



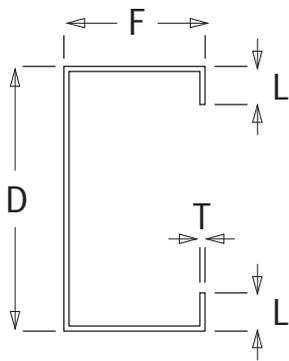
The Protektor SFS system is a widely recognised and proven method of creating external and internal stud frames across a wide and diverse range of construction projects.

From small residential structures to large scale public buildings, it creates a Rapid Dry Envelope (RDE) that has some key benefits over more traditional methods of construction.

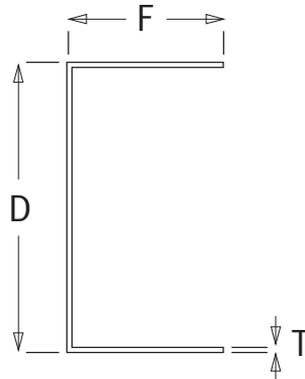
- Speed of construction
- Installation of inclement conditions
- Quality, accuracy and reliability
- 100% recyclable
- Dimensional stability
- Reduced site storage requirements
- Quick supply times to site

SECTION SIZES

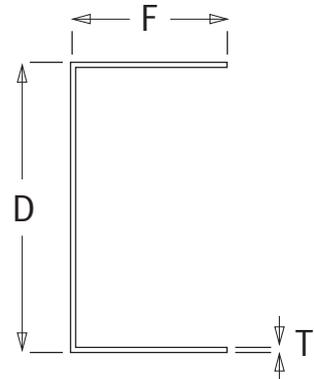
Protektor 'standard' sections are available in the following dimensions to suit a variety of structural and architectural requirements.



'S' Section



'DT' Section



'ST' Section

Ref.	Profile	D	F	L	T
54310	S10012	100	55	14	1.2
54312	S10015	100	55	14	1.5
54314	S10020	100	55	14	2.0
54315	S15012	150	55	14	1.2
54317	S15015	150	55	14	1.5
54319	S15020	150	55	14	2.0
54434	S20012	200	55	14	1.2
54435	S20015	200	65	14	1.5
54436	S20020	200	65	14	2.0

Ref	D	F	T
54425 DT10012	104	70	1.2
54313 DT10020	104	70	2.0
54426 DT15012	154	70	1.2
54318 DT15020	154	70	2.0
54427 DT20012	204	70	1.2
54428 DT20020	204	70	2.0

Ref	D	F	T
54311 ST10012	104	40	1.2
54430 ST10020	104	40	2.0
54316 ST15012	154	40	1.2
54431 ST15020	154	40	2.0
54429 ST20012	204	40	1.2
54432 ST20020	204	40	2.0

INFILL SYSTEM

The Protektor Infill system uses 'C' sections (studs) that span vertically between the 'U' sections (tracks) which are fixed to the primary structure to form the inner leaf wall panel/frame. They are available in a standard range of widths of; 70, 100, 150, 200 and 250mm.

(Bespoke section sizes are also available on request)

The studs are typically placed at 300, 400 or 600mm centres depending on the structural design requirements and/or to suit internal/external cladding board dimensions.

The frame arrangement forms any structural openings for windows/doors/penetrations and provides a substrate for the fixing of the façade treatment as well as the internal plasterboards. The bearing of the frame in relation to the primary structure is generally set a short distance outside to allow sheathing boards and insulation to be fitted in a true and constant line without interference from the structure.

Infill framing is the most commonly used application of the system and is generally well understood by Architects and Main Contractors.



Typical 'Infill' SFS Panel Arrangement

OVERSAIL (CANTILEVER) FRAMING

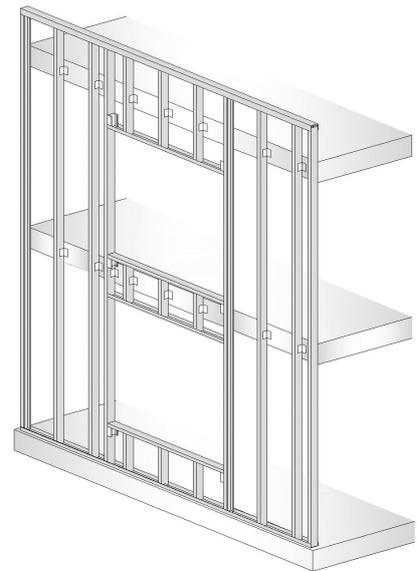
The principles of Oversail SFS are very similar to Infill Framing with the exception that the SFS is offset from the primary structure.

The method of support at the base of a panel can vary from project to project where:

- The stud wall is fully supported on an extended slab or offset hot rolled steel section.
- The stud wall is not directly supported by the main structure but is cleated/bracketed back to the structure using specially designed brackets.

This type of system lends itself to projects where the façade treatment needs to have reduced external movement joints or to maximise internal floor areas. It is also an effective way of creating free standing parapets without the need for additional structural steel/concrete. It is not recommended for use on pretensioned concrete structures as the brackets that connect the frame to the structure may need to be fixed on a tendon/chord position.

Close co-ordination of the fenestration is required on these types of installations as the jombs that form the openings may have to line through floor-to-floor. Offset or staggered window arrangements may be better achieved using the infill system.



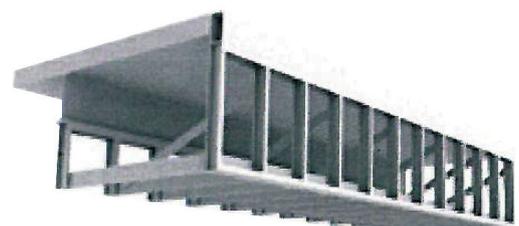
Typical 'Oversail' SFS Panel Arrangement

BESPOKE / SPECIAL SOLUTIONS

As a robust, flexible and quickly built solution, the SFS products can be used to form special constructions such as:

- Soffits
- Bulkheads
- Feature Fins

Advice should be sought from Protektor when considering these types of construction as they generally require special detailing and engineering to ensure a robust solution is built.



Typical bespoke / special solution