

Bailey

Bailey I-Line™ Decorative Feature

The easily fixed cladding
feature that emulates
exposed steel I-beams.



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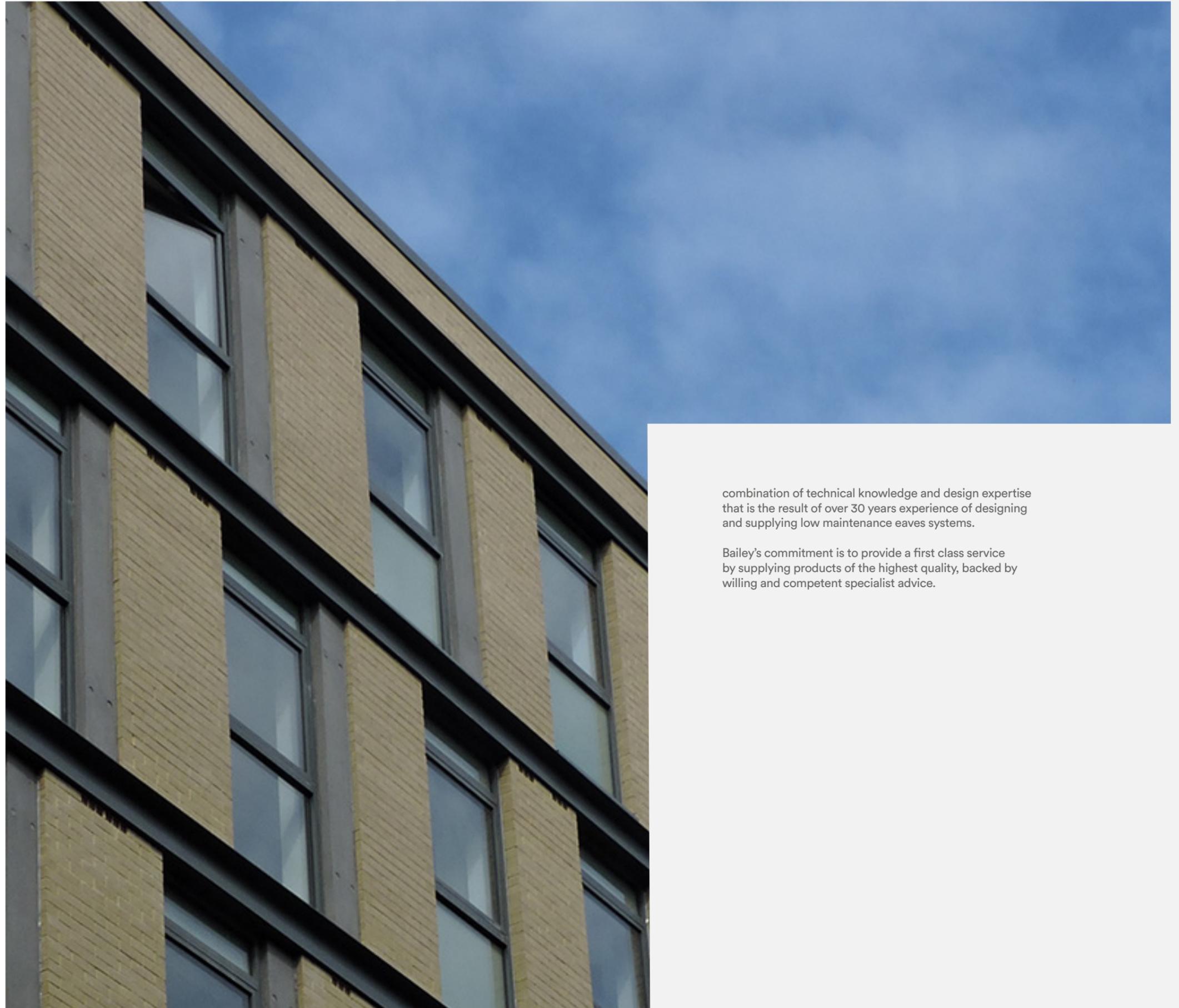
The easily fixed cladding feature that emulates exposed steel I-beams.

Bailey I-Line™ 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 visual appeal of traditional exposed I-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 page 7). 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.

Key benefits

I-Line™ can be used as a single finishing element at the eaves or it can be repeated to create stunning and distinctive motifs, reflecting the creativity and originality increasingly required by corporate clients.

Colours and finishes

I-Line is 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, as well as special colours..

Durability

Bailey I-Line™, like other Bailey 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

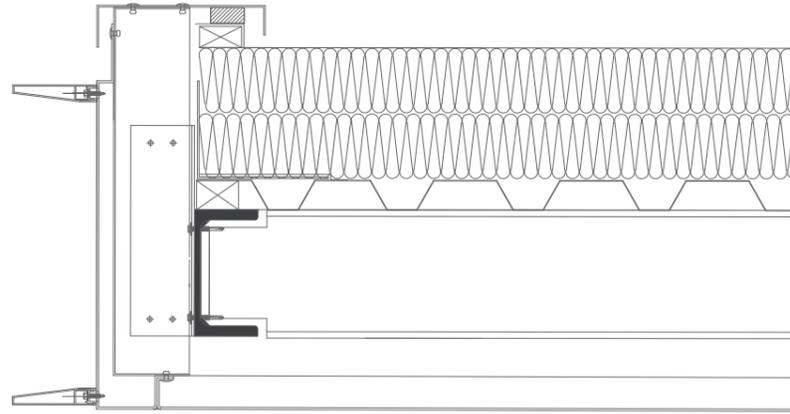
Bailey I-Line™ is normally installed by recommended contractors. The materials, finishes and construction used in Bailey I-Line™ are inherently low maintenance. As with any product, periodic checking and cleaning are required.

Bailey I-Line

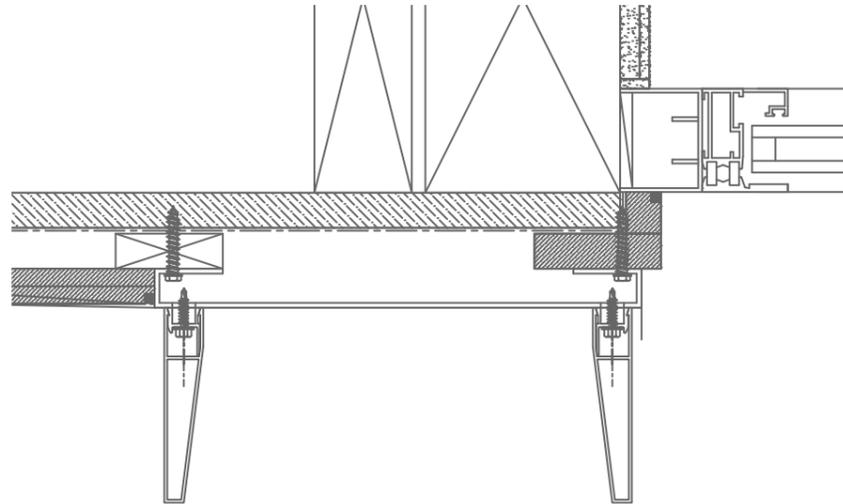
There is almost unlimited potential for the combination and application of I-Line™. Some more typical applications of I-Line™, in combination with other products, can be seen below.

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.

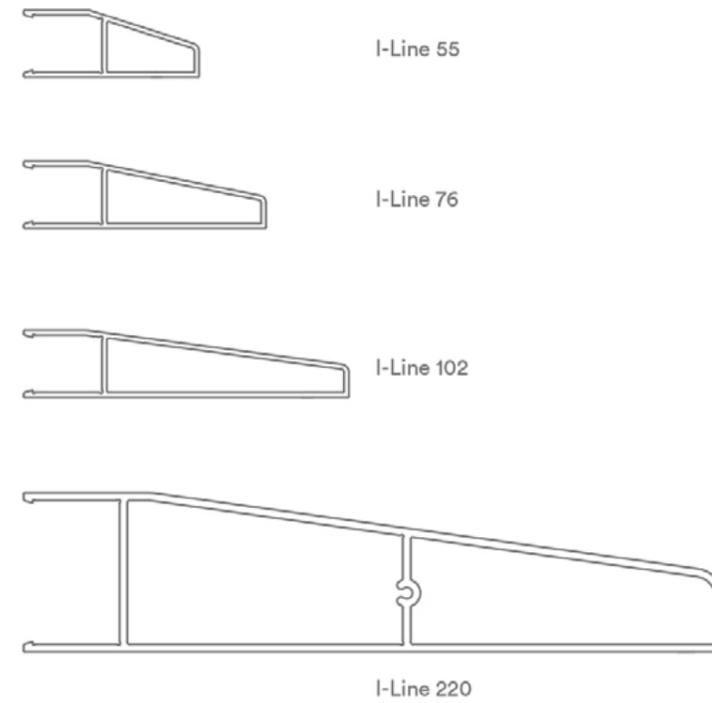
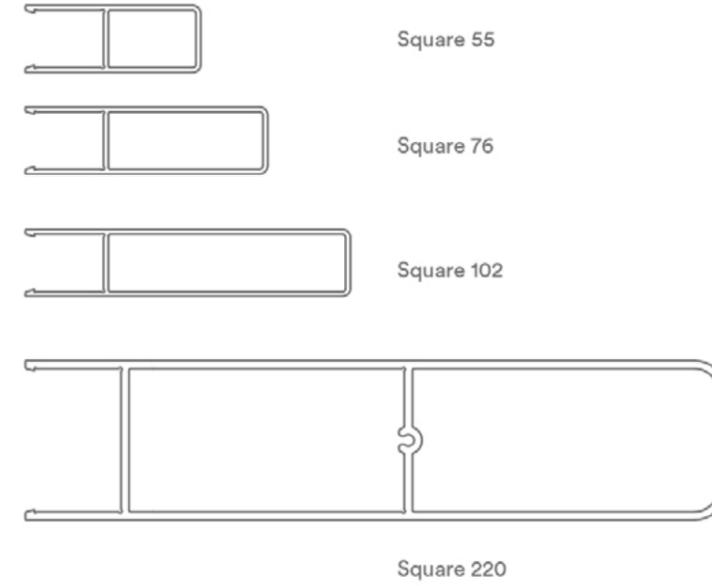
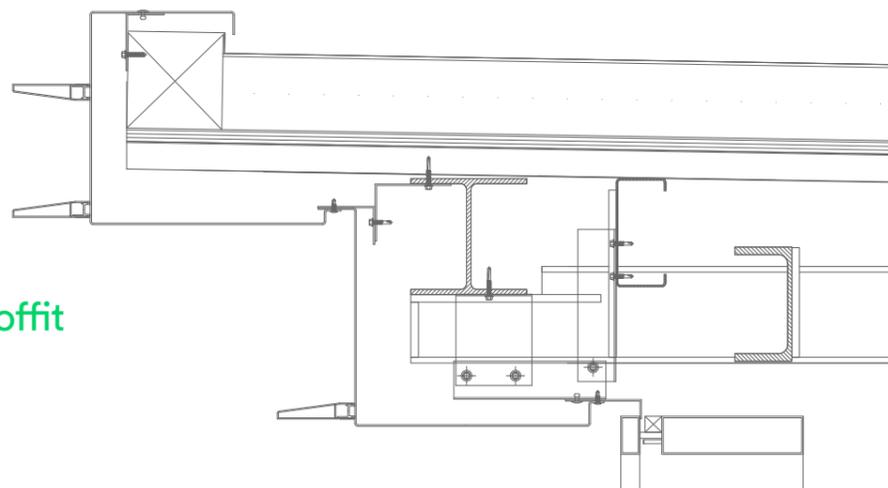
Typical I-Line fascia soffit construction



Typical vertical I-Line feature channel detail



Typical I-Line combination of fascia/soffit



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.



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. Pretreatment 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.

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