



SUBURBAN ROOFS BRINGING CONTROLLABLE SHADE & STYLE. BY LOUVRETEC ADELAIDE

200 SUBURBAN ROOF

Quality & economy in mind

Designed with quality and economy in mind the engineered 200 Suburban Roof blades provide wide spanning capabilities.

Using the highest grade aluminium every aspect is fully engineered and backed by Louvretec's product and workmanship warranty and powered by Somfy.

Now comes with a new extruded motor cover and a 185mm extra wide gutter to all four sides as standard.



200 SUBURBAN ROOF



200 SUBURBAN ROOF
BLADES CLOSED



200 SUBURBAN ROOF
BLADES OPENING

MOTORISED OR HAND OPERATED

Controller and
Sensor Options
Refer Pages
2.17 - 2.18
for range of options



SURFACE FINISHING OPTIONS

A wide range of options are available.



POWDERCOAT

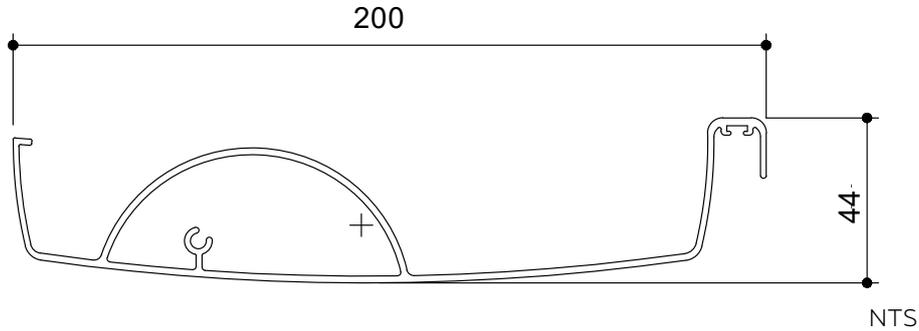
WOODGRAIN &
SPECIAL FINISHES

METALLIC ANODISED

OPENING ROOFS SPECIFICATIONS



TECHNICAL DETAILS 200 SUBURBAN ROOF



| BLADE SPECIFICATIONS | | | |
|--|--------------|--|-------------|
| Blade cover - opening system | 188 mm | Weight per linear metre - opening system | 1.928 kg/lm |
| Weight per square metre - opening system | 10.25 kg/sqm | Actual blade width | 200 mm |
| Blade centres - opening system | 188 mm | | |

SPANS AT A GLANCE

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 | 32 m/s | 37m/s | 44 m/s | 50 m/s | 55 m/s |
| | | 115 km/hr | 133 km/hr | 158 km/hr | 179 km/hr | 198 km/hr |
| 200 Suburban Roof 3m Height | 4500 | 4500 | 4500 | 4000 | 3600 | 3300 |
| 200 Suburban Roof 6m Height | | 4500 | 4500 | 3800 | 3250 | 3000 |

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 188 Crs | 3008 |
| 1 blade at 200 (blade size) | + 200 |
| 17 blades | = 3208 |

STEP 2

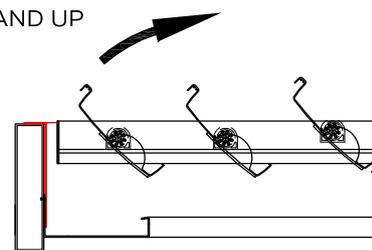
| | |
|--------------------------|--------|
| Blade cover | 3208 |
| +2/22mm clearance @ ends | = 44 |
| Total exact pivot length | = 3252 |

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

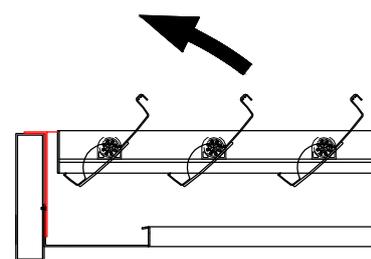
Blade direction either Right Hand up or Left Hand up.

CHOOSE DIRECTION OF BLADE PIVOT

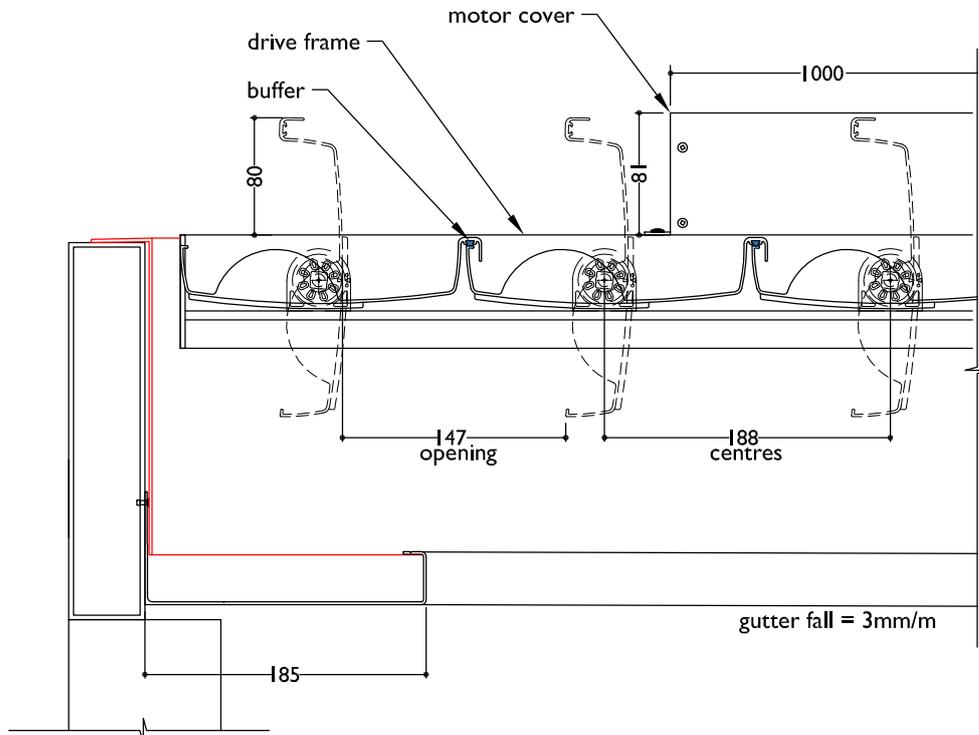
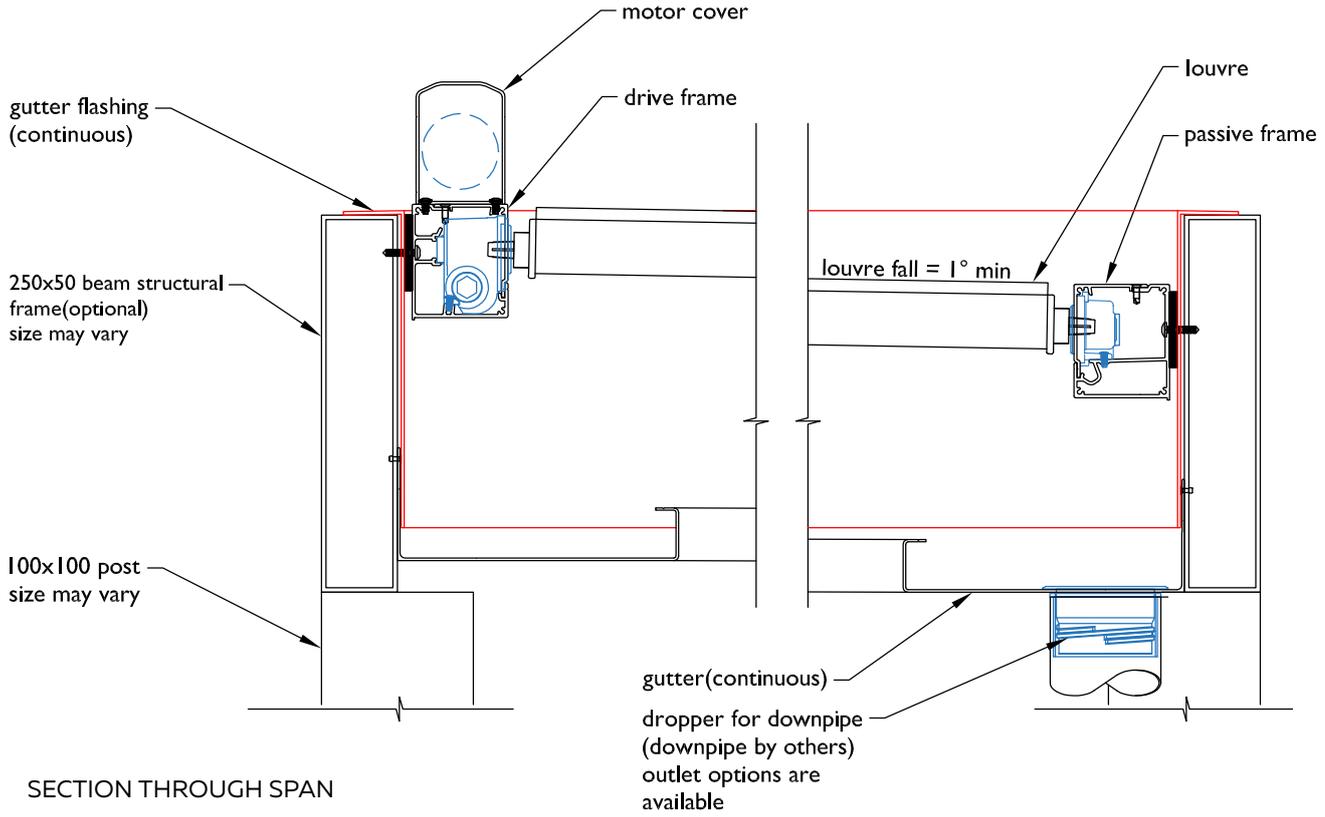
LEFT HAND UP



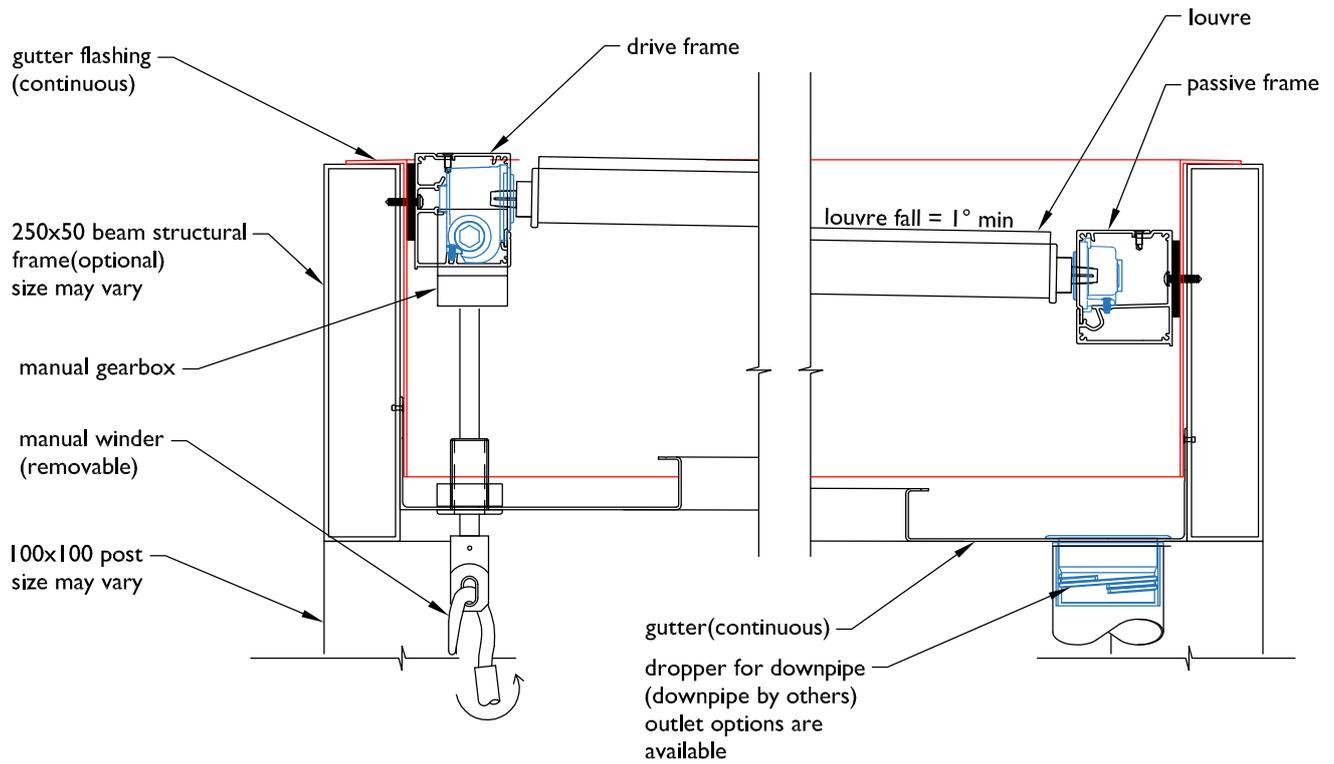
RIGHT HAND UP



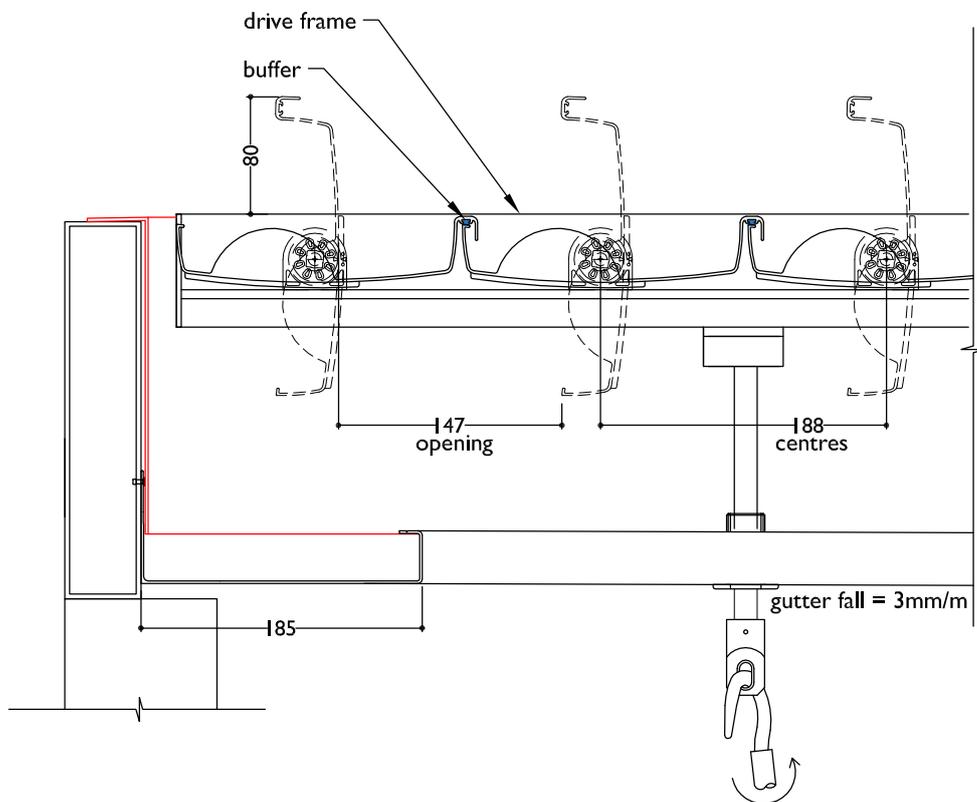
**TYPICAL DETAIL : MOTORISED 200 SUBURBAN ROOF
WITHIN LOUVRETEC STRUCTURAL FRAME**



**TYPICAL DETAIL : HAND OPERABLE 200 SUBURBAN ROOF
WITHIN LOUVRETEC STRUCTURAL FRAME**



SECTION THROUGH SPAN



SECTION THROUGH LOUVRES