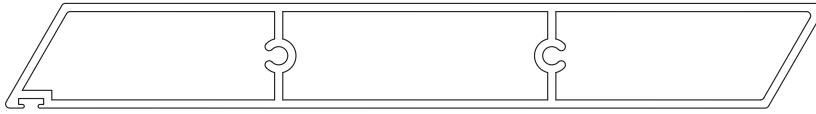


**TECHNICAL DETAILS // 180 LOUVRELINE WEATHERBOARD PANEL - CENTRE OF BLADE PIVOT**



**BLADE SPECIFICATIONS**

- // Blade cover - opening system \_\_\_\_\_ 169 mm                      // Weight per lineal metre \_\_\_\_\_ 2.12 kgm
- // Weight per square metre - opening system \_\_\_\_\_ 13 kg/sqm                      // Actual blade width \_\_\_\_\_ 180 mm
- // Blade centres - opening system \_\_\_\_\_ 169 mm

**SPANS AT A GLANCE**

Important: Refer to section 12 for engineering details. Factors such as climate, terrain, shielding, location, type of structure all contribute to determine spans.

WIND ZONE	INSIDE	LOW	MED	HIGH	VERY HIGH
Factored wind speed at building	Self wt	32m/s-115km/h	37m/s-133km/h	44m/s-158km/h	50m/s-179km/h
Ultimate limit state loads (kPa)		+1.1 & -1.38	+1.48 & -1.85	+2.09 & -2.61	+2.70 & -3.38
180 Weatherboard Panel - Max	3700	3500	3200	2850	2650

**INSTALLATION OPTIONS**

**Note:** When rear pivot panels are over 2000mm in blade span, a connecting rod is required.

**FRAME BOTH SIDES ONLY**

**Span:** Check Engineering Limits

**Pivot:** Example Calculation showing - 17 Blades

**Step 1**

16 blades x 169 (CRS)	= 2704
1 blade @ 180 (Blade Size)	+ 180
17 blades in total	= 2884

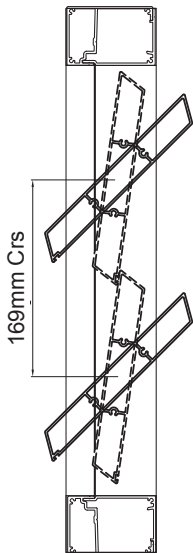
**Step 2**

Blade Cover	2884
+2/5mm Clearance @ ends	= 10
Total exact pivot length	= 2894mm

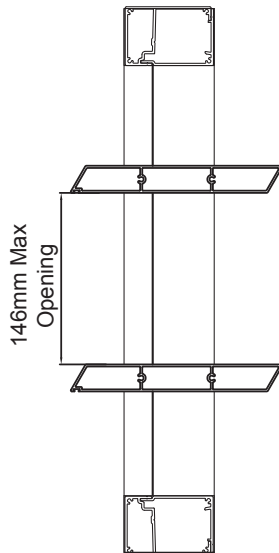
**FRAME FOUR SIDES**

**Total Pivot Length Including frame**

Opening Length	= 2894
+ 2x50mm Frame @ Ends	= 100
Total exact pivot length with frame four sides	= 2994mm



180 Louvreline Weatherboard  
Section view, 45°



180 Louvreline Weatherboard  
Section view, 90°