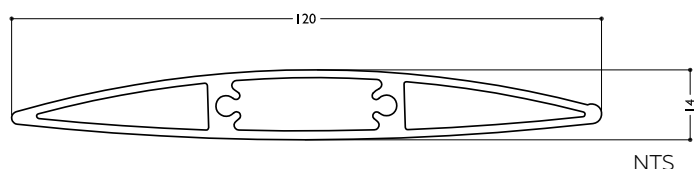


GROUP 3 LOUVRES

Medium size Airfoil louvres: 120mm Airfoil, 180mm Airfoil, 150 Midi, 200 Maxi

120MM AIRFOIL LOUVRE

A wide range of design applications



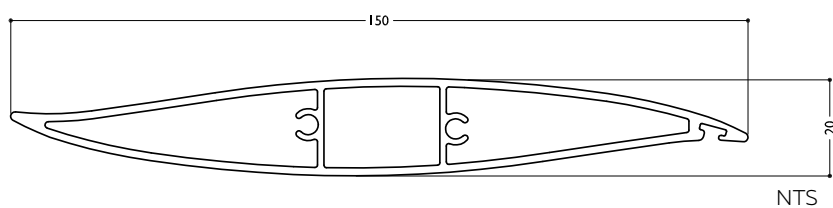
REFER TECHNICAL DETAILS PAGES 10.2.18



120MM AIRFOIL LOUVRE

150MM MIDI LOUVRE

A wave shaped louvre



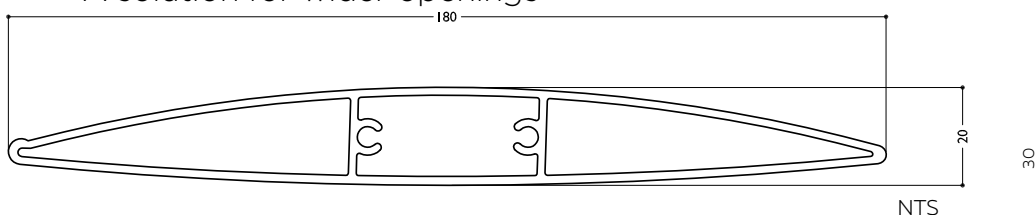
REFER TECHNICAL DETAILS PAGES 10.2.23



150MM MIDI LOUVRE

180MM AIRFOIL LOUVRE

A solution for wider openings



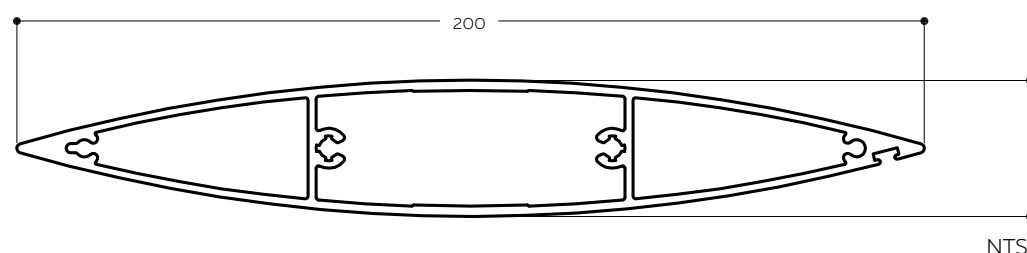
REFER TECHNICAL DETAILS PAGES 10.2.20



180MM AIRFOIL LOUVRE

200MM MAXI LOUVRE

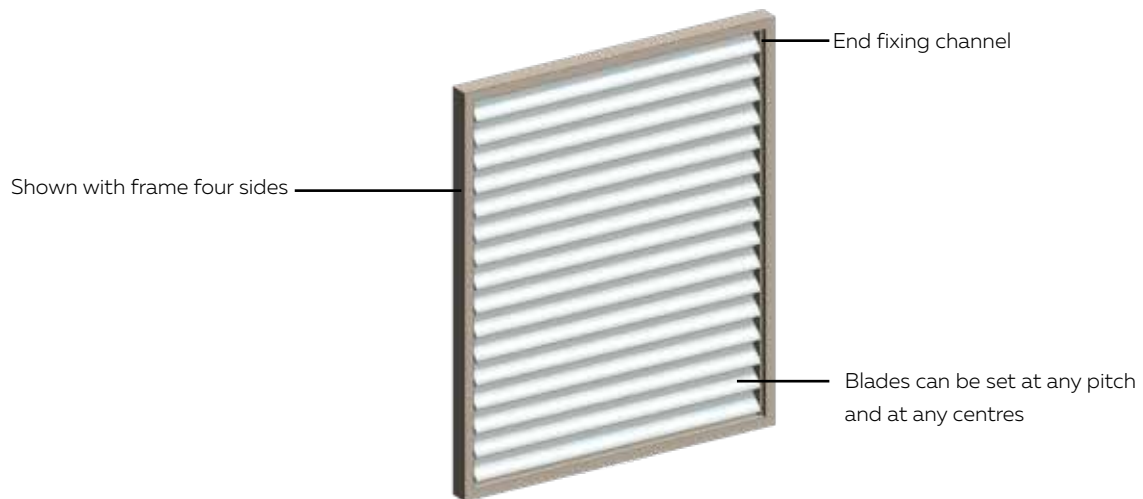
Most specified Maxi Louvre



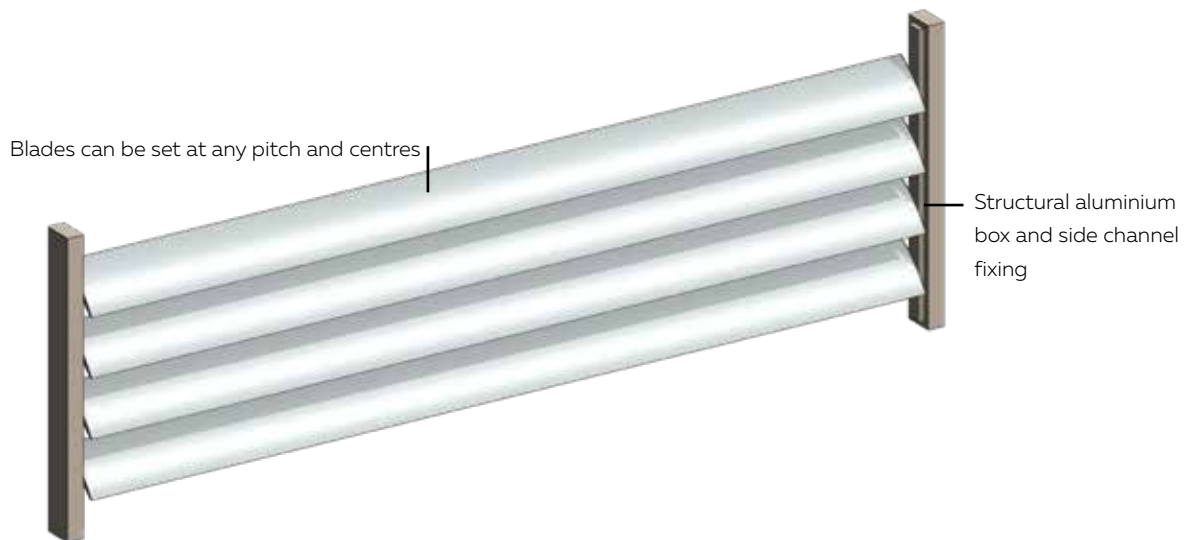
REFER TECHNICAL DETAILS PAGES 10.2.25



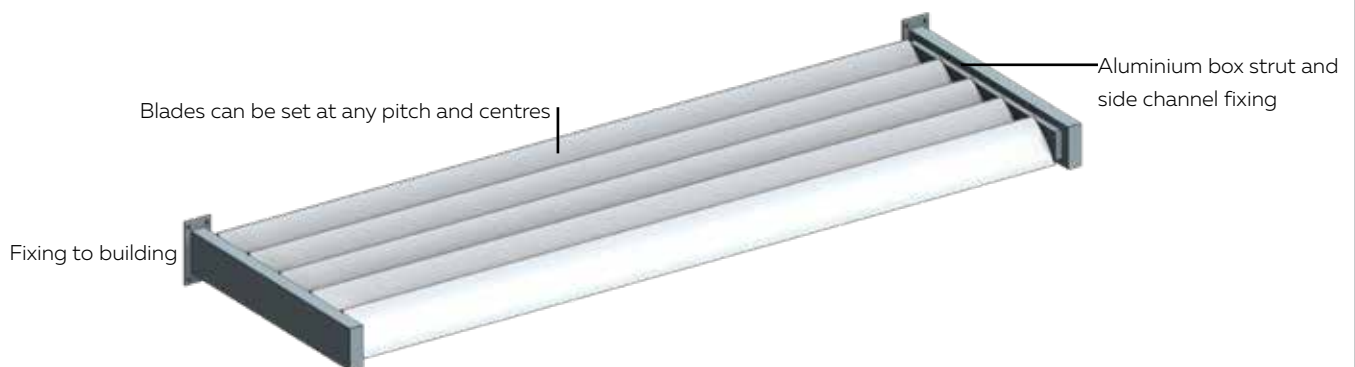
200MM AIRFOIL LOUVRE



VERTICAL END FIXED PANEL -
HORIZONTAL LOUVRES



VERTICAL END FIXED PANEL -
HORIZONTAL LOUVRES

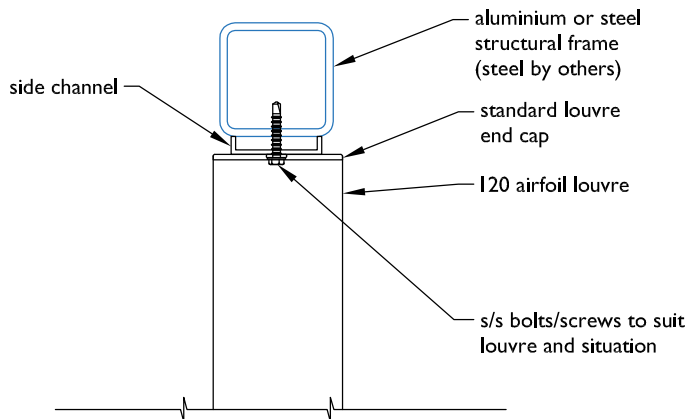


OVERHEAD END FIXED PANEL -
HORIZONTAL LOUVRES

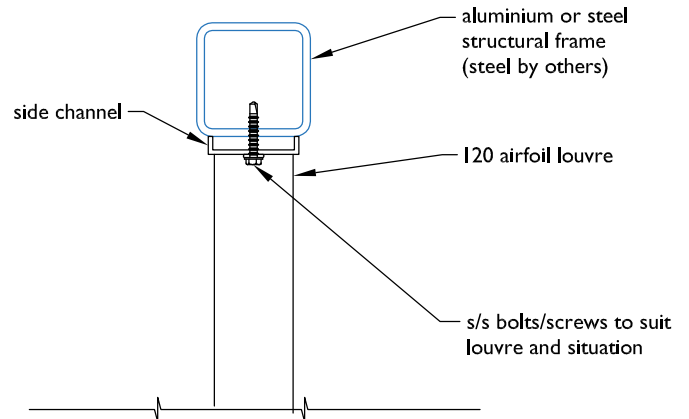
**TYPICAL DETAIL : END FIXED
120MM AIRFOIL LOUVRES**

(GROUP 3 LOUVRES COLLECTION)

PLAN - END FIXED 120MM AIRFOIL LOUVRE

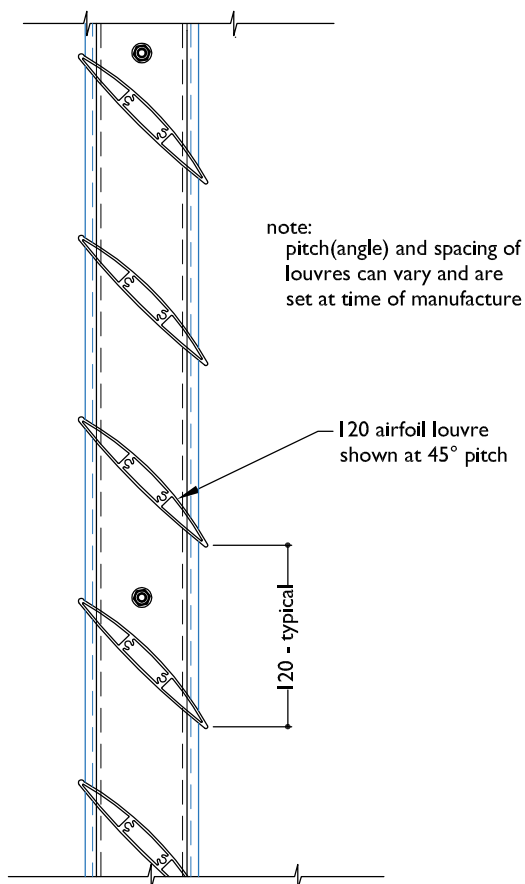


Louvres outside channel - end caps required

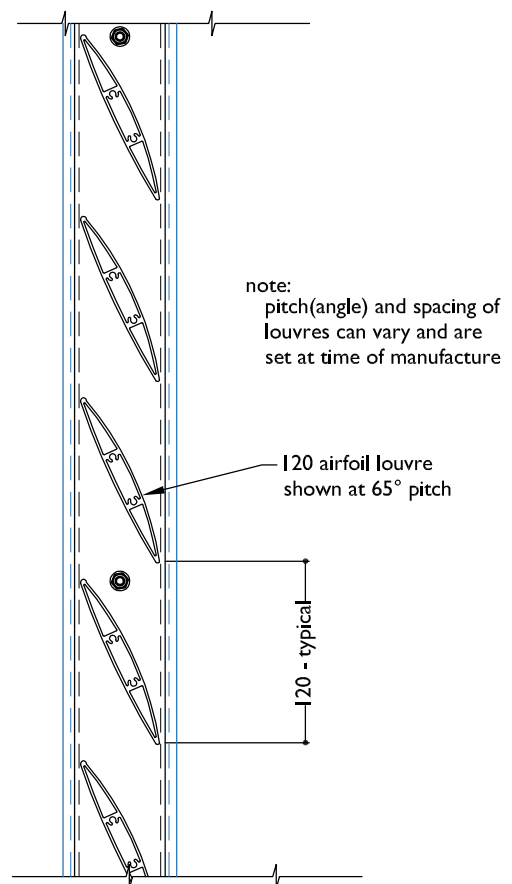


Louvres within side channel - no end caps required

SECTION - END FIXED 120MM AIRFOIL LOUVRE

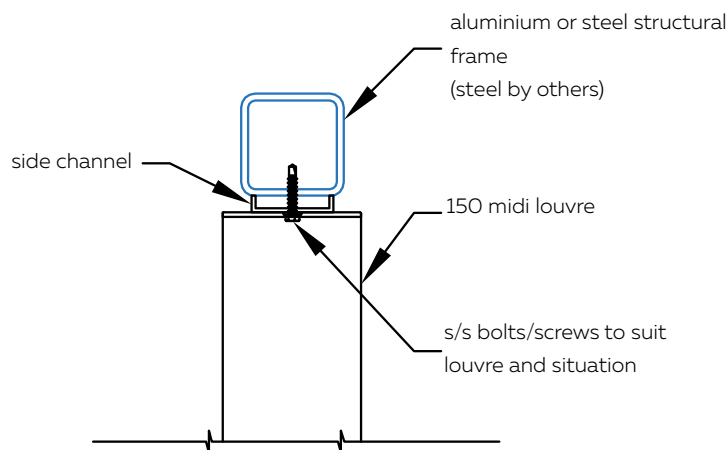


Louvres outside side channel - end caps required

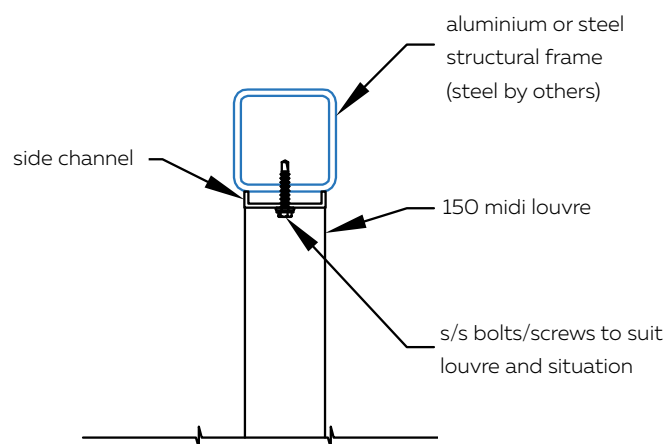


Louvres within side channel - no end caps required

PLAN - END FIXED 150MM MIDI LOUVRE

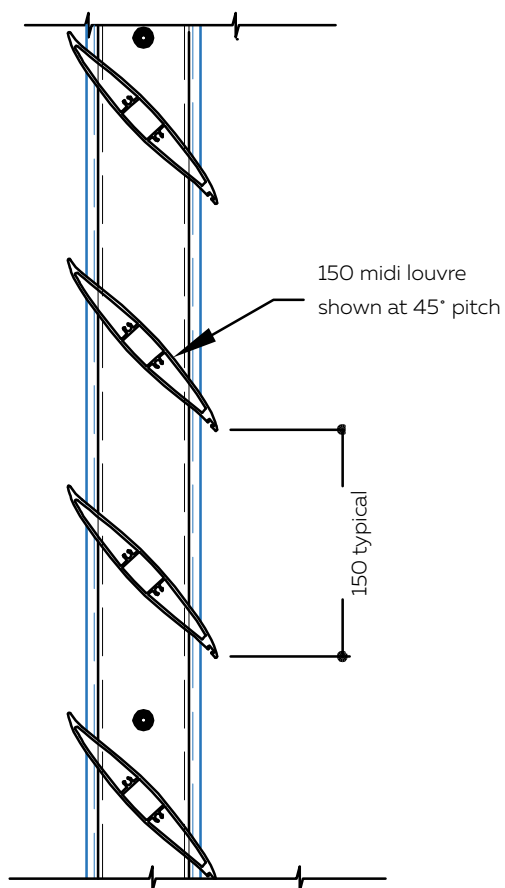


Louvres outside side channel - end caps required

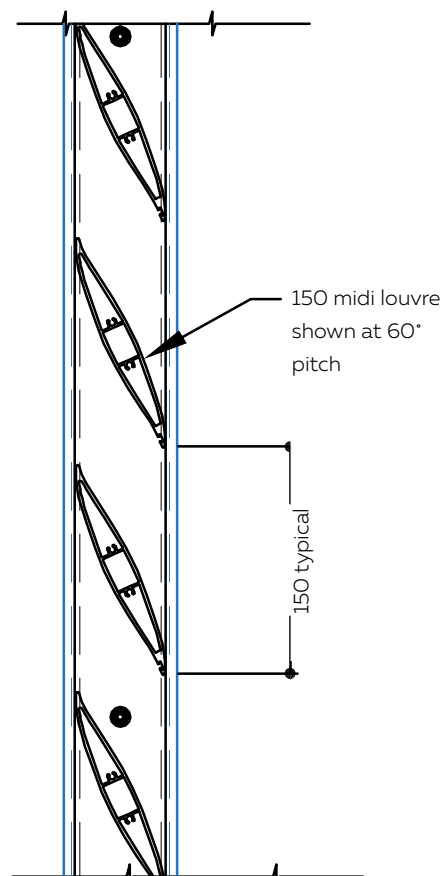


Within side channel - no end caps required

SECTION - END FIXED 150MM MIDI LOUVRE

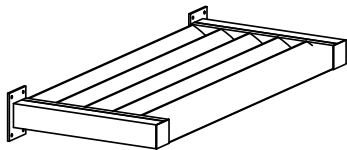


Louvres outside side channel - end caps required



Within side channel - no end caps required

TYPICAL DETAIL : END FIXED OVERHEAD SUN LOUVRES
SPANS AT A GLANCE 120MM AIRFOIL & 150MM MIDI LOUVRES (GROUP 3 LOUVRES COLLECTION)



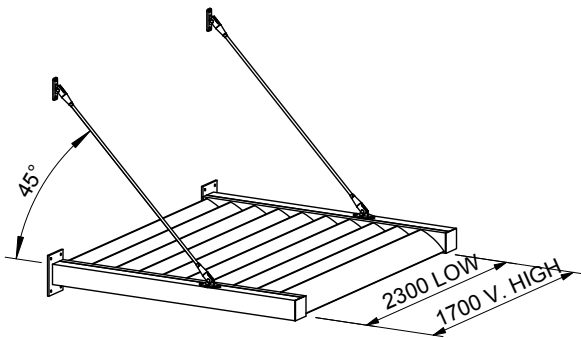
FREE SPAN EXAMPLE

CALCULATIONS FOR BLADE SPANS
SHOW RANGE FROM:
Low Wind Zone 115km/h, 32m/s to
Extra High Wind Zone 198km/h, 55 m/s
Refer Engineering Details. Section 13

KEY
LF = Free span
LS15 = Strut @ 15°
LS30 = Strut @ 30°
LS45 = Strut @ 45°

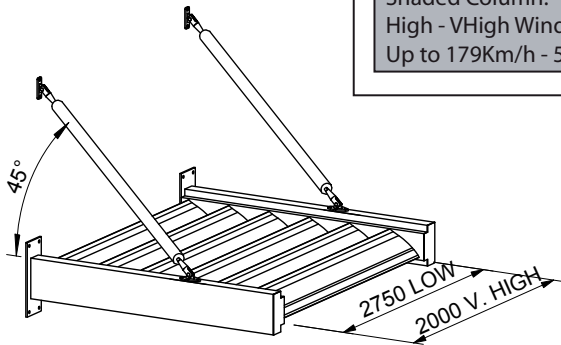
Plain Column:
Low - Med Wind Zone.
Up to 133Km/h - 37m/s

Shaded Column:
High - VHigh Wind Zone.
Up to 179Km/h - 50m/s



Ø20 SS Strut Support Example,
Strut at Optimum 45° angle.

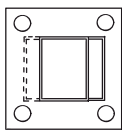
Ø20 SS STRUT SUPPORT EXAMPLE
Strut at optimum 45° angle
SPANS; END FIXED 120mm AIRFOIL LOUVRE



Ø42 SS Strut Support Example,
Strut at Optimum 45° angle.

Ø42 SS STRUT SUPPORT EXAMPLE
Strut at optimum 45° angle
SPANS; END FIXED 150mm MIDI LOUVRE

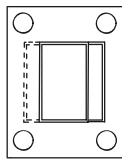
TYPICAL DETAIL: END FIXED OVERHEAD WALL STRUTS
SPANS AT A GLANCE 120MM AIRFOILS & 150MM MIDI LOUVRES (GROUP 3 LOUVRES COLLECTION)



Base Plate: 100 x 150 x 6mm
Box Section: 75 x 50 x 2.5mm
Channel: 75 x 25 x 3mm

Free Span	
LF	LF
600	500

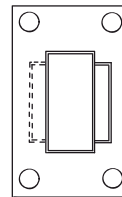
Strut Support	
Strut Ø16mm Stainless steel	
LS15	LS15
1000	800
LS30	LS30
1100	900
LS45	LS45
1100	900



Base Plate: 100 x 225 x 6mm
Box Section: 100 x 50 x 3mm
Channel: 100 x 25 x 3mm

Free Span	
LF	LF
800	700

Strut Support	
Strut Ø20mm Stainless steel	
LS15	LS15
1200	1000
LS30	LS30
1400	1200
LS45	LS45
1500	1200

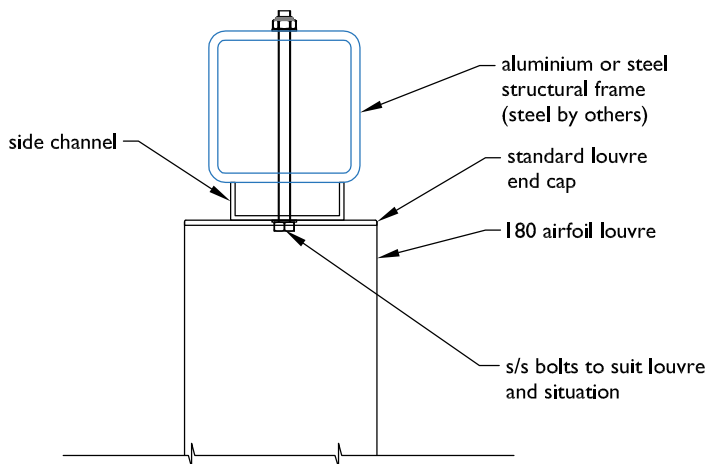


Base Plate: 100 x 275 x 6mm
Box Section: 150 x 50 x 3mm
Channel: 100 x 25 x 3mm

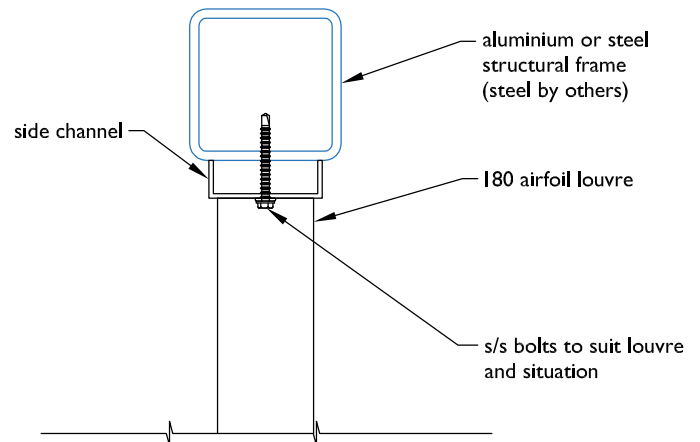
Free Span	
LF	LF
1200	1000

Strut Support	
Strut Ø42mm Stainless steel	
LS15	LS15
1700	1300
LS30	LS30
1800	1600
LS45	LS45
2000	1700

PLAN - END FIXED 180MM AIRFOIL LOUVRE

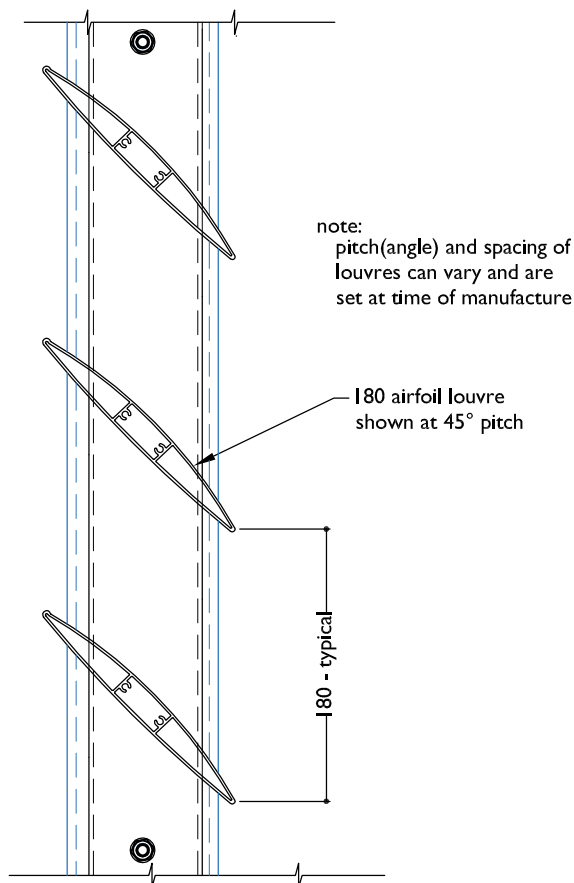


Louvres outside side channel - end caps required

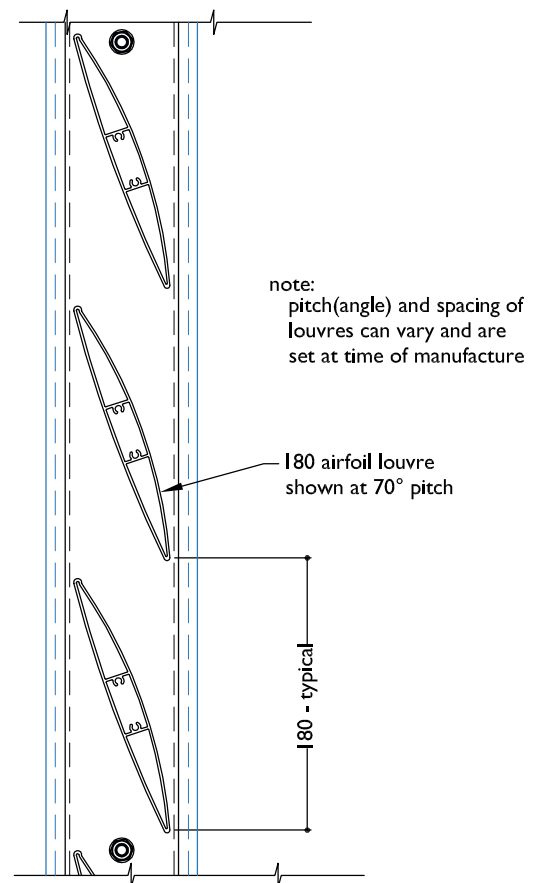


Within side channel - no end caps required

SECTION - END FIXED 180MM AIRFOIL LOUVRE



Louvres outside side channel - end caps required

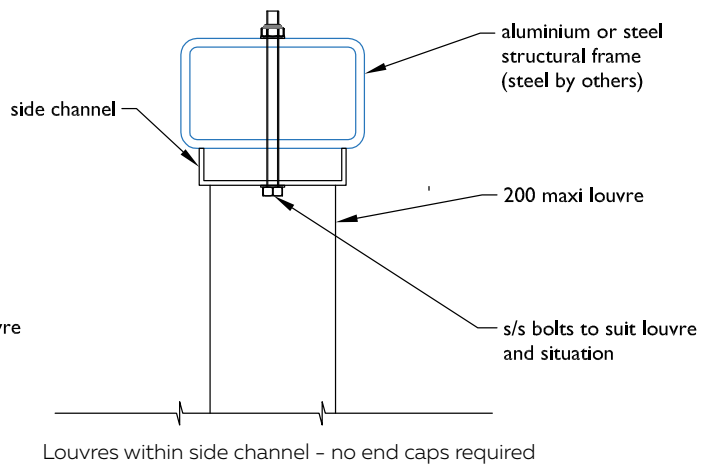
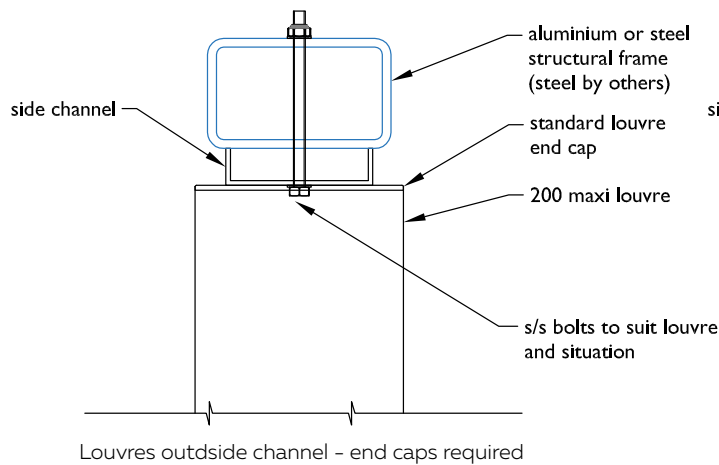


Within side channel - no end caps required

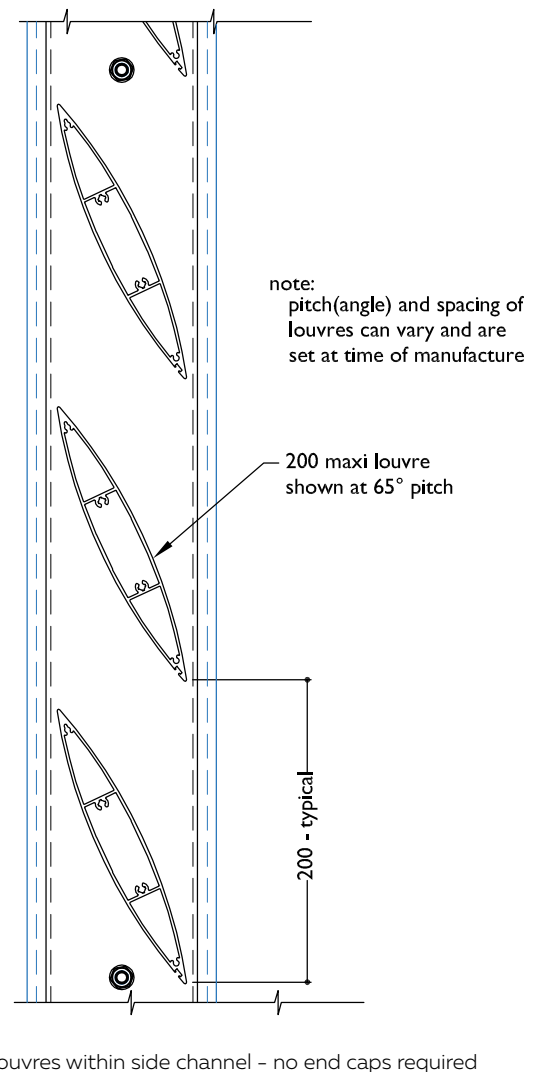
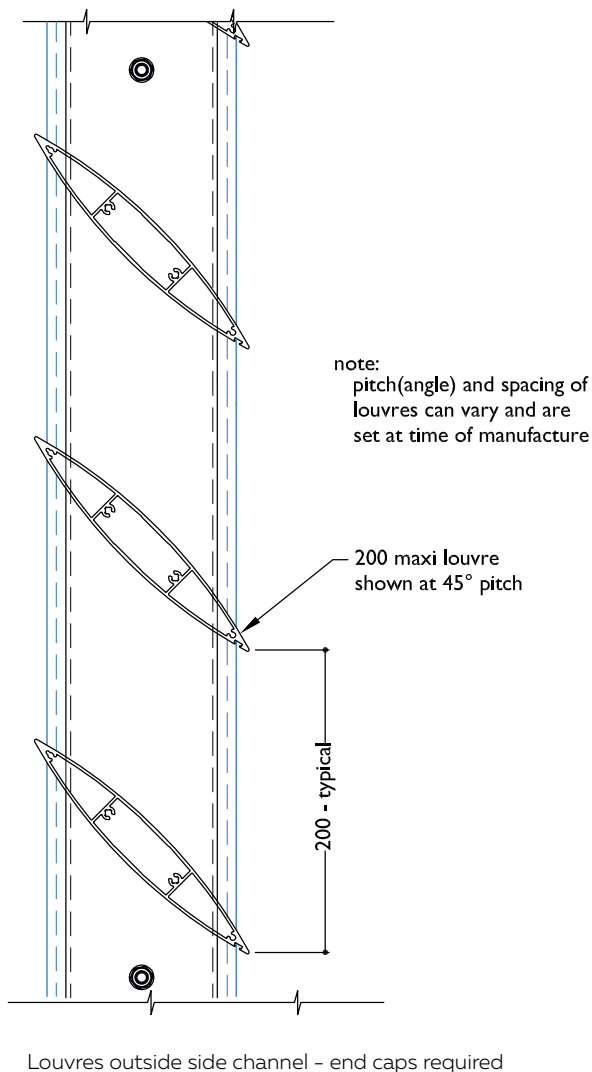
**TYPICAL DETAIL : END FIXED
200MM MAXI LOUVRES**

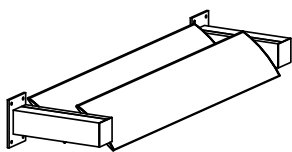
(GROUP 3 LOUVRES COLLECTION)

PLAN - END FIXED 200 MAXI LOUVRE



SECTION - END FIXED 200MM MAXI LOUVRE





FREE SPAN EXAMPLE

**CALCULATIONS FOR BLADE SPANS
SHOW RANGE FROM:**

Low Wind Zone 115km/h, 32m/s to

Extra High Wind Zone 198km/h, 55 m/s

Refer Engineering Details. Section 13

KEY

LF = Free span

LS15 = Strut @ 15°

LS30 = Strut @ 30°

LS45 = Strut @ 45°

Plain Column:

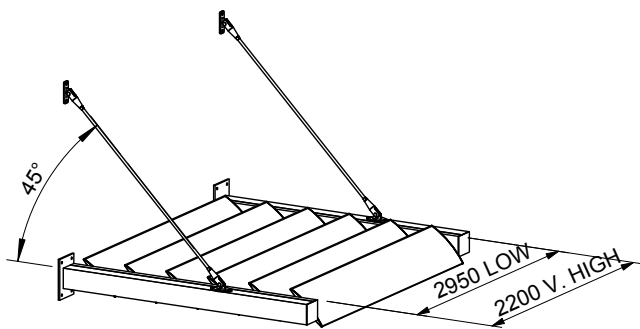
Low - Med Wind Zone.

Up to 133Km/h - 37m/s

Shaded Column:

High - VHigh Wind Zone.

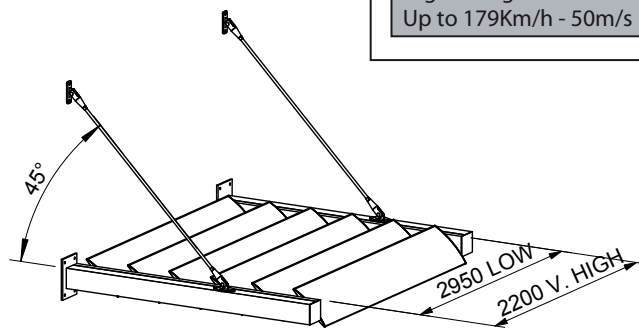
Up to 179Km/h - 50m/s



Ø20 SS STRUT SUPPORT EXAMPLE

Strut at optimum 45° angle

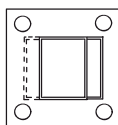
Spans, End Fixed 180mm Airfoil Louvre



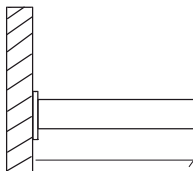
Ø42 SS STRUT SUPPORT EXAMPLE

Strut at optimum 45° angle

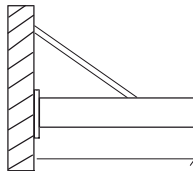
Spans, End Fixed 200mm Midi Louvre

**TYPICAL DETAIL: END FIXED OVERHEAD WALL STRUTS 180MM AIRFOIL | 200MM MAXI LOUVRES
SPANS AT A GLANCE (GROUP 3 LOUVRES COLLECTION)**


Base Plate: 100 x 150 x 6mm
Box Section: 75 x 50 x 2.5mm
Channel: 75 x 25 x 3mm

Free Span

LF	LF
500	500

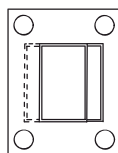
Strut Support

Strut Ø16mm
Stainless steel

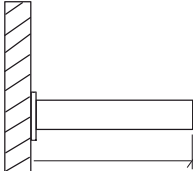
LS15	LS15
800	600

LS30	LS30
900	700

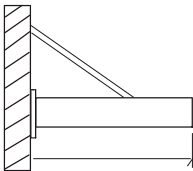
LS45	LS45
900	700



Base Plate: 100 x 225 x 6mm
Box Section: 100 x 50 x 3mm
Channel: 100 x 25 x 3mm

Free Span

LF	LF
700	600

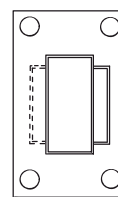
Strut Support

Strut Ø20mm
Stainless steel

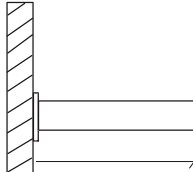
LS15	LS15
1000	800

LS30	LS30
1200	1000

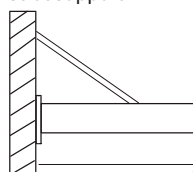
LS45	LS45
1200	1000



Base Plate: 100 x 275 x 6mm
Box Section: 150 x 50 x 3mm
Channel: 100 x 25 x 3mm

Free Span

LF	LF
1000	900

Strut Support

Strut Ø42mm
Stainless steel

LS15	LS15
1300	1100

LS30	LS30
1600	1300

LS45	LS45
1600	1400