

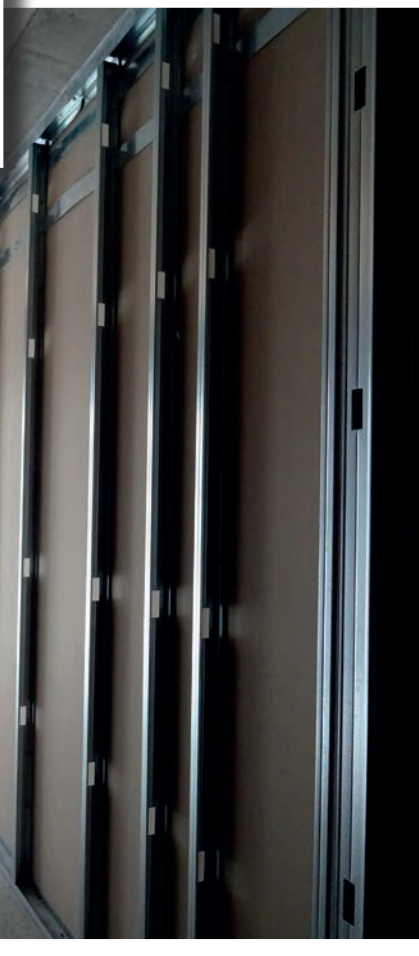


## SFS INTERNAL SYSTEMS

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## BACKGROUND

Steel Formed Sections was formed in November 2005 and is today Ireland's largest producer of cold rolled sections for Internal Partition, MF Ceiling and external SFS Framing systems.

Our company has gained essential expertise and product knowledge through close business relationships with customers, suppliers and research partners, including Cambridge Fire Research and Sound Research Laboratories.

From our purpose-built 25,000 square feet production facility based in Castleblayney, County Monaghan, we can give fast and reliable delivery and collection services with excellent access to all major road networks throughout Ireland and the UK.

We can offer our customers sections ranging from 50-300mm ranging in gauge thickness from 0.5 to 3mm thanks to our investment in modern rolling technology in 2014. We like to work with the design team as early as possible in the design process so that our technical input can assist the team to find the most effective and economical solutions.

We recommend that Steel Formed Sections systems are installed by sub-contractors with the relevant expertise and can suggest some suitable sub-contractors, if requested.



Design/Consultation



Manufacturing



Delivering



Technical Support/  
After Sales Team

## SERVICE

We provide a comprehensive range of services to meet our client's needs including

- Design expertise and Consultation
- Manufacturing and Delivery services
- Technical Support
- A first class After Sales Service

Generally, we manufacture to order and we like to collaborate on design at the earliest possible stage in the project, to add value for our customers. This ensures the very best solution is devised to meet your requirements and project goals.

## COLD ROLLED SECTIONS EXPERTISE

Steel Formed Sections, Ireland's largest producer of cold rolled sections, has been delivering world-class solutions for a variety of sectors including commercial, residential and state departments. Our customers benefit from

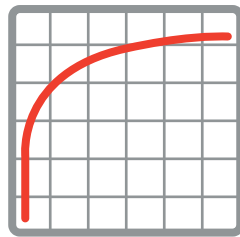
- A skilled, expert team
- Quality manufacturing processes
- Fast, safe delivery.
- Responsive service.

We look forward to working with you.



Priding ourselves on offering our customers the highest quality possible, SFS employs stringent quality control measures throughout the entire production cycle. Each batch of SFS products goes through an exacting process, with up to eleven screening inspections ensuring that all metal products conform to strict specification guidelines. In Addition to our rigorous in house testing all SFS partition systems are independantly tested for both Fire and Acoustic performance\*.

\*All tests are carried out to conform to current Market Standards and are carried out by the following UKAS accredited test centres:



C A M B R I D G E  
**FIRE**RESEARCH

Address: Cambridge Fire Research Ltd, Brewery Road, Pampisford, Cambridge,  
CB22 3HG, United Kingdom.

Tel: +44 (0) 1223 834752

Fax: +44 (0) 1223 837208

Email: [testing@cambridge.co.uk](mailto:testing@cambridge.co.uk)

## ***The Building Test Centre*** *Fire Acoustics Structures*

Address: The Building Test Centre, British Gypsum, East Leake, Loughborough, Leicester,  
LE12 6NP, United Kingdom.

Tel: +44 (0) 945 1564

Fax: +44 (0) 945 1562

Email: [btc.testing@bpm.com](mailto:btc.testing@bpm.com)

# SRL

Address: Southern Office & Laboratory, Holbrook House, Little Waldingfield, Sudbury, Suffolk, CO10 0TH, United Kingdom.

Tel: +44 (0) 1787 247595

Fax: +44 (0) 1787 248420

Email: [srl@srltsl.com](mailto:srl@srltsl.com)



Address: BRE, Garston, Bucknalls Lane, Watford WD25 9XX, United Kingdom.

Tel: +44 (0) 1923 664200

Fax: +44 (0) 1923 664096

Email: [construction@bre.co.uk](mailto:construction@bre.co.uk)

We at SFS aim to provide our customers with products that not only meet but exceed their expectations and to achieve this, quality processes are at the very core of our business. We prove time and again that we are a company worthy of the confidence placed in us by our customers.

The Management of Steel Formed Sections Ltd recognises the importance of safety management and the implementation of safe systems of work in its workplaces and has compiled this Safety Statement in accordance with its legal duties under the Safety, Health and Welfare at Work. Act 2005.

In furtherance of our duty, we will comply with all relevant Statutory Instruments, Codes of Practice and other applicable legislation to ensure the safety, health and welfare of our employees and others affected by our activities.

## This will be achieved by:

- Providing adequate resources to ensure suitable provision is made for the effective management of health and safety and to enable compliance with the requirements of legislation, statutory instruments and codes of practice.
- Ensuring that health and safety and/or best practice is considered in the planning, design, construction, operation and maintenance of all plant, machinery, equipment and places of work.
- Conducting a programme of risk assessment for all work activities undertaken by the company. Providing suitable and sufficient control measures that are identified in these assessments and making employees aware of these assessments in the prescribed manner.
- Communicating with employees on matters affecting health and safety to ensure methods of working are developed and compatible with the provisions of this policy and the individual capabilities of employees.
- Instructing, training and supervision of all employees.
- Maintaining a safe working environment and providing safe systems of work for all employees.
- Providing suitable welfare facilities and where necessary health screening.

## Health & Safety Policy



Every employee has a legal duty to co-operate with the management of SFS Ltd in meeting their statutory obligations.

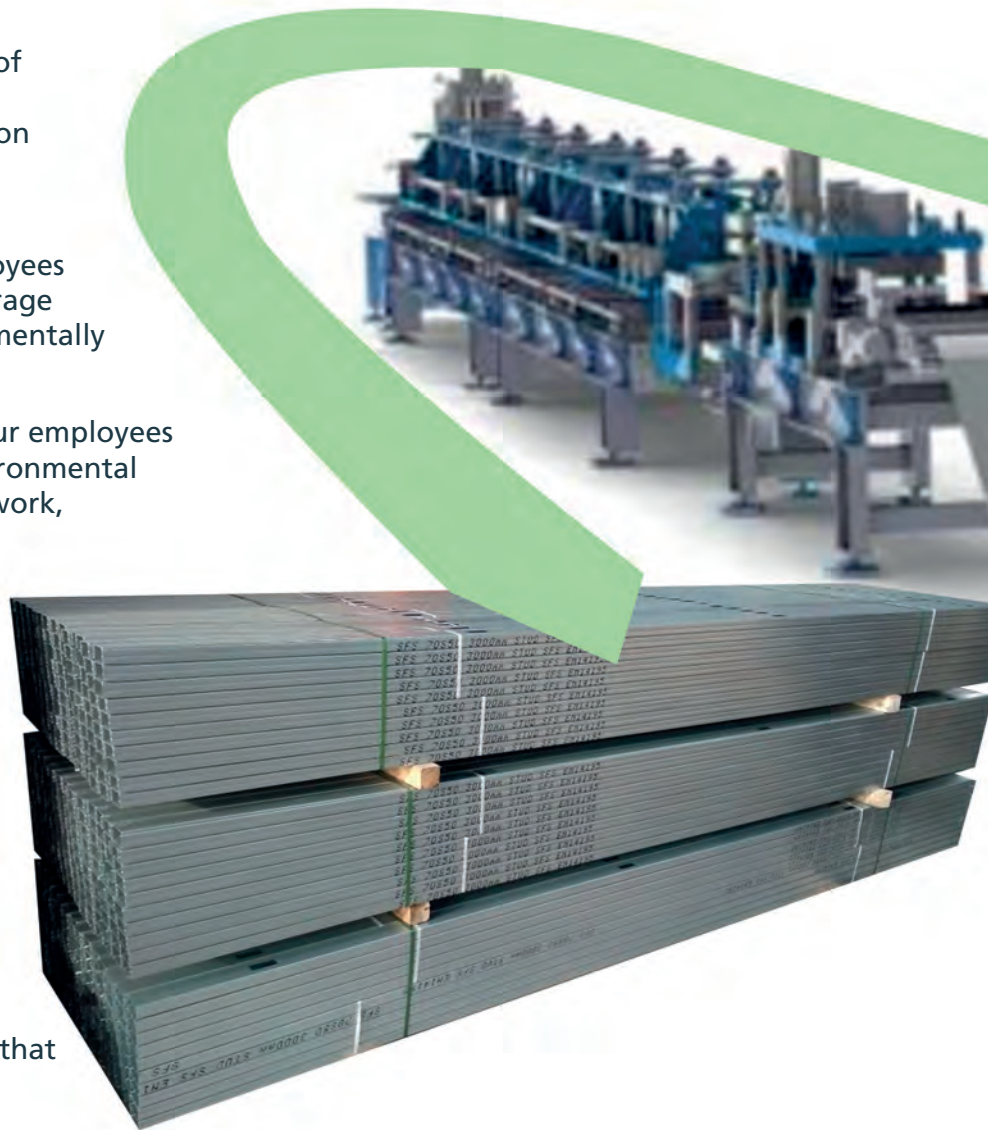
Employees are advised that it is their duty to use the control measures as identified and provided for in the risk assessments and written procedures relevant to any work they undertake. Employees must not put their safety or the safety of others at risk through their reckless actions or malicious intent.

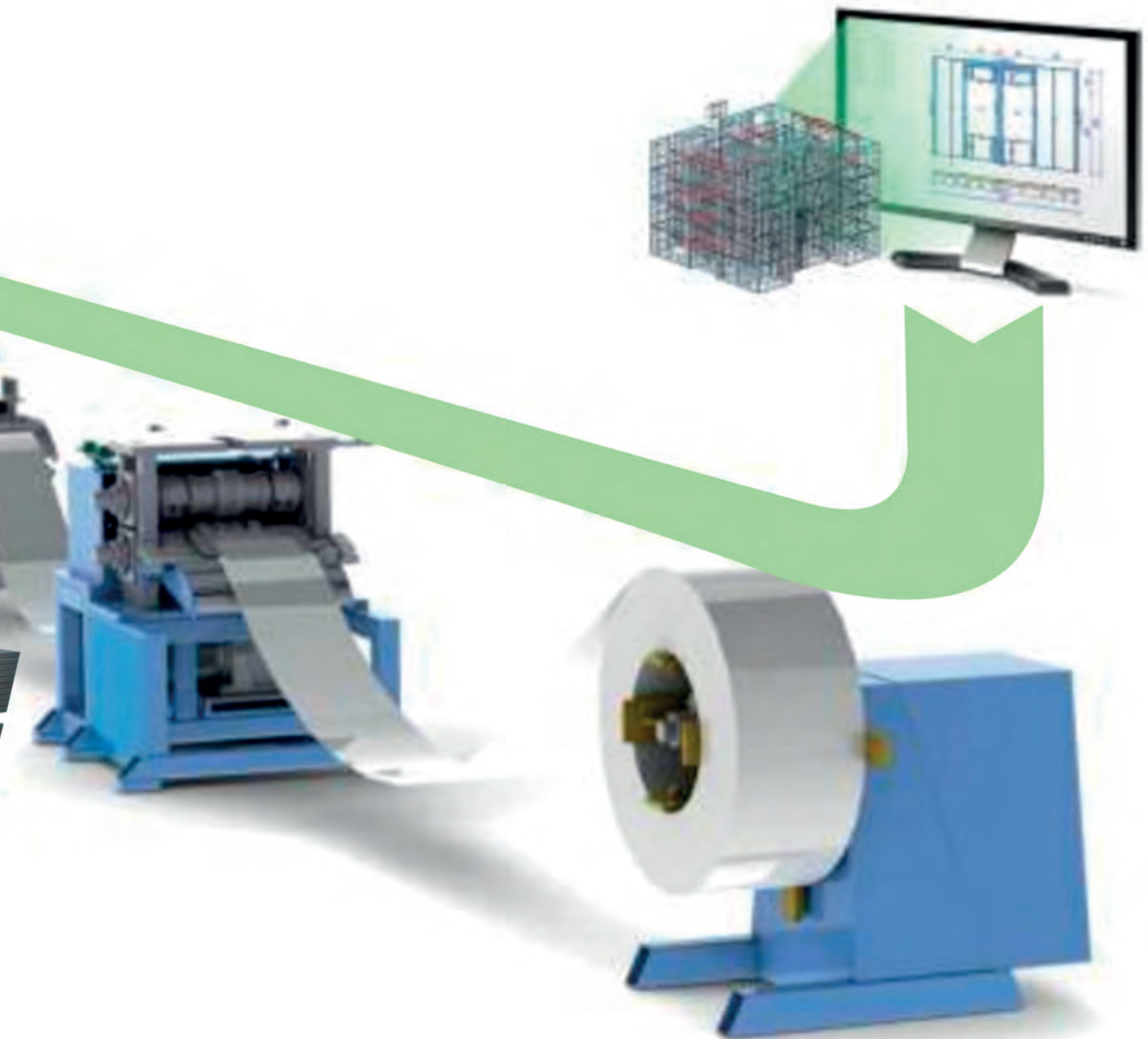
This policy will be regularly reviewed and monitored by SFS Ltd. Amendments will be made as necessary taking into consideration new legislation and/or improved/new working practises.

Steel Formed Sections Ltd., are committed to providing quality products in a manner that ensures a safe and healthy workplace for our employees and minimizes our potential impact on the environment in accordance with relevant environmental legislation and other requirements to which we subscribe. We are committed to the prevention of pollution.

This will be achieved by:

- Integrate the consideration of environmental concerns and impacts into all of our decision making and activities,
- Promote environmental awareness among our employees and supply chain and encourage them to work in an environmentally responsible manner,
- Train, educate and inform our employees and supply chain about environmental issues that may affect their work,
- Reduce waste through re-use and recycling and by purchasing recycled, recyclable or re-furnished products and materials where these alternatives are available, economical and suitable,
- Promote efficient use of materials and resources throughout our facility including water, electricity, raw materials and other resources, particularly those that are non-renewable,
- Avoid unnecessary use of hazardous materials and products, seek substitutions when feasible, and take all reasonable steps to protect human health and the environment when such materials must be used, stored and disposed of,
- Purchase and use environmentally responsible products and services accordingly,
- Strive to continually improve our environmental performance and minimize the social impact and damage of activities by periodically reviewing our environmental policy in light of our current and planned future activities.





Steel Formed Sections Ltd are  
BES 6001 Responsible Sourcing of  
Construction Products Approved

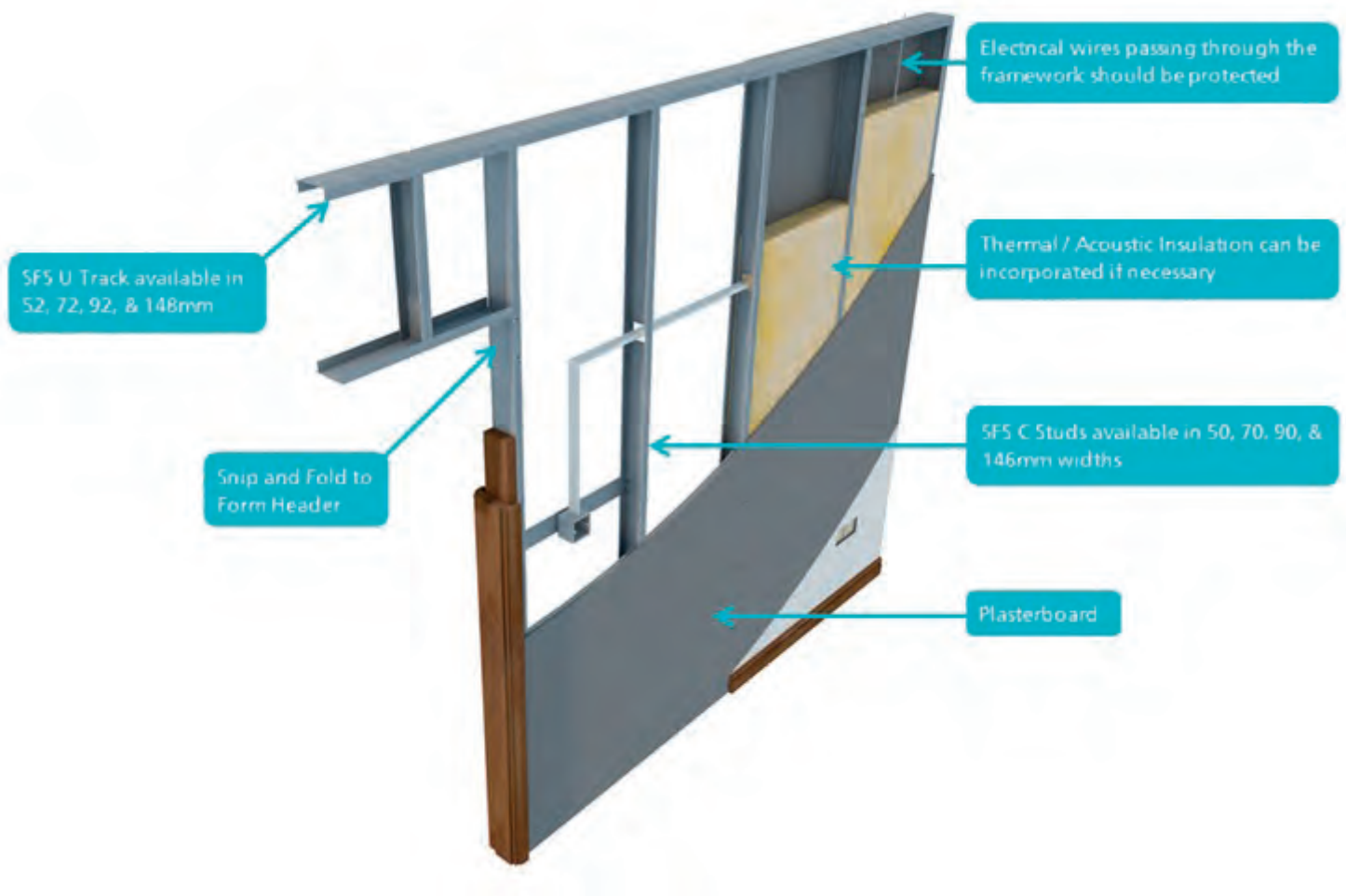
Our Certificate of Approval can be  
downloaded from :-

[www.steelformedsections.com](http://www.steelformedsections.com)



## BACKGROUND

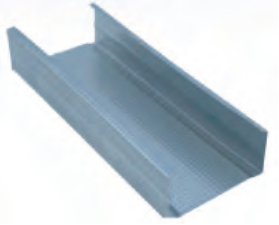
The SFS Partitioning System is suitable for use in commercial and domestic buildings where it is necessary to provide strong non load-bearing partitions. There are a wide range of partition thicknesses available for heights of up to 12m. The system is economical and can be erected easily. When installing the system it is advisable to use an electrically or battery operated screw gun. It is necessary to ensure that electrical cables that pass through the studs are protected by grommets.



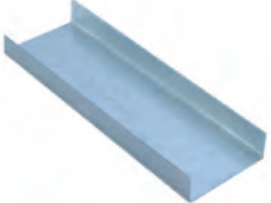
## BENEFITS

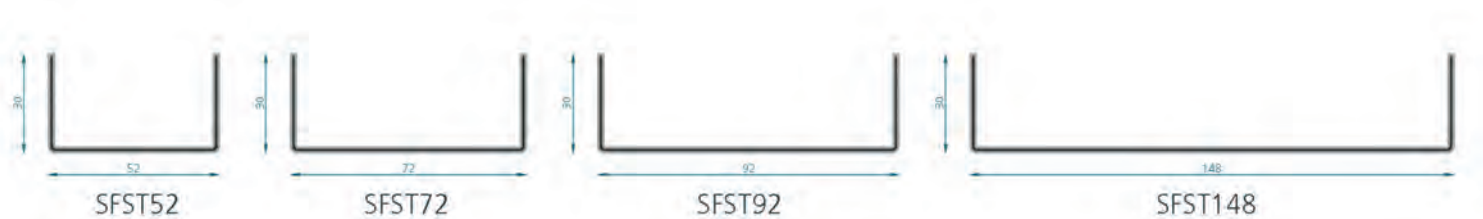
- The metal system is accurate & solid, and will not move over time or with changes in temperature
- There are a wide range of stud widths from 50mm to 146mm to meet varying requirements
- It is a fast, clean system to erect that allows services to pass through easily
- All sections fit together easily and door frames are formed very simply

# SFS PARTITIONING SYSTEM


C Studs	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFS50	2400, 2700, 3000, 3600	0.50	10	100
	SFS70	2400, 2700, 3000, 3600, 4200	0.50	10	100
	SFS90	2700, 3000, 3600, 4200	0.50	10	100
	SFS146	3600, 4200, 5000, 6000	0.50	10	50
custom manufactured sizes available on request					




U Track STD (30)	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFST52	3000, 3600	0.50	10	100
	SFST72	3000, 3600	0.50	10	100
	SFST92	3000, 3600	0.50	10	100
	SFST148	3000, 3600	0.50	10	50
custom manufactured sizes available on request					

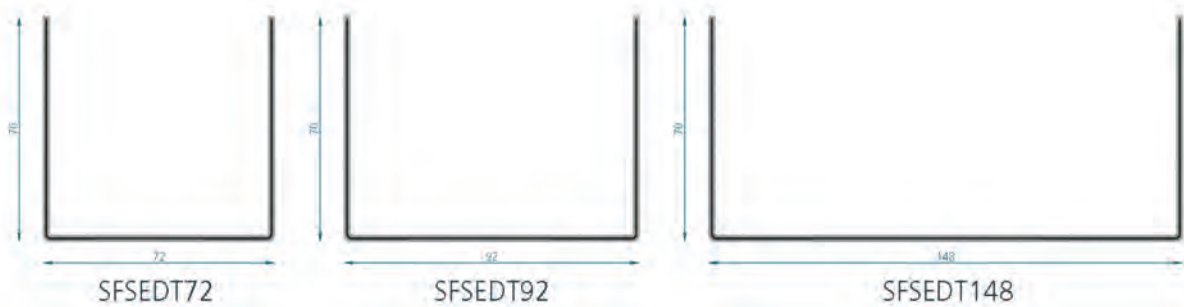


# SFS PARTITIONING SYSTEM

U Track Deep (50)	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFSDT52	3000, 3600	0.60	10	100
	SFSDT72	3000, 3600	0.60	10	100
	SFSDT92	3000, 3600	0.60	10	100
	SFSDT148	3000, 3600	0.60	10	50
custom manufactured sizes available on request					



U Track Extra Deep (70)	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFSED72	3000, 3600	0.70	10	50
	SFSED92	3000, 3600	0.70	10	50
	SFSED148	3000, 3600	0.70	10	50
custom manufactured sizes available on request					



## INSTALLATION GUIDELINES

### FIXING OF FLOOR AND CEILING TRACKS

All tracks should be fixed to the floor and ceiling in the middle of the profile at 600mm centres with suitable fixings. For 92mm and 148mm wide profiles, we recommend two rows of suitable fixings at 600mm centres staggered by 300mm with each fixing 25mm in from the flange.

For heights greater than 4.2m or where deflection allowance is necessary, SFS U Track Deep and SFS U Track Extra Deep should be used.

A timber sole plate may be required on uneven floors or where the partition is constructed prior to screeding to bring the base of the track up to the finished screed height. When dealing with a newly laid concrete or floor screed a damp proof membrane should be used to protect the U track from moisture.

### FIXING OF BOARDS

#### SINGLE LAYER BOARDING

Plasterboard should be fixed at 300mm maximum centres to the framework with the appropriate screw length. Joints should be staggered from one side of the partition to the other. Fixing centres should be maintained by using flat strap behind all horizontal board joints.

#### DOUBLE LAYER BOARDING

Inner layers can be fixed at 600mm centres but outer layers must be fixed at 300mm centres to the metal framework. The second layer should be positioned with all joints staggered in relation to the first layer assuming the studs are fixed at 600mm centres. Fixing centres should be maintained by using flat strap behind the outer most board for all horizontal board joints of the outer layer.

Please refer to table below for screw fixing lengths:-

SCREW FIXING LENGTHS	
Board Type	Fixing Length
1 x 12.5mm	25mm
1 x 15mm	25mm
2 x 12.5mm	25mm + 36mm
2 x 15mm	25mm + 42mm
1 x 12.5mm & 1 x 15mm	25mm + 42mm

## FIXING OF C STUDS

Please reference table below for guidance on Stud Centres depending on system type and height:-  
(Based on limiting deflection of L/240 @ 200Pa)

**SFS50 – 50mm C STUD CENTRES TABLE**

Board Type	Number of Layers	600mm Centres	600mm Boxed	400mm Centres	400mm Boxed	300mm Centres	300mm Boxed
12.5mm	1	2.5m	2.8m	2.9m	3.2m	3.1m	3.5m
15mm	1	2.8m	3.0m	3.1m	3.3m	3.3m	3.6m
12.5mm	2	3.4m	3.6m	3.6m	3.8m	3.8m	4.0m
15mm	2	3.7m	3.8m	3.9m	4.0m	4.0m	4.2m

**SFS70 – 70mm C STUD CENTRES TABLE**

Board Type	Number of Layers	600mm Centres	600mm Boxed	400mm Centres	400mm Boxed	300mm Centres	300mm Boxed
12.5mm	1	3.6m	3.9m	4.0m	4.3m	4.3m	4.7m
15mm	1	3.8m	4.1m	4.2m	4.5m	4.5m	4.9m
12.5mm	2	4.6m	4.8m	4.9m	5.1m	5.1m	5.4m
15mm	2	4.9m	5.1m	5.1m	5.3m	5.3m	5.6m

**SFS90 – 90mm C STUD CENTRES TABLE**

Board Type	Number of Layers	600mm Centres	600mm Boxed	400mm Centres	400mm Boxed	300mm Centres	300mm Boxed
12.5mm	1	4.5m	4.8m	4.9m	5.4m	5.3m	5.8m
15mm	1	4.7m	5.1m	5.2m	5.6m	5.5m	6.0m
12.5mm	2	5.7m	5.9m	6.0m	6.3m	6.2m	6.6m
15mm	2	5.9m	6.1m	6.2m	6.5m	6.4m	6.8m

**SFS146 – 146mm C STUD CENTRES TABLE**

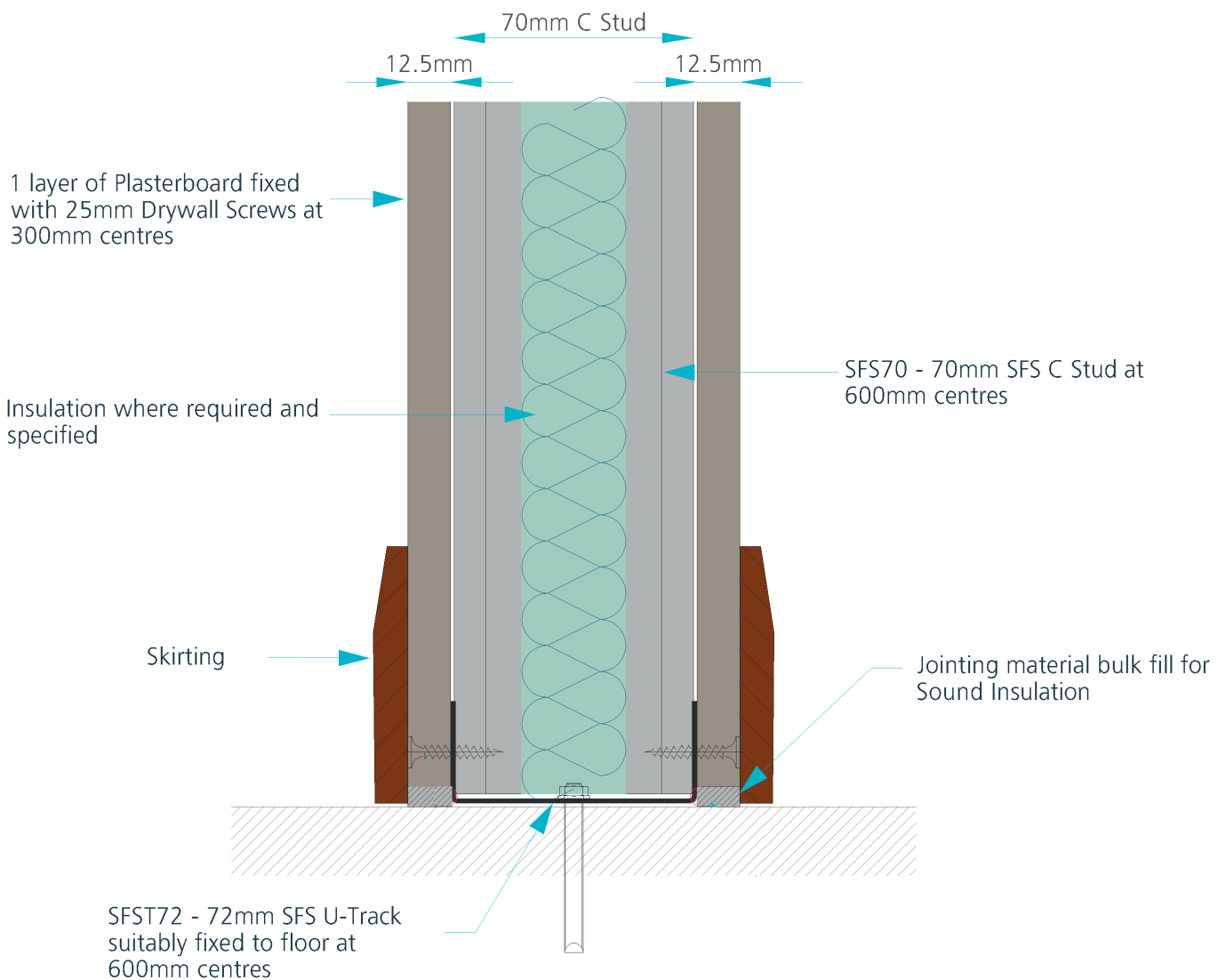
Board Type	Number of Layers	600mm Centres	600mm Boxed	400mm Centres	400mm Boxed	300mm Centres	300mm Boxed
12.5mm	1	6.2m	6.8m	6.9m	7.6m	7.5m	8.3m
15mm	1	6.5m	7.0m	7.2m	7.8m	7.7m	8.4m
12.5mm	2	7.6m	8.0m	8.1m	8.6m	8.5m	9.1m
15mm	2	7.9m	8.2m	8.3m	8.8m	8.7m	9.3m

## STANDARD FIXING DETAILS

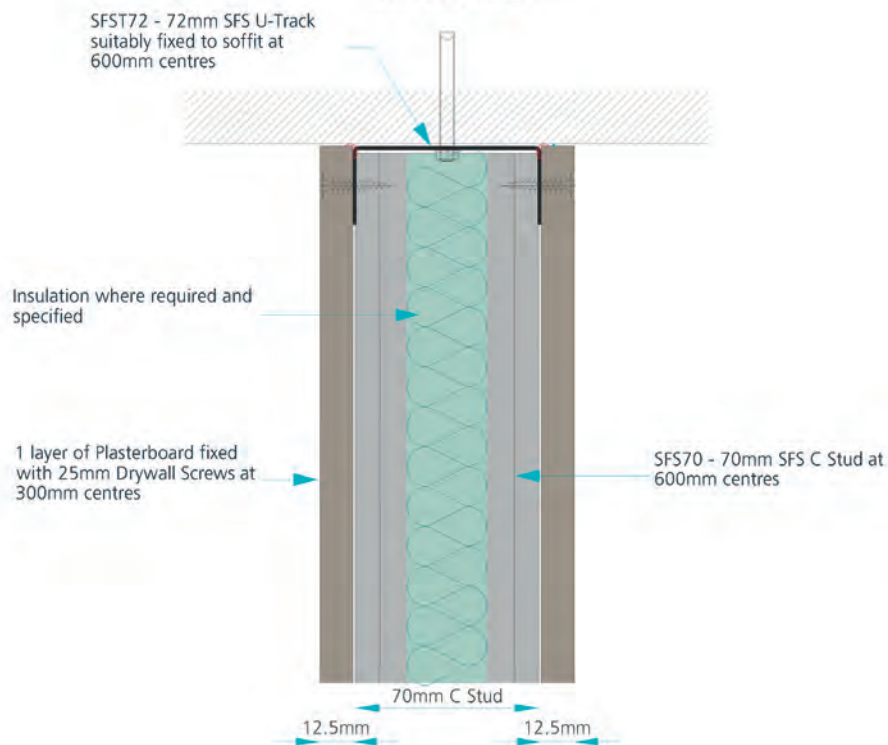
The following details typically represent a standard SFS70 – 70mm C Stud Partition. It is therefore limited in its capacity to convey all the information, details & specification necessary to comply with Building Regulations or to achieve specific requirements. Such details should always be confirmed by your designer/architect.

All standard details for 70mm, 90mm and 146mm SFS C Stud systems are available for download from [www.steelformedsections.ie](http://www.steelformedsections.ie)

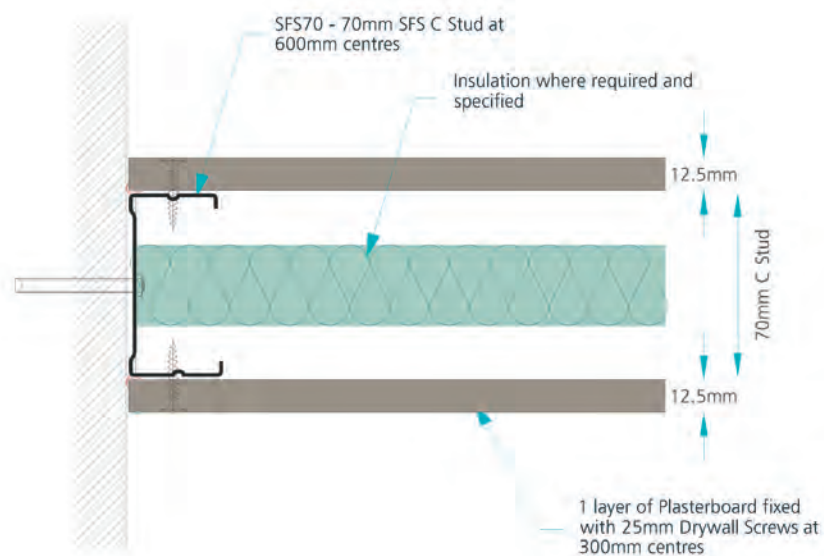
### Typical 70mm C Stud Base Detail



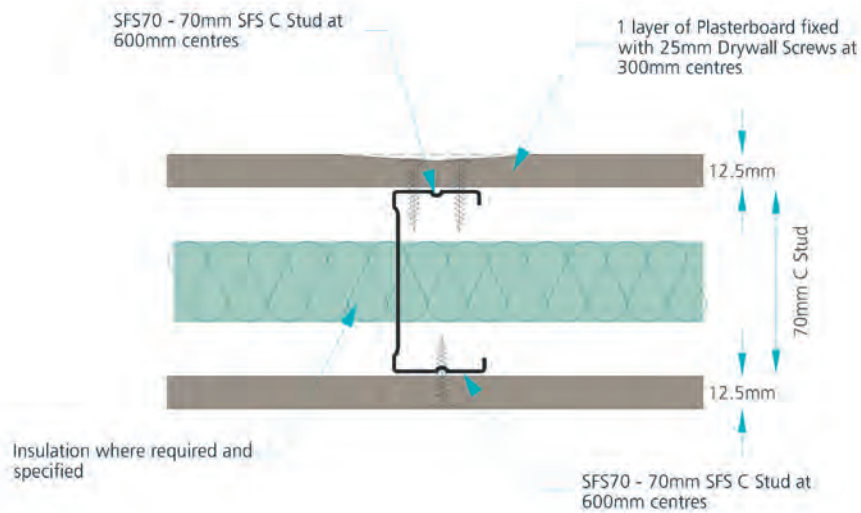
Typical 70mm C Stud Head Detail



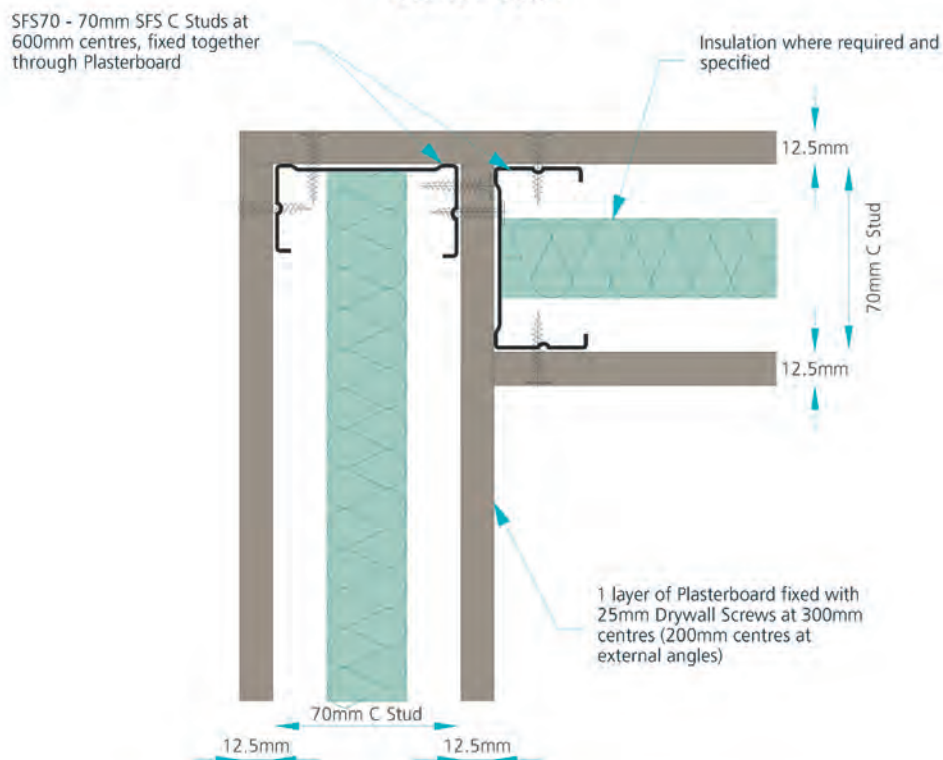
Typical 70mm C Stud Wall Abutment Detail

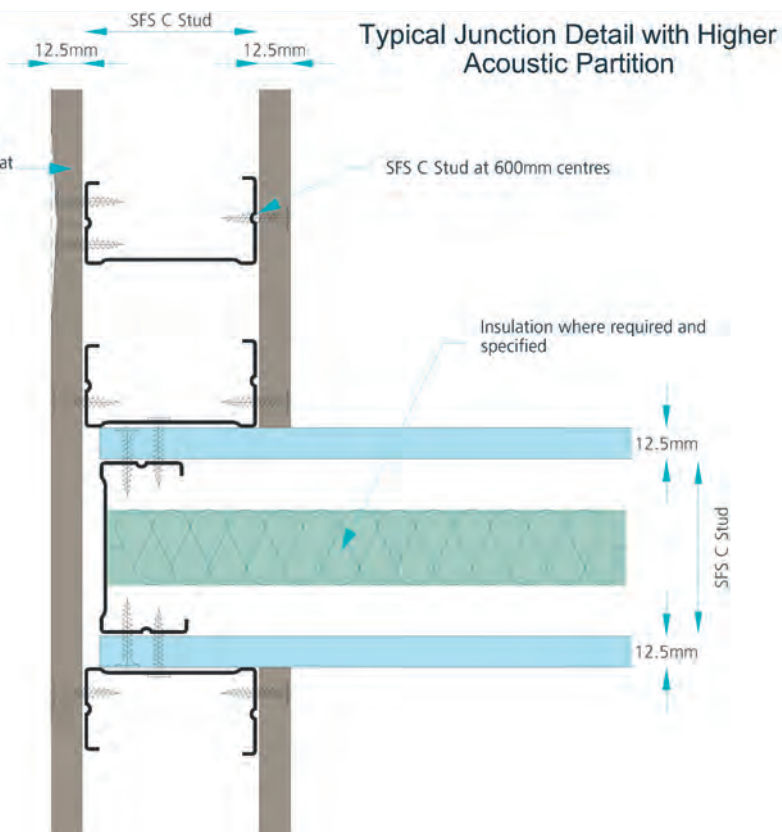
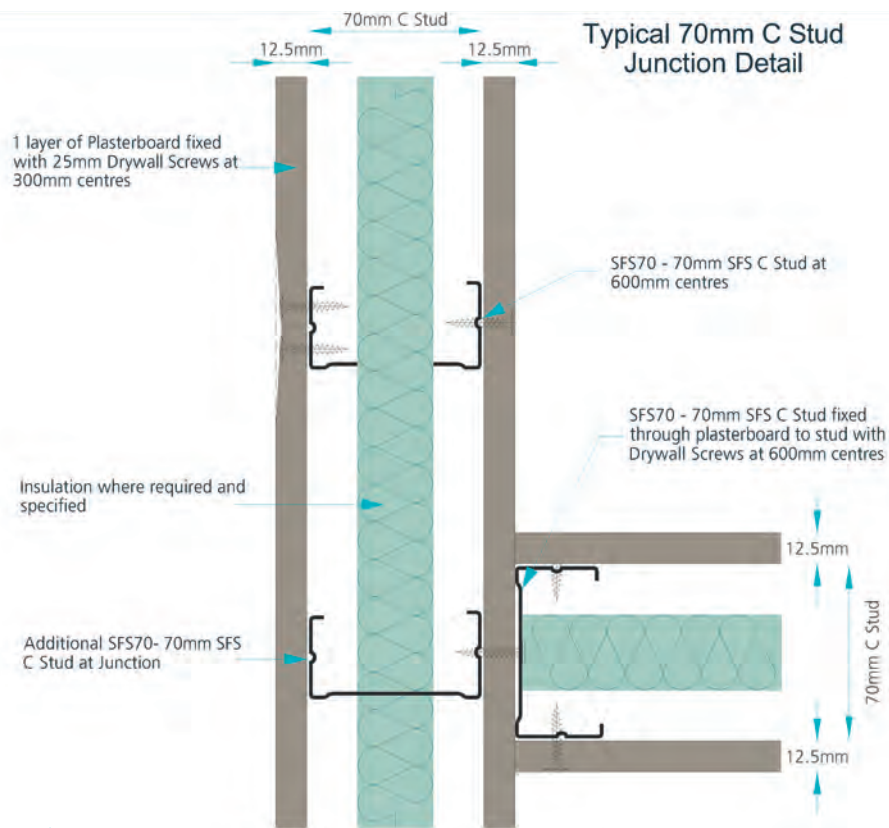


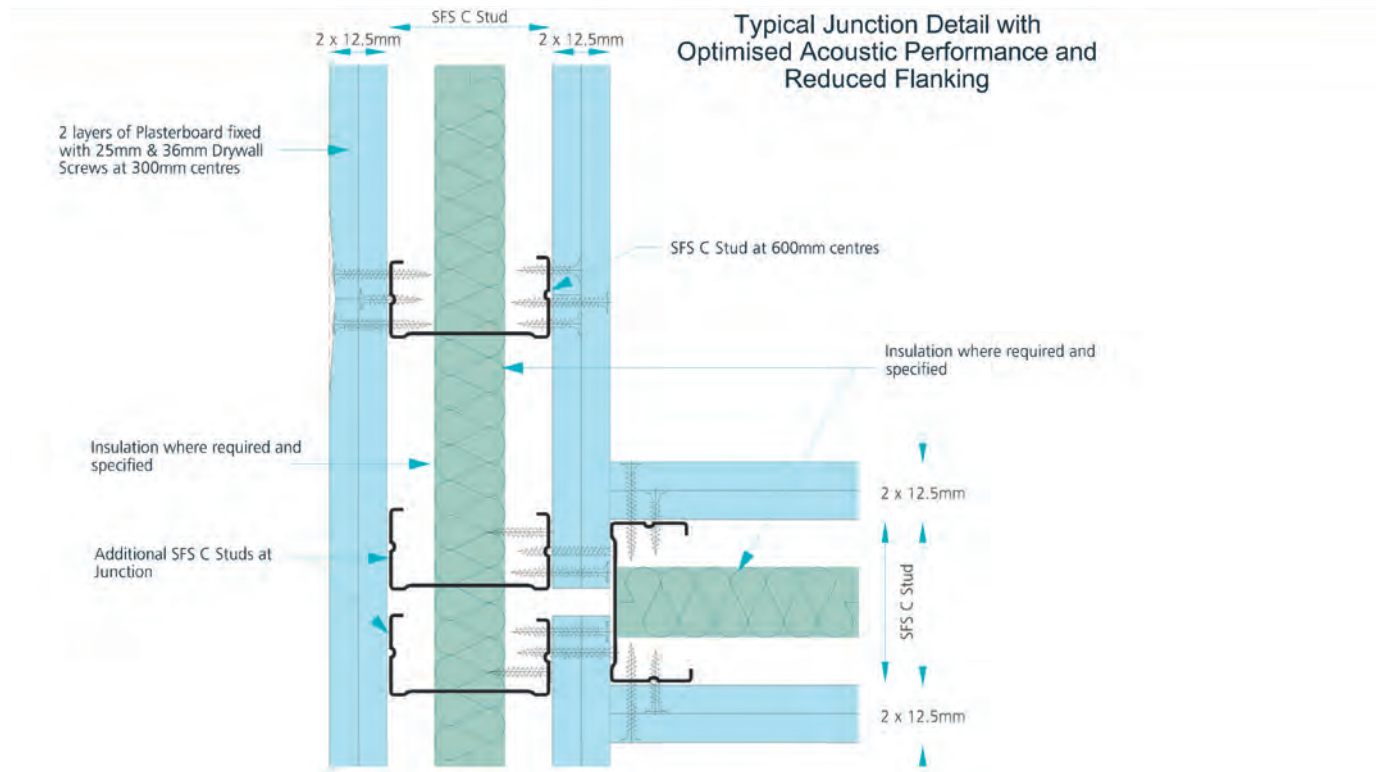
Typical 70mm Intermediate Stud Detail



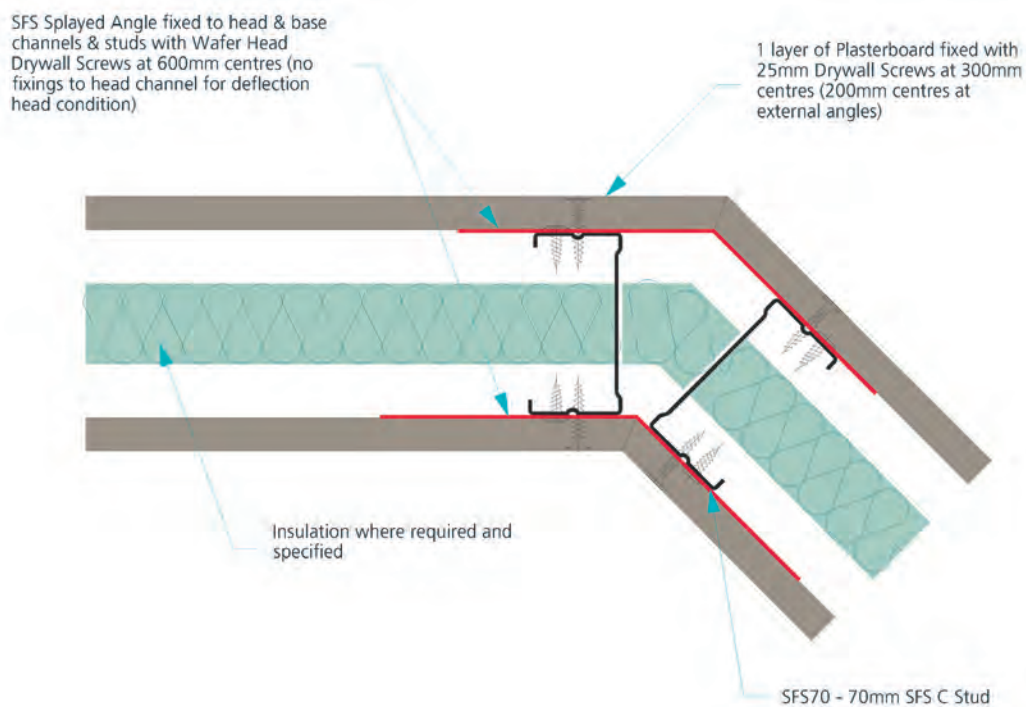
Typical 70mm C Stud Corner Detail



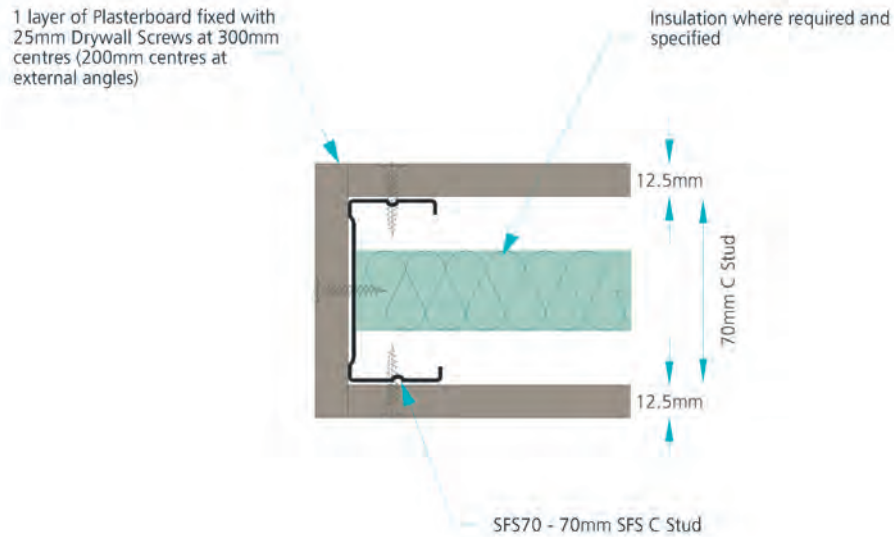




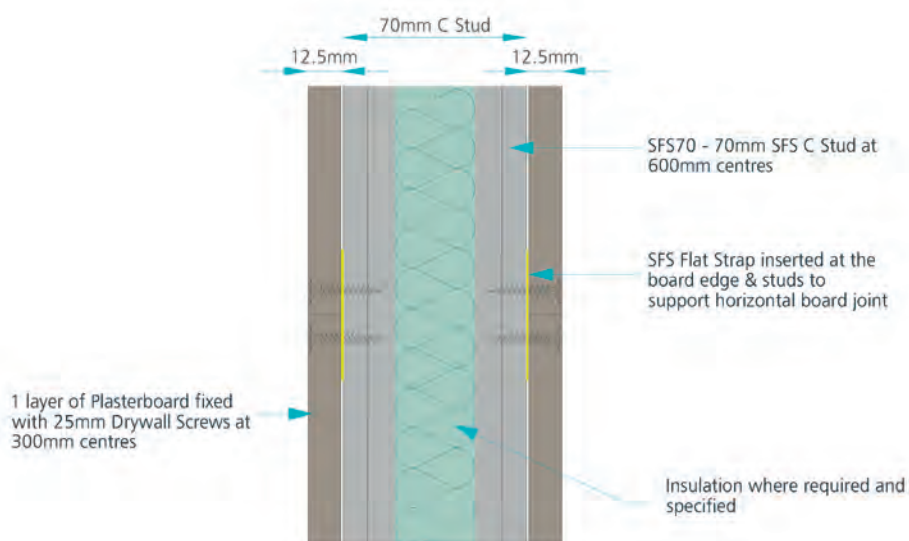
**Typical 70mm C Stud Splayed Angle Detail**



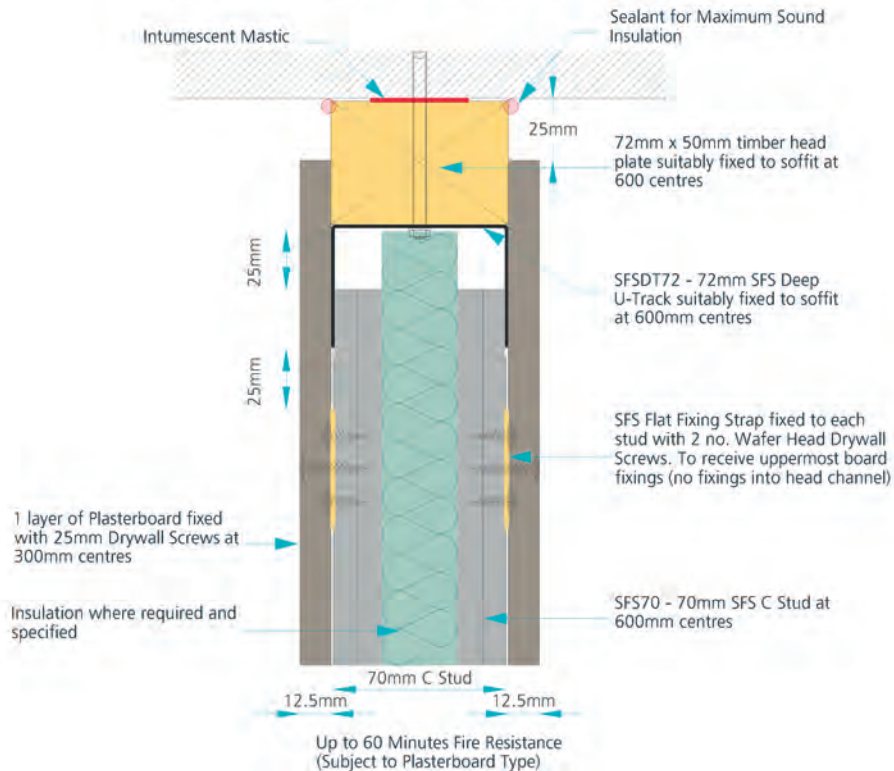
Typical 70mm C Stud  
Stop End Detail



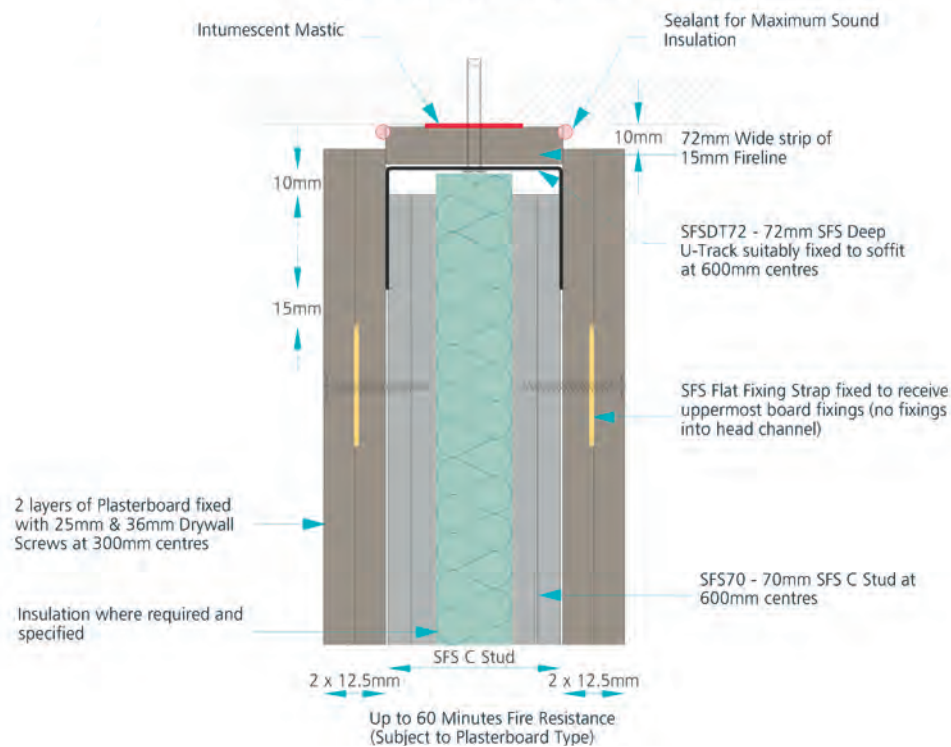
Typical 70mm C Stud  
Horizontal Board Joint Detail



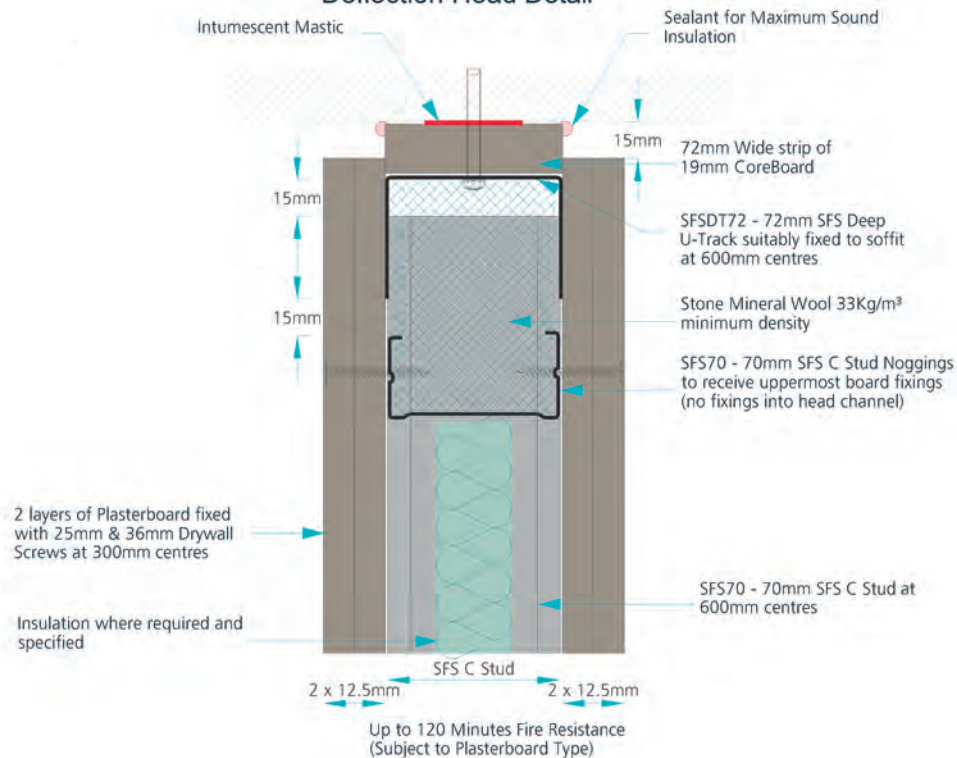
Typical 70mm C Stud 25mm Deflection Head Detail



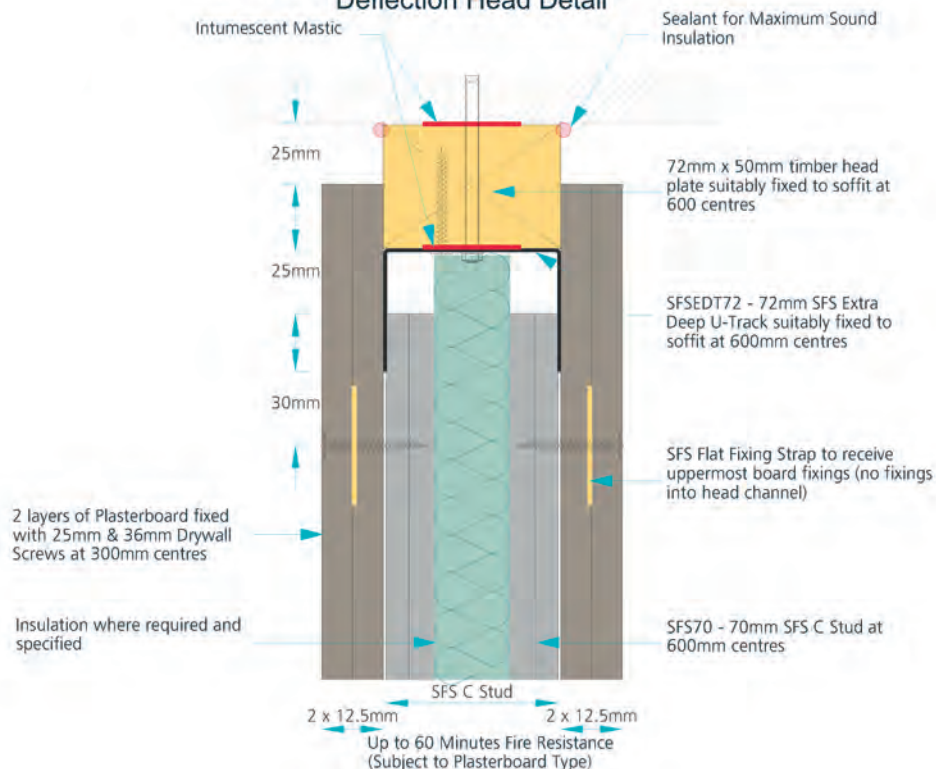
Typical 10mm Downward Movement Deflection Head Detail



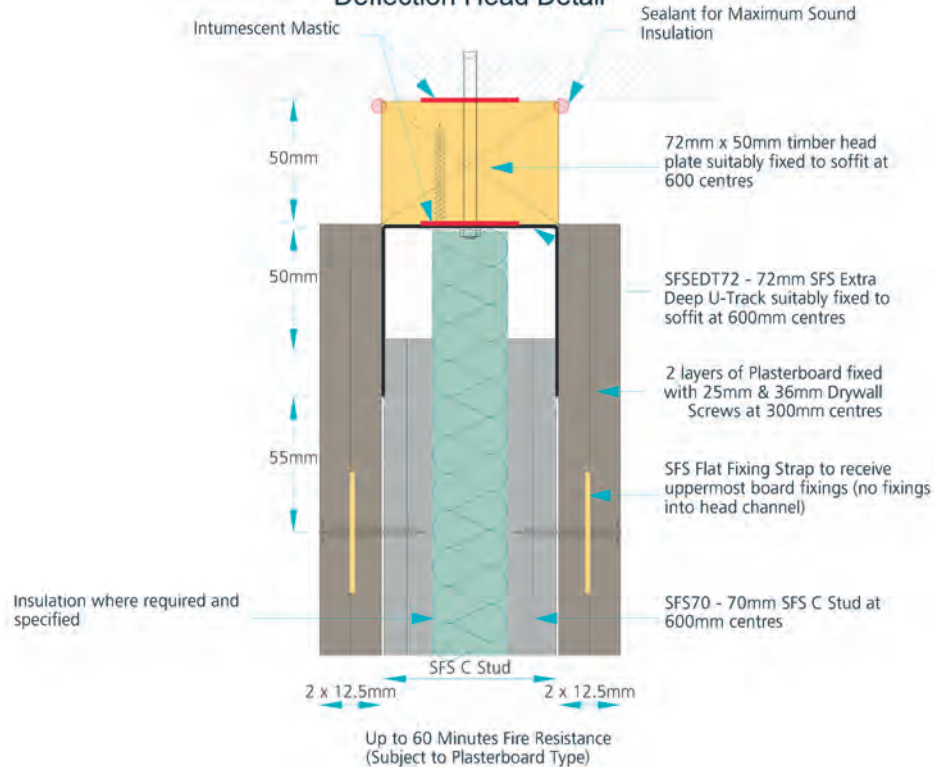
## Typical 10mm Downward Movement Deflection Head Detail



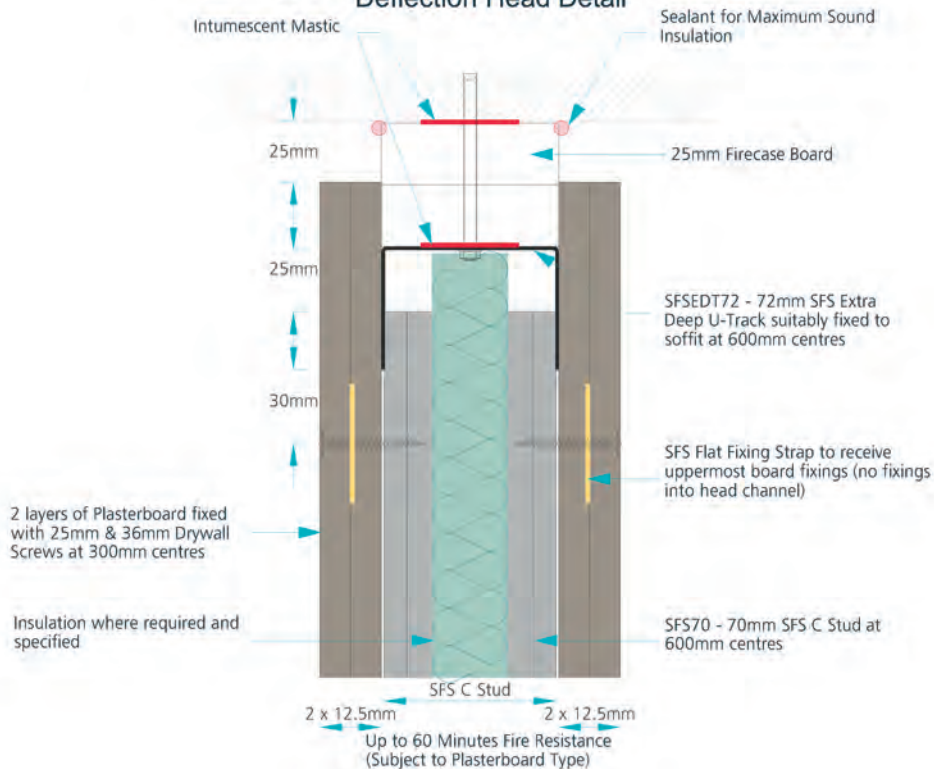
## Typical 25mm Downward Movement Deflection Head Detail



## Typical 50mm Downward Movement Deflection Head Detail



## Typical 25mm Plus / Minus Movement Deflection Head Detail

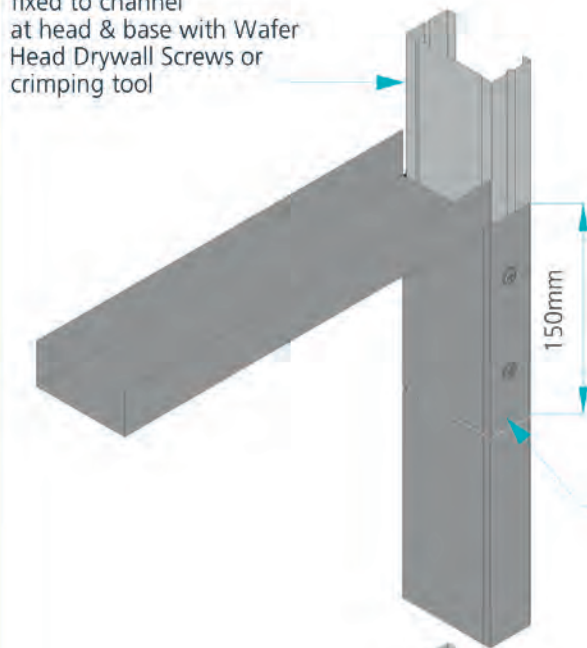




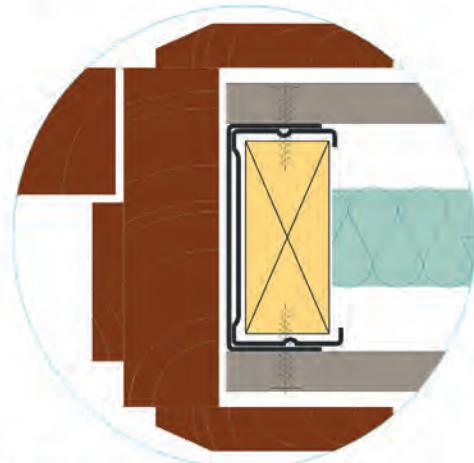


## Typical 70mm C Stud Heavy & Severe Duty Door Jamb Detail

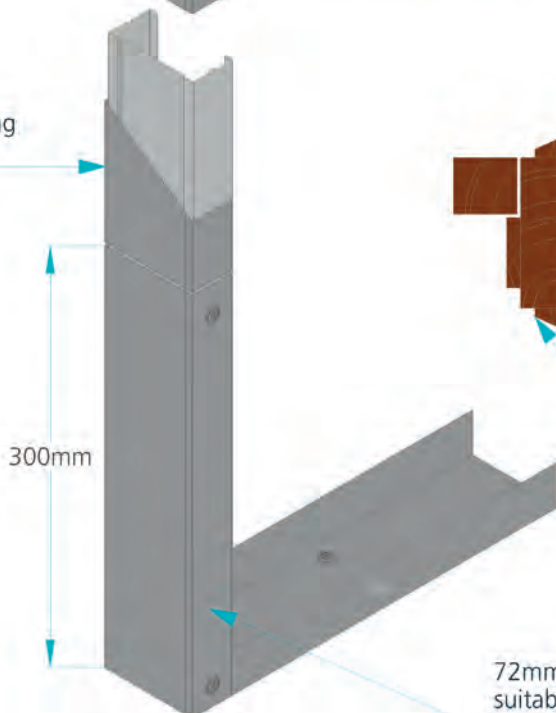
SFS70 - 70mm SFS C stud fixed to channel at head & base with Wafer Head Drywall Screws or crimping tool



72mm Channel (72 SFS U Track) cut & bent to extend 150mm down studs & twice fixed each side with Wafer Head Drywall Screws or crimping tool

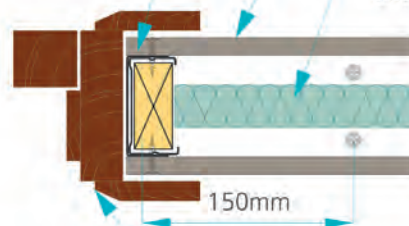


Stud sleeved to full opening height with 72mm SFS U Track



1 layer of Plasterboard fixed with 25mm Drywall Screws at 300mm centres

Insulation where required and specified

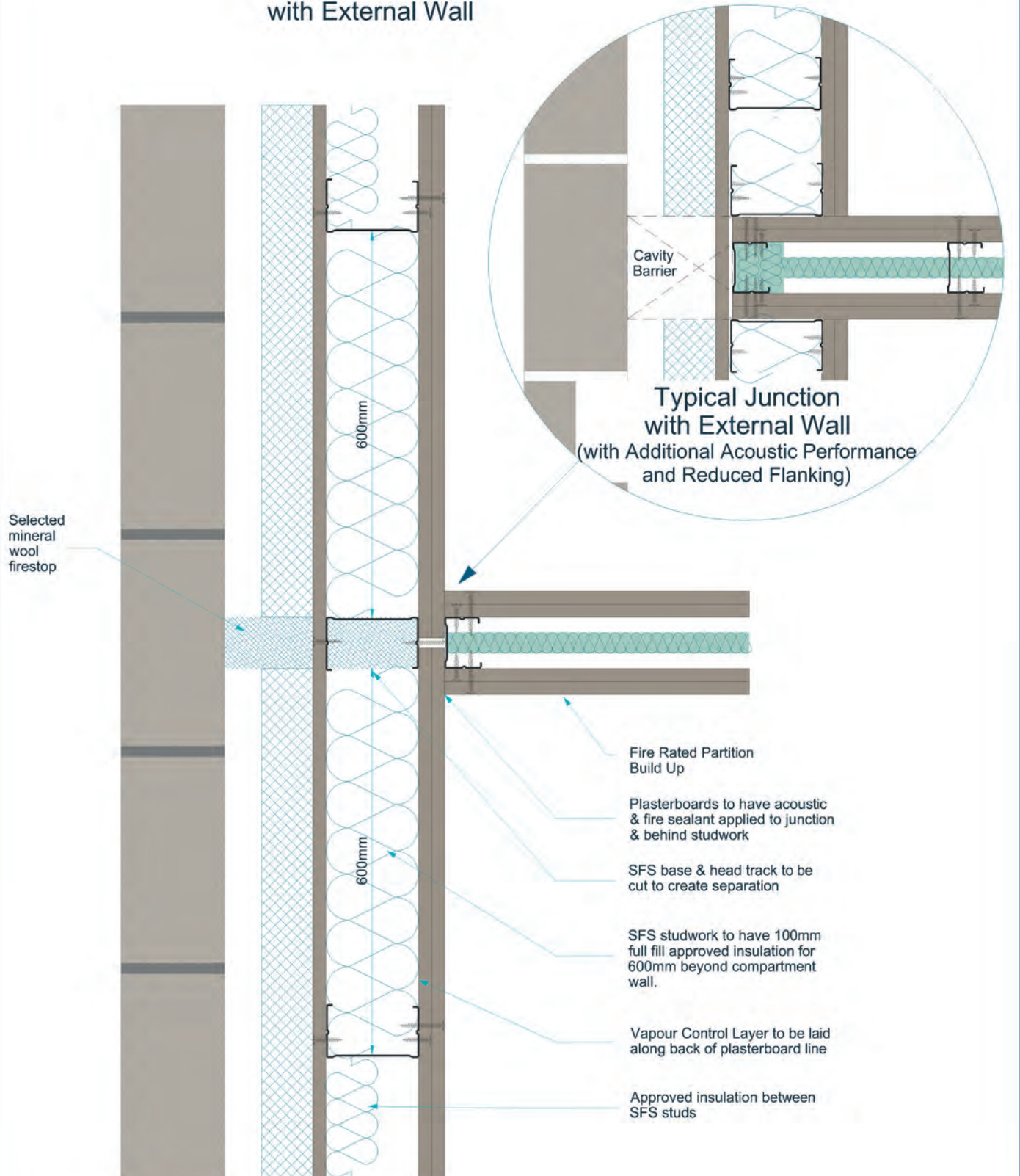


Indicative timber door frame & architrave fixed to timber lining

72mm SFS U Track suitably fixed to floor with 2 pairs of fixings at 150mm centres (4 total) & at 600mm centres thereafter. Channel cut & bent to extend 300mm up studs & twice fixed each side with Wafer Head Drywall Screws

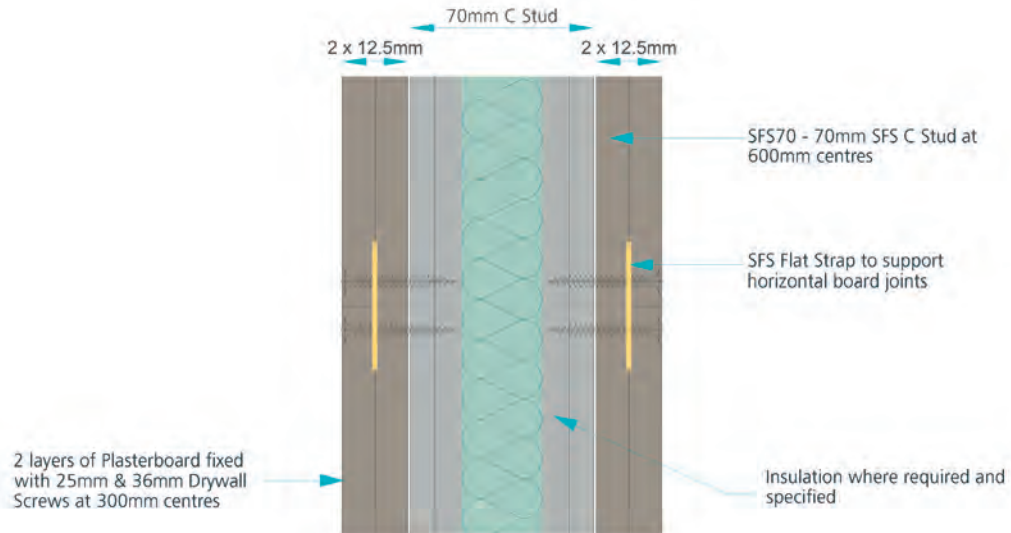
N.B.  
The door manufacturer or installer should be consulted about their recommendations in relation to this detail

Typical Junction  
with External Wall

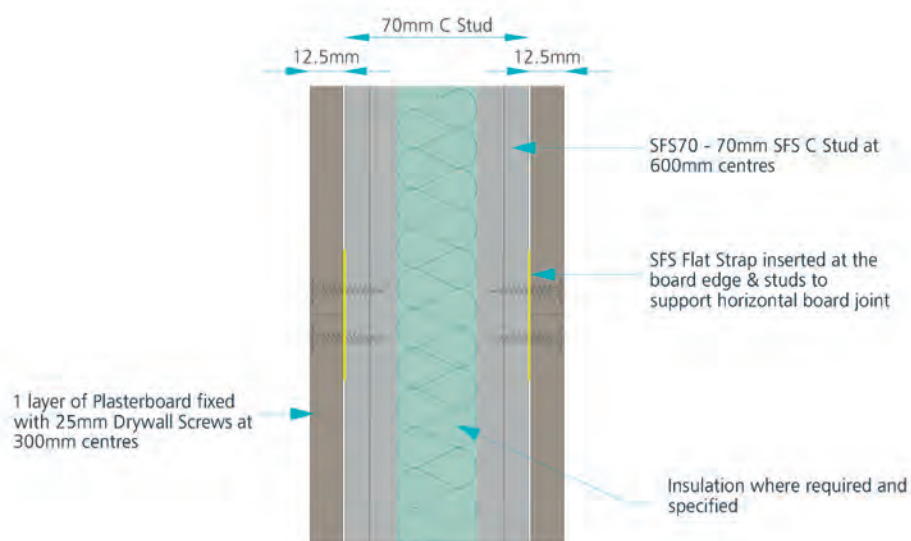




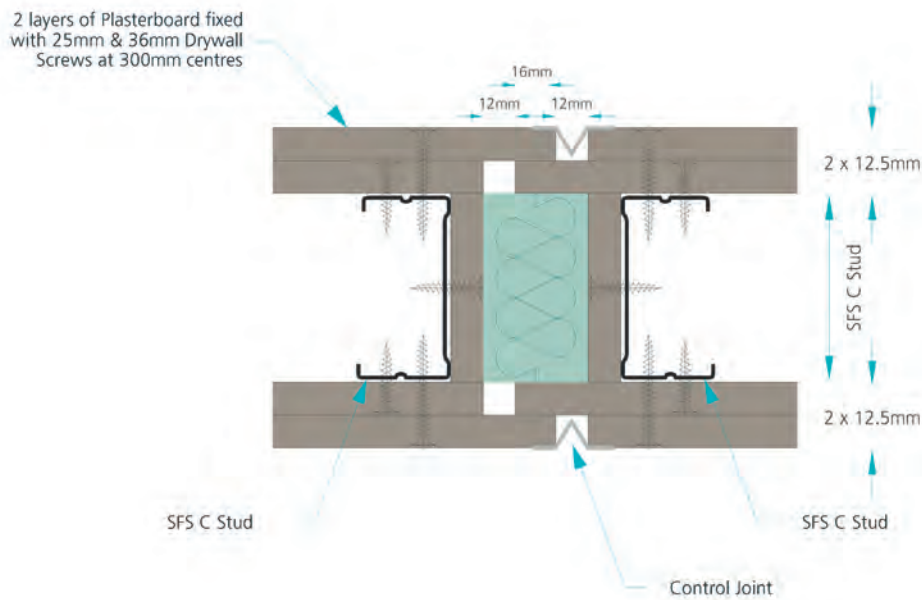
Typical 70mm C Stud  
Horizontal Double Board Joint Detail



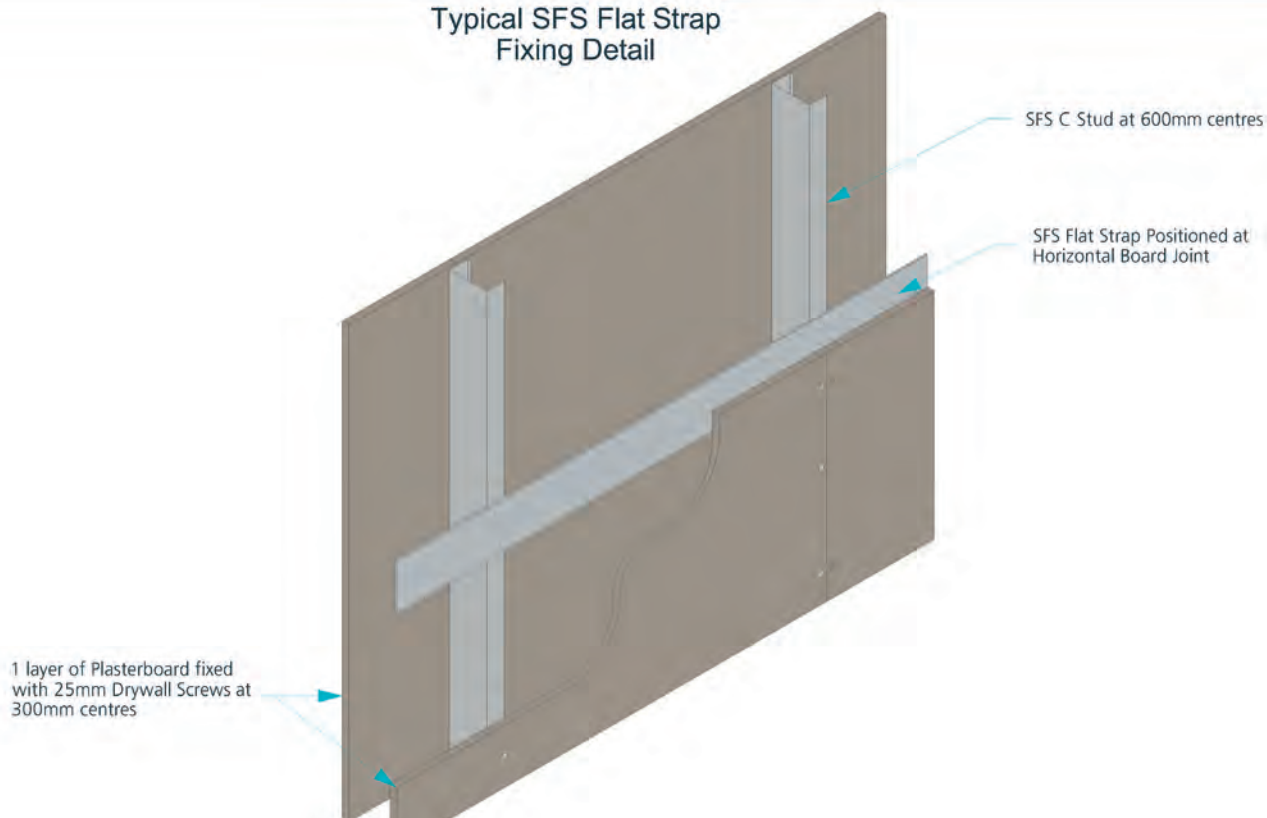
Typical 70mm C Stud  
Horizontal Board Joint Detail

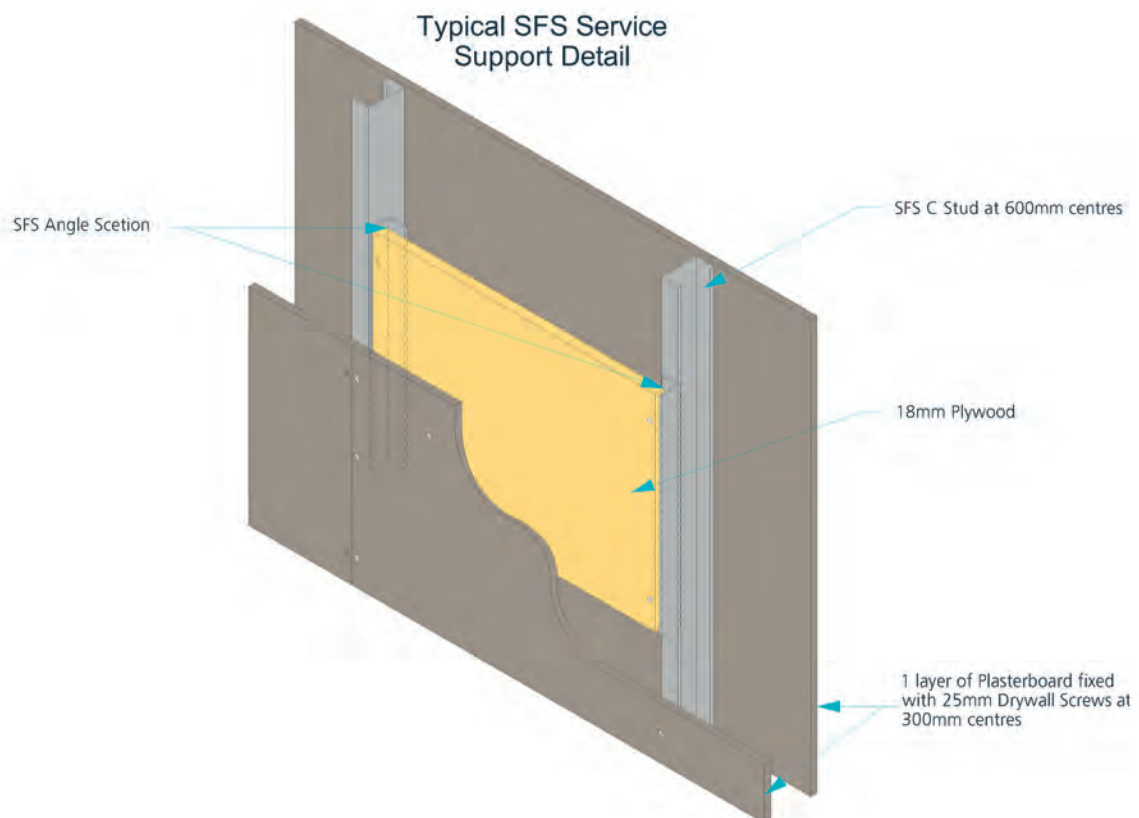


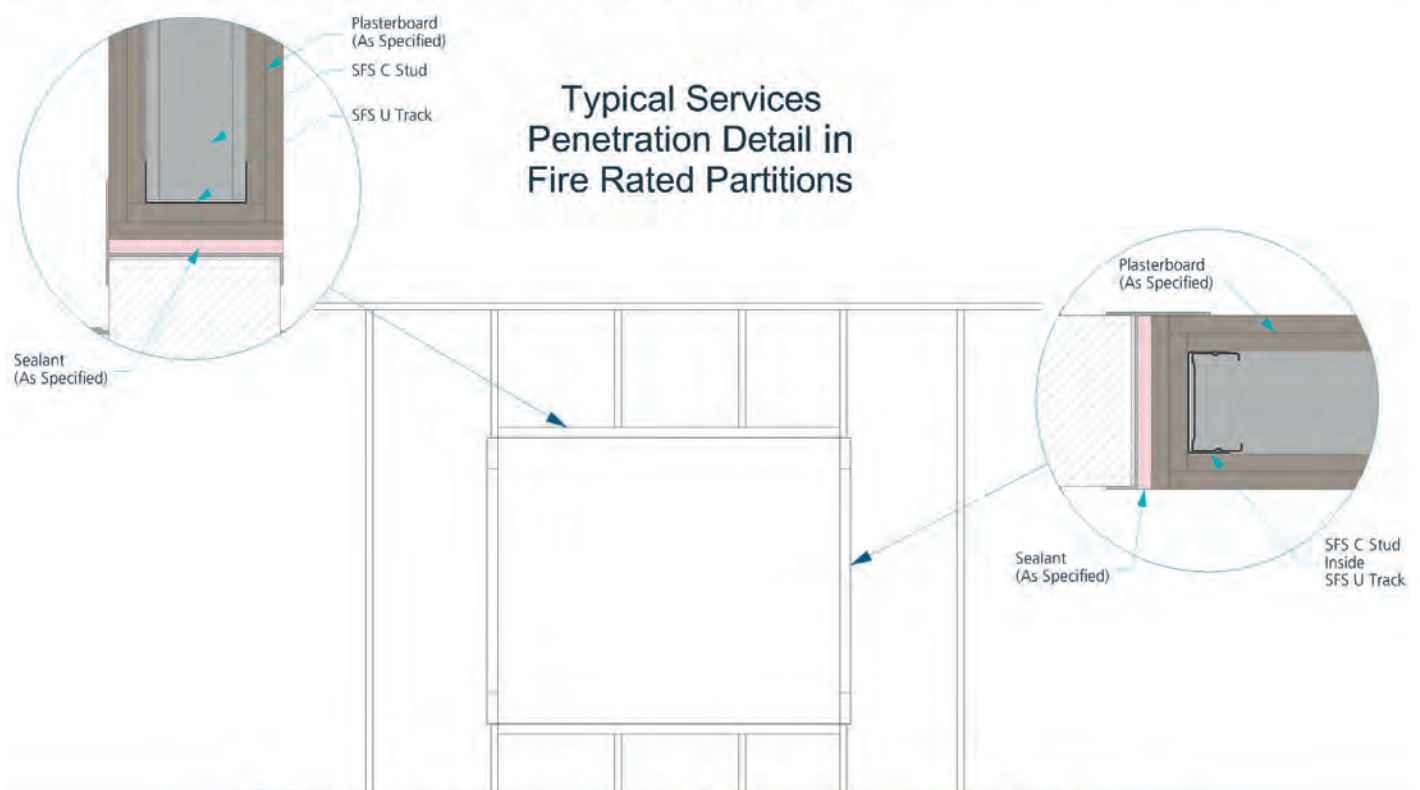
Typical  
Control Joint



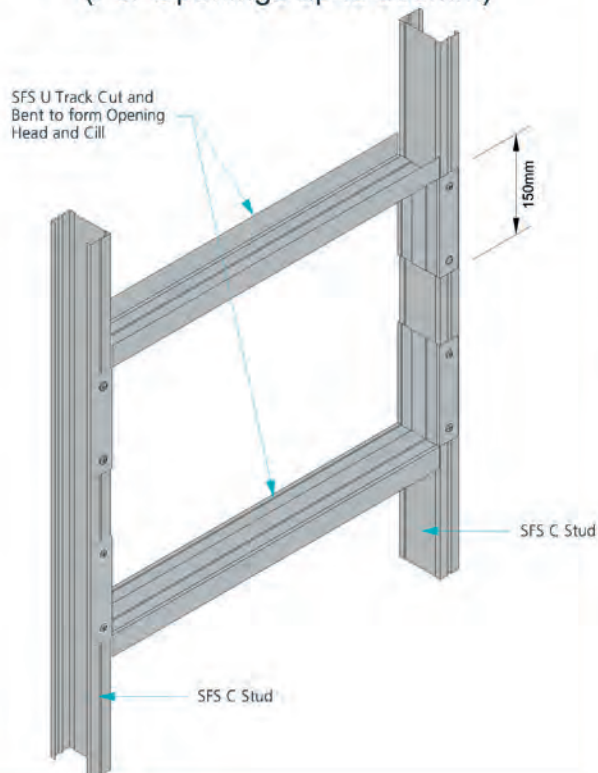
Typical SFS Flat Strap  
Fixing Detail



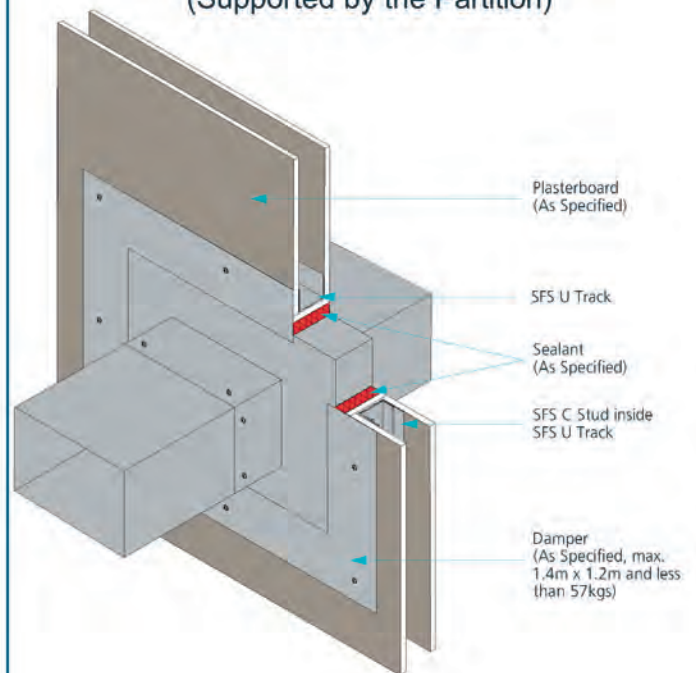




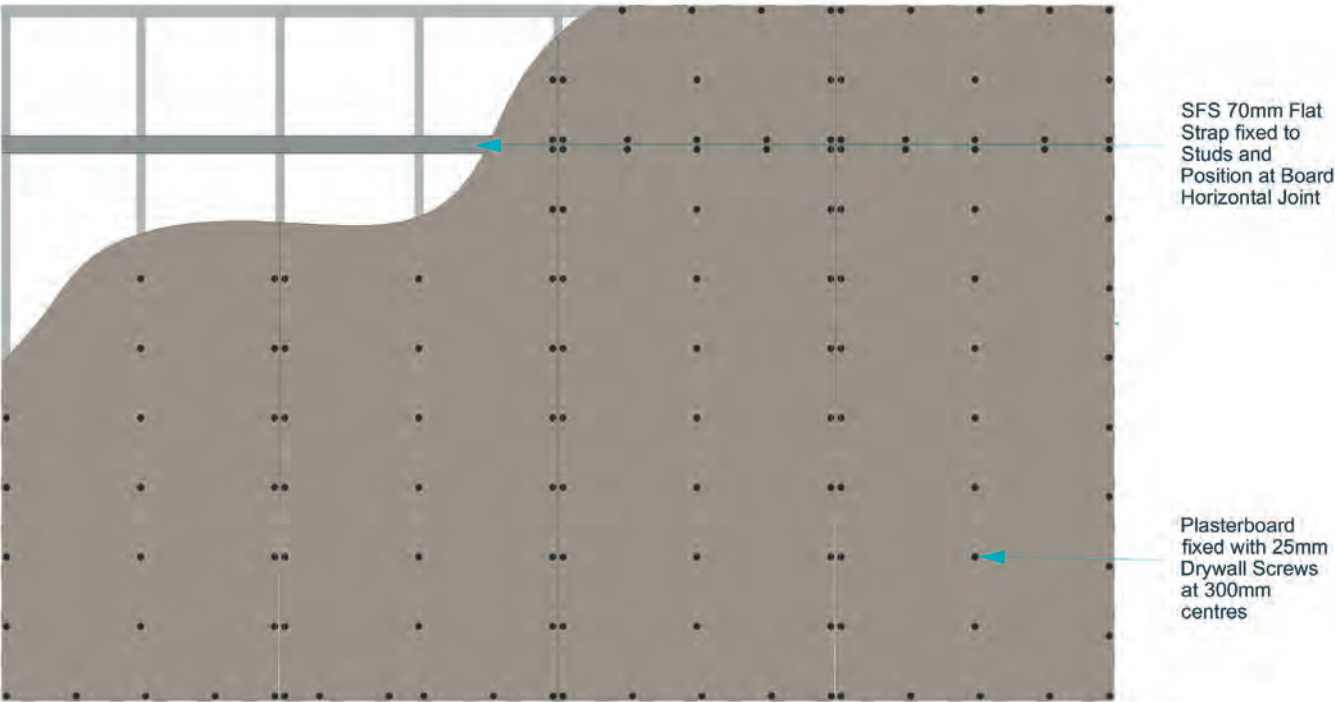
**Typical Services Penetration Detail  
(For Openings up to 600mm)**



**Typical Damper Penetration Detail  
(Supported by the Partition)**

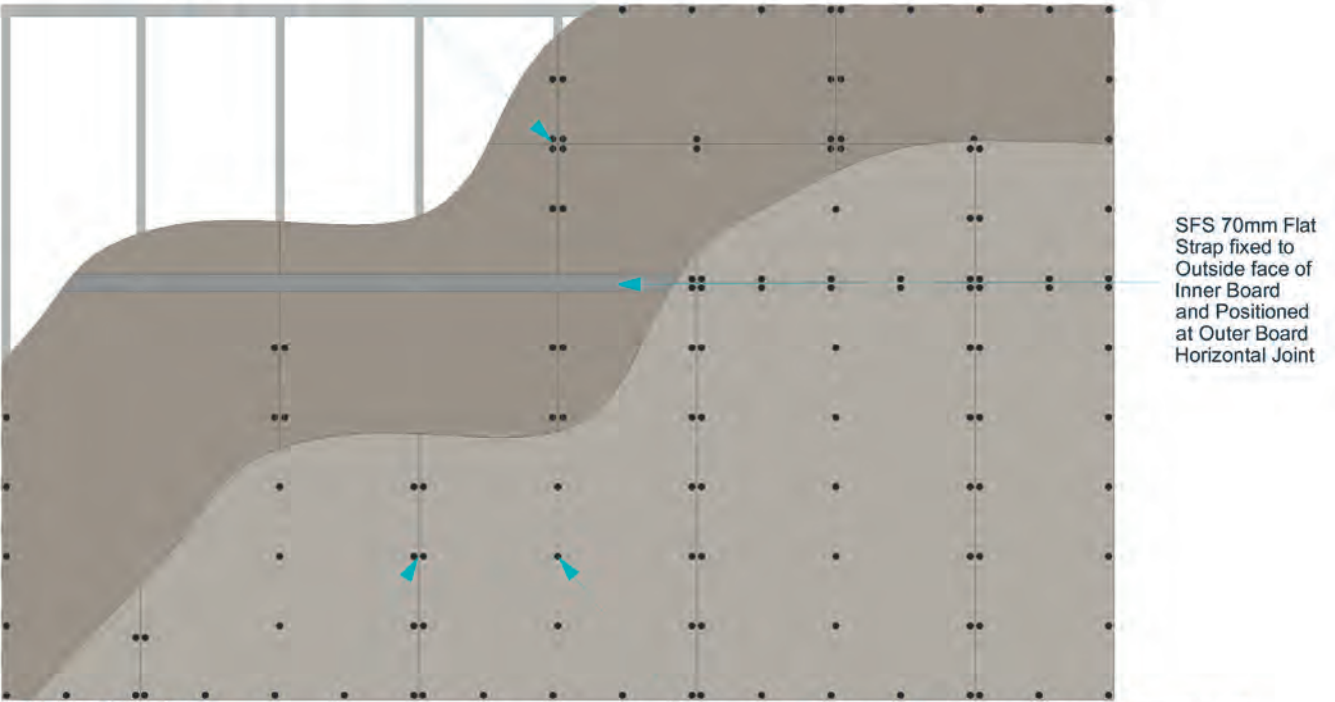


Typical Single Board  
Layout



Inner Plasterboard fixed with 25mm Drywall Screws at 600mm centres

Typical Double Board  
Layout



Outer Layer Plasterboard Positioned so that Vertical Board Joint is Staggered by at Least One Stud Centre

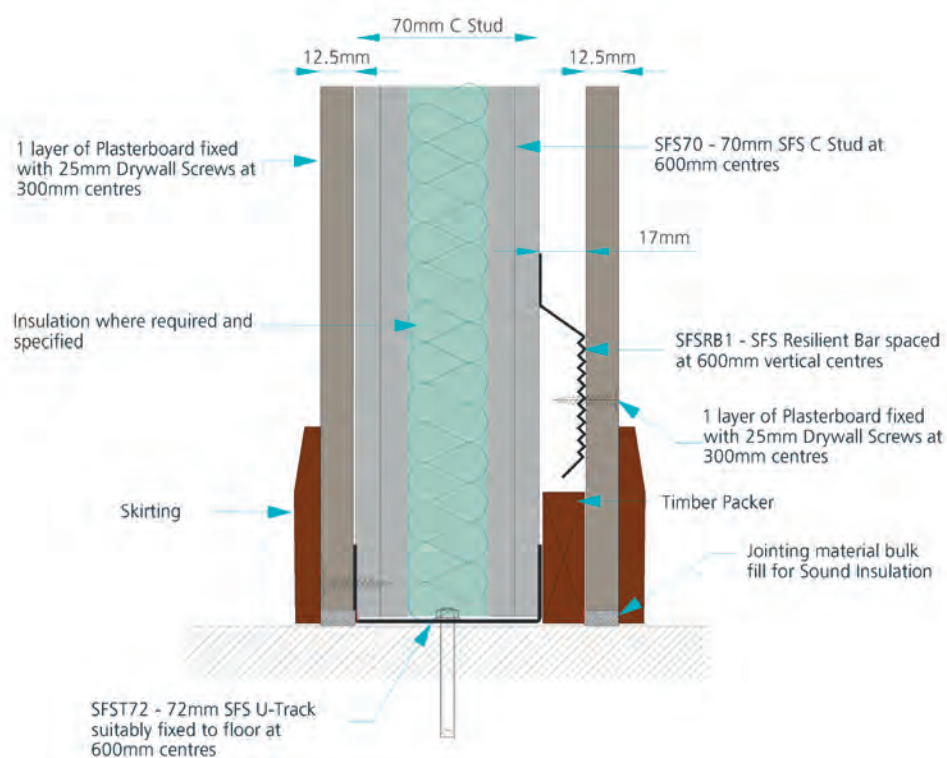
Outer Layer Plasterboard fixed with 36mm Drywall Screws at 300mm centres (42mm Screws when using 15mm Board)

## SFS ACOUSTIC PARTITION SYSTEMS

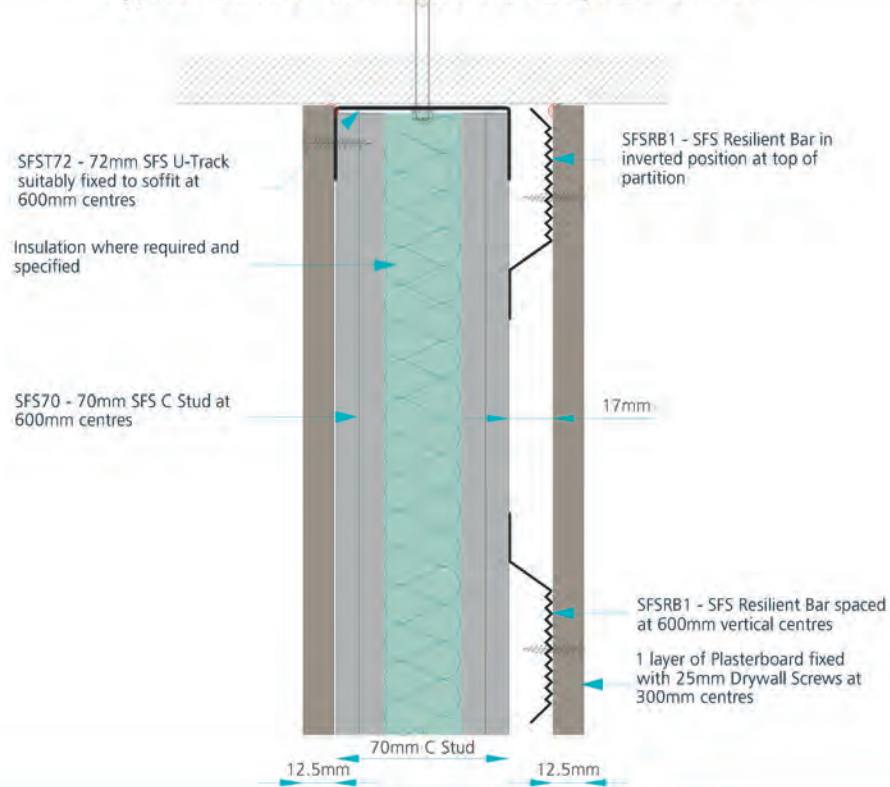
Acoustic performance can typically be improved greatly by the selection of specific acoustic wallboards and insulation however the incorporation of SFS Resilient Bars can also further enhance acoustic performance.

The SFS Resilient Bar partially separates the plasterboard from the metal frame reducing the sound transmission. Fitted horizontally, it can be installed on one or both sides and is suitable for double boarding however you must not fix boards to studs or tracks to ensure optimum acoustic performance. It is easy to fit and reduces installation time when compared to more complex systems.

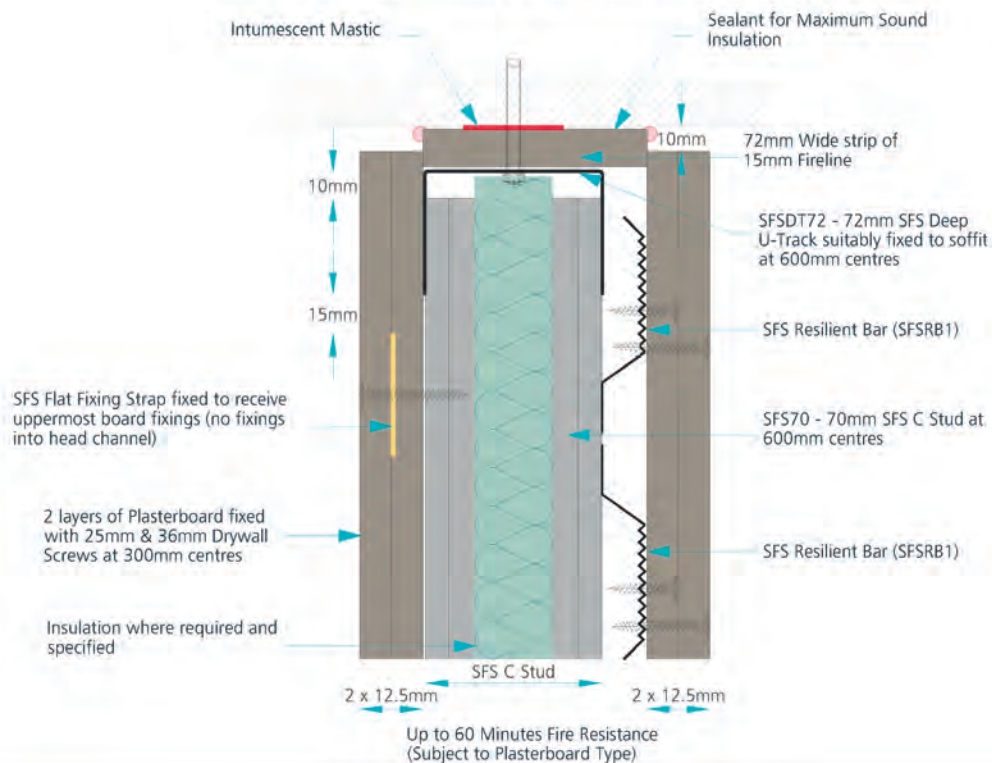
Typical 70mm C Stud  
Base Detail using Resilient Bar



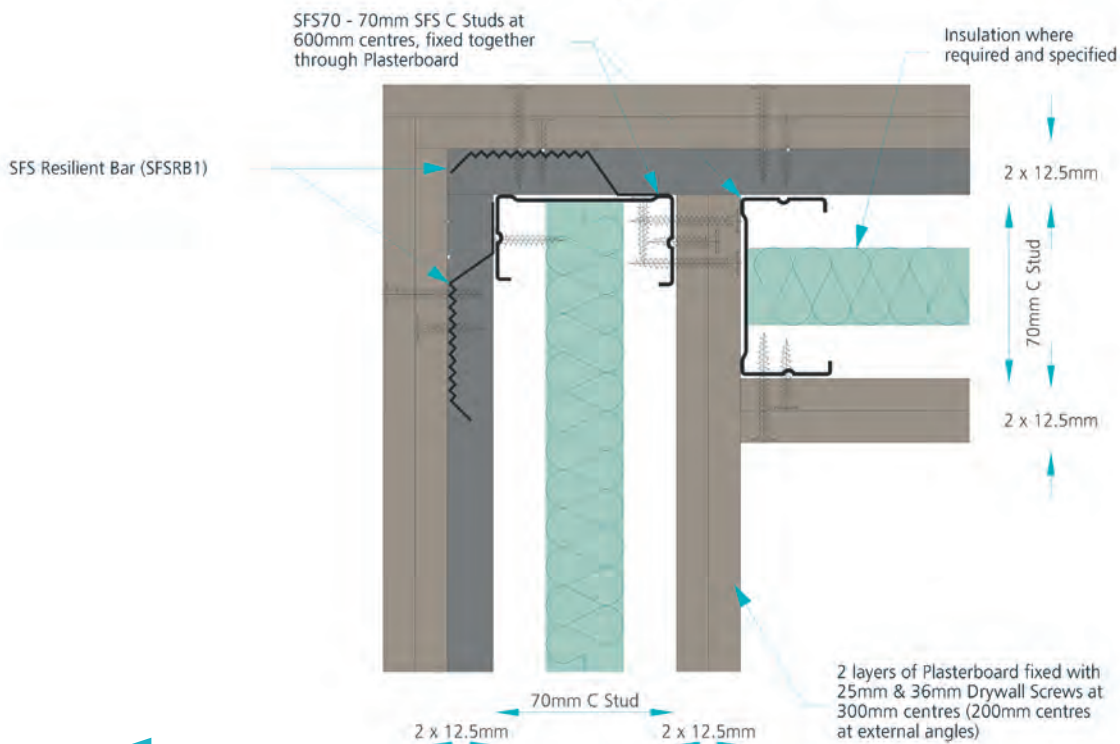
Typical 70mm C Stud Head Detail using Resilient Bar



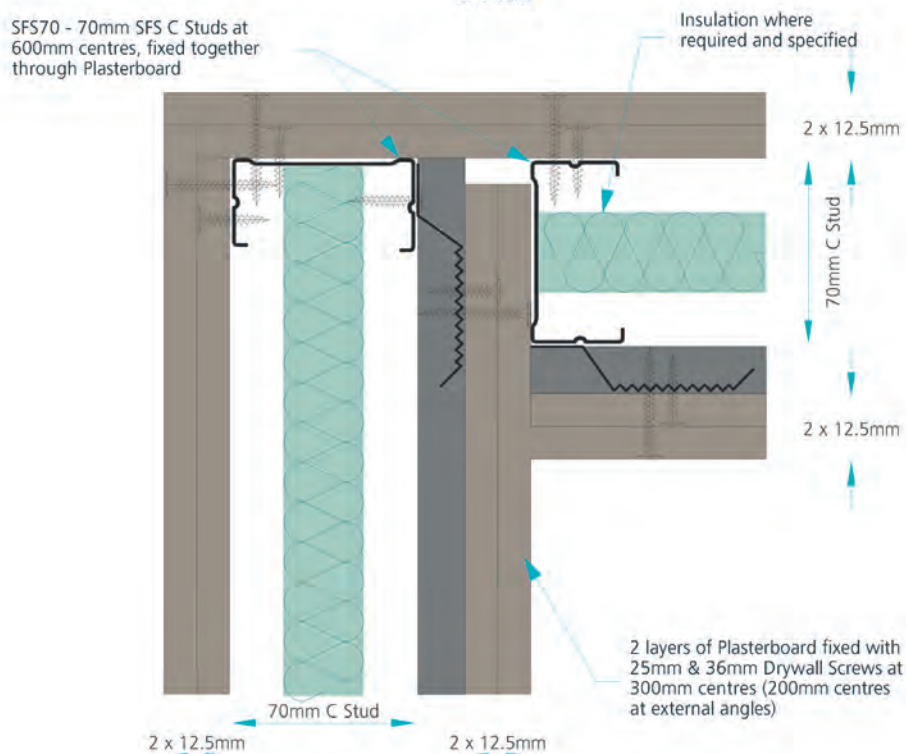
Typical 10mm Downward Movement Deflection Head Detail with Resilient Bar



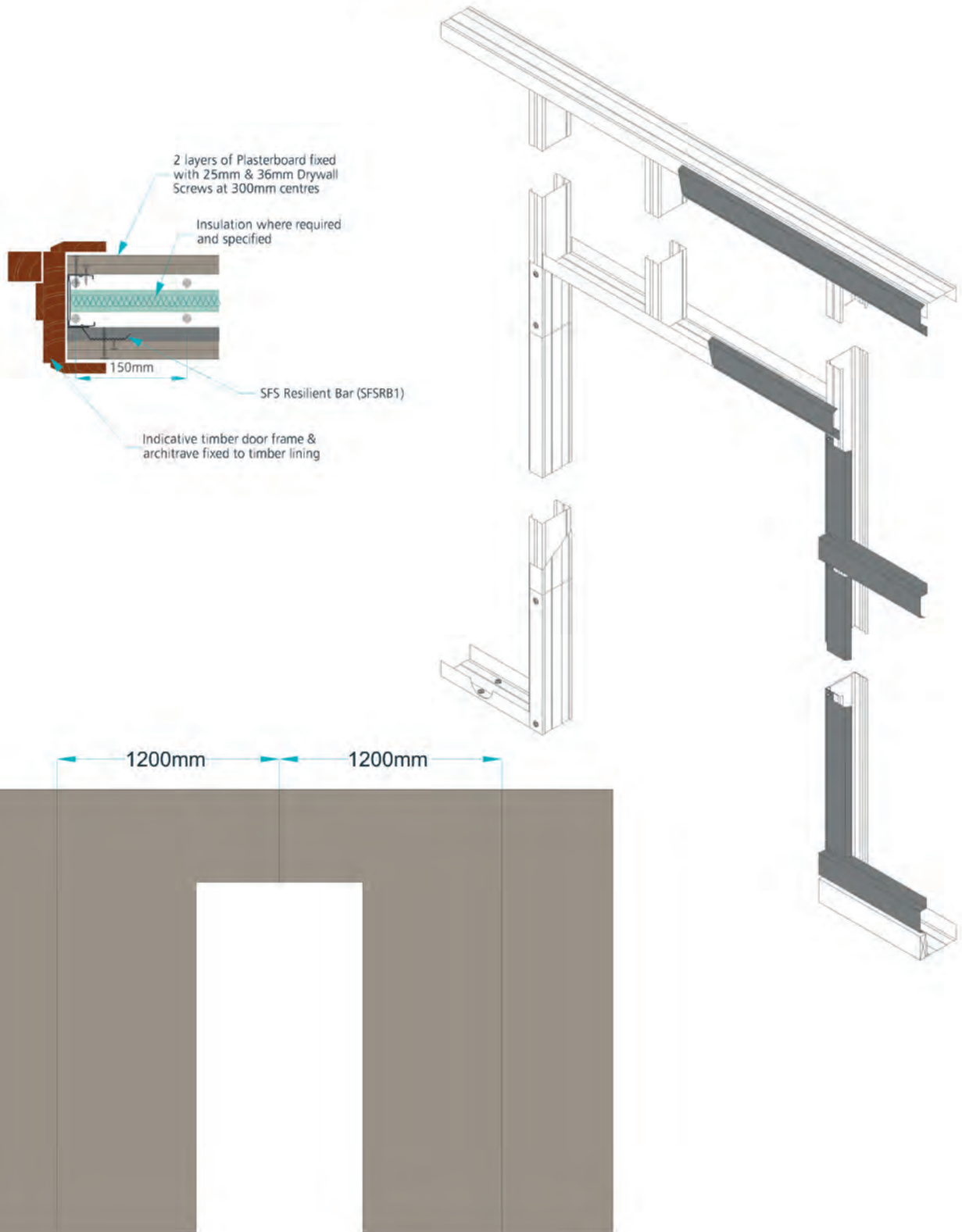
## Resilient Bar to External Corner Detail



## Resilient Bar to Internal Corner Detail



## Typical Heavy Duty Door Frame with Resilient Bar

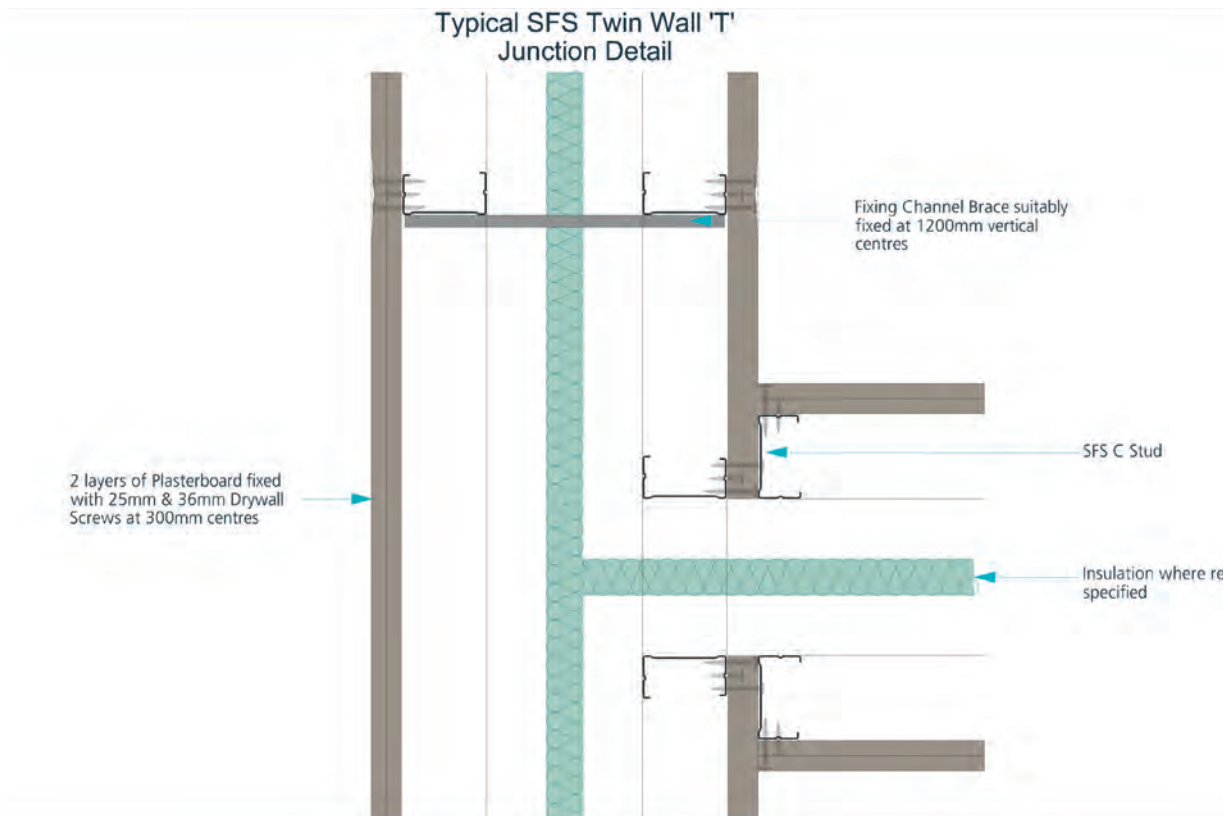




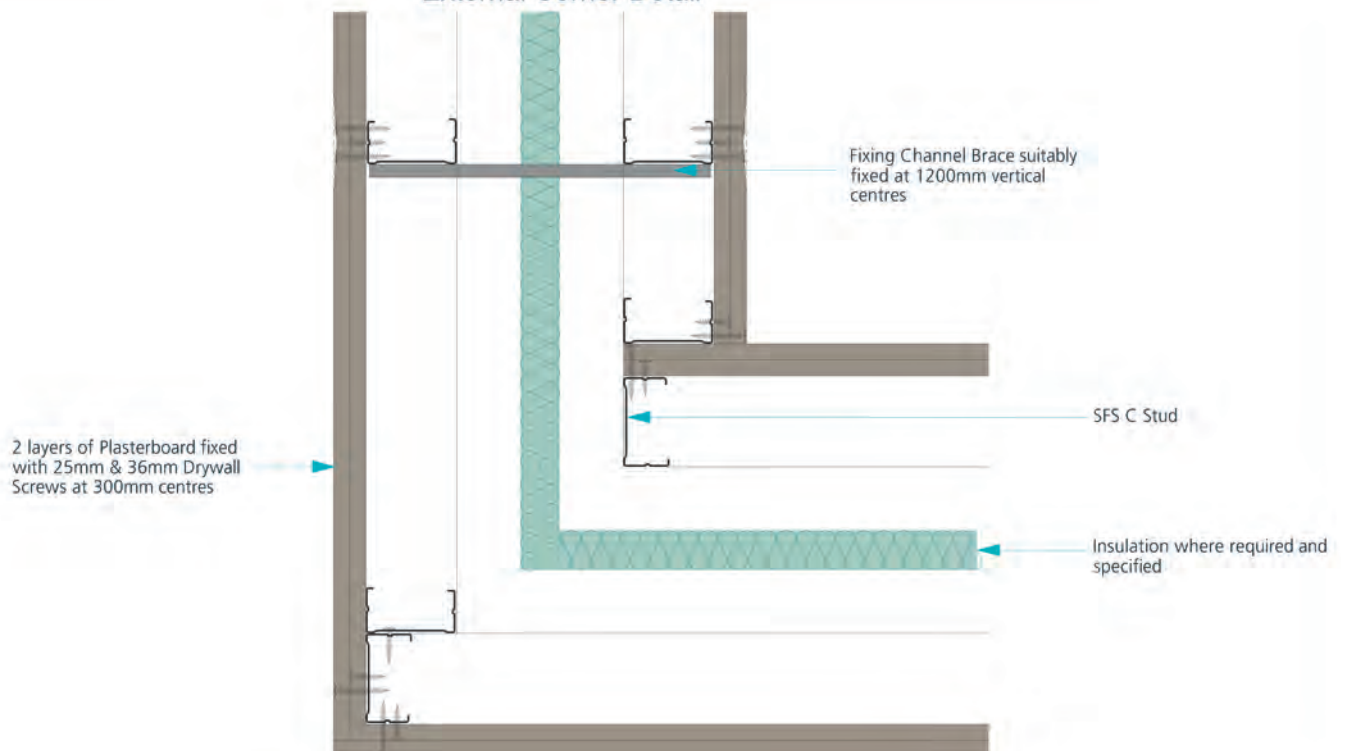
**SFS** Steel Formed Sections

[illegible]

As well as having superior acoustic and fire performance, the cavity between each frame can be easily designed to accommodate services and structural steel within the partition. Increased partition heights are also possible.



Typical SFS Twin Wall Internal / External Corner Detail



## SFS PARTITIONING SYSTEM PERFORMANCE GUIDE


The following Fire and Acoustic results have been obtained on behalf of Steel Formed Sections from Independent Test Bodies in accordance with the associated testing and assessment standards.

The Fire tests are carried out in a 3m x 3m aperture furnace simulating the most intensive period of fire with results based on the initial failure of either the integrity and insulation capacity of the system rounded down to the nearest 30, 60, 90 or 120 minutes.

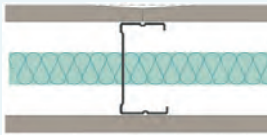
All acoustic test data is conducted within laboratory conditions, built at 600mm centres. On site conditions in which the partition is to be built, deflection head details and reduced stud centres may have an effect on the test figures. A reduction of circa 7dB can potentially be expected when comparing laboratory testing and site testing.

### SFS70 (70MM) C STUD PARTITIONING SYSTEM

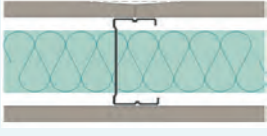
70mm C Stud Single Layer Standard Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	95mm	3.6m	Medium	Gyproc	30mins	SFS1101	-	37dB	SFS076
					Knauf	30mins	SFS1108	-	36dB	SFS012
					Siniat	30mins	SFS1109	-	35dB	SFS255
	15mm	100mm	3.8m	Medium	Gyproc	30mins	SFS1101	-	38dB	SFS066
					Knauf	30mins	SFS1108	-	37dB	SFS172
					Siniat	30mins	SFS1109	-	38dB	SFS173


70mm C Stud Single Layer Standard Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	95mm	3.6m	Medium	Gyproc	30 Mins	SFS1101	-	43dB	SFS120
					Knauf	30 Mins	SFS1108	-	41dB	SFS117
					Siniat	30 Mins	SFS1109	-	41dB	SFS256
	15mm	100mm	3.8m	Medium	Gyproc	30 Mins	SFS1101	-	44dB	SFS072
					Knauf	30 Mins	SFS1108	-	43dB	SFS174
					Siniat	30 Mins	SFS1109	-	44dB	SFS356

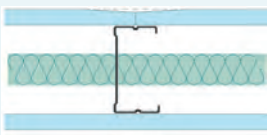
## 70mm C Stud Single Layer Standard Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	95mm	3.6m	Medium	Gyproc	30 Mins	SFS1101	SFS2135	45dB	SFS075
					Knauf	30 Mins	SFS1108	-	43dB	SFS011
					Siniat	30 Mins	SFS1109	-	44dB	SFS354
	15mm	100mm	3.8m	Medium	Gyproc	30 Mins	SFS1101	SFS2135	46dB	SFS073
					Knauf	30 Mins	SFS1108	-	43dB	SFS176
					Siniat	30 Mins	SFS1109	-	48dB	SFS355

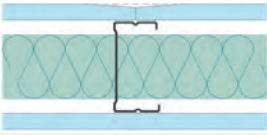
## 70mm C Stud Single Layer Acoustic Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	95mm	3.6m	Medium	Gyproc	30 Mins	SFS1101	SFS2118	40dB	SFS120
					Knauf	30 Mins	SFS1108	-	40dB	SFS117
					Siniat	30 Mins	SFS1109	-	39dB	SFS256
	15mm	100mm	3.8m	Heavy	Gyproc	30 Mins	SFS1135	SFS2118	43dB	SFS072
					Knauf	60 Mins	SFS1126	-	39dB	SFS174
					Siniat	30 Mins	SFS1109	-	41dB	SFS356

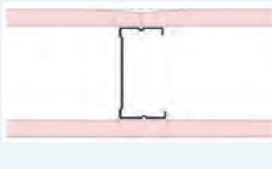
## 70mm C Stud Single Layer Acoustic Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	95mm	3.6m	Medium	Gyproc	30 Mins	SFS1101	SFS2118	47dB	SFS060
					Knauf	30 Mins	SFS1108	-	46dB	SFS252
					Siniat	30 Mins	SFS1109	-	45dB	SFS035
	15mm	100mm	3.8m	Heavy	Gyproc	30 Mins	SFS1135	SFS2118	48dB	SFS045
					Knauf	60 Mins	SFS1126	-	44dB	SFS009
					Siniat	30 Mins	SFS1109	-	45dB	SFS032

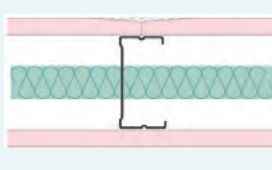
## 70mm C Stud Single Layer Acoustic Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	95mm	3.6m	Medium	Gyproc	30 Mins	SFS1101	SFS2118	49dB	SFS059
					Knauf	30 Mins	SFS1108	-	48dB	SFS091
					Siniat	30 Mins	SFS1109	-	47dB	SFS034
	15mm	100mm	3.8m	Heavy	Gyproc	30 Mins	SFS1135	SFS2118	48dB	SFS057
					Knauf	60 Mins	SFS1126	-	48dB	SFS010
					Siniat	30 Mins	SFS1109	-	46dB	SFS031

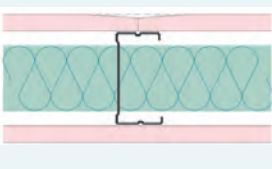
## 70mm C Stud Single Layer Fire Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	95mm	3.6m	Medium	Gyproc	30 Mins	SFS1101	SFS2118	38dB	SFS051
					Knauf	30 Mins	SFS1108	-	37dB	SFS293
					Siniat	30 Mins	SFS1109	-	38dB	SFS272
	15mm	100mm	3.8m	Heavy	Gyproc	60 Mins	-	SFS2104	40dB	SFS015
					Knauf	60 Mins	-	SFS2111	38dB	SFS298
					Siniat	60 Mins	-	SFS2112	39dB	SFS273


## 70mm C Stud Single Layer Fire Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	95mm	3.6m	Medium	Gyproc	30 Mins	SFS1101	SFS2118	44dB	SFS003
					Knauf	30 Mins	SFS1108	-	43dB	SFS297
					Siniat	30 Mins	SFS1109	-	42dB	SFS276
	15mm	100mm	3.8m	Heavy	Gyproc	60 Mins	-	SFS2104	44dB	SFS048
					Knauf	60 Mins	-	SFS2111	44dB	SFS302
					Siniat	60 Mins	-	SFS2112	44dB	SFS278

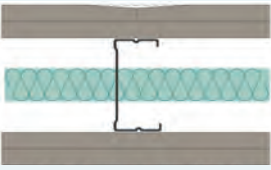
## 70mm C Stud Single Layer Fire Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	95mm	3.6m	Medium	Gyproc	30 Mins	SFS1101	SFS2118	45dB	SFS050
					Knauf	30 Mins	SFS1108	-	45dB	SFS296
					Siniat	30 Mins	SFS1109	-	44dB	SFS277
	15mm	100mm	3.8m	Heavy	Gyproc	60 Mins	-	SFS2104	44dB	-
					Knauf	60 Mins	-	SFS2111	46dB	SFS303
					Siniat	60 Mins	-	SFS2112	46dB	SFS279

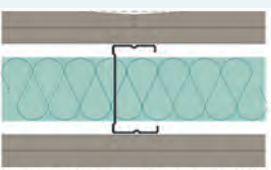
## 70mm C Stud Double Layer Standard Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	120mm	4.6m	Severe	Gyproc	60 Mins	SFS1127	SFS2136	47dB	SFS070
					Knauf	60 Mins	-	SFS2107	45dB	SFS014
					Siniat	60 Mins	-	SFS2108	44dB	SFS260
	2 x 15mm	130mm	4.9m	Severe	Gyproc	90 Mins	SFS1112	-	48dB	SFS067
					Knauf	90 Mins	SFS1117	-	45dB	SFS103
					Siniat	90 Mins	SFS1114	-	48dB	SFS196

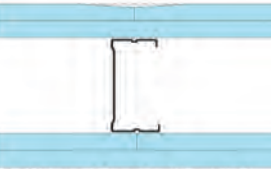
## 70mm C Stud Double Layer Standard Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	120mm	4.6m	Severe	Gyproc	60 Mins	SFS1127	SFS2136	53dB	SFS071
					Knauf	60 Mins	-	SFS2107	50dB	SFS005
					Siniat	60 Mins	-	SFS2108	51dB	SFS259
	2 x 15mm	130mm	4.9m	Severe	Gyproc	90 Mins	SFS1112	-	53dB	SFS068
					Knauf	90 Mins	SFS1117	-	53dB	SFS197
					Siniat	90 Mins	SFS1114	-	53dB	SFS198

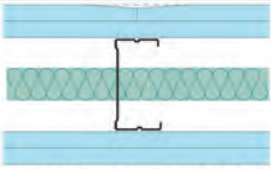
## 70mm C Stud Double Layer Standard Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	120mm	4.6m	Severe	Gyproc	60 Mins	SFS1127	SFS2136	50dB	SFS121
					Knauf	60 Mins	-	SFS2107	51dB	SFS004
					Siniat	60 Mins	-	SFS2108	50dB	SFS258
	2 x 15mm	130mm	4.9m	Severe	Gyproc	90 Mins	SFS1112	-	54dB	SFS069
					Knauf	90 Mins	SFS1117	-	52dB	SFS199
					Siniat	90 Mins	SFS1114	-	56dB	SFS357

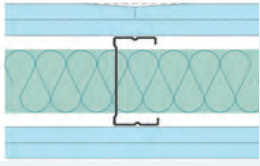
## 70mm C Stud Double Layer Acoustic Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	120mm	4.6m	Severe	Gyproc	60 Mins	SFS1127	SFS2136	49dB	SFS065
					Knauf	60 Mins	-	SFS2107	48dB	SFS006
					Siniat	60 Mins	-	SFS2108	49dB	SFS029
	2 x 15mm	130mm	4.9m	Severe	Gyproc	90 Mins	SFS1112	-	51dB	SFS061
					Knauf	90 Mins	SFS1110	-	48dB	SFS096
					Siniat	90 Mins	SFS1114	-	48dB	SFS019

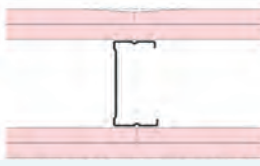
## 70mm C Stud Double Layer Acoustic Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	120mm	4.6m	Severe	Gyproc	60 Mins	SFS1127	SFS2136	53dB	SFS064
					Knauf	60 Mins	-	SFS2107	54dB	SFS169
					Siniat	60 Mins	-	SFS2108	54dB	SFS028
	2 x 15mm	130mm	4.9m	Severe	Gyproc	90 Mins	SFS1112	-	55dB	SFS063
					Knauf	90 Mins	SFS1110	-	54dB	SFS095
					Siniat	90 Mins	SFS1114	-	54dB	SFS021

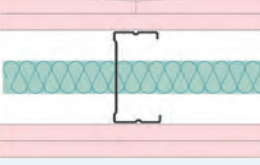
## 70mm C Stud Double Layer Acoustic Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	120mm	4.6m	Severe	Gyproc	60 Mins	SFS1127	SFS2136	55dB	SFS157
					Knauf	60 Mins	-	SFS2107	53dB	SFS115
					Siniat	60 Mins	-	SFS2108	56dB	SFS027
	2 x 15mm	130mm	4.9m	Severe	Gyproc	90 Mins	SFS1112	-	58dB	SFS041
					Knauf	90 Mins	SFS1110	-	56dB	SFS092
					Siniat	90 Mins	SFS1114	-	55dB	SFS020

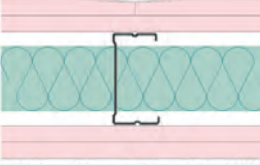
## 70mm C Stud Double Layer Fire Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	120mm	4.6m	Severe	Gyproc	120 Mins	-	SFS2103	46dB	SFS054
					Knauf	120 Mins	-	SFS2106	46dB	SFS294
					Siniat	120 Mins	-	SFS2110	46dB	SFS274
	2 x 15mm	130mm	4.9m	Severe	Gyproc	120 Mins	-	SFS2103	48dB	SFS022
					Knauf	120 Mins	-	SFS2106	48dB	SFS299
					Siniat	120 Mins	-	SFS2110	48dB	SFS275

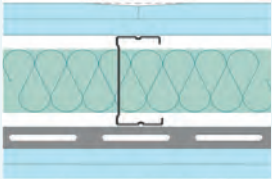
## 70mm C Stud Double Layer Fire Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	120mm	4.6m	Severe	Gyproc	120 Mins	-	SFS2103	49dB	SFS053
					Knauf	120 Mins	-	SFS2106	52dB	SFS102
					Siniat	120 Mins	-	SFS2110	-	-
	2 x 15mm	130mm	4.9m	Severe	Gyproc	120 Mins	-	SFS2103	52dB	SFS023
					Knauf	120 Mins	-	SFS2106	55dB	SFS301
					Siniat	120 Mins	-	SFS2110	53dB	SFS283

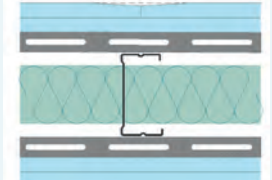
## 70mm C Stud Double Layer Fire Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	120mm	4.6m	Severe	Gyproc	120 Mins	-	SFS2103	50dB	SFS052
					Knauf	120 Mins	-	SFS2106	54dB	SFS295
					Siniat	120 Mins	-	SFS2110	54dB	SFS286
	2 x 15mm	130mm	4.9m	Severe	Gyproc	120 Mins	-	SFS2103	52dB	SFS023
					Knauf	120 Mins	-	SFS2106	57dB	SFS300
					Siniat	120 Mins	-	SFS2110	56dB	SFS284

## 70mm C Stud Double Layer Acoustic Board with 50mm Insulation & Resilient Bar Performance Guide


	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	137mm	4.6m	Severe	Gyproc Knauf Siniat	60 Mins - -	- - -	SFS2119 - -	62 dB 59 dB 61 dB	SFS332 SFS116 SFS334
	2 x 15mm	147mm	4.9m	Severe	Gyproc Knauf Siniat	90 Mins - -	- - -	SFS2121 - -	61 dB 58 dB -	SFS040 SFS093 -

## 70mm C Stud Double Layer Acoustic Board with 50mm Insulation & 2x Resilient Bar Performance Guide

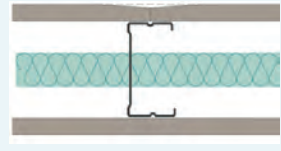
	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	137mm	4.6m	Severe	Gyproc	90 Mins	-	SFS2157	61 dB	SFS349
	2 x 15mm	147mm	4.9m	Severe	Gyproc	90 Mins	-	SFS2157	63 dB	SFS350

## SFS90 (90MM) C STUD PARTITIONING SYSTEM

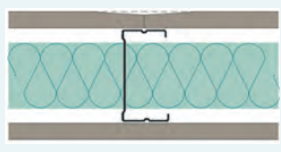
### 90mm C Stud Single Layer Standard Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	115mm	4.5m	Medium	Gyproc	-	-	-	-	-
					Knauf	-	-	-	36dB	SFS291
					Siniat	-	-	-	35dB	SFS322
	15mm	120mm	4.7m	Medium	Gyproc	-	-	-	41dB	SFS3171
					Knauf	-	-	-	-	-
					Siniat	-	-	-	38dB	SFS328


### 90mm C Stud Single Layer Standard Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	115mm	4.5m	Medium	Gyproc	-	-	-	-	-
					Knauf	-	-	-	-	-
					Siniat	-	-	-	41dB	SFS323
	15mm	120mm	4.7m	Medium	Gyproc	-	-	-	47dB	SFS372
					Knauf	-	-	-	-	-
					Siniat	-	-	-	43dB	SFS329

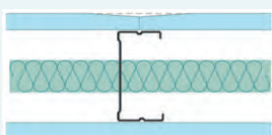
### 90mm C Stud Single Layer Standard Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	115mm	4.5m	Medium	Gyproc	30 Mins	-	SFS2135	-	-
					Knauf	-	-	-	-	-
					Siniat	-	-	-	42dB	SFS324
	15mm	120mm	4.7m	Medium	Gyproc	30 Mins	-	SFS2135	49dB	SFS373
					Knauf	-	-	-	-	-
					Siniat	-	-	-	46dB	SFS330

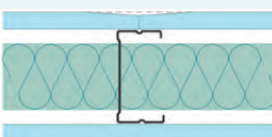
### 90mm C Stud Single Layer Acoustic Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	115mm	4.5m	Medium	Gyproc	30 Mins	-	SFS2118	41dB	SFS178
					Knauf	-	-	-	40dB	SFS179
					Siniat	-	-	-	38dB	SFS180
	15mm	120mm	4.7m	Heavy	Gyproc	30 Mins	-	SFS2118	44dB	SFS181
					Knauf	-	-	-	41dB	SFS361
					Siniat	30 Mins	-	-	41dB	SFS183

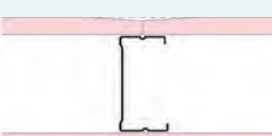
## 90mm C Stud Single Layer Acoustic Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	115mm	4.5m	Medium	Gyproc Knauf Siniat	30 Mins - -	- - -	SFS2118 - -	47dB 46dB 43dB	SFS184 SFS185 SFS186
	15mm	120mm	4.7m	Heavy	Gyproc Knauf Siniat	30 Mins - -	- - -	SFS2118 - -	49dB 46dB 44dB	SFS190 SFS362 SFS192

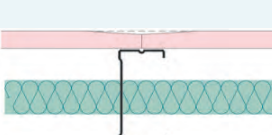
## 90mm C Stud Single Layer Acoustic Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	115mm	4.5m	Medium	Gyproc Knauf Siniat	30 Mins - -	- - -	SFS2118 - -	49dB 49dB 46dB	SFS187 SFS188 SFS189
	15mm	120mm	4.7m	Heavy	Gyproc Knauf Siniat	30 Mins - -	- - -	SFS2118 - -	51dB 52dB 46dB	SFS193 SFS360 SFS195

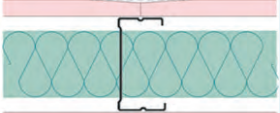
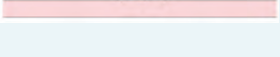
## 90mm C Stud Single Layer Fire Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	115mm	4.5m	Medium	Gyproc Knauf Siniat	30 Mins - -	- - -	SFS2118 - -	- - -	- - -
	15mm	120mm	4.7m	Heavy	Gyproc Knauf Siniat	60 Mins 60 Mins 60 Mins	- - -	SFS2104 SFS2111 SFS2112	41dB - -	SFS358 - -

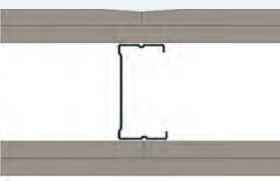
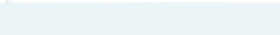
## 90mm C Stud Single Layer Fire Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	115mm	4.5m	Medium	Gyproc Knauf Siniat	30 Mins - -	- - -	SFS2118 - -	- - -	- - -
	15mm	120mm	4.7m	Heavy	Gyproc Knauf Siniat	60 Mins 60 Mins 60 Mins	- - -	SFS2104 SFS2111 SFS2112	45dB - -	SFS271 - -

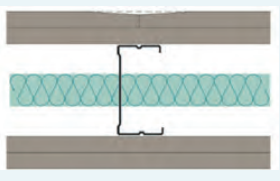
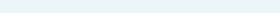
## 90mm C Stud Single Layer Fire Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	12.5mm	115mm	4.5m	Medium	Gyproc	30 Mins	-	SFS2135	-	-
					Knauf	-	-	-	-	-
					Siniat	-	-	-	-	-
	15mm	120mm	4.7m	Heavy	Gyproc	60 Mins	-	SFS2104	48dB	SFS359
					Knauf	60 Mins	-	SFS2111	-	-
					Siniat	60 Mins	-	SFS2112	-	-

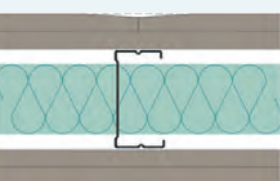
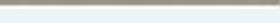
## 90mm C Stud Double Layer Standard Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	140mm	5.7m	Severe	Gyproc	60 Mins	SFS1129	SFS2136	49dB	SFS370
					Knauf	60 Mins	-	SFS2107	43dB	SFS288
					Siniat	60 Mins	-	SFS2108	44dB	SFS327
	2 x 15mm	150mm	5.9m	Severe	Gyproc	-	-	-	51dB	SFS367
					Knauf	-	-	-	-	-
					Siniat	-	-	-	-	-

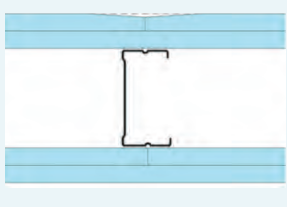
## 90mm C Stud Double Layer Standard Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	140mm	5.7m	Severe	Gyproc	60 Mins	SFS1129	SFS2136	55dB	SFS369
					Knauf	60 Mins	-	SFS2107	40dB	SFS290
					Siniat	60 Mins	-	SFS2108	49dB	SFS326
	2 x 15mm	150mm	5.9m	Severe	Gyproc	-	-	-	-	-
					Knauf	-	-	-	-	-
					Siniat	-	-	-	-	-

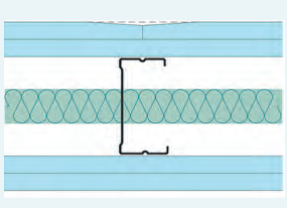
## 90mm C Stud Double Layer Standard Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	140mm	5.7m	Severe	Gyproc	60 Mins	SFS1129	SFS2136	56dB	SFS368
					Knauf	60 Mins	-	SFS2107	41dB	SFS289
					Siniat	60 Mins	-	SFS2108	50dB	SFS325
	2 x 15mm	150mm	5.9m	Severe	Gyproc	-	-	-	55dB	SFS365
					Knauf	-	-	-	-	-
					Siniat	-	-	-	52dB	SFS331

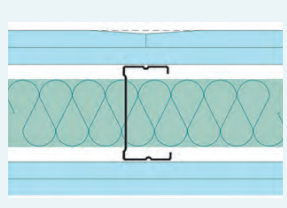
## 90mm C Stud Double Layer Acoustic Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	140mm	5.7m	Severe	Gyproc Knauf Siniat	60 Mins	SFS1129	SFS2136	51dB	SFS203
						60 Mins	-	SFS2107	51dB	SFS204
						60 Mins	-	SFS2108	48dB	SFS205
	2 x 15mm	150mm	5.9m	Severe	Gyproc Knauf Siniat	-	-	-	53dB	SFS206
						-	-	-	51dB	SFS207
						-	-	-	49dB	SFS208

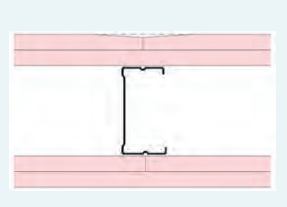
## 90mm C Stud Double Layer Acoustic Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	140mm	5.7m	Severe	Gyproc Knauf Siniat	60 Mins	SFS1129	SFS2136	55dB	SFS209
						60 Mins	-	SFS2107	56dB	SFS210
						60 Mins	-	SFS2108	51dB	SFS211
	2 x 15mm	150mm	5.9m	Severe	Gyproc Knauf Siniat	-	-	-	57dB	SFS216
						-	-	-	54dB	SFS217
						-	-	-	53dB	SFS218

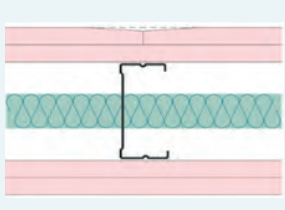
## 90mm C Stud Double Layer Acoustic Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	140mm	5.7m	Severe	Gyproc Knauf Siniat	60 Mins	SFS1129	SFS2136	55dB	SFS212
						60 Mins	-	SFS2107	57dB	SFS213
						60 Mins	-	SFS2108	51dB	SFS214
	2 x 15mm	150mm	5.9m	Severe	Gyproc Knauf Siniat	-	-	-	56dB	SFS221
						-	-	-	54dB	SFS222
						-	-	-	55dB	SFS223

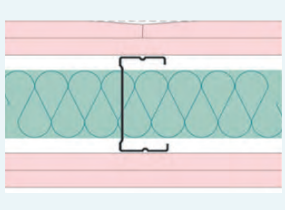
## 90mm C Stud Double Layer Fire Board Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	140mm	5.7m	Severe	Gyproc Knauf Siniat	120 Mins	-	SFS2103	-	-
						120 Mins	-	SFS2106	-	-
						120 Mins	-	SFS2110	-	-
	2 x 15mm	150mm	5.9m	Severe	Gyproc Knauf Siniat	120 Mins	-	SFS2103	50dB	SFS374
						120 Mins	-	SFS2106	-	-
						120 Mins	-	SFS2110	-	-

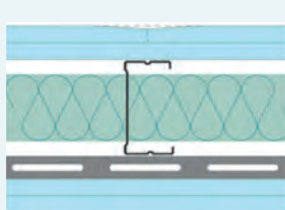
## 90mm C Stud Double Layer Fire Board with 25mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	140mm	5.7m	Severe	Gyproc	120 Mins	-	SFS2103	-	-
					Knauf	120 Mins	-	SFS2106	-	-
					Siniat	120 Mins	-	SFS2110	-	-
	2 x 15mm	150mm	5.9m	Severe	Gyproc	120 Mins	-	SFS2103	55dB	SFS375
					Knauf	120 Mins	-	SFS2106	-	-
					Siniat	120 Mins	-	SFS2110	-	-

## 90mm C Stud Double Layer Fire Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	140mm	5.7m	Severe	Gyproc	120 Mins	-	SFS2103	-	-
					Knauf	120 Mins	-	SFS2106	-	-
					Siniat	120 Mins	-	SFS2110	-	-
	2 x 15mm	150mm	5.9m	Severe	Gyproc	120 Mins	-	SFS2103	55dB	SFS376
					Knauf	120 Mins	-	SFS2106	53dB	SFS086
					Siniat	120 Mins	-	SFS2110	-	-

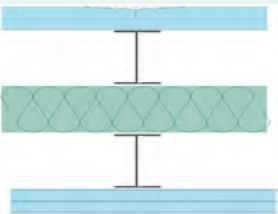
## 90mm C Stud Double Layer Acoustic Board with 50mm Insulation & Resilient Bar Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2 x 12.5mm	157mm	5.7m	Severe	Gyproc	60 Mins	-	SFS2119	59dB	SFS215
					Knauf	-	-	-	-	-
					Siniat	-	-	-	60dB	-
	2 x 15mm	167mm	5.7m	Severe	Gyproc	90 Mins	-	SFS2121	-	-
					Knauf	-	-	-	61dB	SFS364
					Siniat	-	-	-	60dB	SFS225

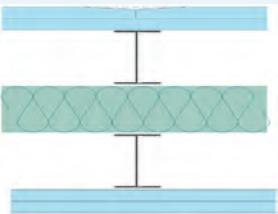


## TWIN I STUD PARTITIONING SYSTEM

### 2 x 50I50 Twin Wall Double Layer Acoustic Board with 50mm Insulation Performance Guide

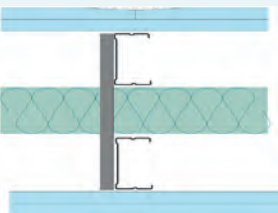
	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2x 15mm	200mm	2.8m	Severe	Gyproc	120 Mins	-	SFS2161	65dB	SFS378

### 2 x 60I70 Twin Wall Double Layer Acoustic Board with 100mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2x 15mm	250mm	3.9m	Severe	Gyproc	120 Mins	-	SFS2146	65dB	SFS378
		250mm			Knauf Siniat	120 Mins 90 Mins	- -	SFS2160 SFS2159	64dB 65dB	SFS308 SFS306

## TWIN C STUD PARTITIONING SYSTEM

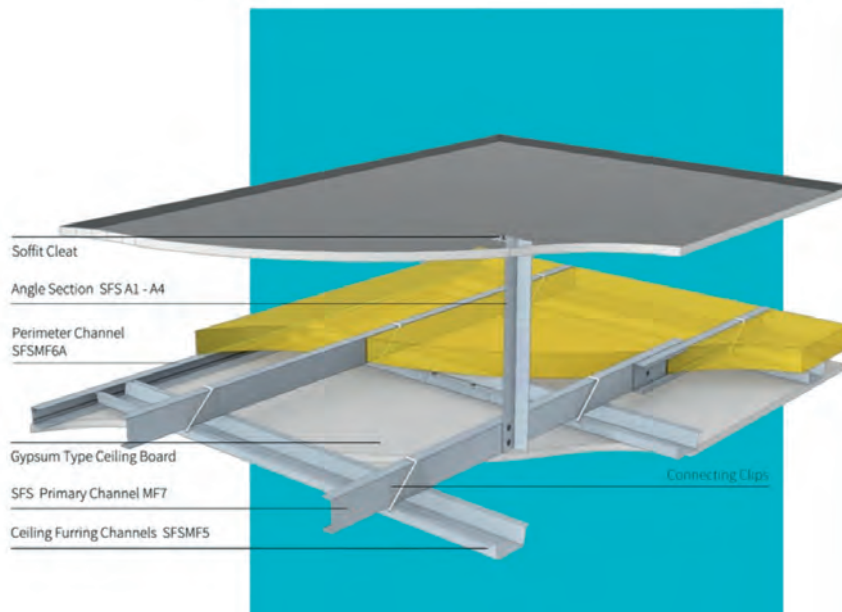
### 2 x 50mm C Stud Double Layer Acoustic Board with 50mm Insulation Performance Guide

	Board Width	Partition Width	Max Height	Duty Rating	Board Manufacturer	Fire Rating	Fire Test Ref BS476-22	Fire Test Ref EN1364-1	Acoustic Rating	Acoustic Test Rating
	2x 15mm	300mm	7.5m	Severe	Gyproc	120 Mins	-	SFS2101	62dB	SFS268

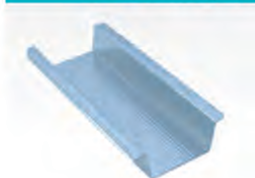
# SFS MF CEILING SYSTEM

## BACKGROUND

The SFS MF Suspended Ceiling System is suited for commercial & domestic applications where it is necessary the ceiling height may vary to run services such as ducting or lighting. The SFS MF Ceiling System can be used below Concrete Soffits, Metal Deck Systems or Timber Joists.



Metal Furring System	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
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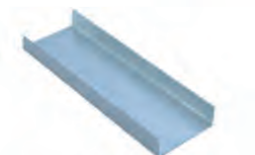


SFSMF5	SFS Ceiling Channel 3600	0.50	50	200
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Custom Manufactured Sizes Available on Request

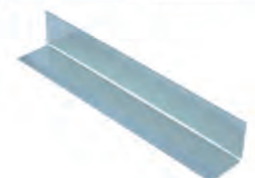


SFSMF6A	SFS perimeter Channel 3600	0.50	10	300
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SFSMF7	SFS Primary Channel 3600	0.70	10	200
		0.90	10	200

Angle Sections	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
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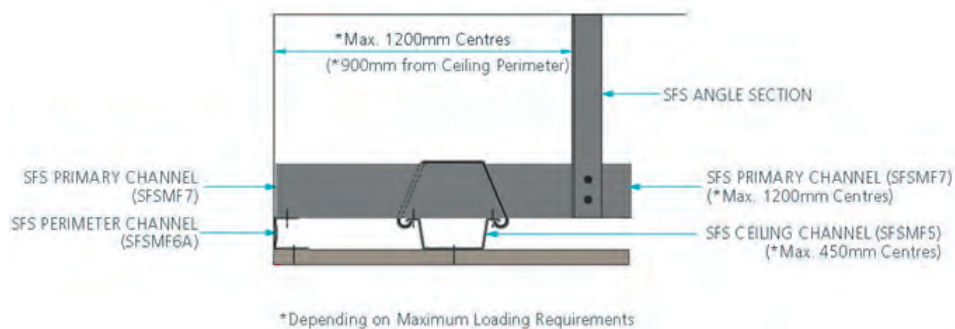


SFSA1	25 x 25 / 3000, 3600	0.50	20	100
SFSA2	48 x 48 / 3000, 3600	0.50	20	100
SFSA3	25 x 25 / 3000, 3600	0.70	20	100
SFSA4	48 x 48 / 3000, 3600	0.70	20	100

Custom Manufactured Sizes Available on Request

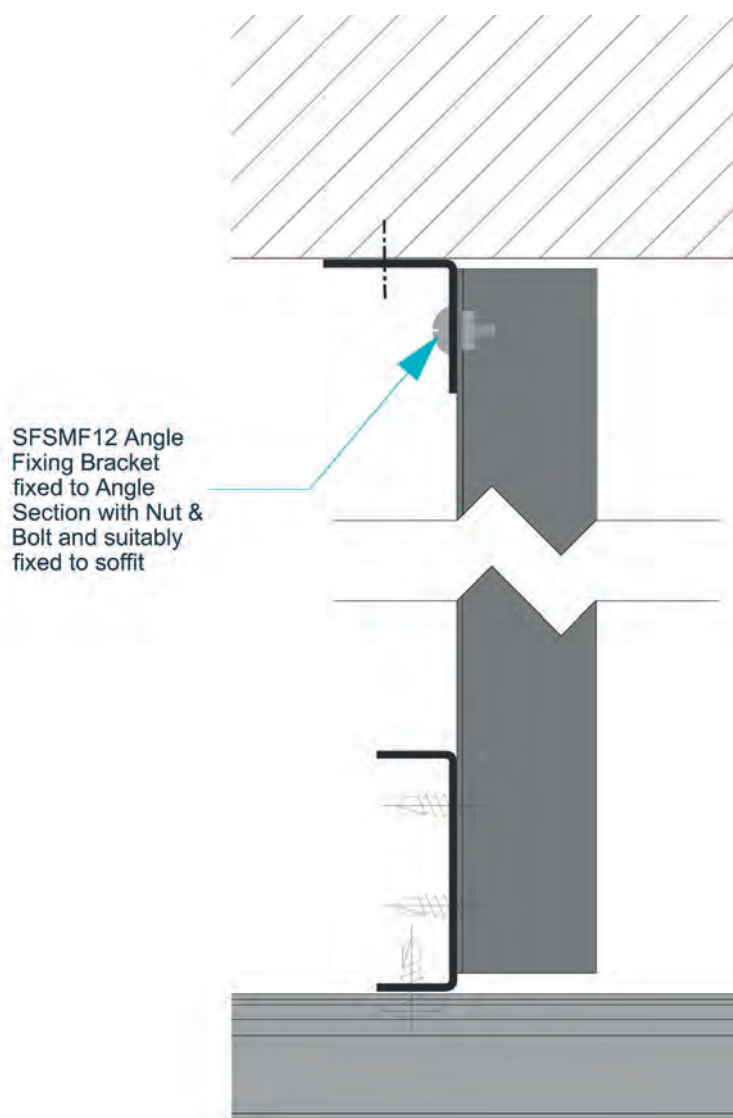
## BENEFITS

- Allows easy installation of services in the void above the ceiling.
- Suitable for fixing all types of plasterboard, creating a surface suitable for decorative finishes.
- It is a fast and clean system to erect.
- Improved levels of thermal and acoustic insulation can be achieved.
- Improved acoustic performance can be achieved by using SFS Acoustic Hangers.
- Easy to cut to size using tin snips.



## FRAME INSTALLATION

- SFS Perimeter Channel (SFSMF6A) should be fixed to the structure at the perimeter of the ceiling run and around any columns / obstructions within the ceiling, fixed at 600mm centres using appropriate fixings. (Allow for board depth when positioning channel)
- SFS Angle Sections should be positioned at a maximum of 1200mm centres and fixed to the structure using SFS Angle fixing brackets (SFSMF12) and appropriate fixings. Please note SFS Angle Sections should be a maximum of 900mm from the ceiling perimeter.
- SFS Primary Channel (SFSMF7) to be positioned at a maximum of 1200mm centres and fixed to the Angle Sections at using appropriate fixings. Please note centres based on minimum loading requirements and should be confirmed by the designer (Max 1200mm). Primary Channels must overlap by a minimum of 150mm at joints.
- SFS Ceiling Channel (SFSMF5) should be positioned into the SFS Perimeter Channel at a maximum of 450mm centres and fixed at right angles to the SFS Primary Channel. Ceiling Channels must overlap by a minimum of 150mm at joints.
- SFS Furring Clips can be used for positioning purposes however screw fixing of Ceiling Channel to Primary Channel is recommended. (See Section on Ceiling Lift)



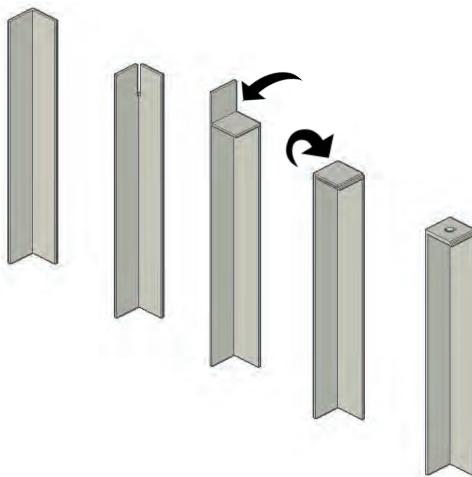
## SFS MF IMPOSED LOADS

Please reference table below for guidance on MF support capability of the following imposed loads:-

SFS MF Imposed Loads Table				
Suspension Point Centres	SFS MF7 Primary Channel Centres	SFS MF5 Ceiling Channel Centres	Maximum Load Using SF5M12 Fixing Bracket	Maximum Load With SF5A1 Angle Fixed Directly To Soffit (Single Layer Systems Only)
1200mm	1200mm	450mm	*30kgs per Sq/m	*22kgs per Sq/m
1200mm	900mm	450mm	*40kgs per Sq/m	*30kgs per Sq/m
1200mm	600mm	450mm	*60kgs per Sq/m	*45kgs per Sq/m

\*Maximum Load includes weight of board, insulation and skimcoat plaster only

- SFS Angle Sections may be used to fix directly to the soffit for Single boarding solutions only. The angle must be snipped at one end with each side overlapped inwards on top of each other as illustrated below:-



Please note that this method is for Single Layer Boarding Systems only and results in a reduction of maximum loading capacity of 25% as documented in the SFS MF Imposed Loads Table

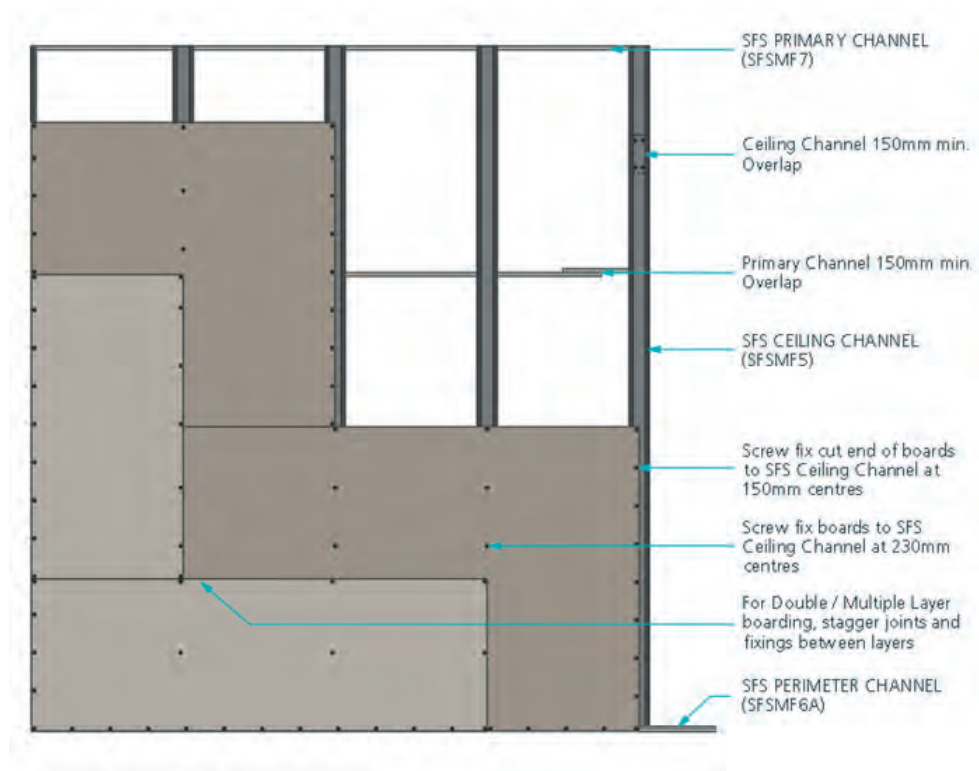
## PLASTERBOARD INSTALLATION

### SINGLE LAYER PLASTERBOARD

Bound edges must be fixed at right angles to the SFS Ceiling Channel with joints lightly butted together. All boards should be staggered by half a board length, joining at the centre of the Ceiling Channel. The plasterboard is screw-fixed to the Ceiling Channels as per layout above.

### DOUBLE / MULTIPLE LAYER PLASTERBOARD

All board joints must be staggered between layers whilst also ensuring that joints between boards occur at the centre of the SFS Ceiling Channel. Each layer should be screw fixed directly to the Ceiling and Perimeter Channels, avoiding the screws in the layer(s) underneath.



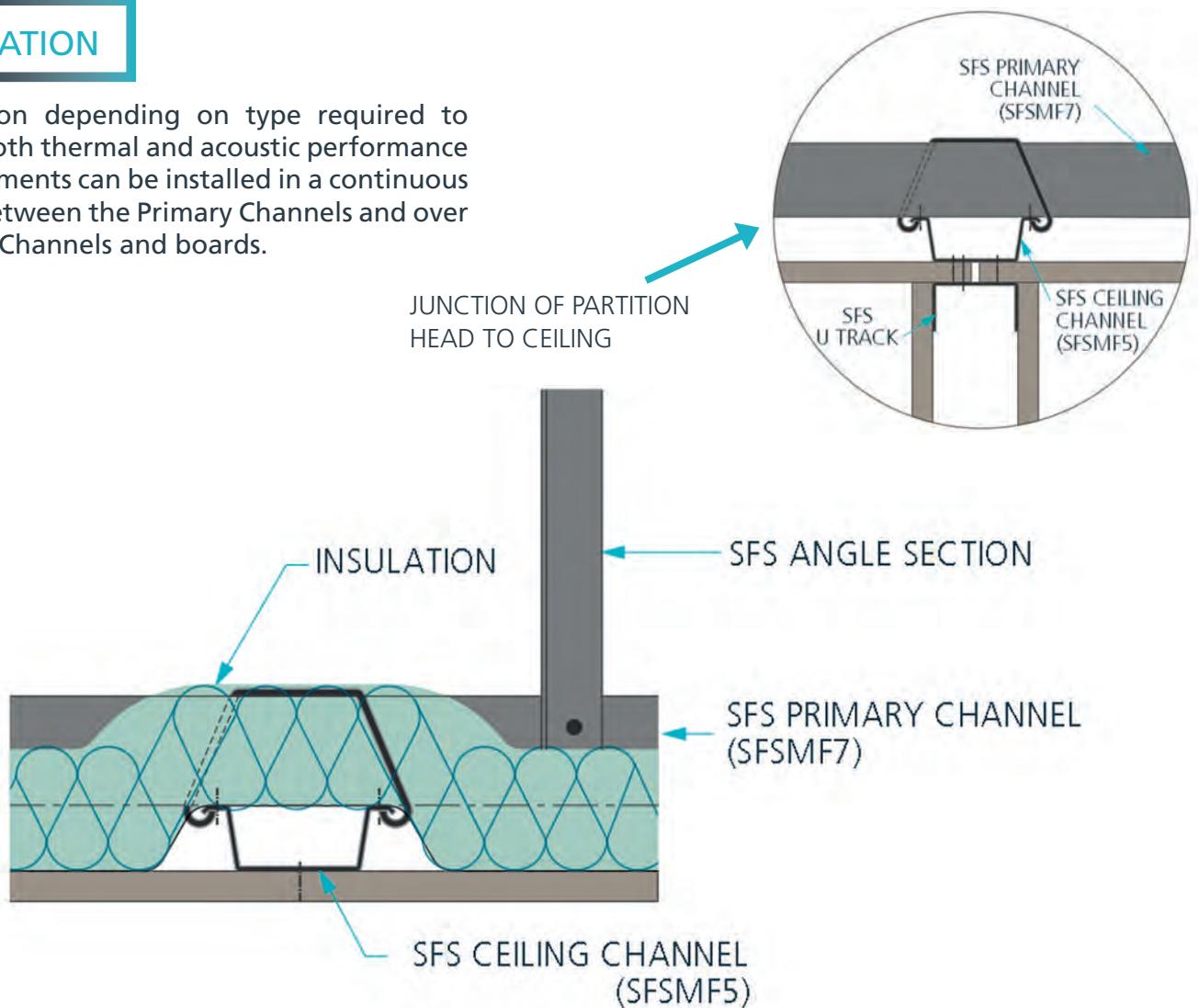
## CEILING LIFT

With greater airtightness requirements in buildings causing varying air pressures, ceiling lift can be experienced.

As a result, the designer should incorporate a pressure release system where possible. Where sufficient pressure relief cannot be designed in, it is recommended to screw-fix the SFS Ceiling Channel to the SFS Primary channel using two screws per connection

## INSULATION

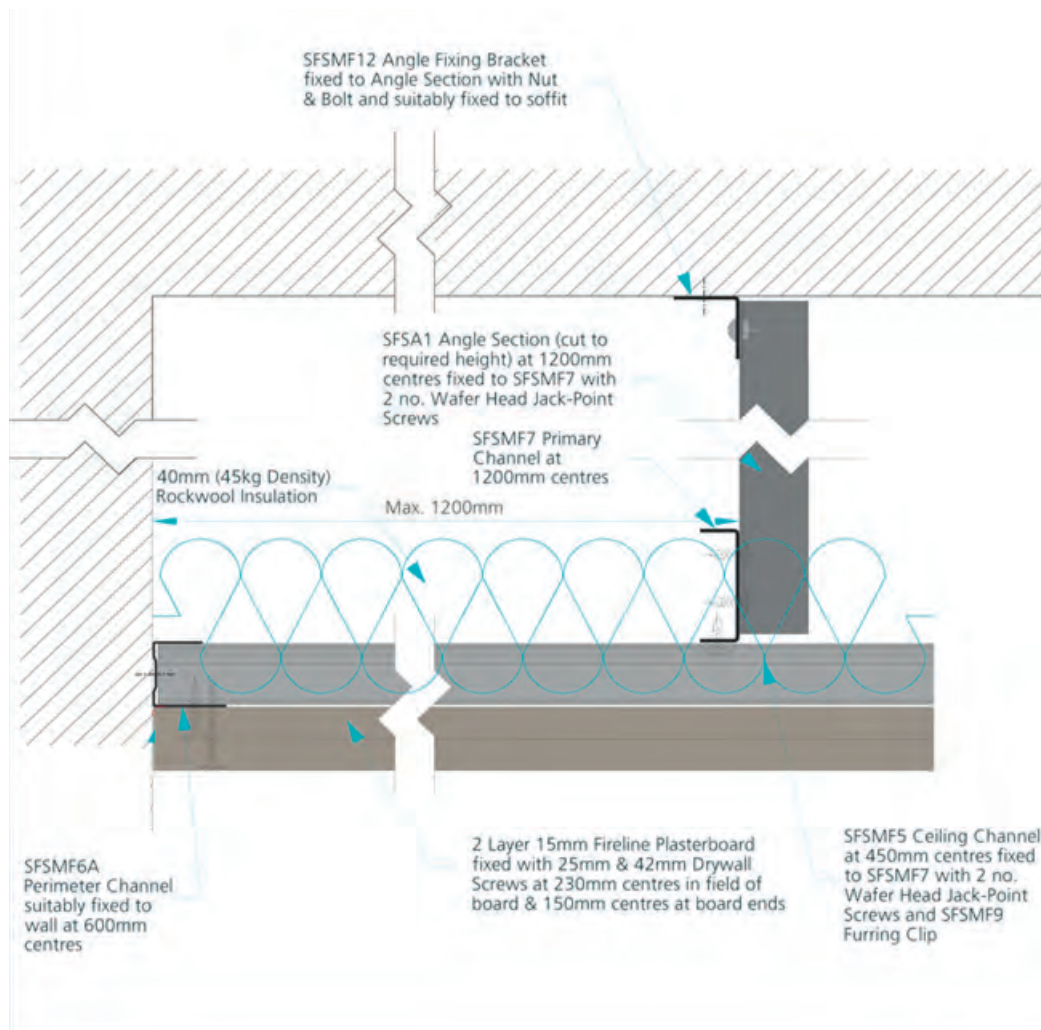
Insulation depending on type required to meet both thermal and acoustic performance requirements can be installed in a continuous layer between the Primary Channels and over Ceiling Channels and boards.

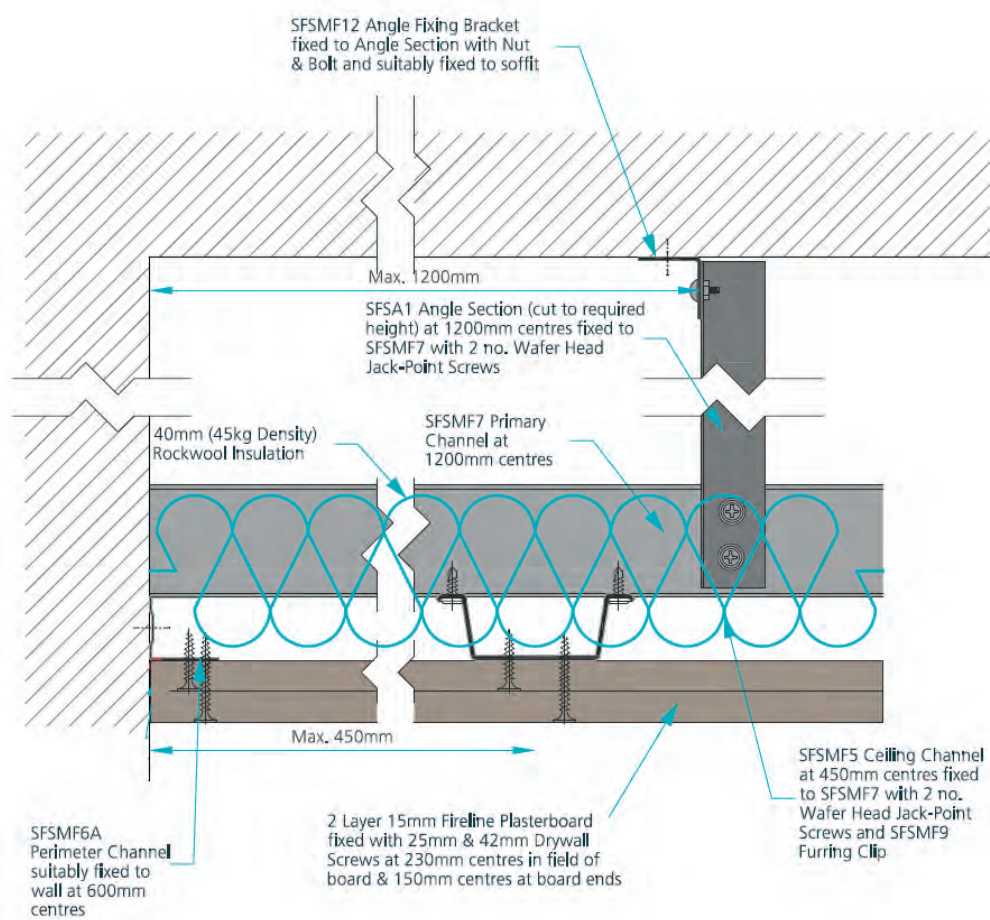


## FIRE RESISTANCE

SFS MF Ceiling Systems have been independently tested to BS476 requirements. A 60 minute fire rating has been obtained between the ceiling and the void based on the build-up illustrated in the drawings below:-

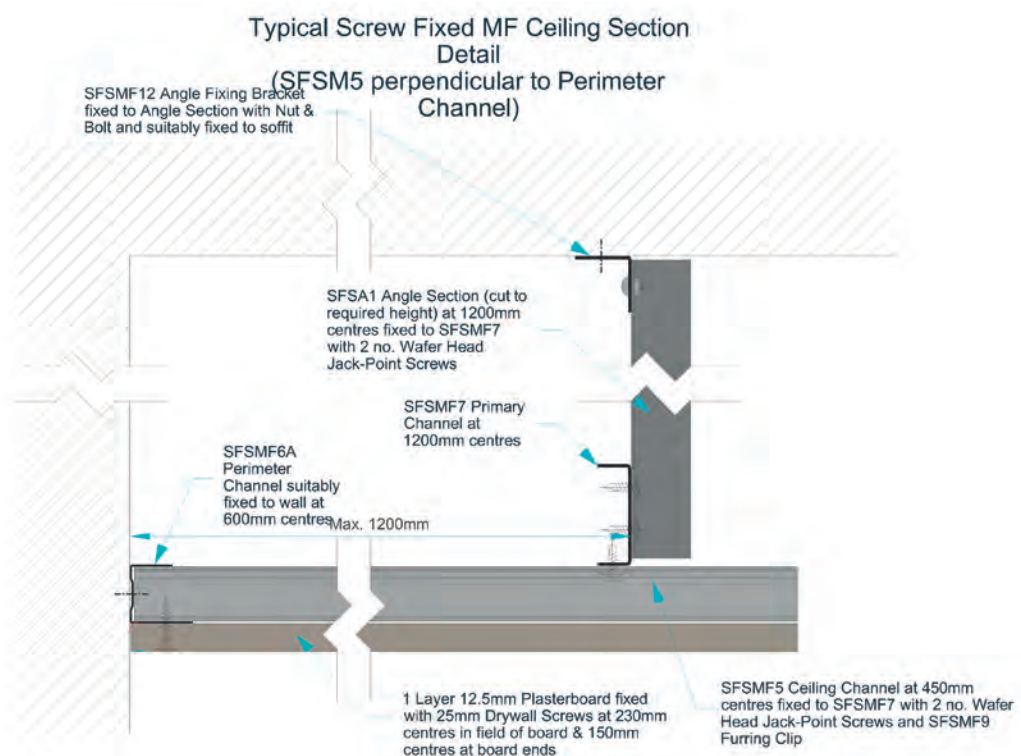
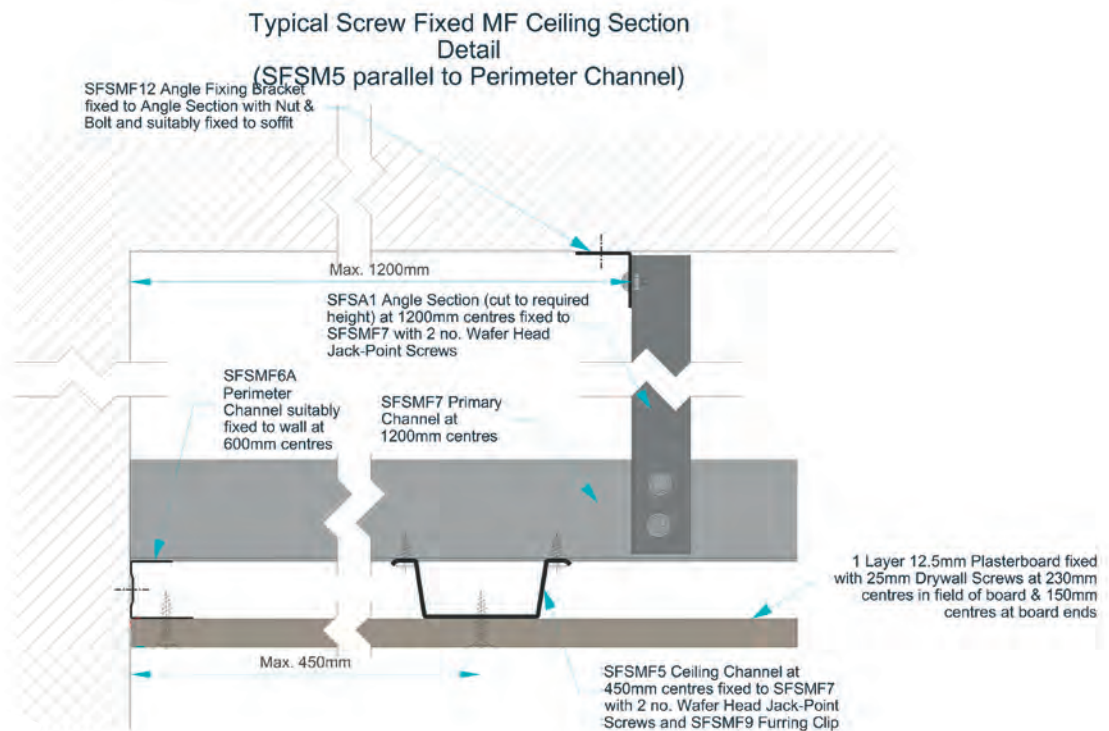
Please contact SFS for the associated Fire Report)



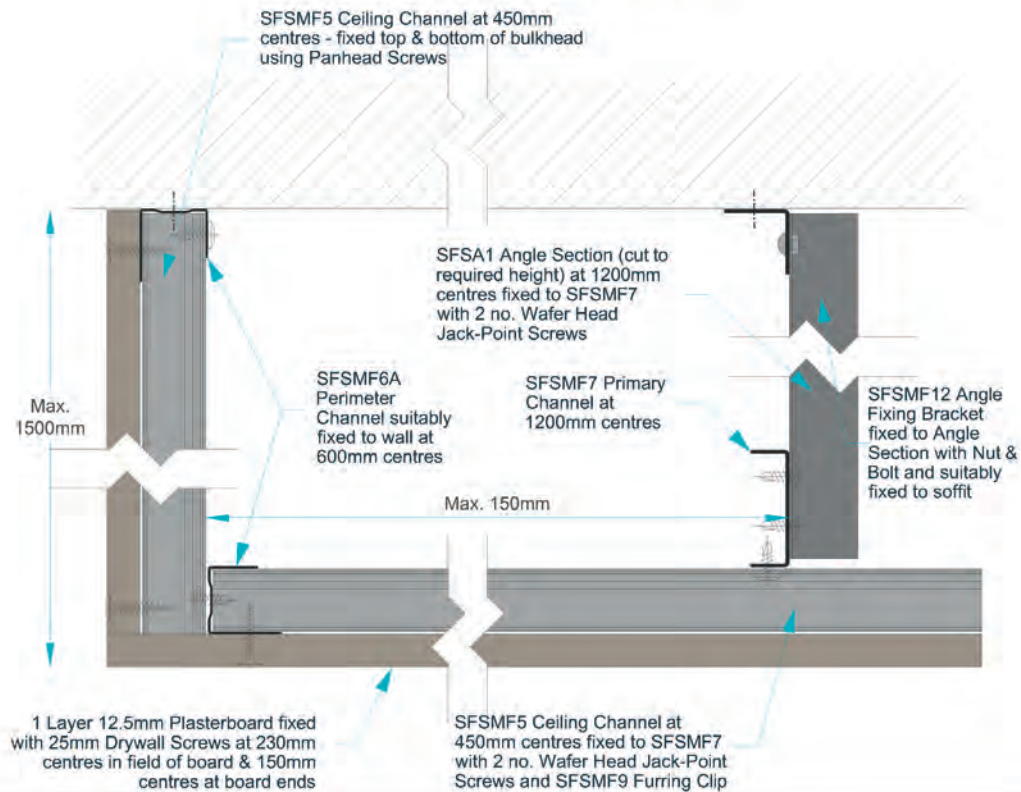


## STANDARD MF CEILING DETAILS

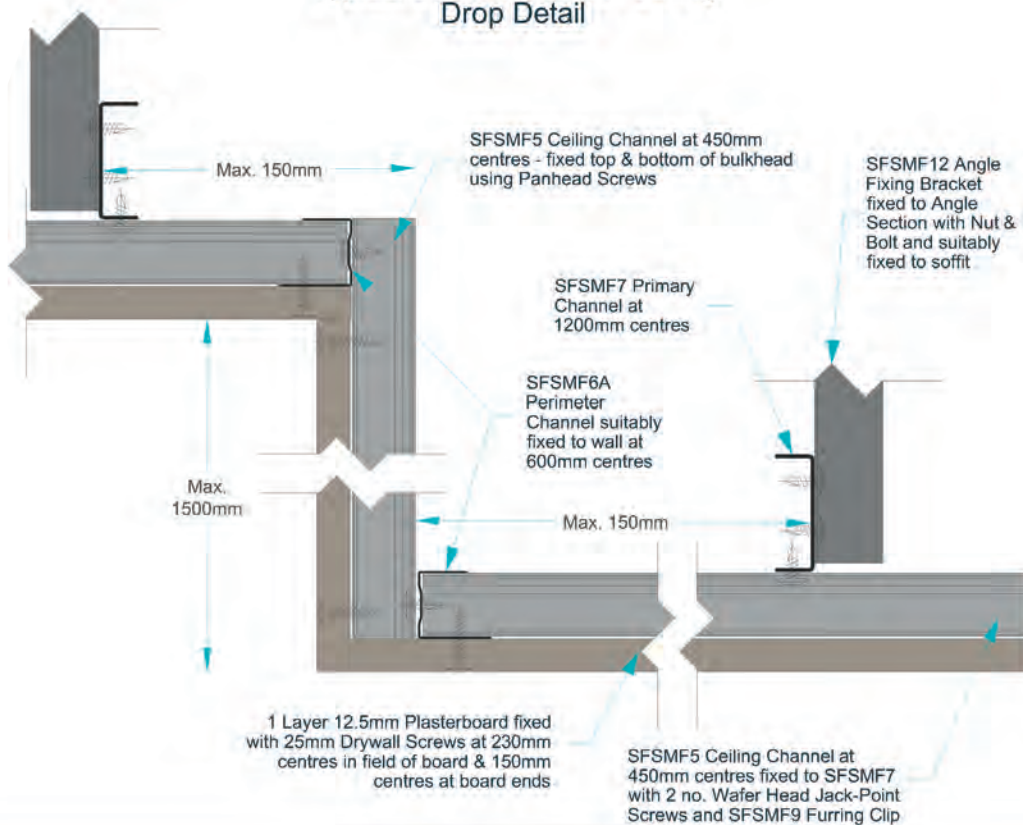
All standard details are available for download from [www.steelformedsections.ie](http://www.steelformedsections.ie)



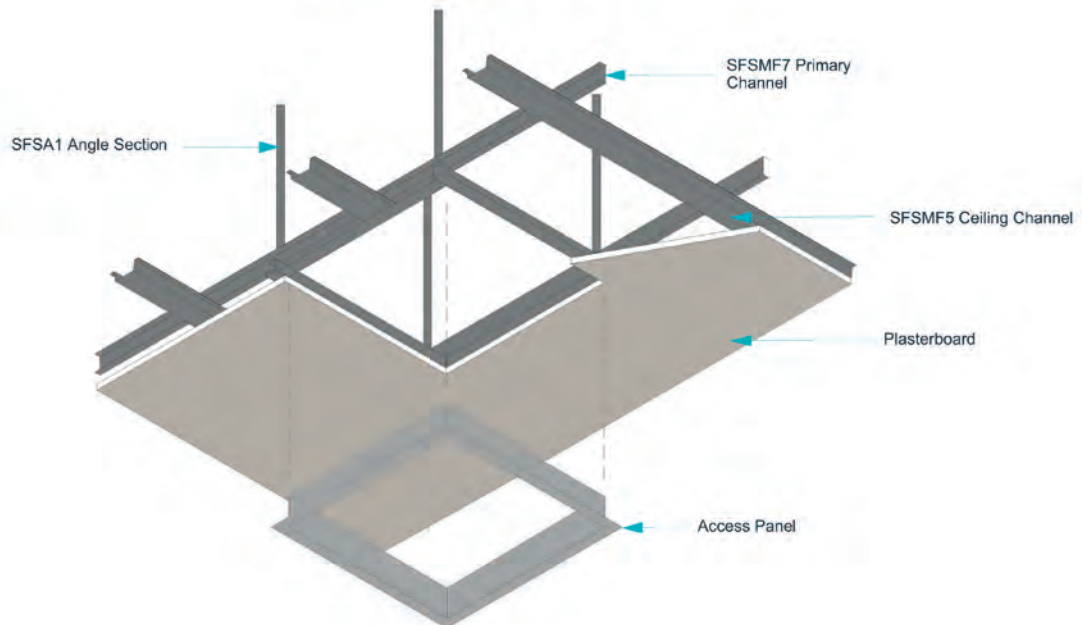
## Typical Screw Fixed MF Ceiling Drop Detail



## Typical Screw Fixed MF Ceiling Drop Detail

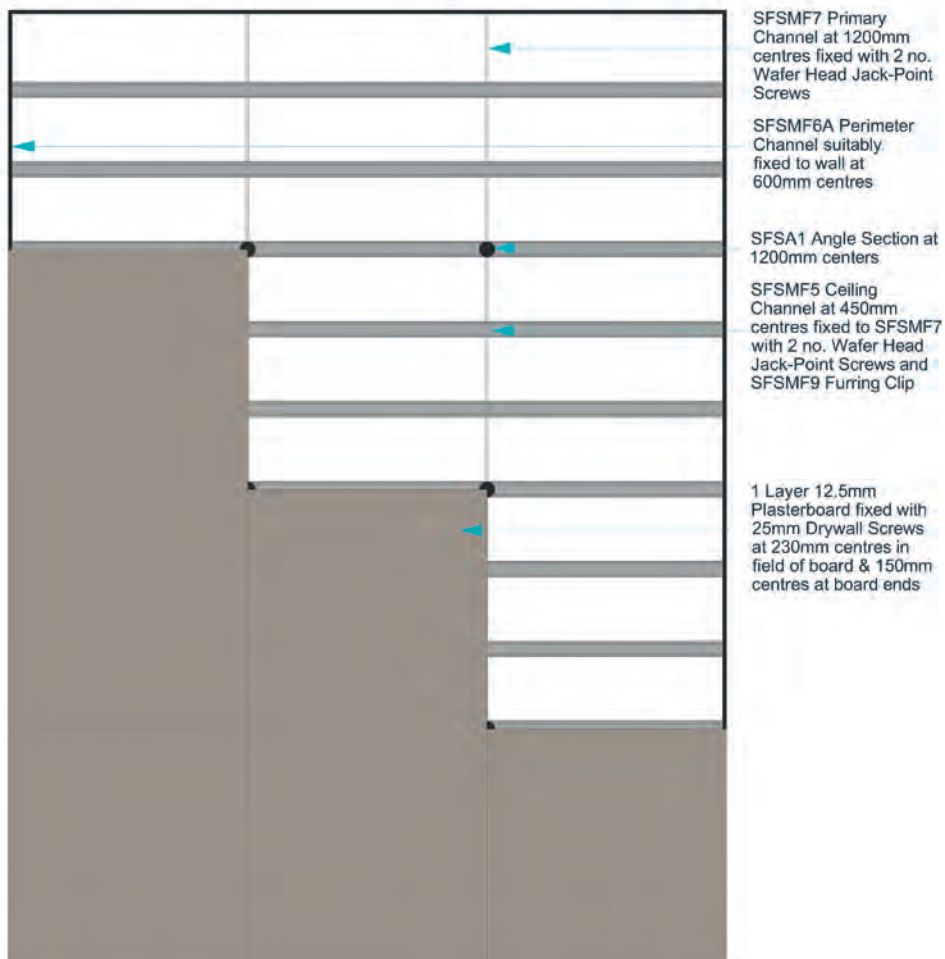


Typical MF Ceiling Access Panel Detail



**Please Note :** This is a standard drawing detail detailing a typical application for this system. It is therefore limited in it's capacity to convey all the information, details & specification necessary to comply with Building Regulations or to achieve specific requirements. Such details should always be confirmed by the designer/architect.

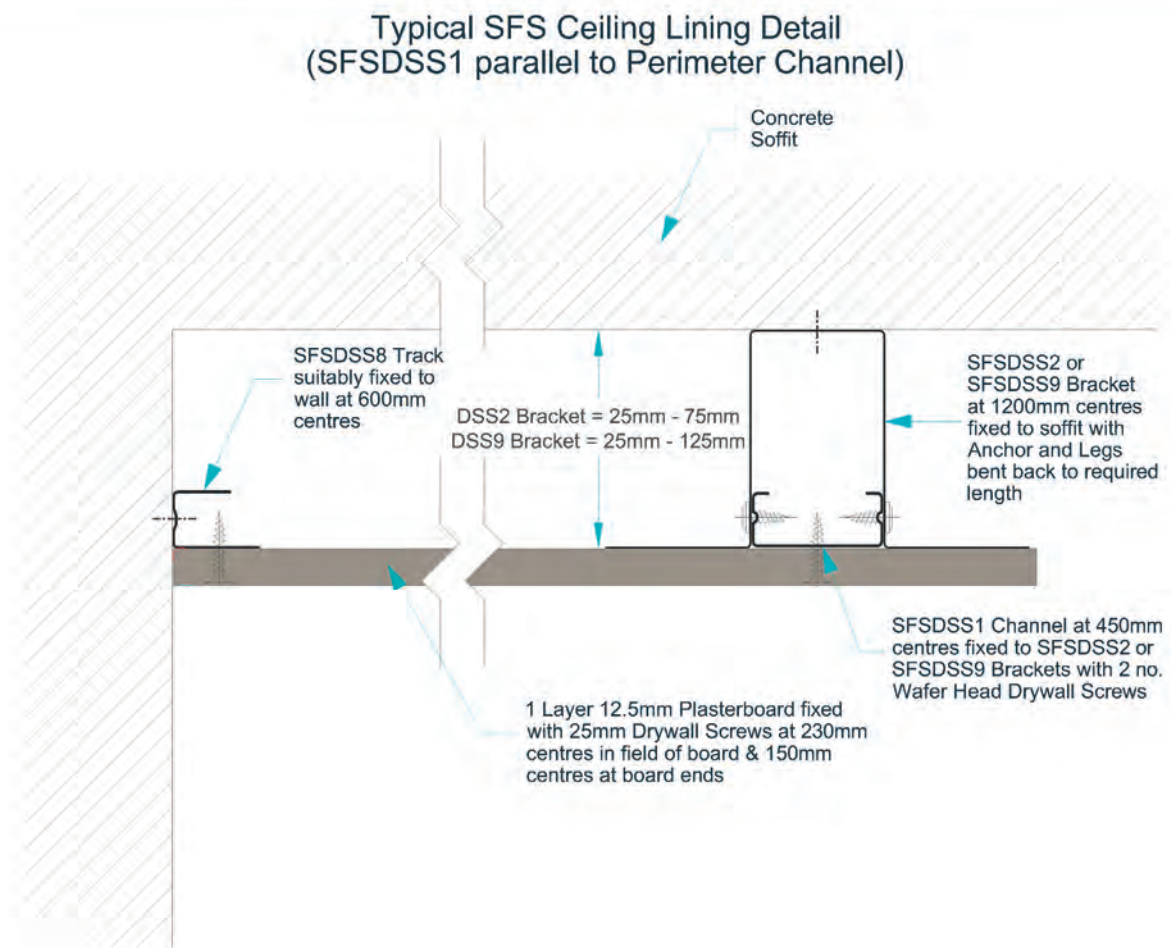
Typical MF Ceiling Plan



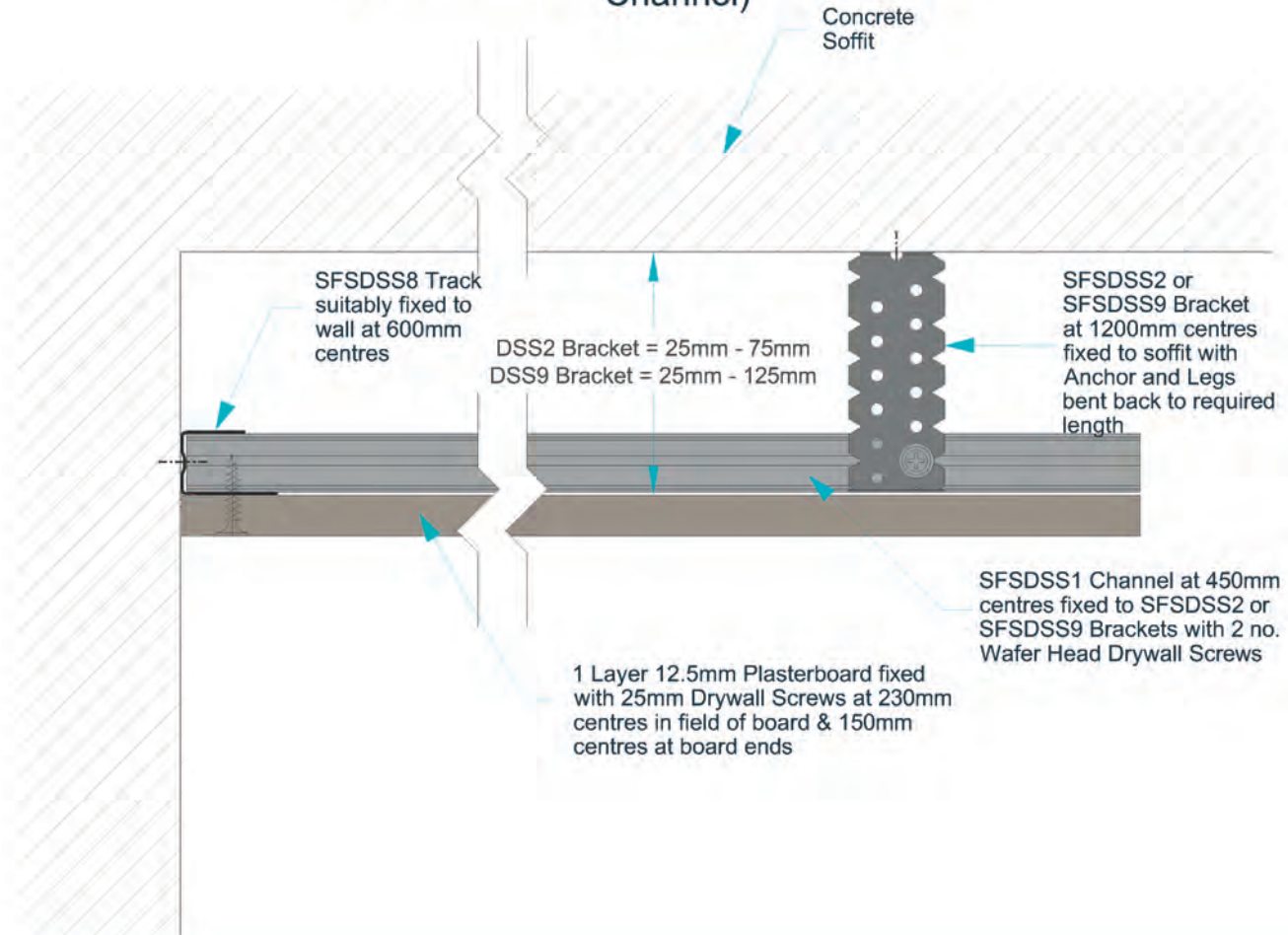
## SFS CEILING LINING SYSTEMS

The SFS Ceiling Lining System is a quick, simple and cost-effective method when working with concrete soffits creating a true flat ceiling.

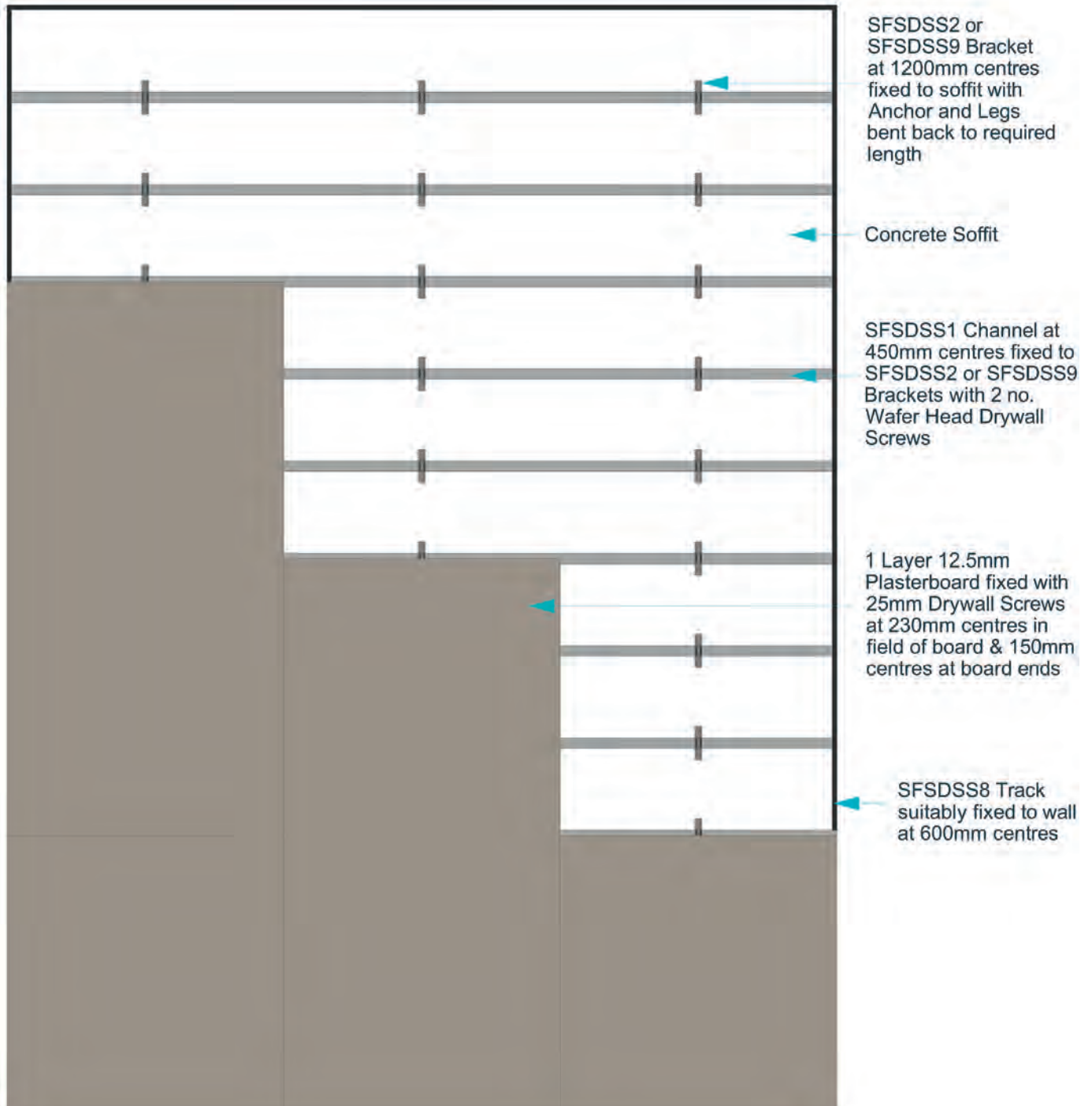
Plasterboard is fixed directly to the SFSDSS1 Liner Stud (positioned at 450mm max centres) with each Liner Stud connected to the concrete soffit using either the SFSDSS2 (Small) or SFSDSS9 (Large) brackets positioned at 1200mm centres. A void from 25mm to 125mm can be created for services or insulation for improved thermal and acoustic performances depending on the fixing bracket used.



Typical SFS Ceiling Lining Detail  
(SFSDSS1 Perpendicular to Perimeter Channel)

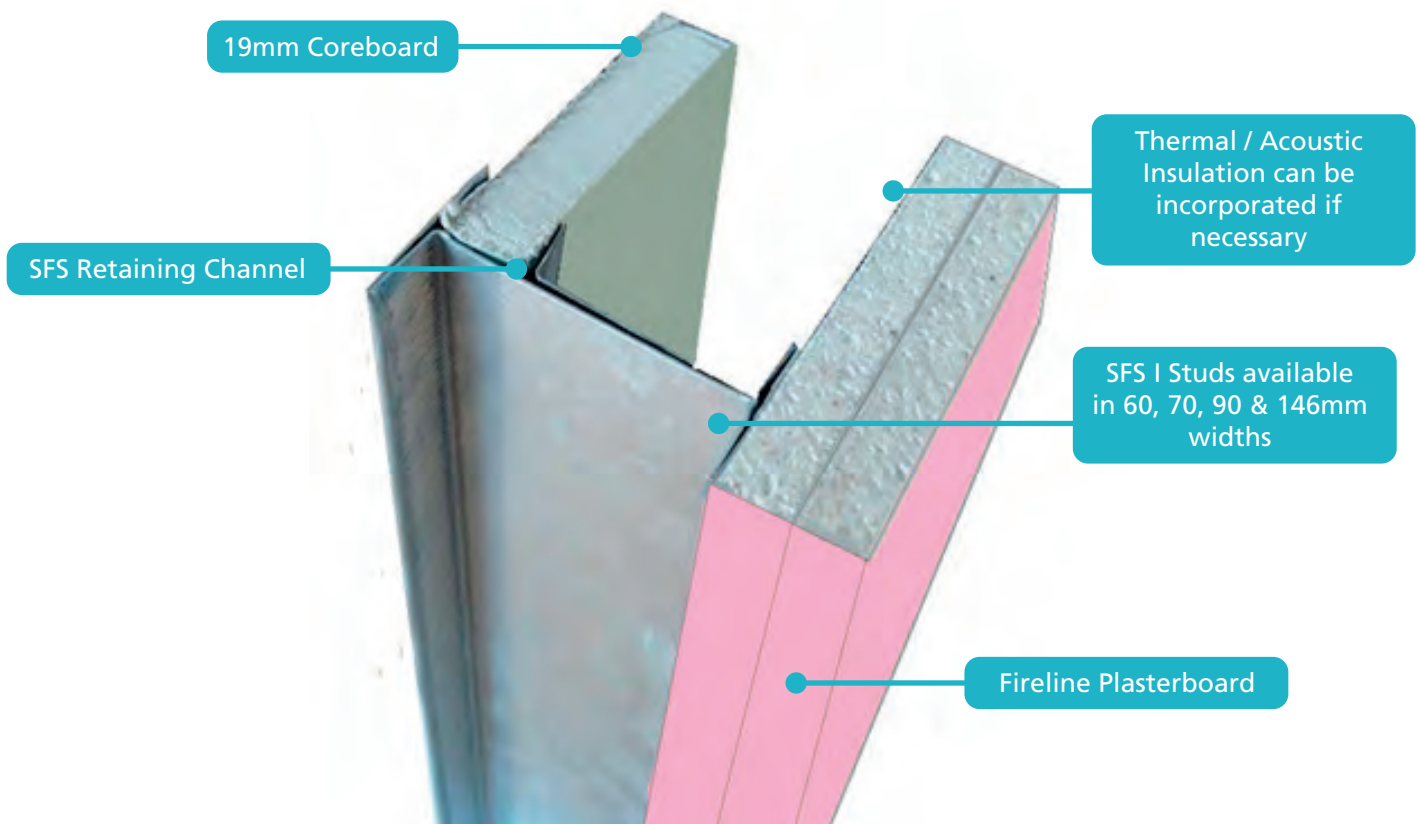


## Typical Ceiling Liner Plan




## BACKGROUND

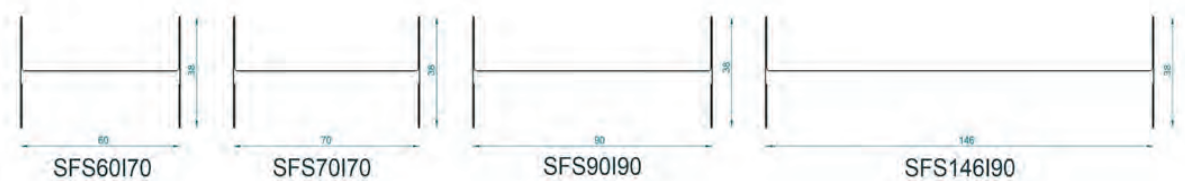
The SFS ShaftWall system is a structure suitable for use in areas with confined spaces and have only limited access to one side, providing a fire resistant structure that is lightweight. There are a wide range of partition thicknesses available for heights up to 7.9m. The system is very economical and can be erected very easily. An A1 variant is available by replacing board with Glasroc product.

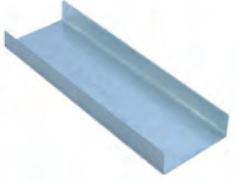


## BENEFITS


- The metal system can be applied to areas where access is restricted to one side
- The system can provide up to 120 minutes of fire performance
- High level of acoustic performance results achieved
- Easy assembly allows for faster installation times on site

I Studs	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFS60I70	2700, 3000, 3600, 4200	0.70	10	100
	SFS70I70	3000, 3600, 4200	0.70	10	100
	SFS90I90	3600, 4200	0.90	5	100
	SFS146I90	4200, 5000, 6000	0.90	5	100
custom manufactured sizes available on request					




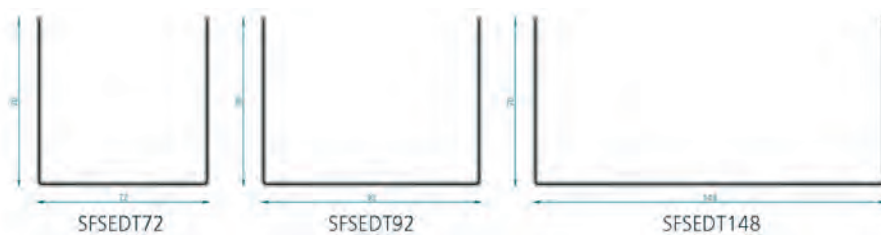
U Track STD (30)	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFST52	3000, 3600	0.50	10	100
	SFST72	3000, 3600	0.50	10	100
	SFST92	3000, 3600	0.50	10	100
	SFST148	3000, 3600	0.50	10	50
custom manufactured sizes available on request					

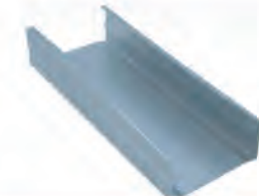


U TRACK DEEP (50)	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFSDT52	3000, 3600	0.60	10	100
	SFSDT72	3000, 3600	0.60	10	100
	SFSDT92	3000, 3600	0.60	10	100
	SFSDT148	3000, 3600	0.60	10	50
custom manufactured sizes available on request					

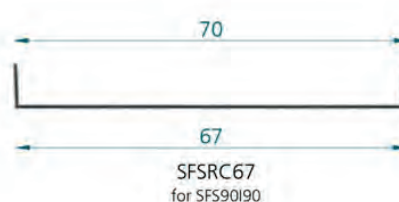
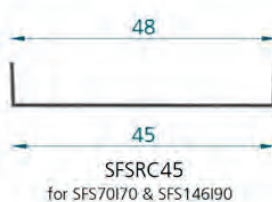
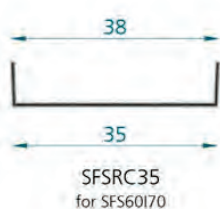


U TRACK EXTRA DEEP (70)	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFSED72	3000, 3600	0.70	10	50
	SFSED92	3000, 3600	0.70	10	50
	SFSED148	3000, 3600	0.70	10	50
custom manufactured sizes available on request					



RETAINING CHANNEL	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFSRC35	2400	0.50	20	100
	SFSRC45	2400	0.50	20	100
	SFSRC67	2400	0.50	20	100

custom manufactured sizes available on request



## INSTALLATION GUIDELINES

### FIXING OF FLOOR AND CEILING TRACKS

All tracks should be fixed to the floor and ceiling in the middle of the profile at 600mm centres with suitable fixings. For 92mm and 148mm wide profiles, we recommend two rows of suitable fixings at 600mm centres staggered by 300mm with each fixing 25mm in from the flange.

### FIXING OF BOARDS

#### SHAFT SIDE COREBOARD LAYER

19mm Coreboard should be held within the stud web using the specified SFS retaining channel. The retaining channel is then screw fixed to the stud web at 300mm vertical centres. A strip of coreboard and flat strap should be positioned behind all horizontal coreboard joints as detailed in page 75.

#### ROOM SIDE SINGLE LAYER BOARDING

Plasterboard should be fixed at 300mm maximum centres to the framework with the appropriate screw length. Joints should be staggered from one side of the partition to the other. Fixing centres should be maintained by using flat strap behind all horizontal board joints.

#### ROOM SIDE MULTI LAYER BOARDING

Inner layers can be fixed at 600mm centres but outer layers must be fixed at 300mm centres to the metal framework. The second layer should be positioned with all joints staggered in relation to the first layer assuming the studs are fixed at 600mm centres. Fixing centres should be maintained by using flat strap behind the outer most board for all horizontal board joints of the outer layer.

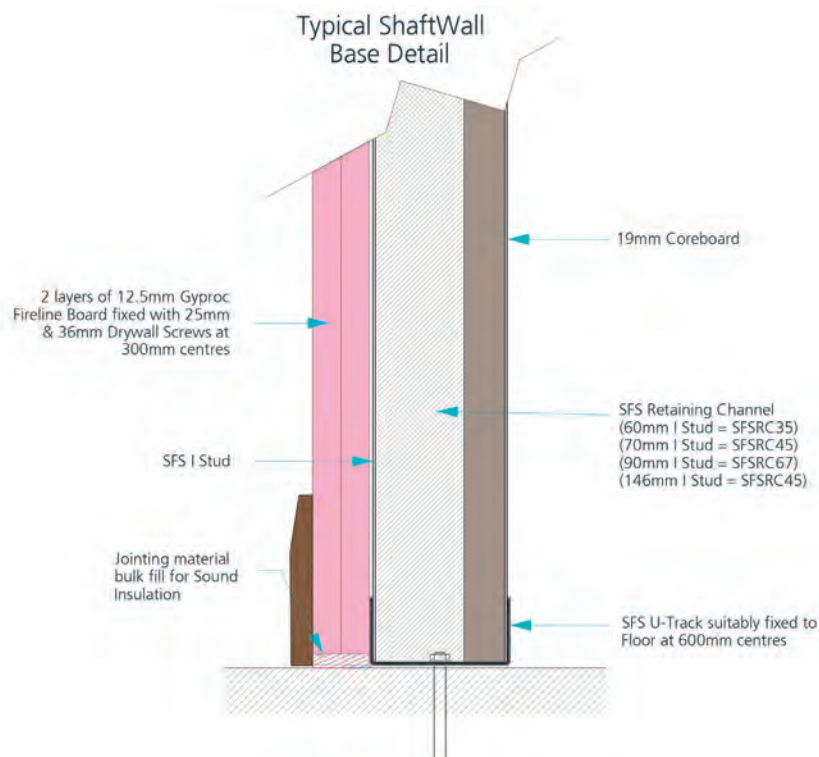
Please refer to table below for screw fixing lengths:-

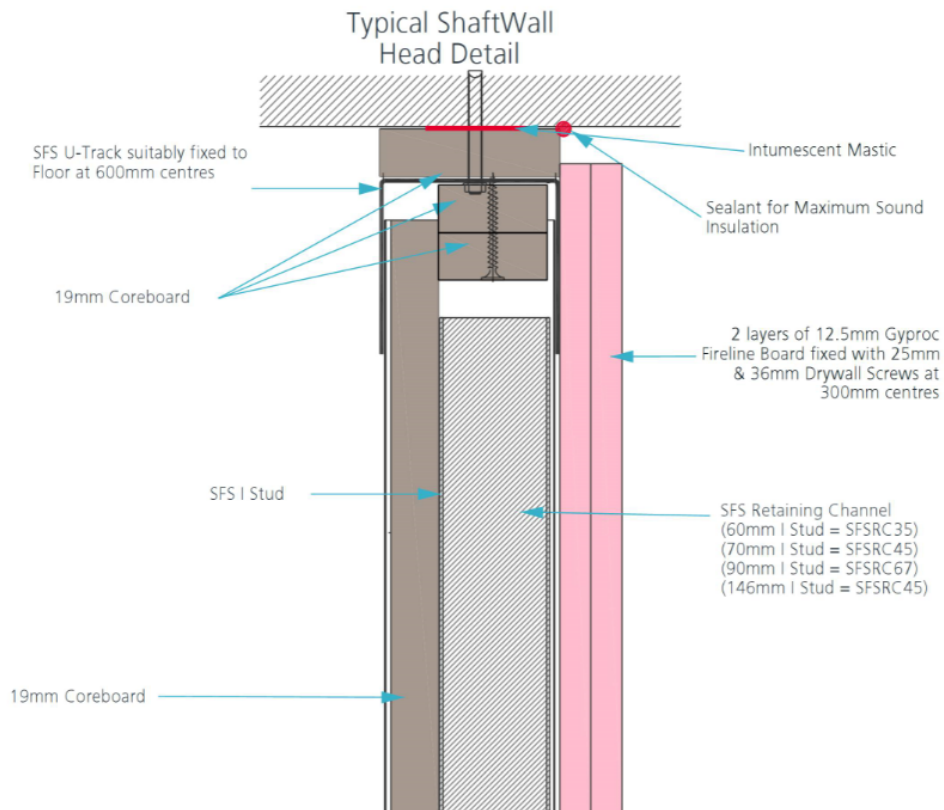
SCREW FIXING LENGTHS	
Board Type	Fixing Length
1 x 12.5mm	25mm
1 x 15mm	25mm
2 x 12.5mm	25mm + 36mm
2 x 15mm	25mm + 42mm
3 x 15mm	25mm + 42mm + 60mm

## SFS SHAFTWALL SYSTEMS

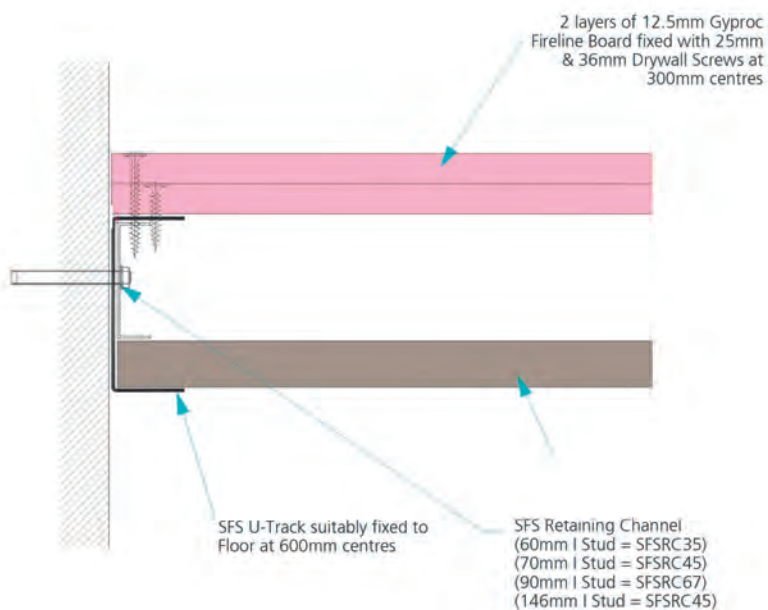
All standard details for 60mm 70mm, 90mm and 146mm SFS I Stud systems are available for download from [www.steelformedsections.ie](http://www.steelformedsections.ie)

SFS ShaftWall systems are constructed from SFS I Studs, typically boarded with 12.5mm & 15mm Fireline board, with a 19mm Coreboard inside the stud held into place with a SFS retaining Channel. This method of construction allows for fixing from one side in the ShaftWall with limited access situations. The SFS I Stud is fixed into an overall frame of either SFS Track in Standard, Deep or Extra Deep Specification.

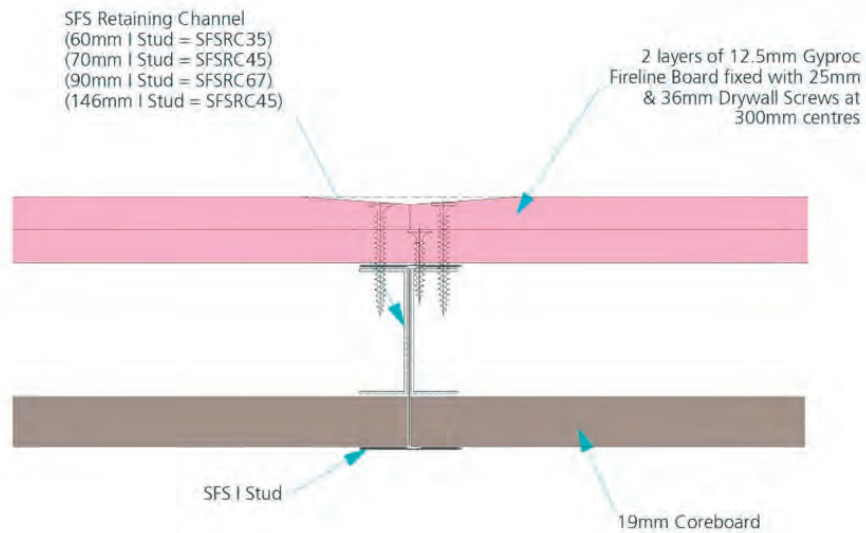




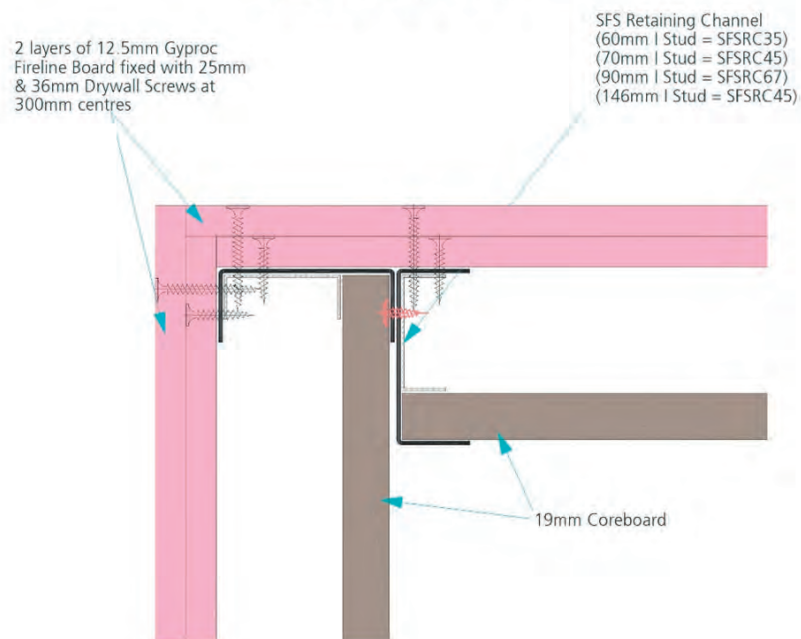
Typical ShaftWall Wall Abutment Detail



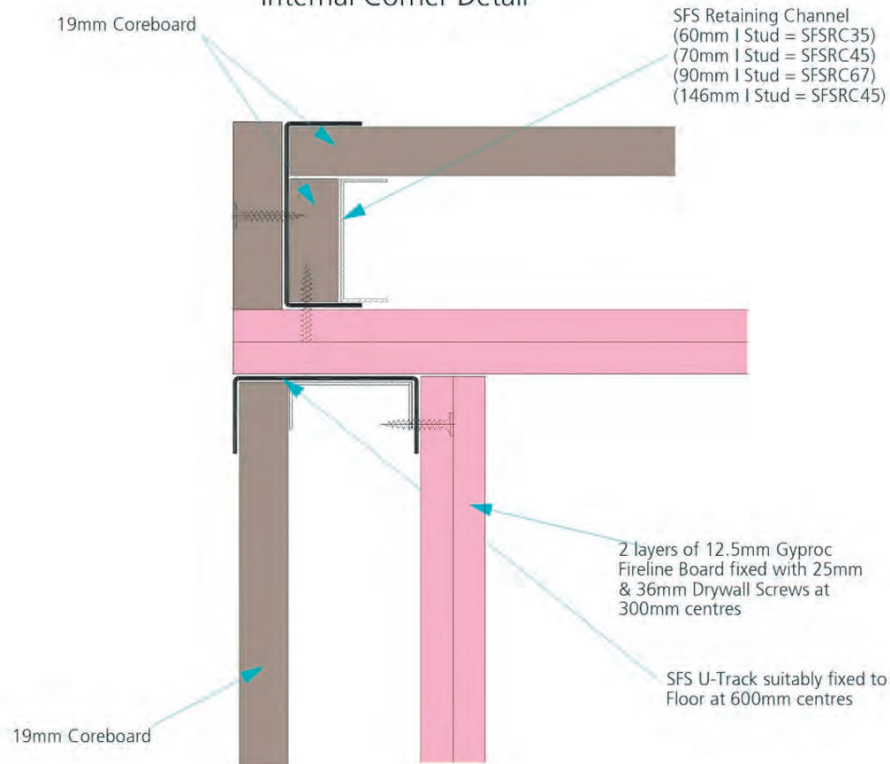
Typical ShaftWall  
Intermediate Stud Detail



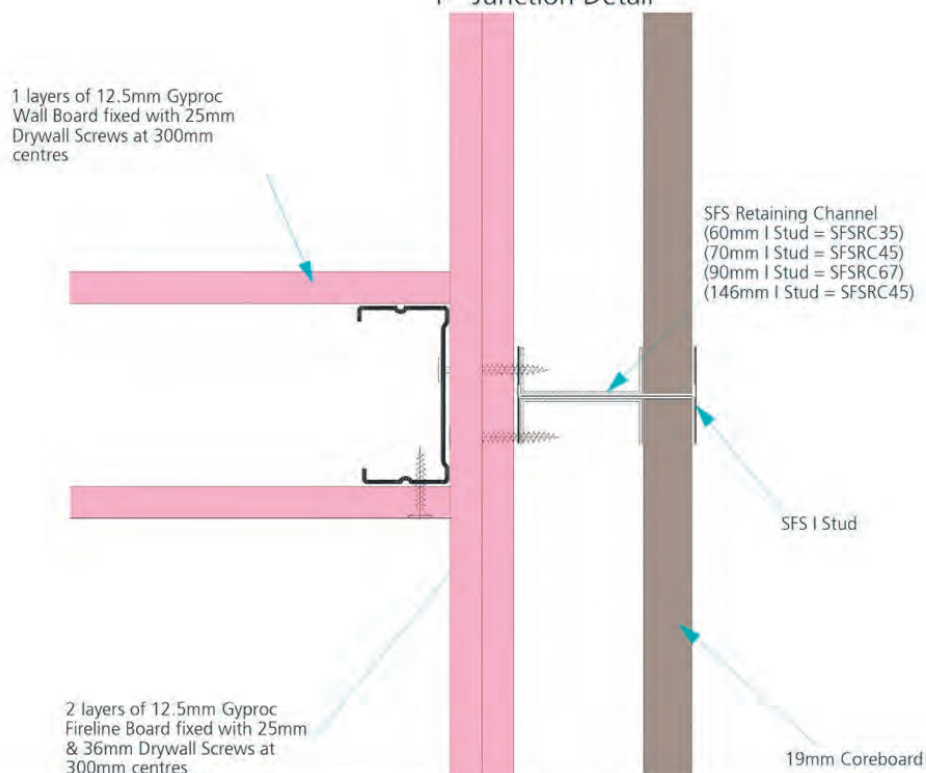
Typical ShaftWall  
External Corner Detail



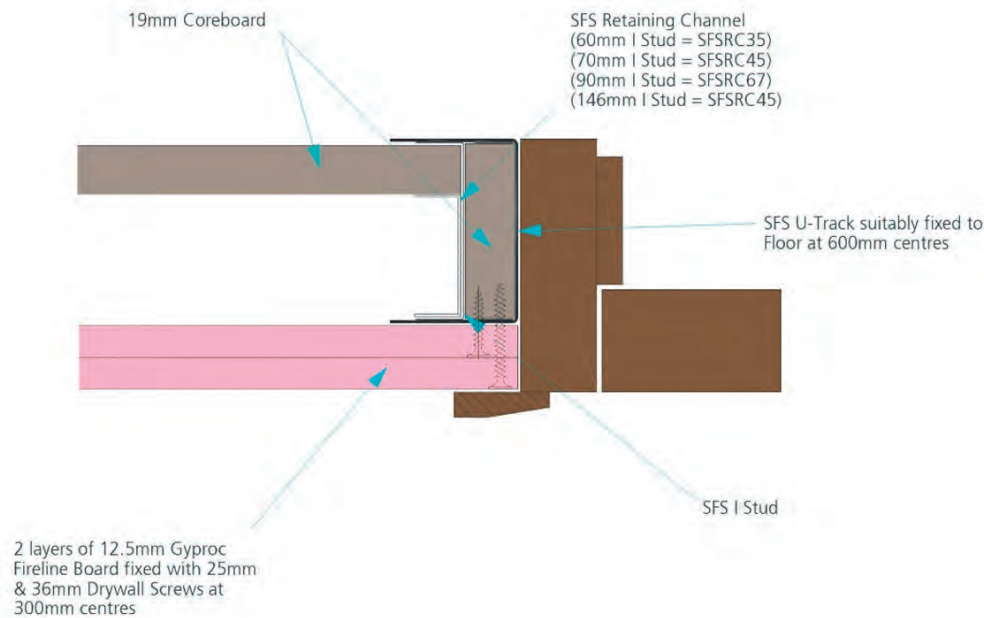
Typical ShaftWall  
Internal Corner Detail



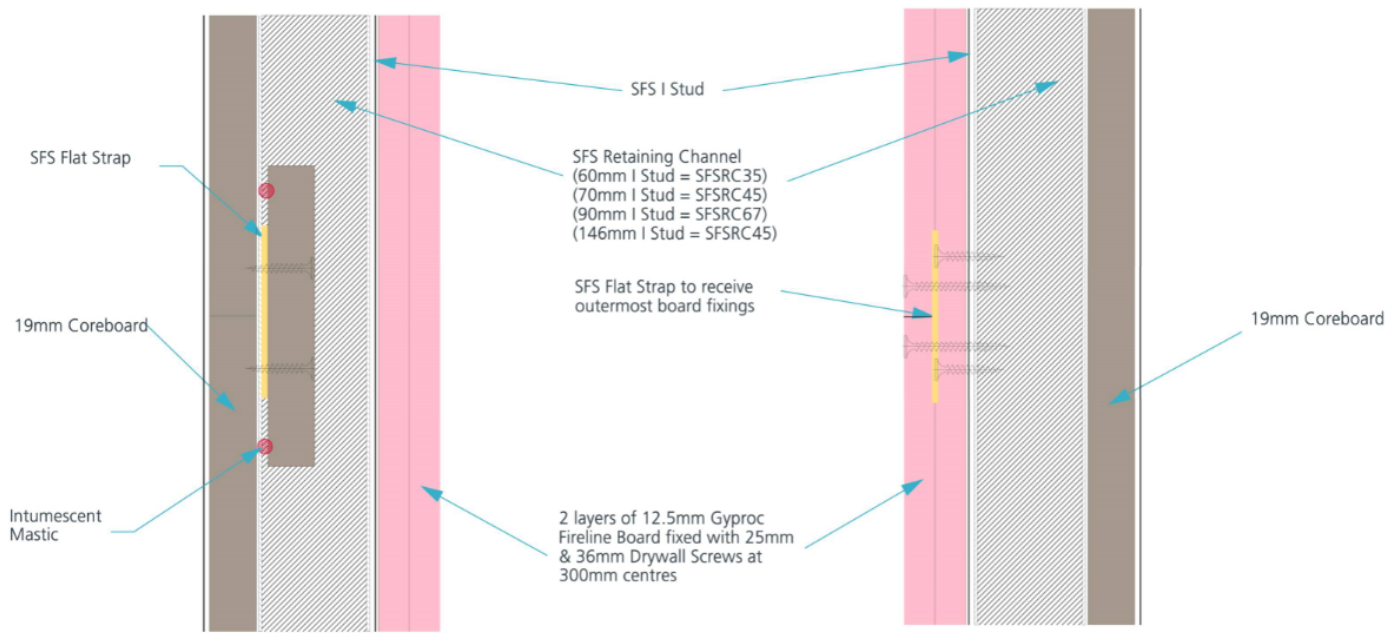
Typical ShaftWall  
T - Junction Detail



Typical ShaftWall  
Door Jamb Detail



Typical ShaftWall  
Horizontal Board Joint Detail

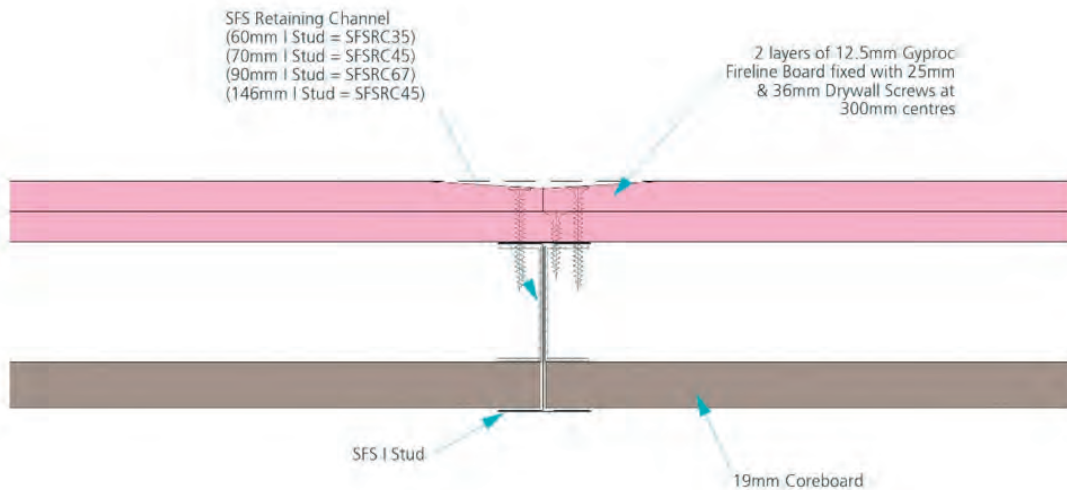


## SFS SHAFTWALL SYSTEM PERFORMANCE GUIDE

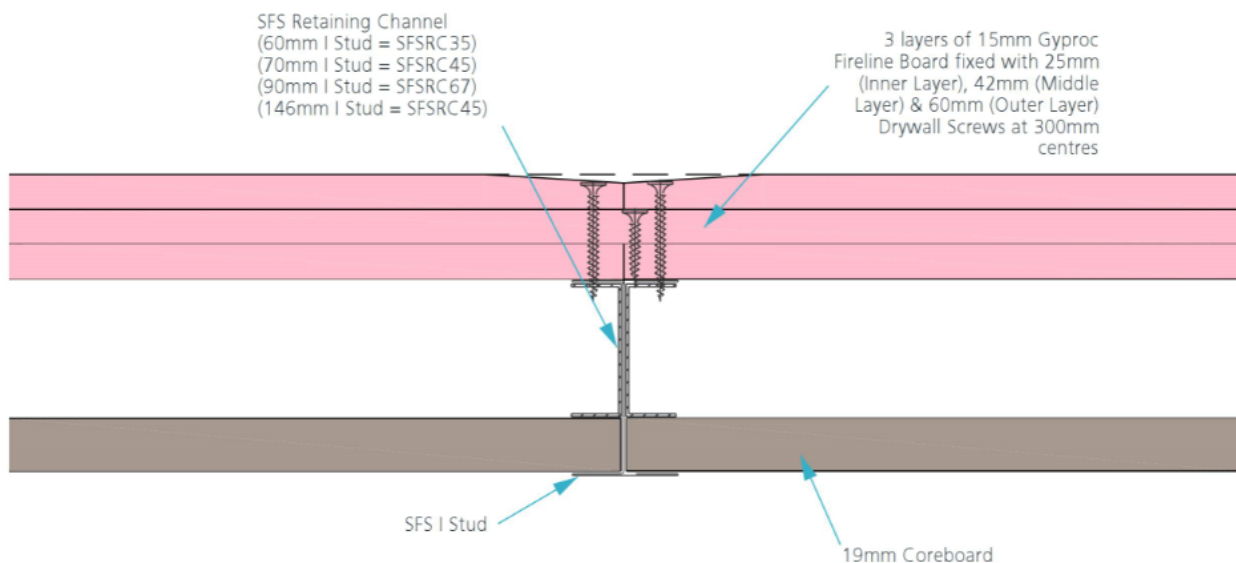
The following Fire results have been obtained on behalf of Steel Formed Sections from Independent Test Bodies in accordance with the associated testing and assessment standards.

Stud Type	Description	Partition Thickness	Max Height	Duty Rating	Fire Rating	EN Fire Test No.	Comments
SFS60I70	19mm Coreboard Shaft Side 2 x 12.5mm Fireline Room Side	87mm	4.4m	Severe	60mins 90mins	SFS2145 SFS2144	Fireline exposed to Fire Coreboard exposed to Fire
SFS70I70	19mm Coreboard Shaft Side 2 x 12.5mm Fireline Room Side	97mm	4.4m	Severe	90mins 90mins	SFS2141 SFS2142	Coreboard exposed to Fire Fireline Exposed to Fire
SFS70I70	19mm Coreboard Shaft Side 3 x 15mm Fireline Room Side	117mm	4.5m	Severe	120mins 120mins	SFS2148 SFS2149	Coreboard exposed to Fire Fireline exposed to Fire

Typical Double Boarded Shaftwall Detail  
(Please refer to Shaftwall Performance Guide Table  
Page 76 for Fire Rated Build-ups)



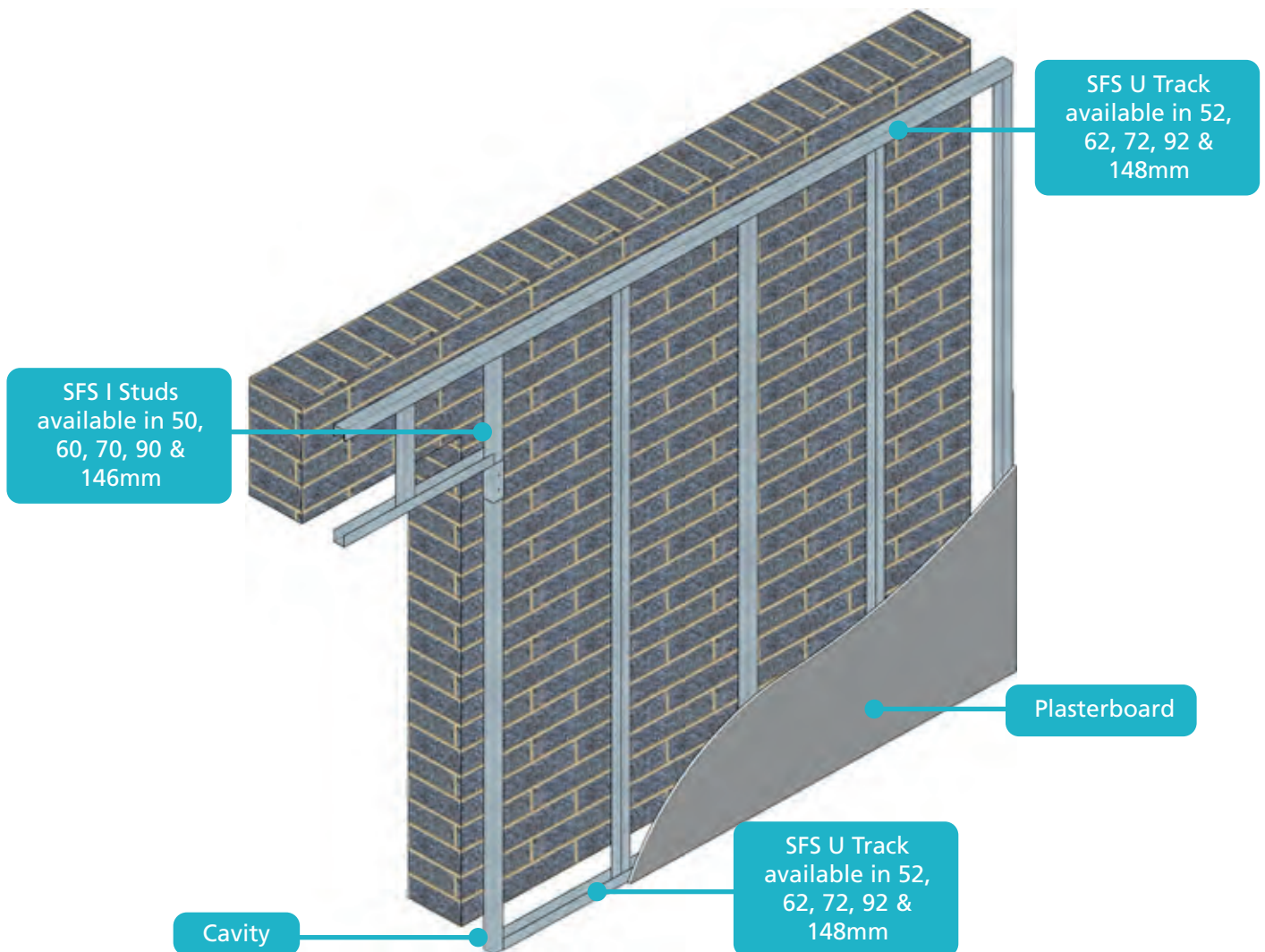
Typical Triple Boarded Shaftwall Detail  
(Please refer to Shaftwall Performance Guide Table  
Page 76 for Fire Rated Build-ups)



# SFS INDEPENDENT WALL LINING SYSTEM

## BACKGROUND


The SFS Wall Lining System is a non-loadbearing construction which is independent from any internal wall or structure. The system is lightweight and is suitable where fixing to an existing feature is not possible. It can be incorporated into systems with new or existing walls to help increase the technical performance of the room.



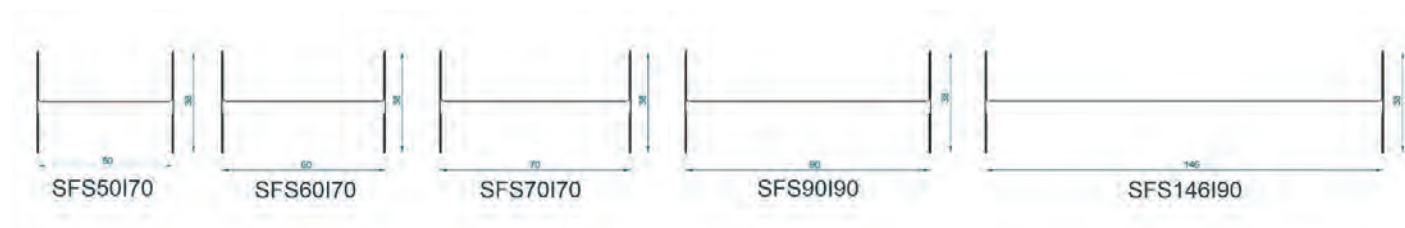
## BENEFITS

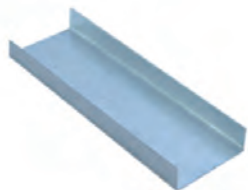
- The system can be completely independent and boarded from one side only
- The thermal bridging is minimized due to the independent construction
- Higher technical performances are achieved increasing acoustics, fire and thermal performance
- The system allows for a clean construction with the removal of irregularities in the external wall
- Services can be included easily with the size of cavity having no limitation.

# SFS INDEPENDENT WALL LINING SYSTEM

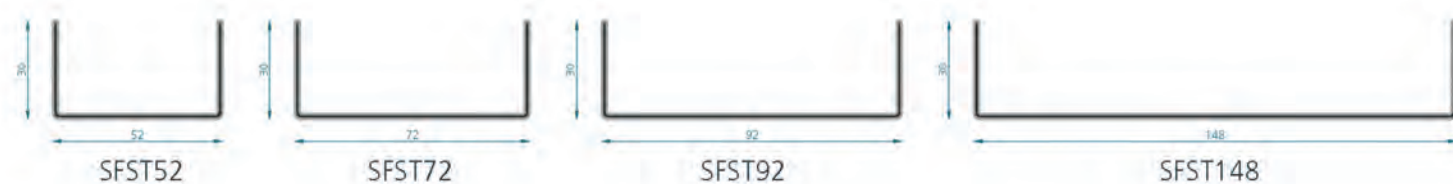
I STUDS	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFS50I50	3000, 3600	0.50	10	100
	SFS50I70	3000, 3600	0.70	10	100
	SFS60I50	2700, 3000, 3600, 4200	0.50	10	100
	SFS60I70	2700, 3000, 3600, 4200	0.70	10	100
	SFS70I50	2700, 3000, 3600, 4200	0.50	10	100
	SFS70I70	3000, 3600, 4200	0.70	10	100
	SFS90I90	3600, 4200	0.90	5	100
	SFS146I90	4200, 5000, 6000	0.90	5	100

custom manufactured sizes available on request




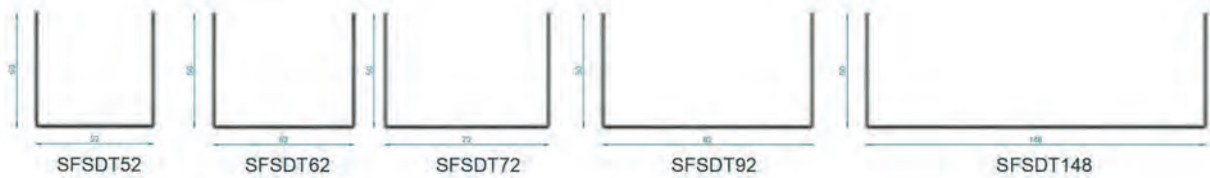
U TRACK STUD (30)	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFST52	3000, 3600	0.50	10	100
	SFST62	3000, 3600	0.50	10	100
	SFST72	3000, 3600	0.50	10	100
	SFST92	3000, 3600	0.50	10	100
	SFST148	3000, 3600	0.50	10	50


custom manufactured sizes available on request

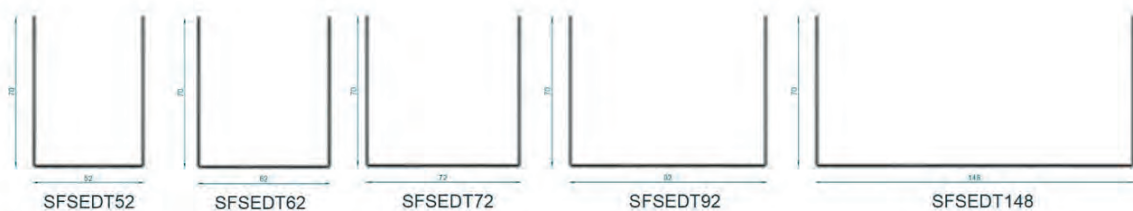


# SFS INDEPENDENT WALL LINING SYSTEM

U TRACK DEEP (50)	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFSDT52	3000, 3600	0.60	10	100
	SFSDT62	3000, 3600	0.60	10	100
	SFSDT72	3000, 3600	0.60	10	100
	SFSDT92	3000, 3600	0.60	10	100
	SFSDT148	3000, 3600	0.60	10	50
custom manufactured sizes available on request					



U TRACK EXTRA DEEP (70)	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFSED52	3000, 3600	0.50	10	50
	SFSED62	3000, 3600	0.50	10	50
	SFSED72	3000, 3600	0.50	10	50
	SFSED92	3000, 3600	0.50	10	50
	SFSED148	3000, 3600	0.50	10	50
custom manufactured sizes available on request					



## INSTALLATION GUIDELINES

### FIXING OF FLOOR AND CEILING TRACKS

All tracks should be fixed to the floor and ceiling in the middle of the profile at 600mm centres with suitable fixings. For 92mm and 148mm wide profiles, we recommend two rows of suitable fixings at 600mm centres staggered by 300mm with each fixing 25mm in from the flange.

A timber sole plate may be required on uneven floors or where the partition is constructed prior to screeding to bring the base of the track up to the finished screed height. When dealing with a newly laid concrete or floor screed a damp proof membrane should be used to protect the U track from moisture.

### FIXING OF BOARDS

#### SINGLE LAYER BOARDING

Plasterboard should be fixed at 300mm maximum centres to the framework with the appropriate screw length. Joints should be staggered from one side of the partition to the other. Fixing centres should be maintained by using flat strap behind all horizontal board joints.

#### DOUBLE LAYER BOARDING

Inner layers can be fixed at 600mm centres but outer layers must be fixed at 300mm centres to the metal framework. The second layer should be positioned with all joints staggered in relation to the first layer assuming the studs are fixed at 600mm centres. Fixing centres should be maintained by using flat strap behind the outer most board for all horizontal board joints of the outer layer.

Please refer to table below for screw fixing lengths:-

SCREW FIXING LENGTHS	
Board Type	Fixing Length
1 x 12.5mm	25mm
1 x 15mm	25mm
2 x 12.5mm	25mm + 36mm
2 x 15mm	25mm + 42mm
1 x 12.5mm & 1 x 15mm	25mm + 42mm

## FIXING OF I STUDS

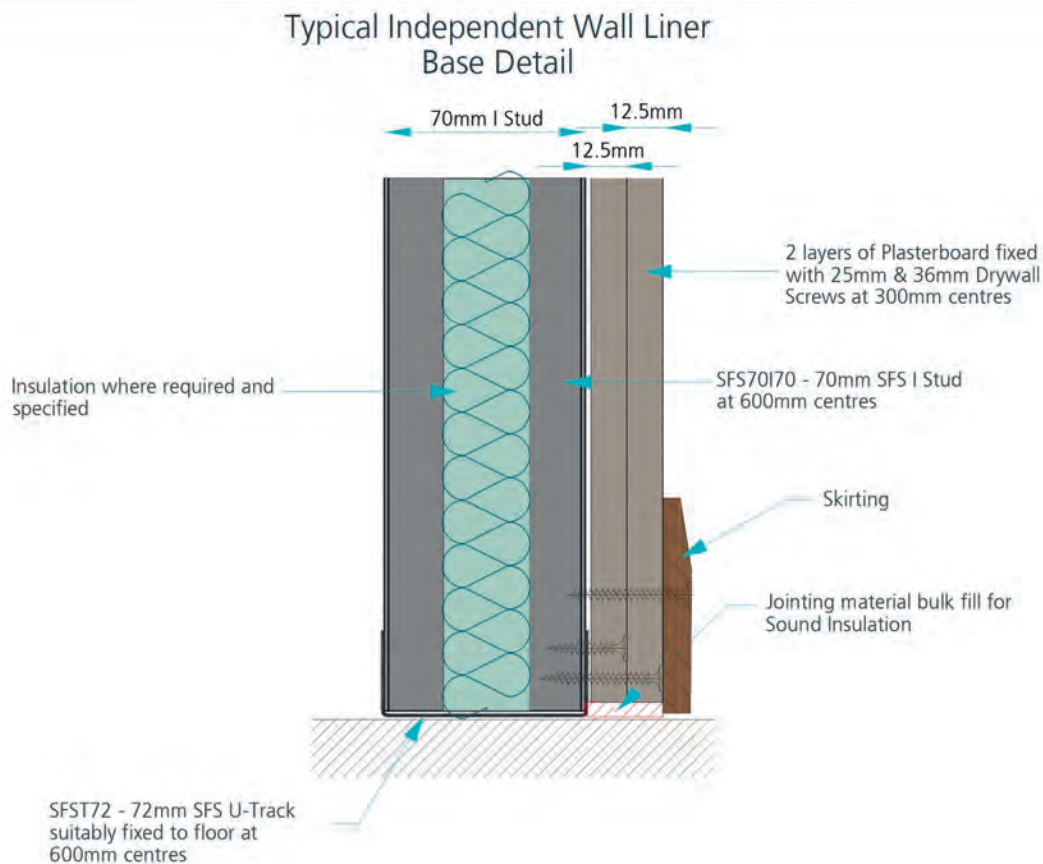
Please reference table below for guidance on Stud Centres depending on system type and height:-  
(Based on limiting deflection of L/240 @ 200Pa)

SFS50I50 - 50mm I Stud Centres Table			
Board Type	Number of Layers	600mm Centres	300mm Centres
12.5mm	1	2.4m	3.0m
15mm	1	2.4m	3.0m
12.5mm	2	2.7m	3.4m
15mm	2	2.8m	3.6m
SFS60I50 – 60MM I Stud Centres Table			
Board Type	Number of Layers	600mm Centres	300mm Centres
12.5mm	1	2.4m	3.0m
15mm	1	2.7m	3.4m
12.5mm	2	3.0m	3.8m
15mm	2	3.3m	4.3m
SFS60I70 – 60MM I Stud Centres Table			
Board Type	Number of Layers	600mm Centres	300mm Centres
12.5mm	1	3.0m	3.8m
15mm	1	3.3m	4.2m
12.5mm	2	3.6m	4.5m
15mm	2	3.9m	4.9m
SFS70I70 – 70MM I Stud Centres Table			
Board Type	Number of Layers	600mm Centres	300mm Centres
12.5mm	1	3.6m	4.5m
15mm	1	3.9m	4.9m
12.5mm	2	4.2m	5.2m
15mm	2	4.3m	5.2m
SFS90I90 – 90MM I Stud Centres Table			
Board Type	Number of Layers	600mm Centres	300mm Centres
12.5mm	1	5.1m	6.4m
15mm	1	5.4m	6.8m
12.5mm	2	5.7m	7.1m
15mm	2	5.8m	7.2m
SFS146I90 – 146MM I Stud Centres Table			
Board Type	Number of Layers	600mm Centres	300mm Centres
12.5mm	1	6.9m	8.7m
15mm	1	7.2m	9.1m
12.5mm	2	7.2m	9.0m
15mm	2	7.5m	9.5m

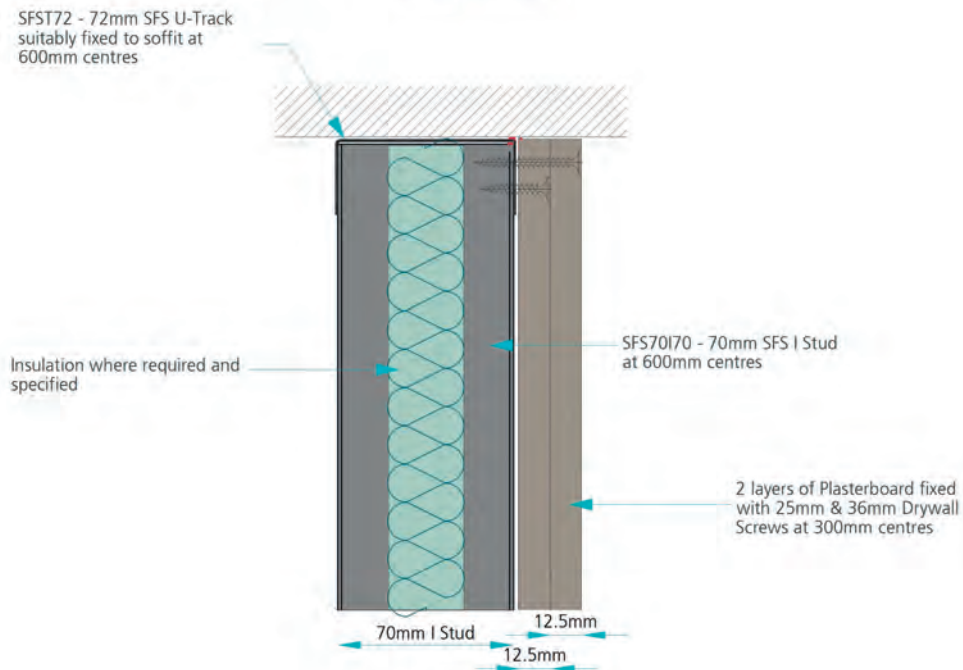
## STANDARD FIXING DETAILS

All standard details for 70mm, 90mm and 146mm SFS C Stud systems are available for download from [www.steelformedsections.ie](http://www.steelformedsections.ie)

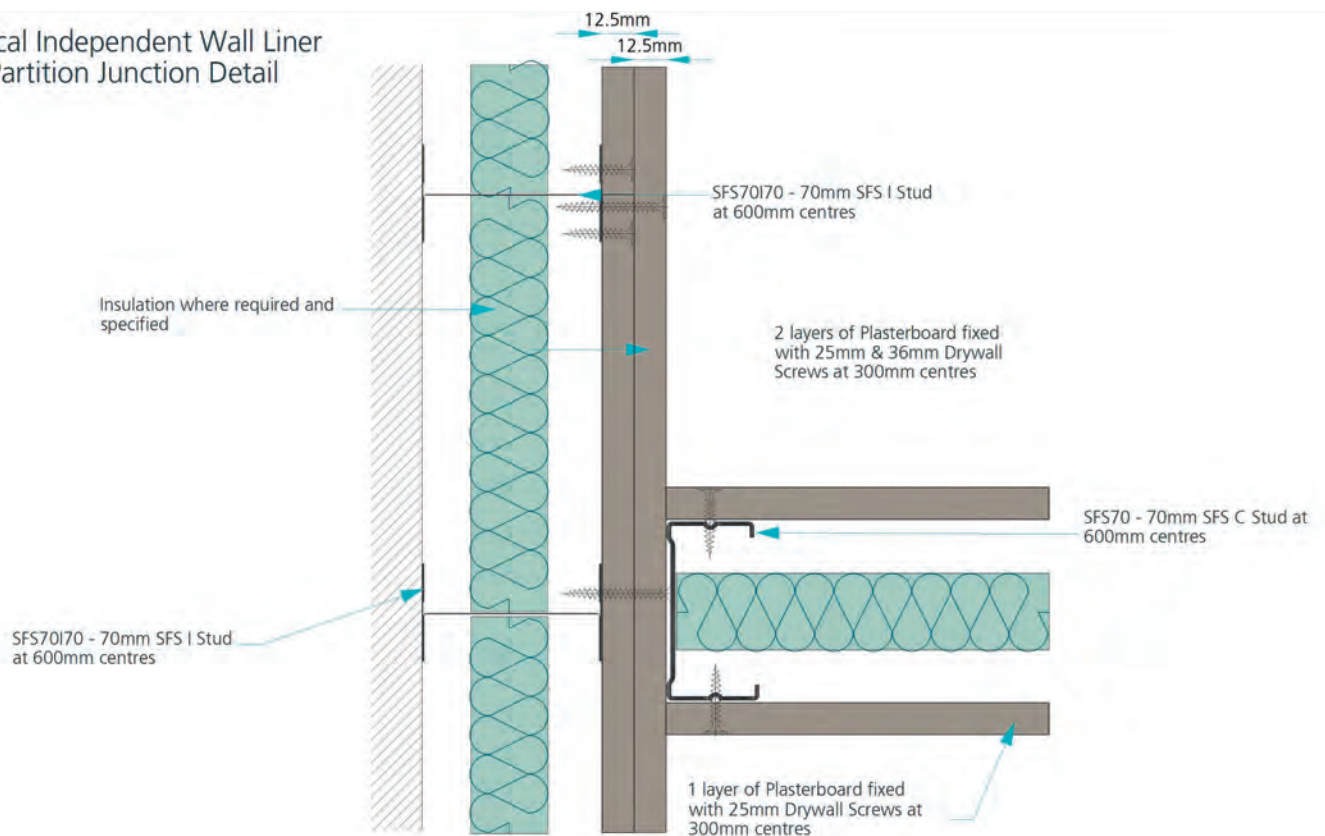
Independent Wall Liners are constructed totally independent from an existing or new wall and are fixed only through the floor and soffit, allowing for reduction in moisture as no contact is made with the wall. This system is ideal for situations where fixing into existing or new wall is not possible allowing for ease of construction. This is also ideal for commercial buildings allowing cavities behind boards to allow for services.



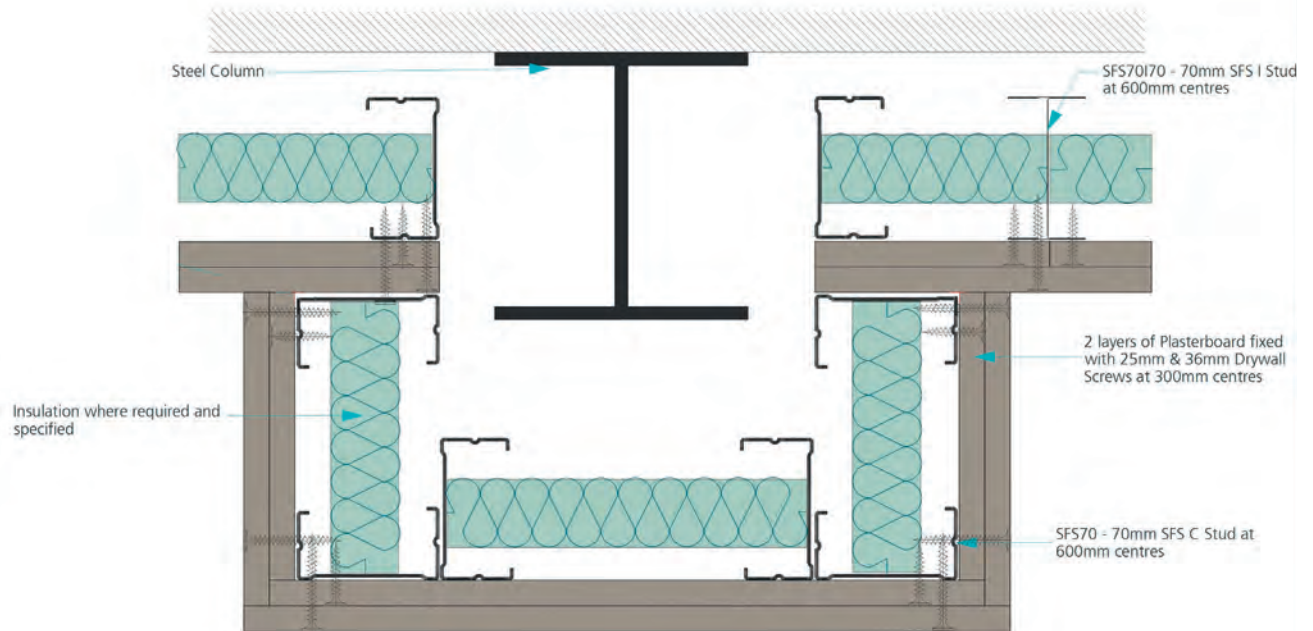
Typical Independent Wall Liner Head Detail



Typical Independent Wall Liner Partition Junction Detail

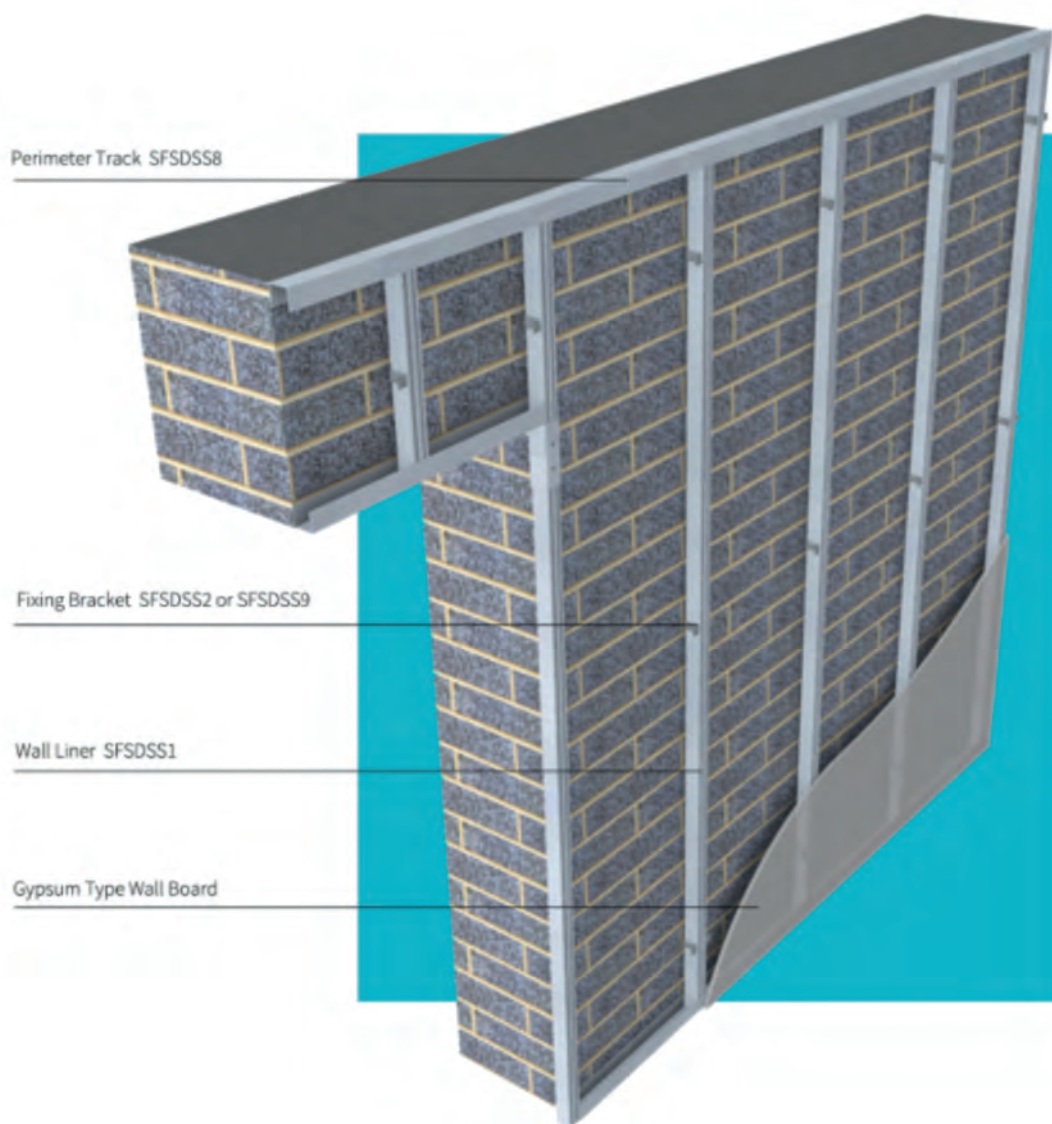


Typical Independent Wall Liner  
Around Steel Column Detail



## BACKGROUND

The SFS Wall Lining System is suitable for use in both dry lining commercial and domestic buildings. It is a quick, simple and cost-effective system where there are even and uneven surfaces. A cavity is created between the plasterboard and wall, ranging from 25mm to 125mm, allowing either thermal or acoustic insulation to be incorporated. To be completely effective before installation it is necessary to treat all walls for any damp and a secure fixing into the existing wall is essential when installing the wall liner.



# SFS WALL LINING SYSTEM

Wall Liner System	Code	Description/Length (MM)	Gauge	Pack Size	Pallet Size
	SFSDSS1	Wall Liner Stud 2400, 2700, 3000, 3600	0.50	10	200
	custom manufactured sizes available on request				
	SFSDSS8	Wall Liner Track 3000, 3600	0.50	10	400
	custom manufactured sizes available on request				
	SFSDSS2	Small Bracket	0.90	100	N/A
	SFSDSS9	Large Bracket	0.90	100	N/A
	SFSDSS3	Connector	N/A	100	N/A

## BENEFITS

- The SFS Wall Lining System can be used with all types of plasterboard
- Metal stud is dimensionally stable and will not twist or bow.
- Provides a secure and dry system using the fixings supplied
- All services can be easily installed behind the wall lining system
- The acoustic and thermal insulation values can be dramatically improved by placing mineral wool or fiberglass within the cavity

### Typical SFS Wall Lining Side Elevation

SFSDSS8 Track suitably fixed to wall at 600mm centres

DSS2 Bracket = 25mm - 75mm  
DSS9 Bracket = 25mm - 125mm

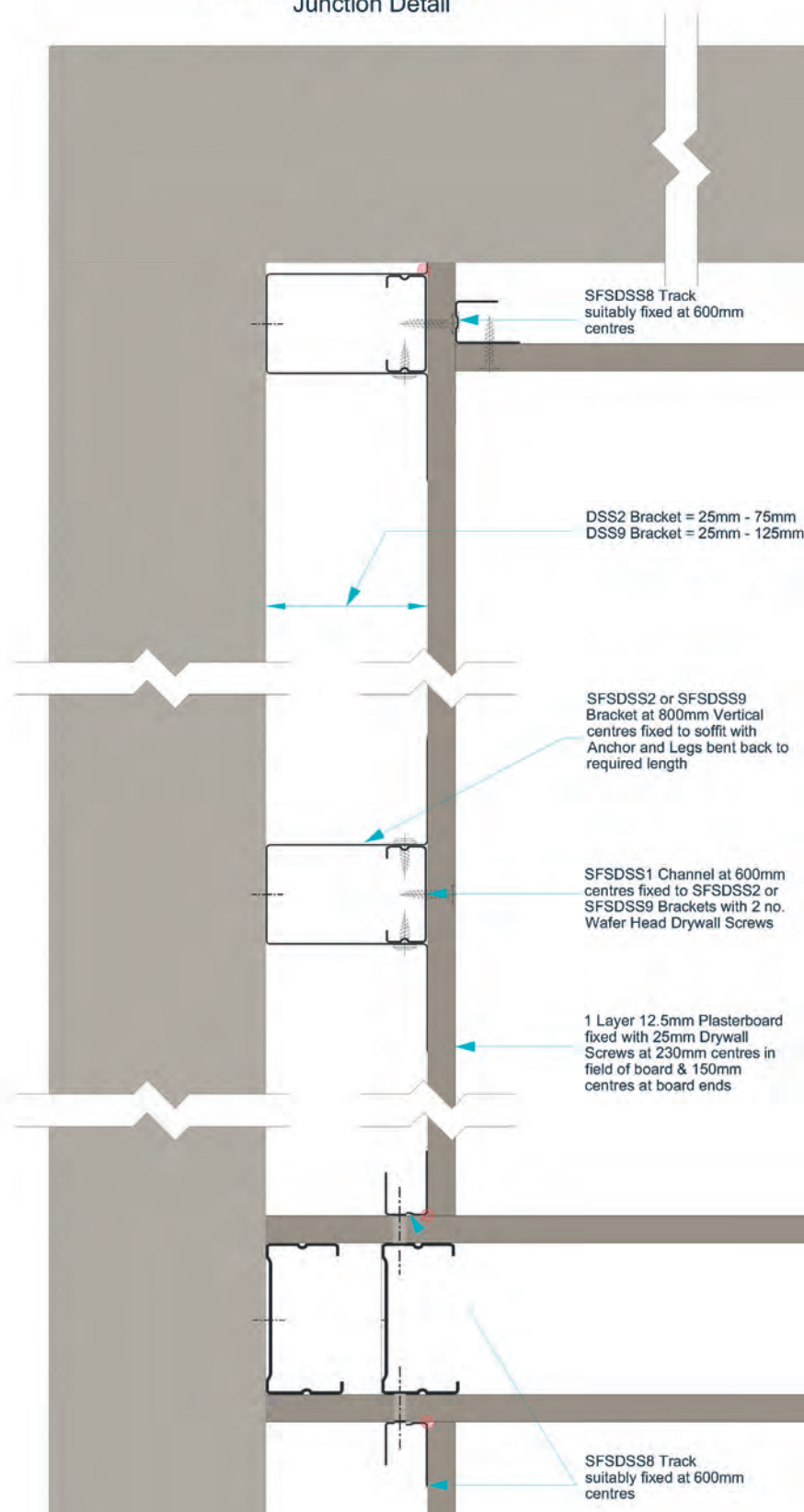
SFSDSS2 or SFSDSS9 Bracket at 800mm Vertical centres fixed to Wall with Anchor and Legs bent back to required length

SFSDSS1 Channel at 600mm centres fixed to SFSDSS2 or SFSDSS9 Brackets with 2 no. Wafer Head Drywall Screws

1 Layer 12.5mm Plasterboard fixed with 25mm Drywall Screws at 230mm centres in field of board & 150mm centres at board ends

SFSDSS8 Track suitably fixed to wall at 600mm centres

Typical SFS Wall Lining Internal Angle and Partition Junction Detail



[illegible]

This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, typical of notebook or legal stationery. There are no margins, text, or other markings on the page.

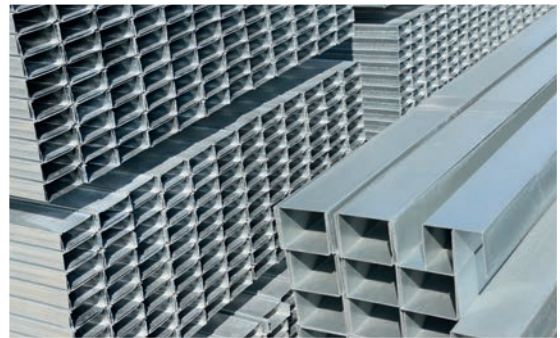
This image shows a full page of a handwriting practice worksheet. It consists of multiple rows of horizontal dashed lines spaced evenly down the page, providing a guide for letter height and placement. The background is plain white, and there are no margins or additional markings.





**SFS** Steel Formed  
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## SFS INTERNAL SYSTEMS



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