

ALUMINIUM FASCIAS & SOFFITS

COMPLETE EAVES SYSTEMS

ENGINEERING EXCELLENCE

Combined with Innovative Design

Introduction

Through a combination of experience and specialist technical expertise, Dales Fabrications Ltd have been manufacturing a comprehensive range of low maintenance eaves products for over 35 years. Extensive engineering experience combined with a passion for quality and a desire for technical innovation has meant that Dales remain a high quality and reliable source of low maintenance eaves products. This literature has been designed with the intention of helping you to specify Dales' products without complication.

For assistance with your project, including technical or pricing advice, call our Project Management Team on Tel: 0115 930 1521 or email your project drawings to us at sales@dales-eaves.co.uk and we'll be happy to help.

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Integrated, Bespoke Systems

The eaves for most buildings require a combination of rainwater, fascia and soffit components. Through consultation and liaison with individual specifiers on a project by project basis, Dales Fabrications design and manufacture engineered eaves systems. These utilise different standard fascia soffit and rainwater components that can be combined to form bespoke solutions for a broad variety of building types. Using standard components in a modular way reduces delivery times to the minimum possible.

Flexible Response

The total eaves concept works best through liaison at an early stage. Experienced Technical Managers at Dales can attend design coordination meetings to discuss your eaves system requirements and can be contacted on Tel: 0115 930 1521. On submission of drawings or proposals, Dales will advise on the most efficient method of support and the practical options available. Extensive experience and technical understanding of different materials and their interaction with one another means that attractive and practicable systems can be designed.

Project Management Design & Specification Service

On receipt of project drawings we assign a Project Manager to each project. They provide a single point of contact throughout the life of the project, from initial design to completion.

Relevant criteria, including support methods, material requirements and budget are established with the specifier. The Project Manager can prepare CAD drawings, calculations, NBS Specifications and quotations, providing a complete specification service.

To discuss the requirements for your project, our Project Management Team can be contacted on Tel: 0115 930 1521.

Accountable Solutions

Dales believe in total quality: quality of design, manufacture, advice and service. This commitment, combined with our ability to create total solutions uniquely suited to individual projects, puts the responsibility for system integrity and functionality on us rather than you, the specifier.

BS EN ISO 9001: Design & Manufacture

Dales Fabrications have been working within the constraints of BS EN ISO 9001 accreditation for over 20 years.

To view our Quality Policy Statement and ISO 9001: Design & Manufacture certificate please visit our website at www.dales-eaves.co.uk



ISO 9001: 2015
Design & Manufacture
Certificate: 041494

Professional Indemnity Insurance

Dales Fabrications hold full Design/Professional Indemnity Insurance with a first class security in the London market. This allows architects and specifiers to use our products with confidence.

Specify via www.dales-eaves.co.uk

Our website has been designed so that you can specify any Dales system swiftly and quickly. CAD drawings and NBS specifications all our products, including our solar shades, wall copings and gutters or rainwater pipes, are available for download.

There is a substantial number of complete eaves system CAD drawings from typical installations available in both PDF or DWG format and these are linked to corresponding NBS Specification clauses. Both the section drawings and specification clauses are easily downloaded for simple integration into your project documentation.

For simplicity and ease of use the NBS clauses are designed to be cut and pasted into your specification document. If there is a drawing or NBS specification clause that you feel needs some modification to suit your project, please call us directly on Tel: 0115 930 1521 and we'll be happy to discuss the design further.

Aluminium: The sustainable choice

Aluminium is recognized as one of the most sustainable materials for use in the building industry. This is due to the vast natural deposits of bauxite (aluminium ore) and longevity of service, combined with low recycling costs. Around 96% of the aluminium used in construction projects around the world is recycled.

The Environment and Dales

Our current environmental policy is available to view at www.dales-eaves.co.uk

Preferred Installer Network

Our network of carefully selected preferred installers are on hand to provide a full supply and fix package. These companies specialise in the installation of our materials and fit them on a regular basis.

Project Sector: Restaurant

Anodised & Tapered Secret Fix Soffit Panels with Facetted Fascia:

Restaurant Story, London



Architect: Space Craft Architects, www.spacecraft-architects.com

Main contractor: McGee Ltd

Preferred fixer: Allgood Guttering (Contracts) Ltd

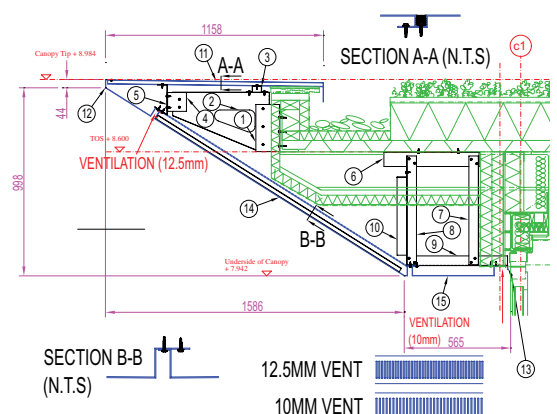
"Dales were a good team to work with, and were a critical part of the design workshop, which was crucial to ensure all parties understood the limitations and reasons behind the design concept. Despite the complexity of the canopy, I think everyone would be in agreement that it is definitely one of the highlights of the finished scheme."

Matt Flannery, of Space Craft Architects

LEGEND

1. DALES BRACKET IN GALV @ 600MM CTRS, REF: X01
2. DALES DIAPHRAGM IN GALV @ 600MM CTRS, REF: X02
3. DALES TOP HAT SUPPORT IN GALV, REF: X03
4. DALES CLEAT IN GALV @ 600MM CTRS, REF: X04
5. DALES FASCIA TRIMMER IN GALV, REF: X05
6. DALES SOFFIT SUPPORT HANGER IN GALV @ 600MM CTRS, REF: X06
7. DALES SOFFIT SUPPORT HANGER IN GALV @ 600MM CTRS, REF: X07
8. DALES SOFFIT SUPPORT HANGER IN GALV @ 600MM CTRS, REF: X07

9. DALES SOFFIT TRIMMER IN GALV @ 600MM CTRS, REF: X25
10. DALES DIAGONAL TIE IN GALV @ 600MM CTRS, REF: X09
11. DALES FASCIA FLASHING IN ALUMINIUM, ANODISED, COLOUR: ANOLOK 541, REF: X10
12. DALES FASCIA IN ALUMINIUM, ANODISED, COLOUR: ANOLOK 541, REF: X11
13. DALES VENTED CLOSURE ANGLE IN ALUMINIUM, ANODISED, COLOUR: ANOLOK 541, REF: X12
14. DALES VENTED SOFFIT PANEL IN ALUMINIUM, ANODISED, COLOUR: ANOLOK 541, REF: X13
15. DALES SOFFIT PANEL IN ALUMINIUM, ANODISED, COLOUR: ANOLOK 541, REF: X26



Project Sector: Private School

Elliptical Bullnose & Secret-Fix Soffit Panels & 260 Shadex Solar Shades

New Refectory for Stonyhurst College, Clitheroe

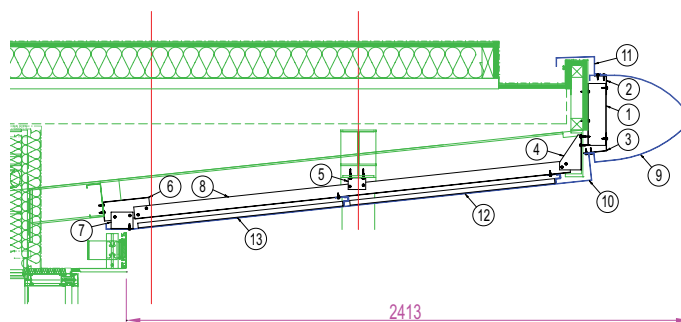


Architect: Cassidy + Ashton, www.cassidyashton.co.uk

Main contractor: Globe Construction

"Cassidy + Ashton Group Ltd has worked successfully with Dales on many projects. The Refectory building at the historic Stonyhurst College site presented many challenges in delivering a modern building; surrounded by listed buildings, however the use of sympathetic materials in the design, along with implementation of Dales solar shades, and elliptical fascia with secret fix soffit systems, to create clean roofline profiles, all helped to achieve this successfully"

Cassidy + Ashton Architect



LEGEND

- | | |
|--|--|
| 1. DALES 'Z' BRACKET IN GALV@ 600mm CTRS, REF: X01 | 8. DALES SOFFIT TRIMMER IN GALV@ 600mm CTRS, REF: X08 |
| 2. DALES FASCIA TRIMMER IN GALV, REF: X02 | 9. DALES ELLIPTICAL FASCIA IN ALUMINIUM, PPC, COLOUR: RAL 7039 MATT, REF: X09 |
| 3. DALES FASCIA TRIMMER IN GALV, REF: X03 | 10. DALES FASCIA IN ALUMINIUM, PPC, COLOUR: RAL 7039 MATT, REF: X10 |
| 4. DALES CLEAT IN GALV@ 600mm CTRS, REF: X04 | 11. DALES FASCIA FLASHING IN ALUMINIUM, PPC, COLOUR: RAL 7039 MATT, REF: X11 |
| 5. DALES CLEAT IN GALV@ 600mm CTRS, REF: X32 | 12. DALES SOFFIT PANEL (INC STIFFENERS) IN ALUMINIUM, PPC, COLOUR: RAL 7039 MATT, REF: X12 |
| 6. DALES CLEAT IN GALV@ 600mm CTRS, REF: X05 | 13. DALES SOFFIT PANEL (INC STIFFENERS) IN ALUMINIUM, PPC, COLOUR: RAL 7039 MATT, REF: X13 |
| 7. DALES CLEAT IN GALV@ 600mm CTRS, REF: X07 | |

Project Sector: Housing

Double Radii Bullnose & Standard Panels with Internal Gutter & Rainwater Pipes
Empress Heights, Southampton



Architect: HNW Architects, www.hnw.co.uk

Main contractor: Crest Nicholson, www.crestnicholson.com

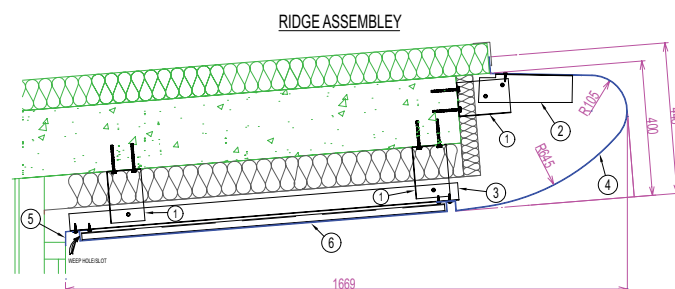
Preferred fixer: Roweaver Developments Limited, www.roweaver.co.uk

"It was great to be able to work with Dales Fabrications and use their expertise and knowledge to help with the aluminium work at Empress Heights, based on College Street. The development is complete and the collection of one and two bedroom apartments and duplexes are selling well. We have been on schedule throughout the building process and completion was earlier than expected."

Christine Tiernan, Sales and Marketing Director at Crest Nicholson

LEGEND

1. DALES SUPPORT BRACKET IN GALV STEEL AT 750mm CTRS. REF - X01
2. DALES BRACKET IN GALV STEEL AT 750mm CTRS. REF - X65
3. DALES SOFFIT TRIMMER IN GALV STEEL @ 750mm CTRS. REF - X21
4. DALES FASCIA IN ALUMINIUM PPC (7012 - MATT). REF - X13
5. DALES CLOSURE ANGLE IN ALUMINIUM PPC (7012 - MATT). REF - X14
6. DALES SOFFIT PANEL IN ALUMINIUM PPC (7012 - MATT). REF - X22



Project Sector: Commercial Offices

Angular Fascia with Standard Panel Soffit, Monocoque Support & Hidden Gutter

Syward House, Chertsey, Surrey



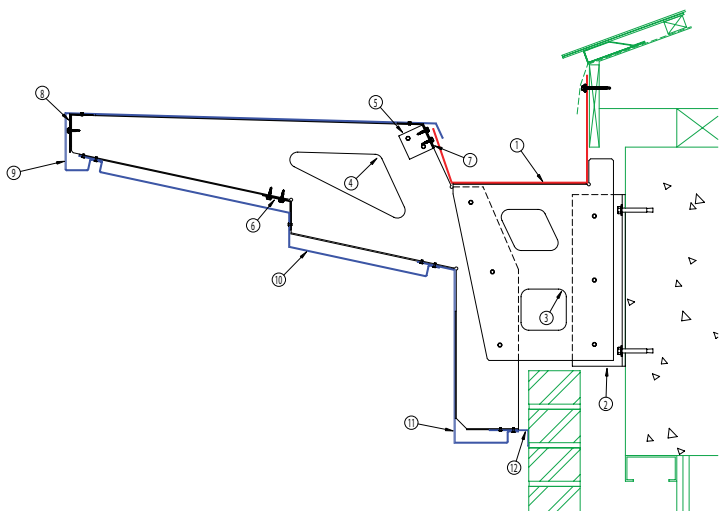
Architect: Barton Willmore Partnership, Bristol

Main contractor: Kier Plc

Subcontractor: Asphaltic Limited

LEGEND

1. DALES PURPOSE-MADE GUTTER IN ALUMINIUM
2. DALES PRIMARY SUPPORT CLEAT IN 6MM STEEL G.A.M.
3. DALES GUTTER SUPPORT DIAPHRAGM IN GALVANISED STEEL
4. DALES FASCIA & SOFFIT SUPPORT DIAPHRAGM IN GALV. STEEL
5. DALES FIXING CLEAT IN GALVANISED STEEL
6. DALES CONTINUOUS TRIMMER IN GALVANISED STEEL
- 7/8. AS ITEM 6
9. DALES UPPER FASCIA IN ALUMINIUM P.P.C.
10. DALES SOFFIT PANEL IN ALUMINIUM P.P.C.
11. DALES LOWER FASCIA IN ALUMINIUM P.P.C.
12. DALES SOFFIT CLOSURE ANGLE IN ALUMINIUM P.P.C.



Project Sector: Housing

Bullnose Fascia with Hidden Gutter, Secret-Fix Soffit Panel & Rainwater Pipe

Ovaltine Apartments, Kings Langley, Hertfordshire



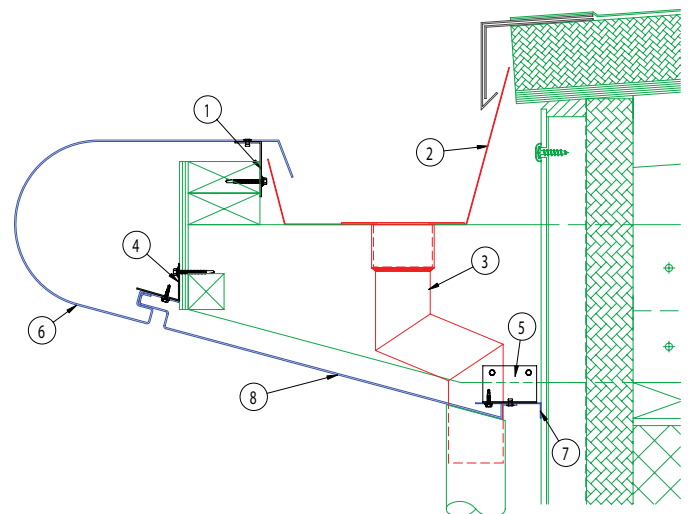
Architect: Fairview Homes, www.fairview.co.uk

Main contractor: Fairview Homes, www.fairview.co.uk

Preferred fixer: Roweaver Developments Limited, www.roweaver.co.uk

LEGEND

1. DALES FASCIA TRIMMER, GALV STEEL
2. DALES SINGLE SKIN MEMBRANE GUTTER
3. 76.2DIA 102MM 112.50 RWP OFFSET
4. DALES SOFFIT TRIMMER, GALV STEEL
5. DALES SOFFIT CLEAT, GALV STEEL @ 600MM C/C
6. DALES BULLNOSE FASCIA, ALUMINIUM
7. DALES CLOSURE ANGLE, ALUMINIUM
8. DALES SOFFIT PANEL, ALUMINIUM



Project Sector: Education

Curved Plain Fascia with Panelled Soffit; Meridian Wall Coping & 260 Shadex Solar Shades
Beths Grammar School, Bexley, Kent



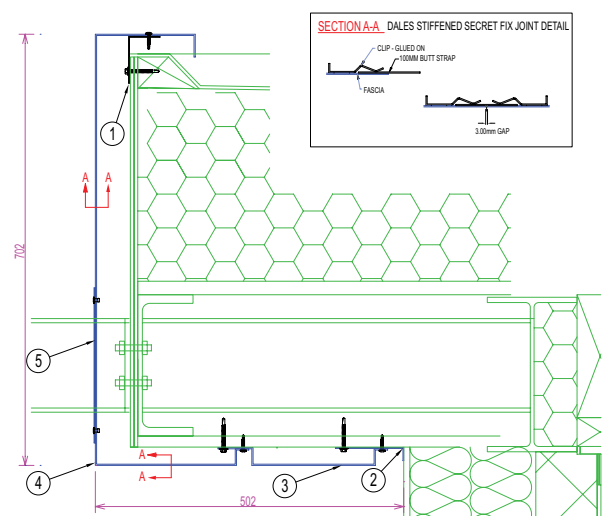
Architect: Ingleton Wood LLP architects, www.ingletonwood.co.uk
Main contractor: Horizon Construction, www.horizonconstruction.co.uk
Preferred fixer: Specialised Fixings of Ipswich, www.specialisedfixings.co.uk

"We have worked successfully with Dales Fabrications and Ingleton Wood LLP on this project and we're very pleased with the result. Not only have we helped to create additional space at Beths Grammar School to accommodate more pupils, but through creative design we've constructed a centralised hub for the administrative support and senior management team. In addition, the new main entrance and reception correct the safeguarding issues that surrounded the location and accessibility of the existing school reception."

Steve Hart, Senior Contracts Manager, Horizon Construction

LEGEND

1. DALES GALV SUPPORT IN GALV STEEL. REF - X07
2. DALES CLOSURE ANGLE IN ALUMINIUM PPC (RAL 7011 - MATT) REF - X08
3. DALES SOFFIT IN ALUMINIUM PPC (RAL 7011 - MATT) REF - X12
4. DALES FASCIA SOFFIT IN ALUMINIUM PPC (RAL 7011 - MATT) REF - X09
5. DALES COVER PLATE IN ALUMINIUM PPC (RAL 7011 - MATT) AT STEEL CENTRES. REF - X11



Project Sector: Commercial

Sigma Fascia with Hidden Gutter, Kwikfix Plank Soffit & Rainwater Pipes

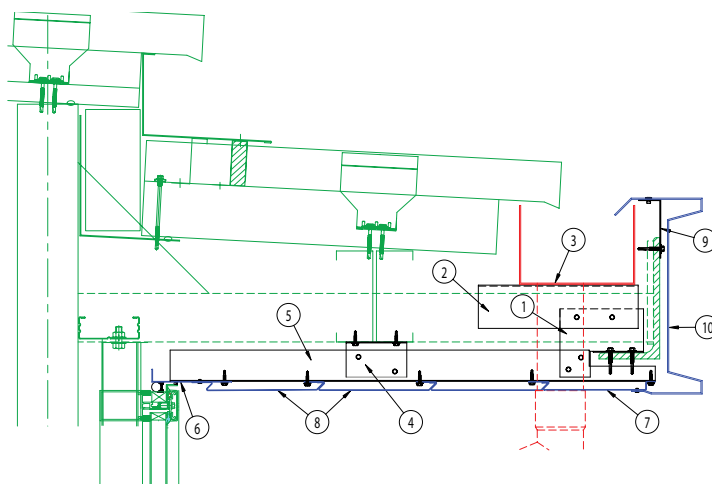
Godstone Road, Caterham, Surrey



Architect: Design Group 3 Architects

LEGEND

1. DALES FIXING CLEAT IN GALVANISED STEEL
2. DALES FIXING CLEAT IN GALVANISED STEEL
3. DALES PURPOSE MADE GUTTER IN ALUMINIUM
4. DALES FIXING CLEAT IN GALVANISED STEEL
5. DALES SOFFIT TRIMMER IN GALVANISED STEEL
6. DALES CLOSURE ANGLE IN ALUMINIUM P.P.C.
7. DALES STARTER PLANK IN ALUMINIUM P.P.C.
8. DALES KWIFIX PLANKS IN ALUMINIUM P.P.C.
9. DALES FASCIA SUPPORT ANGLE IN GALVANISED STEEL
10. DALES SIGMA FASCIA IN ALUMINIUM P.P.C.



Project Sector: Charitable Trust

Stepped Fascia with Hidden Gutter & Standard Panel Soffit

Archie Norman House for the Children's Trust, Surrey

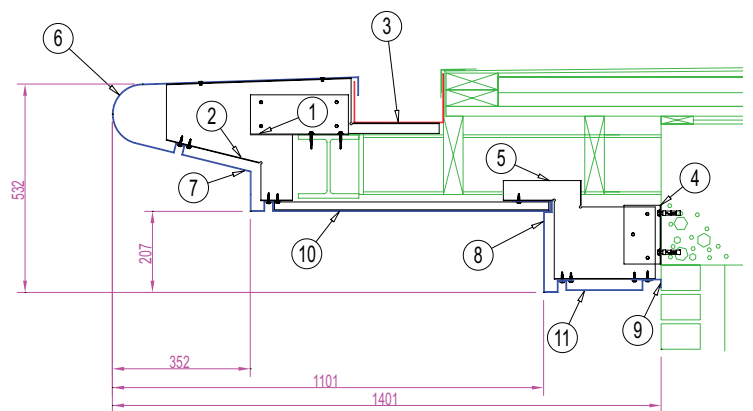


Architect: PDP Architects, Epsom, Surrey

Main contractor: Morgan Ashurst

LEGEND

1. DALES BRACKET IN GALV @ 600mm CTRS, REF: X44
2. DALES DIAPHRAGM BRACKET IN GALV @ 600mm CTRS, REF: X45
3. DALES PURPOSE MADE GUTTER IN MILL FINISHED ALUMINIUM, REF: X39
4. DALES BRACKET IN GALV @ 600mm CTRS, REF: X62
5. DALES DIAPHRAGM BRACKET IN GALV @ 600mm CTRS, REF: X58
6. DALES BULLNOSE FASCIA IN ALUMINIUM, PPC, COLOUR: RAL 8019 GLOSS, REF: X40
7. DALES SOFFIT PANEL IN ALUMINIUM, PPC, COLOUR: RAL 8019 GLOSS, REF: X41
8. DALES FASCIA IN ALUMINIUM, PPC, COLOUR: RAL 8019 GLOSS, REF: X100
9. DALES CLOSURE ANGLE IN ALUMINIUM, PPC, COLOUR: RAL 8019 GLOSS, REF: X24
10. DALES SOFFIT PANEL (INC STIFFENERS) IN ALUMINIUM, PPC, COLOUR: RAL 9018 GLOSS, REF: X59
11. DALES SOFFIT PANEL IN ALUMINIUM, PPC, COLOUR: RAL 8019 GLOSS, REF: X43



Project Sector: Housing

Quadrant Fascia & Standard Panel Soffit

Jubilee Square, Reading



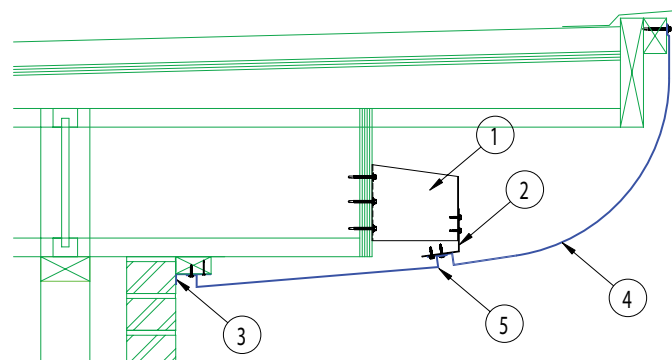
Architect: Hester Architects, www.hesterarchitects.co.uk

Main contractor: Bellway Homes, www.bellway.co.uk

Subcontractor: Amber Construction

LEGEND

1. DALES DIAPHRAGM BRACKET @ 600MM C.C, GALV STEEL
2. DALES SOFFIT TRIMMER, GALV STEEL
3. DALES CLOSURE ANGLE, ALUMINIUM P.P.C
4. DALES ELLIPTICAL FASCIA, ALUMINIUM P.P.C
5. DALES SOFFIT PANEL, ALUMINIUM P.P.C



Project Sector: Local Authority

Kwikfix Fascia & Soffit with External Gutter & Rainwater Pipes: Timber support

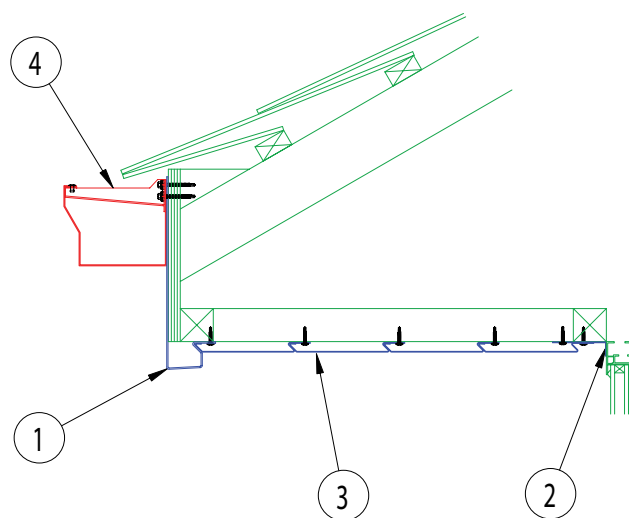
Offices for Charnwood Borough Council, Leicestershire



Architect: BRP Architects, Market Harborough, www.brp-architects.com
Preferred fixer: Roweaver Developments Ltd, www.roweaver.co.uk

LEGEND

1. DALES FASCIA IN ALUMINIUM
2. DALES CLOSURE ANGLE IN ALUMINIUM
3. DALES KWIKFIX SOFFIT PLANKS IN ALUMINIUM
4. DALES CLASSIC GUTTER IN ALUMINIUM



DESIGN CONSIDERATIONS

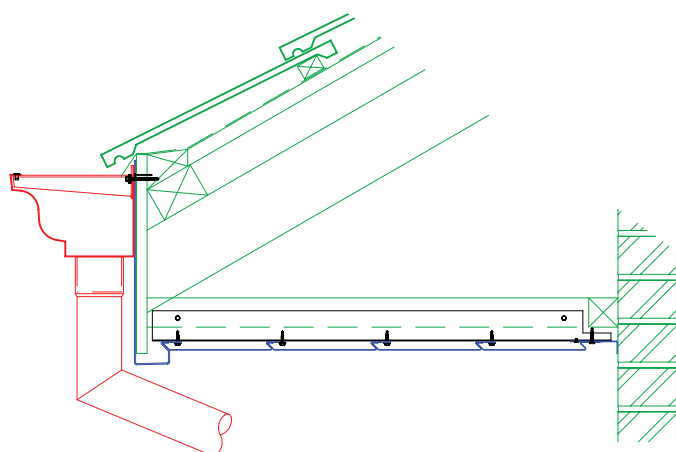
Gutter Configuration

Gutter Configuration : Hidden or Exposed

Gutters have traditionally been exposed and Dales offer a wide range of decorative and functional profiles, which can be used to compliment an exposed gutter configuration. Alternatively a more contemporary appearance can be achieved by utilising a concealed eaves gutter.

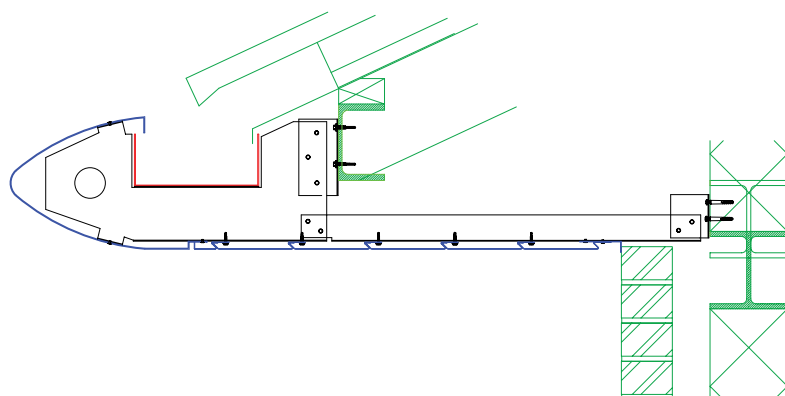


Exposed Gutter Configuration



Hidden Gutter Configuration

Hidden gutter configurations provide a more contemporary appearance to the eaves and allow more imaginative fascia profiles to be used, from simple vertical fascias to trapezoidal, aerofoil and elliptical designs.



DESIGN CONSIDERATIONS

Fascia Profiles



Dales are able to design and manufacture fascia profiles to almost any shape, size or proportion including curved and elliptical designs. As part of our specification service detailed drawings will be prepared which can be inserted directly into your own drawings. All systems are covered by our 25 year guarantee.

Example drawings can be downloaded from www.dales-eaves.co.uk

Whilst all profiles are designed specifically for individual projects a number of typical profiles are indicated below.



Square or Angular Fascias

Whilst relatively simple in design, square and rectangular profiles provide a very pleasing, if more traditional appearance, to the eaves.



Bullnose or Quadrant Fascias

Bullnoses and quadrant fascia profiles offer a more contemporary appearance and are now a very popular selection.



Elliptical Fascia

Elliptical fascias provide a modern and sleek eaves profile whilst keeping the leading edge of the system to a minimum. This can be useful in minimising the appearance of a deep roof construction.

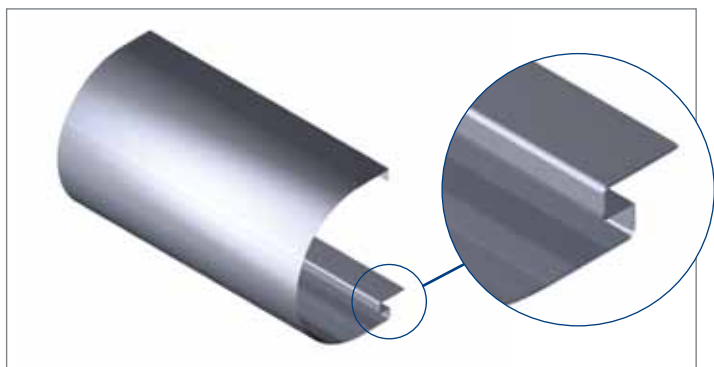


Sigma Fineline Fascias

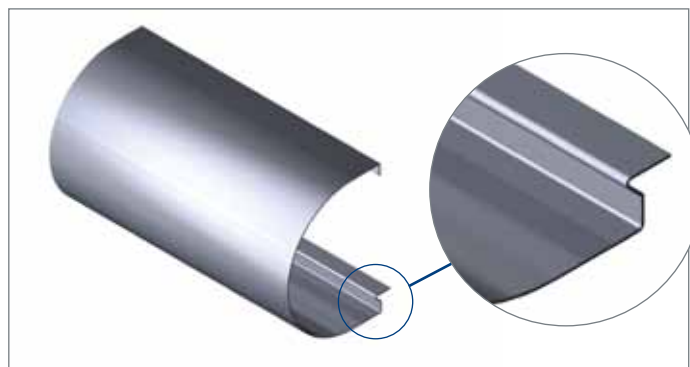
Dales Sigma Fineline is a popular choice for specifiers looking for a low maintenance finish inspired by structural steel beams.

Choice of Soffit Systems

All fascia profiles are available to suit our standard soffit range, details of which are explained overleaf. The detail into which the soffit interlocks is indicated below.



Secret-Fix Fascia toe detail to suit Dales Secret-Fix Interlocking soffit panels



Fascia toe detail to suit Dales Kwik-Fix soffit planks

DESIGN CONSIDERATIONS

Panel Soffits

Soffit Panels

If a more uninterrupted appearance to the soffit is desirable Dales offer two soffit panel options, both systems are available to suit any width of soffit. In addition both systems can be manufactured to suit curved, stepped or sloping soffits as required.

Stepped Interlocking Panels with bullnose fascia and internal gutter system.



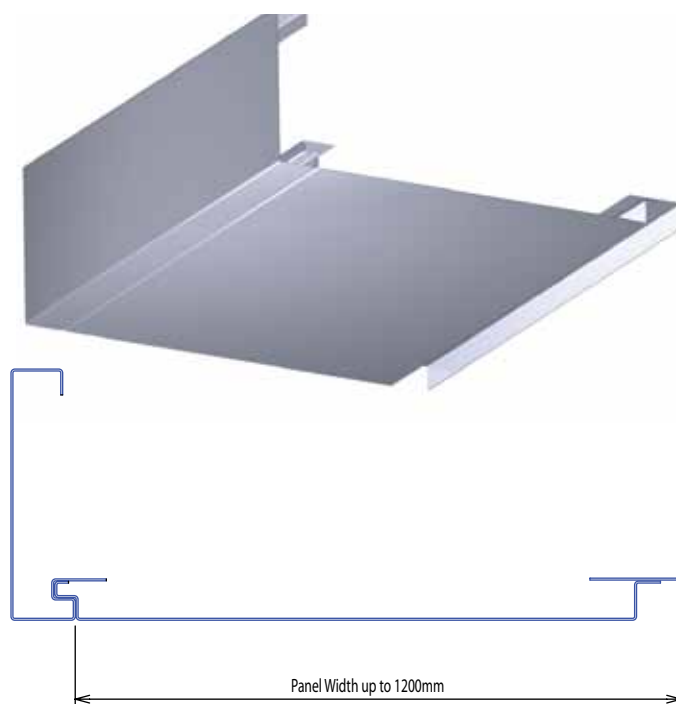
Secret Fix Panels

Dales Secret-Fix Panels eliminate visible fixings with either a flush or recessed panel joint. Joints on the running length are secretly jointed and stiffened offering an uninterrupted line. Joints can be modulated to grid or fenestration lines if required.

Multiple soffit panels of up to 1200mm cover can be combined to cover soffits of significant overhang.

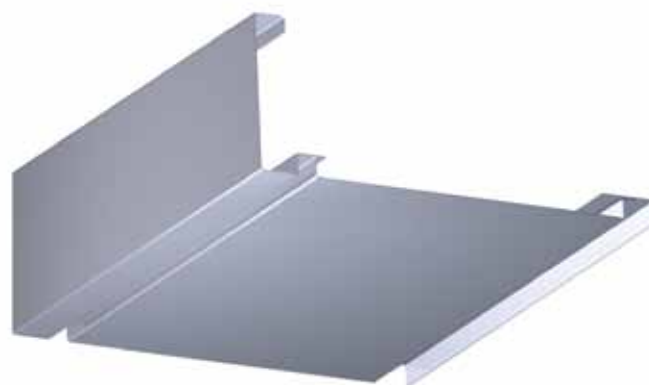
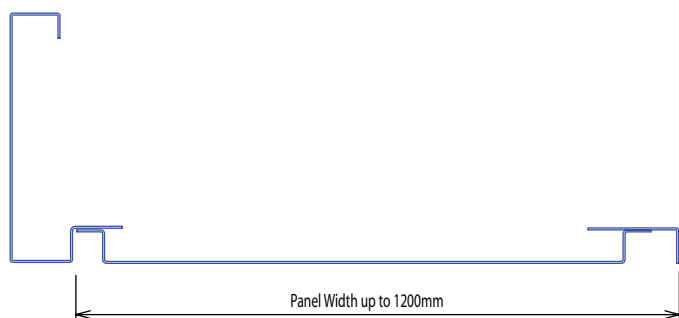
Secret-Fix and standard panels can be adapted to provide hinged access panels for electrical or other access.

When required, pre-cut holes for items such as waste vents can be incorporated into panels to eliminate site cutting. This can also be used with off-site assembly to integrate LED lighting or other components. To discuss specific requirements please contact our Project Management Team on Tel: 0115 930 1521.



Standard Panels

In many cases, particularly where soffits are at more than 2 storeys, the need to eliminate fixings is reduced. Dales standard panel system is an attractive yet practical solution offering a lower cost panel soffit detail where colour matched fixings are obscured from view within the recessed joint. Longitudinal joints in panels are free of visible fixings.



DESIGN CONSIDERATIONS

Planked Soffits

Kwikfix Soffit Planks

Free from both the limitations and relative high cost of similar extrusion based plank systems, Kwikfix Soffit planks are a versatile but attractive secret fix soffit planking system formed from flat sheet aluminium.

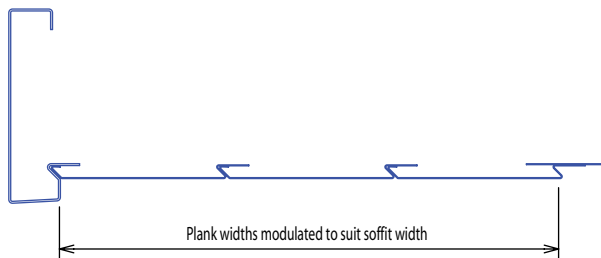
A popular option is to utilise parallel planks to the eaves and perpendicular planks to the verge.



Kwikfix Planks

Plank cover width is usually modulated to suit the soffit overhang for each project. Individual plank cover width can be varied from around 100mm up to 300mm, though 175mm cover is the most widely used.

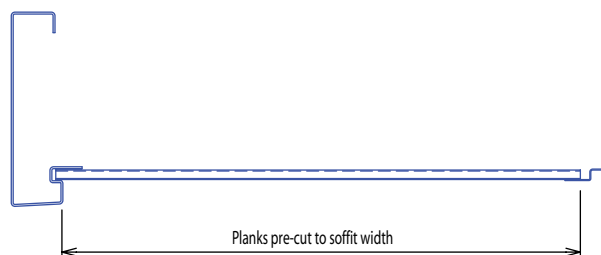
The system will usually allow +/- 20mm tolerance in the soffit width, but this should be discussed with the Project Manager assigned to the project.



Perpendicular Kwikfix Planks

Dales Kwikfix Planks can be orientated perpendicular to the building, providing an aesthetically pleasing alternative to the system indicated above. Planks are supplied pre-cut to suit soffit widths with fascia and closure profiles manufactured to take up normal building tolerances.

Tapered planks can also be utilised to form soffits to curved areas.



DESIGN CONSIDERATIONS

Support Methods

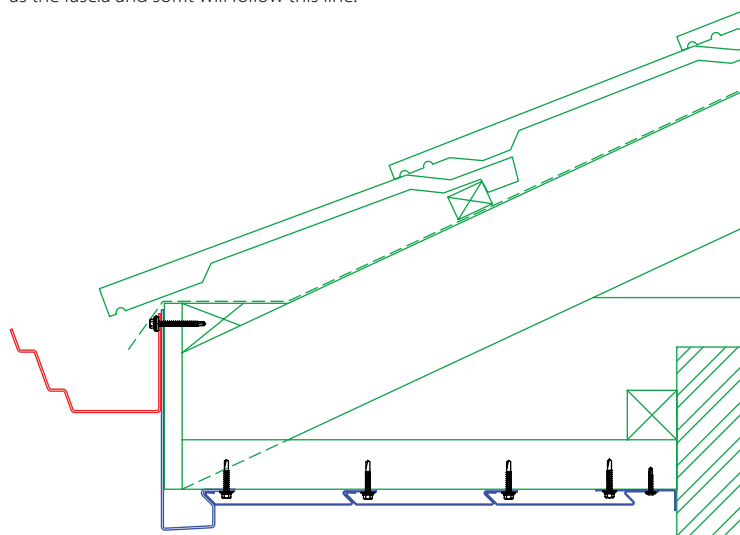
Careful consideration must be given to the method of support for the eaves system. Options range from simple timber sub-structure, supplied by others, through to the Dales Monocoque Support System.

Dales Project Managers can offer advice on the selection of the support system and can be contacted on Tel: 0115 930 1521, alternatively, you may wish to meet with a Technical Manager on site or at your office to discuss your specific requirements in detail.

As part of their design service Dales will prepare details and calculations to ensure that the method of support is optimised for the particular application. Numerous CAD drawings (in both DWG and PDF) with their respective NBS specifications are available for download at www.dales-eaves.co.uk

Timber or steel supports

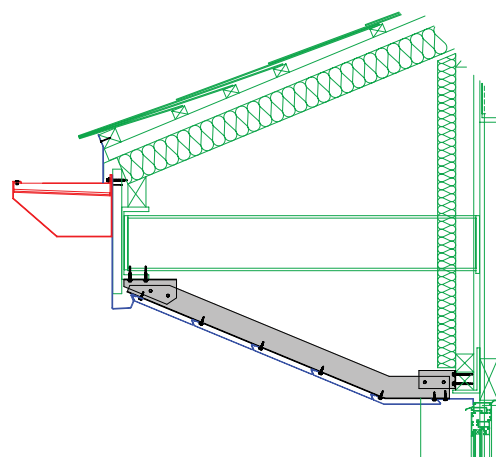
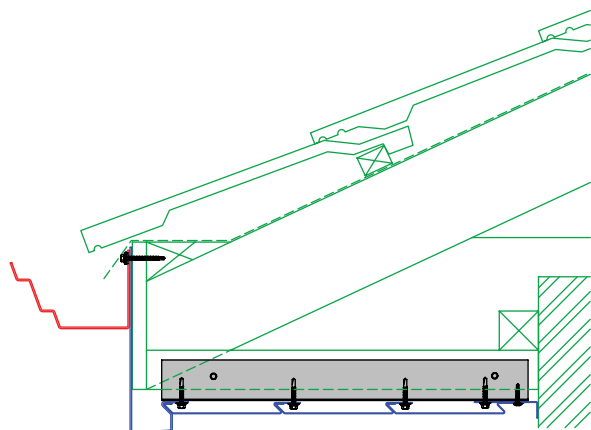
Fascia soffit systems can be fixed directly to timber or steel primary structure, however great care is required to ensure that the line of the structure is to an acceptable level as the fascia and soffit will follow this line.



Even with the greatest of care given during the installation of the primary structure there are difficulties in ensuring a lined and levelled finish as bowing and twisting can occur as the roof is loaded out, ultimately providing an uneven surface onto which the fascia and soffit will be installed. The introduction of a secondary support system can eliminate this ensuring a precise line to the eaves regardless of the accuracy of the primary structure.

Plexus Carcass System

In its simplest form a secondary support system may consist of only one or two pieces of galvanised steel angle, designed to incorporate appropriate tolerances and positioned to provide a straight and level substructure onto which the eaves system can be installed.



DESIGN CONSIDERATIONS

Support Methods



Dales Monocoque Brackets

The Monocoque system reduces the number of individual components making up the support structure, reducing fixing time whilst ensuring an accurately lined and level fascia and soffit installation. Designed specifically for each application the Monocoque system can be used in conjunction with timber, steel or concrete primary structure.

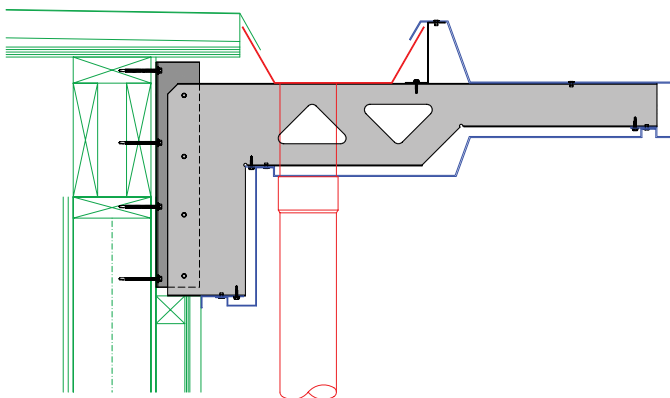
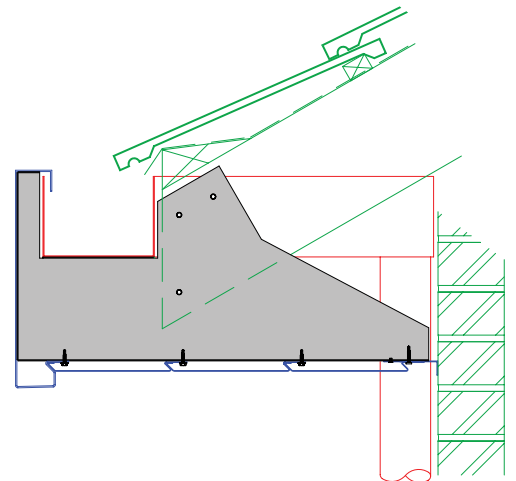


The Dales Monocoque system can often be reduced to a single diaphragm bracket, designed to support the gutter system, whilst providing multiple fixing points for the fascia and soffit components, yet still incorporating allowance for normal building tolerances.

The Dales Monocoque support system minimizes the number of components to support the eaves system, particularly when compared to a timber or metal carcass system. It offers greater strength and is both quicker to fix and align, improving the overall appearance of the completed eaves system.

On substantial design and build projects with requirements for large overhanging eaves, Dales have regularly been able to show substantial savings on installation time and primary structural steel structure through the utilisation of the monocoque bracket system.

To achieve the benefit of such savings, the design and build contractor will need to involve Dales with the design team at the earliest stage. Experienced Technical Managers at Dales can attend design coordination meetings to discuss your eaves system requirements and can be contacted on Tel: 0115 930 1521.



Curves, Ventilation & Other Requirements

Curves

Dales have been designing and curving products since the business was first established back in 1977. Although accuracy and manufacturing equipment has improved dramatically since then, an attention to detail remains crucial to ensure success. Curved eaves systems may be manufactured to a pure radius, whether the fascia is a bullnose or more usual rectangular section. In many instances, a curved front fascia with a faceted soffit can be a (relatively) cost effective and intelligent solution to the curved system requirement.

Curving eaves systems involves a longer manufacturing process that produces more scrap with corresponding increases in costs and lead times.

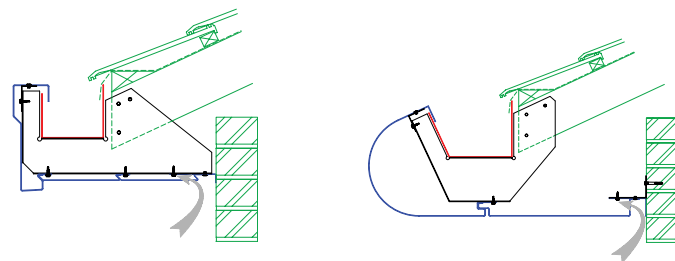
Resting against those drawbacks is the fact that the visual effect of a finished curved system is often quite exceptional and will give the finished project a 'landmark' quality.

Close liaison is always necessary when specifying curved eaves systems and it is recommended that one of our experienced Technical Managers meet with the project design team to discuss the possibilities. Our Technical Managers are available on Tel: 0115 930 1521



Ventilation

Dales invented the ventilated metal fascia soffit, holding a patent for the design for many years. Ventilation equivalent to 10mm or 25mm gap, or even greater can be incorporated into the eaves.



Secret Fix Joints

Whilst fixings at joint locations are positioned to be as unobtrusive as possible, a secret fix joint option is also available. Factory applied jointing strips serve to both stiffen panel and fascia profiles and provide a joint completely free of visible fixings. In addition joints can be modulated with fenestration or grid centres if required.

Access Panels & Off-site Assembly

Both Secret-Fix and standard soffit panels can be adapted to provide large or small hinged access panels for electrical or other access. Access panels can also be provided for planked soffits.

When required, pre-cut holes for items such as waste vents can be incorporated into soffit or fascia panels to eliminate site cutting. This can also be used with off-site assembly to integrate LED or other lighting and other components.

To discuss specific requirements please contact our Project Management Team on Tel: 0115 930 1521.



Fixings

Fixings always present a potential weak link in any system, as such Dales take the process of fixing selection as seriously as the design of the system itself. All fixings have been selected after careful consultation with manufacturers and rigorous testing for both ultimate strengths and potential incompatibility issues. All necessary fixings are supplied as part of the complete package from Dales.

DESIGN CONSIDERATIONS

Finishes



Finishes

There are three main architectural finishes that can be applied to aluminium. These are polyester powder coating, PVF2 and anodising. Details of the colours available for each finish can be found at www.dales-eaves.co.uk

Polyester powder coating (Dales Standard Finish)

Easily the most popular choice for aluminium coating. It offers significant low maintenance life and a wide colour range, including attractive metallic finishes. All polyester powder coating meets or exceeds BS EN12206:2004. For a small size sample of a particular colour for your finishes board, please contact Dales Project Management team on Tel: 0115 930 1521.

Anodised

Anodising is a controlled method of forming a protective layer of oxide to the aluminium products. It requires higher priced grades of aluminium than those used for paint finishes such as polyester powder. Anodising creates a particularly high quality metallic finish with a range of colours available. Anodised finish is particularly suited to coastal installations.

PVF2

Less widely used in the UK than polyester powder coating but is still the preference of some clients and specifiers. PVF2 is a two or three part wet spray coating which is applied after components are manufactured. It does give significant low maintenance life but is generally more expensive than polyester powder coating and can increase lead times.



Mill Finish

Whilst hidden items are generally supplied in mill finished aluminium, Dales do not recommend it as a suitable finish for visible surfaces.

	PPC	PVF2	Anodising
Impact Resistance	Excellent	Good	Excellent
Scratch Resistance	Good	Poor	Excellent
Repair Characteristics	Excellent	Good	None
Available Colour Range	Excellent	Good	Poor
Metallic Finishes	Good	Very Good	Excellent
Guarantee	25 Years	25 Years	25 Years
Cost	Effective	High	High

Durability

Dales systems are designed to give a low maintenance life of 40 years in rural and suburban conditions, 25 years in industrial conditions. For marine environments, the project location and specific requirements should be discussed to assess the best material alloy and surface finish protection.

Loadings

Both gutter and fascia soffit systems are designed to accommodate loadings in excess of those induced when the gutters are operating at full capacity. Snow guards are recommended where sliding snow may cause impact loading in excess of normal design criteria (see BS EN 12056-3 2000). For wind and other specific loadings please contact our Project management team on Tel: 0115 930 1521.

Thermal movement

Dales design all systems to accommodate the extremes of temperature typical in the UK. For projects overseas, please contact our Project Management Team on Tel: 0115 930 1521.

NBS Guidance

The NBS specification clauses within Dales product literature have been compiled in collaboration with NBS Services Ltd using NBS Plus project specifications based on the National Building Specification. The clauses are intended to enable the contractor to clearly identify the product required and the work involved in installation. (The contractor is required to comply with Dales' sitework instructions by NBS Preliminaries clause A33 / 130).

Individual Project Specifications

Any member of Dales Project Management team will be pleased to review any completed NBS clause to ensure compliance with this guidance. Alternatively, we are happy to provide complete NBS specification clauses tailored to suit your individual project requirements. For more information please contact Dales Project Management team on Tel: 0115 930 1521.

NBS Specification Services

NBSPlus

NBS Plus subscribers go to www.nbsplus.co.uk and search for Dales Fabrications under 'The Content' in the 'Manufacturers' drop down menus.

Relevant Sections Within NBS

Dales Eaves Systems should be specified within one of the following two clauses:

For eaves systems combining one of Dales' range of gutters.

R10 : 321 Combined fascia, soffit and gutter

For eaves systems excluding a gutter system.

G20 : 950 Proprietary fascias/barges/soffits

The following draft specification can be inserted under either heading and includes specification information for both planked systems and panel soffit systems which should be deleted as appropriate.

Clauses specifically relating to Planks are shown in blue
whilst clauses relating to panels are shown in red.

• **Manufacturer:**

Dales Fabrications Ltd, Crompton Road Industrial Estate,
Ilkeston, Derbyshire DE7 4BG
Tel: 0115 930 1521.

email: sales@dales-eaves.co.uk website: www.dales-eaves.co.uk

• **Product reference**

[Kwikfix Fascia & Soffit System](#)

[Panel Fascia & Soffit System](#)

• **Material/Grade:**

Fascia & soffit, Aluminium Sheet to EN 485/515/573 : Designation NS3,
Condition H14, supplied by BS EN ISO 9002 registered stockist to
ensure traceability.

Monocoque Bracket to EN10143/Z2: 1993

• **Profile:**

Please specify fascia profile (See page 15 for guidance)

• **Size:**

Fascia depth, mm

Soffit width, mm

• **Gauge:**

[Fascia 2mm \(14 gauge\) Soffit 1.2 mm \(18 gauge\)](#)

[Fascia 2mm \(14 gauge\) Soffit 2mm \(14 gauge\)](#)

• **Finish:**

Fascia Soffit: Architectural Polyester Powder Coating by BS EN ISO 9002
registered applicator. Dales monocoque bracket system: Self Finish .

• **Colour:**

Fascia: RAL.....

Soffit: RAL.....

• **Fixings:**

All fixings to be completely concealed wherever possible, any exposed fixings to
be colour matched. All fixings to be provided by Dales Fabrications Limited.

• **Supports:**

Dales Monocoque Bracket System in pre-galvanised steel at centres
recommended by Dales Fabrications Limited.

• **Ventilation:** (Delete as appropriate)

Preformed ventilation slots equal to a continuous strip mm wide, slots sized
to stop the ingress of nesting, winged insects without the need for backing mesh.

• **Accessories:**

Factory fabricated stopends, internal & external corners, gable box ends, apex
pieces, soffit end closures, mitre cover strips etc. as required.

• **Installation:**

To be fixed in strict accordance with Dales Fabrications fixing instructions. List of
recommended installers available on request.

• **Method of Jointing:**

Fascia: Butt jointed with 3mm expansion gap, secured with 3mm pop rivet
through pre-punched slot into profiled butt strap.
(Standard Fascia Joint - delete as appropriate)

Fascia: Butt jointed with 3mm expansion gap, secured with Dales secret fix
profiled buttstrap and clips. (Secret Fascia Joint - delete as appropriate)

[Soffit: Planks to be butt jointed with 1mm gap. Joints must occur on supports.
All joints to be staggered.](#)

[Soffit: Panels to be butt jointed with 3mm expansion gap, secured with Dales
secret fix profiled buttstrap and clips.](#)



Dales Customer Support Ethic



'One to One' Technical Support & CPD

Dales have an experienced team of technical advisors who can visit site or your premises to discuss individual project requirements.

As part of their ongoing commitment to CPD provision, each technical advisor can organise and present a CPD seminar on various subjects relating to the products that Dales manufacture. For more details or to arrange a seminar contact us on Tel: 0115 930 1521 or email us on sales@dales-eaves.co.uk



Specification Service & Project Managers

We assign an individual Project Manager to each project. The Project Manager will remain the single point of contact throughout the various stages of the project, from initial design to completion.

Relevant criteria, including support methods, material requirements and budget, are established with the specifier.

The Project Manager can prepare CAD drawings, calculations, NBS specifications and quotations, thereby providing a complete specification service.

All our design activities are underwritten by Professional Indemnity Insurance.



In-house Design & Fabrication

Dales' manufacture under the control of ISO 9001: 2015 Design & Manufacture Quality Assurance.



Continuous investment in the latest CAD/CAM technology, manufacturing equipment and training for personnel enables us to maintain the highest standards in customer service and product quality.



Preferred Installer Network

Our network of carefully selected preferred installers are on hand to provide a full supply and fix package. These companies specialise in the installation of our materials and are fixing them on a regular basis.

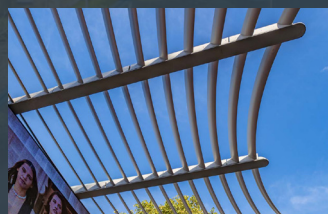




Front cover:
BMW Cheltenham: Complete
Aluminium Eaves System in White

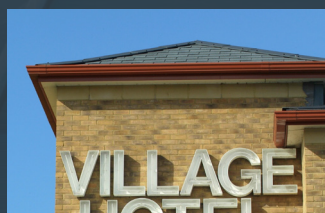
Back cover:
Aviva plc, Victoria Gate, Worthing: Raking Fascia
Soffit in Blue Anodised Aluminium (UA-150-0)

Also available:



Solar shading

Dales design and manufacture aluminium solar shading systems using standard products to create bespoke solutions on an individual project basis.



Rainwater systems

Dales design and manufacture a wide range of rainwater goods that include both standard and bespoke systems. These systems can be integrated into our fascia soffit systems to provide a complete, low maintenance eaves system.



Coping systems

Dales design and manufacture a range of wall capping systems in aluminium which provide an attractive and low maintenance alternative to more traditional stone copings.



Rainscreen cladding

Dales design and manufacture elegant and performance-driven rainscreen solutions.



Dales Fabrications Ltd, Crompton Road, Industrial Estate, Ilkeston, Derbyshire, DE7 4BG
Email: sales@dales-eaves.co.uk Tel: 0115 930 1521 dales-eaves.co.uk

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ISO 9001: 2015
Design & Manufacture