EVERYTHING HAS A FLOW TO THE OUTDOORS
BY LOUVRETEC CANTERBURY

220/45 ALPINE ROOF

A Multi-purpose Louvre blade compatible as a Standard Spiral Pivot Roof as well as a Retract

For Larger Spans

This Roof replaces the 200 Super Roof Heavy option and is a larger spanning version of the 220/35 Slimline Roof. The 220/45 Alpine Roof leads the way with outstanding spanning capabilities – Ideal for high wind zone and alpine regions.

Key Features

- Sleek, functional design, clean and uncluttered when open or closed
- Design strength of an extruded double box-section
- Somfy powered or hand-operated award winning Spiral Pivot operating system
- "Cushion Closing" onto an external sun-resistant PVC bulb seal
- Increased closing cover angle for added weather protection
- Larger blade gutter incorporated for extra storm-water dispersal

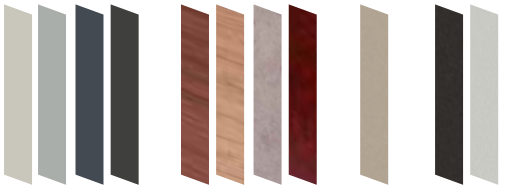
220/45 ALPINE ROOF BLADE
Available Spiral Pivot or Retract

RETRACT

- Due to the extended span of this blade, the 220/45 Alpine Louvre has a 20x3 End Cap Connecting Bar fitted below the blade to eliminate any individual blade movement in extreme conditions.

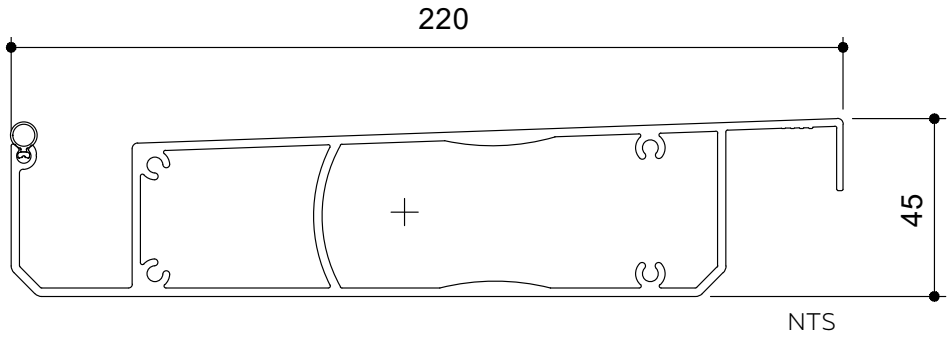
MOTORISED OR HAND OPERATED
Controller and
Sensor Options
Refer Pages
2.17 - 2.18
for range of options

SURFACE FINISHING OPTIONS
A wide range of options are available.



POWDERCOAT | WOODGRAIN & SPECIAL FINISHES | METALLIC | ANODISED

BLADE SPECIFICATIONS 220/45 ALPINE ROOF
(RETRACT COMPATIBLE)



BLADE SPECIFICATIONS			
Blade cover - opening system	205 mm	Weight per linear metre - opening system	3.74 kg/lm
Weight per square metre - opening system	18.2 kg/sqm	Actual blade width	220 mm
Blade centres - opening system	205 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
220/45 Alpine Roof **3m Height**	5000	5000	5000	5000	5000	5000
220/45 Alpine Roof **6m Height**		5000	5000	5000	5000	4700

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 205 Crs	3280
1 blade at 220 (blade size)	+ 220
17 blades	= 3500

STEP 2

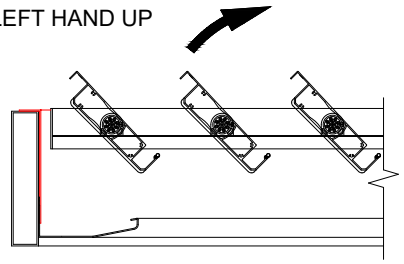
Blade cover	3500
+2/22mm clearance @ ends	+ 44
Total exact pivot length	= 3544

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

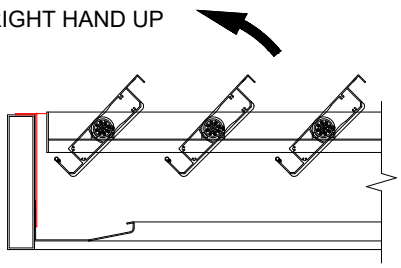
Blade direction either right hand up or left hand up.

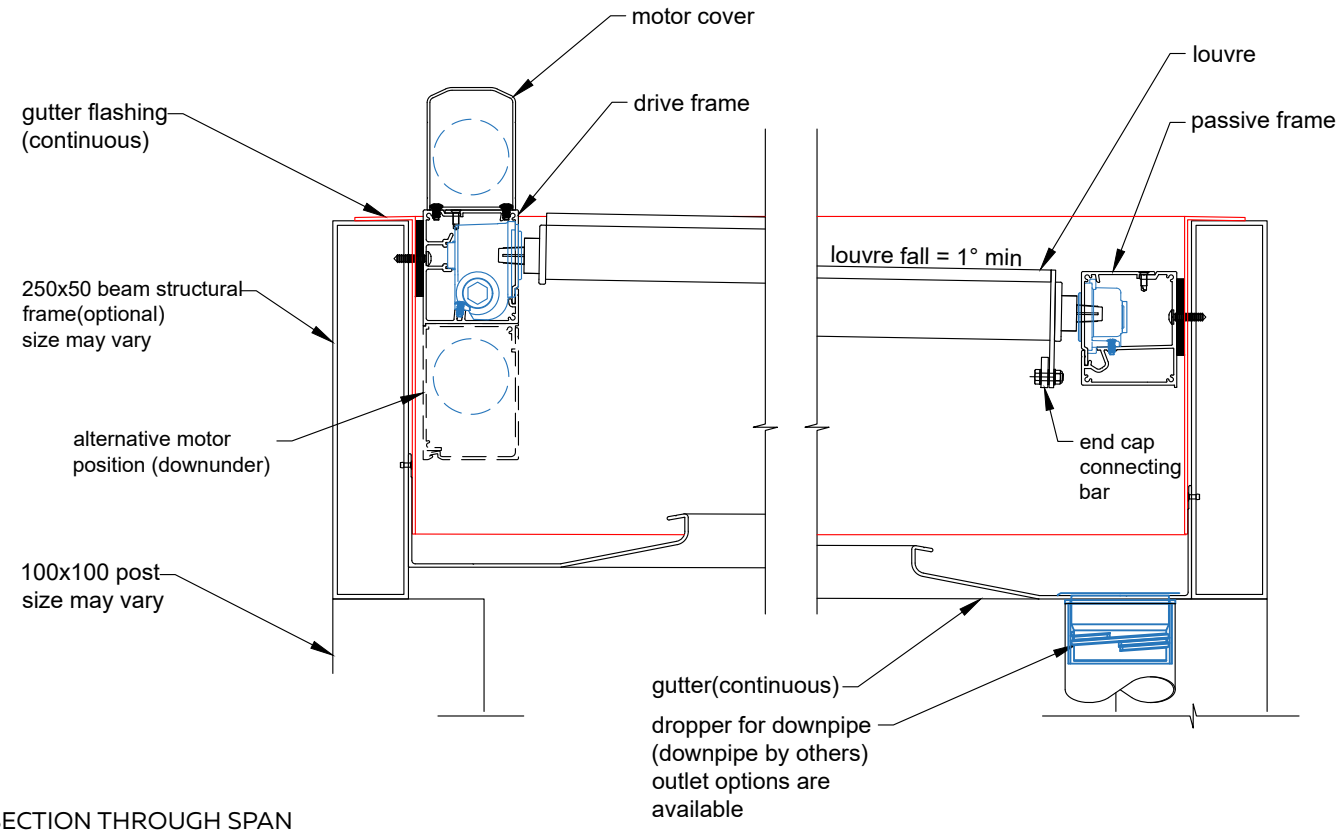
CHOOSE DIRECTION OF BLADE PIVOT

LEFT HAND UP

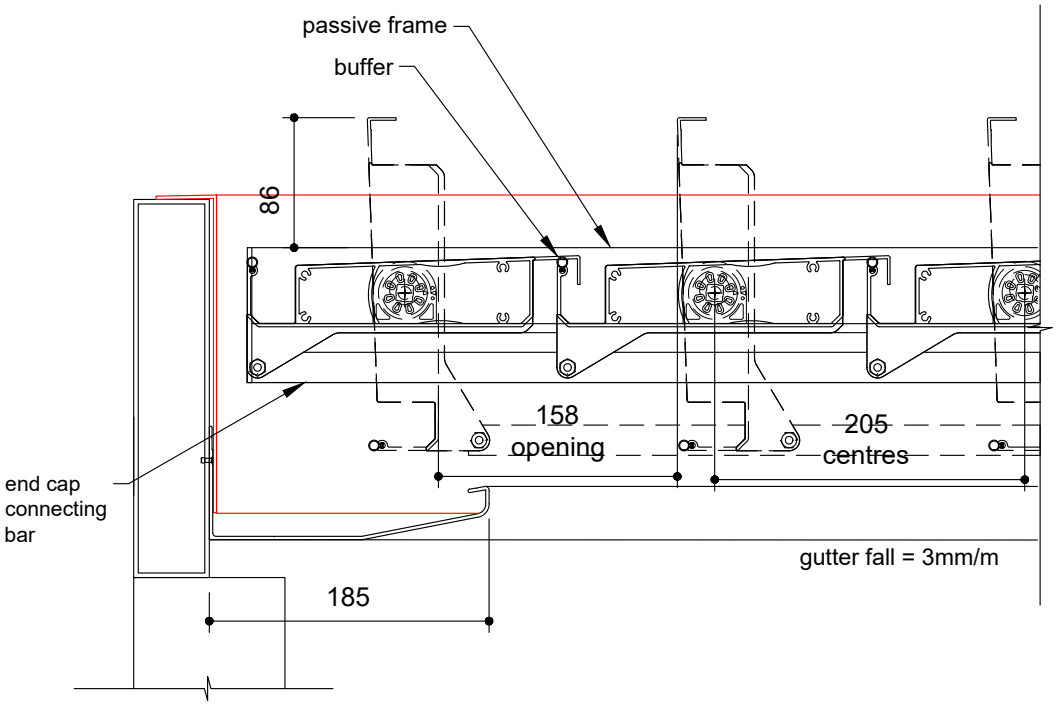


RIGHT HAND UP



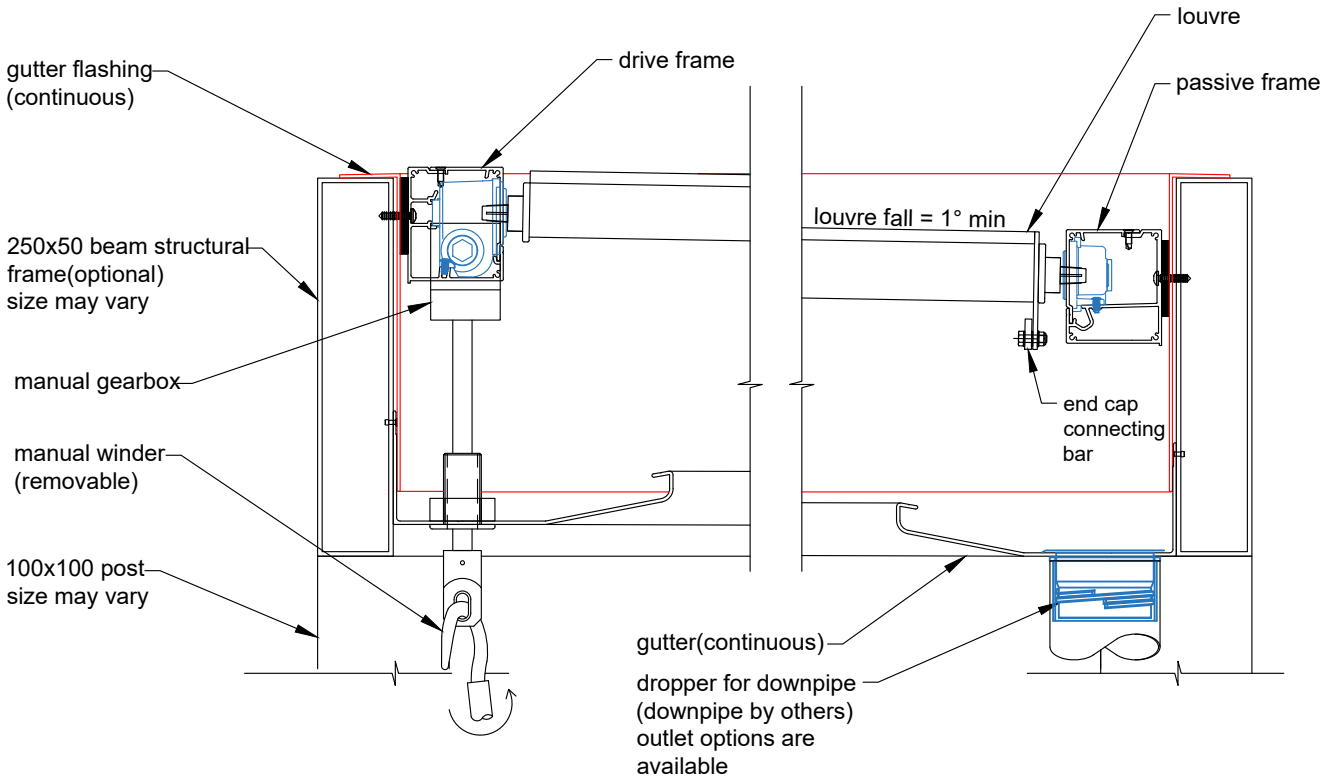


SECTION THROUGH SPAN

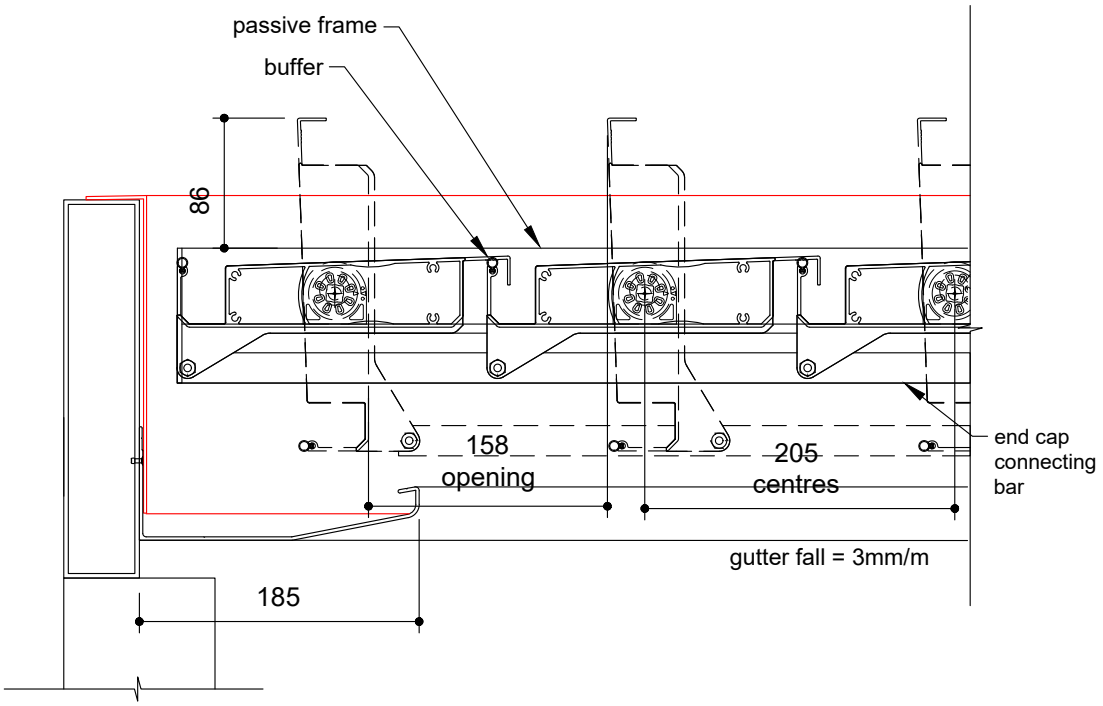


SECTION THROUGH LOUVRES

TYPICAL DETAIL : MANUAL 220/45 ALPINE ROOF WITHIN LOUVRETEC STRUCTURAL FRAME



SECTION THROUGH SPAN



SECTION THROUGH LOUVRES

FILE: OPENING ROOFS 2.34 DATE MODIFIED: 01/10/2024 SCALE:

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