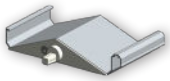
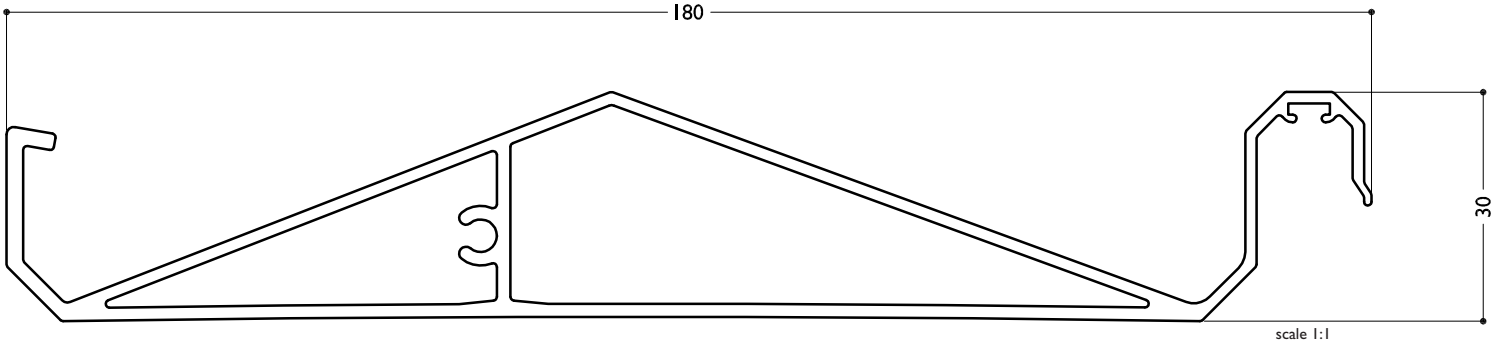


## **TECHNICAL DETAILS** 180 LINEAR ROOF




| BLADE SPECIFICATIONS | | | |
|---|---|---|---|
| Blade cover - opening system | 169 mm | Weight per lineal metre - opening system | 1.84 kg/lm |
| Weight per square metre - opening system | 11 kg/sqm | Actual blade width | 180 mm |
| Blade centres - opening system | 169 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 | Self wt | 32m/s<br>115 km/hr | 37m/s<br>133 km/hr | 44m/s<br>158 km/hr | 50m/s<br>179 km/hr | 55m/s<br>198 km/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 |
| 180 Linear Opening Roof | 3900 | 3750 | 3400 | 3000 | 2700 | 2450 |

## INSTALLATION OPTIONS

### CALCULATE OPTIMUM FRAME OPENING SIZES FOR SPIRAL PIVOT

Span: Check engineering span limits

Pivot: Calculation example showing 17 blades

STEP 1

| | |
|---|---|
| 16 blades x 169 Crs | 2704 |
| 1 blade at 180 (blade size)+ | 180 |
| 17 blades | =2884 |

STEP 2

| | |
|---|---|
| Blade cover | 2884 |
| +2/22mm clearance @ ends = | 44 |
| Total exact pivot length | =2928 |

Extra width 185mm gutter provides cover if clearance increases over 22mm at ends

Blade direction either Right Hand up or Left Hand up.

### CHOOSE DIRECTION OF BLADE PIVOT