

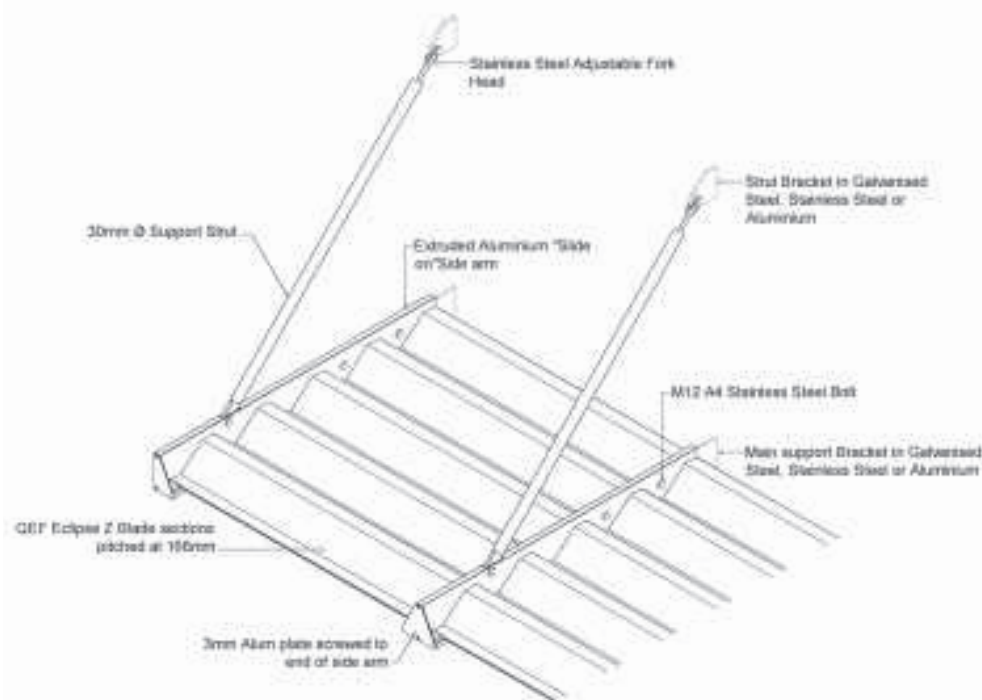
QEF Eclipse Brise Soleil System

Features and Benefits

- The system is designed to offer the architect a cost effective sunscreen which will reduce the solar heat gain entering a building through the glazing, reducing the need for air conditioning with resulting lower energy costs.
- The Eclipse Brise Soleil system affords the architect the opportunity to enhance the external appearance of a building by creating an aesthetically pleasing structural feature on a new or existing buildings for a relatively low capital outlay.
- The system is almost maintenance free as it is manufactured from extruded aluminium components with a polyester powder coat or anodised finish, together with stainless steel fixings throughout.
- The Eclipse system creates a comfortable environment for the building occupants without restricting outward vision or limiting window opening.
- The Eclipse system offers an Architect considerable design flexibility for various application with a variety of blades and nosing profiles available, together with the various support options.



For full Specification please see Eclipse Brise Soleil Data Sheet



QEF Eclipse Brise Soleil System

Introduction

The QEF Eclipse Brise Soleil System is manufactured and designed in Ireland, using proven design concepts to produce a stylish, cost effective range of fixed external sunscreens. The component system design affords ease of installation whilst offering maximum flexibility in architectural design with a range of blade profiles, bullnose and feature rails, support struts and brackets.



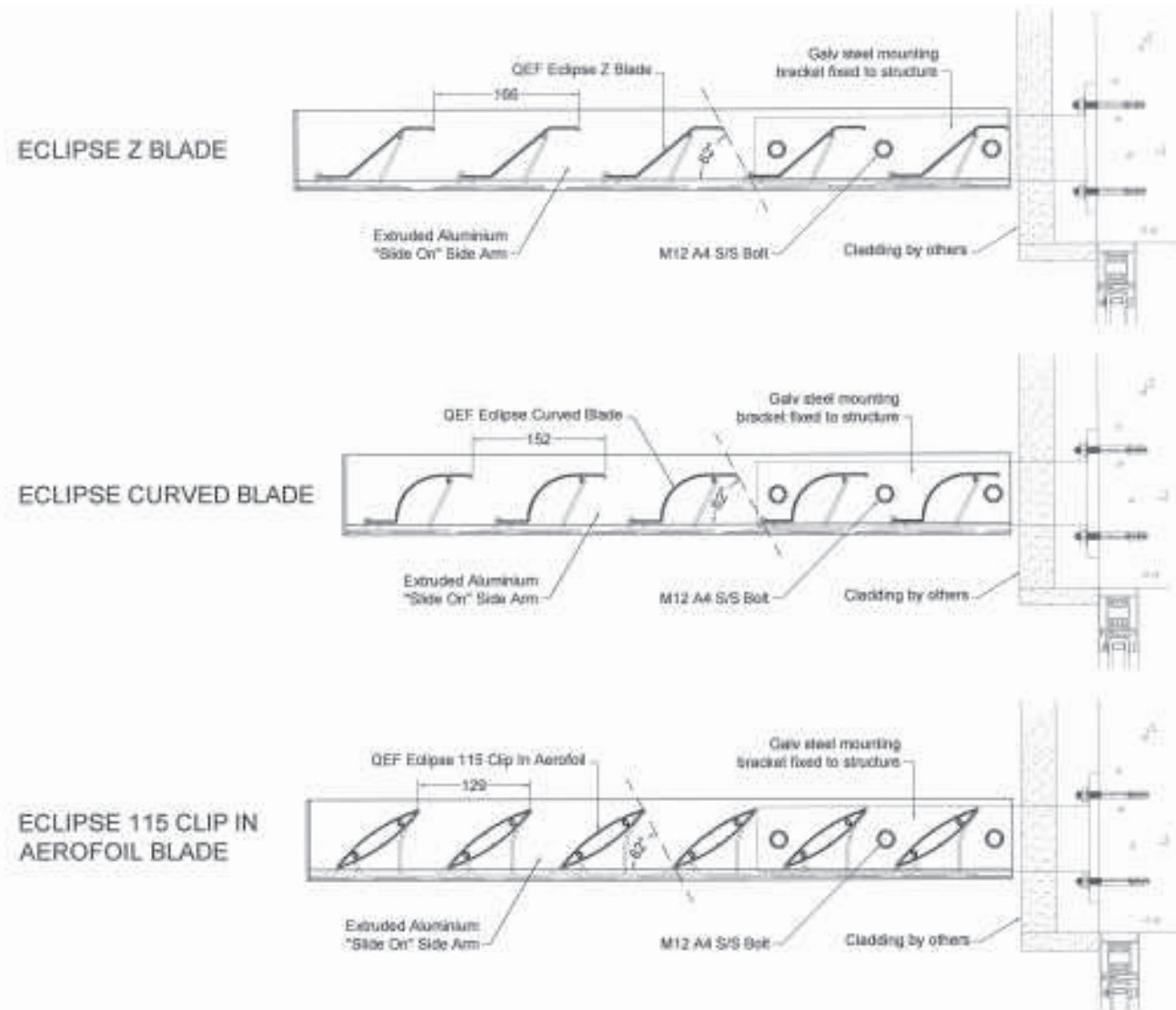
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Installation Options

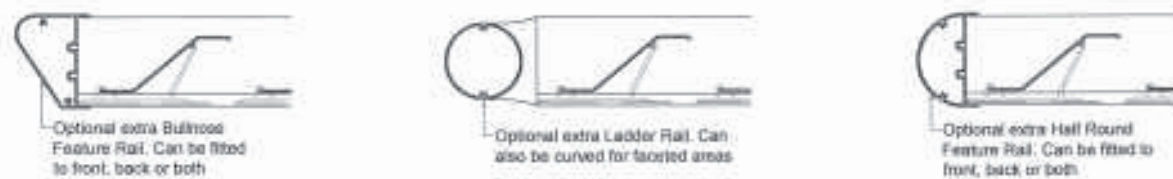
- QEF Eclipse Brise Soleil are typically installed as horizontal panels above windows, or inclined slightly down to increase the area of window shaded.
- Standard installations include: a) Cantilever system- with Eclipse panels supported by brackets from the structure or curtain wall mullions. b) Diagonal Tension/ Compression Strut system- with Eclipse panels additionally supported by adjustable tubular struts situated above or below the brise soleil panels, used for larger projections to reduce the main bracket load. c) Vertical Tension/ Compression Strut system- with Eclipse panels additionally supported by adjustable tubular struts, stainless steel tie bars or cables connected to the building structure.
- Where a building is curved in plan QEF Eclipse Brise Soleil are installed as faceted panels with the option of a curved ladder rail to emphasize the exterior line.
- QEF Eclipse Brise Soleil can be installed as individual panels situated above single windows, as extended runs above a series of windows or as continuous runs following the building plan layout with external/ internal corners as required. Mitred corners require additional diagonal brackets to support the pair of corner panels.

Components

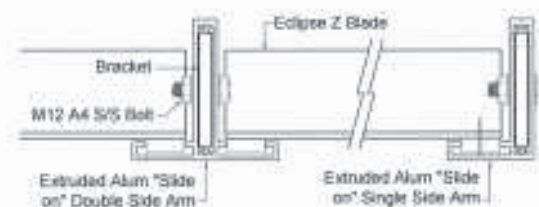
- Brackets: a) Curtain walling type for installation by Glazing Contractor. b) Stainless steel or galvanised steel with PPC finish as required for connection to structure by QEF or main contractor.
- Support arms: Extruded aluminium to slide on to 75x8mm flat brackets. Two side arms are available complete with brise soleil blade clips; Single Side Arm for end panels and Double Side Arm for intermediate panels.
- Brise soleil blades: Three designs are available, Eclipse 'Z' Blade, Eclipse Curved Blade and the Eclipse 115 clip-in aerofoil blade. The Eclipse Structural 'Z' Blade is also available for larger spans.



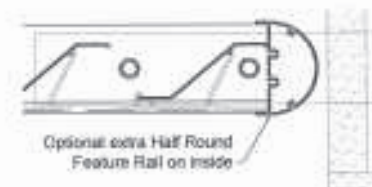
OPTIONAL FRONT DETAILS



SECTION THROUGH SIDE ARMS



OPTIONAL REAR DETAIL



- Feature rails to the front and rear: Three options are available, Bullnose Feature Rail, Half Round Feature Rail and 80mm Ladder Rail. The 80mm Ladder Rail can also be curved for faceted areas.
- Support strut/ tension rods: 30mm extruded aluminium tube c/w adjustable stainless steel forked ends, or 50mm tube for larger strut loads. Tension rods in polished stainless steel or cables c/w adjustable ends.
- All brise soleil components extruded aluminium to BS6063 T6, typically polyester powder coated to RAL or BS4800 colour range, alternative finishes include Decoral "timber effect", anodised or mill finish.