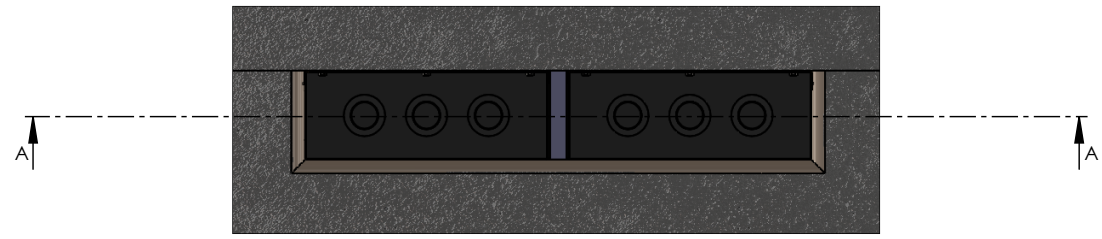


- NOTES:**
- TWrap is required on both sides of wall penetrations.
  - Cable trays require infill material as-tested before wrapping

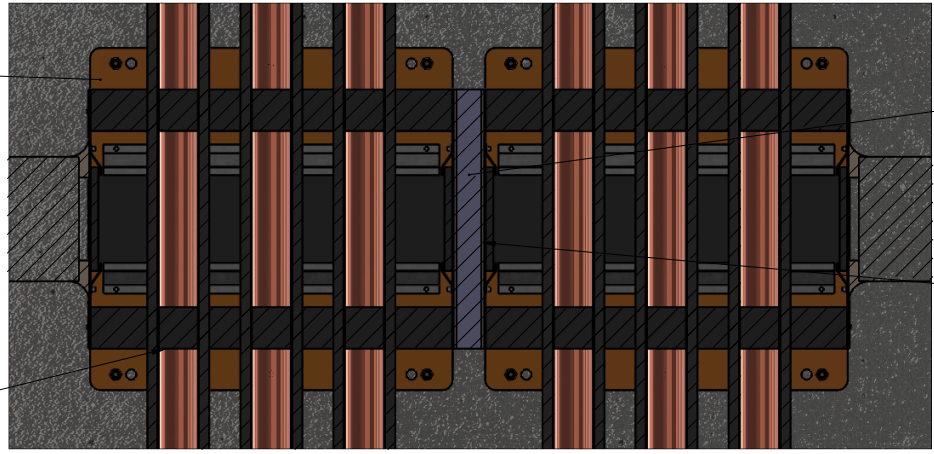
<b>Drawing Name:</b> TWrap - 3-Sided Wrap				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
<b>Drawing No. :</b> 16	<b>Sheet:</b> 16 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

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## Stacked - Horizontal




SuperSTOPPER SlabMounts stacked side by side, separated by section of 30mm Maxilite



30mm Maxilite board

Fyreflex Sealant applied between the Maxilite and SuperSTOPPER casing

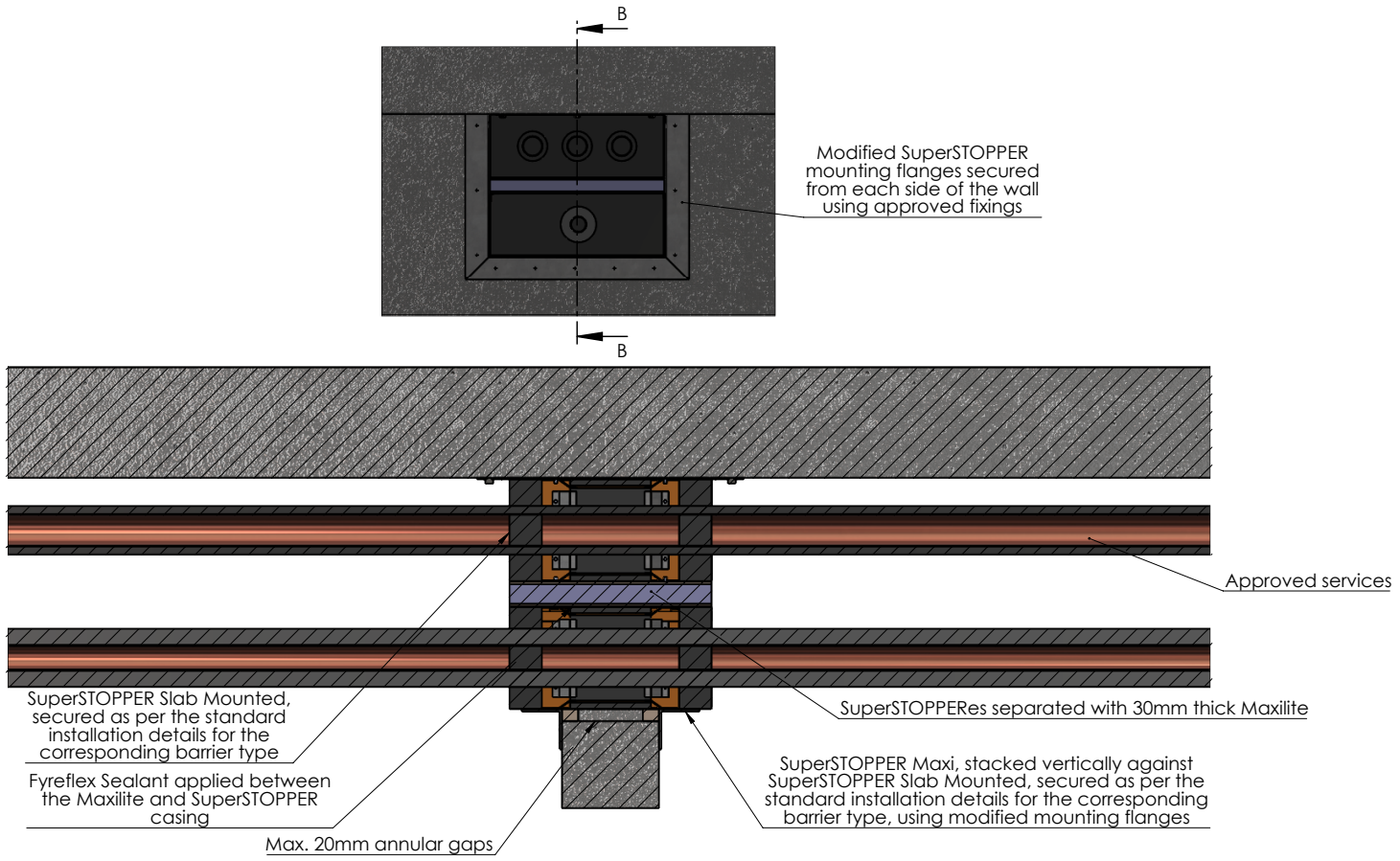
Aside from the Maxilite stacking detail, the SuperSTOPPER SlabMounts are to be installed as per the standard details for the corresponding barrier type


<b>Drawing Name:</b> Stacked - Horizontal				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
<b>Drawing No. :</b> 17	<b>Sheet:</b> 17 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			



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### Stacked - Vertical

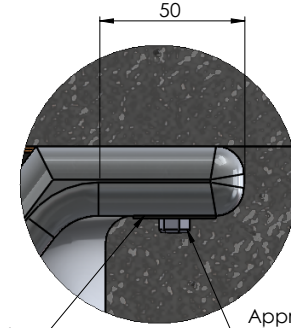
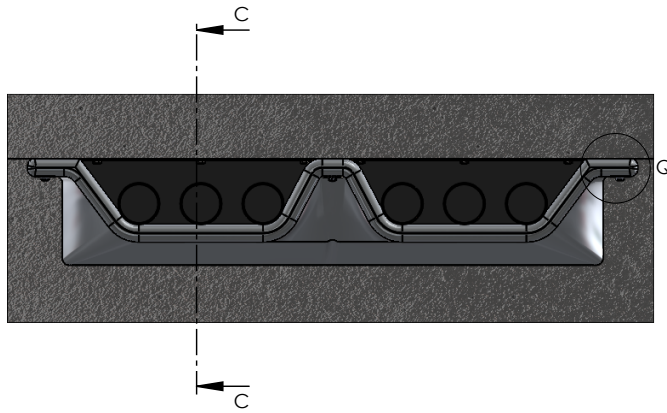


<b>Drawing Name:</b> Stacked - Vertical				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
<b>Drawing No. :</b> 18	<b>Sheet:</b> 18 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

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## TWrap - Stacked (Horizontal)

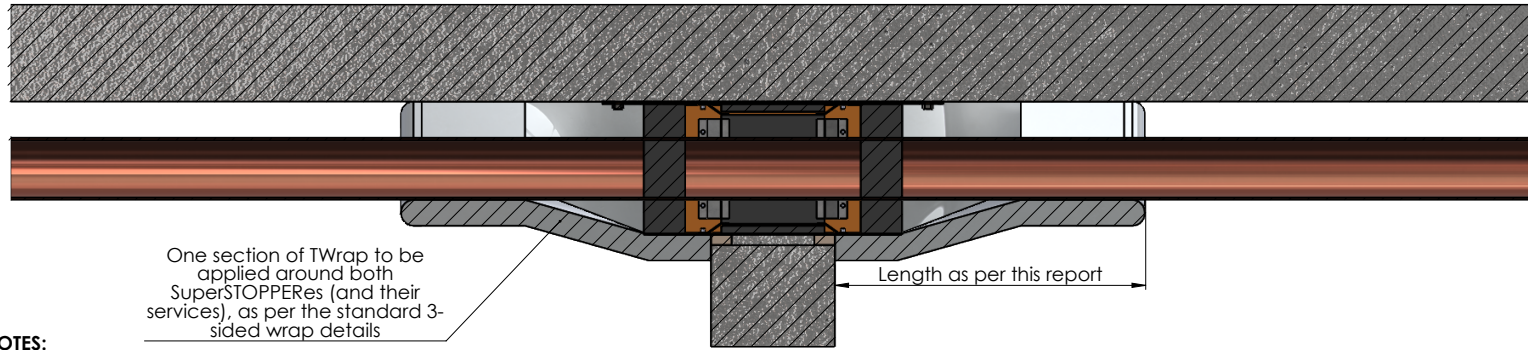
- TWrap detail required on each side of wall penetrations and top side of floors



TWrap secured through flat steel section 30x1x300mm

Approved fixings; 50mm from either end of the TWrap and one at the midpoint

DETAIL Q



One section of TWrap to be applied around both SuperSTOPPERes (and their services), as per the standard 3-sided wrap details

Length as per this report

**NOTES:**

- TWrap is required on both sides of wall penetrations.
- Cable trays require infill material as-tested before wrapping

**Drawing Name:** Stacked (Horizontal) - TWrap

**Test Standard:**  
AS1530.4

**Codes:**

**Revision:**

**Date:**

**No.:**

**NOTICE:**

**Project Title:** SS - DWG SLABMOUNTS

**Fire resistance level:**

**Drawn By:**  
JC

NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)

**Drawing No. :**  
19

**Sheet:**  
19 of 21

**Date:**  
20/05/2024

**Scale:**  
NTS

**Based on Report No.:**

**Checked By:**  
CT

- STANDARD DRAWING  
 PROJECT DRAWING

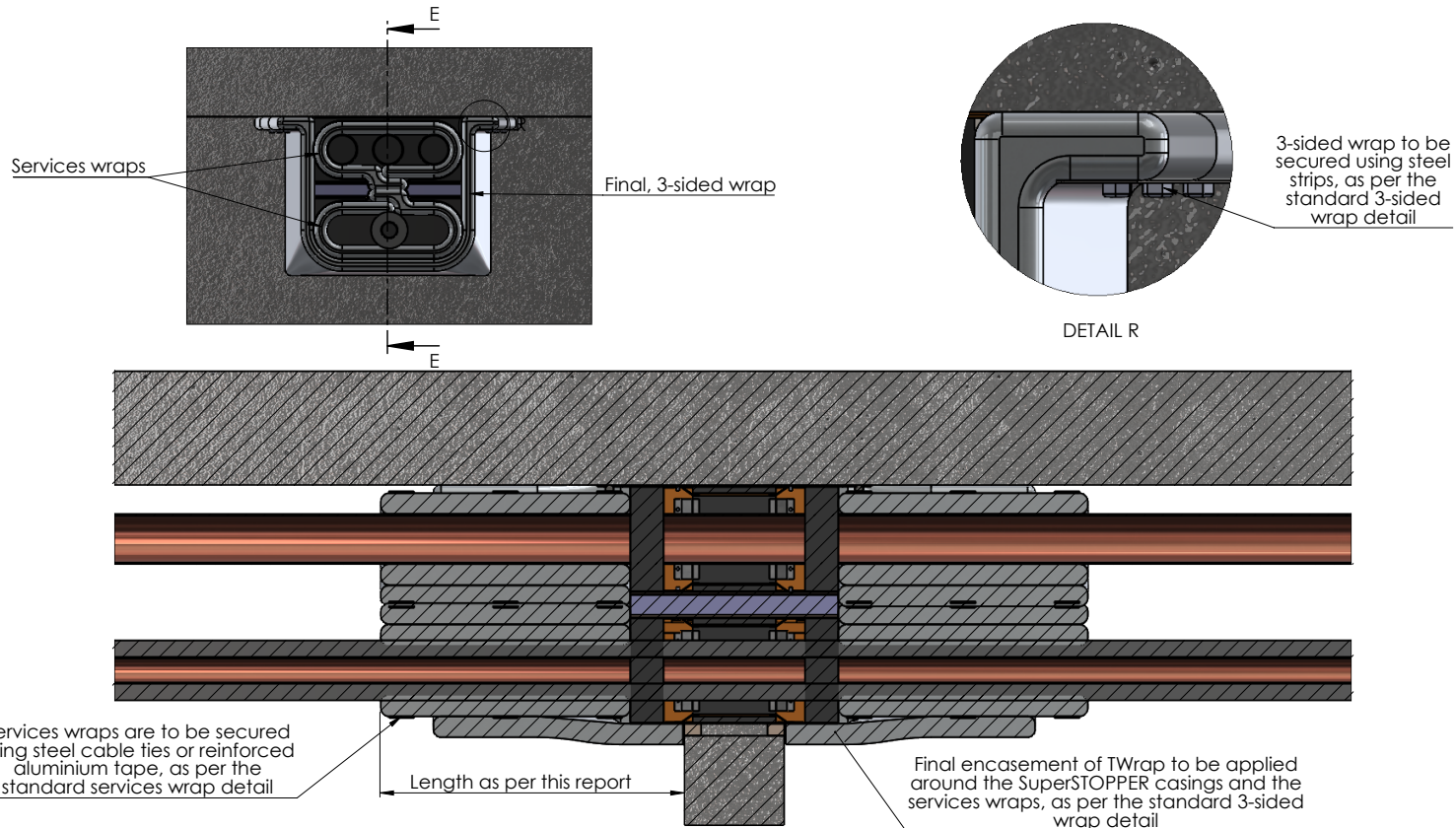


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## TWrap - Stacked (Vertical)

- TWrap detail required on each side of wall penetrations



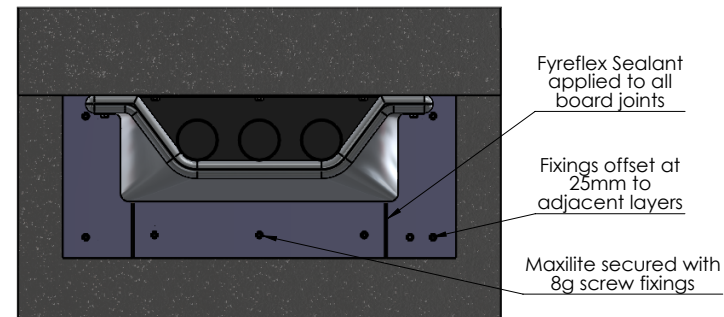
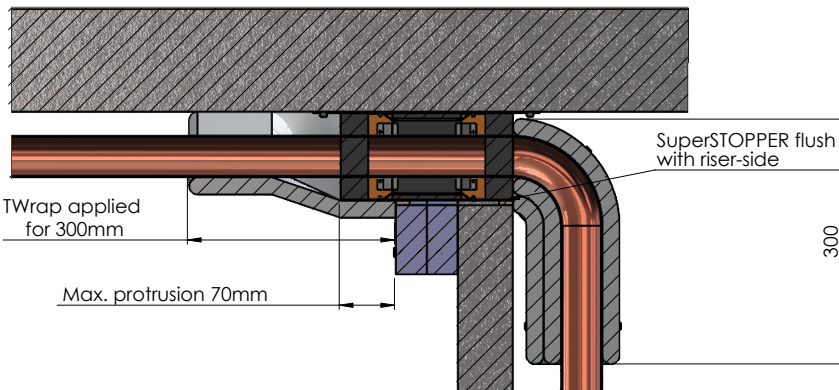
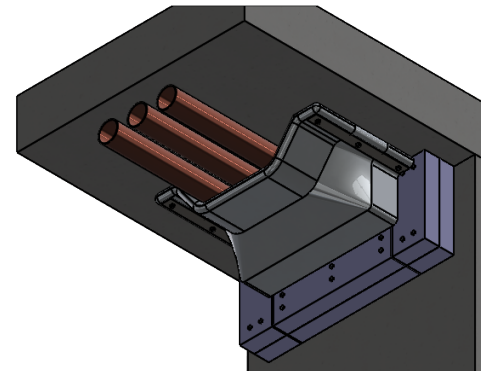
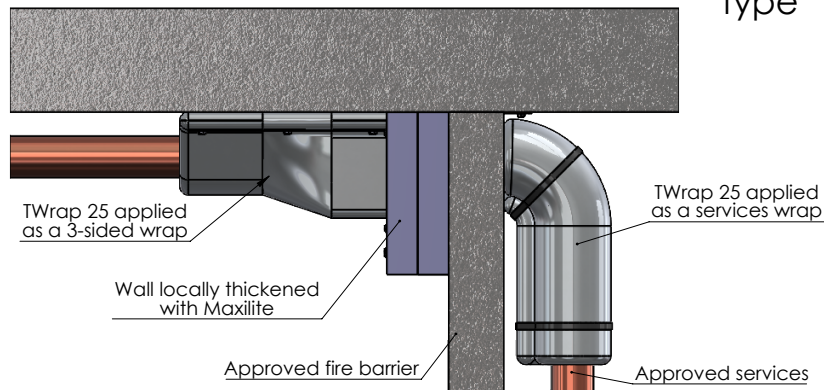
**NOTES:**

- TWrap is required on both sides of wall penetrations.
- Cable trays require infill material as-tested before wrapping


<b>Drawing Name:</b> Stacked (Vertical) - TWrap				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au			
<b>Drawing No. :</b> 20	<b>Sheet:</b> 20 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT				

### Riser Shaft Detail - SuperSTOPPER Slab Mounted installed with access from one side

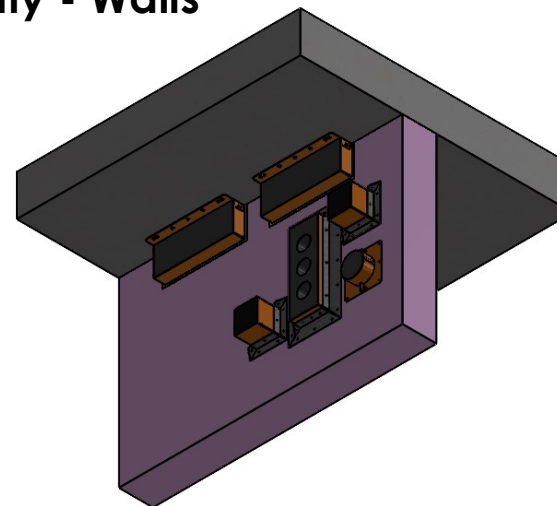
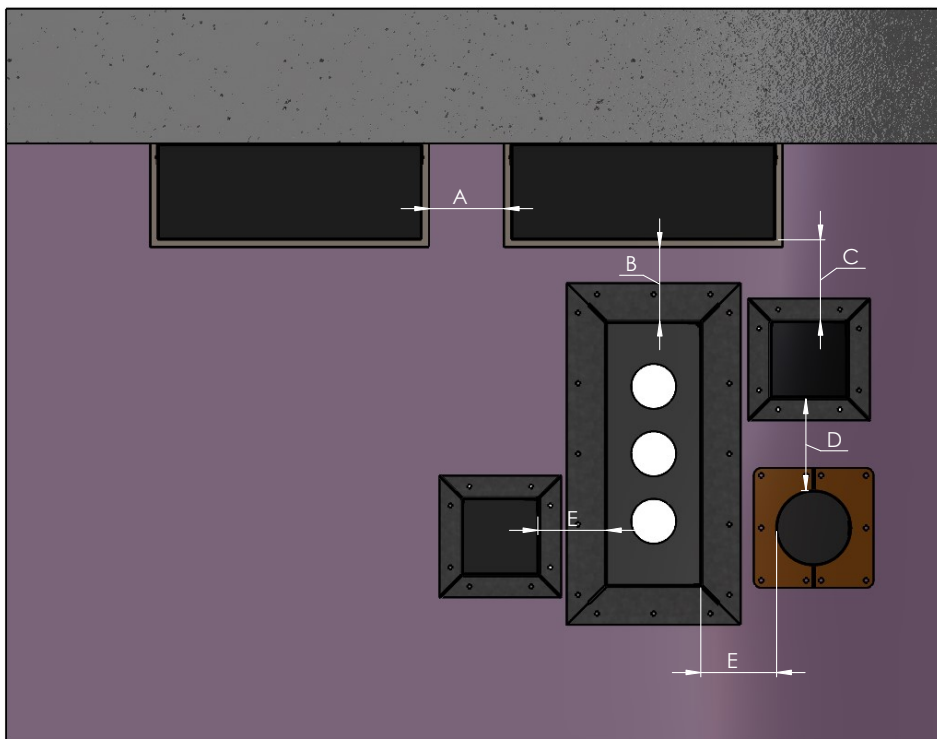
SuperSTOPPER Slab Mounted to be installed, offset from the thickness of the fire barrier, as per the standard details for the corresponding barrier type



**NOTES:**  
• Cable trays require infill material as-tested before wrapping

<b>Drawing Name:</b> Riser Shaft Detail				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SS - DWG SLABMOUNTS				<b>Fire resistance level:</b>	<b>Drawn By:</b> JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  <b>Trafalgar Head Office:</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au			
<b>Drawing No. :</b> 21	<b>Sheet:</b> 21 of 21	<b>Date:</b> 20/05/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> CT				

## SuperSTOPPER In Close Proximity - Walls



Key	SuperSTOPPER Configuration	Minimum Separation Requirement (between holes in wall)
A	SlabMount to SlabMount	200mm of barrier between openings
B	SlabMount to Maxi	100mm of barrier between openings
C	SlabMount to Mini	100mm of barrier between openings
D	Mini to Mini OR Maxi to Maxi	100mm of barrier between openings
E	Mini to Maxi	100mm of barrier between openings

**NOTES:**

- Barrier must be designed or approved for the openings/spacing required.
- Double-Stacking Maxi/Slab-Mount boxes allows closer penetrations.
- For separation distances between non-Superstopper penetrations contact Trafalgar PRIOR to installation.

**Drawing Name:** Penetration Separation - Walls

**Test Standard:**  
AS1530.4

**Codes:**

**Revision:**

**Date:**

**No.:**

**NOTICE:**

**Project Title:** SuperSTOPPER Install Variations

**Fire resistance level:**

**Drawn By:**  
JC

NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)

**Drawing No. :**  
3

**Sheet:**  
3 of 9

**Date:**  
14/05/2024

**Scale:**  
NTS

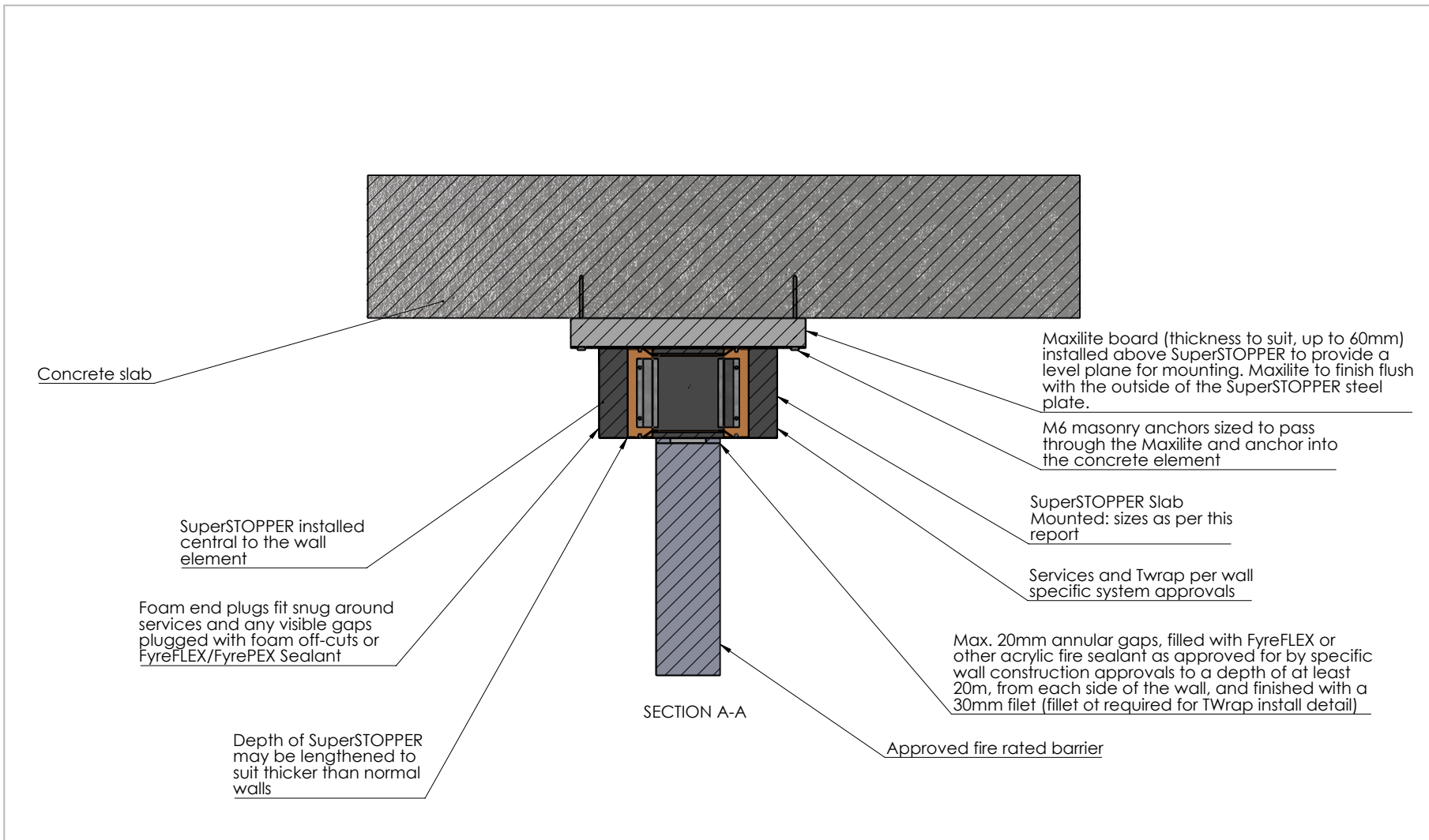
**Based on Report No.:**


**Checked By:**  
CT

STANDARD DRAWING  
 PROJECT DRAWING

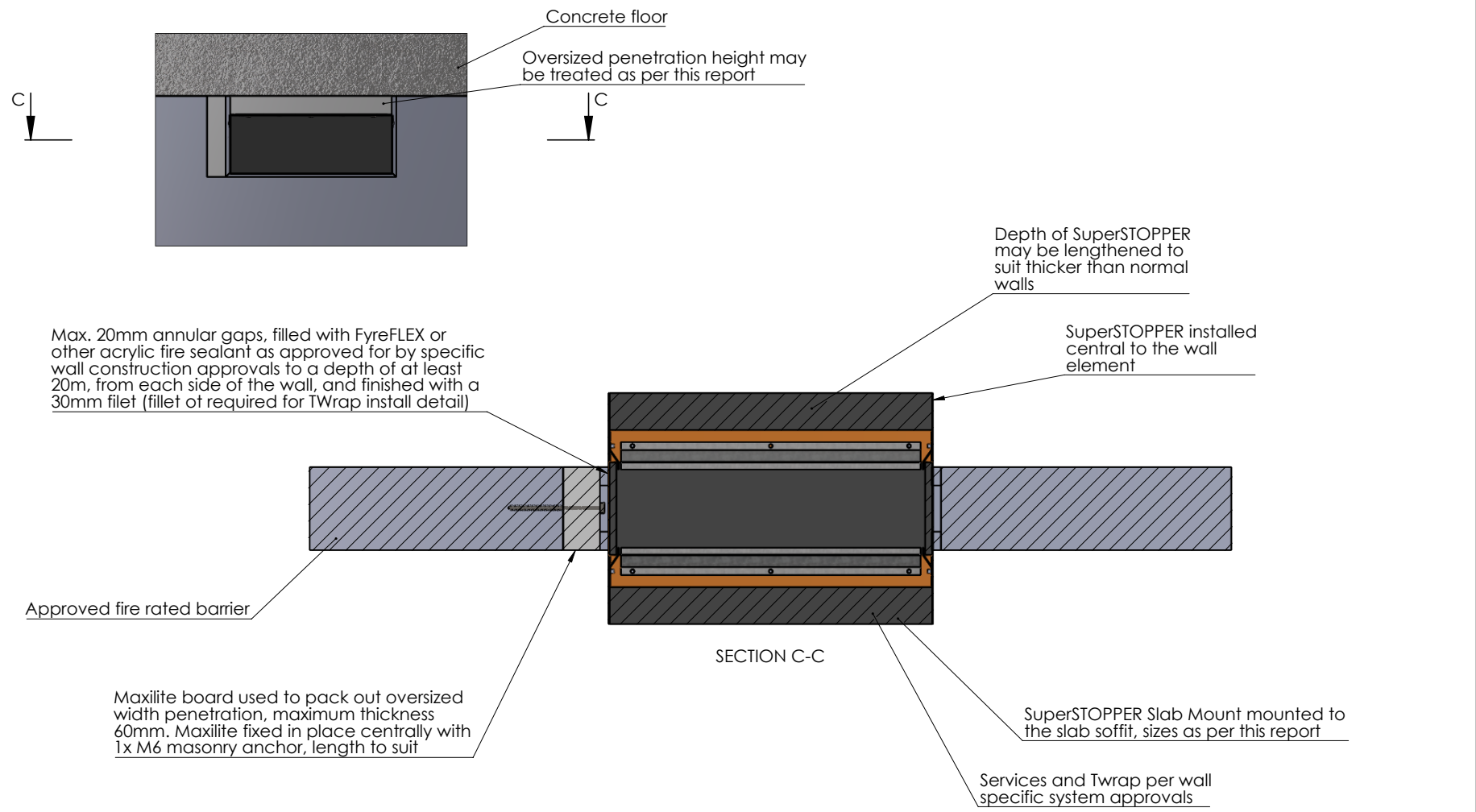
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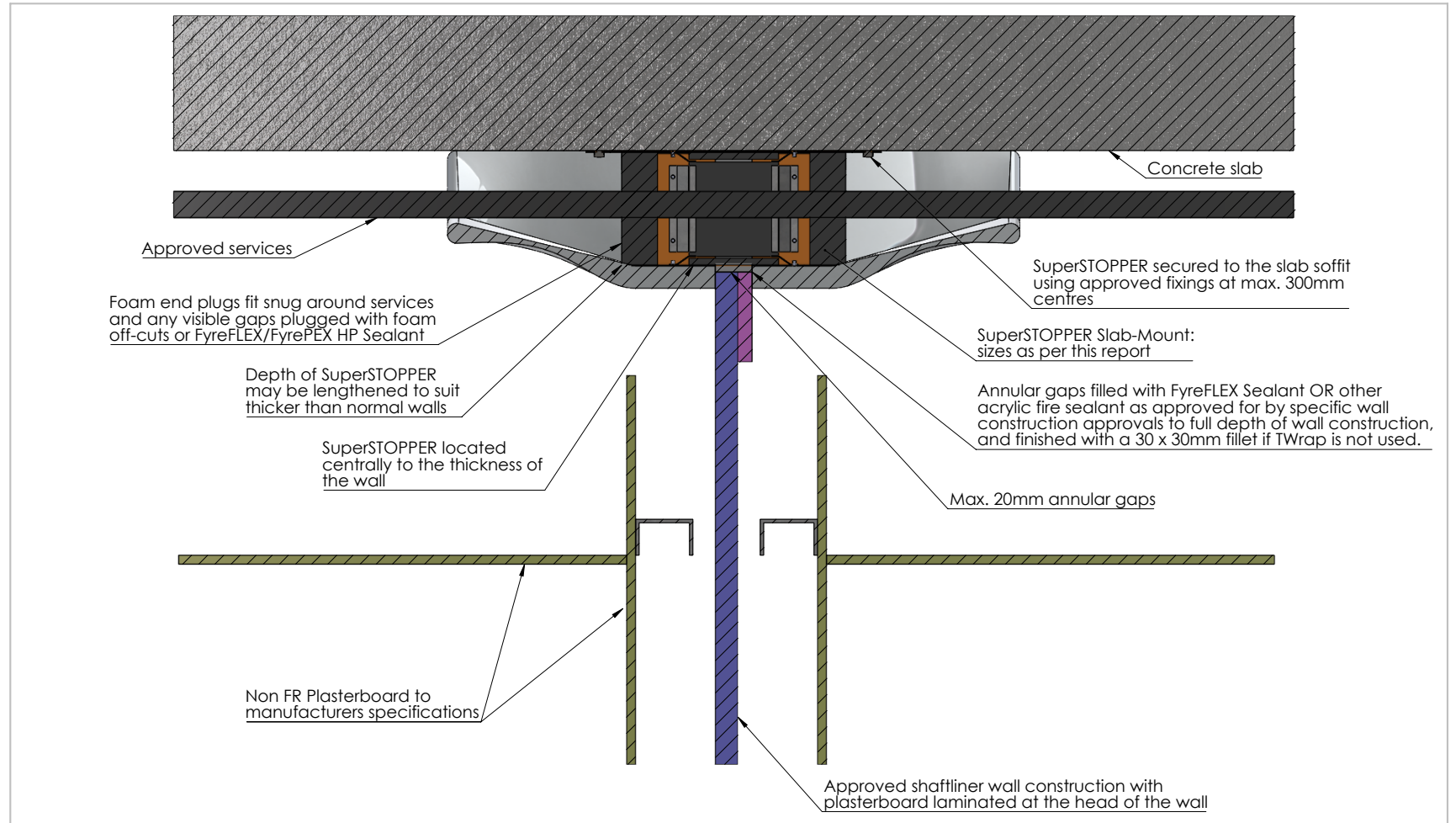



<b>Drawing Name:</b> Oversized Penetration - Height				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SuperSTOPPER Slab Mounted - Generic Install				<b>Fire resistance level:</b>	<b>Drawn By:</b> SM	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>			
<b>Drawing No. :</b> 1	<b>Sheet:</b> 1 of 2	<b>Date:</b> 5/30/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> JH	<input type="checkbox"/> STANDARD DRAWING	 <p><b>TRAFALGAR FIRE</b>  <small>Trafalgar Head Office:          PO BOX 545          Chester Hill NSW 2162          T: 1800 888 714          F: 1800 201 500          E: technical@tgroup.com.au          W: www.tfire.com.au</small></p>		
<input type="checkbox"/> PROJECT DRAWING									

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<b>Drawing Name:</b> Oversized penetration - Width				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SuperSTOPPER Slab Mounted - Generic Install				<b>Fire resistance level:</b>	<b>Drawn By:</b> SM	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>			
<b>Drawing No. :</b> 2	<b>Sheet:</b> 2 of 2	<b>Date:</b> 5/30/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> JH	<input type="checkbox"/> STANDARD DRAWING	 <b>TRAFALGAR FIRE</b> <small>Trafalgar Head Office: PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: technical@tgroup.com.au W: www.tfire.com.au</small>		
<input type="checkbox"/> PROJECT DRAWING									



<b>Drawing Name:</b> Head of Party Wall Penetration				<b>Test Standard:</b> AS1530.4	<b>Codes:</b>	<b>Revision:</b>	<b>Date:</b>	<b>No.:</b>	<b>NOTICE:</b>
<b>Project Title:</b> SuperSTOPPER Slab-Mounted - Generic Install				<b>Fire resistance level:</b>	<b>Drawn By:</b> SM	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>			
<b>Drawing No. :</b> 1	<b>Sheet:</b> 1 of 1	<b>Date:</b> 5/30/2024	<b>Scale:</b> NTS	<b>Based on Report No.:</b>	<b>Checked By:</b> JH	<input type="checkbox"/> STANDARD DRAWING	 <p><b>TRAFALGAR FIRE</b> PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: technical@group.com.au W: www.tfire.com.au</p>		
						<input type="checkbox"/> PROJECT DRAWING			