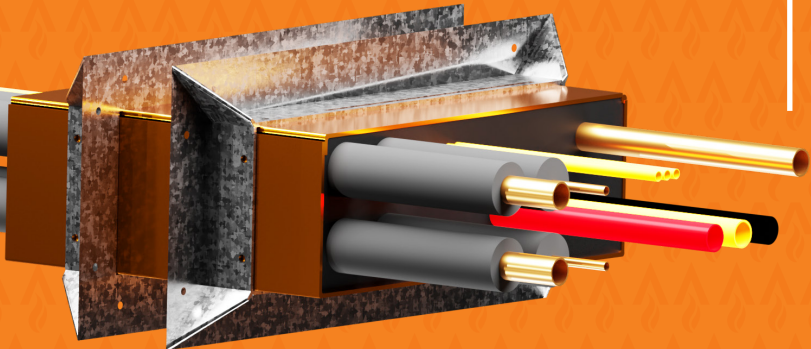
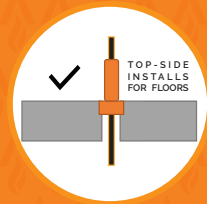


SuperSTOPPER® Maxi



The SuperSTOPPER® Maxi's is a system designed to prevent the spread of fire through service penetrations, in the smallest footprint possible. The SuperSTOPPER® has been tested rigorously with a range of mixed service types and bundles in common wall and floor types and is one of the most fire tested products in the world, with industry leading FRL's of up to -/240/240 (system specific).



Click to Watch Installation Video



KEY FEATURES

- Allows multiple and mixed services to pass through one opening
- Mixed services approved in any quantity or configuration
- Retro-fit or new construction
- Space saving, eliminates the need for 200mm separation between adjacent services
- Tested in Hebel®, single/ double layer plasterboard, Speedpanel® and many other common wall/floor systems
- Fire tested in independent laboratories
- Thoroughly tested to AS1530.4-2014
- No need to frame/line plasterboard wall penetrations

APPLICATIONS

Electricians	Power Data cables Conduits
Plumbers	Steel and Copper pipes PVC pipes PEX pipes PEX-AL-PEX pipes
HVAC&R	Insulated pipes
Active Fire	Sprinkler pipes Fire cables

TRADES

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SuperSTOPPER® Maxi and Mini

WHAT IS SuperSTOPPER® MAXI/MINI?

Trafalgar Fire's SuperSTOPPER® Maxi & Mini are an intumescent lined product designed to prevent the spread of fire through service penetrations. Think of the SuperSTOPPER® Range as fire rated holes, and as a fire takes hold the intumescent material expands to close off the penetration, forming a tight seal around the services and crushing off plastic pipes. Intumescent foam plugs are also fitted, giving the SuperSTOPPER® superior reliability, smoke leakage and acoustic properties, and the ability to allow for adds, moves and changes.

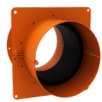
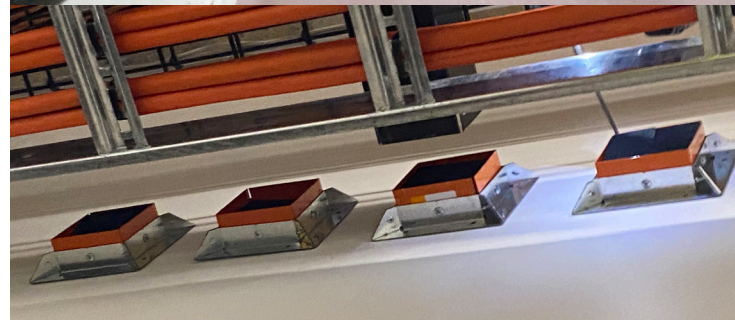
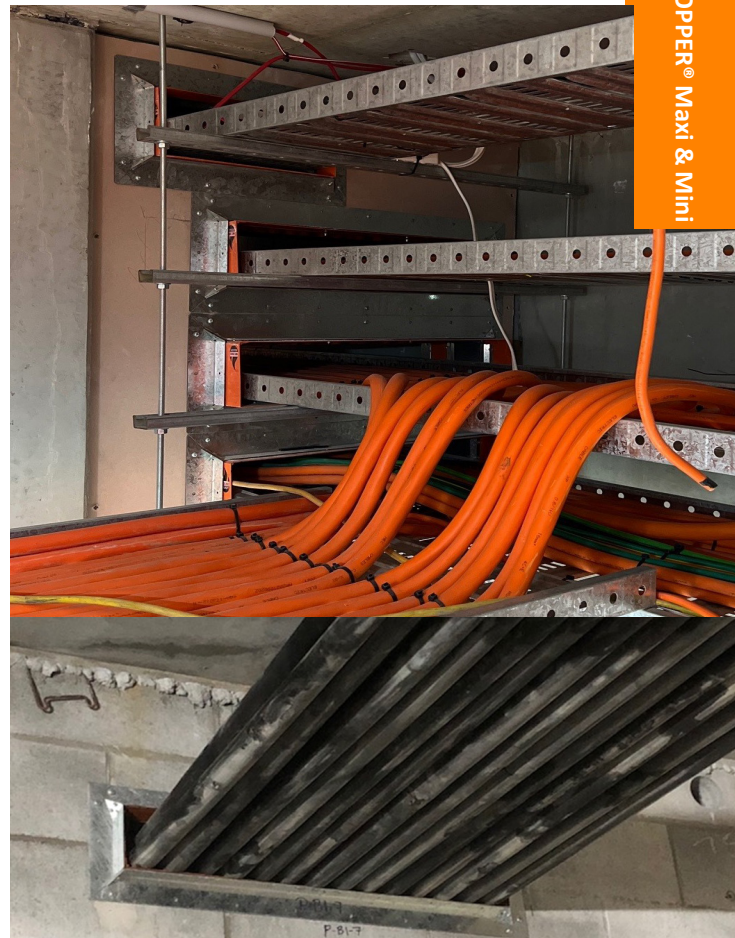
SuperSTOPPER® Maxi and Mini's are fire tested for multiple and mixed service types, which remove the need to separate service penetrations such that all contractors can run their services through the one penetration.

The SuperSTOPPER® Maxi and Mini systems come in various sizes to suit most applications and can be used in conjunction with Trafalgar Fire's FyreBOARD Maxilite® bulkhead and penetration systems.

APPLICATIONS

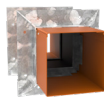
SuperSTOPPER® Maxi and Mini systems are suitable for use in any building where penetrations are made through fire rated plasterboard, Speedpanel®, Hebel®, Walsc®, Pronto Panel, FyreBOARD Maxilite®, masonry/concrete walls and concrete floors. They have been tested and approved for the following services:

- Electrical (copper and aluminium) cables and cable trays
- Data and communication cables
- Steel and copper pipes
- Pair coil and CHW pipes (copper and PEX)
- Heat trace cables
- CPVC sprinkler pipes
- Small conduits
- PVC pipes (floors only)
- PEX and Gas PEX-AL-PEX



SuperSTOPPER
CIRCULAR

[Click Here](#)



SuperSTOPPER
SQUARE MINI

[Click Here](#)

FyreFLANGE FOR SuperSTOPPER® Maxi and Mini

WHAT IS FYREFLANGE?

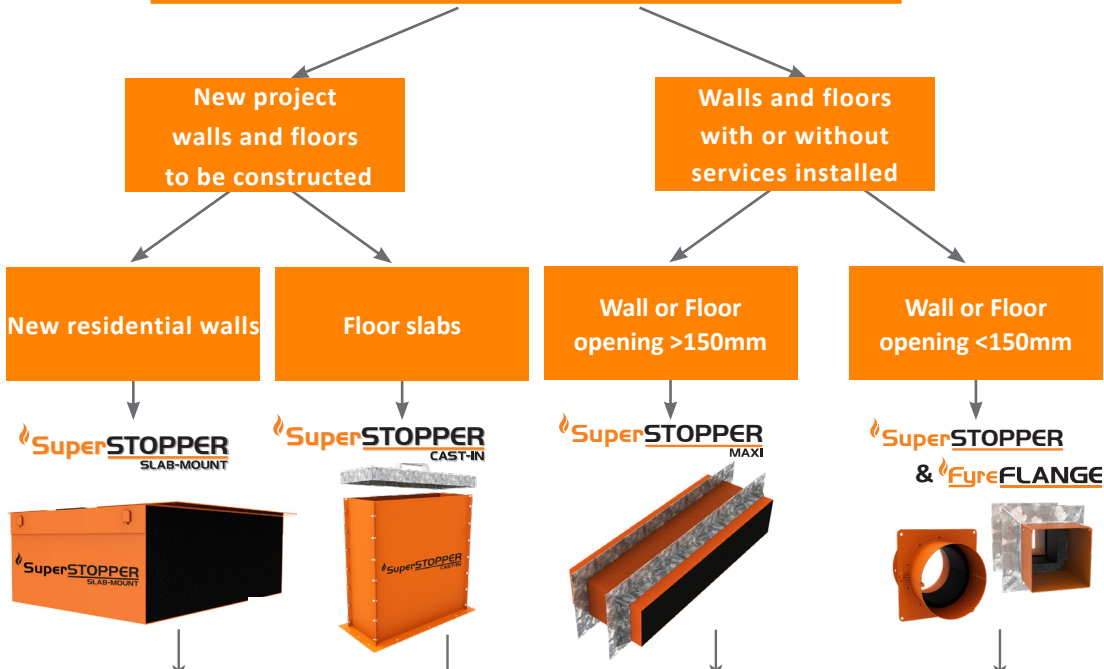
Every SuperSTOPPER® Maxi or Mini system is now supplied with the updated FyreFLANGE for easy mounting to cover larger core holes and openings. The latest testing allows for annular gaps up to 20mm around the SuperSTOPPER® when using the FyreFLANGE mounting brackets, making the SuperSTOPPER® Mini or Maxi a great choice for a bigger range of penetrations.

Where larger annular gaps occur on site contact Trafalgar Fire for even larger custom mounting flange systems, or use FyreBOARD Maxilite®.



Product	Depth mm	Height mm	Width mm	FyreFLANGE Dimensions
FyreFLANGE Mini Round 100	16	160	160	
FyreFLANGE Mini Round 150	16	210	210	
FyreFLANGE Mini Square	30	30	-	
FyreFLANGE Maxi	30	50	-	

SuperSTOPPER
SYSTEM SELECTOR



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	
	PEX	✓	✓	✓	✓	
	PEX-AL-PEX	✓	✓	✓	✓	
	Insulated Copper/PEX	✓	✓	✓	✓	
	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

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.

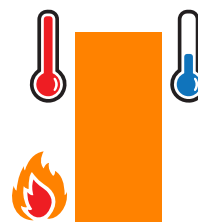
ie: a brick wall supporting a concrete floor slab above.



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.

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® Maxi or Mini 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® Maxi or Mini 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

**PATCH FREE!
WRAP FREE!**



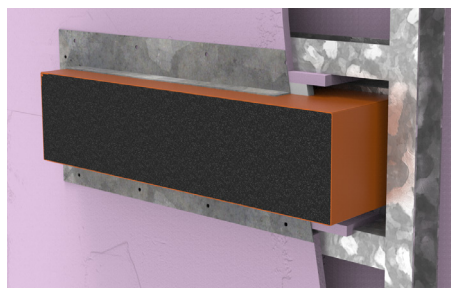
Service Type	Service Specification		FRL - WRAP FREE	
			64mm stud*	92mm studs
Plastic Pipes	PVC Pipes	Up to 32mm OD	-/60/30	-/60/60
	PEX Pipes	Up to 20mm	-/60/30	-/60/60
		Up to 32mm	-/60/30	-/60/60
		Up to 32mm with 19mm E-Flex insulation	-/60/30	-/60/60
	PEX-Al-PEX pipes	Up to 25mm	-/60/30	-/60/60
		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 ² 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 ² , 4 x 120mm ² and 9 x 70mm ² 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.

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.



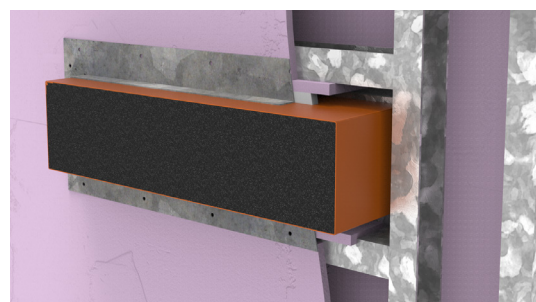
Service Type	Service Specification		FRL (Wrap Free)	FRL with TWRAP™	TWRAP™ Length required (mm)
Plastic Pipes	PVC Pipes	Up to 32mm OD	-/90/60	-/90/90	300
	PEX Pipes	Up to 20mm	-/90/60		300
		Up to 32mm	-/90/60		450
		Up to 32mm with 19mm E-Flex insulation	-/90/60		300
	PEX-Al-PEX pipes	Up to 25mm	-/90/60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

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. Please note SuperSTOPPER® Mini does not require the penetration to be lined and framed.



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 32mm	-/120/-		450
	cPVC Pipes	Up to 40mm	-/120/-		300
40mm to 60mm		-/120/60	300		
Bare Metal Pipes	Copper	Up to 50mm	-/120/-		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 20mm FR insulation (or 13mm PE)	-/120/60	300	
Power Cables - Copper Core	TPS	Up to 12x 2.5mm ² 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 ² , 4 x 120mm ² and 9 x 70mm ² 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	
Drinks python***	Lagged post mix lines	90mm OD 10x post mix lines with 19mm FR thermal lagging	-	300	

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

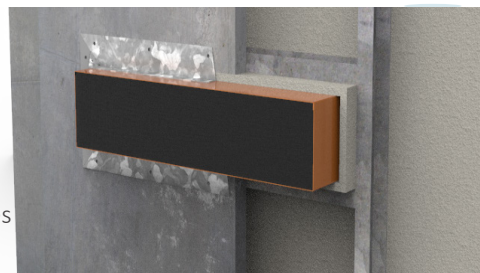
**Loose TWrap infill installed onto cable trays for at least 300mm underneath TWrap

***Applies to the SuperSTOPPER® MINI-R-150 only

60 MINUTE XCEM ALPHA PANEL WALLS

Type 1 - 35mm Alpha Panel, framed with stud and lined on the other face with 13mm plasterboard (88mm minimum thickness) shown on the right.

Type 2 - 35mm Alpha Panel, framed with stud on both sides, lined on both faces with 13mm plasterboard (200mm minimum thickness) not shown.



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

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

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, shown on the right.



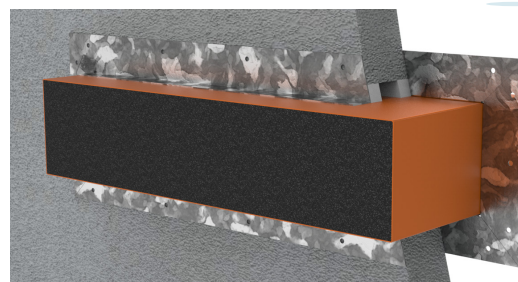
Service Type	Service Specification		FRL (Wrap Free)**		FRL with TWRAP™	
			Type 3	Type 4	Both walls	Length required (mm)
Plastic Pipes	PVC Conduits	Up to 32mm OD	-/90/60	-/90/30	-/90/90	450
	PEX Pipes	Up to 20mm	-/90/60	-/90/30		450
		Up to 32mm	-/90/60	-/90/30		450
		Up to 32mm with 19mm E-Flex insulation	-/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/-
40mm to 60mm	-/90/60		-/90/30	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 ² 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 ² , 4 x 120mm ² and 9 x 70mm ² 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.

90 MINUTE AAC PANELS

Hebel, Wasc 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.

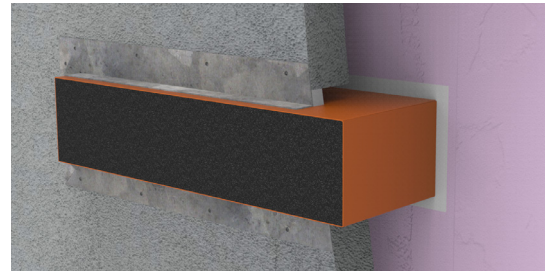


Service Type	Service Specification		FRL - WRAP FREE	FRL-With 300mm TWRAP
Plastic Pipes	PVC Pipes	Up to 32mm OD	-/90/30	-/90/90
	PEX Pipes	Up to 20mm	-/90/30	-/90/90
		Up to 32mm	-/90/30	-/90/90 (450mm TWrap)
		Up to 32mm with 19mm E-Flex insulation	-/90/30	-/90/90
	PEX-Al-PEX pipes	Up to 20mm	-/90/30	-/90/90
		Up to 25mm	-/90/30	-/90/90
		Up to 32mm	-/90/0	-/90/90 (450mm TWrap)
		Up to 32mm with 19mm E-Flex insulation	-/90/30	-/90/90
	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 ² 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 ² , 4 x 120mm ² and 9 x 70mm ² 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

120 MINUTE AAC PANELS

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



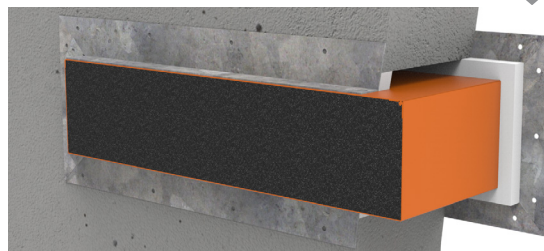
Service Type	Service Specification		FRL (Wrap Free)	FRL with TWRAP™	TWRAP™ Length required (mm)
Plastic Pipes	PVC pipes	Up to 32mm OD	-/120/30	-/120/120	300
	PEX Pipes	Up to 20mm	-/120/30		300
		Up to 32mm	-/120/30		450
	PEX-Al-PEX pipes	Up to 20mm	-/120/30		300
		Up to 25mm	-/120/30		450
		Up to 32mm	-/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
		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	
Power Cables - Copper Core	TPS	Up to 12x 2.5mm ² 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 ² , 4 x 120mm ² and 9 x 70mm ² 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.

120 MINUTE CONCRETE, MASONRY AND PERMANANT 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, Logically 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 ² 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 ² , 4 x 120mm ² and 9 x 70mm ² 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	
Drinks python***	Lagged post mix lines	90mm OD 10x post mix lines with 19mm FR thermal lagging	-	300	

*With or without heat trace cable.

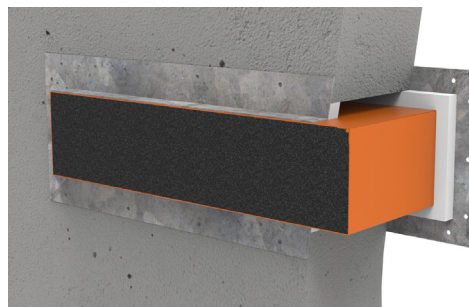
#With 300mm of loose TWRAP™ infill packed around any cable tray services within the wrap.

***Applies to SuperSTOPPER® MINI-R-150 only.

240 MINUTE CONCRETE, MASONRY AND PERMANANT FORMWORK WALLS

Walls designed as per AS3600 or AS3700 or otherwise fire tested to achieve an FRL of at least -/240/240, including Dintel, AFS, Logical etc.

SuperSTOPPER® Maxi and Mini



Service Type	Service Specification		FRL no wrap required	FRL with TWRAP	TWRAP Length required
Plastic Pipes	uPVC conduits Rigid or flexible (with or without cables)	up to 25mm OD	-/240/120	Wrap Free	-
Bare Metal Pipes	Copper pipes	up to 50mm OD	-/240/-	-/240/120	300mm
	Steel pipes	up to 50mm OD	-/240/60	-/240/120	300mm
Insulated Metal pipes	Copper pipes	up to 50mm OD with PE insulation up to 20mm thick	-/120/60	-/120/120	300mm
		up to 50mm OD with FR insulation	-/120/60	-/120/120	300mm
		up to 20mm OD with rockwool-type insulation	-/120/60	-/120/120	300mm
	Pair coil pipes	up to 9.5 and 19mm OD with PE insulation up to 13mm thick	-/240/120	-/120/120	300mm
up to 9.5 and 19mm OD with FR insulation up to 20mm thick		-/240/120	-/120/120	300mm	
Power Cables	5 x 19mm OD 3C+E copper cables		-/240/120	Wrap Free	-
	Three core and Earth copper core cables up to 185mm ² (up to 54mm diameter)		-/240/60	-/120/120*	600mm
	All other copper core power cables or cable trays up to 1000mm wide		-/240/60	-/120/120*	600mm
Comms Cables	20 x CAT6 cable bundle		-/240/120	Wrap Free	-
	All other copper core power cables or cable trays up to 1000mm wide		-/120/60	-/120/120	450mm

Where TWRAP is required for increased insulation performance, it is to be installed on both sides of the wall.

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

SuperSTOPPER® Mini Only:

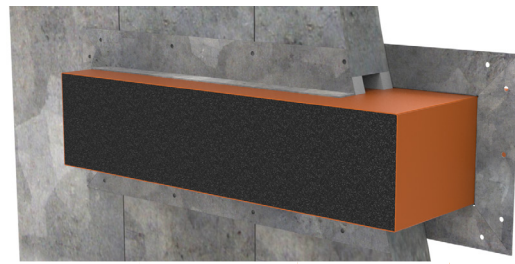
Service Type	Service Specification		FRL No Wrap Required	FRL with TWRAP
Insulated metal pipes	2x Pair Coil	Up to 9.5 and 19mm OD with FR insulation up to 20mm thick	-/240/180	Wrap Free
Power Cables	5 x 19mm OD 3C+E copper cables			
Comms Cables	20 x CAT6 cable bundle			
PVC conduits	uPVC conduits Rigid or flexible (with or without cables)	Up to 25mm OD		



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.



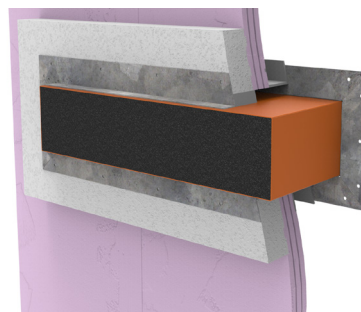
Service Type	Service Specification		51mm Speedpanel + 30mm Maxilite	64mm Speedpanel + 30mm Maxilite	78mm Speedpanel	TWrap Length required (mm)
Plastic Pipes	PVC pipes	Up to 32mm OD	-/60/60	-/90/90	-/120/120	300
		Up to 20mm				300
	PEX Pipes	Up to 32mm				450
		Up to 32mm with 19mm E-Flex** ***insulation				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
Steel		up to 60mm				300
Metal Pipes Insulated#	Copper	Up to 50mm OD with PE insulation up to 20mm thick				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 ² 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 ² , 4 x 120mm ² and 9 x 70mm ² 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

LAMINATED PLASTERBOARD SHAFT WALLS

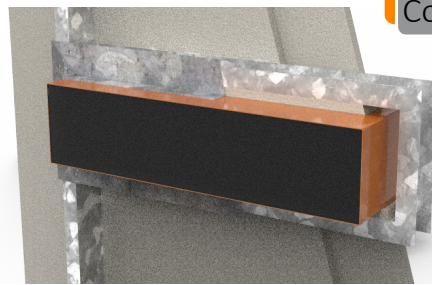
Minimum of 3x fire grade plasterboard on one side of a steel stud with a stated FRL of 90 or 120 minutes. SuperSTOPPER® penetration thickened with 60mm Maxilite in 100mm strips on one side of the penetration.



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 (-/90/90 only)
		Up to 25mm	-/90/30	-/120/30		450
	PEX-Al-PEX pipes	Up to 32mm	-/90/-	-/120/30		450
		Up to 32mm with 19mm E-Flex insulation	-/90/30	Not approved		300 (-/90/90 only)
		cPVC Pipes	Up to 40mm	-/90/-		-/120/-
Bare Metal Pipes	Copper	Up to 50mm	-/90/-	-/120/-	300	
	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 ² 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 ² , 4 x 120mm ² and 9 x 70mm ² 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	

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	
Plastic Pipes	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			
Bare Metal Pipes	Copper	Up to 50mm				450
	Steel	up to 60mm				450
Metal Pipes Insulated**	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
	Pair coil	Up to 20mm OD with 38mm rockwool-type insulation				450
		Up to 9.5 & 19mm with 13mm PE insulation				450
Power Cables - Copper Core	TPS	Up to 12x 2.5mm ² per bundle				450
	AS1530.4 Appendix D1 cable set	Applies to copper core power cables and cable trays up to 1000mm wide				450
Power Cables Aluminium Core	Single Core cables	Bundles of up to 3 x 240mm ² , 4 x 120mm ² and 9 x 70mm ² per bundle (16x cables total)				450
Communications Cables	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
Conduits	Rigid or Flexible PVC Conduits	Up to 32mm OD (with or without cables)				450

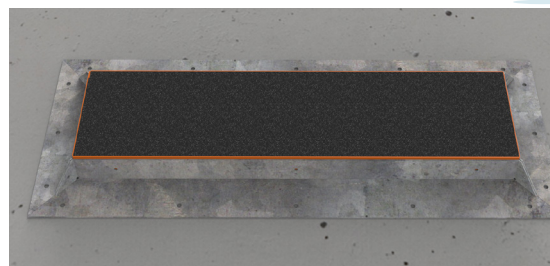
For Corex walls, the wall must be thickened on one side with 100mm wide Maxilite, 60mm thick around the penetration.

*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

2 HOUR FRL SLABS MINIMUM THICKNESS 120MM

Concrete floors with our without steel decks with an effective minimum thickness of 120mm.



Service Type	Service Specification		FRL – Wrap Free	FRL – With TWrap	TWrap Length (mm)
Blank (No Services)	20x20mm Fillet of Fyreflex Sealant applied to perimeter of SuperSTOPPER® Cast In (not required when TWrap applied)		-/120/120	Wrap Free	N/a
Plastic Pipes	PEX pipes	up to 32mm OD	-/120/-	-/120/120	450
	PEX-Al-PEX pipes	up to 32mm OD	-/120/-	-/120/120	450
	PVC pipes	up to 80mm OD	-/120/-	-/120/120	300
Bare Metal Pipes	Copper pipes	up to 42mm OD	-/120/-	-/120/120	450
		up to 100mm OD	-/120/-	-/120/120	600 1 st Layer + 450 2 nd Layer [^]
	Steel pipes	up to 50mm OD	-/120/-	-/120/120	450
		up to 100mm OD	-/120/-	-/120/120	600 1 st Layer + 450 2 nd Layer [^]
Metal Pipes Insulated*	Copper pipes	up to 50mm OD with FR insulation	-/120/60	-/120/120	300
	Stainless Steel pipes	Up to 50mm OD with EPS or PE insulation and rockwool	-/120/60	-/120/120	300
	Pair Coils	Up to 9.5 & 19mm with up to 20mm FR insulation (OR 13mm PE) with 10mm OD cable	-/120/60	-/120/120	450
Power Cables - Aluminium Core***	4x Core AL cables	Up to 4 x 240mm ² + optional 90mm ²	-/90/30	-/120/120	300
	Single core AL cables	Up to 1x 400mm ²	N/a	-/120/120	300
Power Cables	TPS cables	Up to 10x per bundle	-/120/60	-/120/120	300
	3x Core cables	19mm diam 3C + E cables	-/120/60	-/120/120	300
	AS1530.4 Appendix D cable set (no cable tray)	Applies to all copper core power cables	-/120/30	-/120/120	600 (min. 190mm slab)
	AS1530.4 Appendix D cable sets on cable trays	Applies to all copper core power cables and cable trays up to 1000mm wide	-/120/30	-/120/120	600 1 st Layer + 300 2 nd Layer [^]
	AS1530.4 Appendix D cable sets on cable trays	Copper core comms cables and cable trays up to 1000mm wide	-/120/60	-/120/120	450 (Min. 190mm slab) Or 600mm**
Comms Cables	Fibre Optic cables	NBN grade cable	-/120/30	-/120/120	300
	CAT6	Up to 150x per bundle	-/120/60	-/120/120	300
Conduits	uPVC Conduits Rigid or Flexible	Up to 32mm OD (with or without cables)	-/120/60	-/120/120	300
Drinks python***	Lagged post mix lines	90mm OD 10x post mix lines with 19mm FR thermal lagging	-/120/120	-/120/120	Wrap Free

[^]Large metal pipes require 2 layers of TWrap. Refer to [page 21](#)

*With or without heat trace cable

**With 300mm of loose TWrap infill (foil removed) packed around the services within the wrap if cable tray is used

***Aluminium cable bundles spaced 50mm apart when installed on cable tray

3-4 HOUR FRL SLABS MINIMUM THICKNESS 175MM

Concrete floors with our without steel decks with an effective minimum thickness of 175mm.



Service Type	Service Specification		FRL – Wrap Free	FRL – With TWrap	TWrap Length (mm)
Metal Pipes	Steel Pipes	Up to 50mm	-/120/-	-/240/120	450
Insulated Metal Pipes	Stainless Steel Pipes	Up to 50mm OD with EPS or PE insulation and rockwool	-/240/60	-/240/240	300
Power Cables	3x Core	Up to 2x 19mm 3C + E per bundle	-/240/60	-/240/120	300
Comms Cables	CAT6	Up to 5x per bundle	-/240/60	-/240/120	300
Power Cables - Aluminium Core	Single core AL cables	Up to 1x 400mm ²	N/a	-/180/180*	300
Drinks python***	Lagged post mix lines	90mm OD 10x post mix lines with 19mm FR thermal lagging	-/240/240	-/240/240	Wrap Free

Where TWRAP is required for increased insulation performance, it is to be installed on top side of the slab. FyreWrap® Elite 1.5 may be substituted for any of the above TWRAP applications.

THE CHALLENGE WITH 3-4 HOUR FRL'S

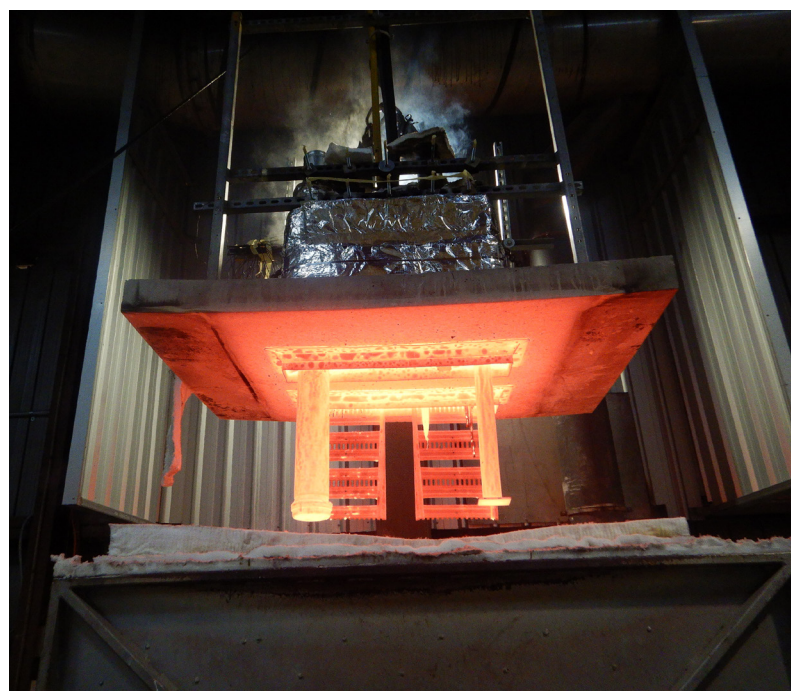
After two hours of the AS1530.4 fire test, the temperatures inside the furnace will increase from 1050 to 1200 degree's C which is above the melting points of some metals like copper. Therefore, most copper based building services (cables and copper pipes) are practically very difficult to remain under the insulation (heat rise) criteria past 2 hours.

In this case, please refer to our specific **3-4 hour FRL Applications Manual** for specific advice on how fire engineering can deal with these penetrations as an alternate solution to address the building code's performance requirements.

[Click Here](#)

Download

3-4 Hour Penetrations Applications Manual



FIRE RATED CEILINGS

The SuperSTOPPER® Maxi and Mini systems are tested and approved for use in various ceilings including Corex board and plasterboard ceilings that meet the requirements listed. Penetrations MUST be lined with 60mm Maxilite board as shown in the installation drawings.

Timber or steel framed ceiling construction

Ceiling facing thickness	FRL	RISF
Minimum thickness 16mm	-/30/30	30mins
Minimum thickness 29mm	-/60/60	60mins
Minimum thickness 32mm	-/90/90	60mins
Minimum thickness 48mm	-/120/120	60mins

The FRL's listed below against service penetrations are limited to the FRL and RISF rating of the ceiling system they are installed into.



Service Type	Service Specification	FRL – Wrap Free	FRL – With TWrap*	TWrap Length (mm)
Plastic Pipes	PEX pipes	up to 32mm OD	-/120/120	300
	PEX-Al-PEX pipes	up to 32mm OD	-/120/120	300
	PVC pipes	up to 80mm OD	-/120/120	300
Bare Metal Pipes	Copper pipes	up to 42mm OD	-/120/-	300
		up to 100mm OD	-/120/-	600
	Steel pipes	up to 50mm OD	-/120/-	300
		up to 100mm OD	-/120/-	600
Metal Pipes Insulated*	Copper pipes	up to 50mm OD with FR insulation	-/120/120	300
	Stainless Steel pipes	Up to 50mm OD with EPS or PE insulation and rockwool	-/120/120	300
	Pair Coils	Up to 9.5 & 19mm with up to 20mm FR insulation (OR 13mm PE) with 10mm OD cable	-/120/120	300
Power Cables - Aluminium Core***	4x Core AL cables	Up to 4 x 240mm ² + optional 90mm ²	-/90/30	300
	Single core AL cables	Up to 1x 400mm ²	-/90/30	300
Power Cables - Copper Core	TPS cables	Up to 10x per bundle	-/120/120	300
	3x Core cables	19mm diam 3C + E cables	-/120/120	300
	AS1530.4 Appendix D cable sets on cable trays	Applies to all copper core power cables and cable trays up to 1000mm wide	-/120/120	600
Comms Cables	AS1530.4 Appendix D cable sets on cable trays	Copper core comms cables and cable trays up to 1000mm wide	-/120/30	450
	Fibre Optic cables	NBN grade cable	-/120/120	300
	CAT6	Up to 150x per bundle	-/120/120	300
Conduits	uPVC Conduits Rigid or Flexible	Up to 32mm OD (with or without cables)	-/120/120	300

*Wrapped SuperSTOPPER®s achieve the full RISF rating as required by the ceiling system

INSTALLATION

SuperSTOPPER® Mini in Walls

ALL WALLS

CUT HOLE



Cut a hole in the barrier allowing for an appropriate annular gap (5-20mm between the edge of the hole and the walls of the SuperSTOPPER® Mini). Example: for a 100mm SuperSTOPPER® Mini-R, cut a maximum hole 140mm diameter.

Note SuperSTOPPER® Mini's do not require openings to be framed with stud or lined with

INSERT AND SEAL



Insert the SuperSTOPPER® Mini into the hole, and centre it to the wall or floor. NOTE: if barrier is too thick, contact Trafalgar Fire for alternative installations.

Seal the annular gap around the SuperSTOPPER® with FyreFLEX® Sealant to 20mm depth, on both

Please note: The SuperSTOPPER® Mini can be installed before or after the services are in place, the hinged design allows for the box to be retro fit around services, or services can be run once the box is in place.

FLANGES



Install the steel mounting flange to both sides of the wall, or just the top side of a concrete floor. When fitting the orange flanges, use the fixings to suit the wall or floor type as per table 1 on [page 24](#), using 2x fixings per flange.

FOAM



Cut a slit through the SuperSTOPPER® foam plug inserts and notch out holes to suit the services that are installed, then fit the foam in the box around the services. Foam is needed on both sides of a wall, but only the top side of a concrete slab penetration.

The fit should be snug, fill any gaps with intumescent (black) foam off-cuts, or FyreFLEX® Sealant.

Click to Watch
 Installation Video



INSTALLATION

SuperSTOPPER® Mini in Walls

ALL WALLS

TWRAP



Where required, wrap the services with the appropriate length of TWRAP (per FRL tables above). The TWRAP should overlap itself around the pipe by 50mm, if two strips are required to meet the appropriate length, then where the second length meets the first, a 50mm overlap is required.

TWRAP is secured to the service using steel cable ties, 50mm from each end and 150mm centres in-between.

LABELLING



Document the penetration. It is general good practice to take photographs and label all completed penetration works to add to the site's documentation for future inspections. AS4072 includes some recommendations and templates for penetration register stickers.

If you need penetration stickers, we offer them at Trafalgar. Click [here](#).

TABLE 1: FIXINGS

SuperSTOPPER® Maxi & Mini

Wall Type	Fixing
Plasterboard walls, Corex and shaft walls	8gx50mm plasterboard screws
AAC panel (Hebel®, Walsc® etc)	
FyreBOARD Maxilite®	
Speedpanel®	8gx50mm metal drilling head screws
Concrete/Masonry and Alpha Panel	M6x50mm masonry anchors
Plasterboard Ceilings	10gx 100mm plasterboard screws, and additional framing (refer to page 30-31)

INSTALLATION SuperSTOPPER® Maxi in Walls

WALL TYPES



Openings in plasterboard walls must be lined with steel stud and plaster to support the SuperSTOPPER® Maxi. This includes Corex walls and the Alpha Panel wall systems that have a stud cavity.



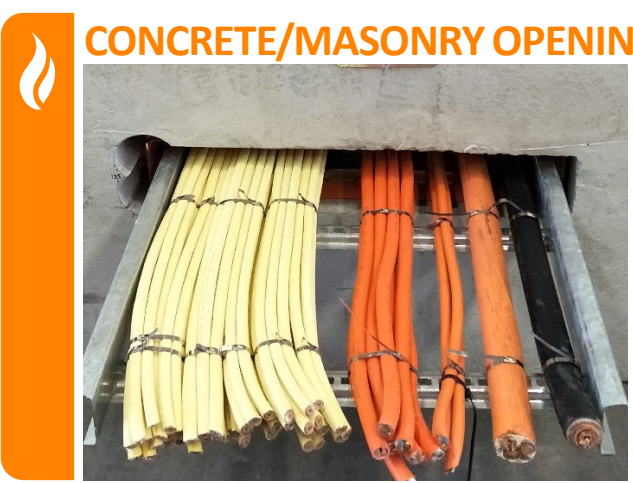
In a Hebel® and Walsc walls, cut the appropriate size hole for the SuperSTOPPER® Maxi. **NOTE:** Larger openings in AAC walls may need additionally steel framing as per CSR Hebel® recommendations. Refer to appendix for more details.

Please note: When cutting a hole in any wall for a SuperSTOPPER®, allow for a 5-20mm gap between the box and the edge of the hole.



Cut the opening in the wall and line with steel u-channel as per Speedpanel® requirements.

NOTE: If Speedpanel® is less than 78mm thick, one face will have to be lined with 60mm FyreBOARD Maxilite® Board for 100mm away from the aperture. Refer to appendix for more details.



In a concrete wall, simply cut/form the appropriately sized hole for the SuperSTOPPER® Maxi.

See Table 1: SuperSTOPPER® Maxi & Mini Fixings on the previous page to select the correct fixing for the wall type.

Click to Watch Installation Video

INSTALLATION SuperSTOPPER® Maxi in Walls

ALL WALLS



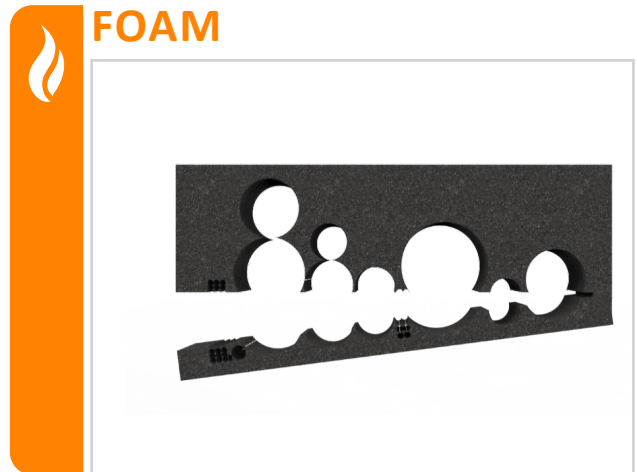
Fill FyreFLEX® sealant to 20mm depth, on both sides of the wall for walls that have stud cavities like plasterboard and Alpha Panel walls.

NOTE: Solid walls like Hebel®, Speedpanel, Corex, and some Alpha Panel walls should be filled to the full depth of the wall panel(s).



Fit the FyreFLANGE mounting flange firmly up against the wall. Fix using every second fixing hole with fixings as per Table 1 on [page 24](#). Flanges to be installed on both sides of the wall.

NOTE: For walls there is no need to screw fix the the FyreFLANGE to the SuperSTOPPER®. The system is friction fit.



Cut a slit through the SuperSTOPPER® foam plug inserts and notch out holes to suit the services that are installed.

Fill any gaps with foam off-cuts or FyreFLEX® Sealant.



The foam fit should be snug, such that no daylight can be seen through the SuperSTOPPER® once installed to both sides of the wall.

Click to Watch Installation Video



INSTALLATION SuperSTOPPER® Maxi in Walls

ALL WALLS

TWRAP™



Where required, wrap the services with the correct length of TWRAP (as per FRL tables listed in the above pages).

NOTE: Cable trays require loose TWRAP infill material to pack out gaps before wrapping.

TWRAP™ AND LABELLING



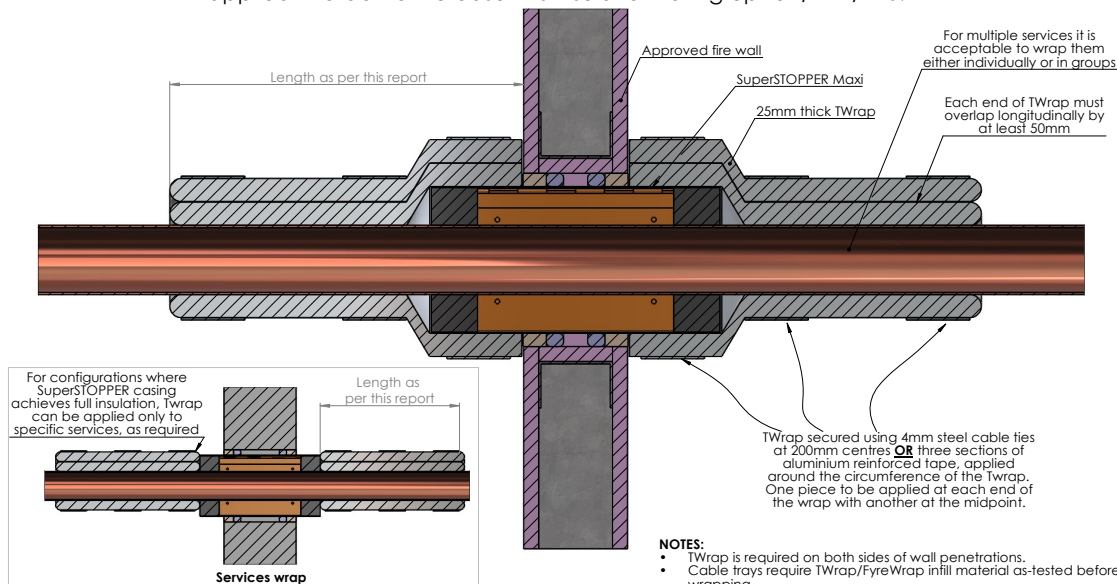
The TWRAP should overlap itself around the pipe by 50mm, if two strips are required to meet the appropriate length, then where the second length meets the first, a 50mm overlap is required. TWRAP is secured to the service used steel cable ties, 50mm from each end and 150mm centres in-between.

It is general good practice to take photographs and label all completed penetration works to add to the site's documentation for future inspections. AS4072 includes some recommendations and templates for penetration register stickers.

Please note: TWRAP may be substituted with FyreWrap® Elite (38mm) blanket

TWrap (Standard Details) - Fire Rated Walls

Where the SuperSTOPPER and/or services do not achieve full insulation, TWrap can be applied in order to increase this insulation rating up to -/XXX/120.



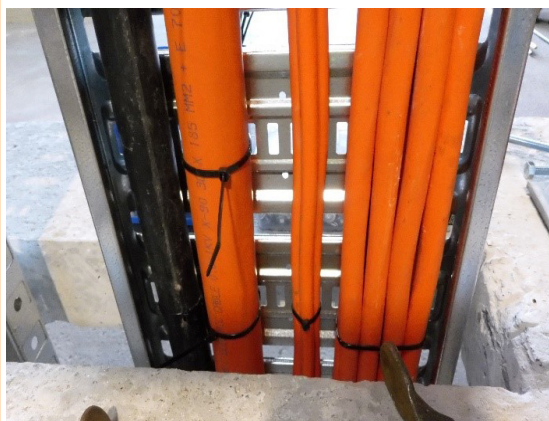
Click to Watch Installation Video



INSTALLATION SuperSTOPPER® Maxi

FLOORS

CUT HOLE



Cut the appropriately sized hole in the Slab (5-20mm annular gap). SuperSTOPPER® can be unhinged to fit around existing services.

NOTE: Cast-in SuperSTOPPER®'s are also available for new builds, or can be retro fit with FyreSET® Mortar.

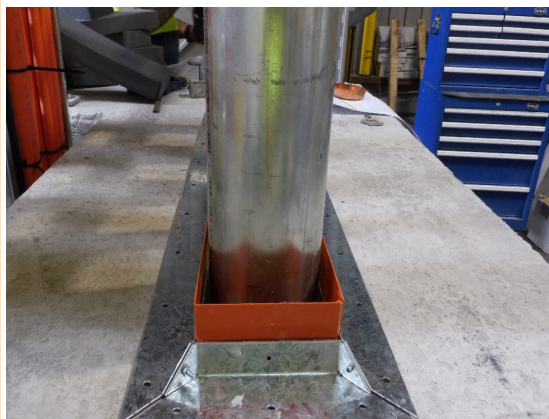
INSERT AND SEAL



Fit the SuperSTOPPER® and seal the resulting gaps with FyreFLEX® sealant, 20mm on both sides of the floor.

Please note: When cutting a hole in any floor for a SuperSTOPPER®, allow for a 5-20mm gap between the box and the edge of the hole.

FyreFLANGE



Fit the SuperSTOPPER® Flange firmly to the slab, fixing into the concrete with M6x50mm anchors at 200mm centers.

NOTE: Flange may be installed on the top side only, as long as FyreFLEX® Sealant is applied to the annular gaps on the underside.

FOAM



Cut a slit through the SuperSTOPPER® foam plug inserts and notch out holes to suit the services that are installed, then fit the foam in the box around the services on the top side only.

The fit should be snug, fill and gaps with foam off-cuts or FyreFLEX® Sealant.

INSTALLATION SuperSTOPPER® Maxi

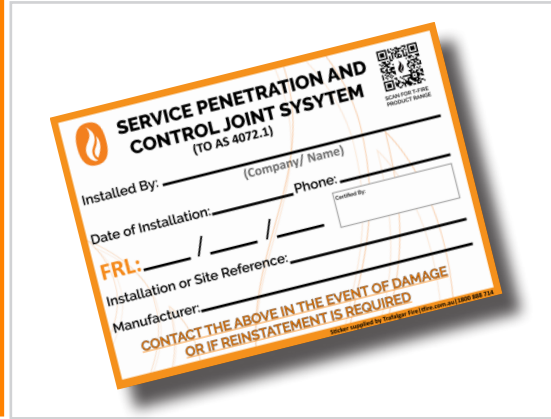
FLOORS

TWRAP™



Where required, wrap the services with the appropriate length of TWRAP (per approvals section) on the top side only. The TWRAP should overlap itself around the pipe by 50mm, if two strips are required to meet the appropriate length, then where the second length meets the first, a 50mm overlap is required. TWRAP is secured to the service used steel cable ties, 50mm from each end and 150mm centres in-between.

LABELLING

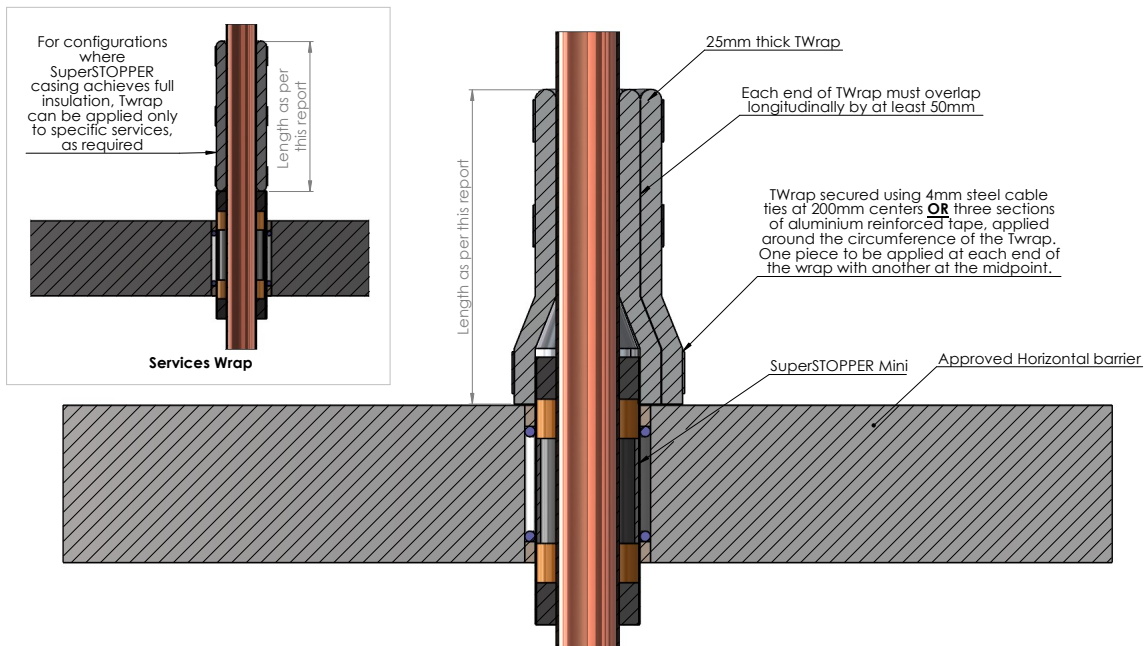


Document the penetration. It is general good practice to take photographs and label all completed penetration works to add to the site's documentation for future inspections. AS4072 includes some recommendations and templates for penetration register stickers.

If you need penetration stickers, we offer them at Trafalgar. Click [here](#).

TWrap - Fire Rated Floors

Where the SuperSTOPPER and/or services do not achieve full insulation, TWrap can be applied in order to increase this insulation rating up to -/XXX/120.



INSTALLATION SuperSTOPPER® Maxi

CEILINGS

PREPARE PENETRATION



Cut the appropriately sized hole in the ceiling (5-20mm annular gap). SuperSTOPPER® can be unhinged to fit around existing services.

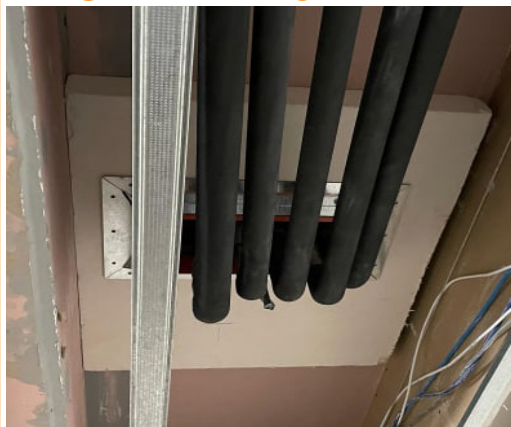
FIT AND FRAME



Fit the topside FyreFLANGE to hole the SuperSTOPPER® in place. Install 50x50x0.9mm steel angles on both sides of the SuperSTOPPER® with 8gx16mm metal screws at 300mm centres. Fix the steel angles into the ceiling framing to take the weight of the penetration off the plasterboard.

Please note: When cutting a hole in any floor for a SuperSTOPPER®, allow for a 5-20mm gap between the box and the edge of the hole.

THICKEN AND SEAL



Install 60mm thick Maxilite board to the underside of the penetration around the SuperSTOPPER® with 100mm overlaps on all side. Seal the gaps with FyreFLEX sealant and install the lower flange with 10gx100mm screws.

FOAM



Cut a slit through the SuperSTOPPER® foam plug inserts and notch out holes to suit the services that are installed, then fit the foam in the box around the services on the top side only.

The fit should be snug, fill and gaps with foam off-cuts or FyreFLEX® Sealant.

INSTALLATION SuperSTOPPER® Mini

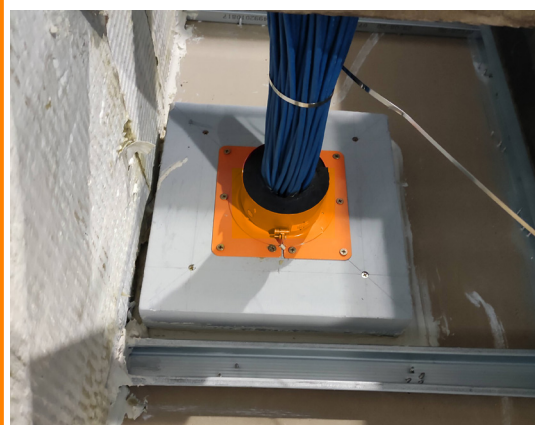
CEILINGS

CUT HOLE



Cut the appropriately sized hole in the ceiling (5-20mm annular gap). SuperSTOPPER® can be unhinged to fit around existing services.

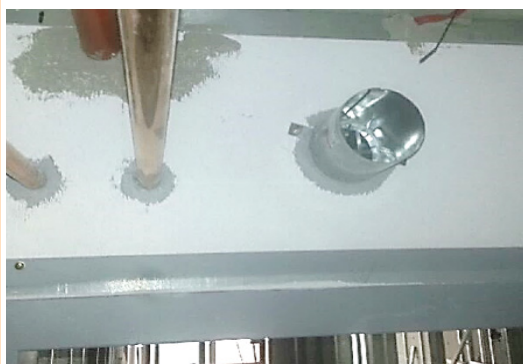
THICKEN



Install 60mm thick Maxilite board to the top side of the penetration around the SuperSTOPPER® with 100mm overlaps on all sides. Fix in place with 10x100mm screws.

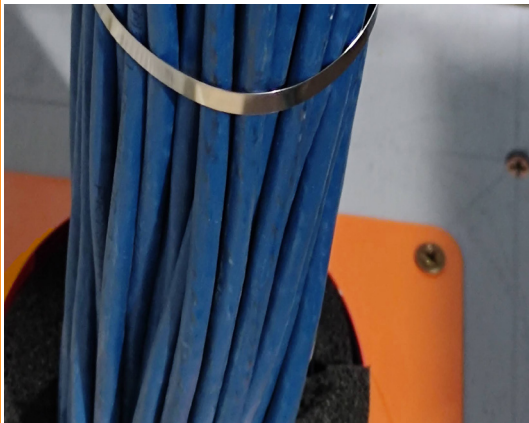
Please note: When cutting a hole in any floor for a SuperSTOPPER®, allow for a 5-20mm gap between the box and the edge of the hole.

FLANGES



Seal the gaps with FyreFLEX sealant and install both the upper and lower flanges, fixing in place with 10x100mm screws.

FOAM



Cut a slit through the SuperSTOPPER® foam plug inserts and notch out holes to suit the services that are installed, then fit the foam in the box around the services on the top side only.

The fit should be snug, fill and gaps with foam off-cuts or FyreFLEX® Sealant.

INSTALLATION OVERSIZED OPENINGS

FyreBOARD Maxilite® PENETRATIONS

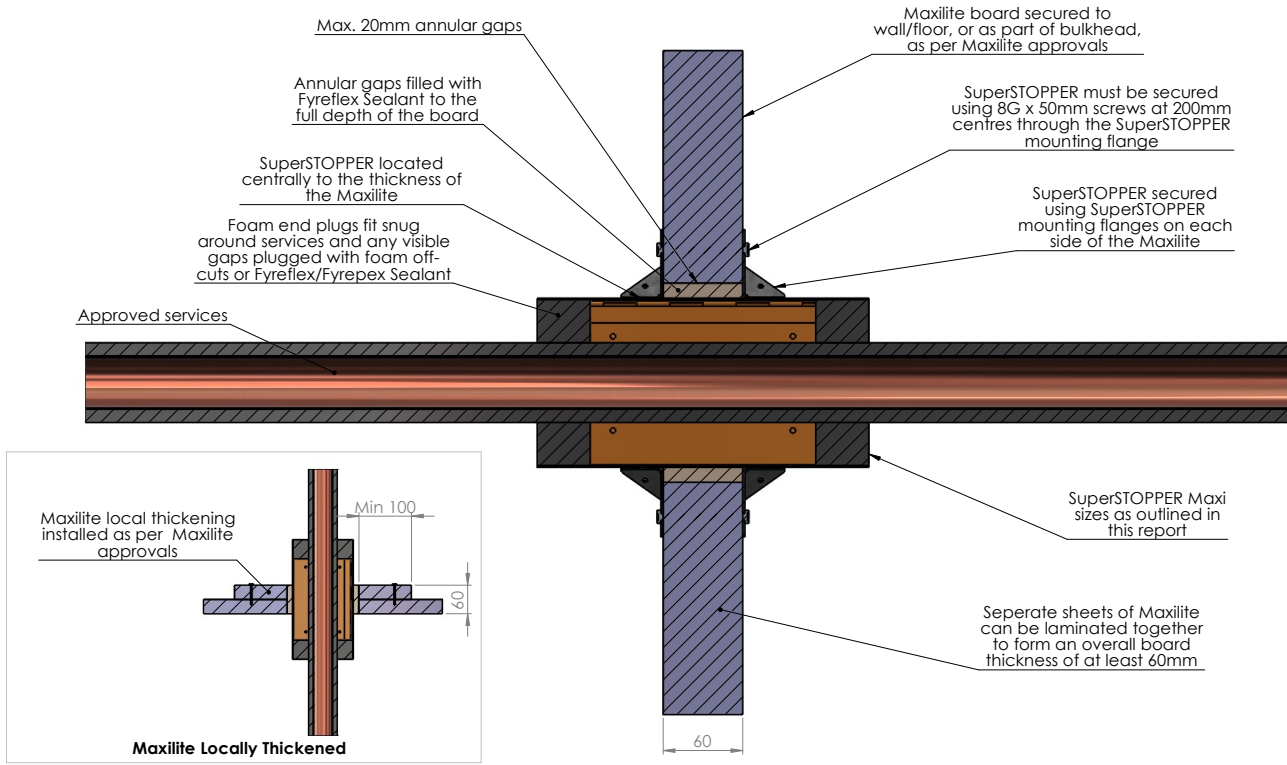
FYREBOARD MAXILITE® PENETRATIONS



Where openings in walls/floors are cut oversized, FyreBOARD Maxilite® board can be used to board over the larger opening and is compatible with SuperSTOPPER® Maxi and Mini penetration systems.

Please note: All penetrations using FyreBOARD Maxilite® require at least 60mm thickness of board.

Maxilite Board



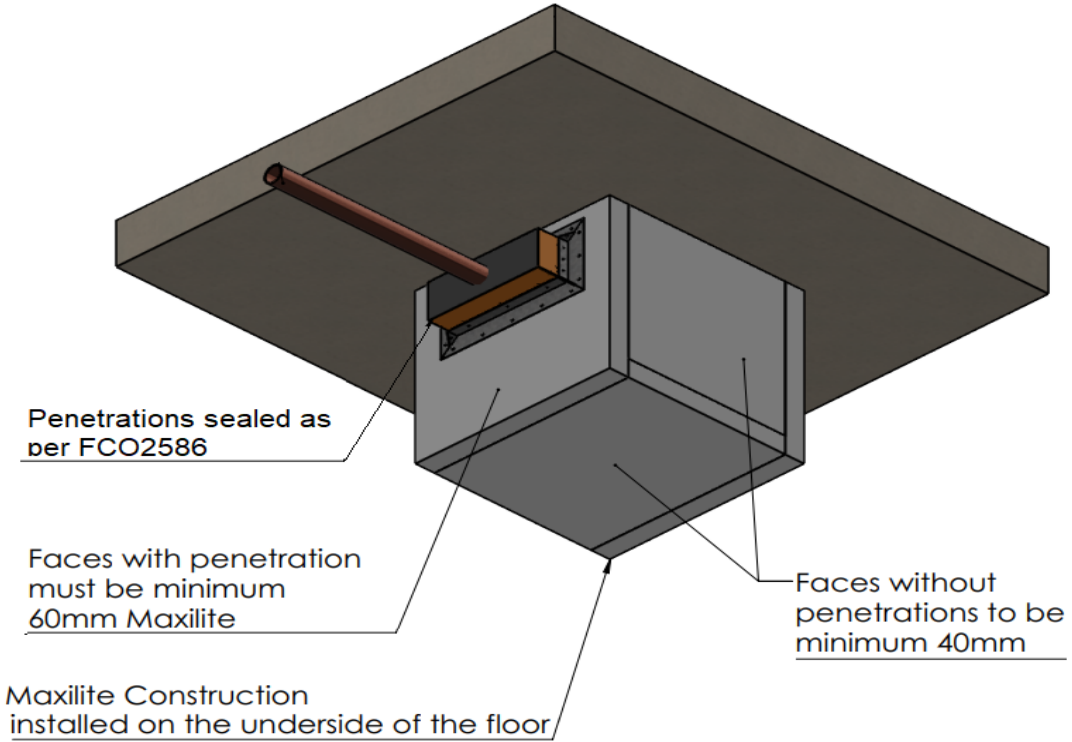
INSTALLATION PROBLEM SOLVER

FyreBOARD Maxilite® PENETRATIONS

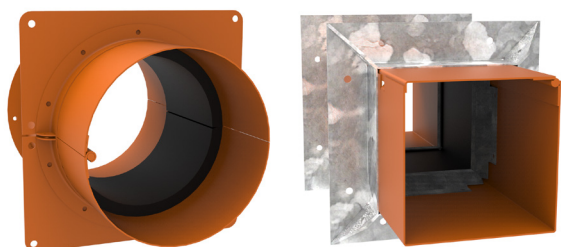


Where it is not possible to treat penetrations directly at the wall/floor penetration, SuperSTOPPER® systems are compatible with FyreBOARD Maxilite® bulkhead systems. Refer to [FyreBOARD Maxilite®](#) technical manuals for more information. For compliance of Maxilite bulkhead systems please refer to report FCO2586.

Please note: All penetrations using FyreBOARD Maxilite® require at least 60mm thickness of board.



SuperSTOPPER® MINI SYSTEMS



SuperSTOPPER & FyreFLANGE



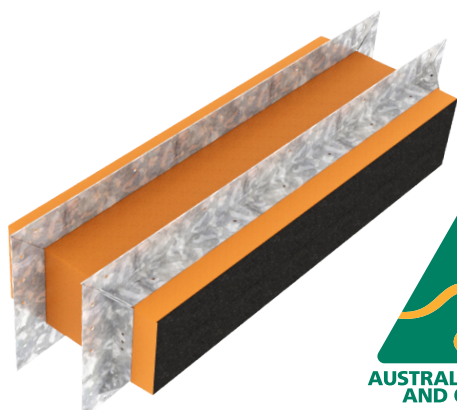
Type	Item Number	Dimensions W x H x D or Diam	Dimensions
Square	SuperSTOPPER®-MS-65	65 x 65 x 250mm	
	SuperSTOPPER®-MS-100	100 x 100 x 250mm	
	SuperSTOPPER®-MINI-FLANG-ES-S-100mm	to suit SuperSTOPPER®-MS-100	
Round	SuperSTOPPER®-MR-50	50 x 250mm	
	SuperSTOPPER®-MINI-FLANGE-R-50mm	to suit SuperSTOPPER®-MR-50	
	SuperSTOPPER®-MR-100	100 x 250mm	
	SuperSTOPPER®-MINI-FLANGE-R-100mm	to suit SuperSTOPPER®-MR-100	
	SuperSTOPPER®-MR-150	150 x 250mm	
	SuperSTOPPER®-MINI-FLANGE-R-150mm	to suit SuperSTOPPER®-MR-150	

SuperSTOPPER® MINI SYSTEMS COMPONENTS



Item Number	Description	Min Order Qty	Pallet Qty
FYREFLEX 300W/G	300ml White/Grey Cartridge	1	1920
FYREFLEX 600W/G	600ml White/Grey Sausage	1	1040
FYREFLEX 10G	10L Pail/Grey	1	64
TWRAP 300	300mm wide, 25mm thick blanket	7620mm long roll	24
TWRAP 450	450mm wide, 25mm thick blanket	7620mm long roll	12
TWRAP 600	600mm wide, 25mm thick blanket	7620mm long roll	12

SuperSTOPPER® MAXI SYSTEMS



SuperSTOPPER & FyreFLANGE



Item Number	Description	Dimensions
SuperSTOPPER®-MAXI-350	350 x 125 x 250mm	
SuperSTOPPER®-MAXI-FLANG-ES-350mm	to suit SuperSTOPPER®-MAXI-350	
SuperSTOPPER®-MAXI-550	550 x 125 x 250mm	
SuperSTOPPER®-MAXI-FLANG-ES-550mm	to suit SuperSTOPPER®-MAXI-550	
SuperSTOPPER®-MAXI-650	650 x 125 x 250mm	
SuperSTOPPER®-MAXI-FLANG-ES-650mm	to suit SuperSTOPPER®-MAXI-650	
SuperSTOPPER®-MAXI-750	750 x 125 x 250mm	
SuperSTOPPER®-MAXI-1100	1100 x 125 x 250mm	
SuperSTOPPER®-MAXI-Custom	Any depth X 125 X Any length up to 1250mm	

SuperSTOPPER® MAXI SYSTEMS COMPONENTS

Item Number	Description	Min Order Qty	Pallet Qty
FYREFLEX 300W/G	300ml White/Grey Cartridge	20	1440
FYREFLEX 600W/G	600ml White/Grey Sausage	18	810
TWRAP 300	300mm wide, 25mm thick blanket	7620mm long roll	24
TWRAP 450	450mm wide, 25mm thick blanket	7620mm long roll	12
TWRAP 600	600mm wide, 25mm thick blanket	7620mm long roll	12

SuperSTOPPER® Maxi and Mini



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® board, concrete floors etc
- Services: Bare and insulated metal pipes, cable trays and cable bundles, AL and Cu core 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)

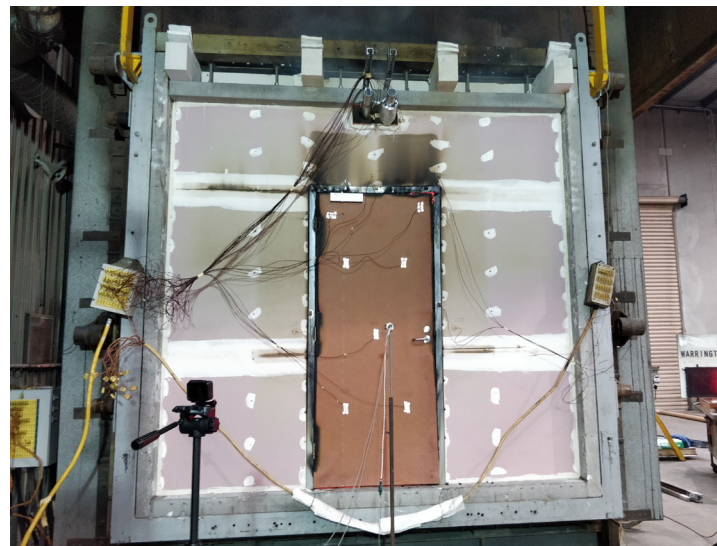
When choosing a multiple service transit penetration system like SuperSTOPPER®, it is important to check that all aspects of your system have been fire tested and are fit for purpose.

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)** 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.



FAQ

Q Is the SuperSTOPPER® Maxi/Mini suitable for my refrigeration lines?

A Yes, the SuperSTOPPER® Maxi/Mini has been tested with both fire resistant (FR) and non-FR insulation and can be filled with as many lines as will reasonably fit in the box.

Q Can I install a SuperSTOPPER® Maxi/Mini after the services have been installed?

A Yes, the SuperSTOPPER® Maxi/Mini has a hinged panel allowing for a retrofit option.

Q My opening is 300 x 600mm. Can I still use a SuperSTOPPER® Maxi/Mini?

A Yes, the opening can be sealed off with Trafalgar Fire's fire rated [FyreBOARD Maxilite®](#) board, and SuperSTOPPER® Maxi/Mini can be mounted in the board. Contact Trafalgar Fire for installation details.

Q My certifier told me I need 2-hour insulation rating on my copper pipe penetrations – does the SuperSTOPPER® Maxi/Mini achieve this?

A TWRAP (or FyreWrap®) will need to be wrapped around the SuperSTOPPER® to achieve an insulation rating. Contact Trafalgar Fire for installation details and refer to our YouTube channel for installation videos (Trafalgar TV).

Q Do I need to separate my pipes and cables inside the SuperSTOPPER®?

A No, the SuperSTOPPER® Range has been fire tested completely full and empty (some trade specific separation may be required).

Q How close together can two SuperSTOPPER® be?

A 100mm apart.



Click to Watch
Installation



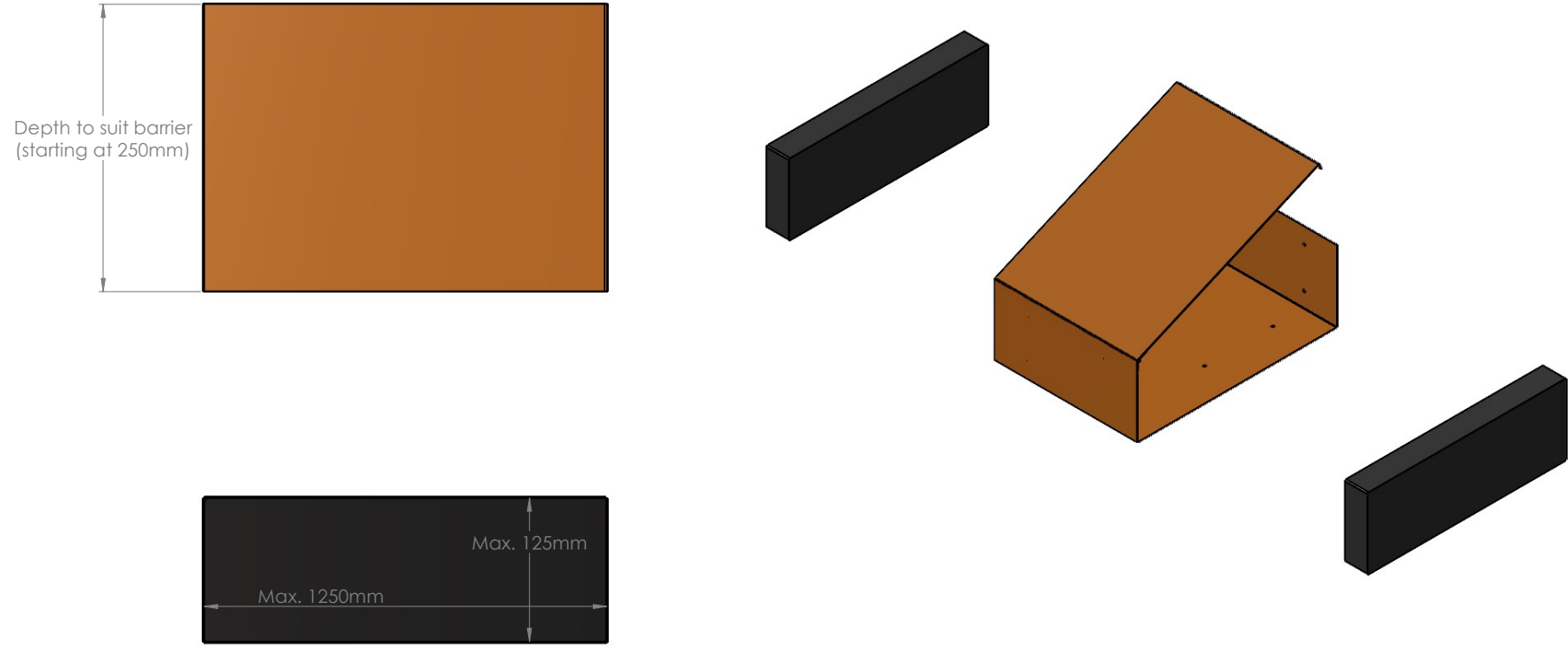

Click to Watch
Installation Video



SOCIAL MEDIA

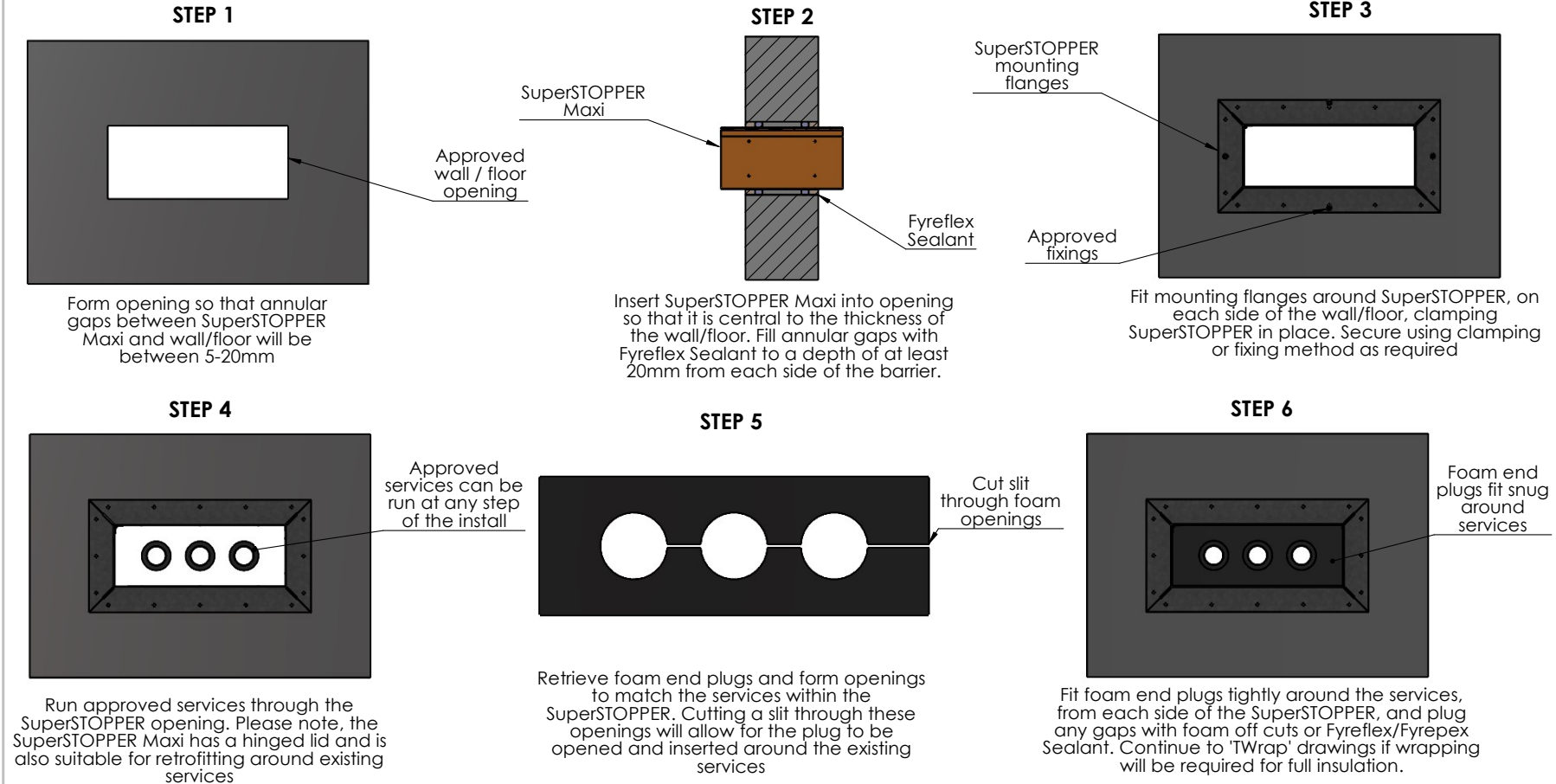



SuperSTOPPER Maxi - Product Overview




Drawing Name: Overview				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small> Trafalgar Head Office: 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
Drawing No. : 1	Sheet: 1 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

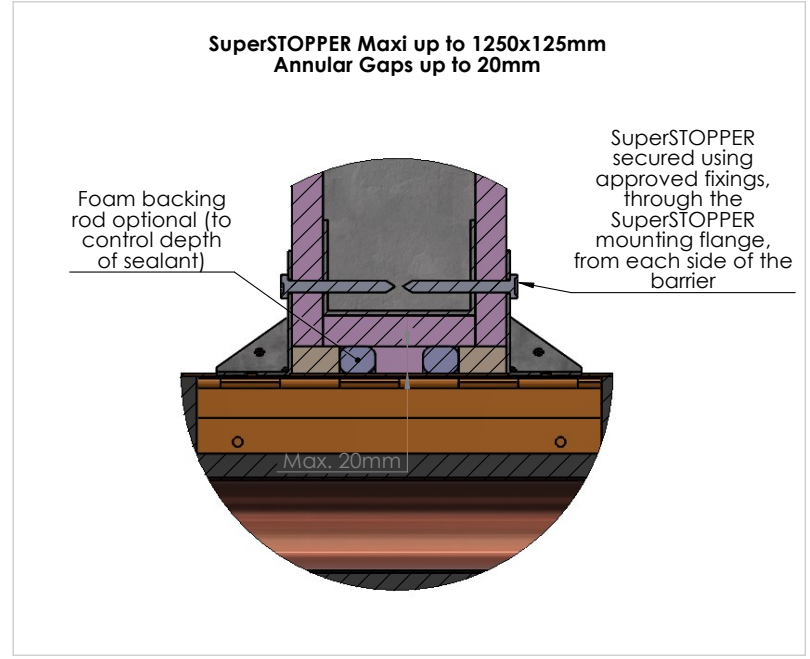
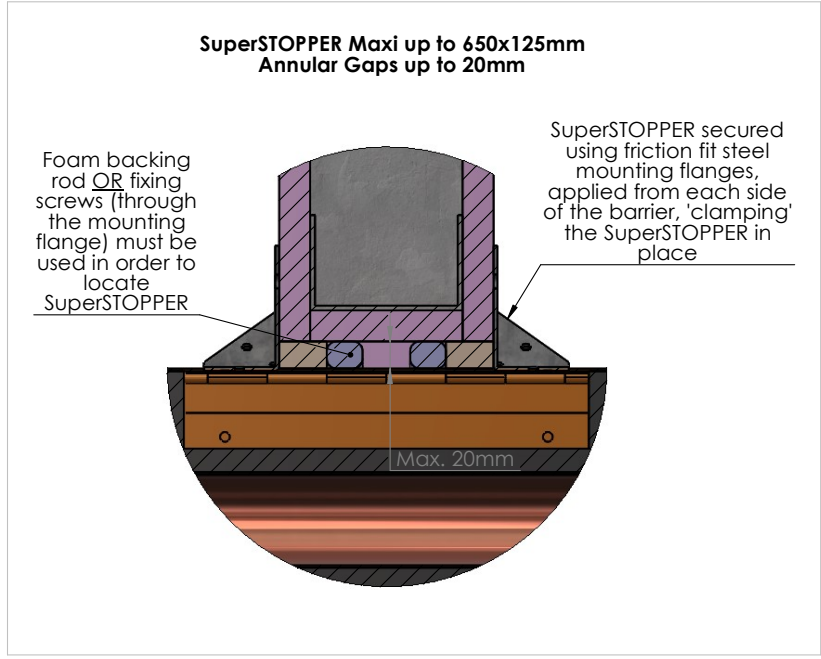
SuperSTOPPER Maxi - Installation Overview



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


Drawing Name: Installation Overview				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE: NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)  Trafalgar Head Office: 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
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC				
Drawing No. : 2	Sheet: 2 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

SuperSTOPPER Maxi - Annular Gaps For Standard Installs

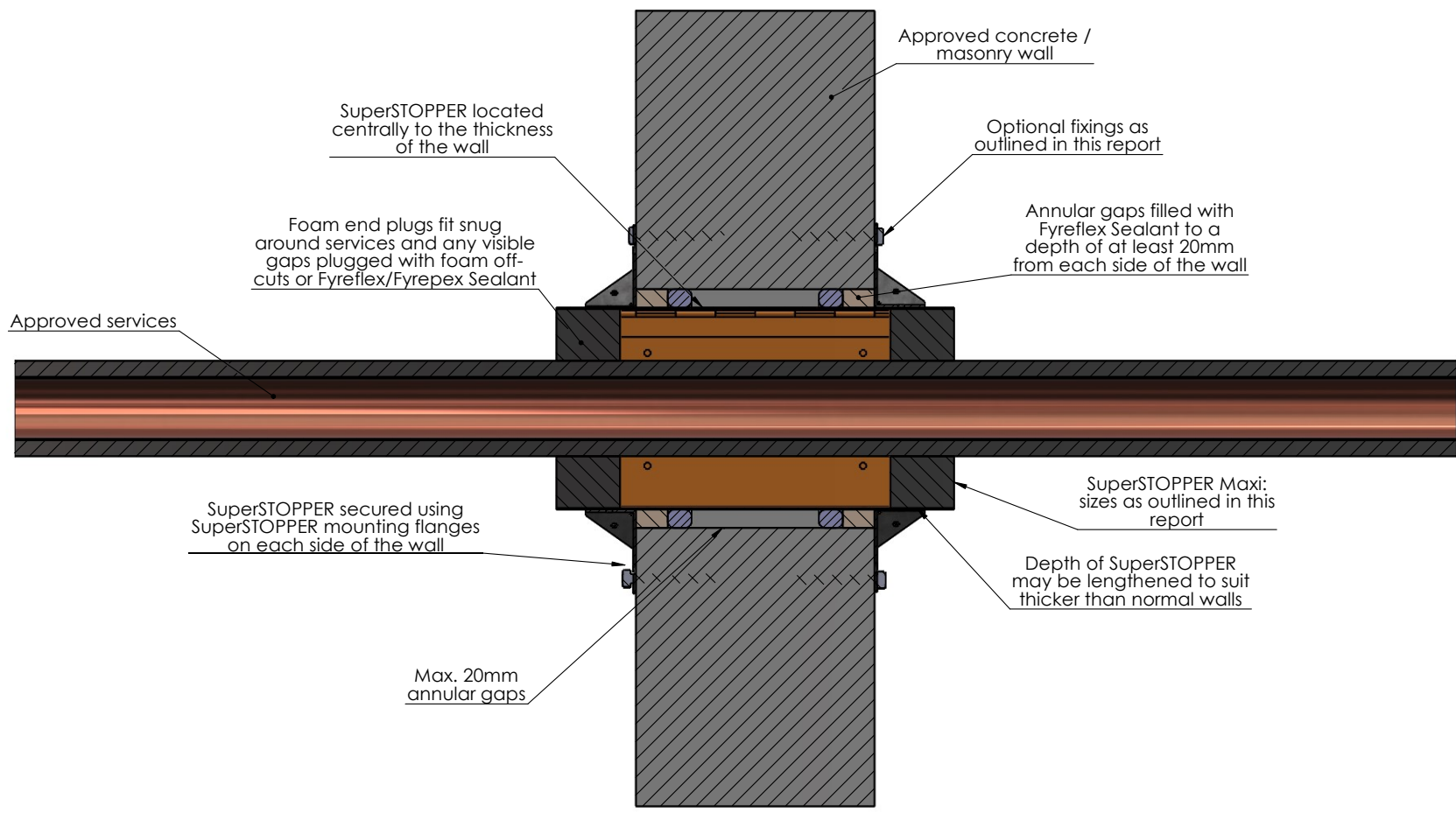



NOTE:

- For annular gaps up to 40mm, please refer to "Oversized / Scalloped Openings" drawing
- Some barriers will require fixings applied through the mounting flange regardless of the SuperSTOPPER dimensions (as outlined in the corresponding installation drawing for that barrier type)

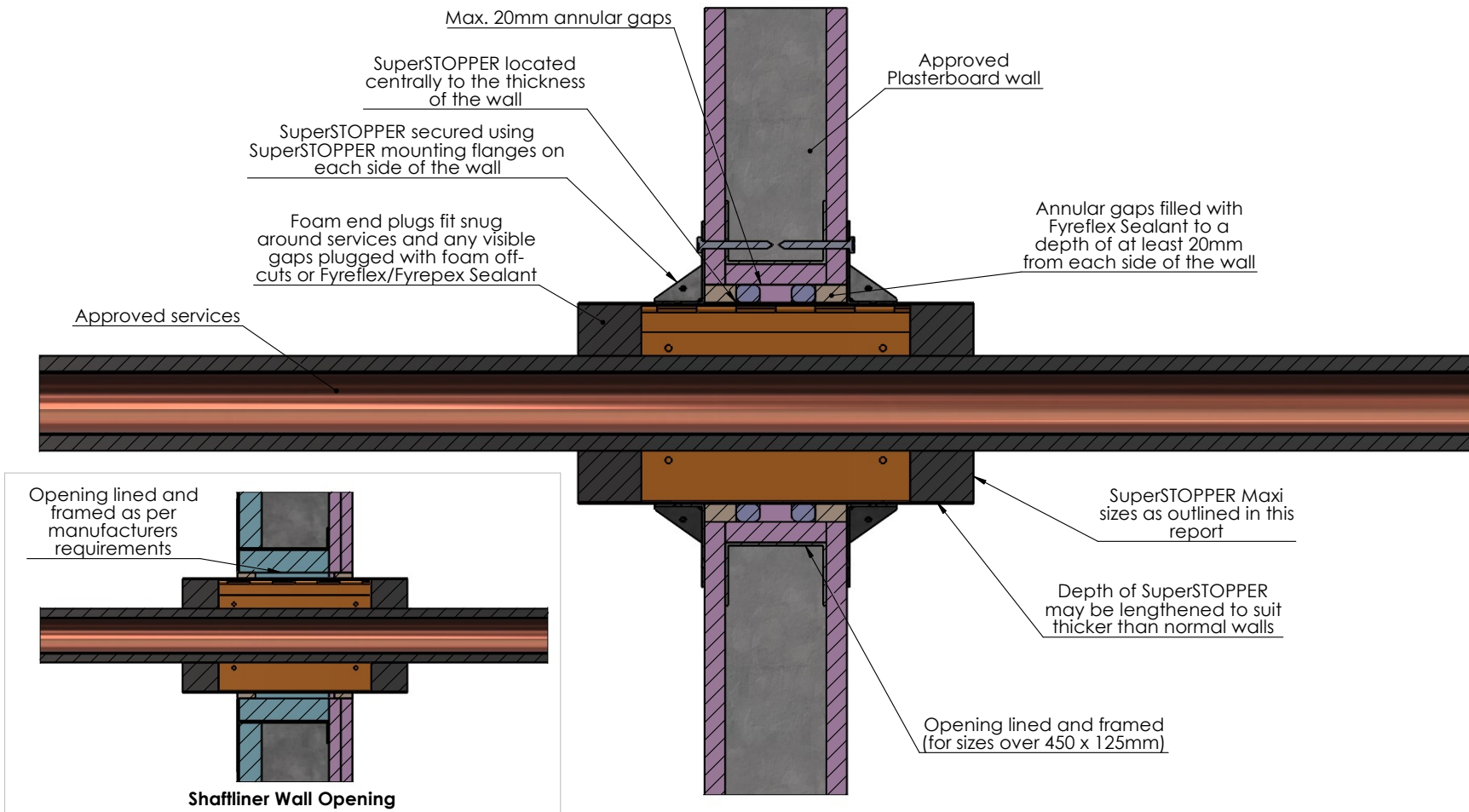
Drawing Name: Annular Gaps				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
Drawing No. : 3	Sheet: 3 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			


Concrete / Masonry Walls (with or without permanent formwork)



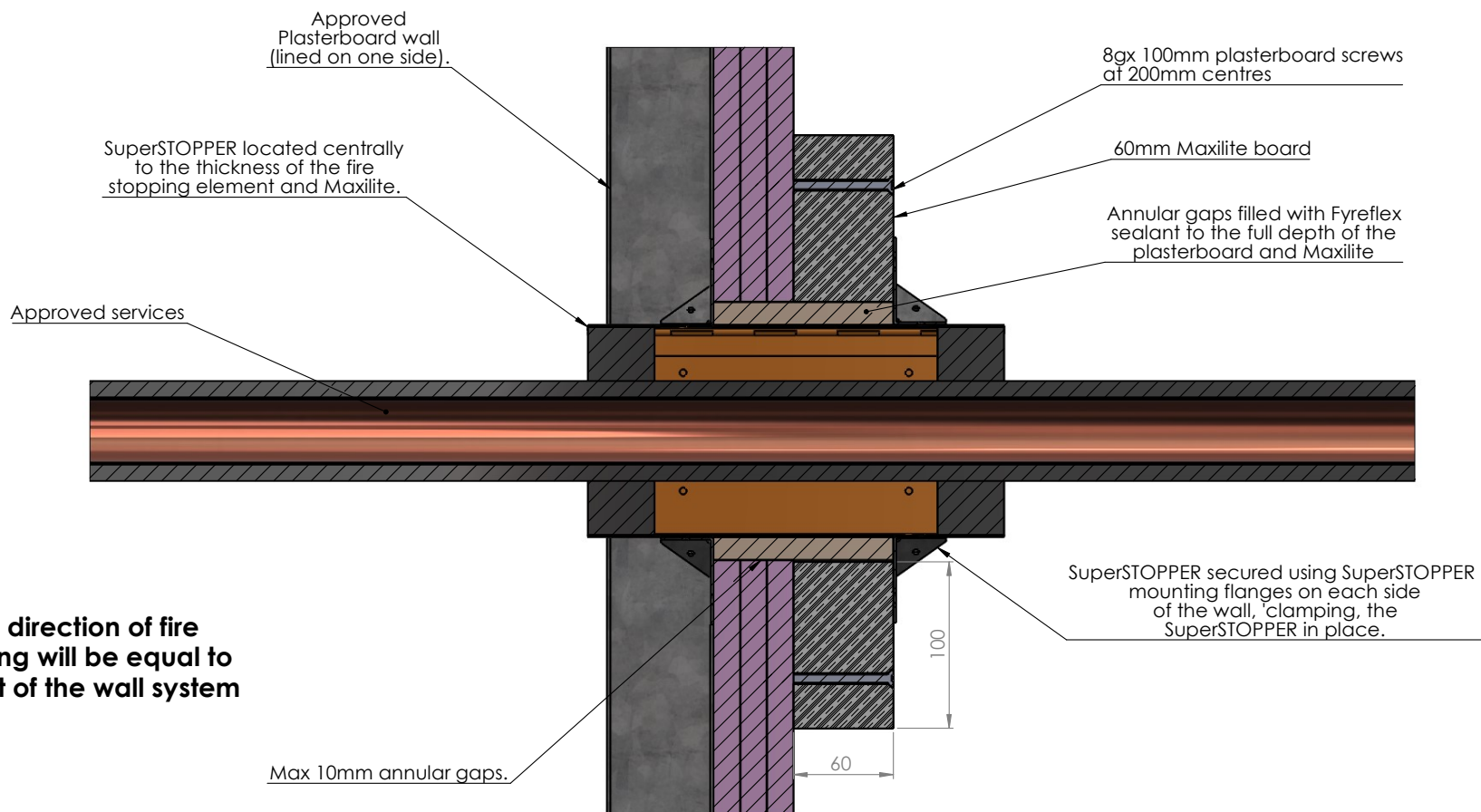
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Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC				
Drawing No. : 4	Sheet: 4 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING		 Trafalgar Head Office: 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	

Plasterboard Walls and Shafts - Plasterboard lined on each side




Drawing Name: Plasterboard - Lined Each Side				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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			
Drawing No. : 5	Sheet: 5 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT				

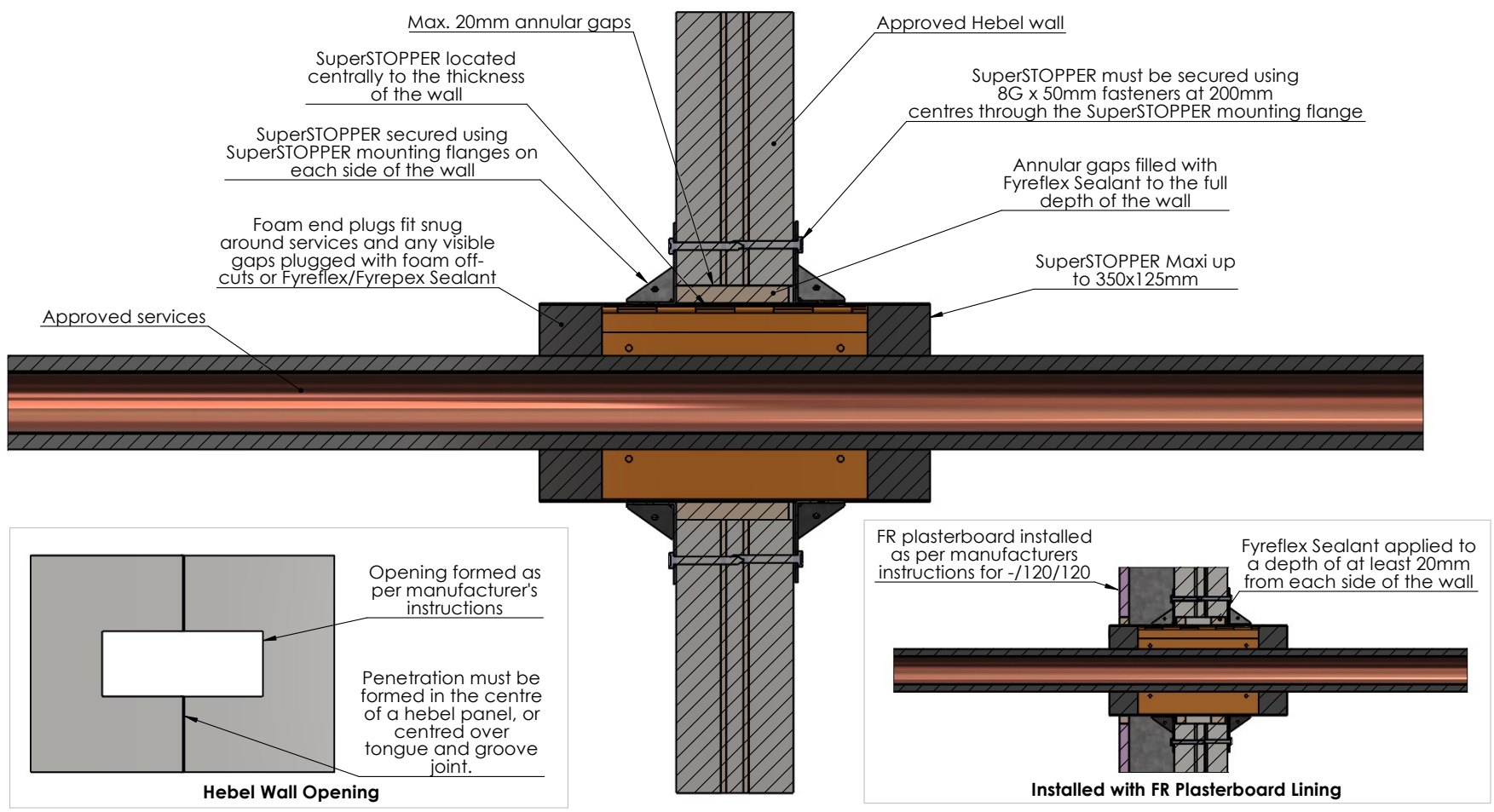
Plasterboard Walls and Shafts - Plasterboard lined on one side




NOTE: If TWrap is to be applied for full insulation, it will only be required in the direction of the fire rating.

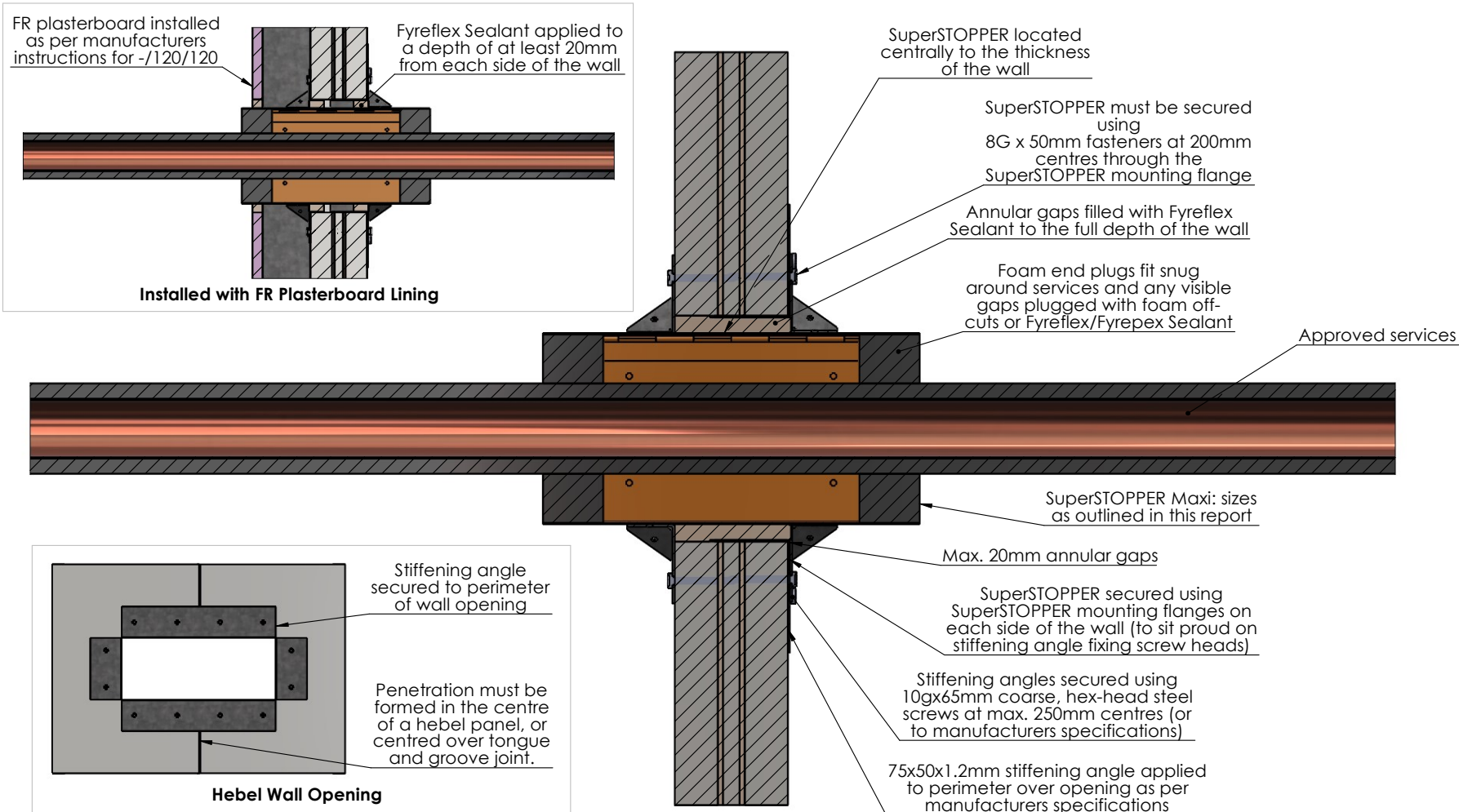
Drawing Name: Plasterboard - Lined One Side				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
Drawing No. : 6	Sheet: 6 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			


Hebel/Walsc AAC Walls - Openings less than 400x205mm



Drawing Name: Hebel/Walsc - Small Openings				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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
Drawing No. : 7	Sheet: 7 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

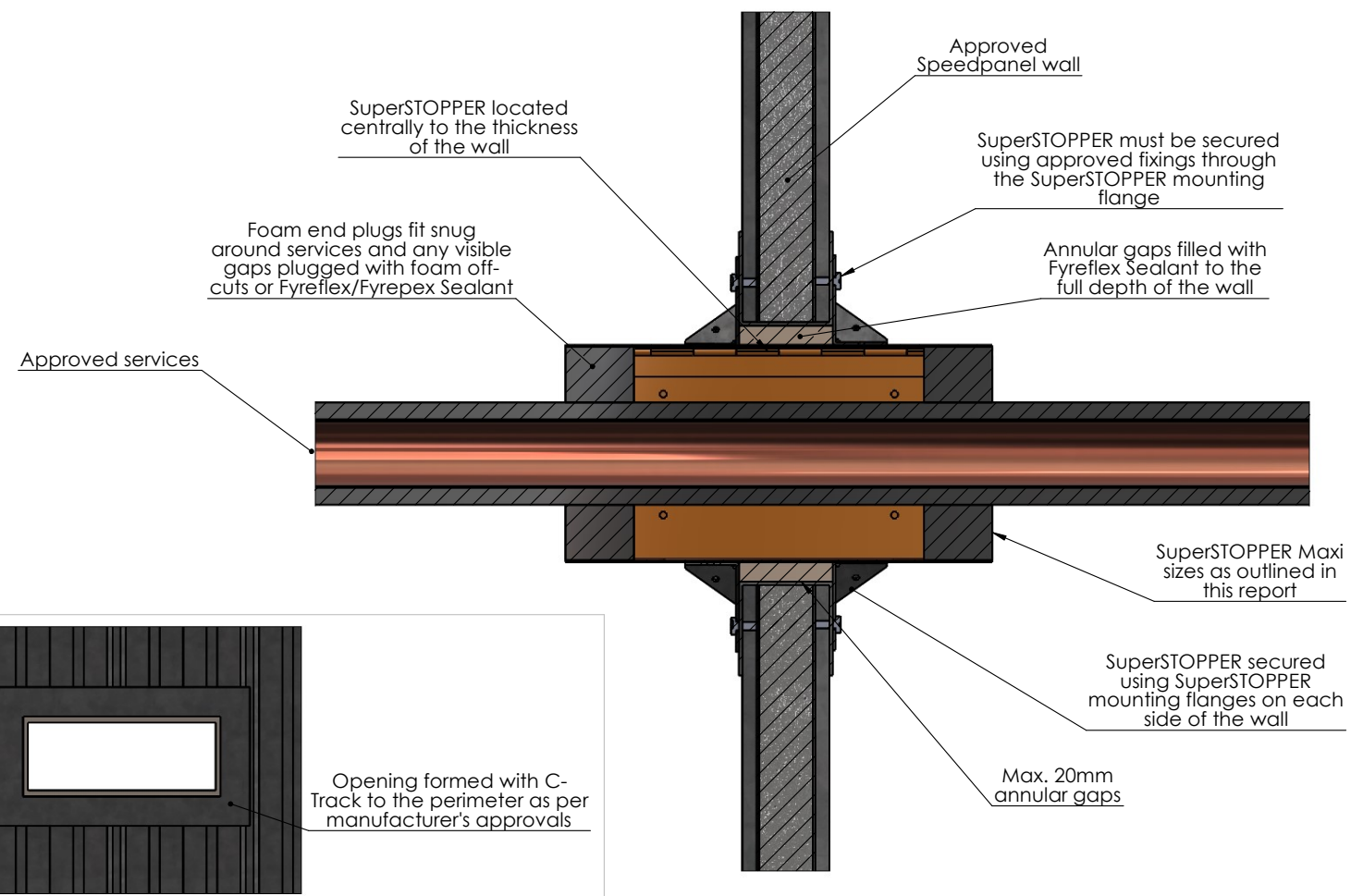
Hebel/Walsc AAC Walls - Openings greater than 400x205mm



Drawing Name: Hebel/Walsc - Large Openings				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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			
Drawing No. : 8	Sheet: 8 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT				

Click here to go back to Contents

Speedpanel 78mm Walls



Drawing Name: Speedpanel

Project Title: SuperSTOPPER Maxi - Generic Install

Drawing No. :
9

Sheet:
9 of 17

Date:
14/05/2024

Scale:
NTS

Test Standard:
AS1530.4

Fire resistance level:

Based on Report No.:

Codes:

Drawn By:
JC

Checked By:
CT

Revision:

Date:

No.:

NOTICE:

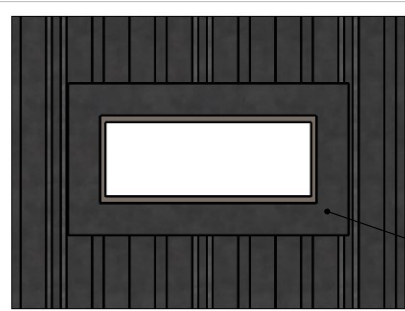
NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)



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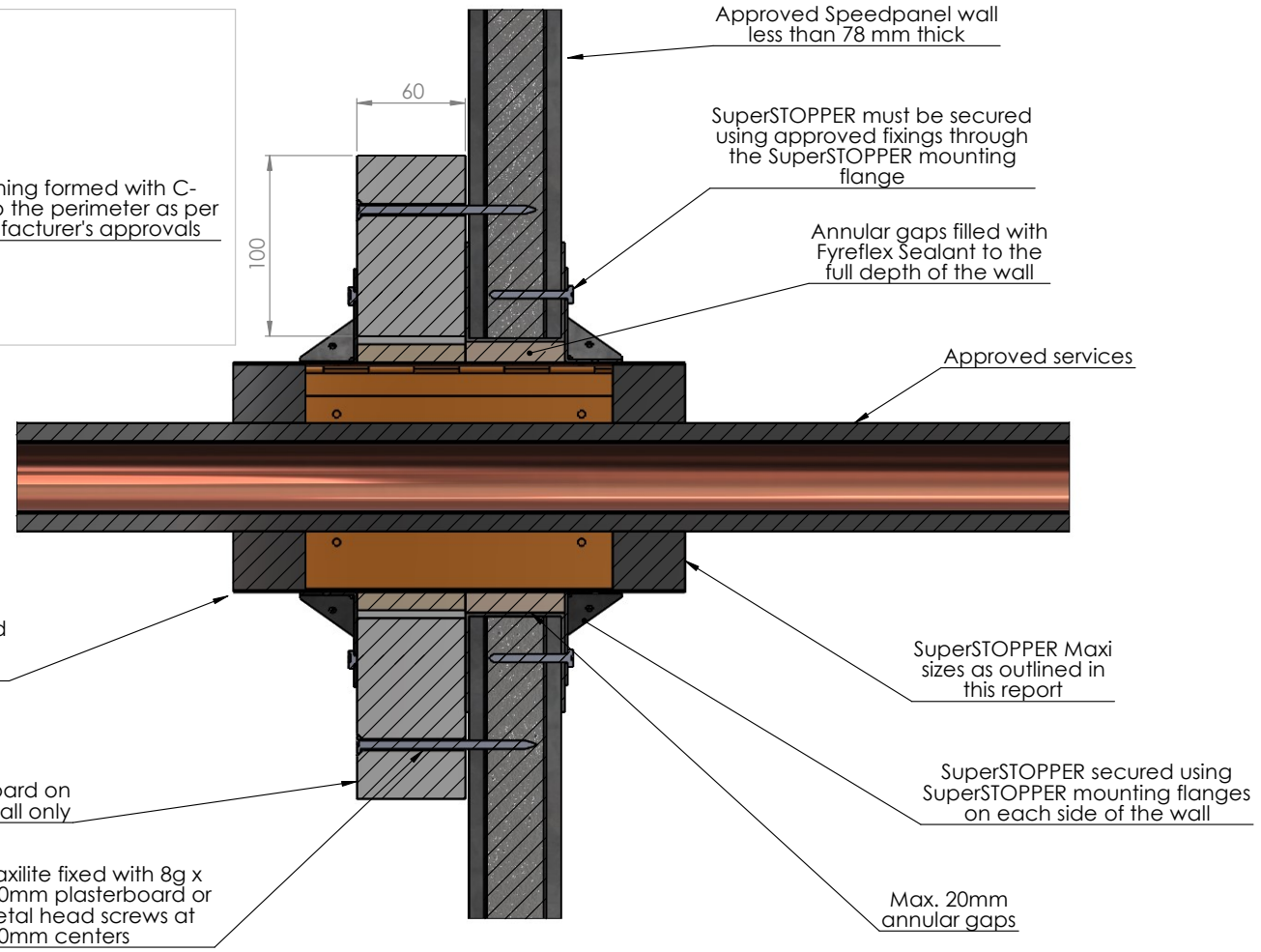
STANDARD DRAWING
 PROJECT DRAWING

Speedpanel 51mm and 64mm Walls



Speedpanel wall opening

Opening formed with C-Track to the perimeter as per manufacturer's approvals



Approved Speedpanel wall less than 78 mm thick

SuperSTOPPER must be secured using approved fixings through the SuperSTOPPER mounting flange

Annular gaps filled with Fyreflex Sealant to the full depth of the wall

Approved services

SuperSTOPPER located centrally to the thickness of the wall

SuperSTOPPER Maxi sizes as outlined in this report

60mm Maxilite board on one side of the wall only

SuperSTOPPER secured using SuperSTOPPER mounting flanges on each side of the wall

Maxilite fixed with 8g x 100mm plasterboard or metal head screws at 200mm centers

Max. 20mm annular gaps

Drawing Name: Speedpanel <78mm

Test Standard:
AS1530.4

Codes:

Revision:

Date:

No.:

NOTICE:

Project Title: SuperSTOPPER Maxi - Generic Install

Fire resistance level:

Drawn By:
JC

NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)

Drawing No. :
10

Sheet:
10 of 17

Date:
14/05/2024

Scale:
NTS

Based on Report No.:

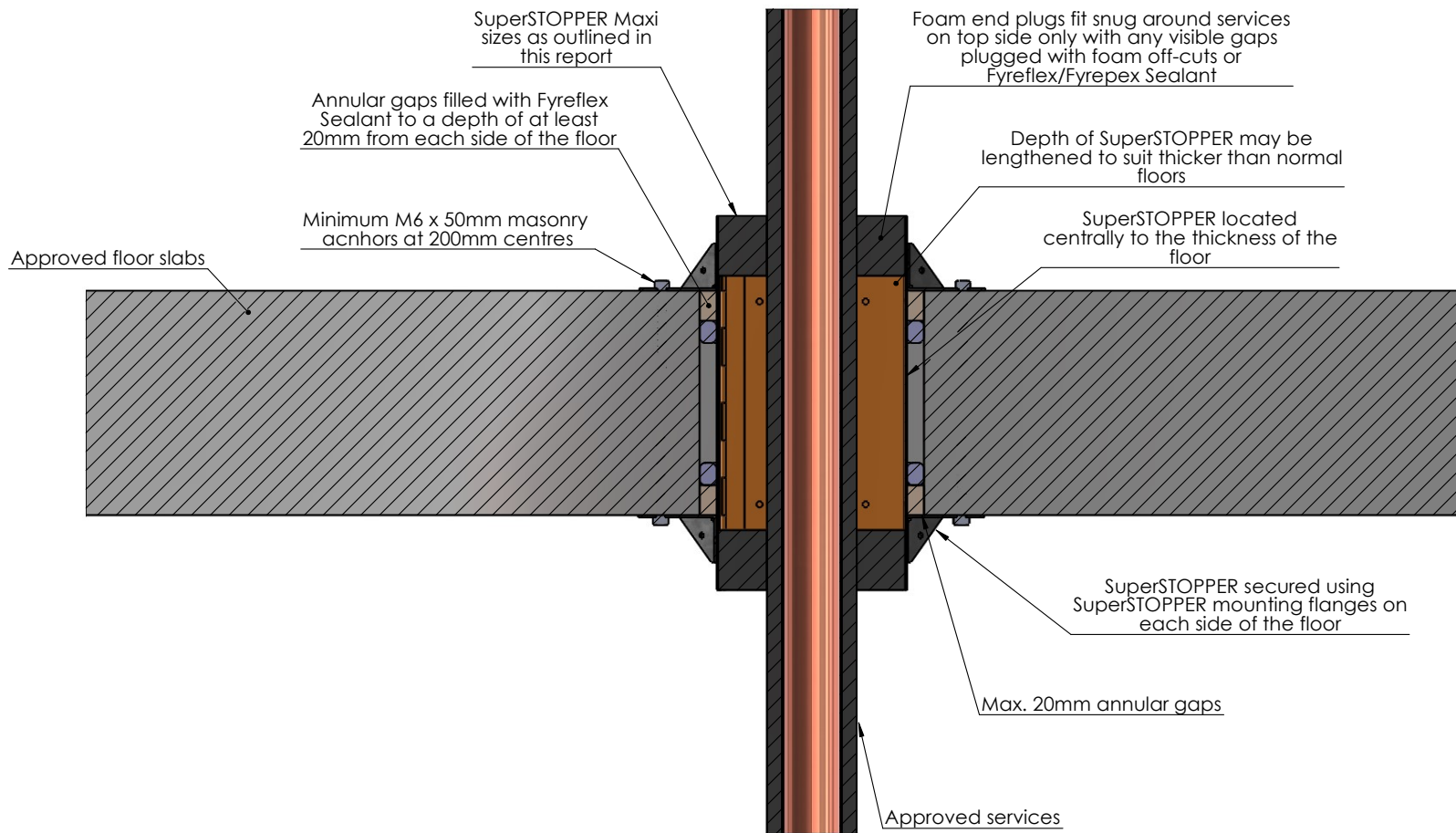
Checked By:
CT

STANDARD DRAWING
 PROJECT DRAWING



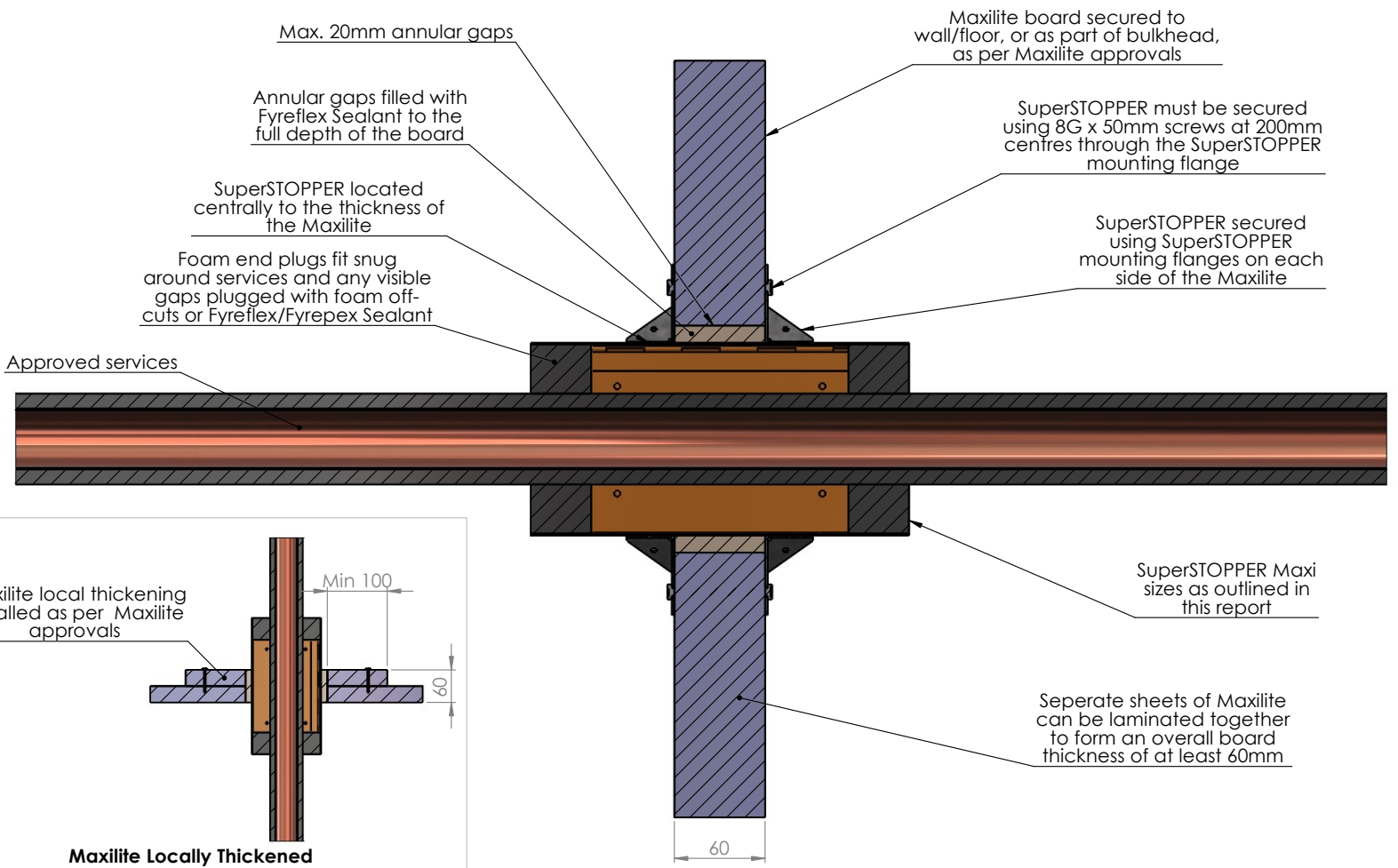
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Concrete Slabs (with or without permanent formwork)



Drawing Name: Concrete Slabs				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small> Trafalgar Head Office: 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
Drawing No. : 11	Sheet: 11 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

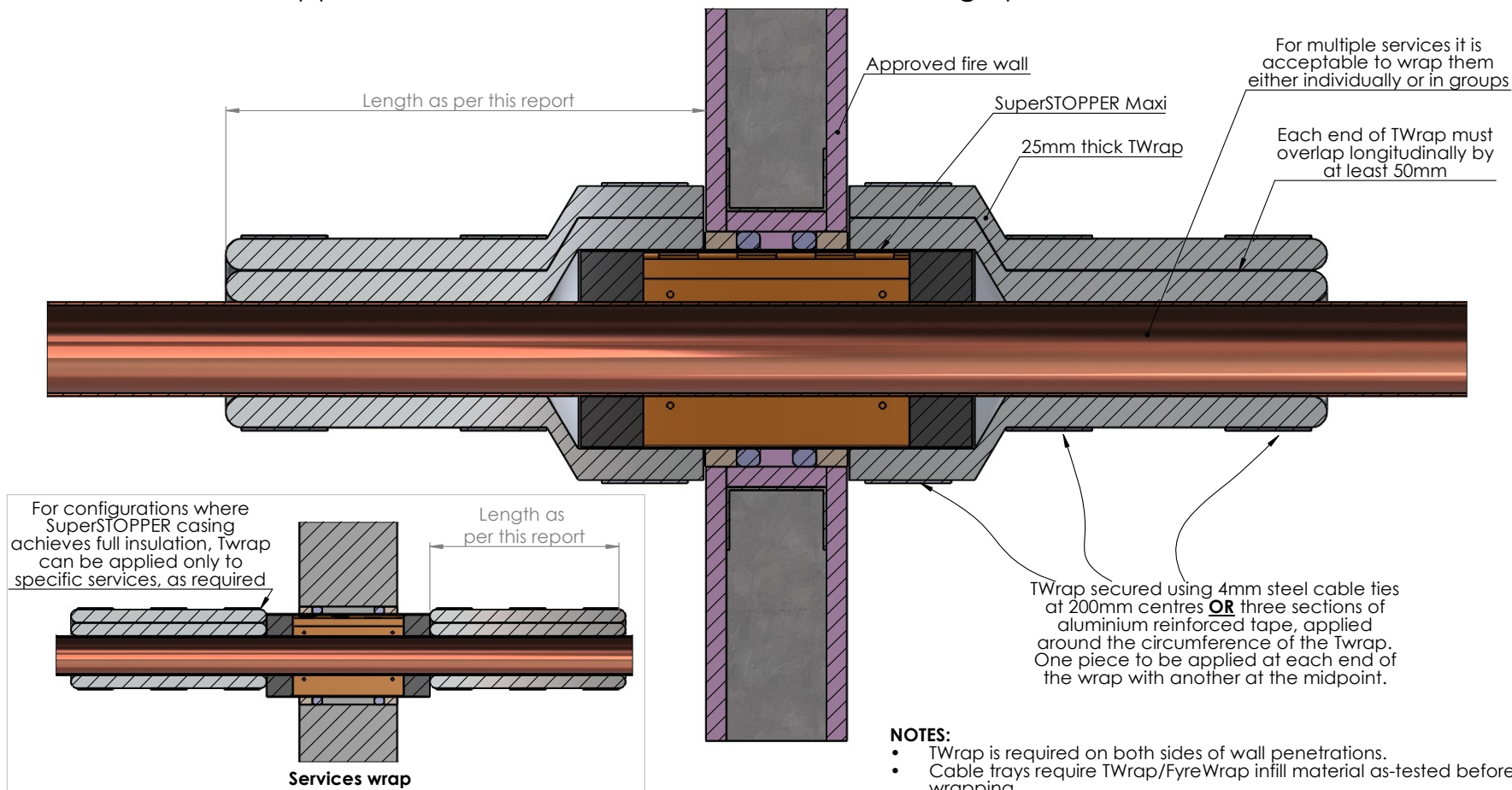
Maxilite Board



Drawing Name: Maxilite				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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
Drawing No. : 12	Sheet: 12 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

TWrap (Standard Details) - Fire Rated Walls

Where the SuperSTOPPER and/or services do not achieve full insulation, TWrap can be applied in order to increase this insulation rating up to -/XXX/120.



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

Drawing Name: TWrap - Walls

Project Title: SuperSTOPPER Maxi - Generic Install

Drawing No. :
13

Sheet:
13 of 17

Date:
14/05/2024

Scale:
NTS

Test Standard:
AS1530.4

Fire resistance level:

Based on Report No.:

Codes:

Drawn By:
JC

Checked By:
CT

Revision:

- STANDARD DRAWING
 PROJECT DRAWING

Date:

No.:

NOTICE:

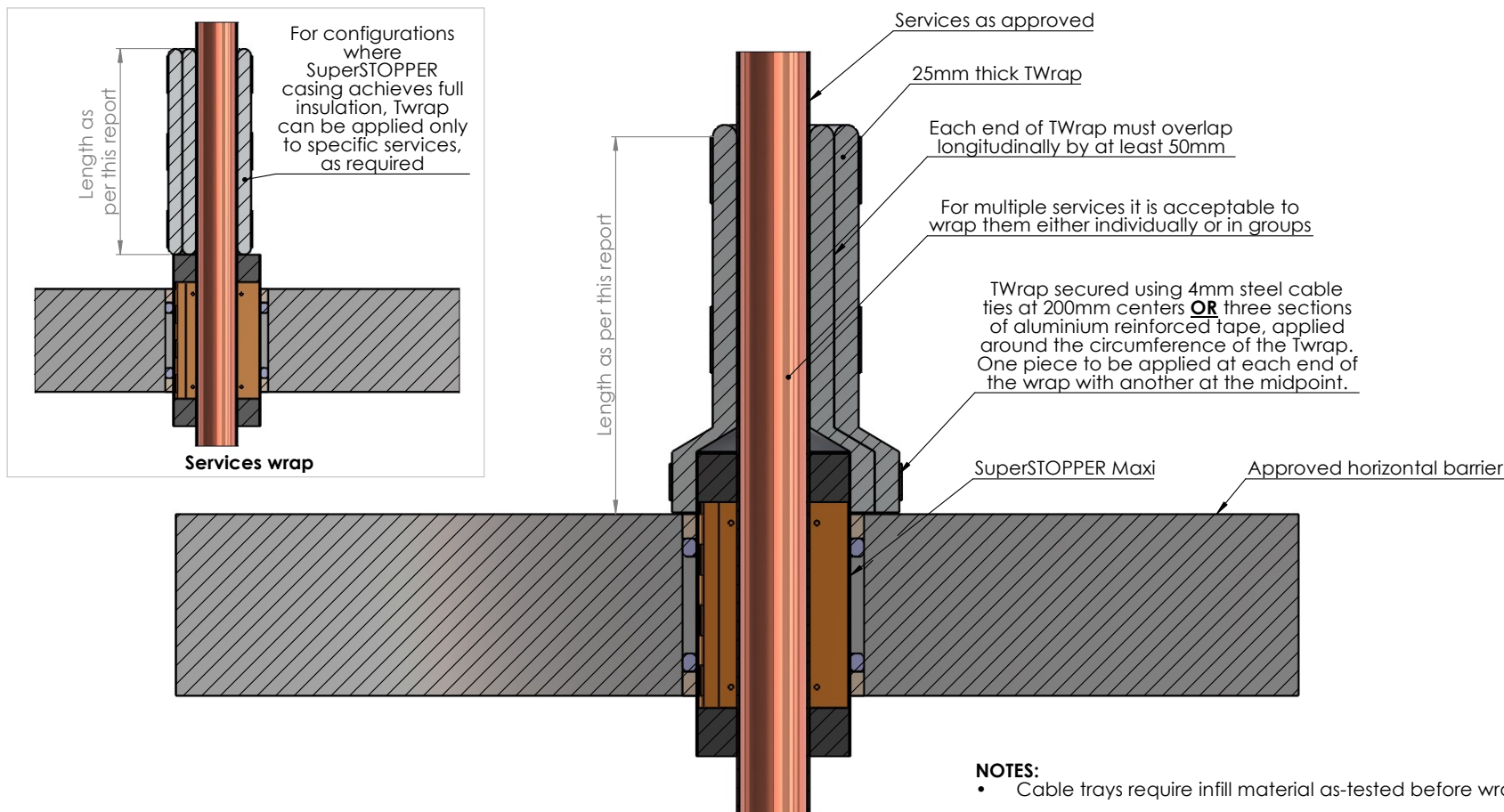
NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)



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TWrap (Standard Details) - Fire Rated Floors

Where the SuperSTOPPER and/or services do not achieve full insulation, TWrap can be applied in order to increase this insulation rating up to -/XXX/120.

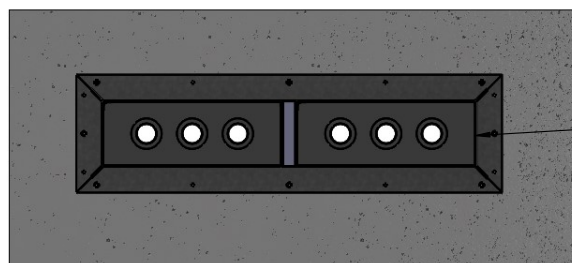


NOTES:

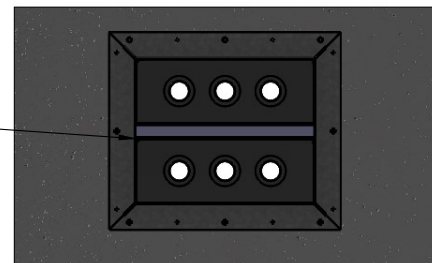
- Cable trays require infill material as-tested before wrapping

Drawing Name: TWrap - Floors				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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
Drawing No. : 14	Sheet: 14 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

Stacked SuperSTOPPER's

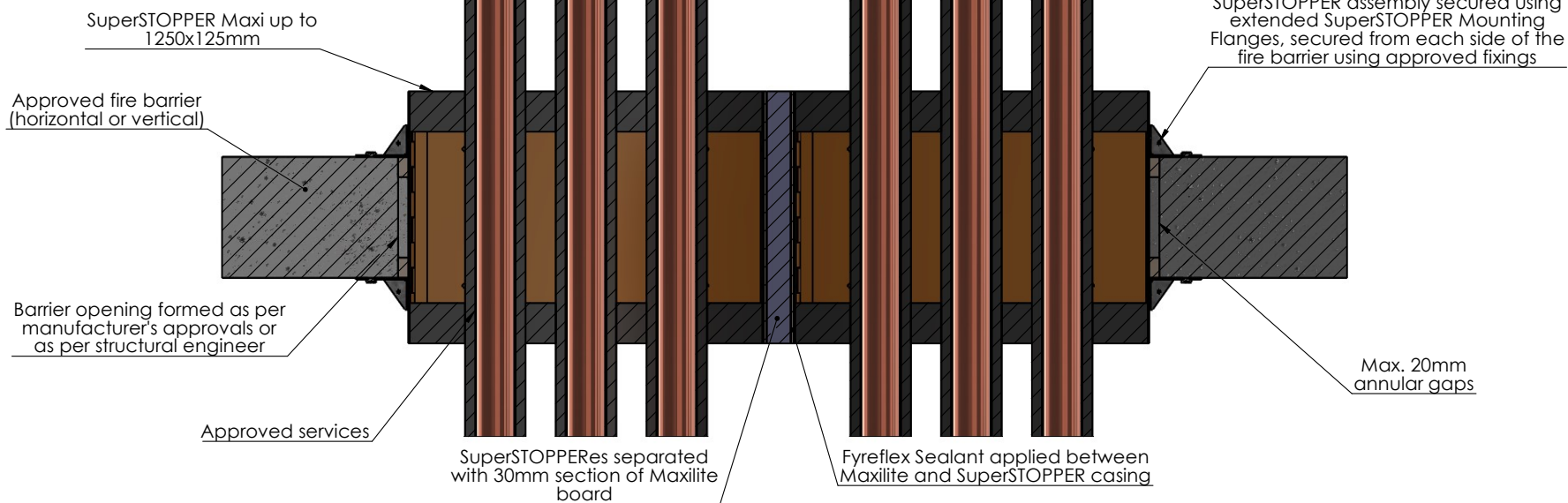


Stacked Horizontal




Stacked Vertical

Multiple SuperSTOPPERs can be stacked side by side, separated by a piece of 30mm Maxilite



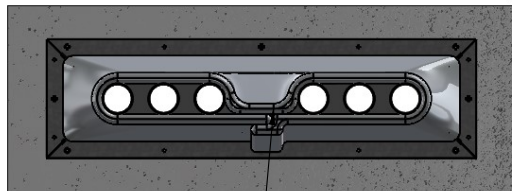
NOTES: This detail is also applicable to the SuperSTOPPER Mini square
 The barrier must be approved to sustain the opening sizes required
 Cable trays require infill material as-tested before wrapping

Drawing Name: Stacked				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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			
Drawing No. : 15	Sheet: 15 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT				

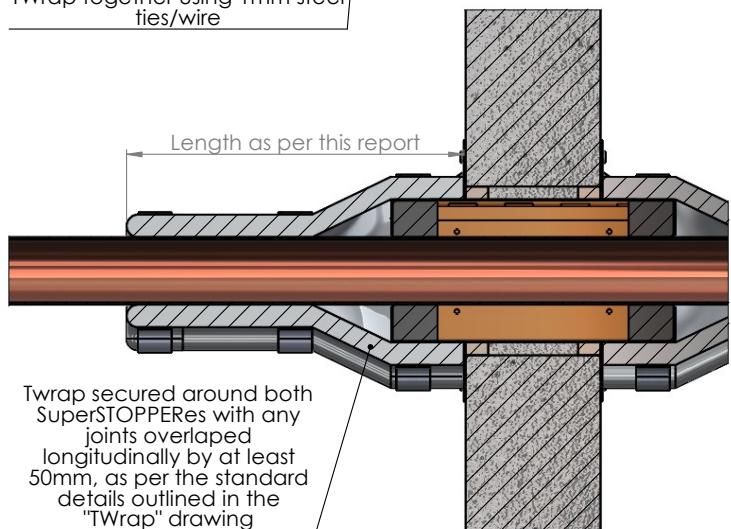
Applying TWrap To Stacked SuperSTOPPER's

- TWrap detail required on BOTH sides of wall penetrations, but only top side of floors
- Each section of TWrap secured using 4mm steel cable ties at 200mm centers **OR** three sections of aluminium reinforced tape, applied around the circumference of the TWrap. One piece to be applied at each end of the wrap with another at the midpoint.
- Cable trays require infill material as-tested before wrapping

Stacked Horizontal



Where there are any gaps over 150mm between services, pin TWrap together using 1mm steel ties/wire

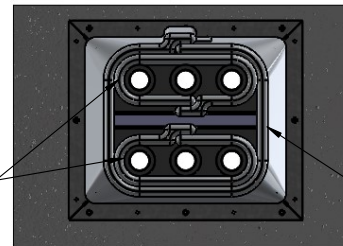


Length as per this report

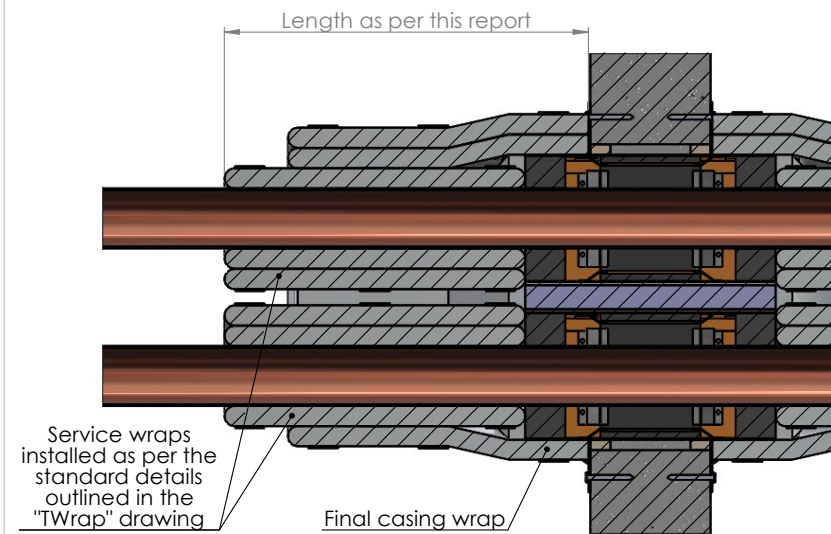
Twrap secured around both SuperSTOPPERs with any joints overlapped longitudinally by at least 50mm, as per the standard details outlined in the "TWrap" drawing

Stacked Vertical

TWrap is to be first applied to the service bundles, penetrating out of each SuperSTOPPER, with any joints overlapped longitudinally by at least 50mm



Finally, TWrap is applied around both SuperSTOPPERs (and the both of the service wraps) with any joints overlapped longitudinally by at least 50mm



Length as per this report

Service wraps installed as per the standard details outlined in the "TWrap" drawing

Final casing wrap

Drawing Name: Stacked - TWrap

Project Title: SuperSTOPPER Maxi - Generic Install

Drawing No. :
16

Sheet:
16 of 17

Date:
14/05/2024

Scale:
NTS

Test Standard:
AS1530.4

Fire resistance level:

Based on Report No.:

Codes:

Drawn By:
JC

Checked By:
CT

Revision:

STANDARD DRAWING
 PROJECT DRAWING

Date:

No.:

NOTICE:

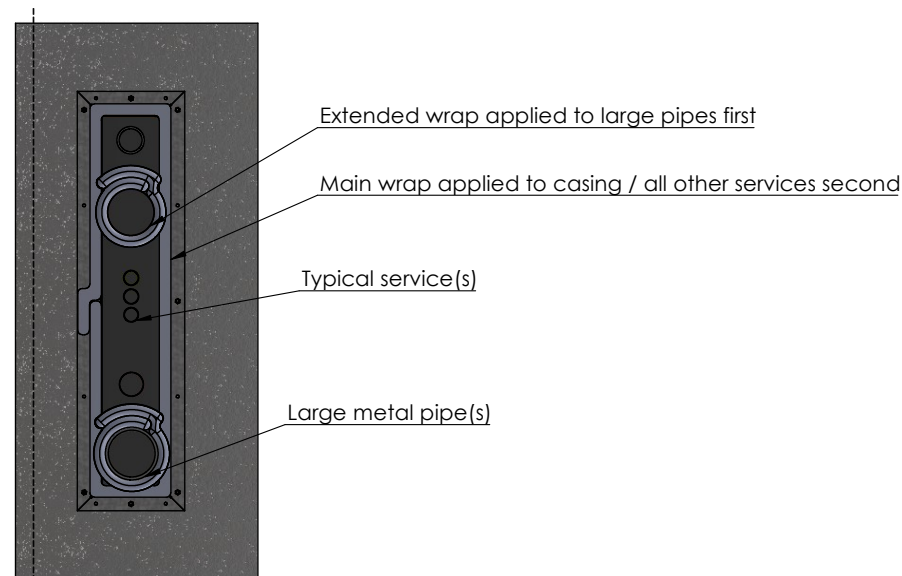
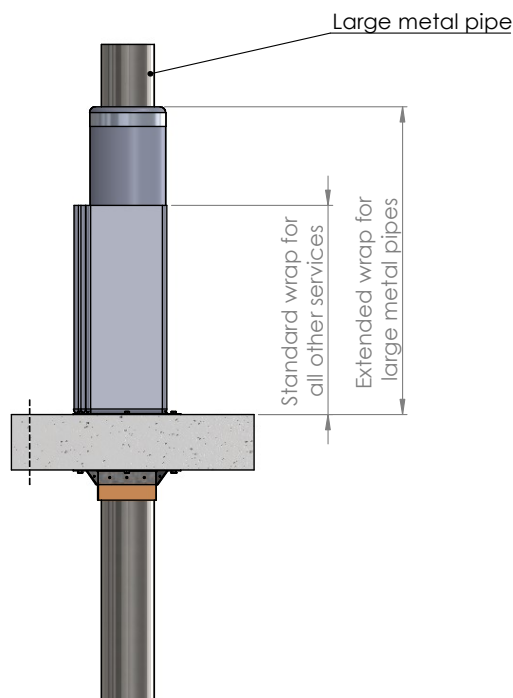
NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)



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Applying TWrap to metal pipes above NB50

- Twrap applied around pipes first for large pipes, specific lengths as detailed in this report for pipes greater than NB50.
- Each section of TWrap secured using 4mm wide steel cable ties at 200mm centers **OR** three sections of aluminium reinforced tape, applied around the circumference of the Twrap. One piece to be applied at each end of the wrap with another at the midpoint.
- Secondary wrap applied around casing / all other services (as needed) for standard lengths as per this report

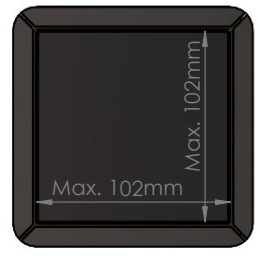
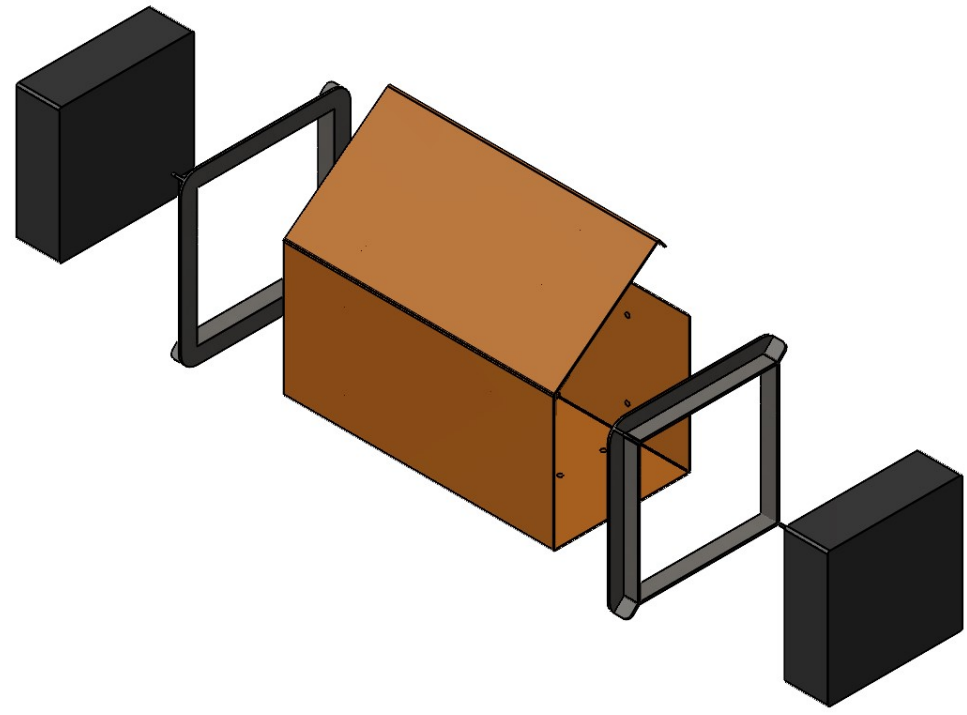
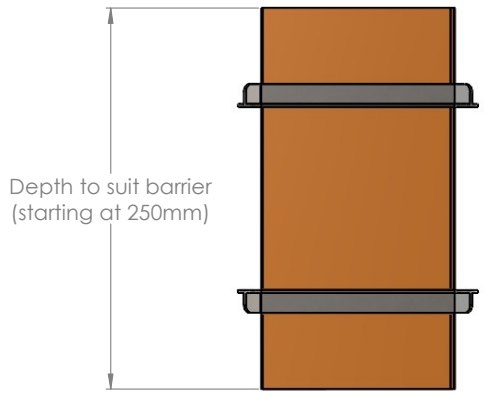


NOTES:

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

Drawing Name: TWrap - Large metal pipes				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE: <small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>
Project Title: SuperSTOPPER Maxi - Generic Install				Fire resistance level:	Drawn By: JC				
Drawing No. : 17	Sheet: 17 of 17	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING		 Trafalgar Head Office: 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	


SuperSTOPPER Mini - Product Overview



SuperSTOPPER Mini Square

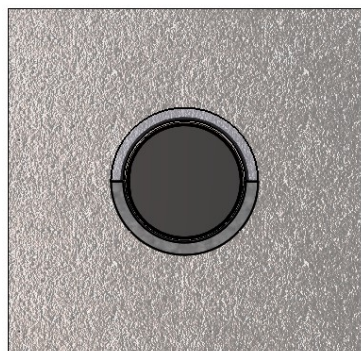
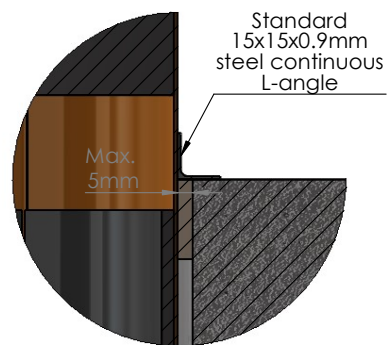


SuperSTOPPER Mini Round

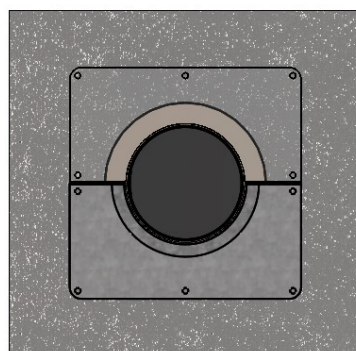
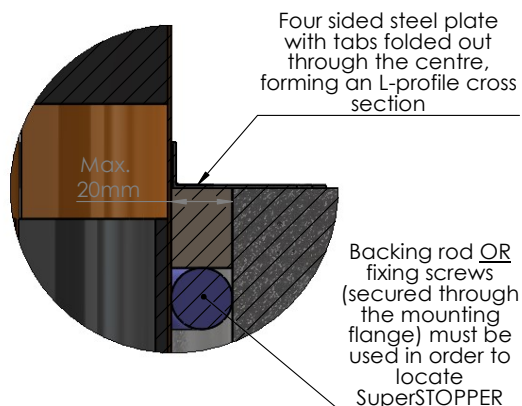
Drawing Name: Overview				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Drawing Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au			
Drawing No. : 1	Sheet: 1 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT				

SuperSTOPPER Mini (Round or Square) - Annular Gaps

Standard Flange
 Up to 5mm annular gaps

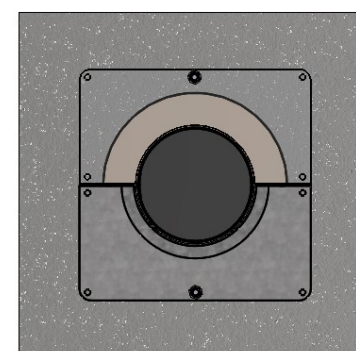
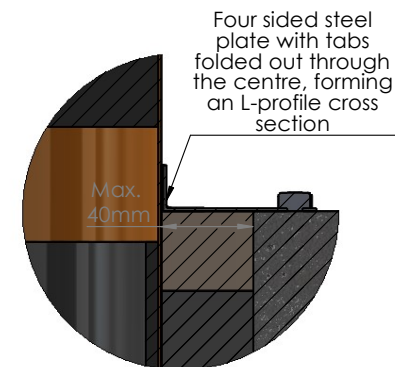


Updated Flange
 Up to 20mm annular gaps



Enlarged Updated Flange
 Up to 40mm annular gaps*

*Must follow additional details as outlined in the "Oversized / Scalloped Openings" drawing of this report



Drawing Name: Annular Gaps

Project Title: SuperSTOPPER Mini -Generic Install

Drawing No. :
2

Sheet:
2 of 13

Date:
10/05/2024

Scale:
NTS

Test Standard:
AS1530.4

Fire resistance level:

Based on Report No.:

Codes:

Drawn By:
JC

Checked By:
CT

Revision:

Date:

No.:

NOTICE:

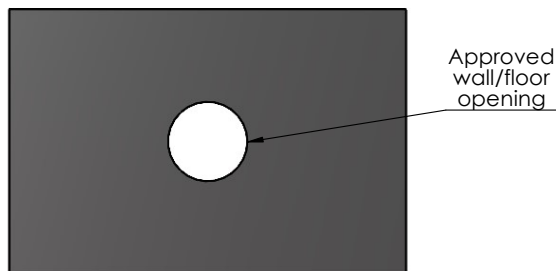
NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)

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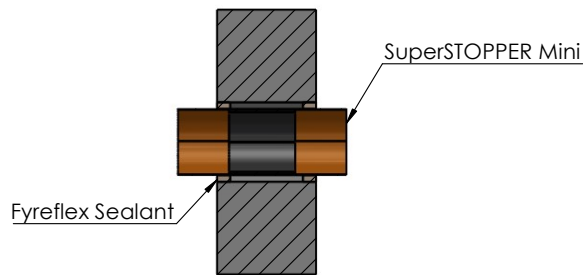
STANDARD DRAWING
 PROJECT DRAWING

SuperSTOPPER Mini (Round or Square) - Installation Overview

STEP 1

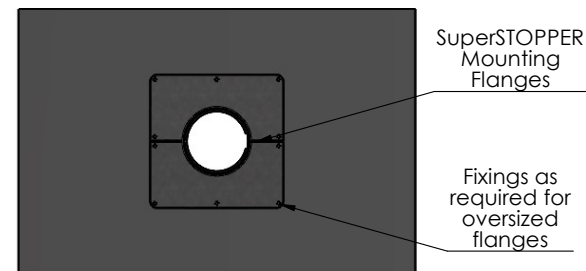


Form opening so that annular gaps between SuperSTOPPER Mini and wall/floor will not exceed 20mm



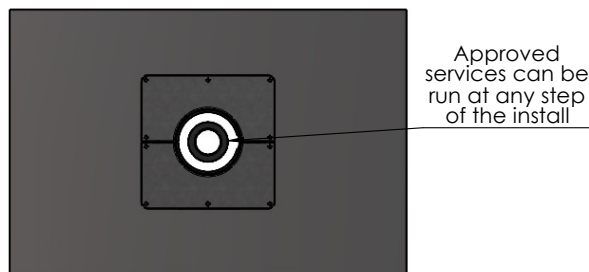
Insert SuperSTOPPER Mini into opening so that it is central to the thickness of the wall/floor. Fill annular gaps with Fyreflex Sealant to a depth of at least 20mm from each side of the barrier.

STEP 3



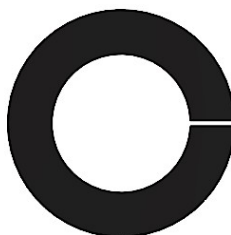
Fit mounting flanges (as per 'SuperSTOPPER Mini Mounting Flanges' drawing) around SuperSTOPPER, from each side of the wall/floor, clamping SuperSTOPPER in place. Secure using the clamping method or optional fixings as required

STEP 4



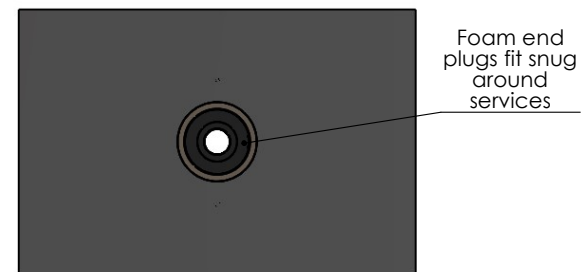
Run approved services through the SuperSTOPPER opening. Please note, the SuperSTOPPER Mini has a hinged lid and is also suitable for retrofitting around existing services

STEP 5




Retrieve foam end plugs and form openings to match the services within the SuperSTOPPER. Cutting a slit through these openings will allow for the plug to be opened and inserted around the existing services

STEP 6

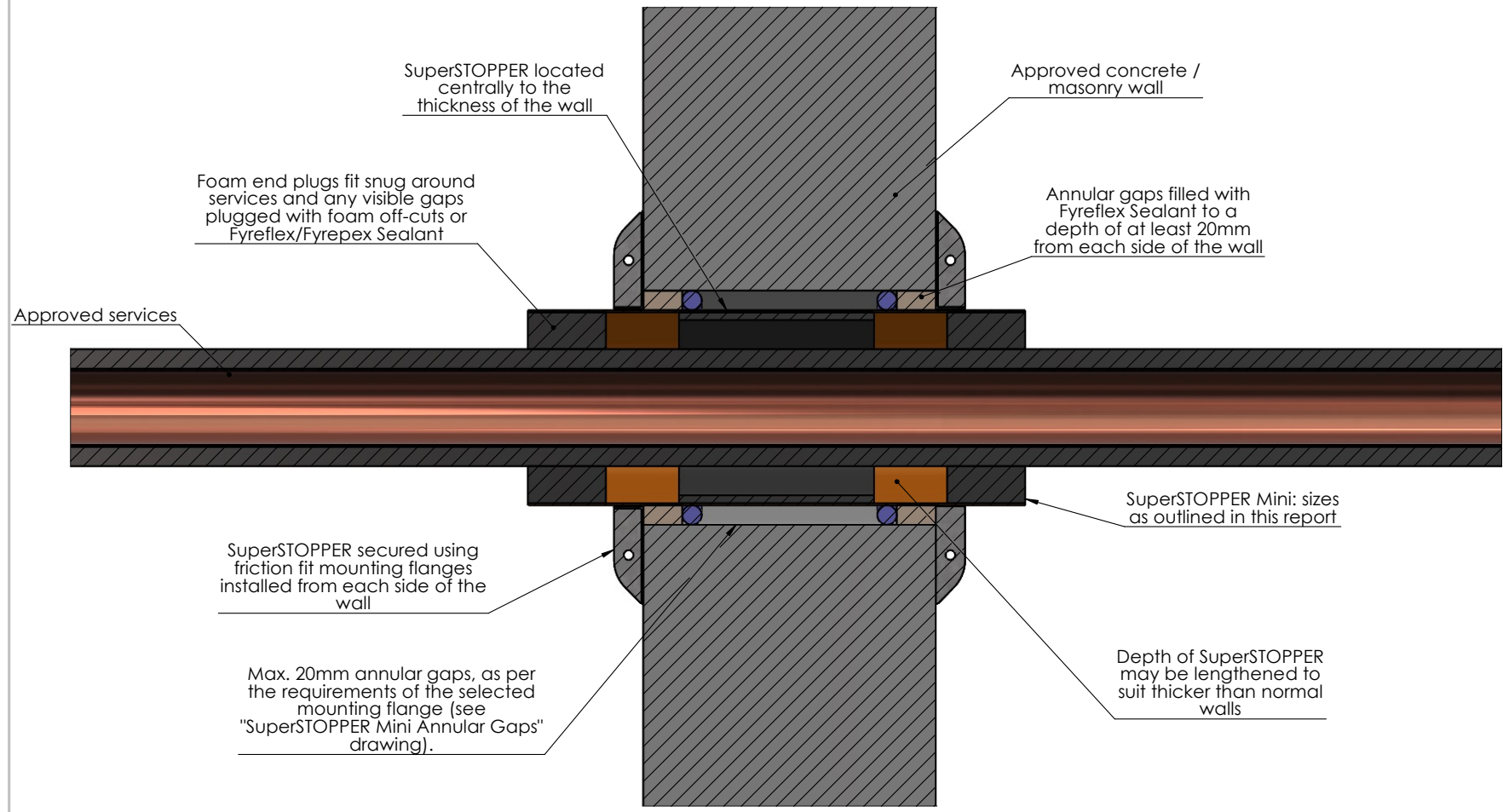



Fit foam end plugs tightly around the services, from each side of the SuperSTOPPER, and plug any gaps with foam off cuts or Fyreflex/Fyreplex Sealant. Continue to 'TWrap' drawing if wrapping will be required for full insulation.

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

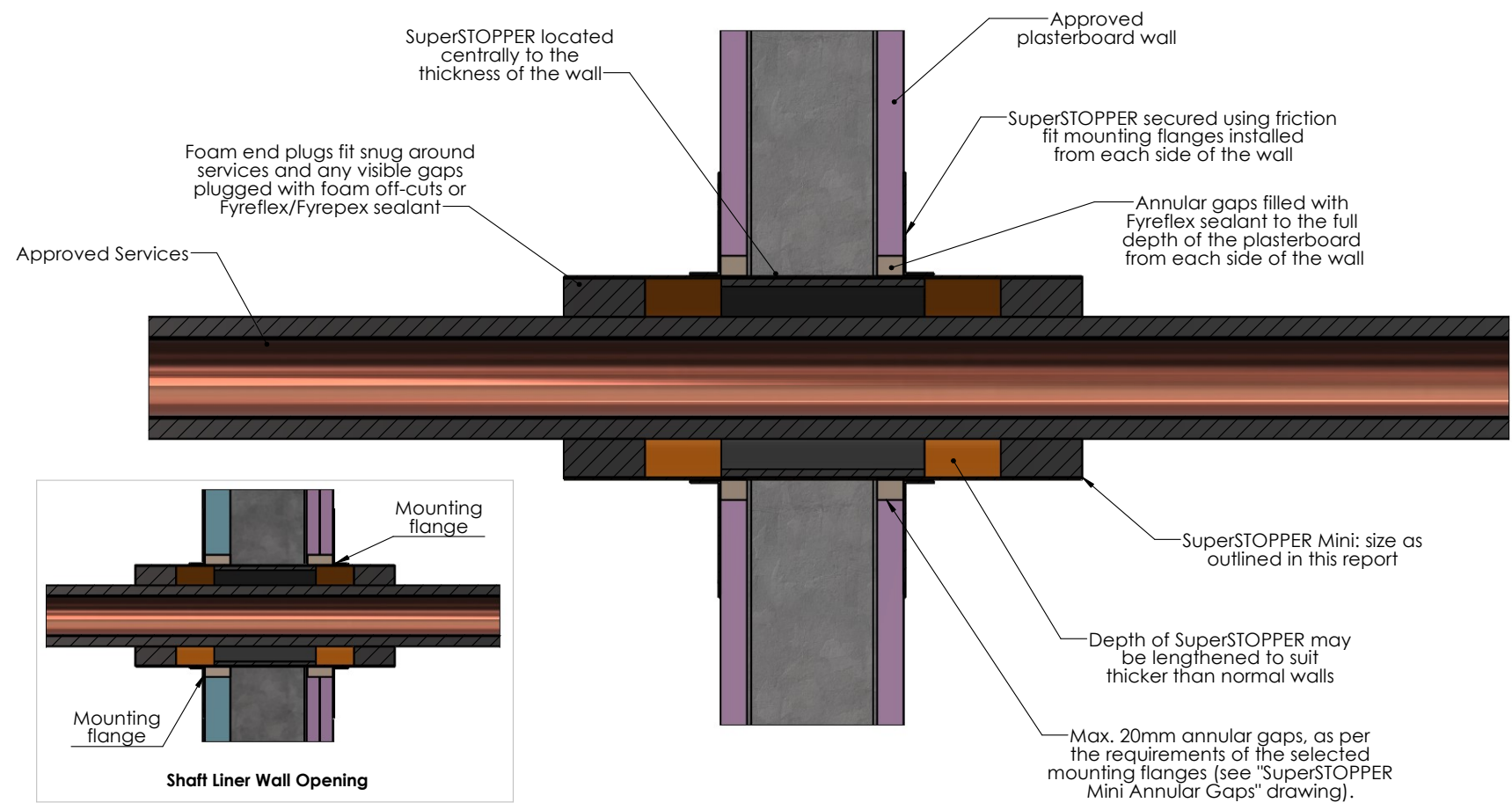
Drawing Name: Installation Overview				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
Drawing No. : 3	Sheet: 3 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			


Concrete / Masonry Walls (with or without permanent formwork)



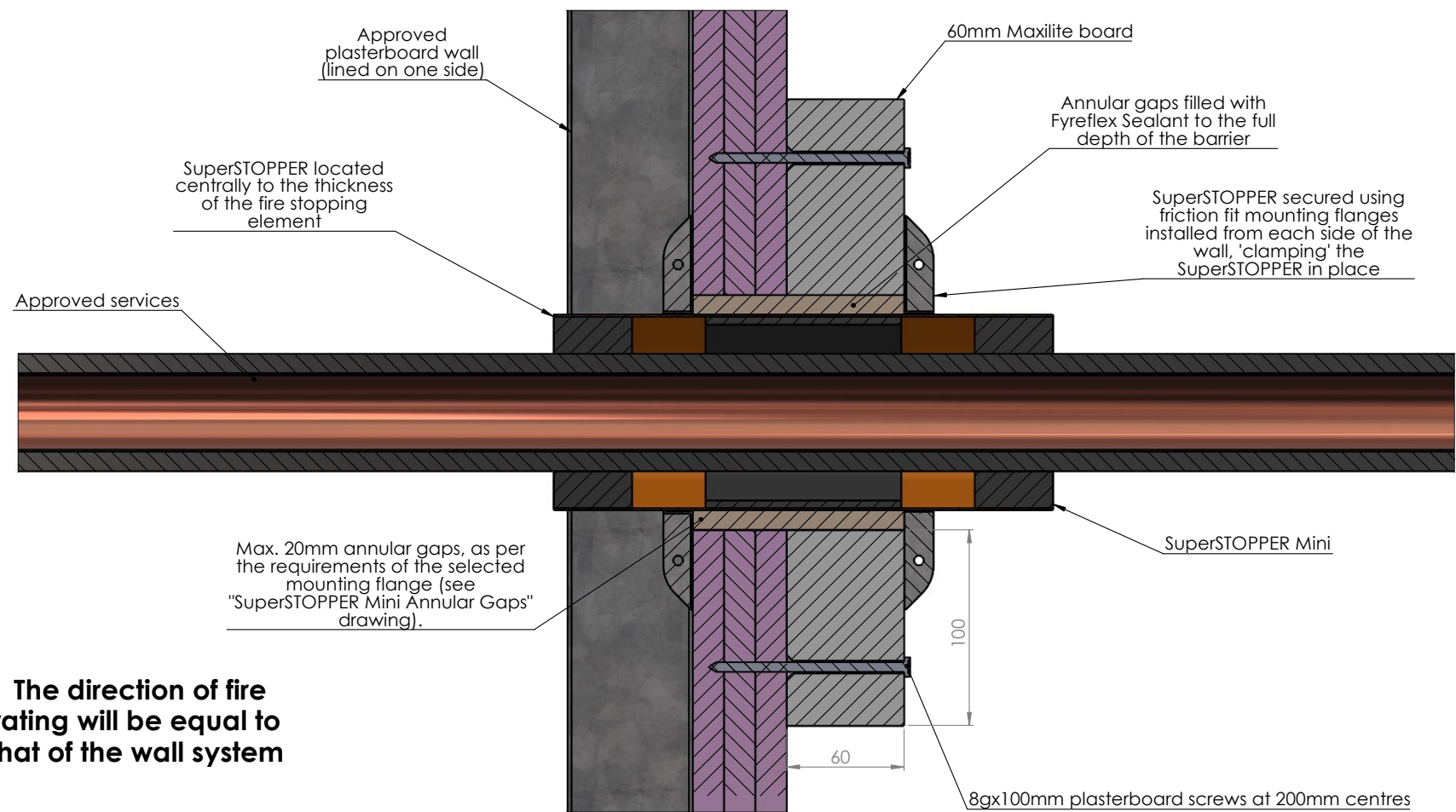
Drawing Name: Concrete / Masonry Wall				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
Drawing No. : 4	Sheet: 4 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

Plasterboard Walls and Shafts - Plasterboard lined on each side




Drawing Name: Plasterboard - Lined Each Side				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: RH				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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
Drawing No. : 5	Sheet: 5 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: JH	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

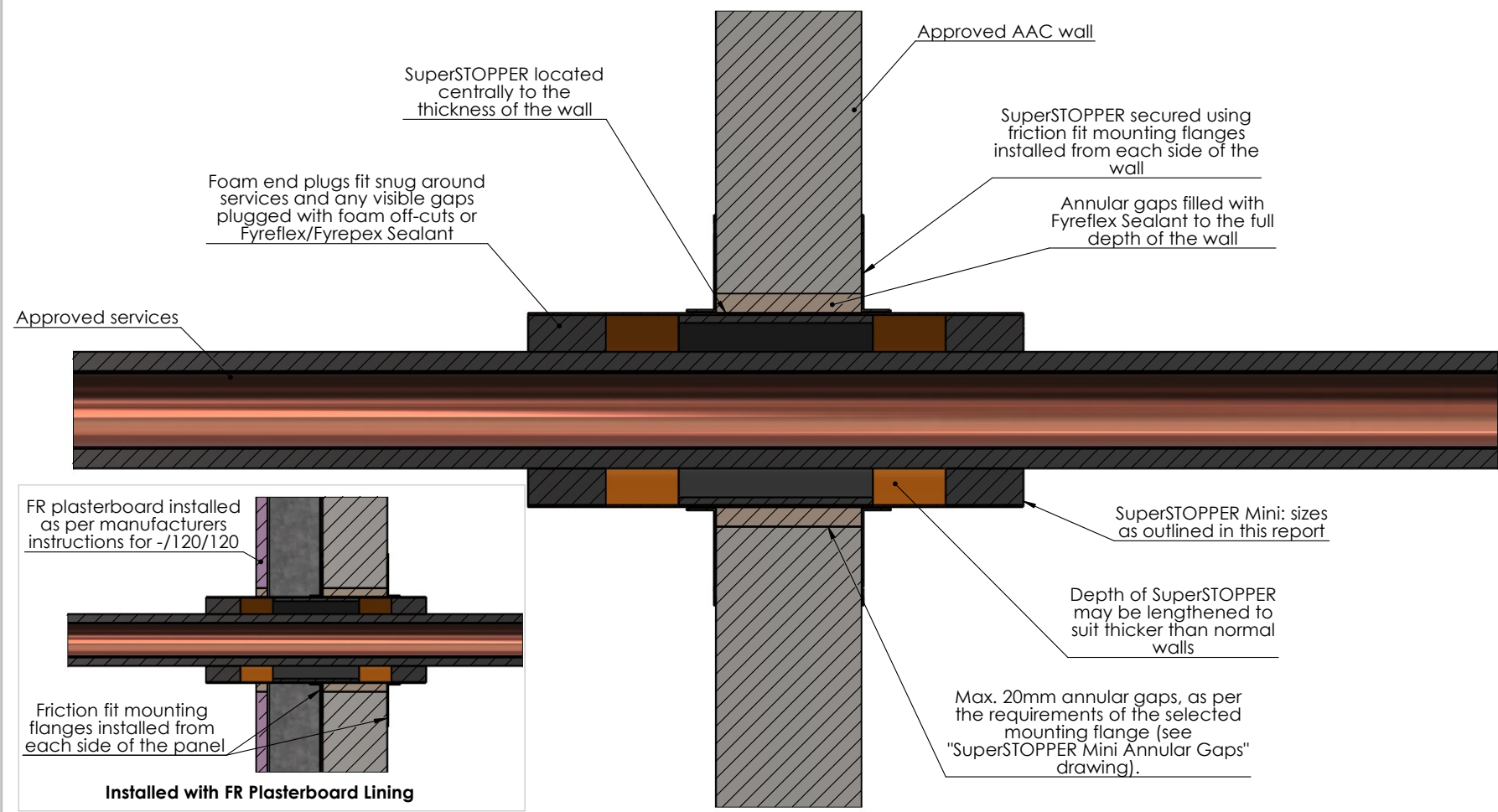
Plasterboard Walls and Shafts - Plasterboard lined on one side




NOTE: If TWrap is to be applied for full insulation, it will only be required in the direction of the fire rating

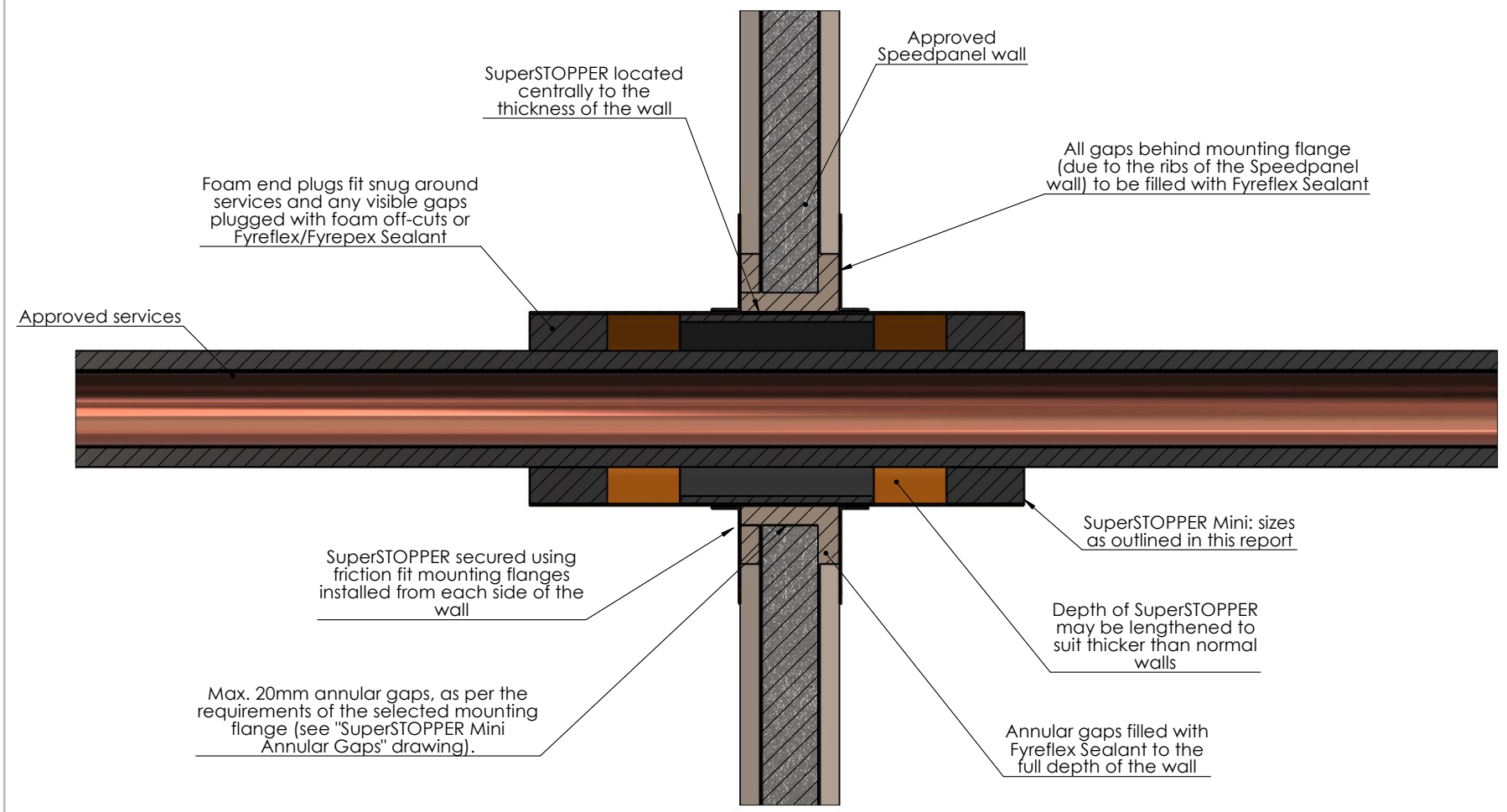
Drawing Name: Plasterboard - Lined One Side				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
Drawing No. : 6	Sheet: 6 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			


Hebel/Walsc AAC Walls



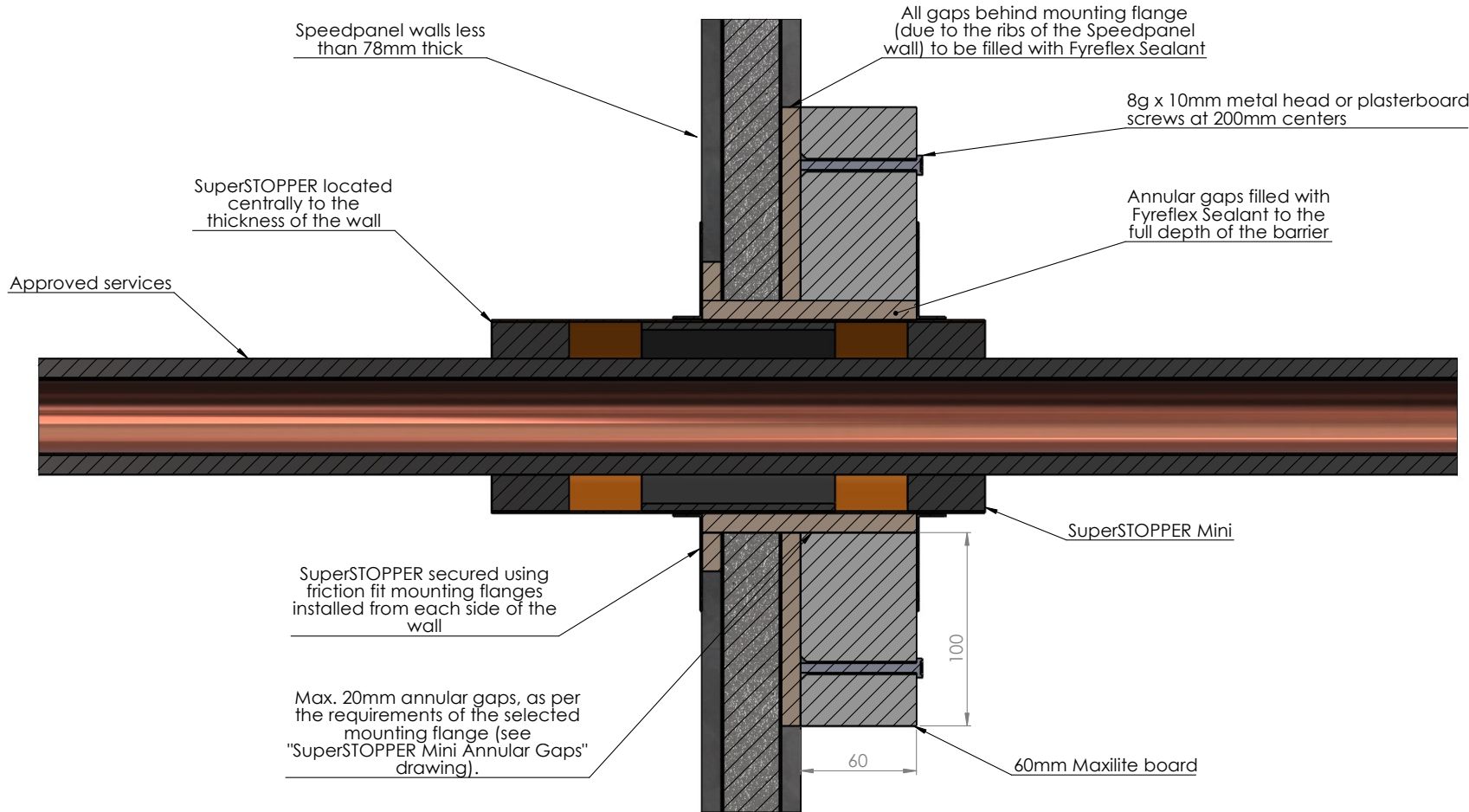
Drawing Name: Hebel/Walsc AAC				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
Drawing No. : 7	Sheet: 7 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			


Speedpanel Walls



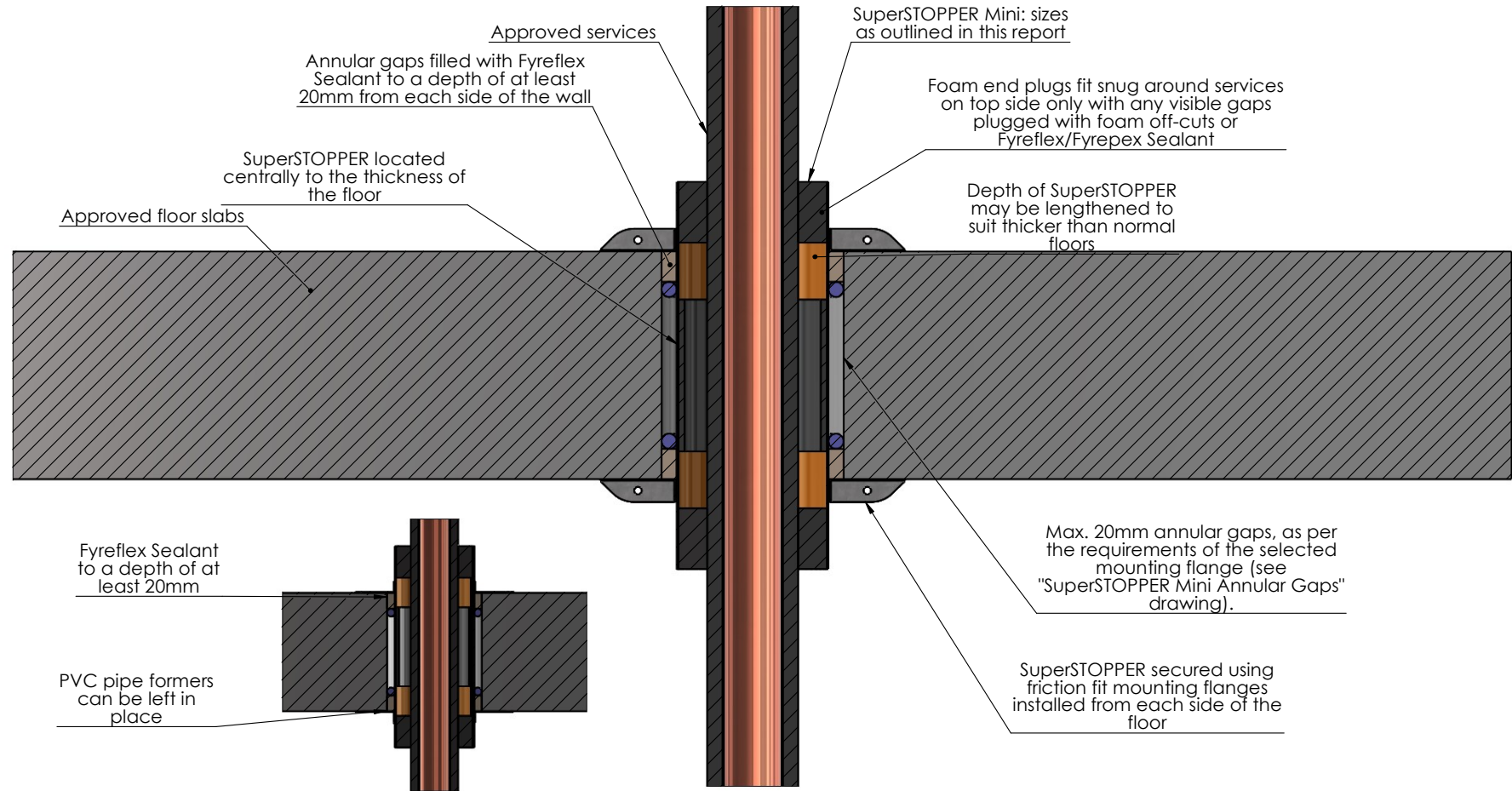
Drawing Name: Speedpanel				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tfire.com.au W: www.tfire.com.au
Drawing No. : 8	Sheet: 8 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			


Speedpanel Walls 51mm and 64mm thick



Drawing Name: Speedpanel <78mm				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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
Drawing No. : 9	Sheet: 9 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

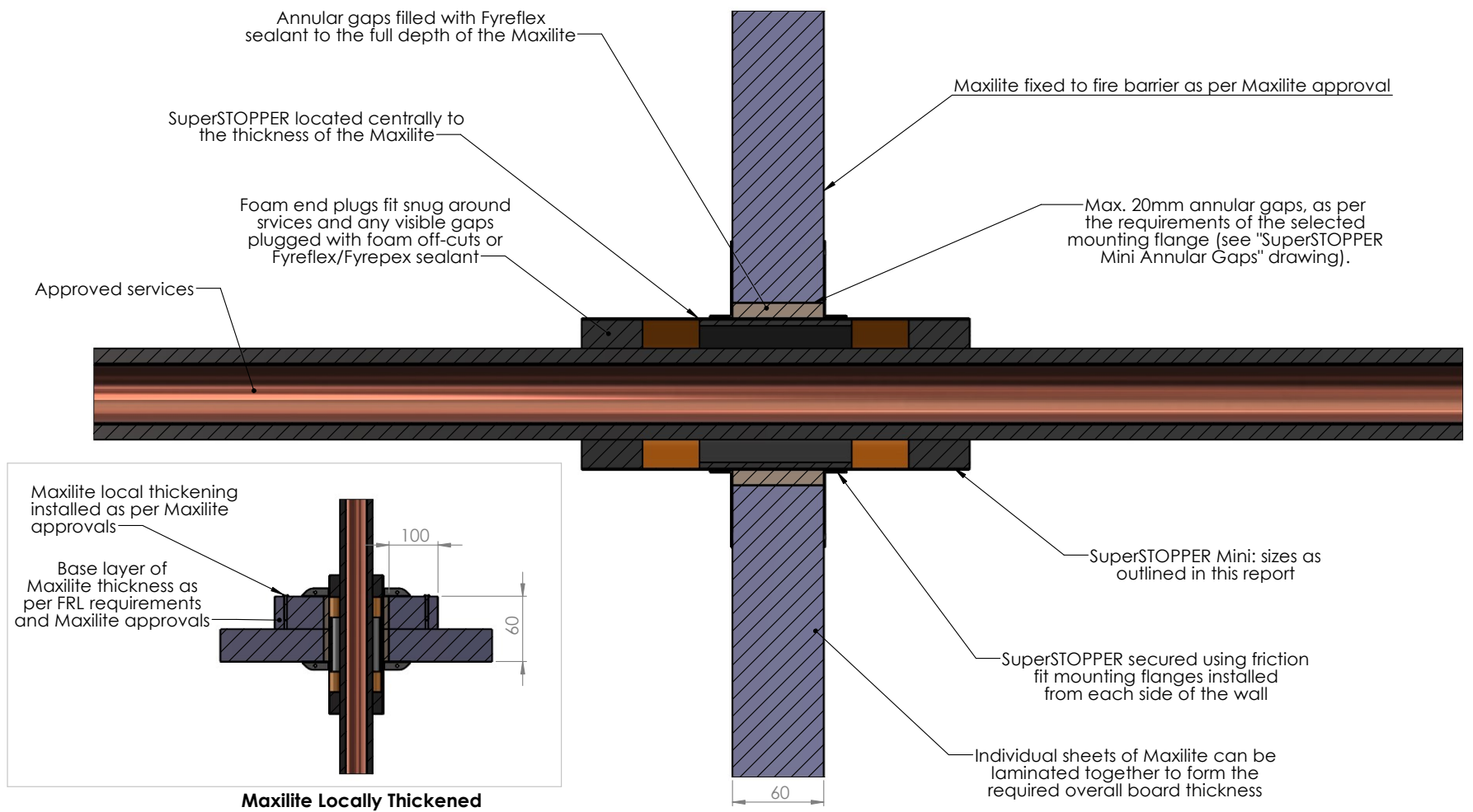
Concrete Slabs (with or without permanent formwork)




Drawing Name: Concrete Slabs				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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
Drawing No. : 10	Sheet: 10 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

Click here to go back to Contents

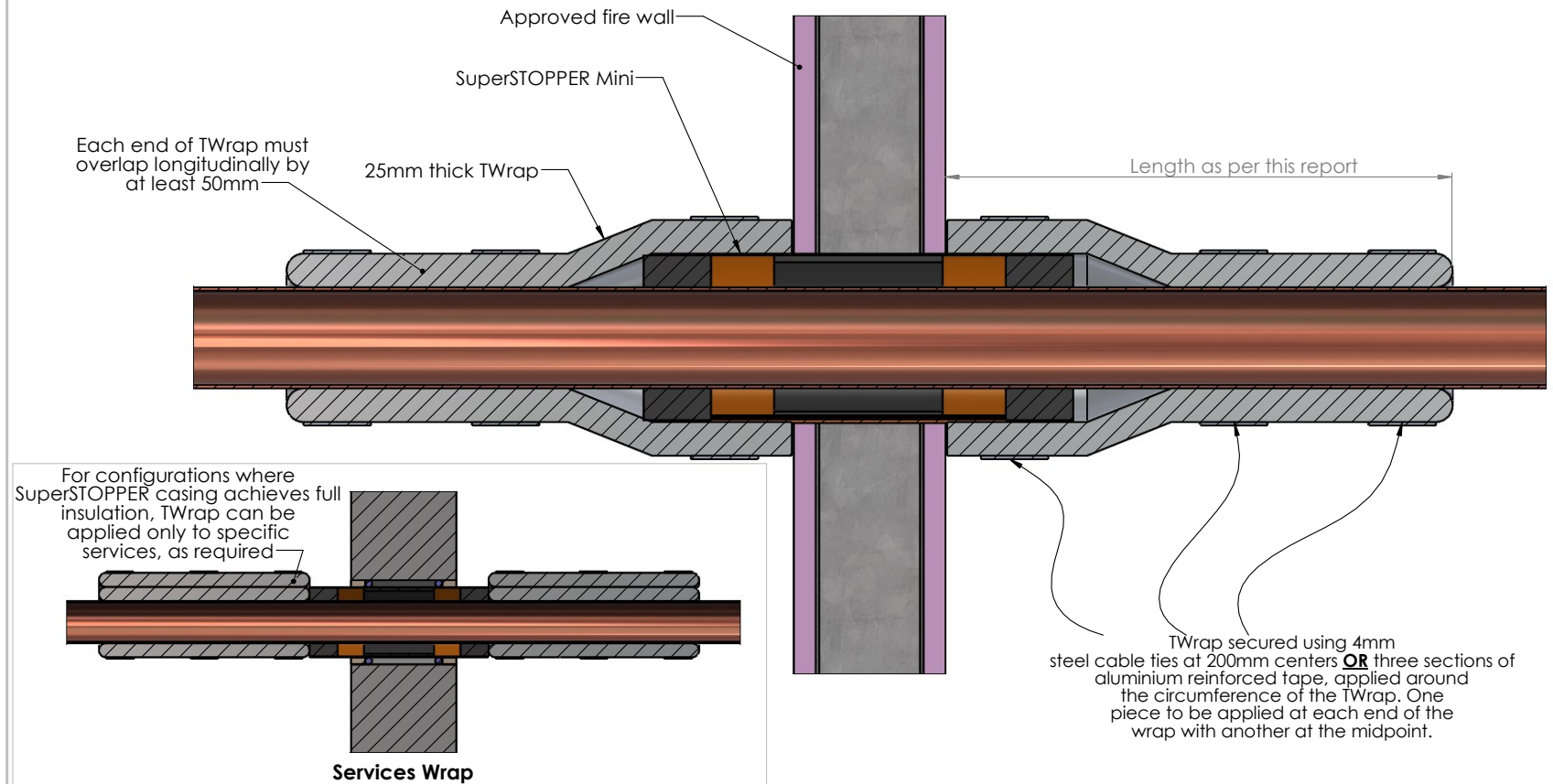
Maxilite




Drawing Name: Maxilite				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: RH	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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			
Drawing No. : 11	Sheet: 11 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: JH				

TWrap - Fire Rated Walls

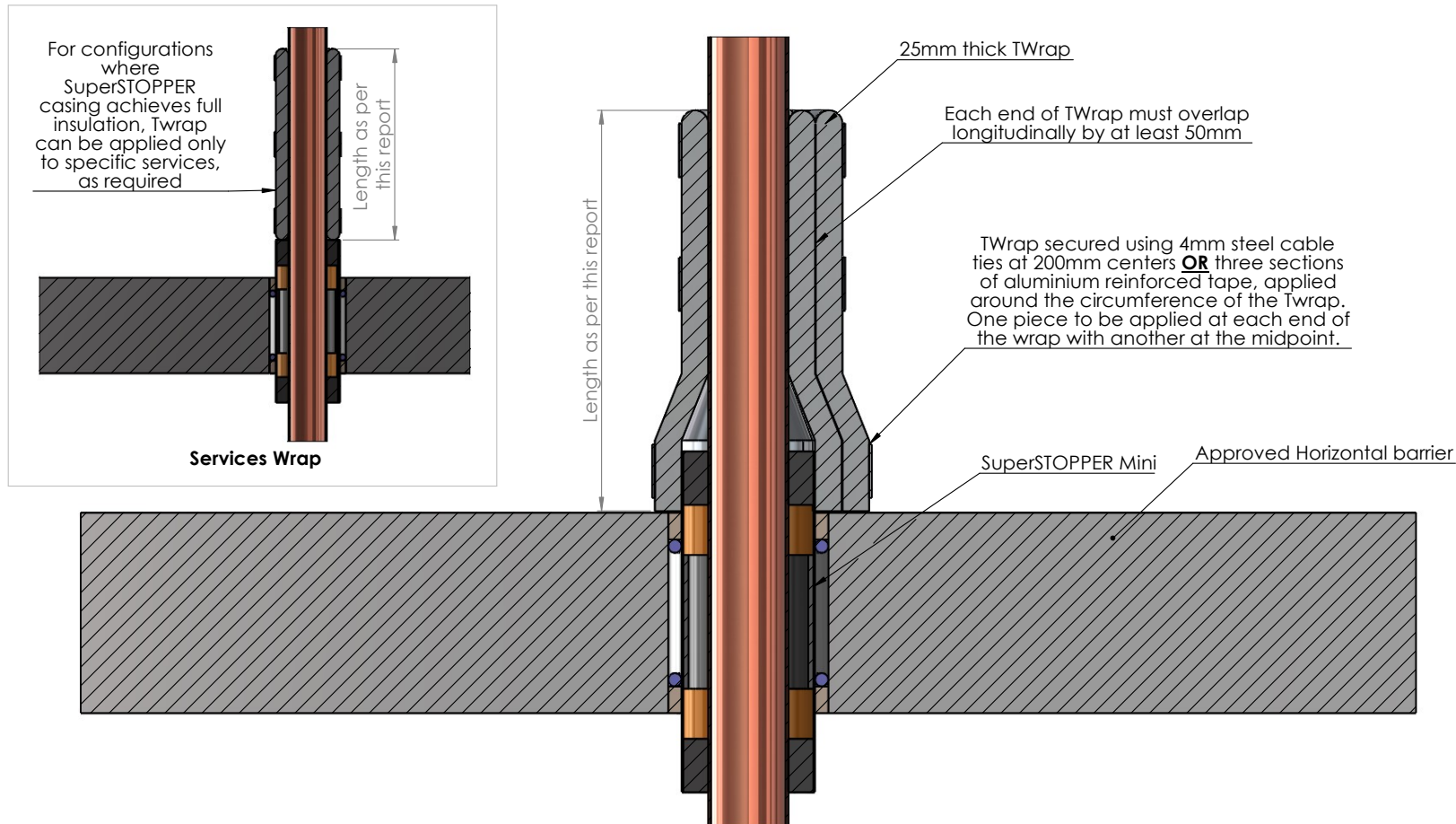
Where the SuperSTOPPER and/or services do not achieve full insulation, TWrap can be applied in order to increase this insulation rating up to - /XXX/120.



Drawing Name: TWrap - Walls				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Mini -Generic Install				Fire resistance level:	Drawn By: RH				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: info@tffire.com.au W: www.tffire.com.au
Drawing No. : 12	Sheet: 12 of 13	Date: 10/05/2024	Scale: NTS	Based on Report No.:	Checked By: JH	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

TWrap - Fire Rated Floors

Where the SuperSTOPPER and/or services do not achieve full insulation, TWrap can be applied in order to increase this insulation rating up to -/XXX/120.



Drawing Name: TWrap - Floors

Project Title: SuperSTOPPER Mini -Generic Install

Drawing No. :
13

Sheet:
13 of 13

Date:
10/05/2024

Scale:
NTS

Test Standard:
AS1530.4

Fire resistance level:

Based on Report No.:

Codes:

Drawn By:
JC

Checked By:
CT

Revision:

STANDARD DRAWING
 PROJECT DRAWING

Date:

No.:

NOTICE:

NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)

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Approved fixings

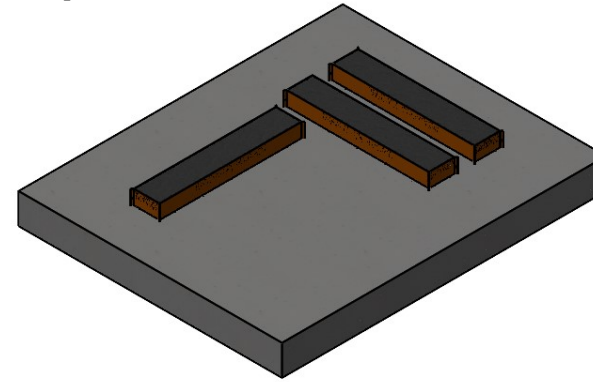
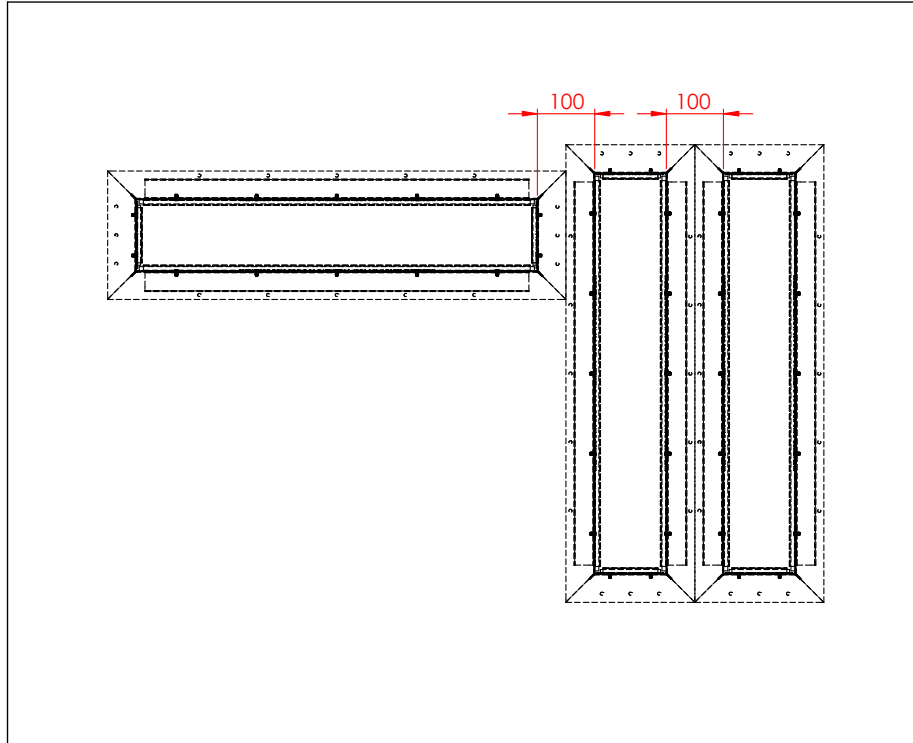
FIXING BETWEEN	FIXING SPECIFICATION (MINIMUM)	ALTERNATE
SuperSTOPPER Slab Mount and concrete slab	6mm expanding masonry bolt	4mm Hilti MX nails 6mm screw-type masonry anchors
SuperSTOPPER mounting flange and plasterboard	40mm laminating screw	8g x 50mm screws (into studwork)
SuperSTOPPER mounting flange and Hebel / Walsc AAC	8g x 50mm screws	14g hex-head fixings (as per typical Hebel specification)
SuperSTOPPER mounting flange and Speedpanel	10g x 25mm self-tapping screws	12-14 x 20mm metal screws
SuperSTOPPER mounting flange and concrete/masonry	6mm expanding masonry bolt	6mm screw-type masonry anchors
SuperSTOPPER mounting flange and Maxilite board	8g x 50mm screws	
Twrap and concrete slab (for 3-sided installation)	6mm expanding masonry bolt	4mm Hilti MX nails 6mm screw-type masonry anchors

Notes:

- All fixings used must be all-steel
- Fixings must be compatible with the barriers as outlined in this report, or as-tested

Drawing Name: Approved fixings				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE: <small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>
Project Title: SuperSTOPPER Install Variations				Fire resistance level:	Drawn By: JC				
Drawing No. : 1	Sheet: 1 of 9	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING		 Trafalgar Head Office: 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	

SuperSTOPPER's In Close Proximity - Floors




Key	SuperSTOPPER Configuration	Minimum Separation Requirement
A	Cast In to Cast In (long edges)	100mm between penetrations (Edge of bottom flanges touching)
B	Cast In to Cast In (short edges)	100mm between penetrations (Edge of bottom flanges touching)

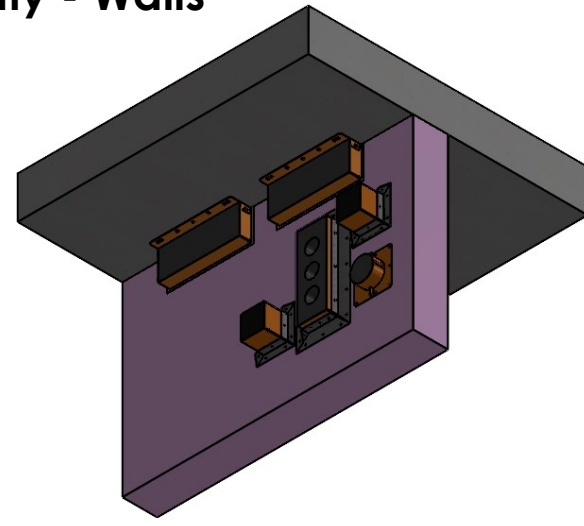
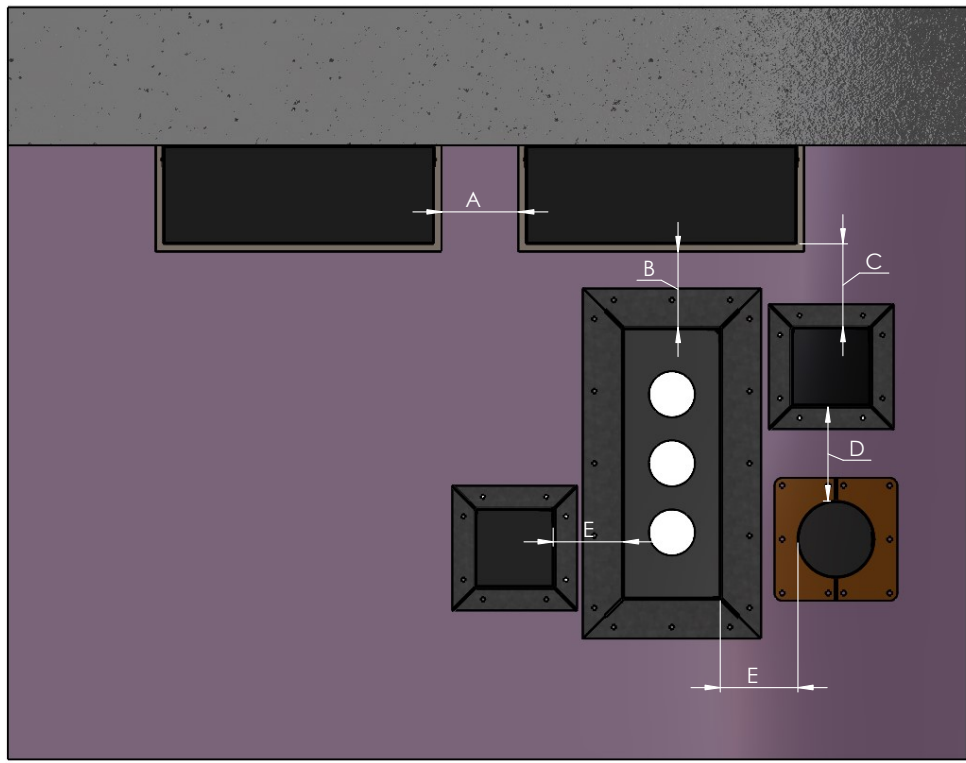
NOTES:

Barrier must be designed or approved for the openings/spacing required

For separation distances between non-SuperSTOPPER penetrations please contact Trafalgar PRIOR to installation


Drawing Name: Penetration Separation - Floor				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Install Variations				Fire resistance level:	Drawn By: JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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			
Drawing No. : 2	Sheet: 2 of 9	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT				

SuperSTOPPER In Close Proximity - Walls

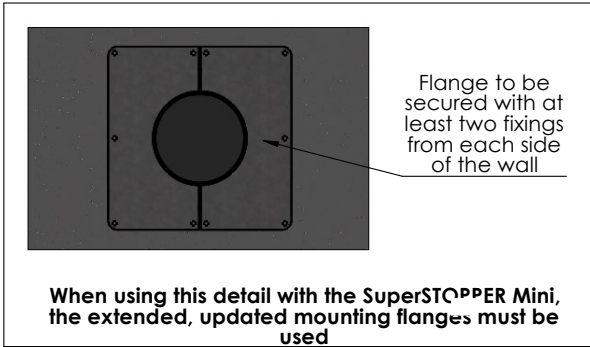
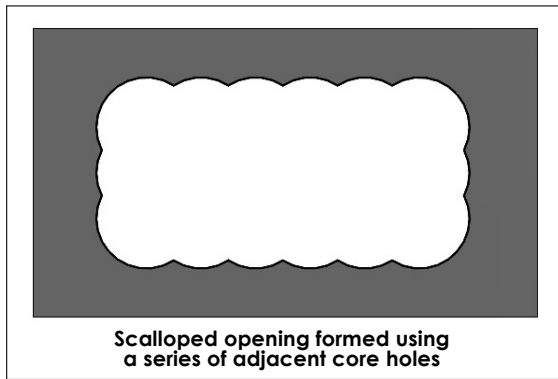
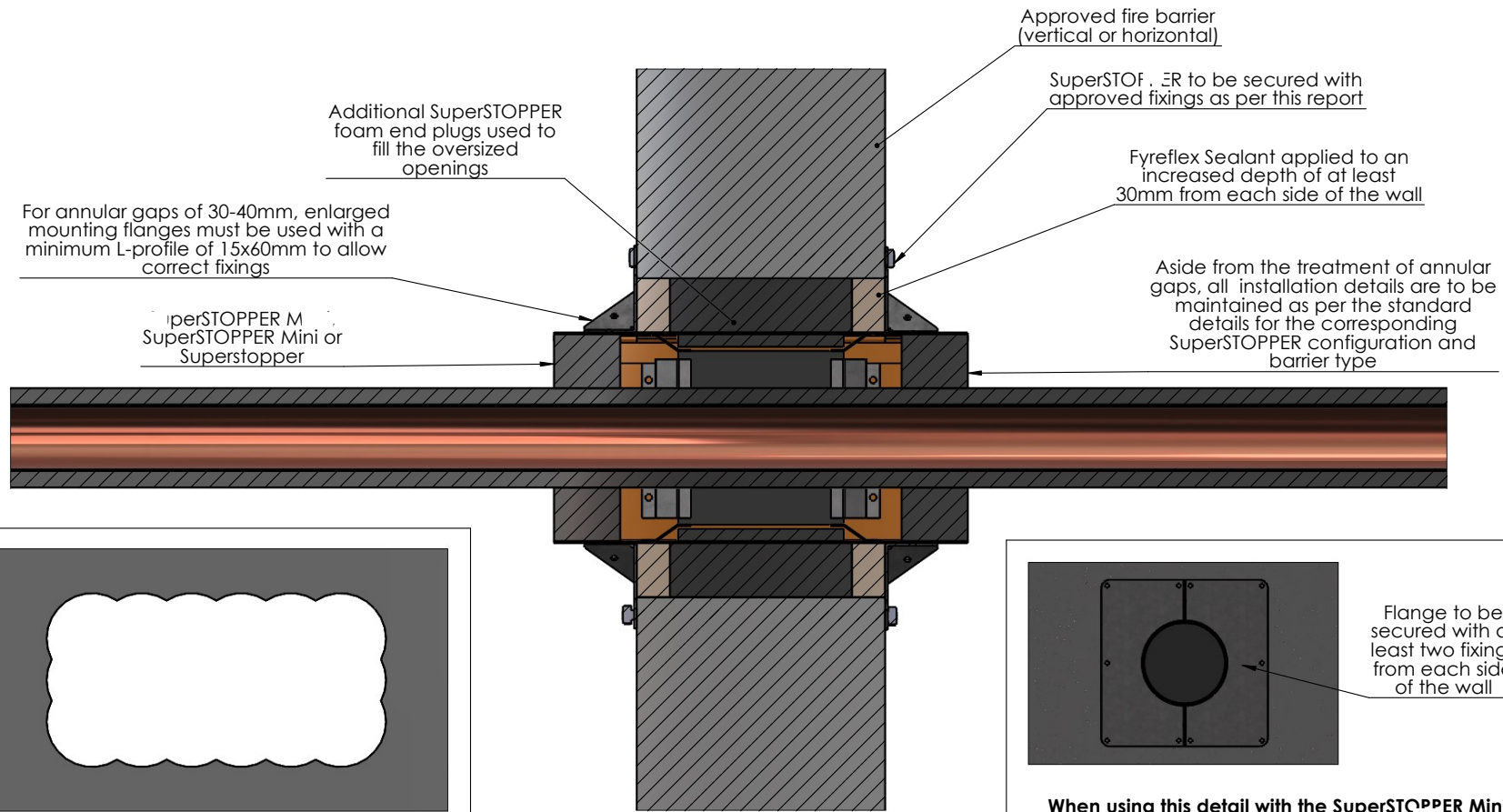


Key	SuperSTOPPER Configuration	Minimum Separation Requirement (between holes in wall)
A	SlabMount to SlabMount	200mm of barrier between openings
B	SlabMount to Maxi	100mm of barrier between openings
C	SlabMount to Mini	100mm of barrier between openings
D	Mini to Mini OR Maxi to Maxi	100mm of barrier 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				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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
Drawing No. : 3	Sheet: 3 of 9	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

SuperSTOPPER Maxi & Mini - Oversized / Scalloped Openings



Drawing Name: Oversized / Scalloped Openings

Project Title: SuperSTOPPER Install Variations

Drawing No. :
4

Sheet:
4 of 9

Date:
14/05/2024

Scale:
NTS

Test Standard:
AS1530.4

Fire resistance level:

Based on Report No.:

Codes:

Drawn By:
JC

Checked By:
CT

Revision:

Date:

No.:

NOTICE:

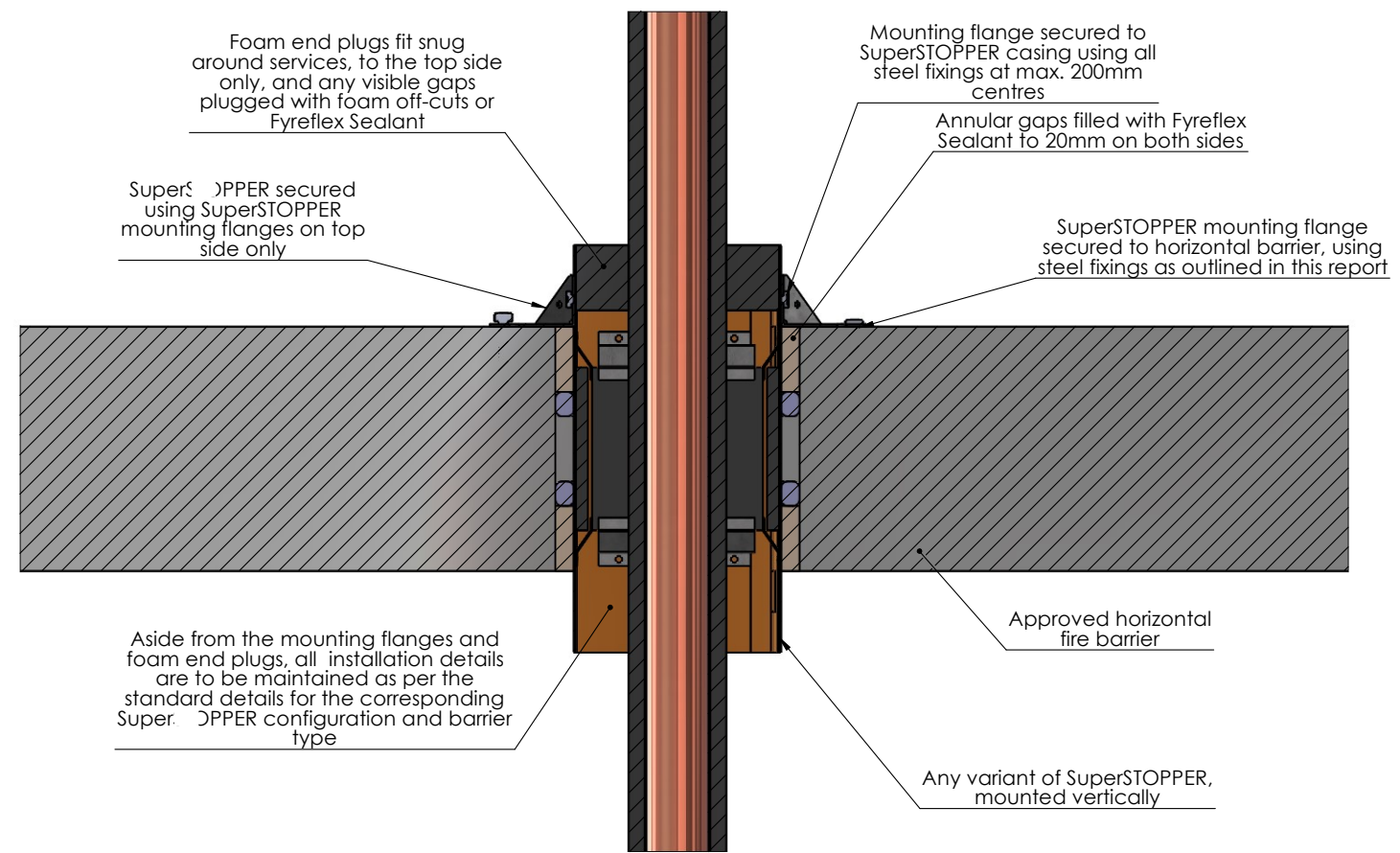
NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)




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STANDARD DRAWING
 PROJECT DRAWING

All SuperSTOPPER Variants - Bottom Mounting Flange and Foam End Plug Removed

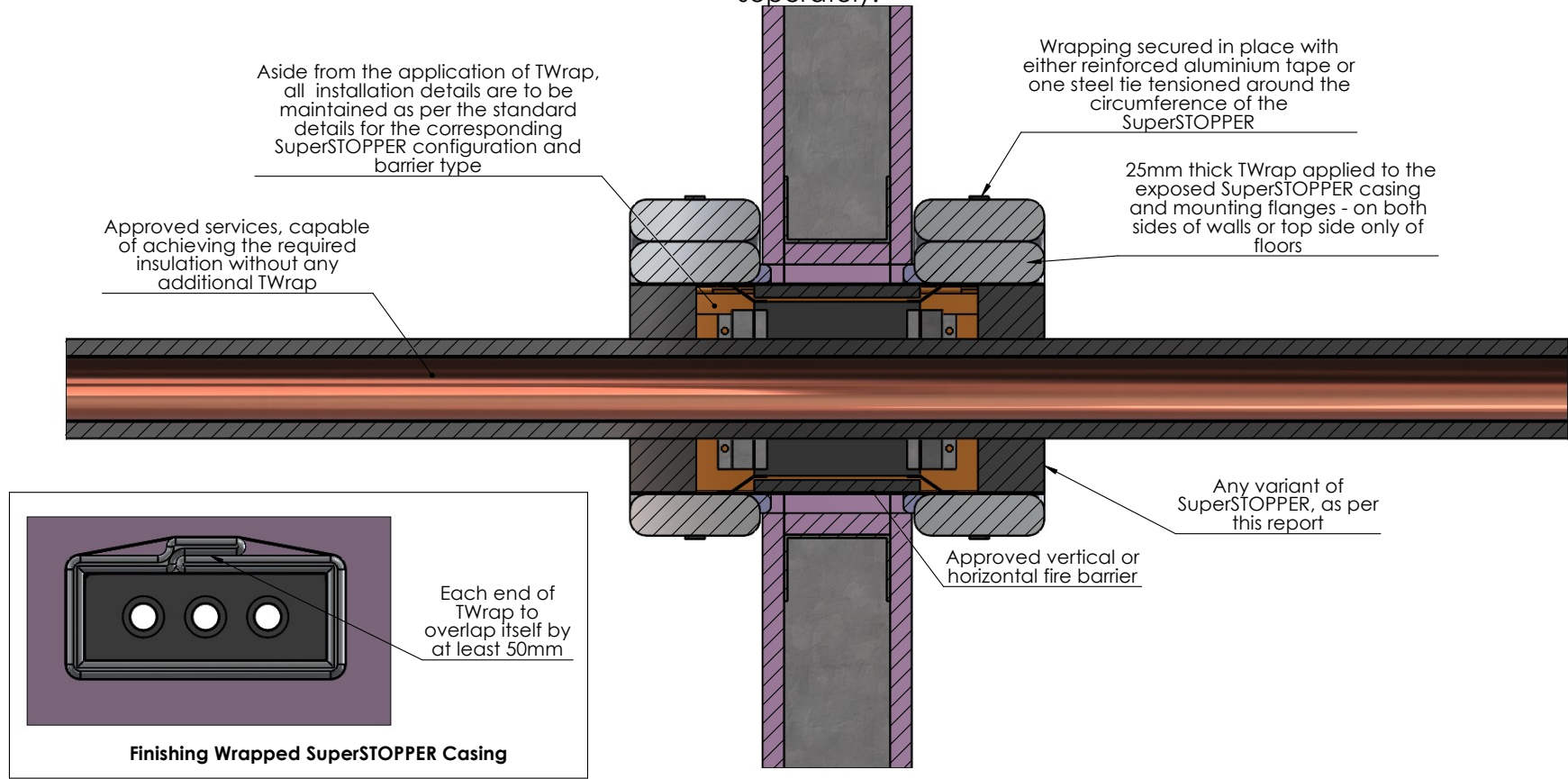



NOTE: Mounting flanges are not required for SuperSTOPPER Slab Mounted or SuperSTOPPER Cast In, as per standard installation details

Drawing Name: Bottom Foam and Flange Removed				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Install Variations				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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
Drawing No. : 5	Sheet: 5 of 9	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

All SuperSTOPPER Variants - Wrapped Casing

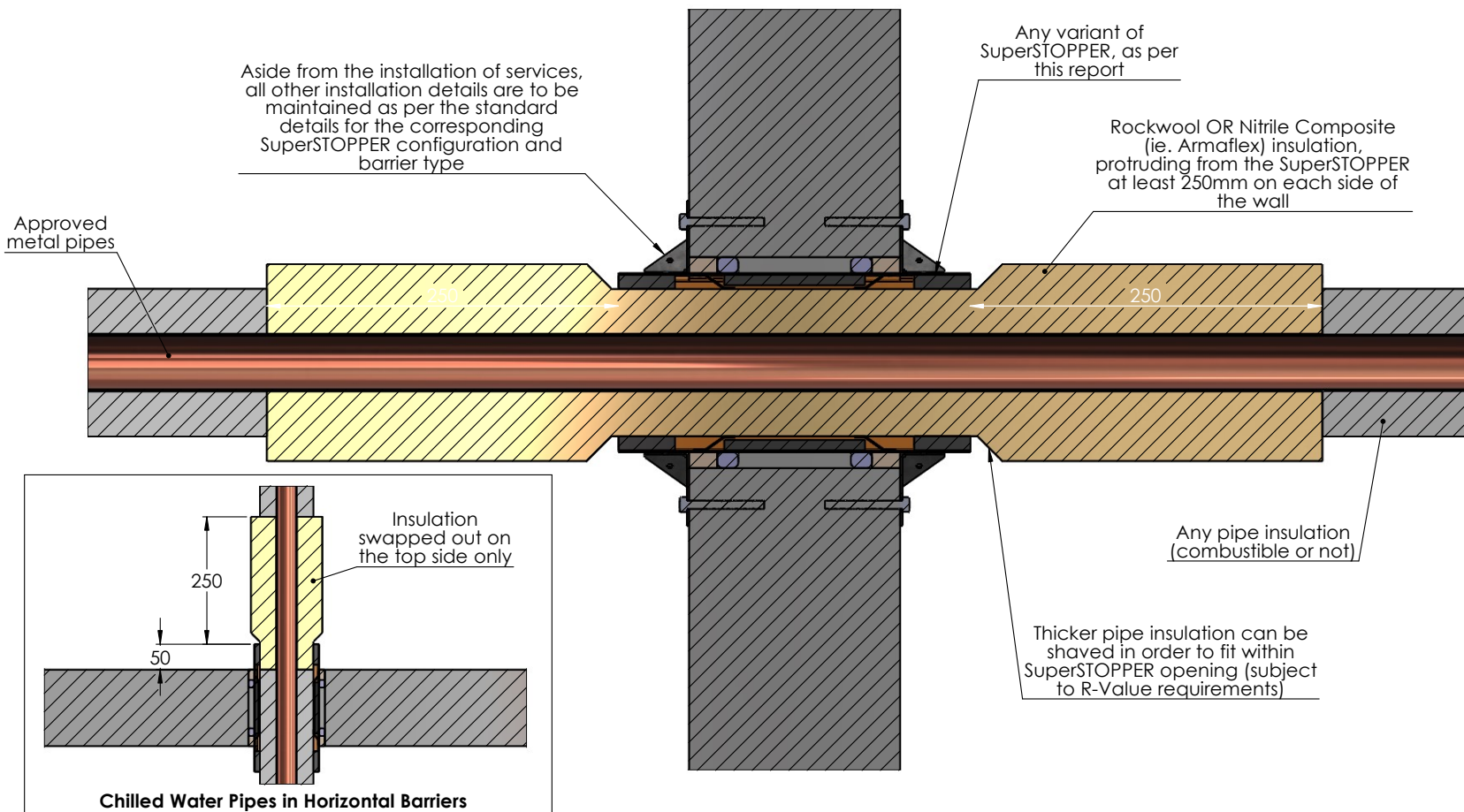
Where the SuperSTOPPER configuration does not achieve 120 minutes insulation in a given fire barrier, TWrap can be applied to the exposed SuperSTOPPER casing and mounting flanges in order to increase this insulation rating up to -/XXX/120. This applies to the insulation rating of the SuperSTOPPER only and the insulation rating of individual services may need to be addressed separately.




Drawing Name: Wrapped Casing				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Install Variations				Fire resistance level:	Drawn By: JC	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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			
Drawing No. : 6	Sheet: 6 of 9	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT				

All SuperSTOPPER Variants - Chilled Water Pipes

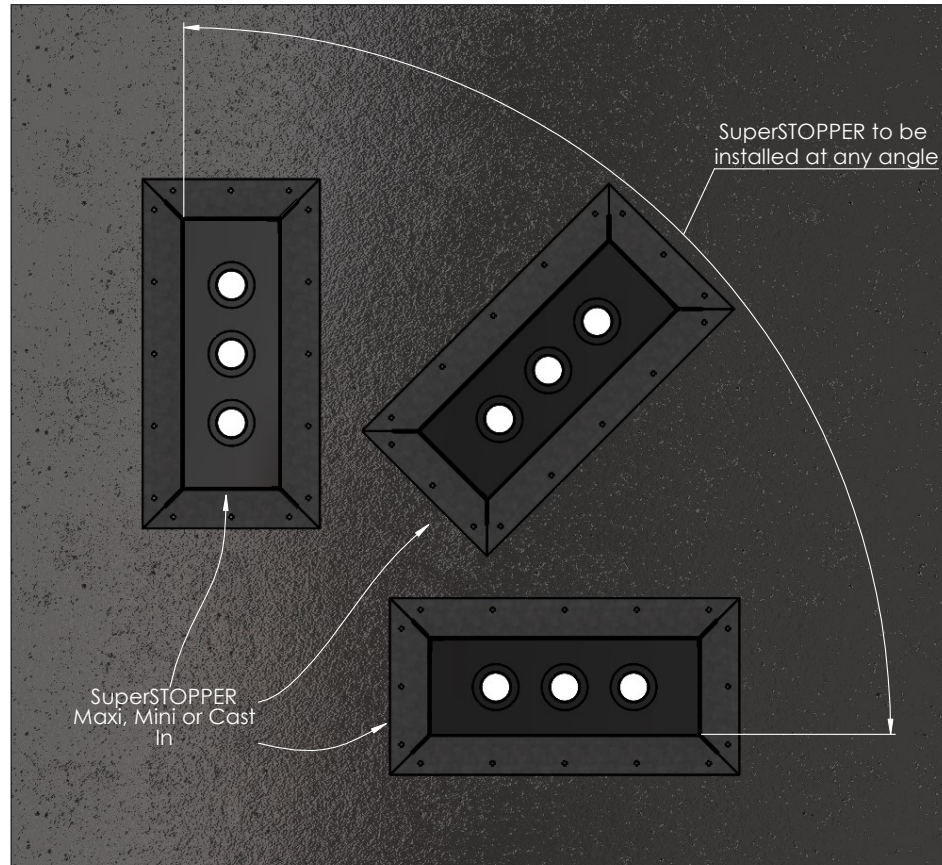
Metal pipes insulated with any material not already approved for use with the SuperSTOPPER (combustible or not), can be run through the penetration by swapping out a section for any thickness of Rockwool or Nitrite Composite (ie Armaflex) insulation




Drawing Name: Chilled Water Pipes				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE: <small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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
Project Title: SuperSTOPPER Install Variations				Fire resistance level:	Drawn By: JC				
Drawing No. : 7	Sheet: 7 of 9	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

SuperSTOPPER Maxi, Mini & Cast In - installed at any angle

SuperSTOPPER variant to be installed, in approved vertical or horizontal fire barrier, as per standard details relevant to the barrier type.

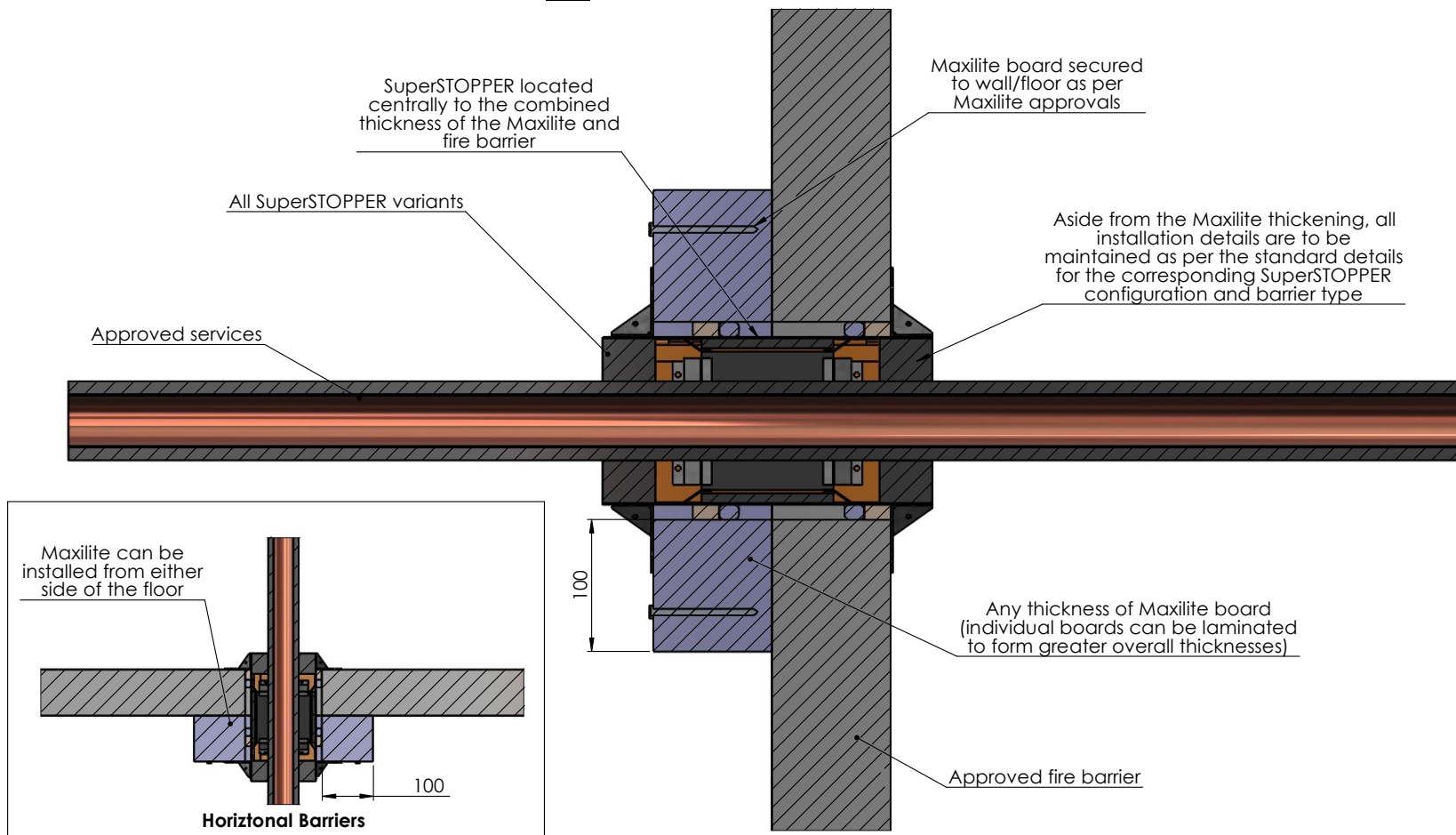


Notes:
 Barrier must permit the size and location/orientation of opening
 All other installation details as standard

Drawing Name: SuperSTOPPER At Any Angle				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: SuperSTOPPER Install Variations				Fire resistance level:	Drawn By: JC				<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>  Trafalgar Head Office: 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
Drawing No. : 8	Sheet: 8 of 9	Date: 14/05/2024	Scale: NTS	Based on Report No.:	Checked By: CT	<input type="checkbox"/> STANDARD DRAWING <input type="checkbox"/> PROJECT DRAWING			

All SuperSTOPPER Variants - Centre With Maxilite

Note - This installation detail takes the FRL's for Maxilite installations



Drawing Name: Centre With Maxilite

Project Title: SuperSTOPPER Install Variations

Drawing No. :
9

Sheet:
9 of 9

Date:
14/05/2024

Scale:
NTS

Test Standard:
AS1530.4

Fire resistance level:

Based on Report No.:

Codes:

Drawn By:
JC

Checked By:
CT

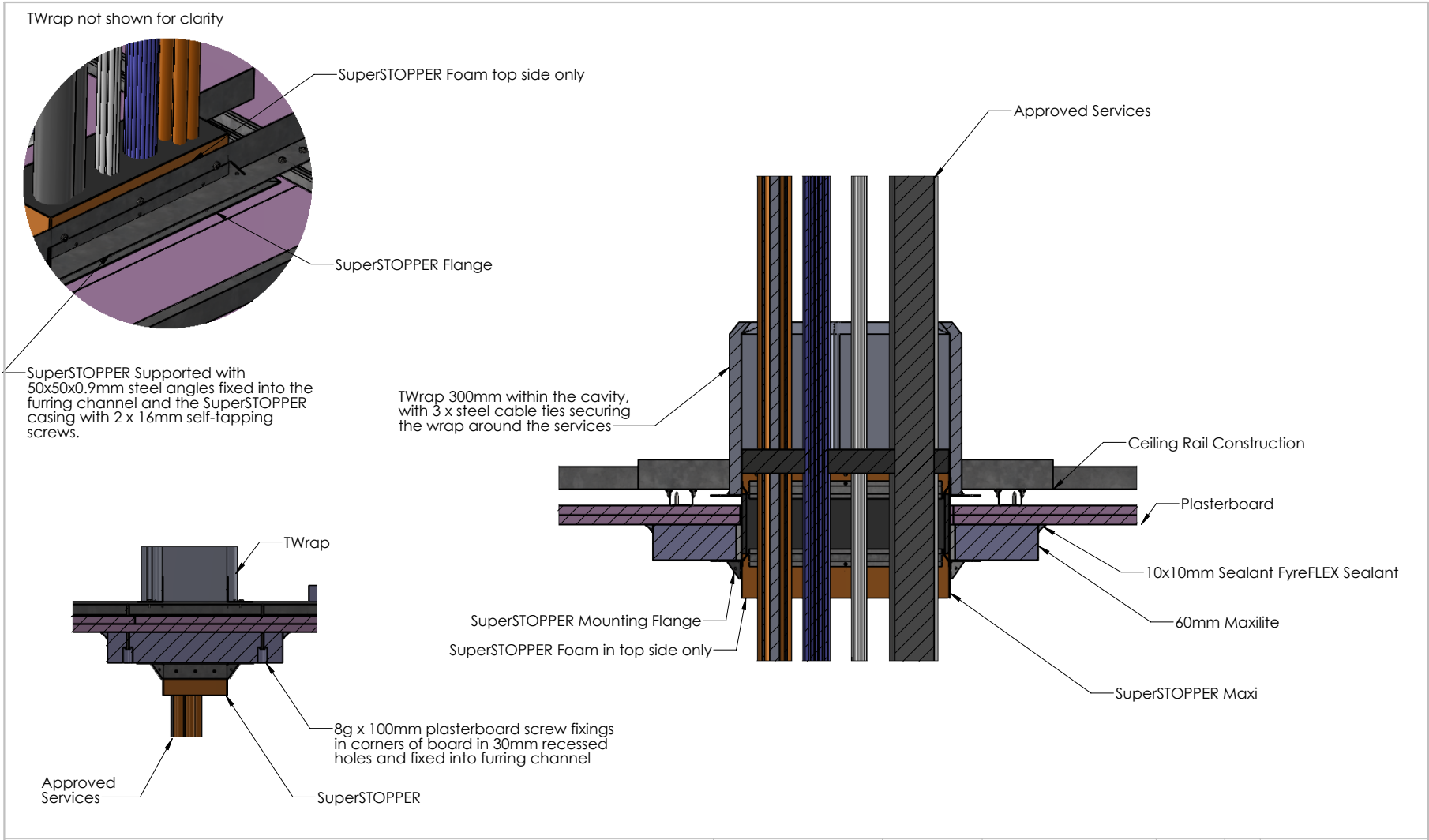
Revision:


STANDARD DRAWING
 PROJECT DRAWING

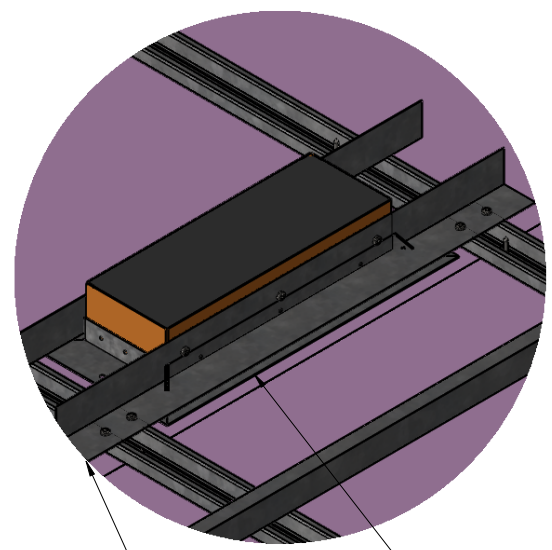
Date:

No.: **NOTICE:**

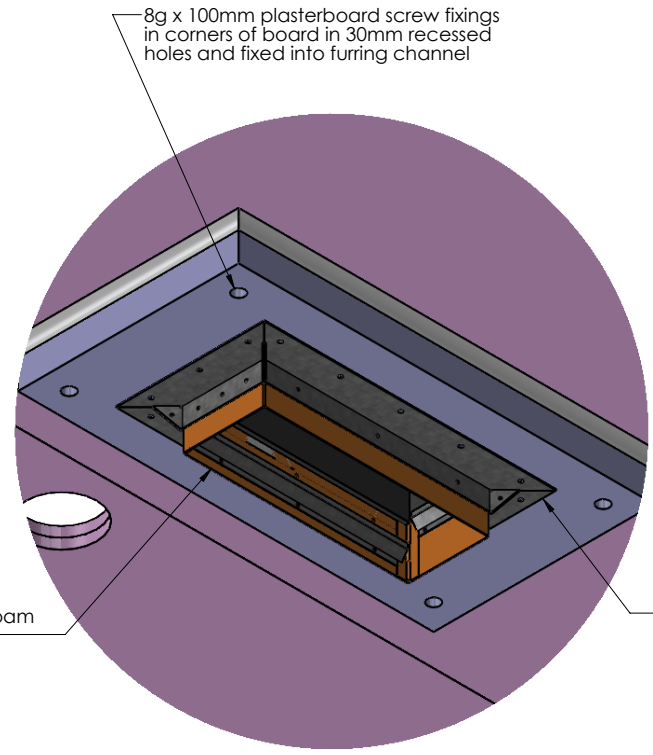
NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)
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Drawing Name: SuperSTOPPER Maxi				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: Ceiling Penetrations Technical Drawings				Fire resistance level: -/120/120	Drawn By: SM	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>			
Drawing No. : 1	Sheet: 1 of 3	Date: 5/21/2024	Scale: NTS	Based on Report No.: TR-F49.DR	Checked By: JH	<input type="checkbox"/> STANDARD DRAWING	 <p>TRAFALGAR FIRE</p> <p><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			

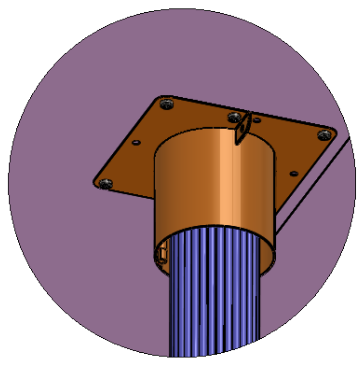


DETAIL A - Top Side View

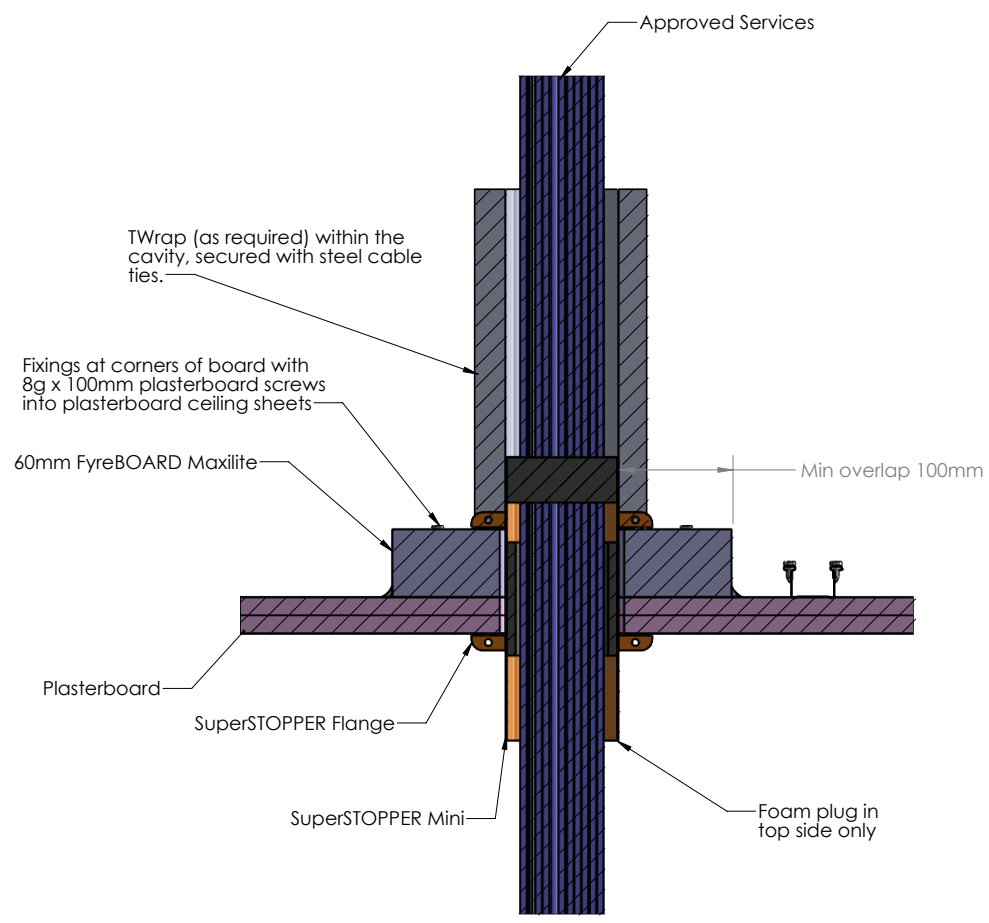



DETAIL B - Bottom Side View

Drawing Name: SuperSTOPPER Maxi - Isometric				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: Ceiling Penetrations Technical Drawings				Fire resistance level:	Drawn By: SM	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>			
Drawing No. : 2	Sheet: 2 of 3	Date: 5/21/2024	Scale: NTS	Based on Report No.:	Checked By: JH	<input type="checkbox"/> STANDARD DRAWING	 <p>TRAFALGAR FIRE PO BOX 545 Chester Hill NSW 2162 T: 1800 888 714 F: 1800 201 500 E: technical@tgroup.com.au W: www.fire.com.au</p>		
						<input type="checkbox"/> PROJECT DRAWING			



DETAIL L



Drawing Name: SuperSTOPPER Mini				Test Standard: AS1530.4	Codes:	Revision:	Date:	No.:	NOTICE:
Project Title: Ceiling Penetrations Technical Drawings				Fire resistance level: -/120/120	Drawn By: SM	<small>NOTE: ALL DIMENSIONS ARE IN MILLIMETRES (mm)</small>			
Drawing No. : 3	Sheet: 3 of 3	Date: 5/21/2024	Scale: NTS	Based on Report No.: TR-F49.DR	Checked By: JH	<input type="checkbox"/> STANDARD DRAWING	 <p><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.fire.com.au</small></p>		
						<input type="checkbox"/> PROJECT DRAWING			