

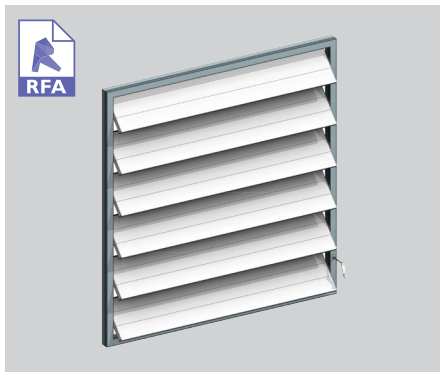
## PRODUCT OVERVIEW RL 450 MITRE LOUVRE



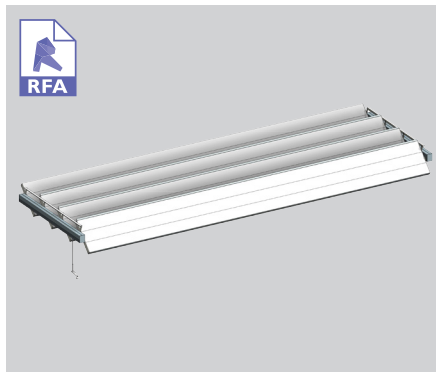
## RL 450 MITRE LOUVRE

## rectangular louvre

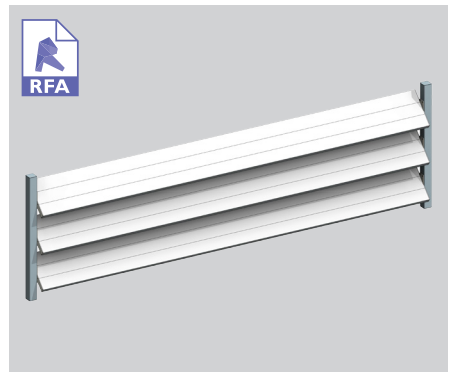
Introducing Louvretec's new range of Rectangular Louvres (RL). The RL 450 Mitre is one of six large rectangular shaped louvres designed to meet demand for large custom louvre systems. Two blade shapes are available - the traditional square end or mitred to a 7° angle as per its partner blade the RL 450 Square (see previous pg). Both RL 450 louvres can be Maxi-Drive motorised, end or bracket fixed. The specific design and engineering of the Maxi-Drive, end & bracket fixing systems ensures a clean, uncluttered appearance & outstanding spanning capabilities. For both commercial and residential applications.



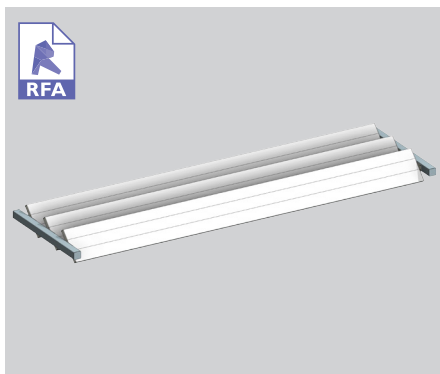
OPERABLE OPTION - MAXI-DRIVE PIVOT SYSTEM



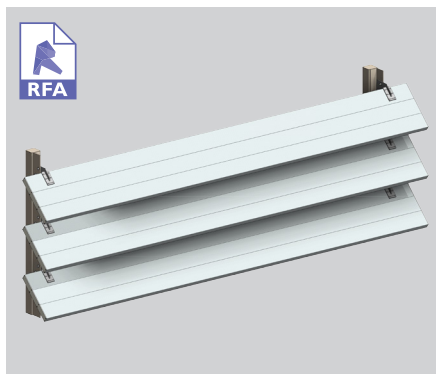
OPERABLE OPTION - MAXI-DRIVE PIVOT SYSTEM HAND OP.



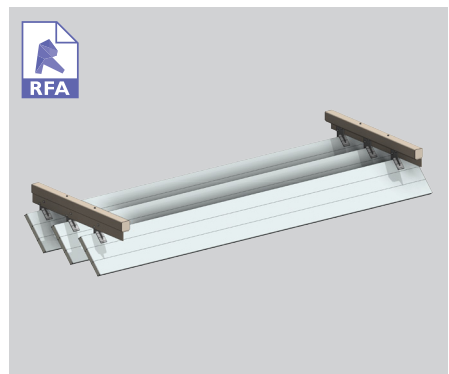
END FIXED - VERTICAL PANEL



END FIXED - HORIZONTAL OVERHEAD



BRACKET FIXED - VERTICAL PANEL



BRACKET FIXED - HORIZONTAL OVERHEAD PANEL

## SURFACE COATINGS

A wide range of options are available.



ANODISED



WOOD FINISH



POWDERCOATED

## OPERATING THIS SUN LOUVRE - THE CHOICE IS YOURS

Fixed options

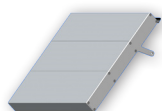
Operable systems

LOUVRETEC  
GEARBOX

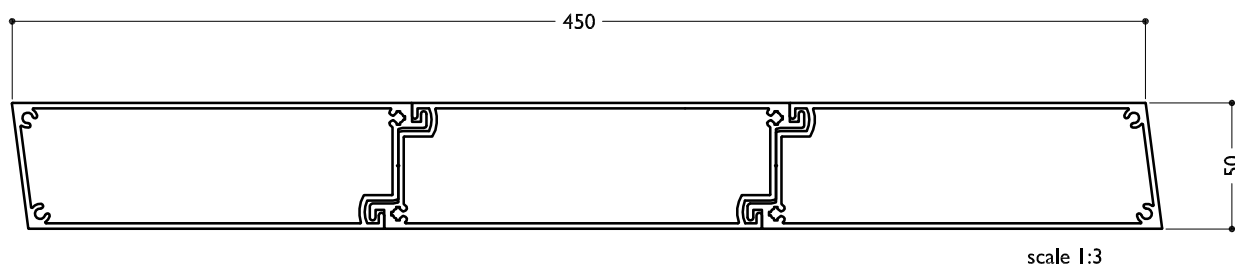
HOME MOTION by  
**somfy.**

MOTORS AND SENSORS

## SUN LOUVRES - RECTANGULAR SPECIFICATIONS



### TECHNICAL DETAILS RL 450 MITRE LOUVRE



BLADE SPECIFICATIONS			
Blade cover - opening system	457 mm	Weight per lineal metre	8.27 kgm
Weight per square metre - opening system	18.5 sqm	Actual blade width	450 mm
Blade Centres - opening system	457 mm		

SPANS AT A GLANCE NB Refer Engineering Section. Climate, terrain, shielding, location, type of structure contribute to determine spans.

WIND ZONE	INSIDE	LOW	MEDIUM	HIGH	VERY HIGH	EXTRA HIGH
Factored wind speed at building		32m/s 115km/hr	37m/s 133km/hr	44m/s 158km/hr	50m/s 179km/hr	55m/s 198km/hr
Ultimate limit state loads (kPa)		+0.92 & -1.15	+1.23 & -1.53	+1.74 & -2.17	+2.24 & -2.80	+2.71 & -3.39
Adjustable and Fixed Vertical and Horizontal	5800	5800	5800	5150	4500	4050

## INSTALLATION OPTIONS



### MAXI DRIVE SYSTEM: CALCULATE OPTIMUM FRAME OPENING SIZES

Width: Check engineering limits

Height: Calculation example showing 10 blades

9 blades x 457	4113
1 blade at 450	450
10 blades	=4563



### END FIXED

Louvres at any pitch

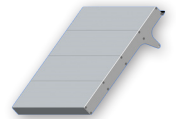
Louvres at any centre



### BRACKET FIXED

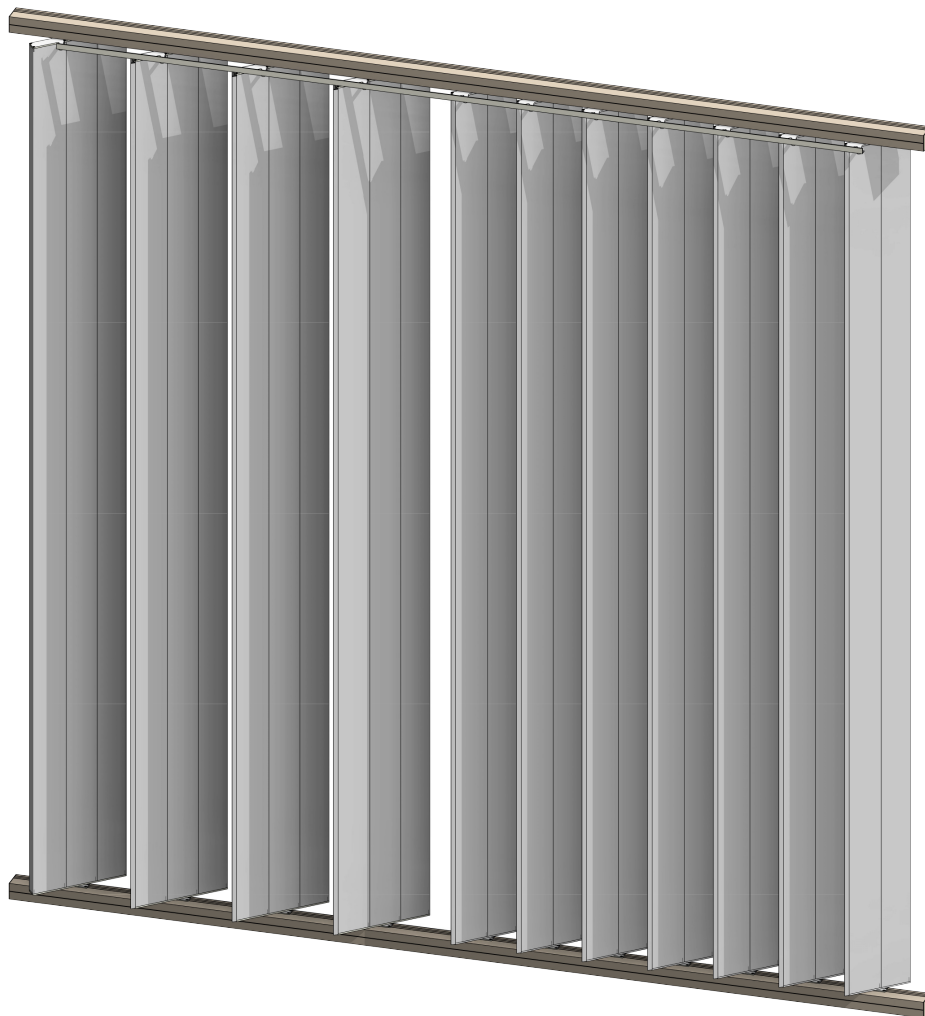
Louvres at any pitch

Louvres at any centre



**PRODUCT DETAILS** RL 300 & RL 450 MITRE MOTORISED MAXI DRIVE LOUVRES

**TYPICAL DETAIL 3D FILE** RL 300 & RL 450 MITRE MOTORISED MAXI DRIVE LOUVRES

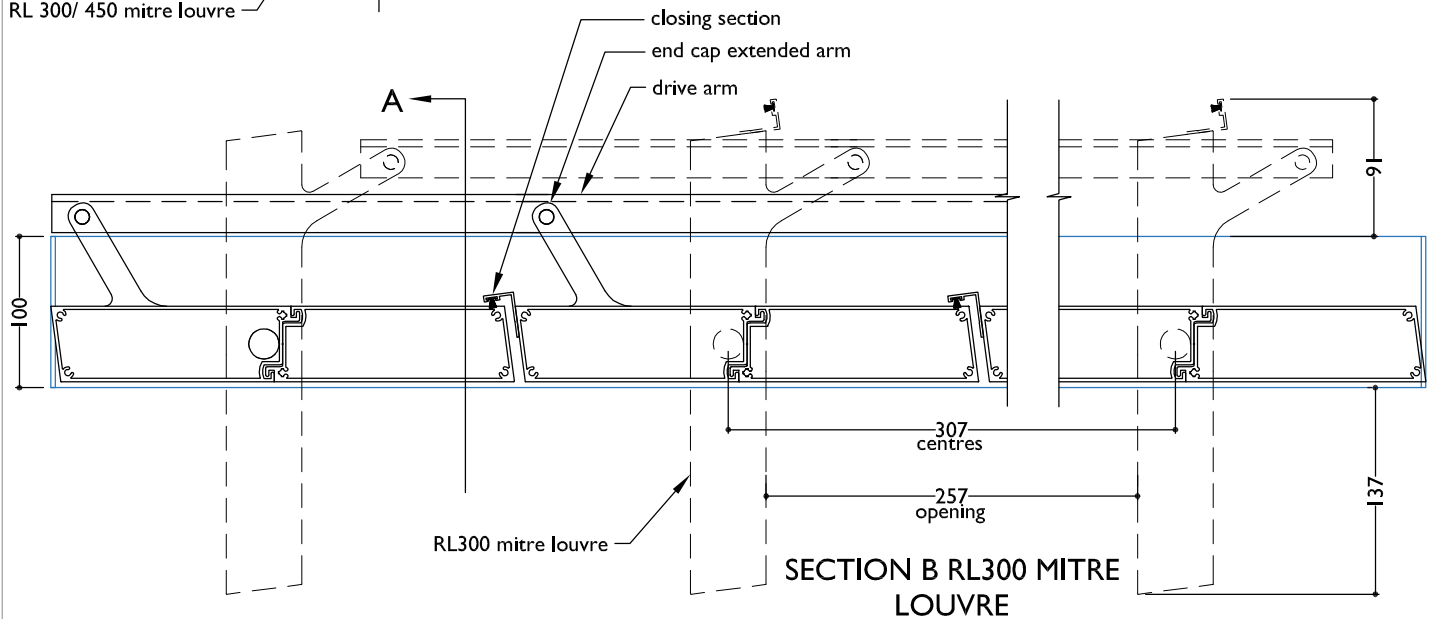
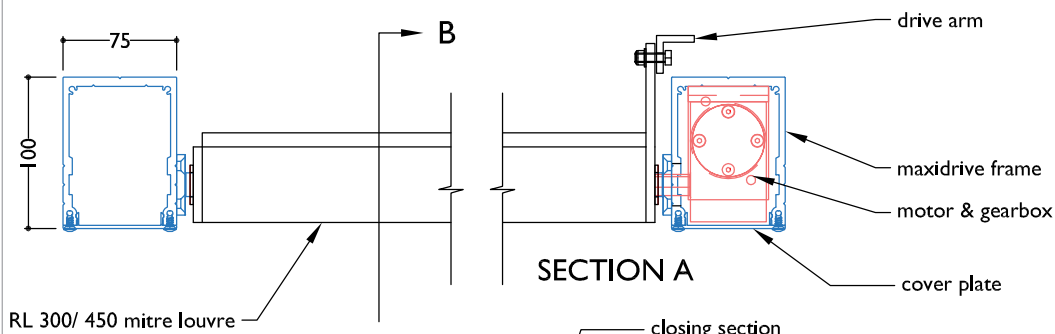


**RL450 MITRE**

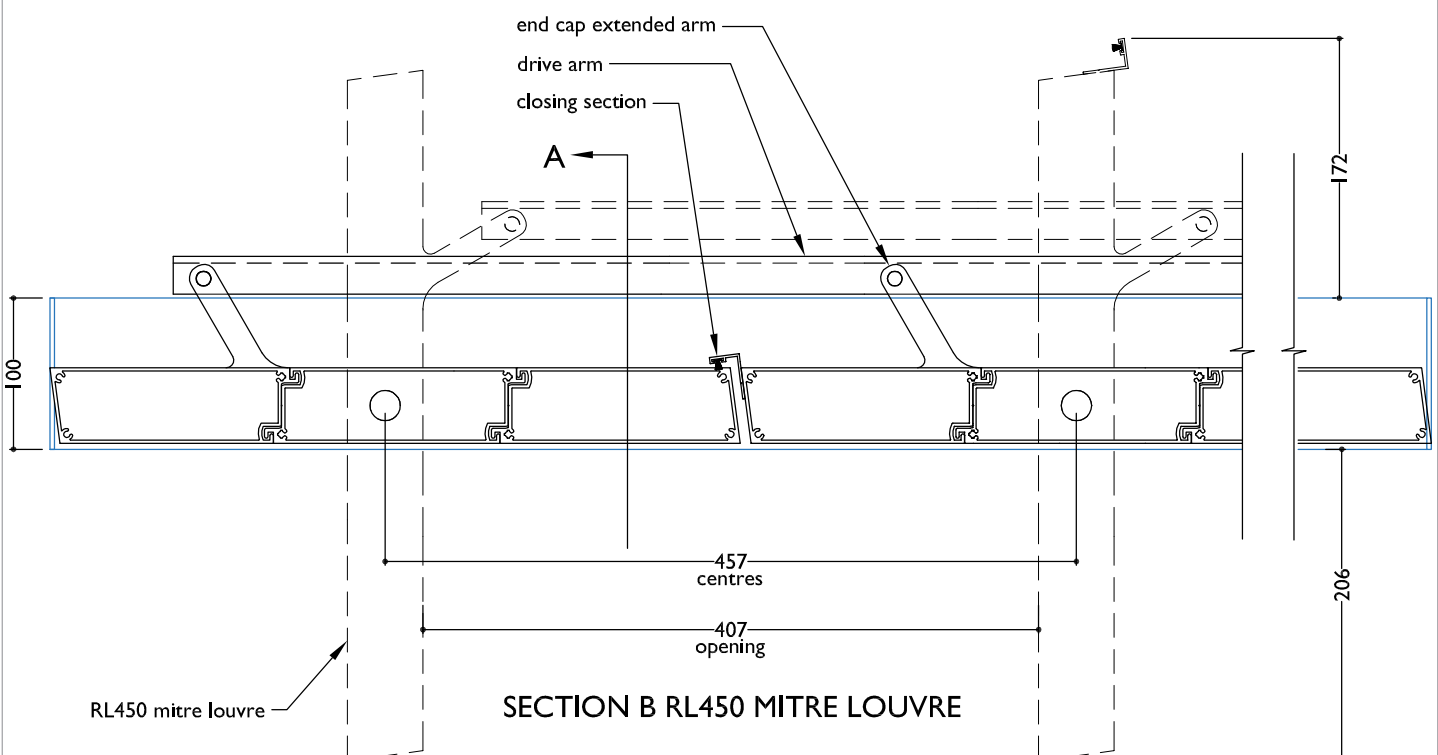
**RL300 MITRE**

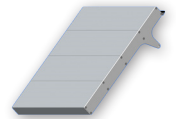
## TYPICAL DETAIL : MAXI DRIVE MOTORISED RL 300 & RL 450 MITRE LOUVRES

### SECTION - MAXI DRIVE MOTORISED RL 300 MITRE LOUVRE



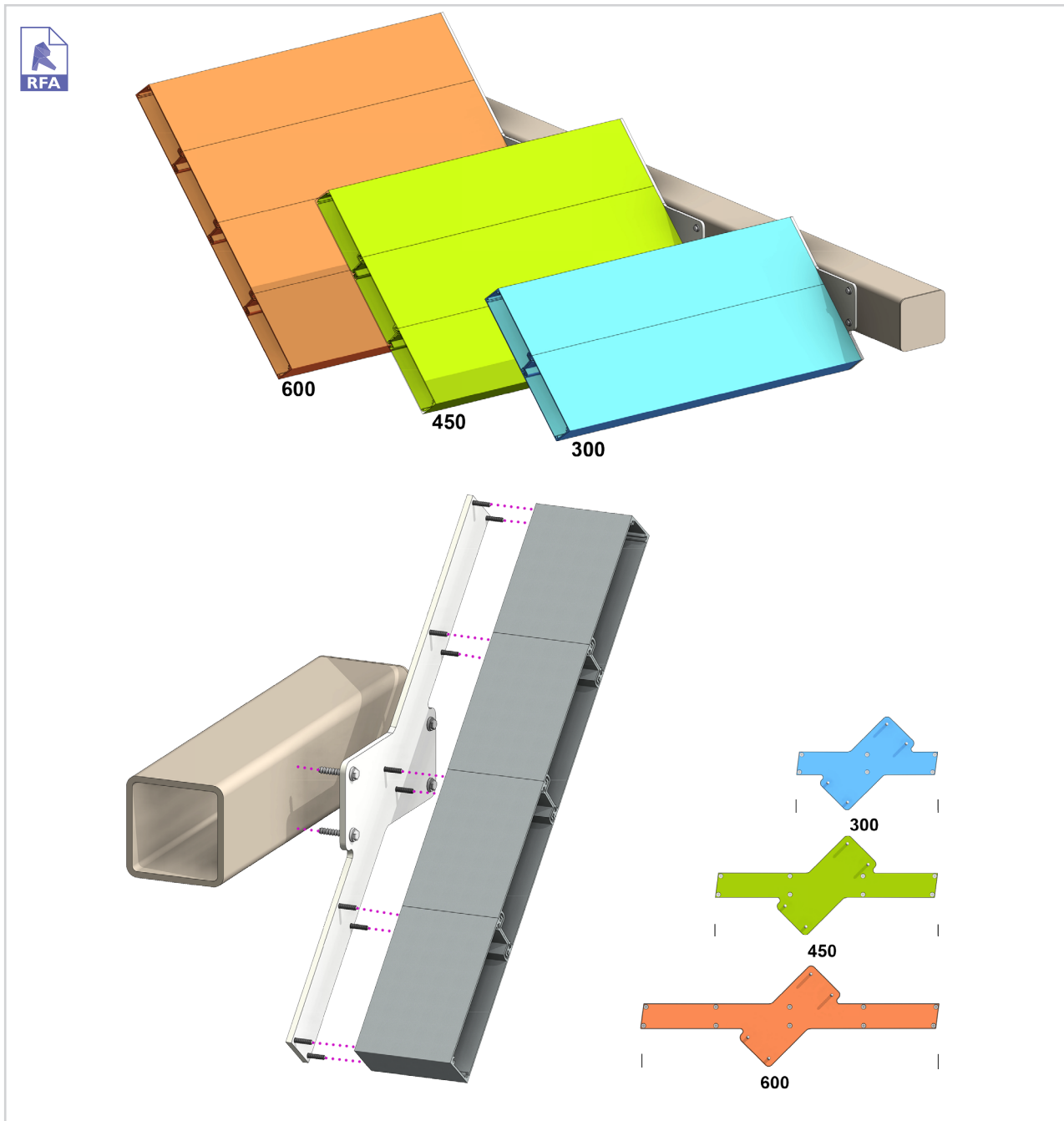
### SECTION - MAXI DRIVE MOTORISED RL 450 MITRE LOUVRE





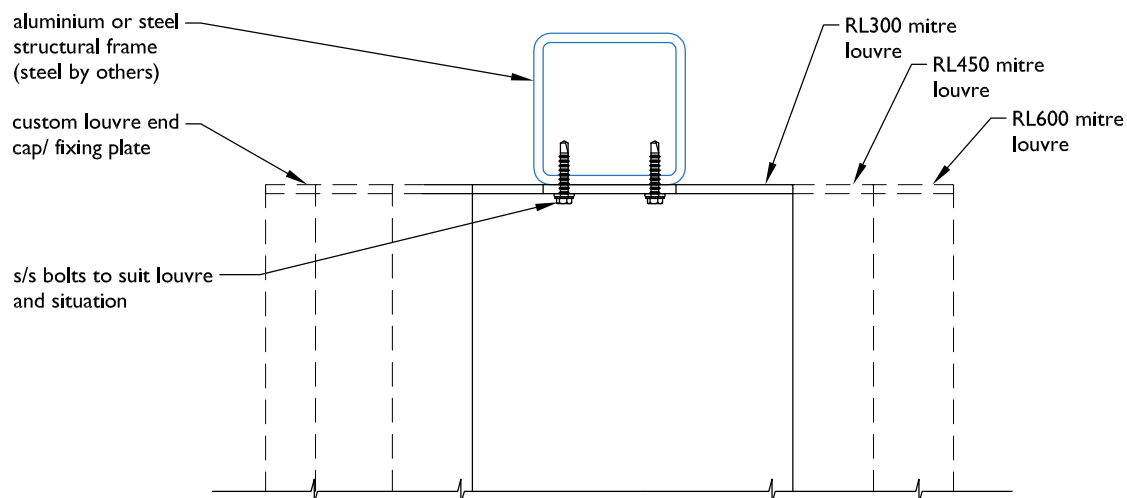
**PRODUCT DETAILS** RL 300/450/600 MITRE END FIXED LOUVRES

**TYPICAL DETAIL 3D FILE** RL 300/450/600 MITRE END FIXED LOUVRES

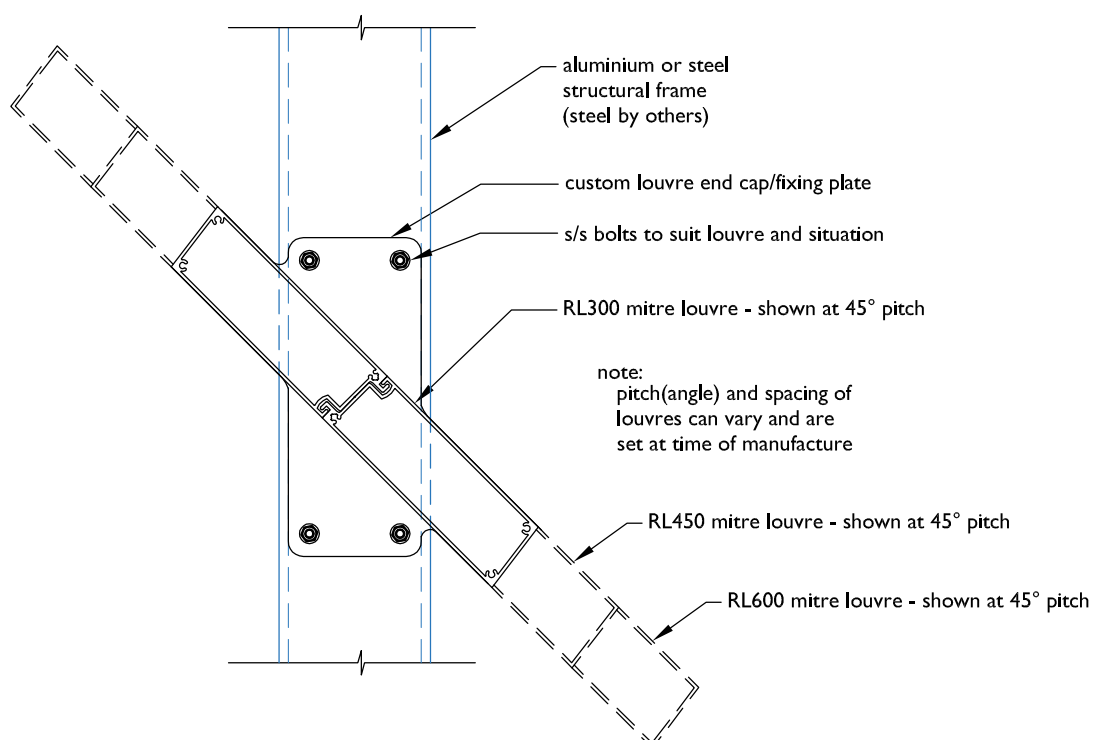


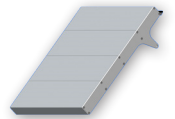
## TYPICAL DETAIL : END FIXED RL 300/450/600 MITRE LOUVRES

### PLAN - END FIXED RL 300/450/600 MITRE LOUVRE



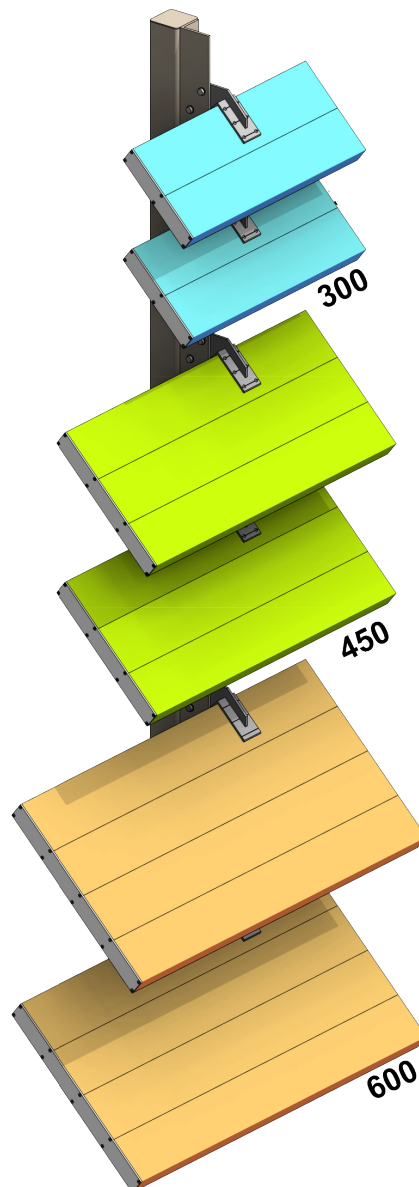
### SECTION - END FIXED RL 300/450/600 MITRE LOUVRE





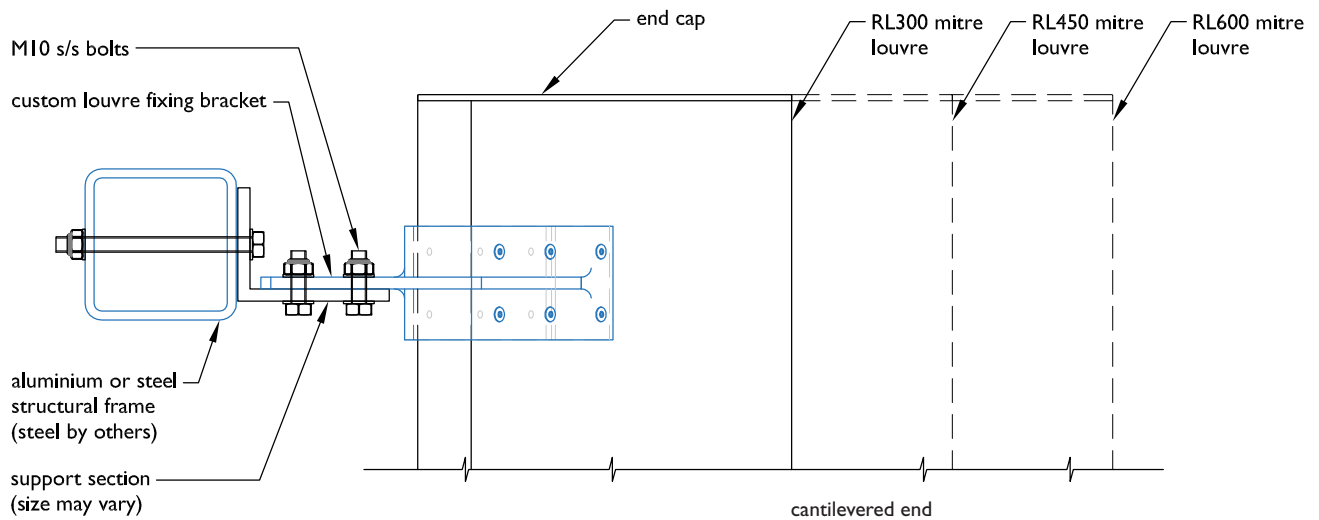
**PRODUCT DETAILS** RL 300/450/600 MITRE BRACKET FIXED LOUVRES

**TYPICAL DETAIL 3D FILE** RL 300/450/600 MITRE BRACKET FIXED LOUVRES



## TYPICAL DETAIL : BRACKET FIXED RL 300/450/600 MITRE LOUVRES

PLAN - BRACKET FIXED RL 300/450/600 MITRE LOUVRE



SECTION - BRACKET FIXED RL 300/450/600 MITRE LOUVRE

