



I-Line - Snap-On Feature

DATA SHEET

Snap-On features - Guaranteed truelines every time

Bailey I-Line Snap-On is an architectural cladding feature offering creative possibilities for architects and envelope contractors. Inspired by the use of exposed steel beams, I-Line combines the inherent structural integrity and strength of traditional steel beams with the versatility and practicality of lightweight pre-finished aluminium.

This is achieved by combining the robust precision of extrusions with the adaptability of a pressed sheet. The projecting flange feature is extruded to give a consistently true leading edge, available in a range of standard sizes. The snap-on design principle used for I-Line also includes architectural features such as bullnose, square, window frame and cill profiles. (See enclosed Snap-On Feature Range) The Vertical "web" component is pressed from sheet material allowing a completely variable dimension between flanges and offers a variety of fixing methods.

In its simplest form, I-Line is a feature channel used repetitively on elevations both horizontally and vertically, to define different cladding elements or demarcate floor levels. By extension, the extruded flange principle can be applied to any vertical aluminium face and is thus used in combination with cassette or v-joint fascia and soffit systems to create distinctive eaves profiles.

Bailey is a long established company with an unrivalled combination of technical knowledge and design expertise that is the result of over 30 years experience of designing and supplying low maintenance eaves systems.

Bailey's commitment is to provide a first class service by supplying products of the highest quality, backed by willing and competent specialist advice.

I-Line is part of Bailey's comprehensive range of Eaves Systems. These fascia and soffit products are highly versatile and each can be used by themselves or in combination with others.





Using Bailey I-Line

I-Line can be used as a single finishing element at the eaves or repeated to create stunning and distinctive motifs which reflect the creativity and originality required by an increasing proportion of corporate clients.

I-Line enables the appearance of exposed structure but with the benefits of light weight and low maintenance. This makes it ideally suited to both new build and refurbishment projects.

Colours and finishes

Snap-On Features are available in a wide range of finishes including anodising, with architectural polyester powder coating being the standard option. Bailey provide a 30 year warranty on powder coating (subject to location) with a wide choice of RAL colours in various gloss levels and specials.

Durability

Bailey I-Line, like other Bailey Eaves products, is designed to combine low maintenance with an expected life of at least 30 years in urban and industrial environments and up to 50 years in rural locations.

For marine environments the project requirement should be discussed with Bailey's technical department at an early stage to enable assessment of the most appropriate design, detailing and protective coating.

Installation and maintenance

Bailey I-Line is normally installed by recommended contractors. The materials, finishes and construction used in Bailey I-Line are inherently low maintenance. As with any product, periodic checking and cleaning are required for which schedules appropriate to each project are available on completion.

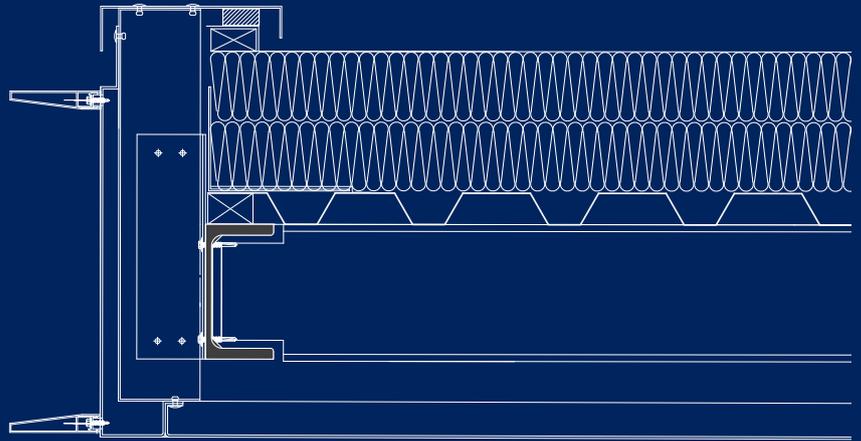


Bailey I-Line in use

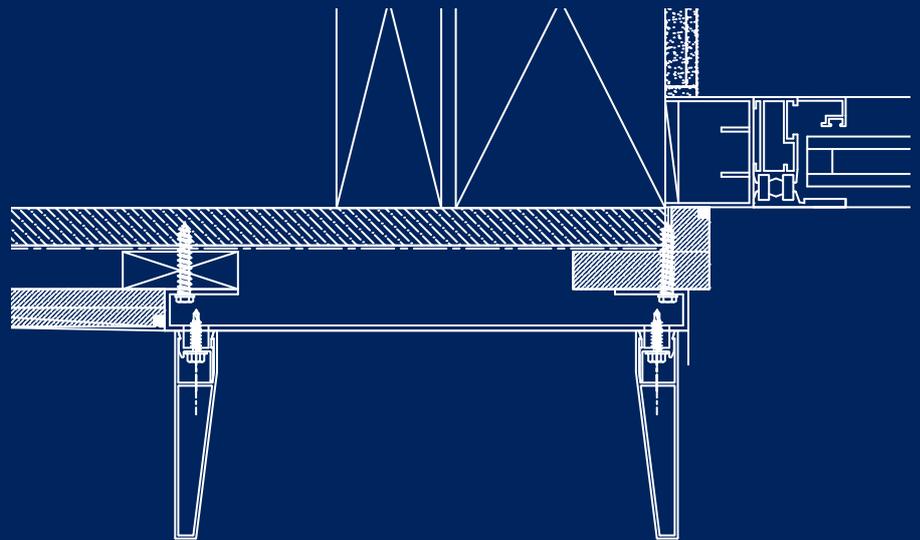
The potential combination and uses of Bailey I-Line are almost limitless. These pages provide some typical uses of I-Line in combination with other Eaves products. Specific information regarding Bailey cassette and Vee Joint soffit systems, Bailey Laser-Line carcassing, Bailey Monsoon gutter systems and Bailey Atlantic singly ply waterproofing can be found in the relevant datasheet for each product.

Having selected the products to achieve your desired feature, Bailey's technical service is available to assist in preparation of the details and drafting of project specifications.

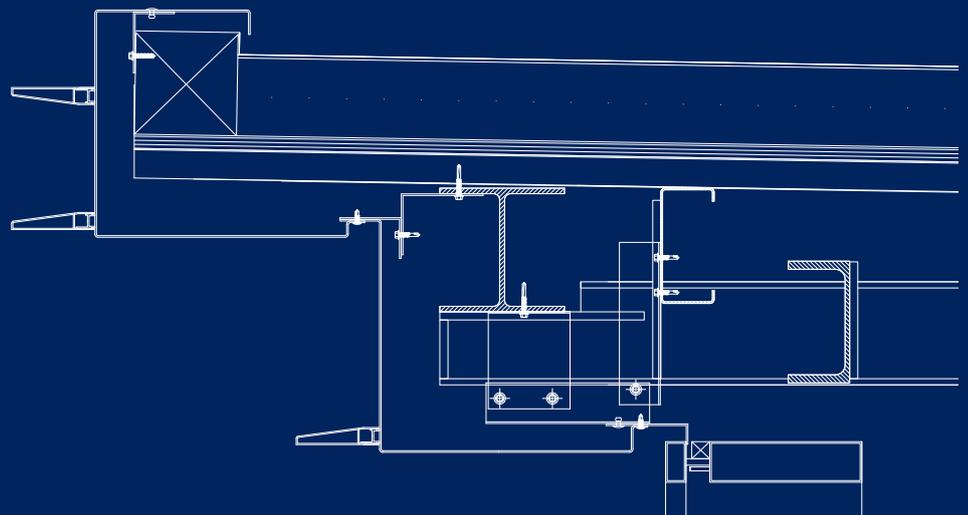
Typical I-Line fascia soffit construction



Typical vertical I-Line feature channel detail



Typical I-Line combination of fascia/soffit



Snap-On feature range



Bullnose 55



Square 55



Bullnose 76



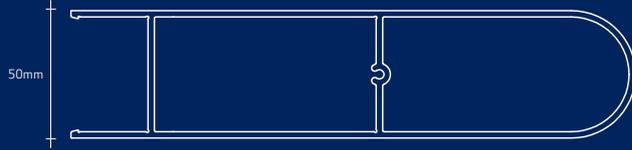
Square 76



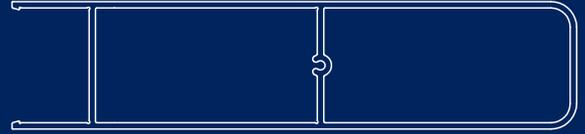
Bullnose 102



Square 102



Bullnose 220



Square 220



Taper 55



I-Line 55



Taper 76



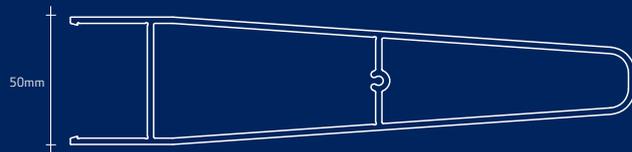
I-Line 76



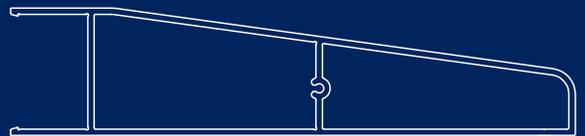
Taper 102



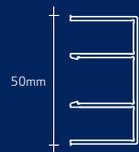
I-Line 102



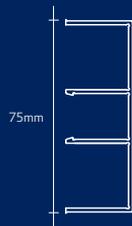
Taper 220



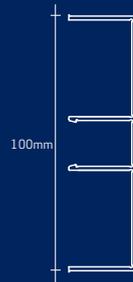
I-Line 220



Frame 50



Frame 75

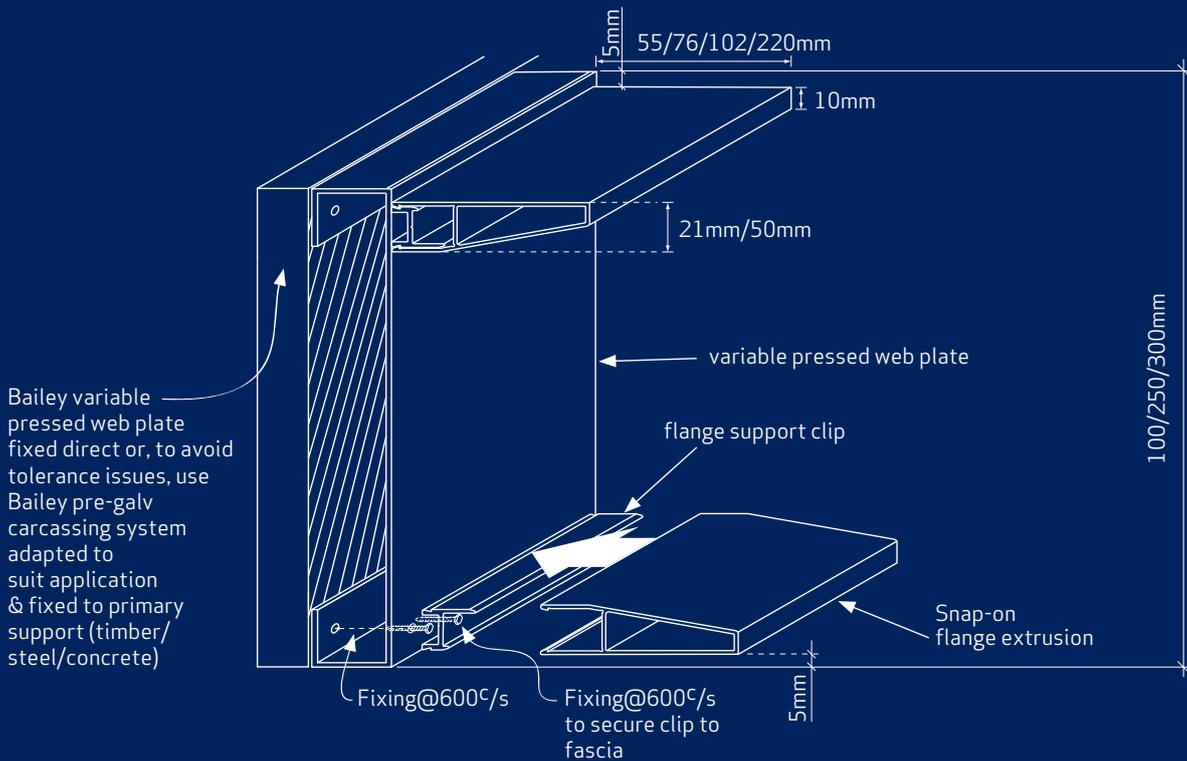


Frame 100

Notes: Optional drip available.
Features can be curved.
For more information contact
Bailey Technical Dept.



Bailey I-Line fixing detail



Guide to installation

- 1) Cover surfaces of pre-galv where it comes into contact with aluminium with isolating tape.
- 2) Install pre-galv tray with fixings at 600 C/s approx, fixing to penetrate primary support (timber/steel/concrete).
- 3) Install web plate to background substrate through 8mm hole at 600 C/s approximately using fixings as specified.
- 4) Install clip to cover 8mm holes using BFX27 hex head fixings.
- 5) Install Snap-On flange by push-fit onto clip.
- 6) Rivet flange to clip using 2 No BFX15 per length.



Step 1

Install web plate



Step 2

Screw the I-Line flange clips on to web plate concealling web plate fixing



Step 3

Push the Snap-On flanges on to the supports



Step 4

Wipe over and clear the site of packaging



Specification

Bailey recommends that where fascia systems are being specified alone they be specified within NBS section H31. Where a combined fascia, soffit and rainwater system, is being specified, NBS section R10 should be used. Bailey can provide technical assistance and is always willing to draft specifications for individual projects.

COMBINED FASCIA/SOFFIT AND GUTTER*SYSTEM TO.....

Drawing reference(s)
Profile type	Bailey (Snap-On feature type) aluminium fascia system
Profile dimensions	Flange projectionmm
Web heightmm
Material	Aluminium sheet to EN485/515/573. Galvanised steel sheet to EN10327:2004 DX51D+z275NA for supporting carcassing
Panel thickness	*Cassette panels to be minimum 2mm but increased in accordance with the recommendations of Bailey Eaves Systems *Vee-joint extruded soffit planks to be 1.9mm thick.
Finish/colour	(As standard only visible faces are polyester powder coated, some severe industrial or marine locations may require coating to reverse side of some components. Bailey technical department should be consulted in these situations. The following specification is for standard polyester powder finishes. If a metallic or special effect polyester powder is required this should be stated below.) Polyester powder coated to a colour and gloss level selected from the manufacturer's standard range. Polyester powder coating is to be electrostatically applied at the manufacturer's in house plant. Pre-treatment of the aluminium to produce no environmentally harmful effluent and confirm with European standards. Test samples are to be retained and results submitted to the architect if requested. Tests to be applied as a minimum are: 1) 1000 hours salt spray test; 2) Impact test (0.908kg from 0.25m high); 3) Permeability test (2 hour pressure cooker); 4) Adhesion test (2mm cross hatch); 5) Flexibility test (20mm mandrel); 6) MIBK cure test. 7) Film thickness
Accessories	Factory fabricated fascia corners, stopends, transitional flashing, rear edge trims, mitre cover strips etc as required.
Supports	To be fitted to Bailey carcassing system at centres recommended by Bailey.
Fixing	All fixings to be completely concealed. System to be fixed using aluminium and stainless steel fixings as recommended and supplied by Bailey Eaves System.
Special features	The system is to fully allow for normal building tolerances to be overcome on site without the necessity to purpose manufacture components to site dimensions. All factory fabricated components to be fully finished and dressed prior to polyester powder coating. *Panels to be stiffened to provide flat and acceptable surface using Bailey concealed stiffening system. (Only applies to Cassette soffit system)
*Method of jointing	Cassette panel system: I-Line fascia system to be butt jointed with 2mm to 3mm expansion gap. Soffit panels to be jointed with Bailey interlocking and stiffening end joint detail with concealed fixings.
*Method of jointing	Vee-joint system: I-Line fascia system to be butt jointed with 2mm to 3mm expansion gap. Soffit planks to be butt jointed joints to be staggered.
*Ventilation	(Only include this section if ventilation is required via the eaves system.) Ventilation to be provided as an integral part of the eaves system. Vents to be in a concealed location and to require no separate mesh. Ventilation to give the equivalent of a "10mm/*25mm continuous air gap
Packaging	All components to be fully wrapped and protected. Bundles to be no larger than can be handled by one person to ensure transfer to point of installation in original packaging. In the case of large or heavy items, these should be clearly marked with the appropriate warning and the approximate weight. Fascia and soffit components to be labelled in accordance with part numbers given on working drawings.
Installation	To be in accordance with manufacturer's instructions. Entire fascia, soffit and rainwater system together with all carcassing work to be supplied and installed by one sub-contractor who is to be selected from the Bailey list of recommended sub-contractors.

* Delete as appropriate

Specification for other products can be found in the relevant datasheet or in the specification section of the Bailey Technical Handbook or on the Bailey website www.baileyeaves.com.



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