

SKYFOIL LOUVRE SYSTEMS

Product Manual

SF-01
Rev 01
07/2026

SKYFOIL LOUVRE SYSTEMS

Table Of Contents

Technical Information

- Product Technical Statement **SF-03 - SF-06**
- Warranties **SF-07 - SF-08**
- Cleaning & Maintenance **SF-09 - SF-10**

Louvre Overview

- SF Screen Louvres **SF-12**
- SF Airfoil Louvres **SF-13**
- SF-R Rectangular Louvres **SF-14**
- RHS Louvres **SF-15**
- SF Mega & Custom Louvres **SF-16**

Louvre Profiles

- SF Screen Louvres **SF-17**
- SF Airfoil Louvres **SF-18**
- SF-R Rectangular Louvres **SF-19**
- RHS Louvres **SF-20**
- SF Mega & Custom Louvres **SF-21**

SF Louvre System Screen Options

- Sliding **SF-22**
- Operable **SF-23**
- Bi-Fold **SF-24**
- Shroud **SF-25**

Mounting Options

- Louvre Brackets **SF-26**
- Aluminium End Plate **SF-27**
- Aluminium Discrete End Plate **SF-28**
- Spigot **SF-29**
- Operable Louvres **SF-30**

Support Options

- Strongback **SF-31**
- Frame **SF-32**

Typical Installation Details

- Building Bracket Options- Overview **SF-33**
- Direct Fix- Exposed Structure No Cavity **SF-34 - SF-36**
- Indirect Fix- Cavity Fix Pre-Cladding **SF-37 - SF-39**
- Indirect Fix- Cavity Fix Post Cladding **SF-40 - SF-43**

SKYFOIL LOUVRE SYSTEMS

Architectural Aluminium Louvre Systems

Product Description

Designed and manufactured in New Zealand, the Altech Systems

Skyfoil Louvre System is a premium range of architectural aluminium louvre solutions developed for residential, commercial and institutional projects.

The Skyfoil range has been engineered to provide architects and designers with maximum design flexibility while delivering outstanding structural performance, durability and aesthetic appeal. Suitable for both new construction and refurbishment projects, Skyfoil systems can be customised to suit virtually any architectural style or performance requirement.

The system is available in an extensive range of airfoil, rectangular, screen, RHS, Mega and bespoke aluminium profiles, with options for fixed, sliding, operable and bi-fold louvre systems. Louvre spacing, blade angle, support systems and fixing methods can all be customised to suit project-specific requirements.

Typical applications include:

- Solar shading
- Privacy screening
- Architectural facades
- Mechanical plant screening
- Carpark screening Balcony screening
- Feature façades
- Building ventilation
- Decorative architectural elements

Every Skyfoil system is engineered specifically for each project and supported by project-specific Producer Statements (PS1) where required.

Key Features

- Designed and manufactured in New Zealand
- Fully engineered architectural aluminium louvre system
- Wide range of blade profiles including Screen, Airfoil, Rectangular, RHS and Mega Series
- Custom aluminium louvre profiles available for bespoke projects
- Fixed, operable, sliding and bi-fold configurations
- Adjustable blade spacing and blade angles
- Multiple mounting systems to suit project requirements
- Strongback or framed support systems
- Engineered to suit project-specific wind loads
- Suitable for timber, concrete and structural steel construction
- Powder coated or anodised finishes
- Stainless steel fixings throughout
- Compatible with cavity façade construction
- Suitable for coastal, geothermal and industrial environments
- Project specific Producer Statement (PS1 Design) available

Product Range

The Skyfoil range comprises a comprehensive selection of architectural aluminium louvre profiles.

Airfoil Louvres

Designed for shading, privacy, edge protection and feature façades with excellent visual appearance and aerodynamic form.

Available in a range of extruded aluminium profiles to suit varying architectural and structural requirements, including our SF120, SF180, SF200 and SF300. Refer to the section dimensions and span table for product selection.

Rectangular Louvres

Designed for shading, privacy, edge protection and feature façades with excellent visual appearance and aerodynamic form.

SF-R (Rectangular) louvres are available in a range of extruded aluminium profiles and sizes to suit varying architectural and structural requirements, including our SF50-50R up to our SF450-50R in 50mm increments. Refer to the section dimensions and maximum span table for product selection.

Ideal where a modern square-edge appearance is required.

Screen Louvres

Designed for maximum screening and opacity, for instance apartment decks and dividers. These are typically slimmer profiles, and include our SF50-18, SF75-18, SF115-18 and SFU100R

Mega and Custom Louvres

SF Mega & Custom Louvres are large format architectural louvres and completely bespoke extrusion profiles designed for landmark projects and unique architectural requirements.

They are available in a range of extruded aluminium profiles to suit varying architectural and structural requirements.

Industrial Louvres

Designed for industrial applications, such as plantroom or carpark surrounds. Available in a range of sizes including our SF126Z and SF152Z.

System Options

The Skyfoil range offers numerous configuration options including:

- Fixed Louvre Systems: Permanent architectural screening.
- Operable Louvre Systems: Adjustable blades allowing ventilation and solar control.
- Sliding Louvre Systems: Sliding architectural screening panels.
- Bi-fold Louvre Systems: Operable folding screen systems.
- Louvre Shrouds: Purpose-designed shroud systems façade applications.

Mounting & Support Options

Skyfoil systems may be supported using several engineered fixing systems including:

- Louvre mounting brackets
- Continuous aluminium end plates
- Discrete aluminium end plates
- Spigot fixing systems
- Strongback support systems
- Framed support systems
- Custom engineered support structures

Fixing methods are selected to suit project-specific structural requirements and architectural intent.

Scope of Use

The Skyfoil Louvre Series is suitable for a wide range of residential, commercial and public building applications, including:

- Apartments
- Commercial office buildings
- Educational facilities
- Retirement villages
- Healthcare facilities
- Hotels
- Civic buildings
- Industrial buildings
- Mixed-use developments
- Residential homes

Typical applications include:

- External façades
- Sun shading
- Privacy screening
- Ventilation screening
- Mechanical plant enclosures
- Balconies
- Walkways
- Carparks
- Building services screening

Skyfoil systems have been engineered for installation onto timber, structural steel and concrete substrates and are suitable for direct fixing, cavity construction and custom engineered support systems.

The system is suitable for use in all New Zealand wind zones, including Extra High wind zones, subject to project-specific engineering and design

Performance

Each Skyfoil system is individually engineered to meet the structural requirements of the specific project.

Performance characteristics include:

Structural Performance

Designed in accordance with:

- NZS 1170 Structural Design Actions
- AS/NZS 1664 Aluminium Structures

Wind pressures and support centres are determined by project-specific engineering calculations.

Durability

Manufactured using:

- Aluminium extrusions manufactured to AS/NZS 1866
- Aluminium sheet complying with AS/NZS 1734
- 6060 T5 or T6 aluminium alloys
- Stainless steel fixings (Grade 316 where required)

The system is suitable for coastal, geothermal and industrial environments when appropriate finishes and materials are specified.

Serviceability

Maximum blade spans are determined by blade profile, wind zone, support arrangement and project-specific engineering requirements.

Indicative maximum spans are provided within the Skyfoil Product Manual.

Surface Finishes

Available finishes include:

- Dulux Duratec & Duralloy powdercoating
- Anodised aluminium
- Decorative Wooden grain finish

Limitation of Use

All Skyfoil extrusions, brackets, fixings and proprietary components must be supplied by Altech Systems Ltd or its approved distributors.

Installation shall be carried out by Altech Systems approved installers in accordance with current Altech Systems technical documentation.

Any variation from standard installation details or engineering assumptions shall be supported by a project-specific Producer Statement (PS1) prepared by a suitably qualified design professional.

Where wind loads exceed standard design parameters, project-specific engineering shall be undertaken.

Statement of Building Code Compliance

All systems have been designed by a Chartered Engineer and are manufactured in accordance with the relevant sections of the New Zealand Building Code and New Zealand Standards listed below:

New Zealand Building Code

- B1 Structure
- B2 Durability
- E2 External Moisture (where applicable)
- D1 Access Routes (where applicable)
- F2 Hazardous Building Materials
- F4 Safety from Falling (where applicable)

Supporting Standards

- NZS 1170 Structural Design Actions
- AS/NZS 1664 Aluminium Structures
- AS/NZS 1866 Aluminium Extrusions
- AS/NZS 1734 Aluminium Sheet
- AS 3715 Powder Coatings
- WGANZ Anodising Specifications
- Aluminium Design Manual

Warranty

Altech Systems offers the following warranties for Skyfoil Louvre Systems:

- 2-Year Workmanship Warranty
- 5-Year Materials Warranty (excluding surface finishes)
- Surface finish warranties provided by the coating applicator or manufacturer.

Where a premium architectural coating system such as Dulux Duratec, or an equivalent, is specified, warranties of up to 20 years for coating durability and colour retention may be available, subject to the project location, coating specification, environmental conditions, and ongoing maintenance.

Altech Systems recommends the use of Dulux Duratec or an equivalent high-performance architectural coating system to maximise long-term performance and appearance. Warranty availability is subject to the coating manufacturer's terms and maintenance requirements. For full warranty details, please refer to the Altech Systems Louvre Warranty document.

Maintenance

Regular cleaning and maintenance are essential to preserve the appearance, functionality and long-term durability of the Skyfoil® Louvre System.

Recommended maintenance includes:

- Wash powder-coated and anodised aluminium surfaces every six months in normal environments and every three months in coastal environments.
- Regularly remove dirt, salt deposits and other airborne contaminants.
- Periodically inspect fixings, brackets and moving components (where applicable) to ensure they remain secure and operate correctly.
- Repair any damage to protective coatings promptly using approved touch-up products.
- Inspect the system for signs of corrosion, impact damage or excessive wear and address any issues promptly.

Maintenance requirements may vary depending on the installation environment. Failure to carry out the recommended maintenance may reduce the performance and appearance of the product and may affect applicable warranties.

For detailed cleaning procedures, recommended maintenance frequencies, inspection requirements and guidance for powder-coated aluminium, anodised aluminium and stainless steel components, refer to the Altech Systems Care & Maintenance Guide.

In-Service History

Skyfoil Louvre Systems have been installed on commercial and residential developments throughout New Zealand for more than 30 years.

The system has been successfully used across a diverse range of projects, including apartment developments, commercial buildings, education facilities, healthcare projects and high-end residential homes.

Notable projects include:

- Woodside Apartments
- Queens Residences
- Alexandra Park
- Hamilton Jets
- Vulcan Apartments
- Union & Co Apartments

WARRANTY

Skyfoil Series Warranty Statement

Warranty Coverage

Altech Systems Ltd warrants that all Skyfoil Series products and associated workmanship supplied and installed by Altech Systems Ltd, or an authorised Altech dealer, will be free from defects in materials and workmanship when used under normal environmental conditions and maintained in accordance with Altech's recommendations.

Warranty Periods

The following warranty periods apply from the date of practical completion or delivery, as applicable;

Workmanship: Two Years

Materials (excluding surfacing coatings): Five Years*

Surface Coatings: In accordance with the coating manufacturer's warranty (typically 15–25 years for powder-coated finishes).

*Certain hardware components, including hinges, latches, and other accessories, may be subject to separate manufacturer warranty periods.

Product Warranty

Altech Systems Ltd warrants that its products comply with the requirements of the Consumer Guarantees Act 1993 and will be free from manufacturing defects under normal use and service conditions.

All Altech products are supported by a minimum five (5) year product warranty, subject to the terms and conditions of Altech's standard warranty policy in effect at the time of delivery.

This warranty applies only where:

- The products supplied are genuine Altech components.
- Fabrication and installation have been carried out by Altech Systems Ltd or an authorised Altech dealer.
- The products have been used solely for their intended purpose.
- The products have been installed, operated, and maintained in accordance with Altech's recommendations and applicable industry standards.

Exclusions

This warranty does not cover defects, damage, or failures resulting from:

- Fair or unreasonable wear and tear.
- Misuse, abuse, negligence, abnormal or improper operation.
- Unauthorised modification, alteration, or repair.
- Incorrect installation or assembly by parties not authorised by Altech.
- Failure to undertake reasonable inspection and maintenance.
- Failure to carry out recommended maintenance requirements.
- Exposure to abnormal environmental conditions, extreme weather events, natural disasters, or corrosive conditions beyond the product's design specifications.
- Damage caused by impact, vandalism, accident, or other external factors beyond Altech's control.

This warranty expressly excludes any materials, products, or components incorporated into the completed installation that are covered by separate warranties provided by third-party manufacturers or suppliers.

Remedy Under Warranty

Should a defect covered by this warranty arise within the applicable warranty period, Altech Systems Ltd reserves the right, at its sole discretion, to repair or replace the defective product or component at no cost to the purchaser.

Altech's liability under this warranty is strictly limited to the repair or replacement of the defective product and does not extend beyond the original purchase value of the affected product.

Limitation of Liability

To the fullest extent permitted by law, Altech Systems Ltd shall not be liable for any indirect, incidental, special, or consequential loss or damage arising from the use of, or inability to use, the product. This includes, but is not limited to:

- Loss of profits or business interruption.
- Damage to other property.
- Costs associated with removal, reinstallation, or access equipment.
- Claims by third parties.

Nothing in this warranty excludes or limits any rights or remedies available under the Consumer Guarantees Act 1993 where such rights cannot lawfully be excluded.

Purchaser Responsibilities

To make a valid warranty claim, the purchaser must provide evidence demonstrating that:

- The defect or damage has resulted from a fault in materials or workmanship.
- The product has been used solely for its intended purpose.
- All recommended inspection, cleaning, and maintenance requirements have been carried out.
- They are the original purchaser, or otherwise entitled to make a claim under this warranty.
- The warranty claim is submitted within the applicable warranty period.

Altech Systems Ltd reserves the right to inspect the product and request supporting documentation before determining the validity of any warranty claim.

CARE AND MAINTENANCE GUIDE

Balustrades & Fences | Louvres | Screens & Architectural Aluminium | Canopies & Awnings

Thank you for choosing Altech Systems

Your Altech Systems product has been designed and manufactured to provide many years of reliable performance. Regular cleaning and maintenance are essential to preserving its appearance, functionality and long-term durability

Maintenance Responsibility

Unless expressly stated otherwise in writing, the ongoing care and maintenance of your Altech Systems product is the responsibility of the property owner.

Failure to carry out the recommended maintenance procedures may affect the appearance and performance of the product and may invalidate applicable warranties.

Altech Systems products are primarily manufactured from:

- Powder-coated aluminium
- Anodised aluminium
- Stainless steel fixings and hardware
- Toughened or laminated architectural glass (where applicable)

These materials offer excellent durability and corrosion resistance; however, they require routine cleaning and maintenance to ensure they continue to perform as intended throughout their service life.

Why Maintenance Matters

Environmental contaminants such as:

- Salt spray
- Airborne dust
- Industrial pollutants
- Tree sap
- Bird droppings
- Fertilisers

- Building residue

can accumulate on aluminium, glass and stainless steel surfaces over time. Regular cleaning removes these contaminants before they can affect the finish.

Recommended Cleaning Schedule

Environment	Cleaning Frequency
Interior applications	Every 6–12 months
Rural	Every 6 months
Urban	Every 3 months
Coastal (within 1km of the sea)	Monthly fresh water rinse, plus full clean every 3 months
Industrial / High pollution	Every 1–3 months

Products installed in harsh coastal or industrial environments require more frequent maintenance.

Aluminium Components

Powdercoated Aluminium

Powder-coated aluminium should be thoroughly washed using warm water and a mild pH-neutral detergent (such as dishwashing liquid).

Cleaning Frequency

- Every 6 months in normal environments.
- Every 3 months in coastal environments.

Cleaning Procedure

- Rinse loose dirt with fresh water.
- Wash using a soft cloth or sponge and warm soapy water.
- Rinse thoroughly with clean water.
- Dry with a clean microfibre cloth where practical.

Repairs

If chips or scratches are observed in the powder-coated finish, they should be repaired promptly using an approved touch-up paint or spray kit. These are available from Altech Systems or your local powder coating supplier.

Please note that some colours, particularly darker reds, blues and other deep shades may experience greater levels of colour fading over time due to UV exposure.

Anodised Aluminium

Anodised aluminium should also be cleaned using warm water and a mild detergent.

Cleaning Frequency

- Every 6 months in standard environments.
- Every 3 months in coastal environments.

Avoid abrasive cleaners, steel wool or aggressive chemicals which may damage the anodised finish.

Glass

Glass panels should be cleaned using warm soapy water or a quality glass cleaner.

Cleaning Frequency

- Every 6 months in standard environments.
- Every 3 months in coastal environments.

Use only soft cloths or squeegees and avoid abrasive pads or blades that may scratch the glass surface

Stainless Steel Components

Stainless steel fixings and fittings should be washed during routine cleaning of the aluminium system.

In coastal or marine environments, ensure all salt deposits are regularly removed by rinsing thoroughly with fresh water.

If tea staining or surface corrosion is observed, clean the area using an appropriate stainless steel cleaner before rinsing thoroughly.

Inspection & General Maintenance

During routine maintenance, inspect your Altech Systems product for:

- Loose fixings
- Damaged seals or gaskets
- Blocked drainage holes
- Chips or scratches in the finish
- Signs of impact damage
- Smooth operation of moving parts (where applicable)

Any issues should be addressed promptly to prevent further deterioration.

Signs of Corrosion

Any unusual corrosion or surface deterioration may first appear as a white, powdery residue or "chalking" on the aluminium surface.

1. Thoroughly clean the affected area.
2. Apply a light protective corrosion inhibitor such as a CRC® corrosion protection spray or an equivalent product.
3. Monitor the area during future maintenance.

If the chalking is significant, persists after treatment, or if corrosion continues to develop, please contact Altech Systems for further advice.

Cleaning Products to Avoid

To protect your Altech Systems products, never use:

- Abrasive cleaners
- Steel wool
- Scouring pads
- Bleach
- Acidic or alkaline cleaners
- Solvent-based cleaners (unless specifically recommended)
- High-pressure water directly onto seals, joints or moving components

Warranty

Regular maintenance forms an important part of the ongoing care of your Altech Systems products.

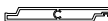
Failure to carry out the maintenance outlined in this guide may reduce the performance and appearance of the product and may affect warranty coverage.



Technical Specification

Skyfoil Series

SF SCREEN LOUVRES- OVERVIEW

PRODUCT CODE		MAXIMUM SPAN BY WIND ZONE (m)					APPLICATION TYPE					MOUNTING / SUPPORT		TYPICAL APPLICATIONS						
		Low	Medium	High	Very High	Extra High	Fixed	Sliding	Operable	Bi-fold	Shroud	Fixed support combinations	Screen support combinations	Sun shading	Privacy screening	Balconies	Walkways	Façade feature / windows	Industrial screening	
SF50/18R		1.8	1.8	1.6	1.4	1.3						LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Bi-fold: LM 2 + MS 2							
SF75/18R		1.8	1.8	1.6	1.4	1.3						LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Bi-fold: LM 2 + MS 2							
SF115/18R		1.8	1.8	1.6	1.4	1.3						LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2							
SFU100R		1.8	1.8	1.6	1.4	1.3						LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2							
 Available  N/A  Contact Altech																				

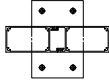
LOUVRE MOUNTING OPTIONS



LM 1- Louvre Bracket



LM 2-End Plate



LM 3- Discrete End Plate



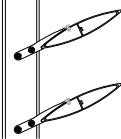
LM 4- Spigot



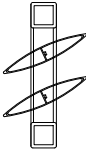
LM 5- Operable

Refer to pages SF-26 to SF-30 Louvre Mounting Options for more details

LOUVRE MOUNTING SUPPORT OPTIONS



MS 1- Strongback

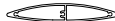


MS 2- Frame

Refer to pages SF-31 & SF-32 Louvre Mounting Support Options for more details



SF AIRFOIL LOUVRES- OVERVIEW

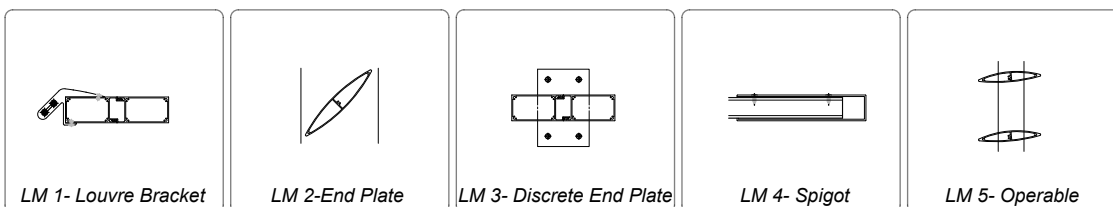
PRODUCT CODE		MAXIMUM SPAN BY WIND ZONE (m)					APPLICATION TYPE					MOUNTING / SUPPORT		TYPICAL APPLICATIONS						
		Low	Medium	High	Very High	Extra High	Fixed	Sliding	Operable	Bi-fold	Shroud	Fixed support combinations	Screen support combinations	Sun shading	Privacy screening	Balconies	Walkways	Façade feature / windows	Industrial screening	
SF120		2.2	2.0	1.8	1.7	1.6	●	●	●	●	—	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2	●	●	●	●	—	—	
SF180		2.8	2.6	2.4	2.2	2.0	●	●	●	●	—	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2	●	●	●	●	—	—	
SF200		3.0	2.8	2.6	2.4	2.2	●	●	●	●	—	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2	●	●	●	●	—	—	
SF300		3.6	3.4	3.2	3.0	2.8	●	●	●	●	—	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2	●	●	●	●	—	—	

● Available

— N/A

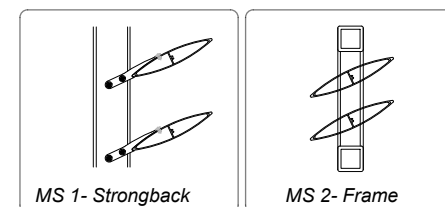
C Contact Altech

LOUVRE MOUNTING OPTIONS



Refer to pages SF-26 to SF-30 Louvre Mounting Options for more details

LOUVRE MOUNTING SUPPORT OPTIONS



Refer to pages SF-31 & SF-32 Louvre Mounting Support Options for more details



Skyfoil Louvre System

Technical Manual

REV: 01

E: info@altech.co.nz

SF-13

SF-R (RECTANGULAR) LOUVRES- OVERVIEW

PRODUCT CODE	MAXIMUM SPAN BY WIND ZONE (m)					APPLICATION TYPE					MOUNTING / SUPPORT		TYPICAL APPLICATIONS					
	Low	Medium	High	Very High	Extra High	Fixed	Sliding	Operable	Bi-fold	Shroud	Fixed support combinations	Screen support combinations	Sun shading	Privacy screening	Balconies	Walkways	Façade feature / windows	Industrial screening
SF120-50R 	3.2	3.2	3.2	3.2	3.2	●	●	●	●	●	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2 Shroud: LM 2 + MS 2	●	●	●	●	●	—
SF300-50R 	3.2	3.2	2.7	1.5	2.0	●	●	●	C	●	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: Contact Altech Shroud: LM 2 + MS 2	●	●	●	●	●	—
SF180-30R 	2.2	2.0	1.8	1.7	1.6	●	●	●	●	●	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2 Shroud: LM 2 + MS 2	●	●	●	●	—	—
SF200-50R TP 	3.2	3.2	2.7	1.5	2.0	●	●	●	●	●	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2 Shroud: LM 2 + MS 2	●	●	●	●	—	—
SF200-50R M 	3.2	3.2	2.7	1.5	2.0	●	●	●	●	●	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2 Shroud: LM 2 + MS 2	●	●	●	●	—	—
SF400-50R 	2.2	2.0	1.8	1.7	1.6	●	●	C	C	●	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: Contact Altech Bi-fold: Contact Altech Shroud: LM 2 + MS 2	●	●	●	●	—	—

● Available — N/A C Contact Altech

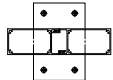
LOUVRE MOUNTING OPTIONS



LM 1- Louvre Bracket



LM 2-End Plate



LM 3- Discrete End Plate



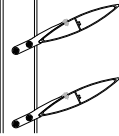
LM 4- Spigot



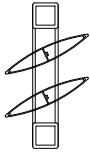
LM 5- Operable

Refer to pages SF-26 to SF-30 Louvre Mounting Options for more details

LOUVRE MOUNTING SUPPORT OPTIONS



MS 1- Strongback



MS 2- Frame

Refer to pages SF-31 & SF-32 Louvre Mounting Support Options for more details



RHS LOUVRES- OVERVIEW

PRODUCT CODE		MAXIMUM SPAN BY WIND ZONE (m)					APPLICATION TYPE					MOUNTING / SUPPORT		TYPICAL APPLICATIONS						
		Low	Medium	High	Very High	Extra High	Fixed	Sliding	Operable	Bi-fold	Shroud	Fixed support combinations	Screen support combinations	Sun shading	Privacy screening	Balconies	Walkways	Façade feature / windows	Industrial screening	
50-50R		3.1	3.1	2.6	1.4	1.3						LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: Contact Altech Shroud: LM 2 + MS 2							
75-50R		3.1	3.1	3.1	3.1	3.1						LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Bi-fold: Contact Altech Shroud: LM 2 + MS 2							
100-50R		3.1	3.1	3.1	3.1	1.8						LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2 Shroud: LM 2 + MS 2							
150-50R		3.1	3.1	3.1	2.7	1.6						LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2 Shroud: LM 2 + MS 2							
200-50R		3.1	3.1	2.7	2.3	2.0						LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2 Shroud: LM 2 + MS 2							
250-50R		3.1	3.1	2.6	2.1	1.8				C		LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2 Shroud: LM 2 + MS 2							
300-50R		3.1	3.1	2.6	2.1	1.8				C		LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: Contact Altech Shroud: LM 2 + MS 2							
100-25R		1.8	1.8	1.6	1.4	1.3						LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	Sliding: LM 2 + MS 2 Operable: LM 5 + MS 2 Bi-fold: LM 2 + MS 2 Shroud: LM 2 + MS 2							

● Available — N/A C Contact Altech

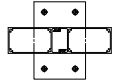
LOUVRE MOUNTING OPTIONS



LM 1- Louvre Bracket



LM 2-End Plate



LM 3- Discrete End Plate



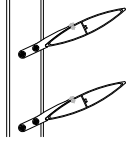
LM 4- Spigot



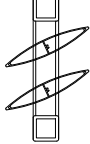
LM 5- Operable

Refer to pages SF-26 to SF-30 Louvre Mounting Options for more details

LOUVRE MOUNTING SUPPORT OPTIONS



MS 1- Strongback



MS 2- Frame

Refer to pages SF-31 & SF-32 Louvre Mounting Support Options for more details



SF MEGA & CUSTOM LOUVRES- OVERVIEW

PRODUCT CODE		MAXIMUM SPAN BY WIND ZONE (m)					APPLICATION TYPE					MOUNTING / SUPPORT		TYPICAL APPLICATIONS						
		Low	Medium	High	Very High	Extra High	Fixed	Sliding	Operable	Bi-fold	Shroud	Fixed support combinations	Screen support combinations	Sun shading	Privacy screening	Balconies	Walkways	Façade feature / windows	Industrial screening	
SF450		C	C	C	C	C	●	C	C	C	C	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	C	●	●	●	●	—	—	
SF600-50R		C	C	C	C	C	●	C	C	C	C	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	C	●	●	●	●	—	—	
Custom profile		C	C	C	C	C	●	C	C	C	C	LM 1 + MS 1 LM 2 + MS 1 LM 3 + MS 1 LM 4 + MS 1	C	●	●	●	●	—	—	

●

 Available

—

 N/A

C

 Contact Altech

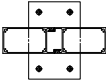
LOUVRE MOUNTING OPTIONS



LM 1- Louvre Bracket



LM 2-End Plate



LM 3- Discrete End Plate



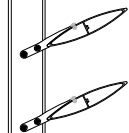
LM 4- Spigot



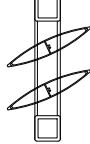
LM 5- Operable

Refer to pages SF-26 to SF-30 Louvre Mounting Options for more details

LOUVRE MOUNTING SUPPORT OPTIONS



MS 1- Strongback



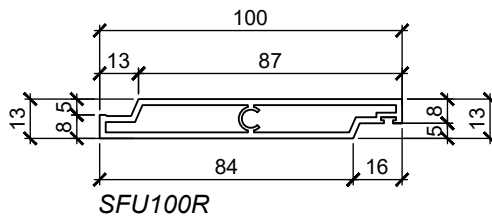
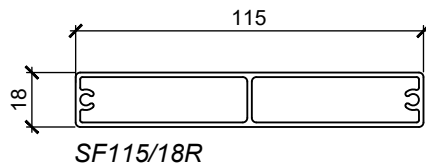
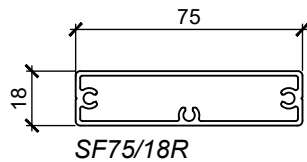
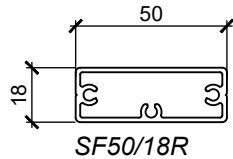
MS 2- Frame

Refer to pages SF-31 & SF-32 Louvre Mounting Support Options for more details



SF SCREEN LOUVRES- PROFILES

Skyfoil Screen Louvres are available in a range of extruded aluminium profiles to suit varying architectural and structural requirements. Refer to the section dimensions and maximum span table for product selection.



Maximum Louvre Span (m)

Wind Zone	SF50/18R	SF75/18R	SF115/18R	SFU100R
Low (32m/s)	1.8	1.8	1.8	1.8
Medium (37m/s)	1.8	1.8	1.8	1.8
High (44m/s)	1.6	1.6	1.6	1.6
Very High (50m/s)	1.4	1.4	1.4	1.4
Extra High (55m/s)	1.3	1.3	1.3	1.3

Indicative spans based on serviceability criteria. Final spans are subject to project-specific engineering and fixing configuration.



Skyfoil Louvre System

Technical Manual

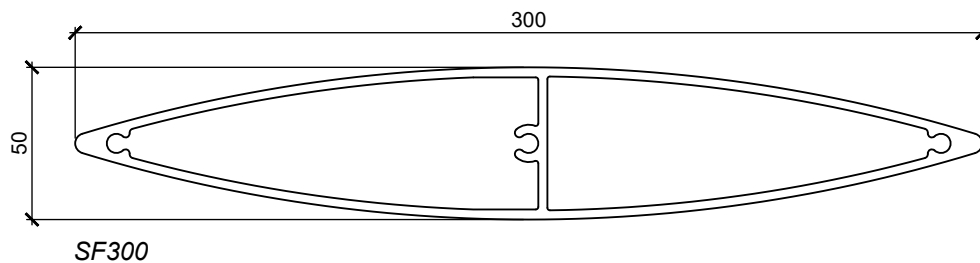
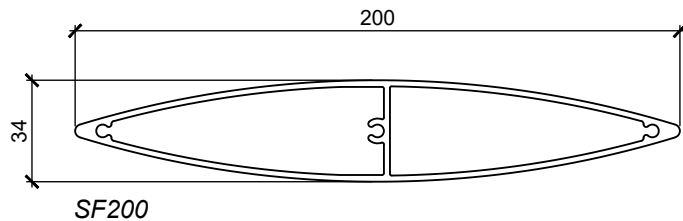
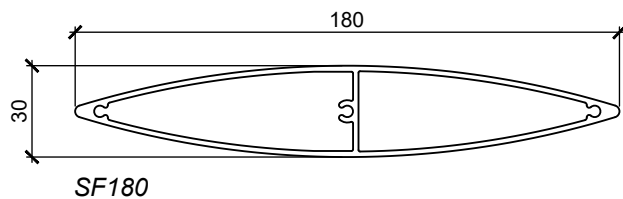
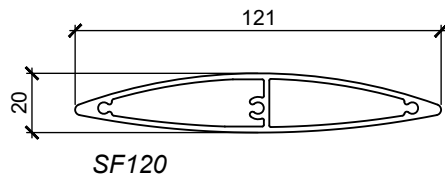
REV: 01

E: info@altech.co.nz

SF-17

SF AIRFOIL LOUVRES- PROFILES

SF Airfoil Louvres are available in a range of extruded aluminium profiles to suit varying architectural and structural requirements. Refer to the section dimensions and maximum span table for product selection.



Maximum Louvre Span (m)				
Wind Zone	SF120	SF180	SF200	SF300
Low (32m/s)	2.2	2.8	3.0	3.6
Medium (37m/s)	2.0	2.6	2.8	3.4
High (44m/s)	1.8	2.4	2.6	3.2
Very High (50m/s)	1.7	2.2	2.4	3.0
Extra High (55m/s)	1.6	2.0	2.2	2.8

Indicative spans based on serviceability criteria. Final spans are subject to project-specific engineering and fixing configuration.



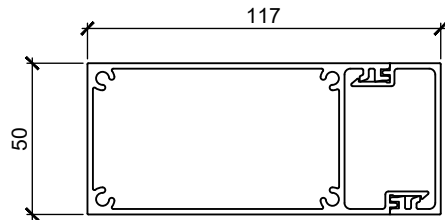
Skyfoil Louvre System

Technical Manual REV: 01

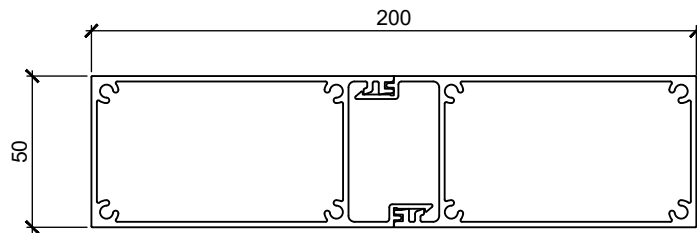
E: info@altech.co.nz SF-18

SF-R (RECTANGULAR) LOUVRES- PROFILES

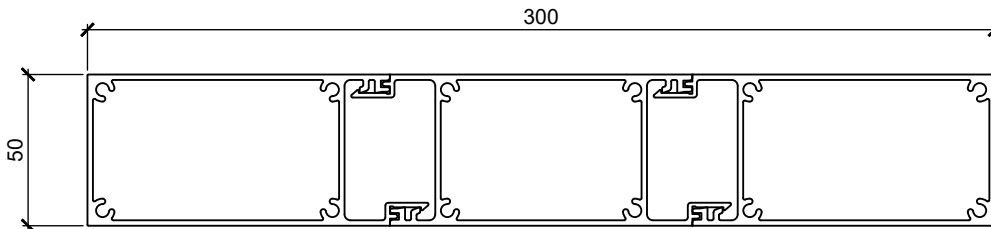
SF-R (RECTANGULAR) Louvres are available in a range of extruded aluminium profiles to suit varying architectural and structural requirements. Refer to the section dimensions and maximum span table for product selection.



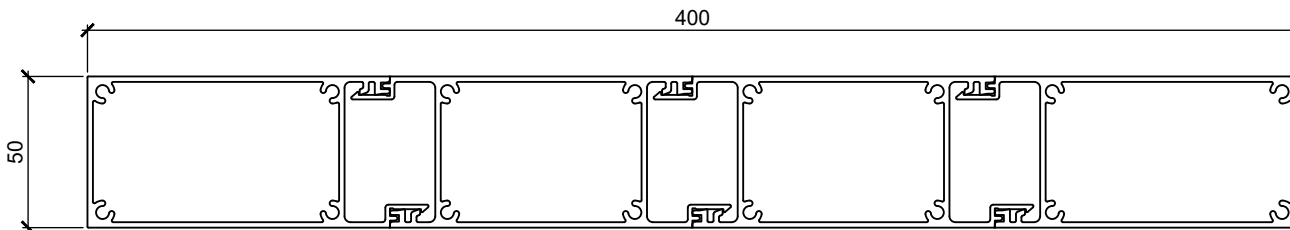
SF120-50R



SF200-50R TP



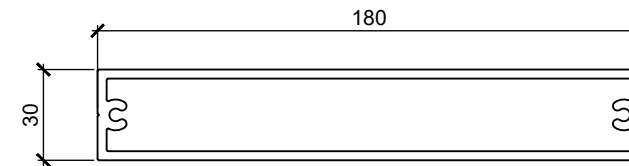
SF300-50R



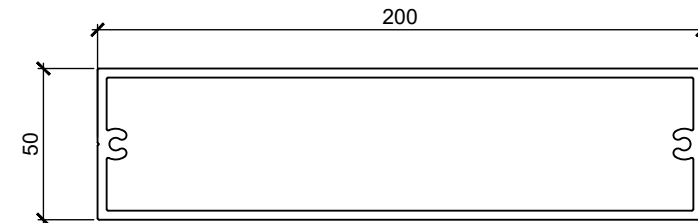
SF400-50R

Maximum Louvre Span (m)				
Wind Zone	SF120-50R	SF180-50R	SF200-50R	SF300-50R
Low (32m/s)	3.2	3.2	3.2	3.2
Medium (37m/s)	3.2	3.2	3.2	3.2
High (44m/s)	3.2	3.2	3.2	2.7
Very High (50m/s)	3.2	3.2	2.7	1.5
Extra High (55m/s)	3.2	2.7	2.4	1.95

Indicative spans based on serviceability criteria. Final spans are subject to project-specific engineering and fixing configuration.



SF180-30R



SF200-50R M



Skyfoil Louvre System

Technical Manual

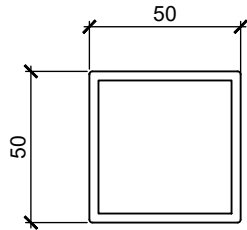
REV: 01

E: info@altech.co.nz

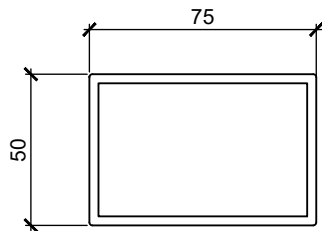
SF-19

RHS LOUVRES- PROFILES

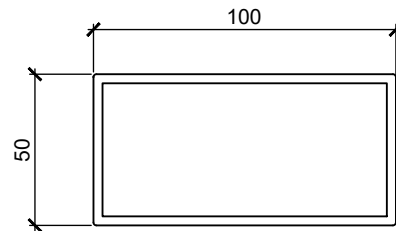
RHS Louvres are available in a range of extruded aluminium profiles to suit varying architectural and structural requirements. Refer to the section dimensions and maximum span table for product selection.



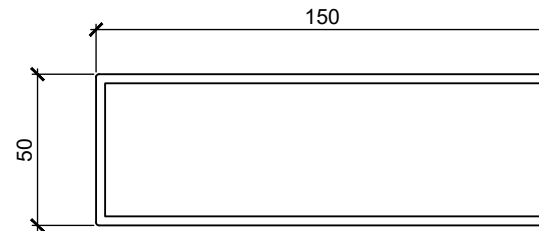
50-50R



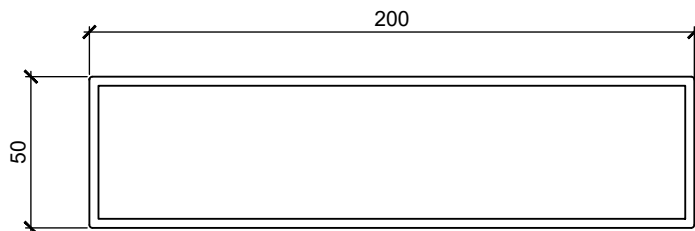
75-50R



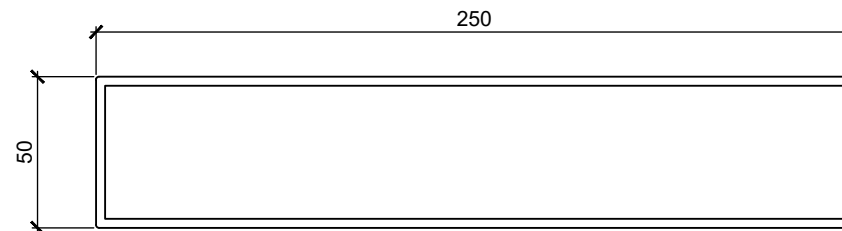
100-50R



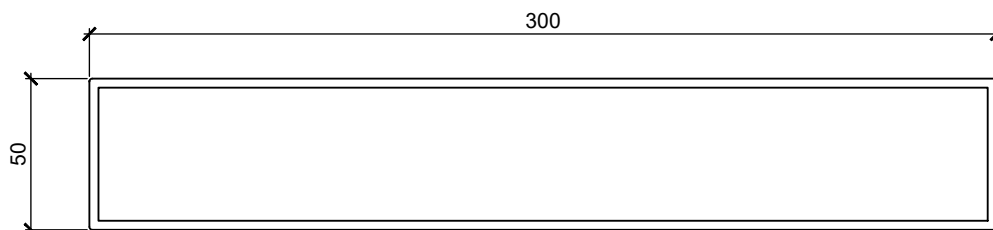
150-50R



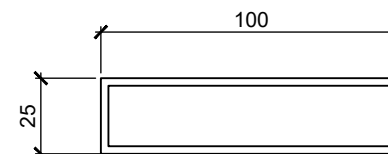
200-50R G



250-50R



300-50R



100-25R

Maximum Louvre Span (m)

Wind Zone	50-50R	75-50R	100-50R	150-50R	200-50R	250-50R	300-50R	100-25R
Low (32m/s)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	1.8
Medium (37m/s)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	1.8
High (44m/s)	2.6	3.1	3.1	3.1	2.7	2.6	2.6	1.6
Very High (50m/s)	1.4	3.1	3.1	2.7	2.3	2.1	2.1	1.4
Extra High (55m/s)	1.3	3.1	1.8	1.6	1.95	1.8	1.8	1.3

Indicative spans based on serviceability criteria. Final spans are subject to project-specific engineering and fixing configuration.



Skyfoil Louvre System

Technical Manual

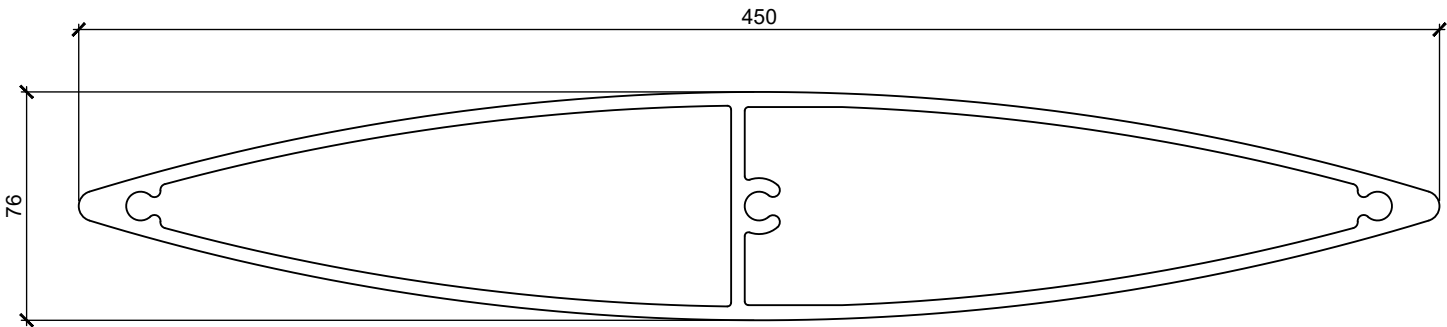
REV: 01

E: info@altech.co.nz

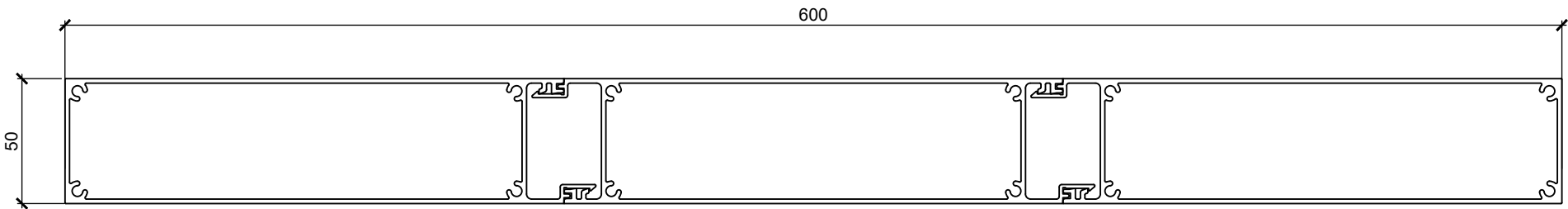
SF-20

SF MEGA & CUSTOM LOUVRES- PROFILES

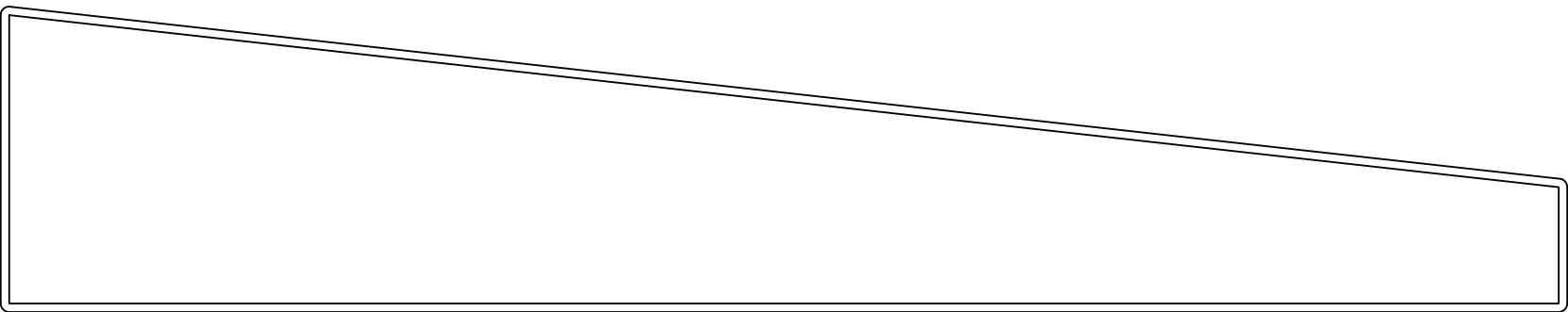
SF Mega & Custom Louvres are available in a range of extruded aluminium profiles to suit varying architectural and structural requirements. Refer to the section dimensions and maximum span table for product selection.



SF450 (other options available)



SF600-50R (other options available)



Custom- Design your own profile

Maximum Louvre Span (m)

Wind Zone	SF LOUVRE MEGA & CUSTOM
Low (32m/s)	Contact AS
Medium (37m/s)	Contact AS
High (44m/s)	Contact AS
Very High (50m/s)	Contact AS
Extra High (55m/s)	Contact AS

Indicative spans based on serviceability criteria.
Final spans are subject to project-specific engineering and fixing configuration.



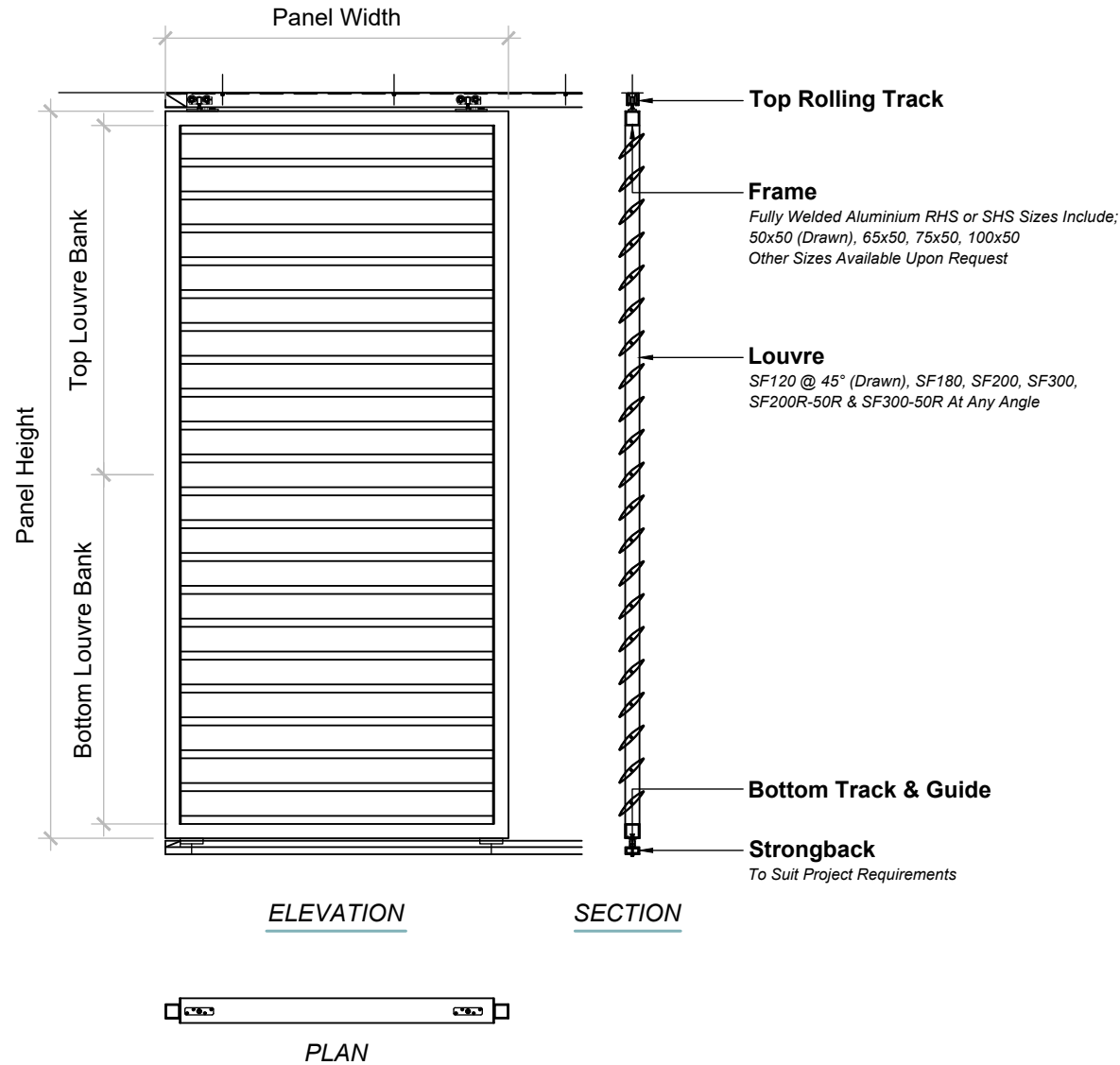
Skyfoil Louvre System

Technical Manual REV: 01

E: info@altech.co.nz SF-21

SCREEN LOUVRE OPTIONS - SLIDING

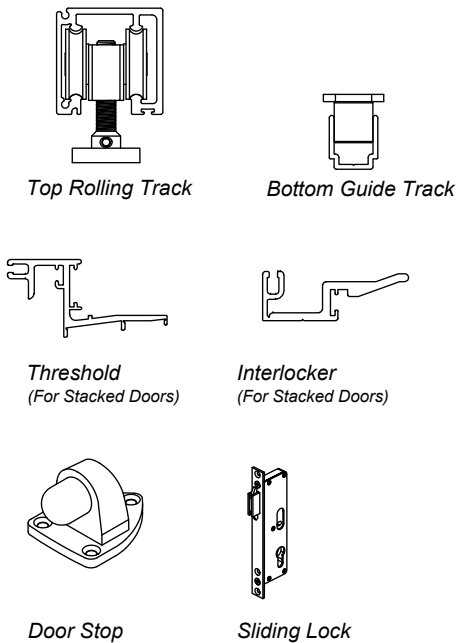
Note: Sliding & Operable Options Can Be Combined



HARDWARE

All hardware shall be of premium architectural grade, suitable for the intended application, with corrosion resistance and durability appropriate for the project environment. Finish and performance shall be in accordance with the project specifications and approved sample

Components & Accessories



Skyfoil Louvre System

Technical Manual

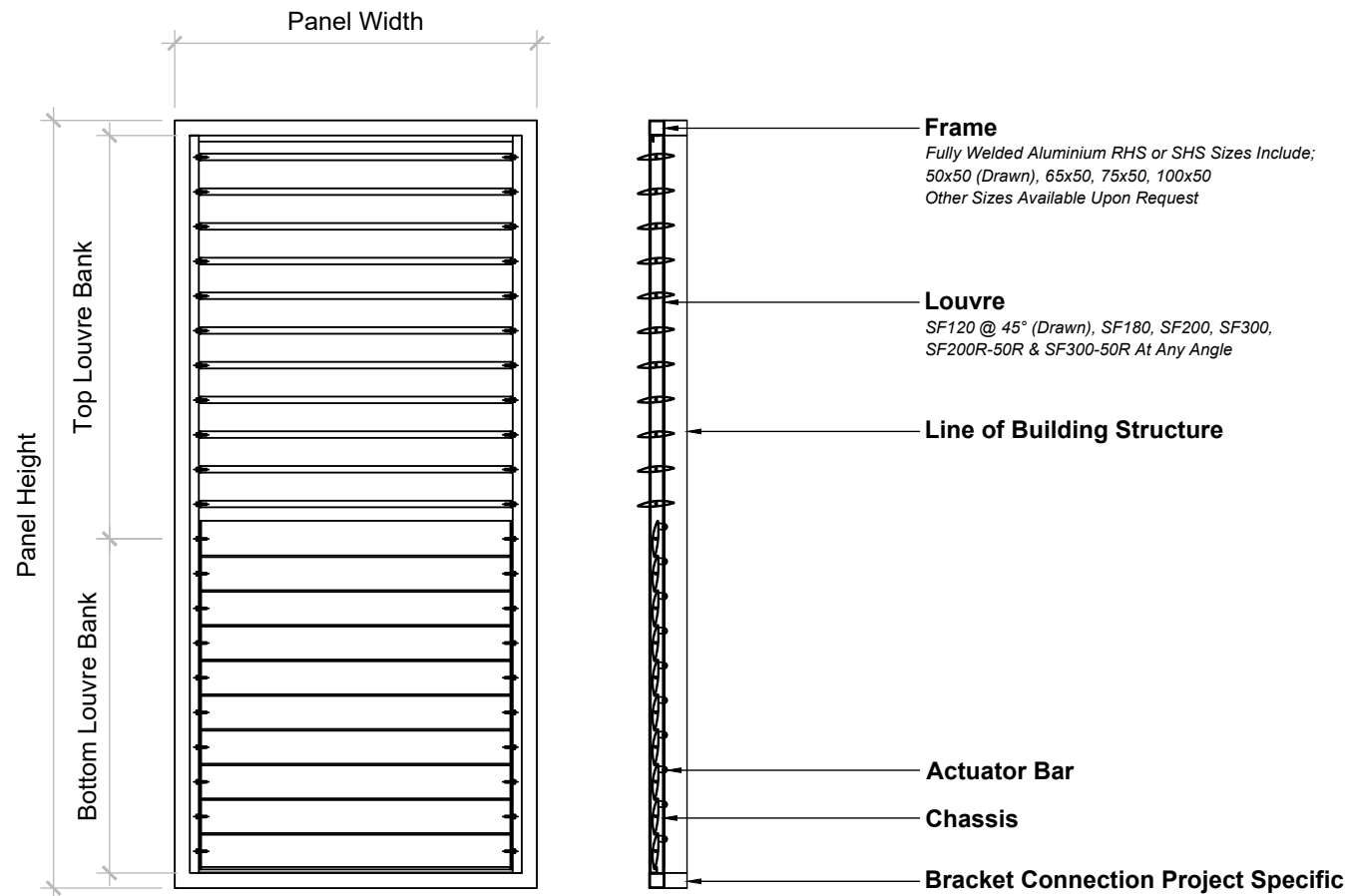
REV: 01

E: info@altech.co.nz

SF-22

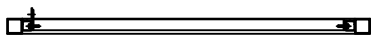
SCREEN LOUVRE OPTIONS - OPERABLE

Note: Sliding & Operable Options Can Be Combined



ELEVATION

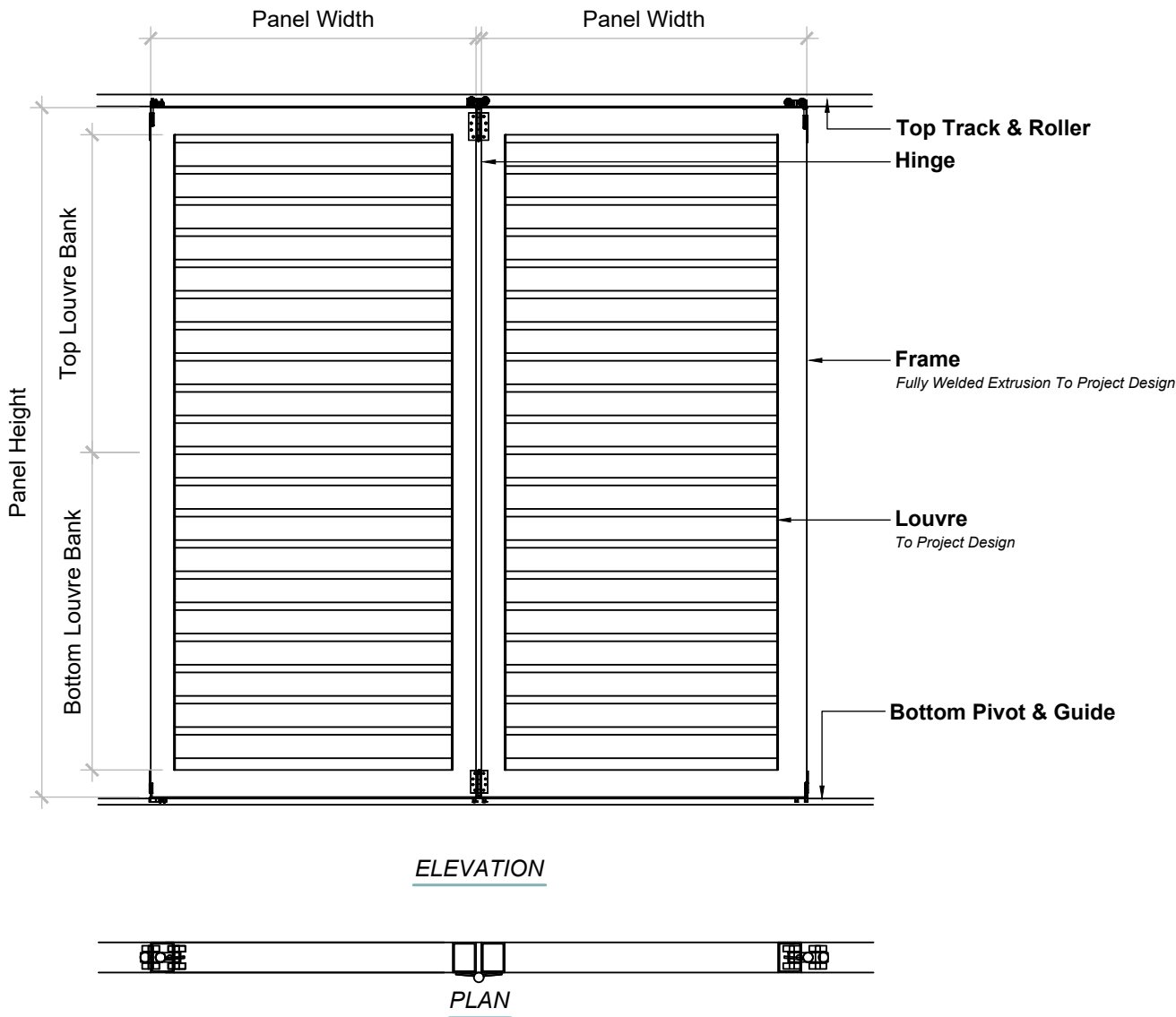
SECTION



PLAN

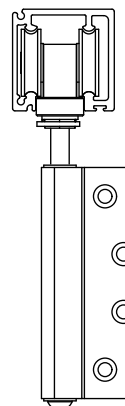


SCREEN LOUVRE OPTIONS - BI-FOLD

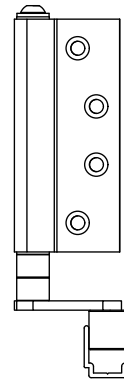


HARDWARE

All hardware shall be of premium architectural grade, suitable for the intended application, with corrosion resistance and durability appropriate for the project environment. Finish and performance shall be in accordance with the project specifications and approved samples



Top Track, Roller & Pivot Hinge



Guide Track & Pivot Hinge



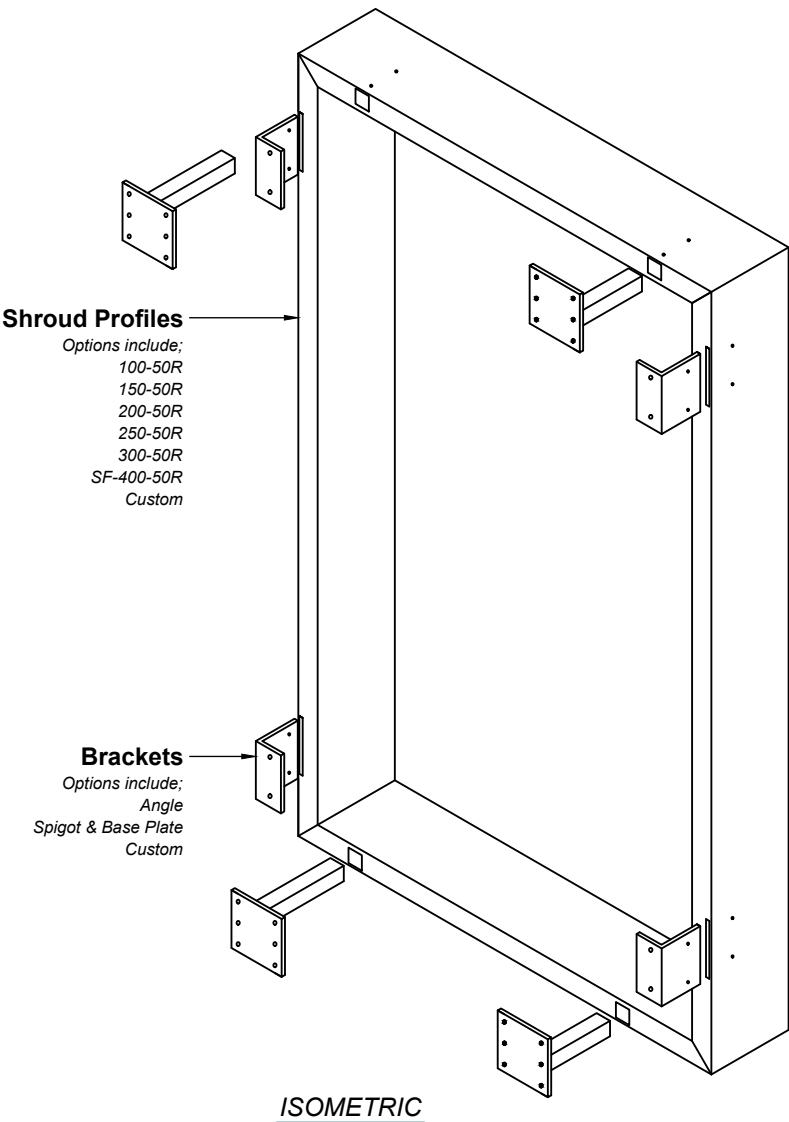
Skyfoil Louvre System

Technical Manual REV: 01

E: info@altech.co.nz SF-24

SCREEN LOUVRE OPTIONS - SHROUD

Note: Custom Options Also Available



Maximum Bracket Ctrs (m)						
Wind Zone	100-50R	150-50R	200-50R	250-50R	300-50R	Custom
Low (32m/s)	2.0	2.0	2.0	2.0	2.0	Contact AS
Medium (37m/s)	2.0	2.0	2.0	2.0	2.0	Contact AS
High (44m/s)	2.0	2.0	2.0	1.8	1.7	Contact AS
Very High (50m/s)	2.0	2.0	1.8	1.5	1.4	Contact AS
Extra High (55m/s)	2.0	1.8	1.6	1.3	1.2	Contact AS

Indicative spans based on serviceability criteria. Final spans are subject to project-specific engineering and fixing configuration.



Photo: Custom Design with Integrated Airfoil Louvres



Skyfoil Louvre System

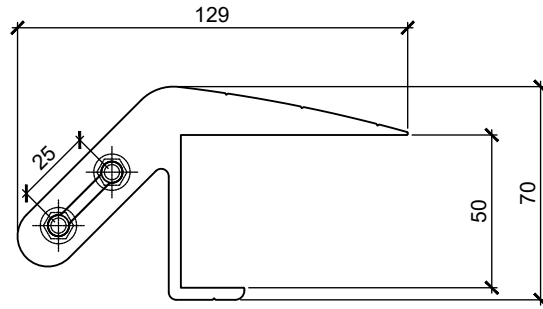
Technical Manual REV: 01

E: info@altech.co.nz SF-25

LOUVRE MOUNTING OPTIONS

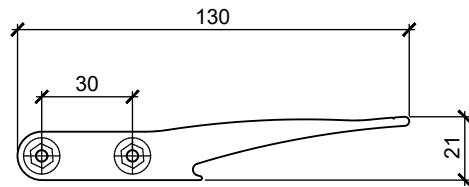
LM 1; Louvre Brackets

Spacing, angle & louvre can vary to suit project requirements



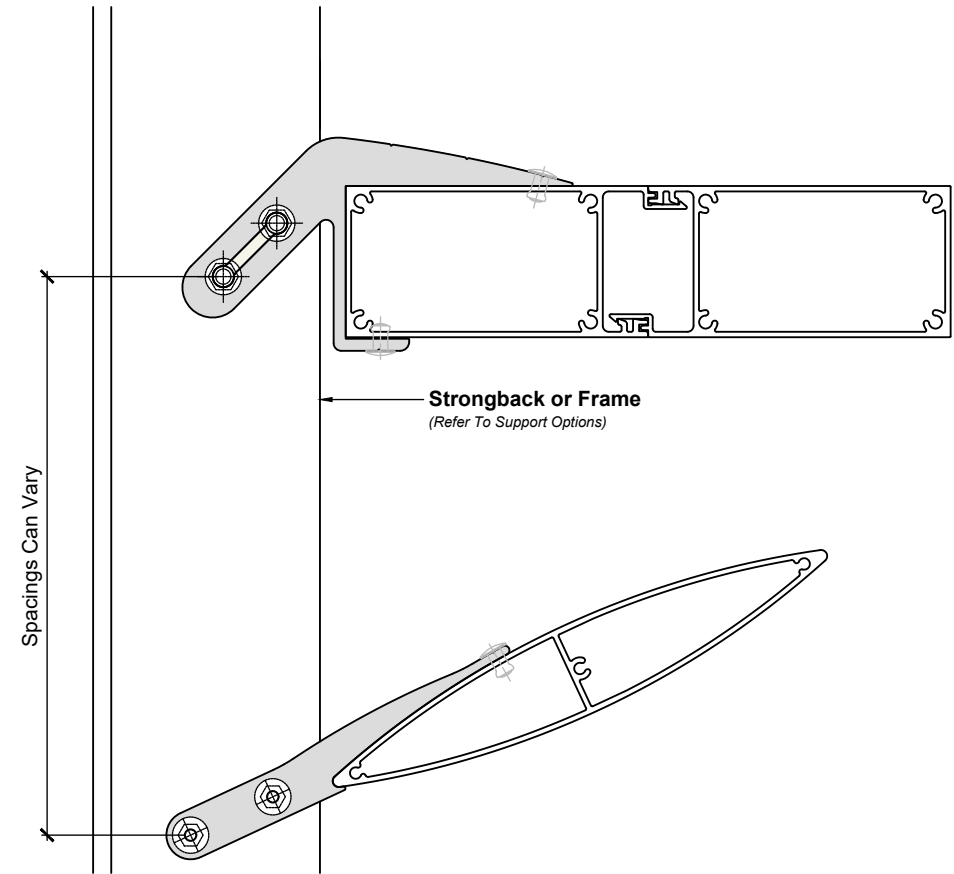
Bracket 1: For SF-R Louvres

Spacings, Angle & Thickness can vary to suit project requirements



Bracket 2: For SF Airfoil Louvres

Spacings, Angle & Thickness can vary to suit project requirements



SECTION VIEW

GENERAL NOTES

- Skyfoil SF is a range of Architectural Louvres. They can offer sun and wind protection, privacy or form an attractive building element.
- Skyfoil SF can offer fall protection upon request
- Skyfoil SF is available in operable and sliding options (refer separate details)
- Skyfoil SF is available in a wide range of different Louvres profiles
- Skyfoil SF can be set up with different spacing's and angles
- Standard finish is anodised or powdercoated

DESIGN NOTES

- Refer to drawings below for fixing or attachment designs
- For wind pressures over 3kPa (ULS) or louvres over 300mm wide; refer to AS



Skyfoil Louvre System

Technical Manual

REV: 01

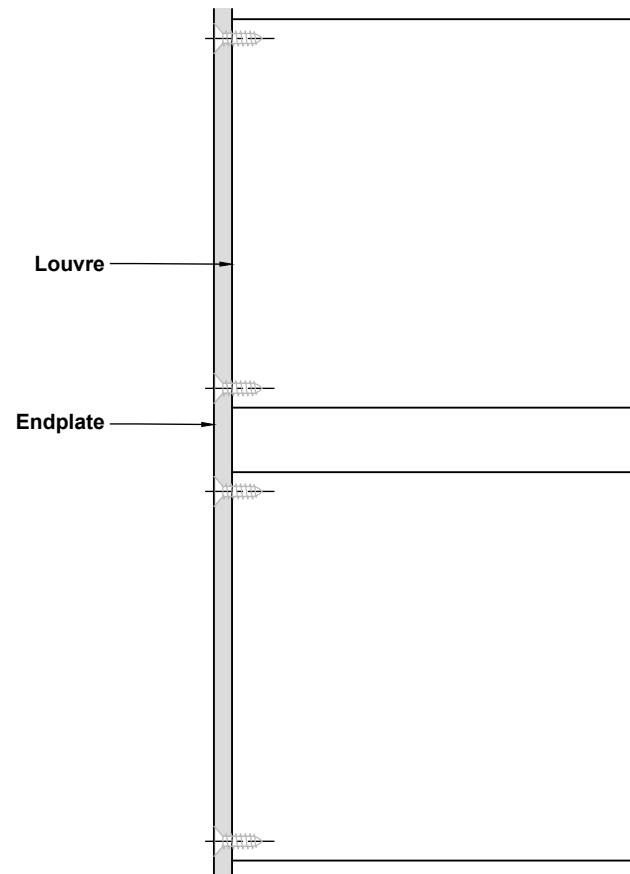
E: info@altech.co.nz

SF-26

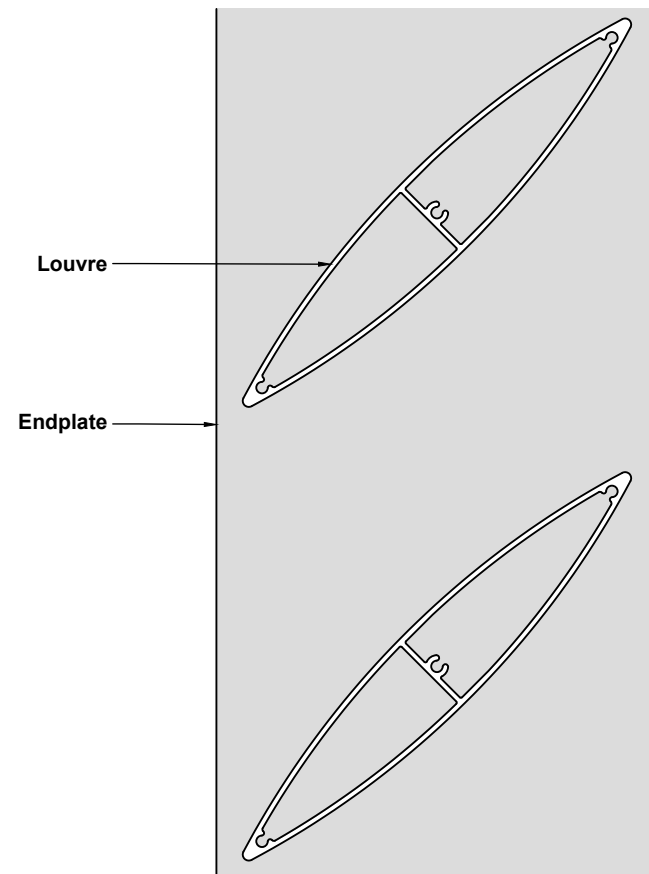
LOUVRE MOUNTING OPTIONS

LM 2; Aluminium End Plate

Spacing, angle & louvre can vary to suit project requirements



ELEVATION VIEW



SECTION VIEW

GENERAL NOTES

- Skyfoil SF is a range of Architectural Louvres. They can offer sun and wind protection, privacy or form an attractive building element.
- Skyfoil SF can offer fall protection upon request
- Skyfoil SF is available in operable and sliding options (refer separate details)
- Skyfoil SF is available in a wide range of different Louvres profiles
- Skyfoil SF can be set up with different spacing's and angles
- Standard finish is anodised or powdercoated

DESIGN NOTES

- Refer to drawings below for fixing or attachment designs
- For wind pressures over 3kPa (ULS) or louvres over 300mm wide; refer to AS



Skyfoil Louvre System

Technical Manual

REV: 01

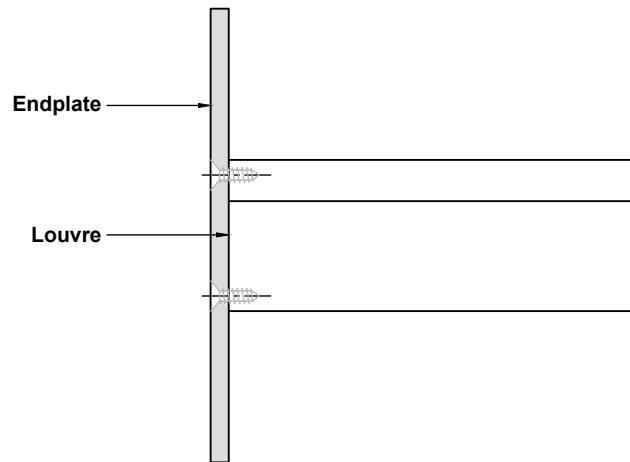
E: info@altech.co.nz

SF-27

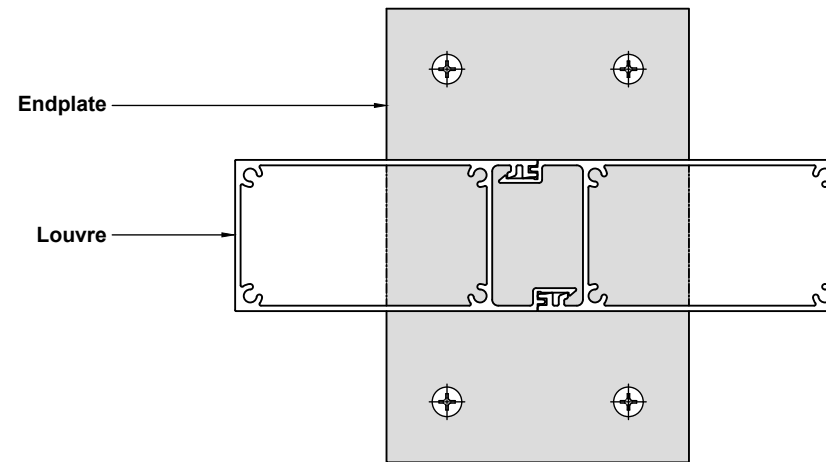
LOUVRE MOUNTING OPTIONS

LM 3; Aluminium Discrete End Plate

Spacing, angle & louvre can vary to suit project requirements



ELEVATION VIEW



SECTION VIEW

GENERAL NOTES

- Skyfoil SF is a range of Architectural Louvres. They can offer sun and wind protection, privacy or form an attractive building element.
- Skyfoil SF can offer fall protection upon request
- Skyfoil SF is available in operable and sliding options (refer separate details)
- Skyfoil SF is available in a wide range of different Louvres profiles
- Skyfoil SF can be set up with different spacing's and angles
- Standard finish is anodised or powdercoated

DESIGN NOTES

- Refer to drawings below for fixing or attachment designs
- For wind pressures over 3kPa (ULS) or louvres over 300mm wide; refer to AS



Skyfoil Louvre System

Technical Manual

REV: 01

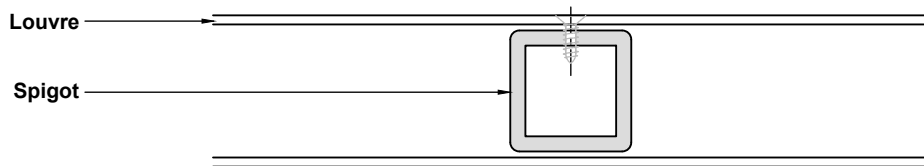
E: info@altech.co.nz

SF-28

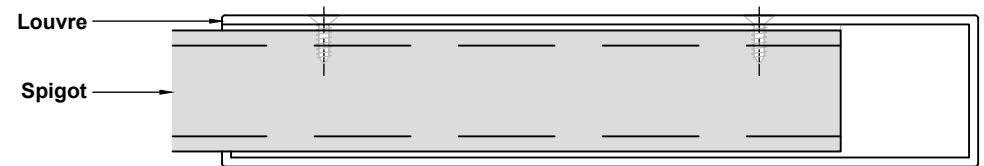
LOUVRE MOUNTING OPTIONS

LM 4; Spigot

Spacing, angle & louvre can vary to suit project requirements



ELEVATION VIEW



SECTION VIEW

GENERAL NOTES

- Skyfoil SF is a range of Architectural Louvres. They can offer sun and wind protection, privacy or form an attractive building element.
- Skyfoil SF can offer fall protection upon request
- Skyfoil SF is available in operable and sliding options (refer separate details)
- Skyfoil SF is available in a wide range of different Louvres profiles
- Skyfoil SF can be set up with different spacing's and angles
- Standard finish is anodised or powdercoated

DESIGN NOTES

- Refer to drawings below for fixing or attachment designs
- For wind pressures over 3kPa (ULS) or louvres over 300mm wide; refer to AS



Skyfoil Louvre System

Technical Manual

REV: 01

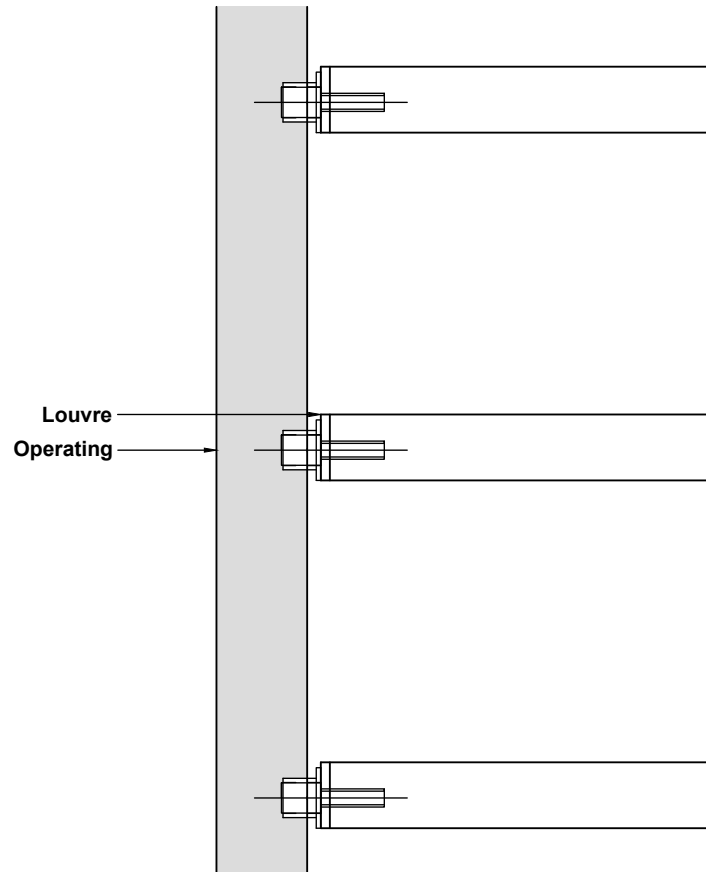
E: info@altech.co.nz

SF-29

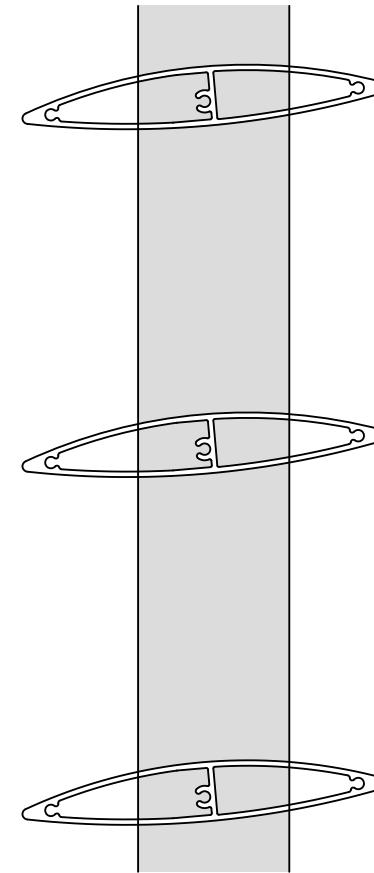
LOUVRE MOUNTING OPTIONS

LM 5; Operating Louvre

Spacing, angle & louvre can vary to suit project requirements



ELEVATION VIEW



SECTION VIEW

GENERAL NOTES

- Skyfoil SF is a range of Architectural Louvres. They can offer sun and wind protection, privacy or form an attractive building element.
- Skyfoil SF can offer fall protection upon request
- Skyfoil SF is available in operable and sliding options (refer separate details)
- Skyfoil SF is available in a wide range of different Louvres profiles
- Skyfoil SF can be set up with different spacing's and angles
- Standard finish is anodised or powdercoated

DESIGN NOTES

- Refer to drawings below for fixing or attachment designs
- For wind pressures over 3kPa (ULS) or louvres over 300mm wide; refer to AS



Skyfoil Louvre System

Technical Manual

REV: 01

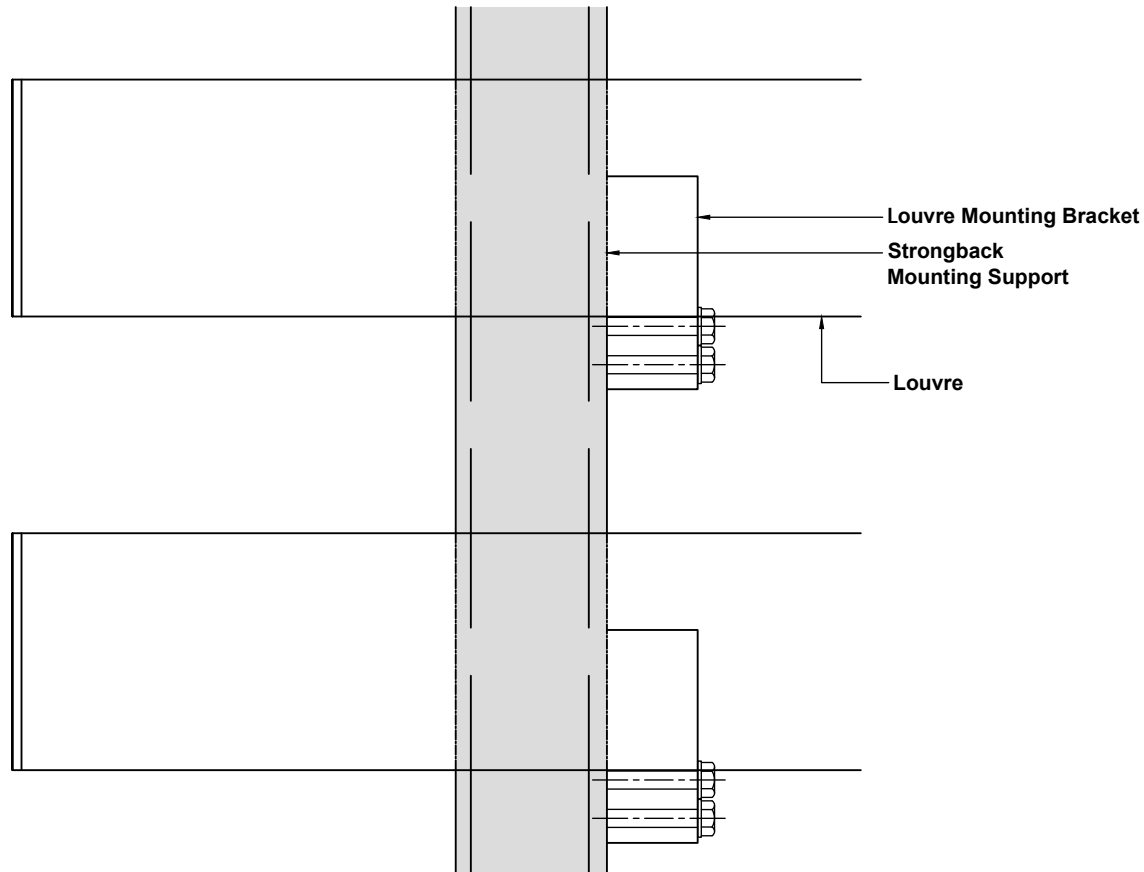
E: info@altech.co.nz

SF-30

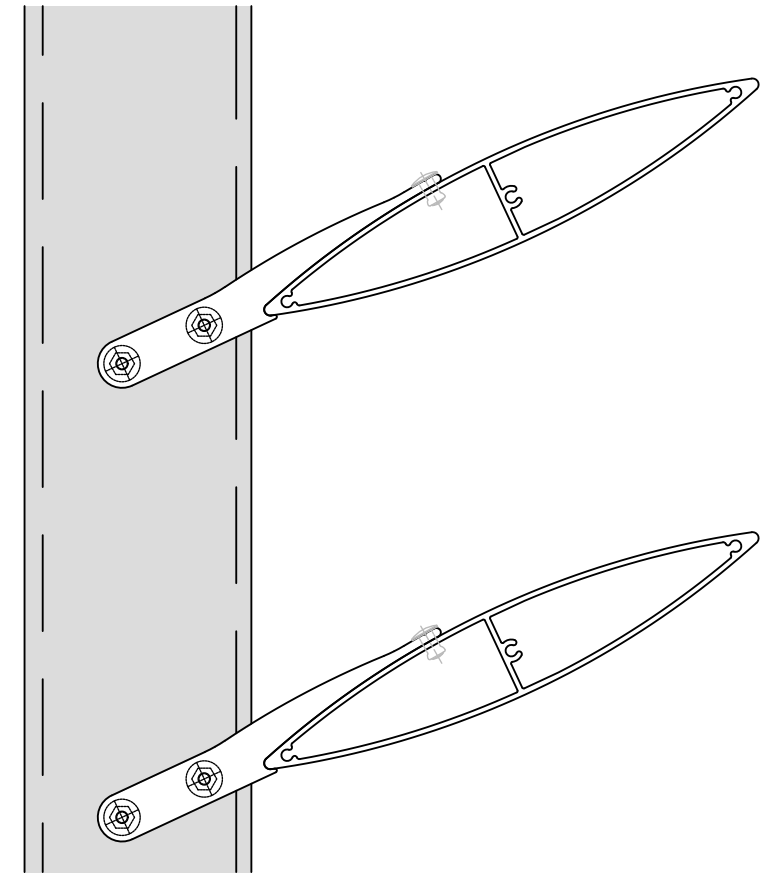
LOUVRE MOUNTING SUPPORT OPTIONS

MS 1; Strongback

RHS, angle & channel frame profiles available



ELEVATION VIEW



SECTION VIEW

GENERAL NOTES

- Skyfoil SF is a range of Architectural Louvres. They can offer sun and wind protection, privacy or form an attractive building element.
- Skyfoil SF can offer fall protection upon request
- Skyfoil SF is available in operable and sliding options (refer separate details)
- Skyfoil SF is available in a wide range of different Louvres profiles
- Skyfoil SF can be set up with different spacing's and angles
- Standard finish is anodised or powdercoated

DESIGN NOTES

- Refer to drawings below for fixing or attachment designs
- For wind pressures over 3kPa (ULS) or louvres over 300mm wide; refer to AS



Skyfoil Louvre System

Technical Manual

REV: 01

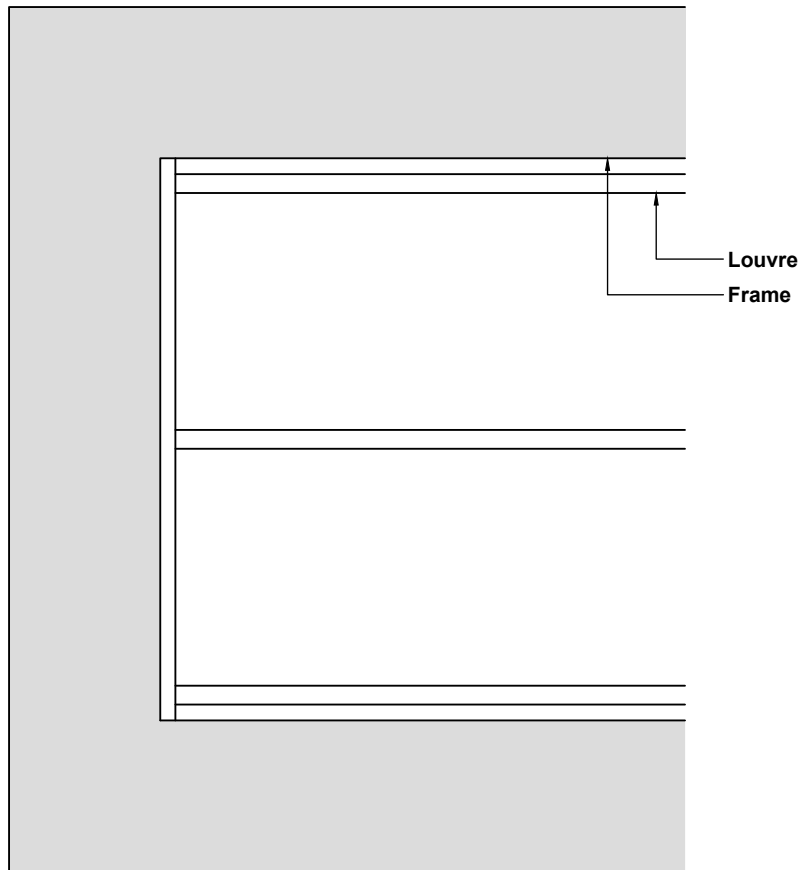
E: info@altech.co.nz

SF-31

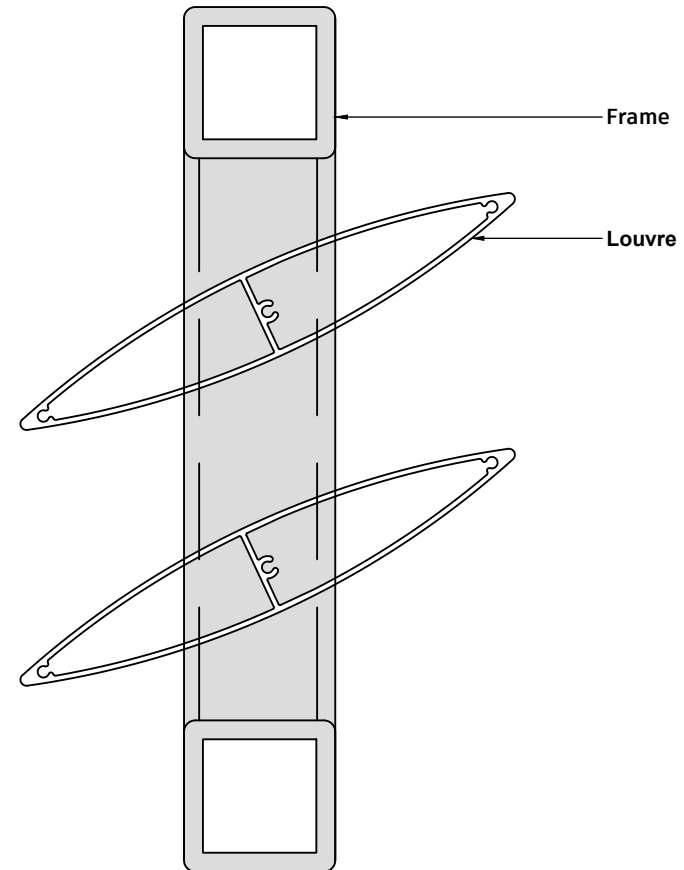
LOUVRE MOUNTING SUPPORT OPTIONS

MS 2; Frame

RHS, angle & channel frame profiles available



ELEVATION VIEW



SECTION VIEW

GENERAL NOTES

- Skyfoil SF is a range of Architectural Louvres. They can offer sun and wind protection, privacy or form an attractive building element.
- Skyfoil SF can offer fall protection upon request
- Skyfoil SF is available in operable and sliding options (refer separate details)
- Skyfoil SF is available in a wide range of different Louvres profiles
- Skyfoil SF can be set up with different spacing's and angles
- Standard finish is anodised or powdercoated

DESIGN NOTES

- Refer to drawings below for fixing or attachment designs
- For wind pressures over 3kPa (ULS) or louvres over 300mm wide; refer to AS



Skyfoil Louvre System

Technical Manual

REV: 01

E: info@altech.co.nz

SF-32

BUILDING BRACKET SUPPORT OPTIONS

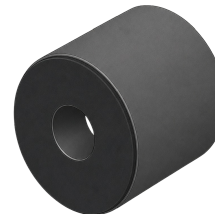
Custom options also available



Option 1; Angle
75xVariesx8x150mm Long



Option 2; 50Ø Spacer
Varies in Length To Suit Project



Option 4; 50Ø Spacer with EPDM
Varies in Length To Suit Project



Option 3; Spigot & Base Plate
40x3xVaries Long

NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flashed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

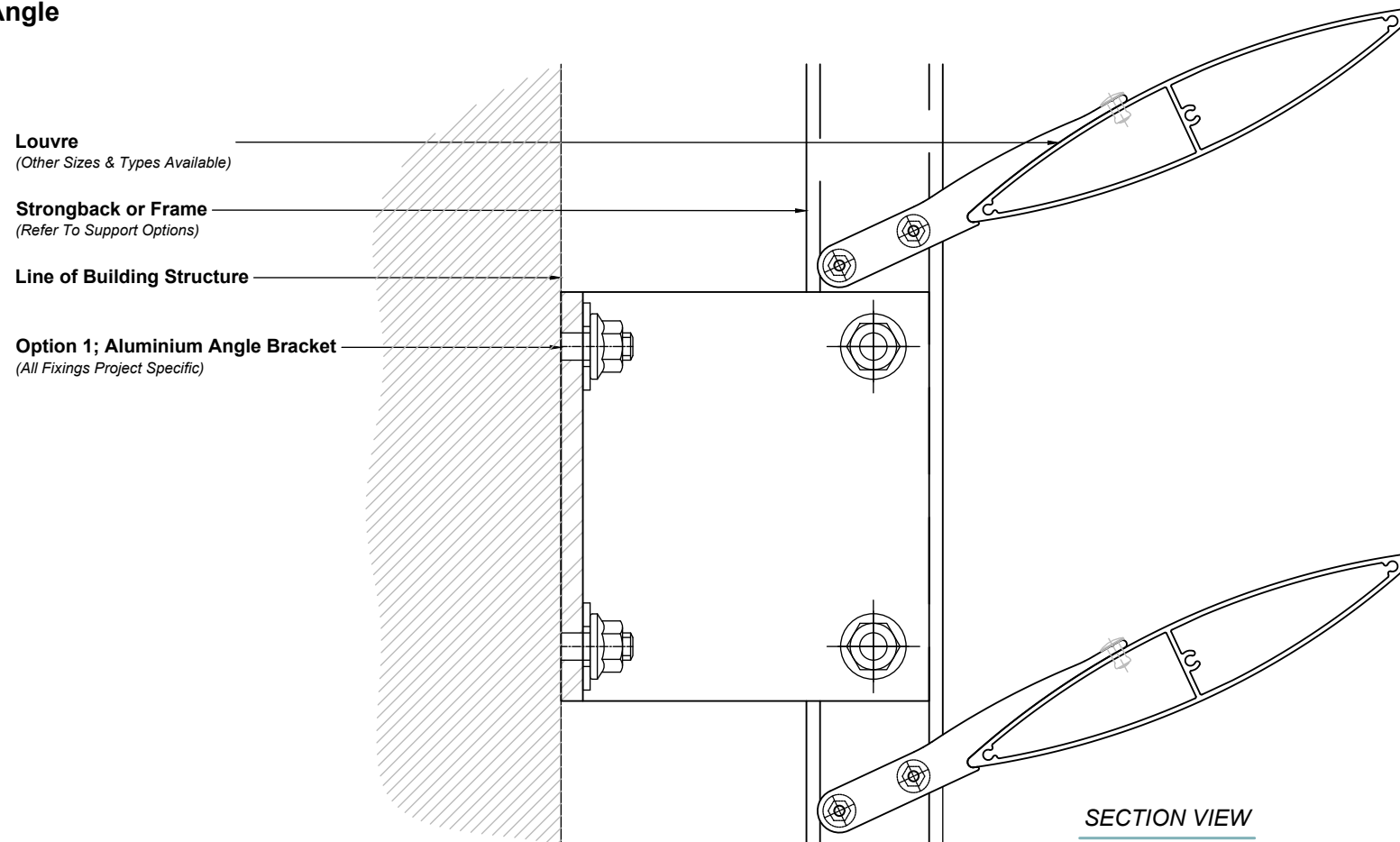
Technical Manual REV: 01

E: info@altech.co.nz SF-33

TYPICAL INSTALLATION - *DIRECT FIX*

Exposed Structure to No Cavity

Option 1; Angle



NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flashed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

Technical Manual

REV: 01

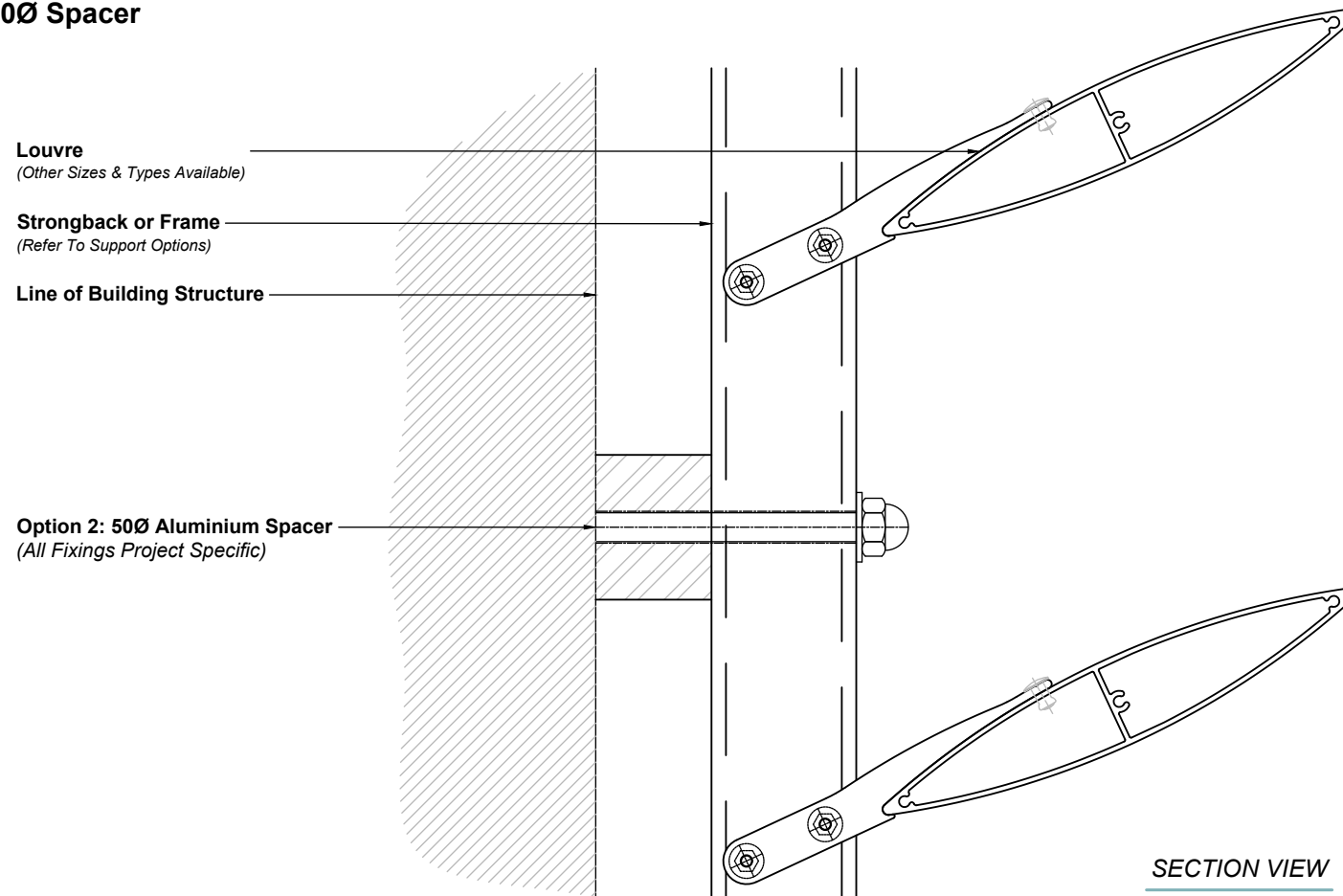
E: info@altech.co.nz

SF-34

TYPICAL INSTALLATION - *DIRECT FIX*

Exposed Structure to No Cavity

Option 2; 50Ø Spacer



NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flushed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

Technical Manual

REV: 01

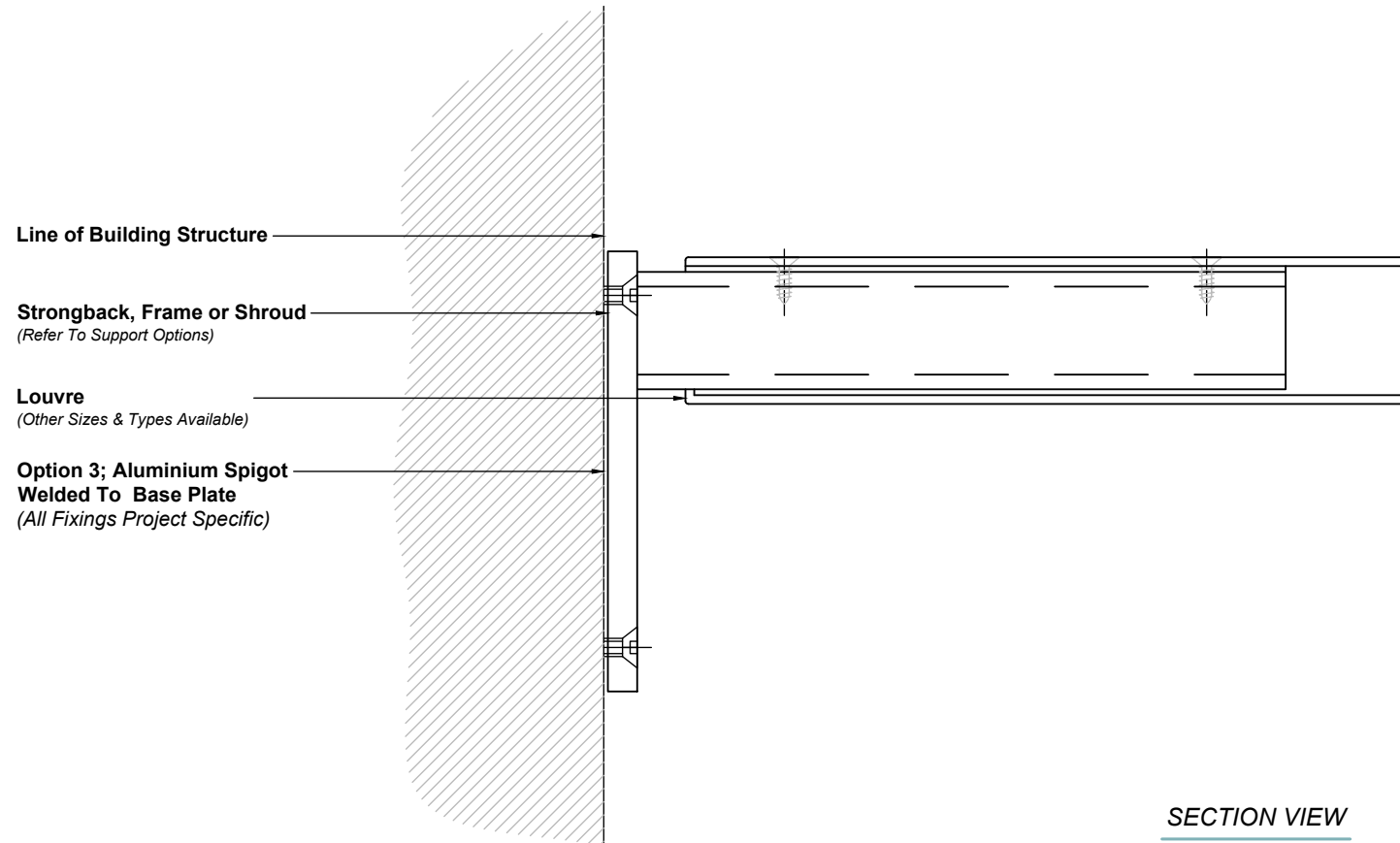
E: info@altech.co.nz

SF-35

TYPICAL INSTALLATION - *DIRECT FIX*

Exposed Structure to No Cavity

Option 3; Spigot & Base Plate



NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flashed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

Technical Manual

REV: 01

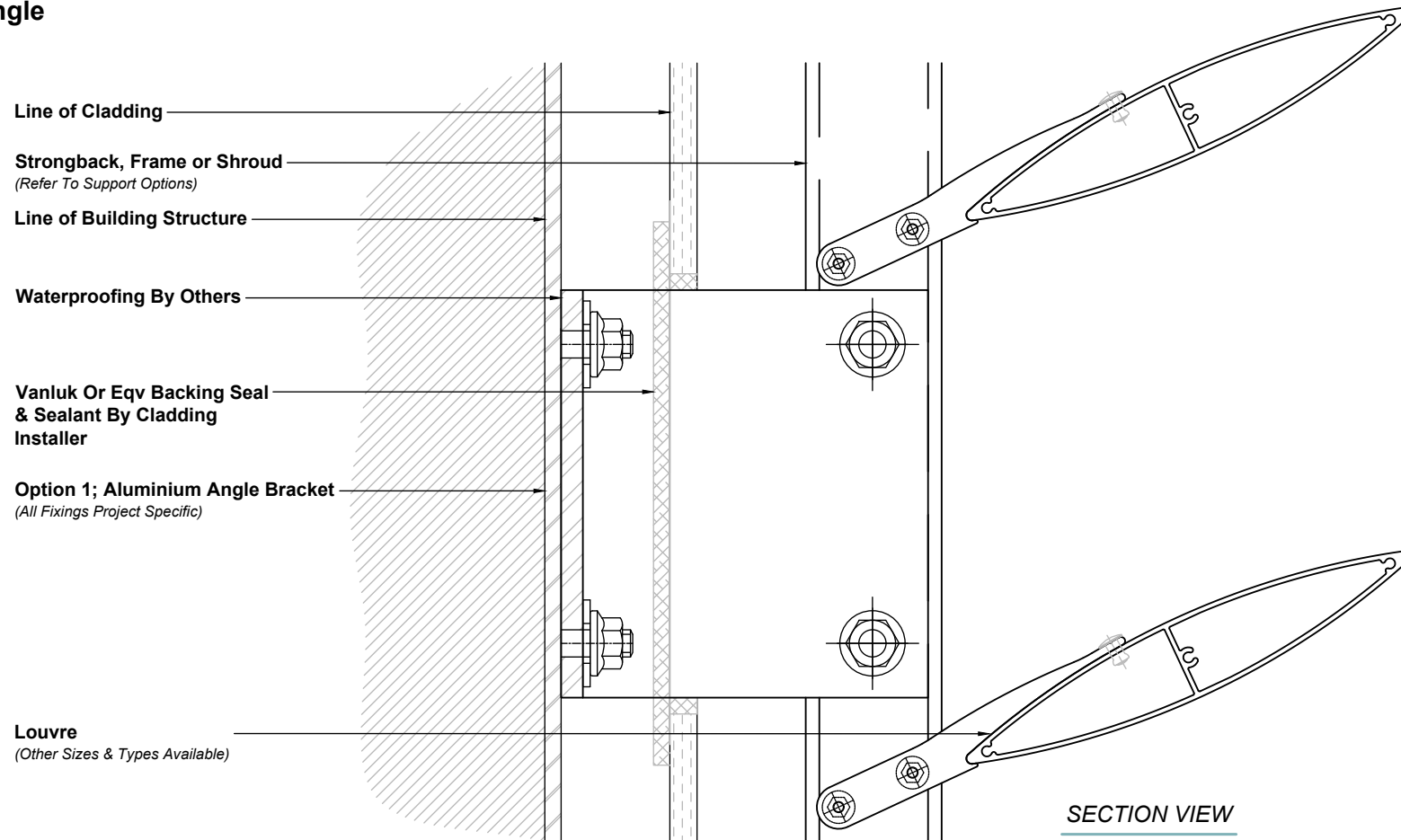
E: info@altech.co.nz

SF-36

TYPICAL INSTALLATION - *INDIRECT FIX*

Cavity, Fix Pre-Cladding

Option 1; Angle



NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flashed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

Technical Manual

REV: 01

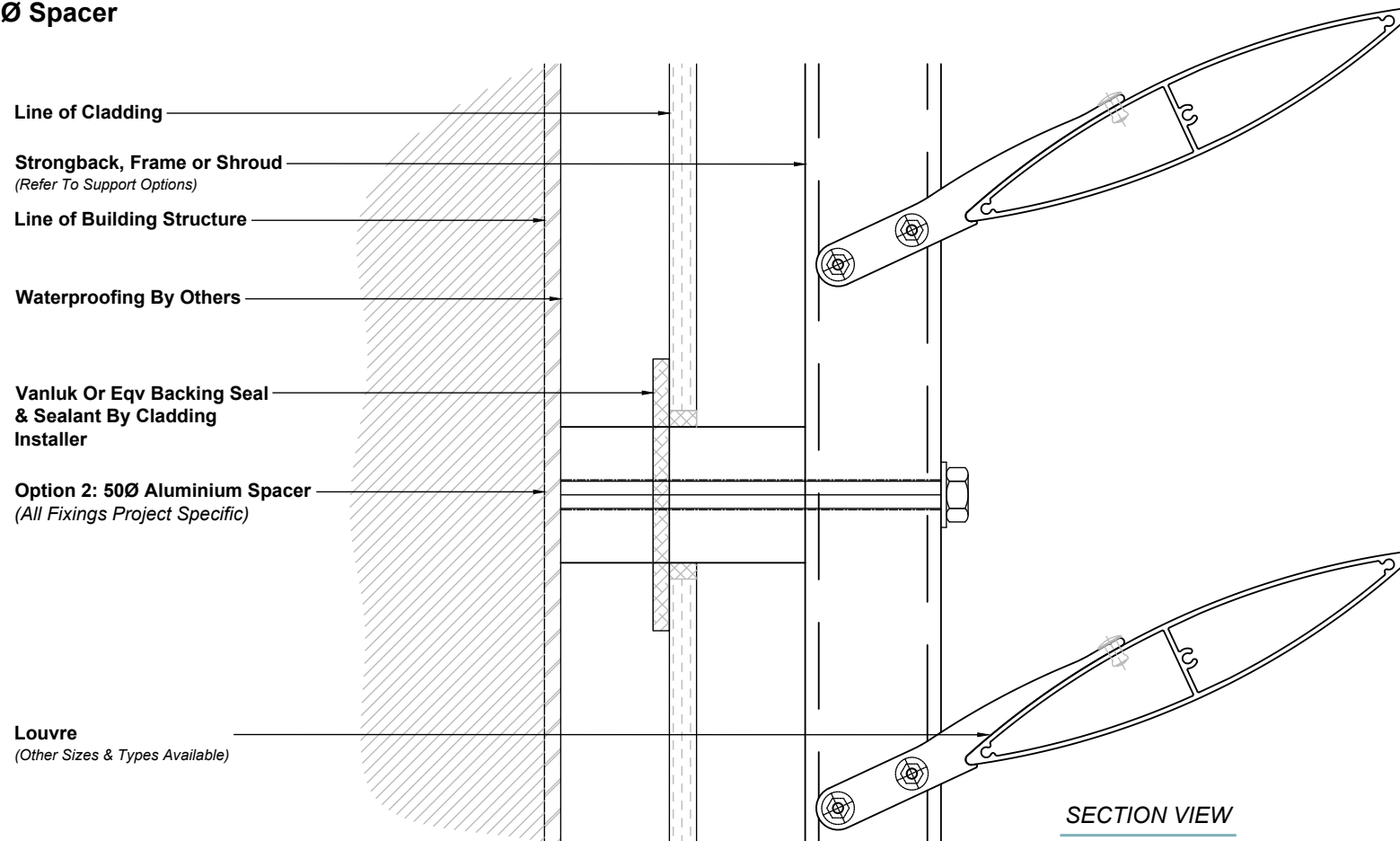
E: info@altech.co.nz

SF-37

TYPICAL INSTALLATION - *INDIRECT FIX*

Cavity, Fix Pre-Cladding

Option 2; 50Ø Spacer



NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flushed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

Technical Manual

REV: 01

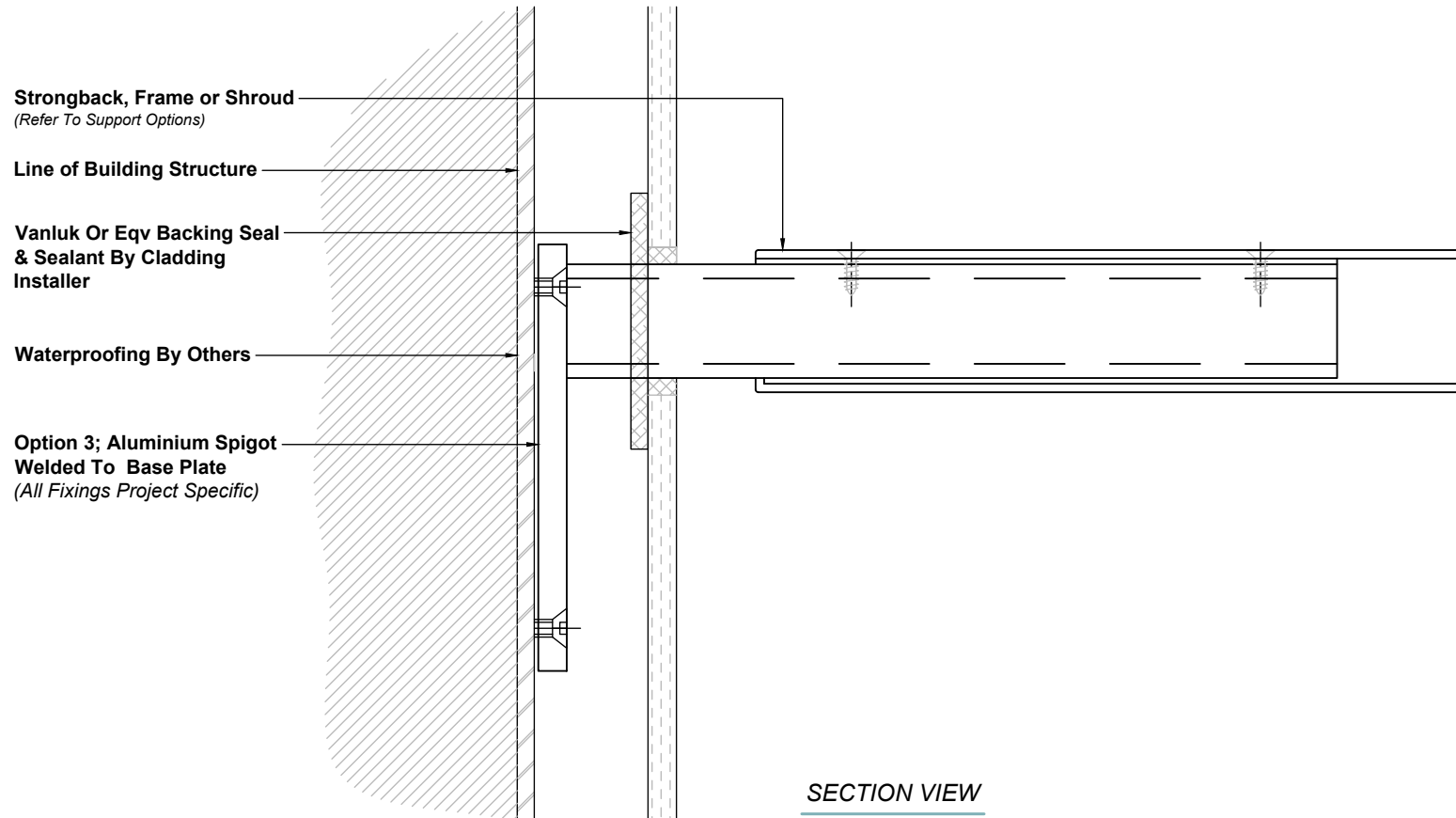
E: info@altech.co.nz

SF-38

TYPICAL INSTALLATION - *INDIRECT FIX*

Cavity, Fix Pre-Cladding

Option 3; Spigot & Base Plate



NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flashed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

Technical Manual

REV: 01

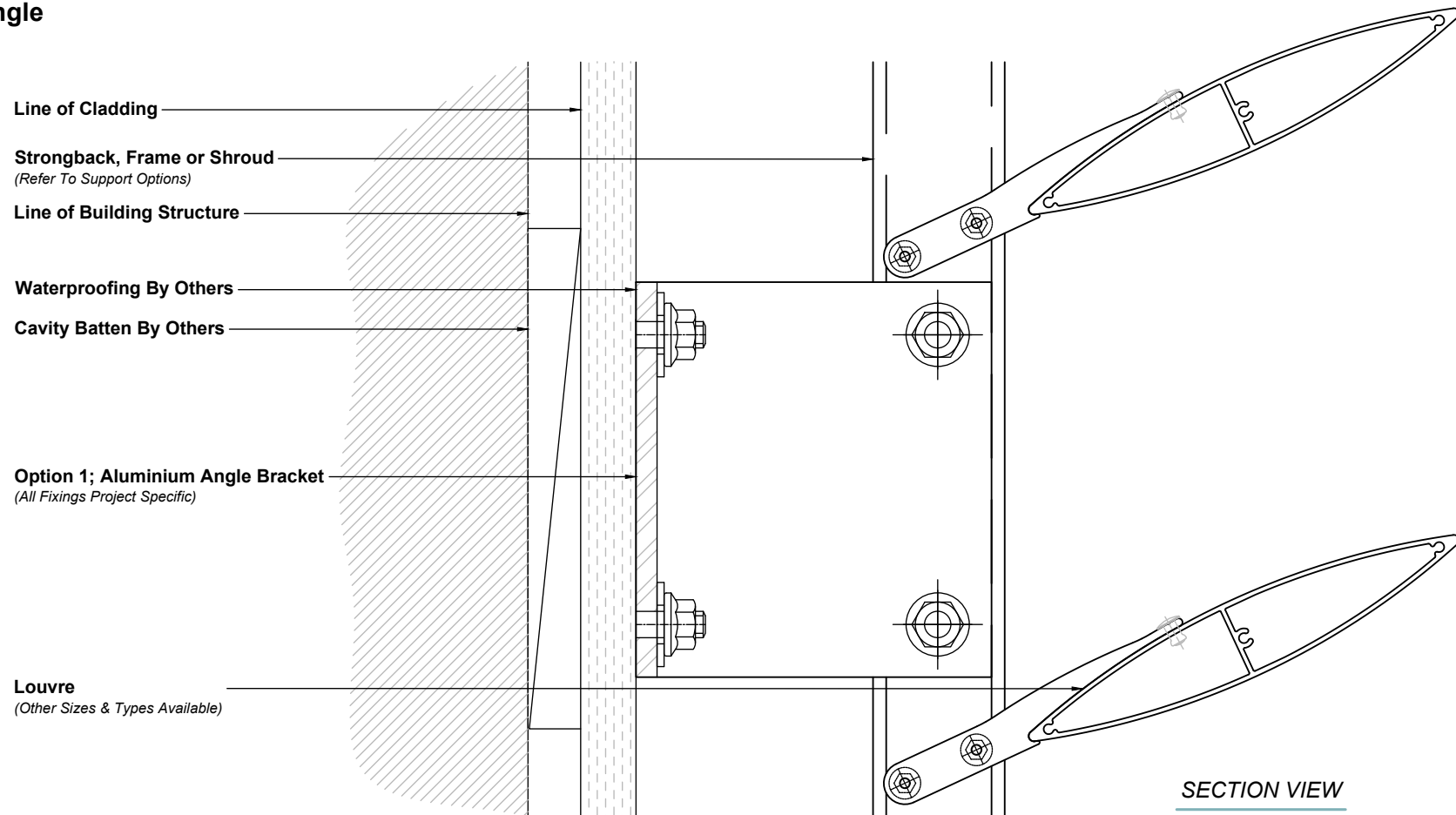
E: info@altech.co.nz

SF-39

TYPICAL INSTALLATION - *INDIRECT FIX*

Cavity, Fix Post-Cladding

Option 1; Angle



NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flushed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

Technical Manual

REV: 01

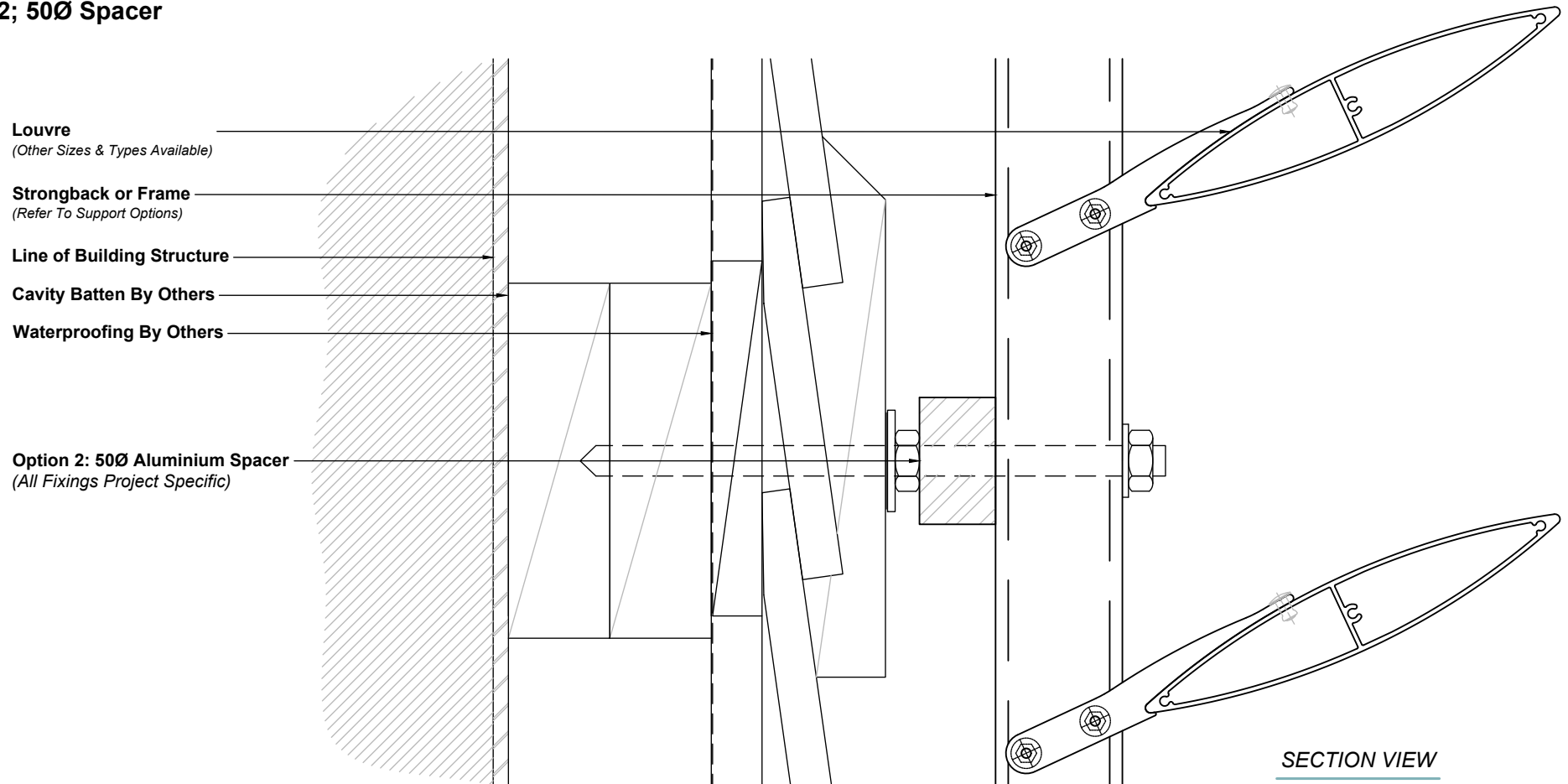
E: info@altech.co.nz

SF-40

TYPICAL INSTALLATION - *INDIRECT FIX*

Cavity, Fix Post-Cladding

Option 2; 50Ø Spacer



NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flushed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

Technical Manual

REV: 01

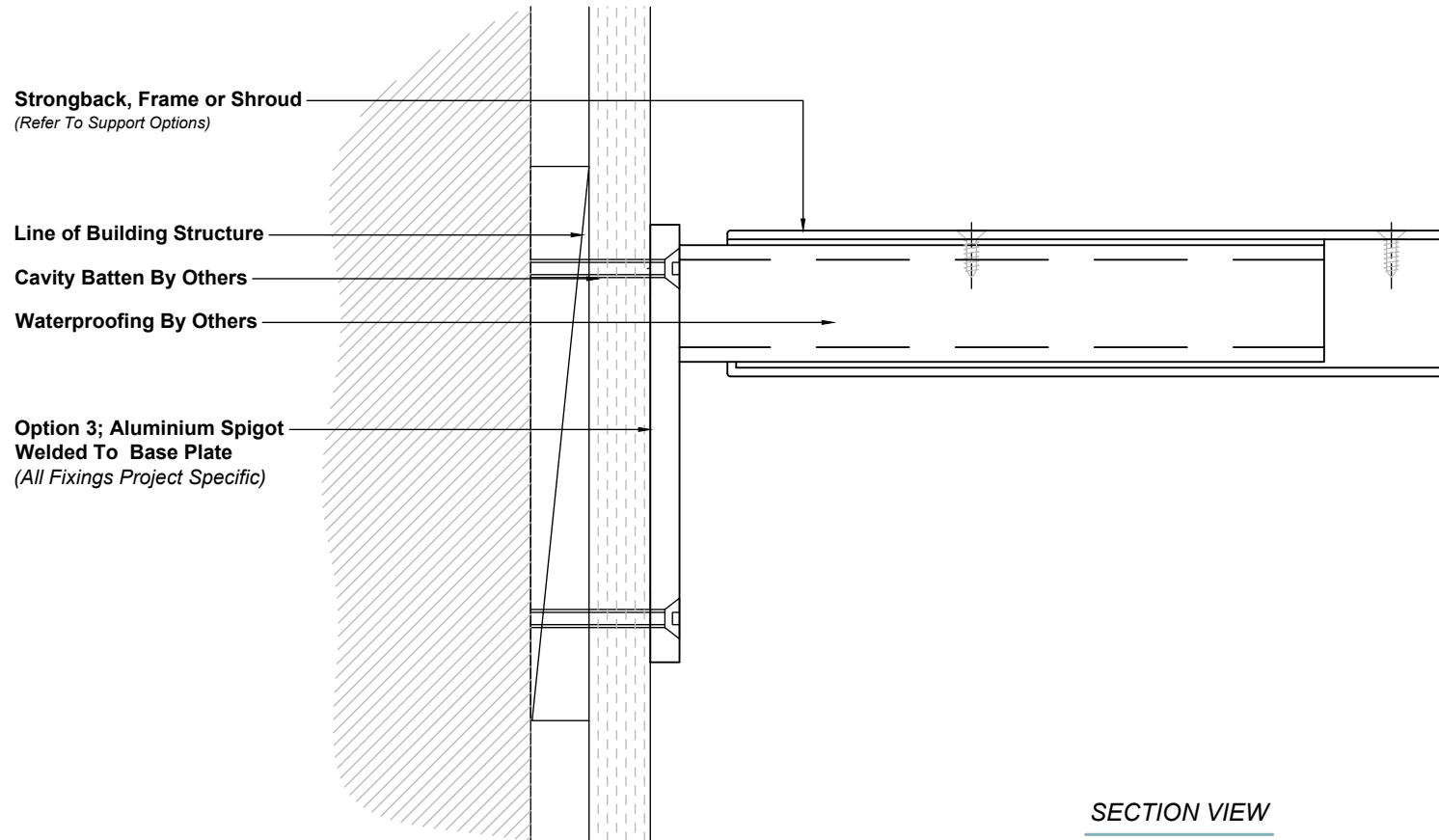
E: info@altech.co.nz

SF-41

TYPICAL INSTALLATION - *INDIRECT FIX*

Cavity, Fix Post-Cladding

Option 3; Spigot & Base Plate



NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flushed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

Technical Manual

REV: 01

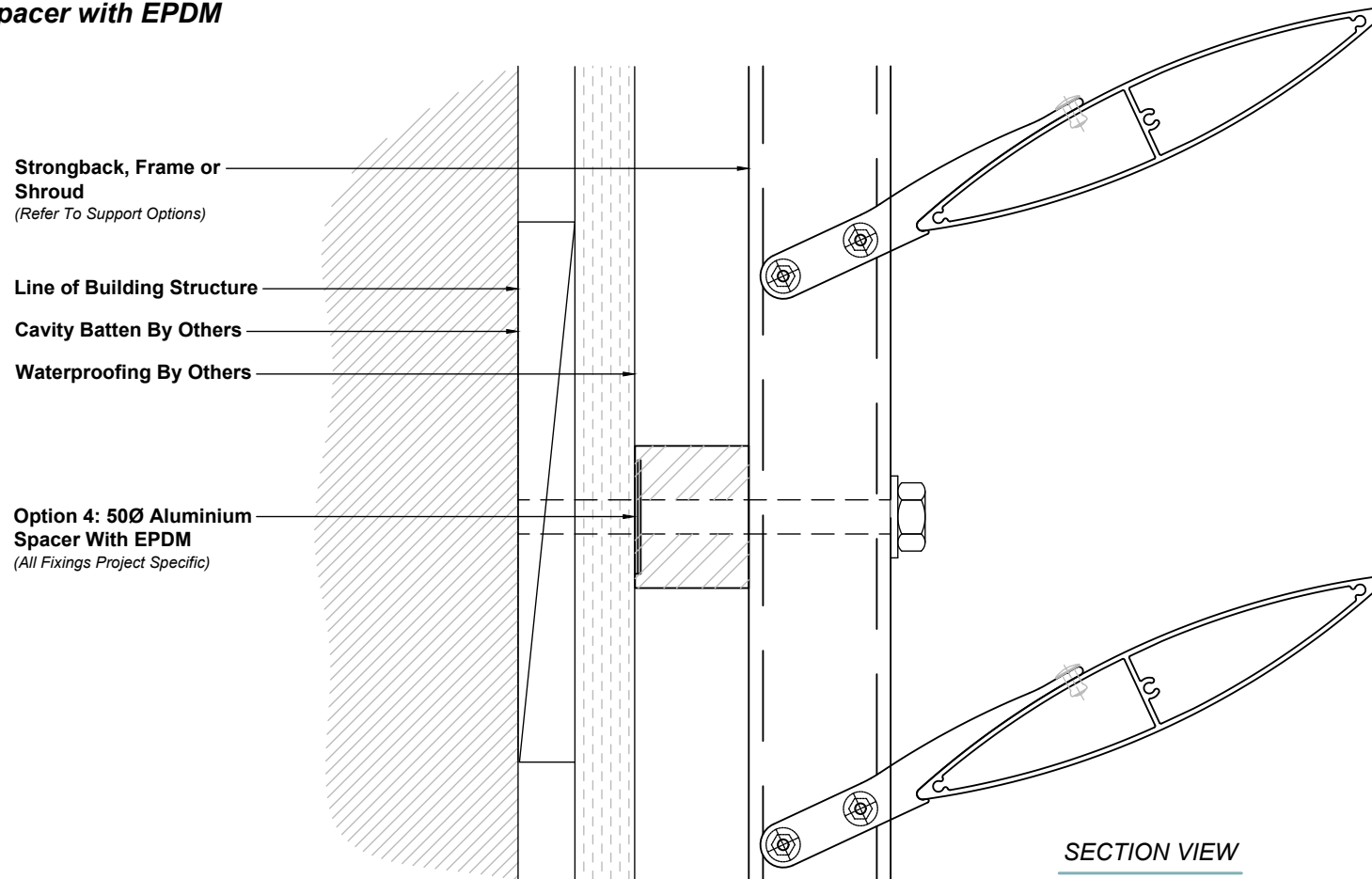
E: info@altech.co.nz

SF-42

TYPICAL INSTALLATION - *INDIRECT FIX*

Cavity, Fix Post-Cladding

Option 4; 50Ø Spacer with EPDM



NOTES

- The project designer must ensure the design complies with the NZ Building Code, eg the structure fixed to can withstand the loads imposed by the louvre/shroud etc the detailing at attachment points complies with Clause E2
- The waterproofer, cladder or other affected trades must ensure that any fixings penetrating any membrane or weather envelope are terminated/flashed, and comply with the terms of their warranty
- Typical installation methods shown. Check and confirm with engineer prior to installation



Skyfoil Louvre System

Technical Manual

REV: 01

E: info@altech.co.nz

SF-43