

Louvretec 220/45 **retract alpine*** **roof**

**For larger spans, typically alpine and coastal locations*

Outstanding span and multi-purpose

The Louvretec 220/45 retract alpine* roof leads the way with outstanding spanning capabilities making it ideal for high wind zones and alpine regions.

This retract roof is a larger spanning version of the 220 retract slimline roof.

Key Features

- Winner of the Window Shading Association of Australia (WSAA) Product Innovation Award, 2026
- This louvre blade is compatible as a retract roof as well as a Spiral Pivot Roof system, making it a perfect solution for multi-roof projects
- Sleek, functional design, clean and uncluttered when open or closed
- Design strength of an extruded double box-section
- Somfy powered
- "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

Market Leading Design

Motorised by powerful twin Somfy Tubular motors, a multi-purpose Louvretec controller comes as standard. The system can also be configured for home automation technology.

All the operating mechanism. Electronics and motors are incorporated within the side frame extrusions, completely hidden from sight and protected from the weather.

Louvretec Retracts are factory assembled, tested and calibrated as part of the manufacturing process. They come to site pre-wired ready for the electrician to connect through a standard junction box.



WAIPU COVE, NORTHLAND NZ



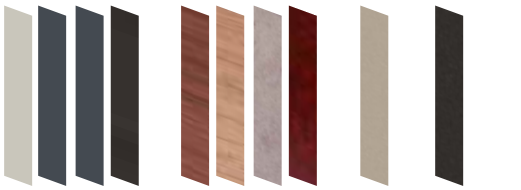
Louvretec 220/45 retract alpine* roof blade
Available Retract or Spiral Pivot

RETRACT



LOUVRETEC MULTI-CHANNEL CONTROLLER
Custom programmed.

SURFACE FINISHING OPTIONS
A wide range of options are available.

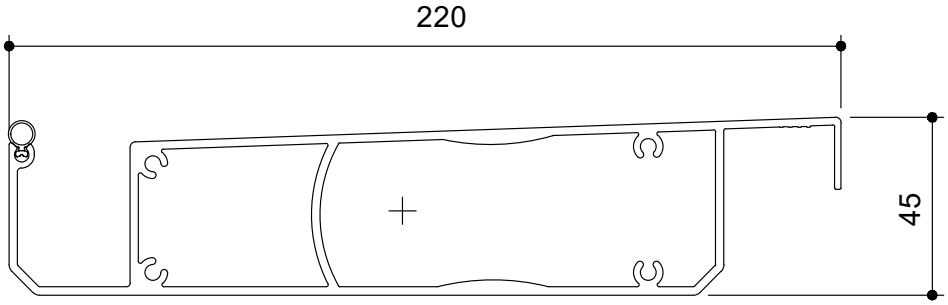


POWDERCOAT | WOODGRAIN & SPECIAL FINISHES | METALLIC | ANODISED

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BLADE SPECIFICATIONS Louvretec 220/45 retract alpine* roof



***For larger spans, typically alpine and coastal locations** NTS

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.

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
Louvretec 220/45 retract alpine* roof **3m Height**	5000	5000	5000	5000	5000	5000
Louvretec 220/45 retract alpine* roof **6m Height**		5000	5000	5000	5000	4700

TYPICAL CROSS SECTIONS



Louvretec 220/45 retract alpine* roof
BLADES OPEN



Louvretec 220/45 retract alpine* roof
BLADES RETRACTED

Retracted area:
Approx. 25% of opening

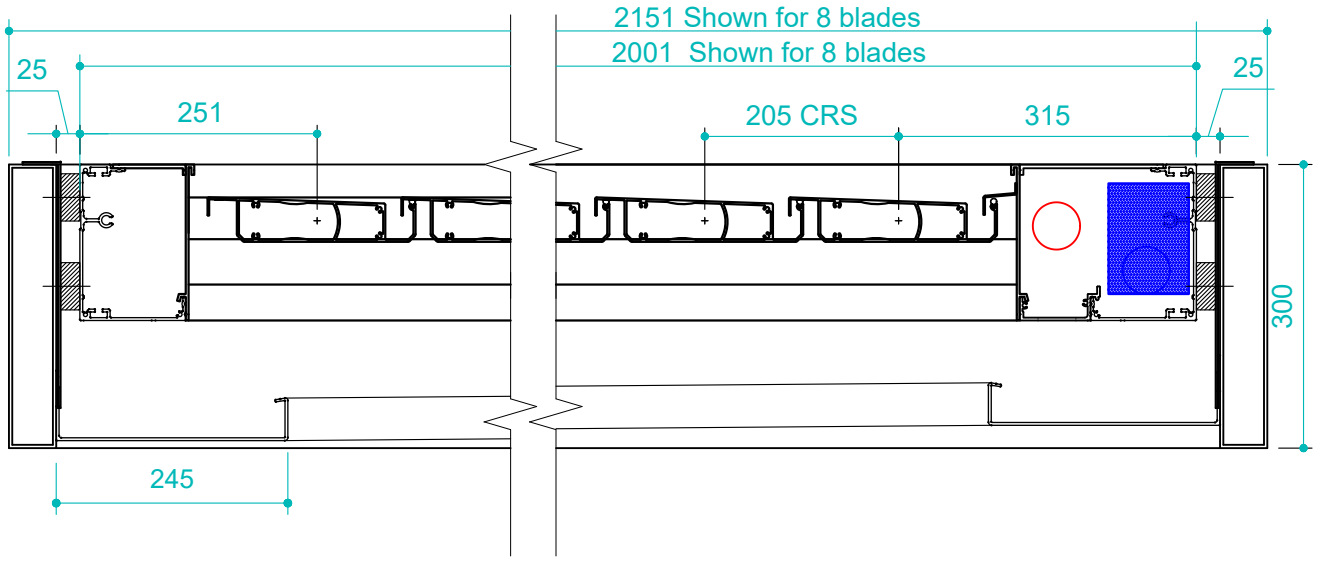
TO CALCULATE EXACT OPENING SIZES FOR RETRACT SYSTEM
REFER TO PAGES 3.24 - 3.35 (DEPENDING ON FRAME CHOICE) IN THIS SECTION

SNOW LOADINGS
REFER ENGINEERING SECTION, PAGES 13.31 & 13.32

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TYPICAL DETAIL : Cross sections Louvretec 220/45 retract alpine* roof, within 300x50 aluminium structural frame

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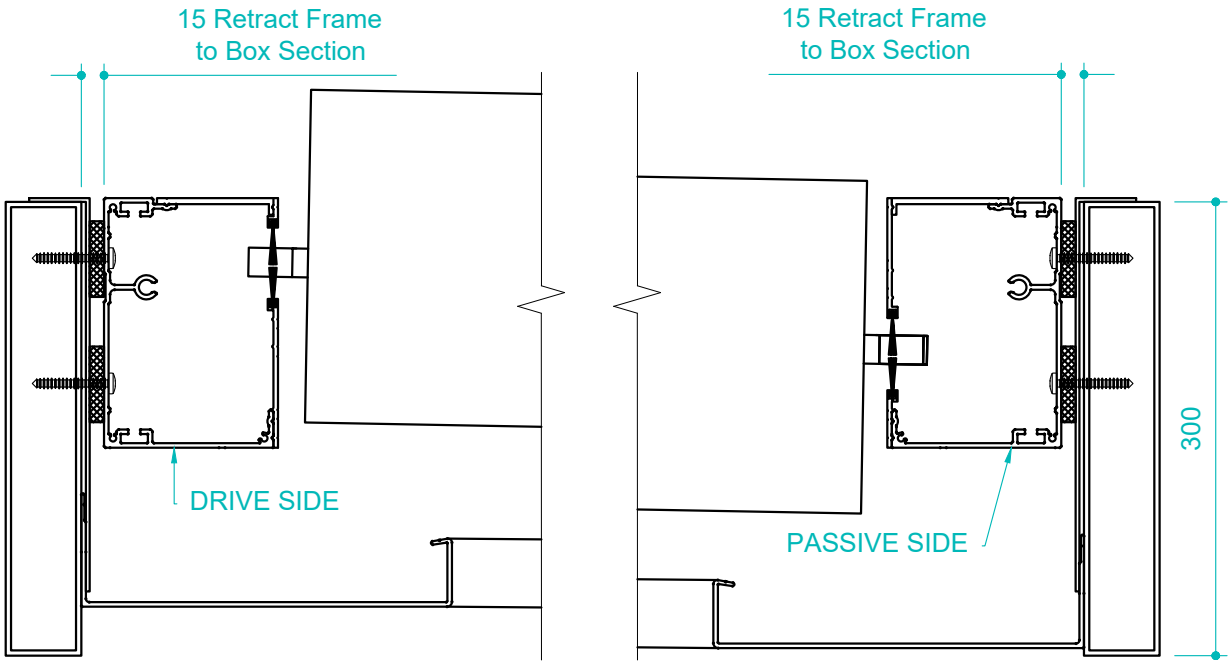


CROSS SECTION THROUGH BLADES

THIS DIMENSION IS CRITICAL AND IS DETERMINED BY THE NUMBER OF BLADES USED AND THE CONFIGURATION OF THE RETRACT ROOF.

FOR RETRACT BLADE CALCULATION SHEETS

REFER TO PAGES 3.24 - 3.35 (DEPENDING ON FRAME CHOICE) IN THIS SECTION



CROSS SECTION RUNNING WITH BLADES

THIS DIMENSION IS FLEXIBLE AND LIMITED ONLY BY SPANNING CAPABILITY OF RETRACT BLADE.

FOR RETRACT BLADE SPAN CHART

REFER TO PAGE 3.15 IN THIS RETRACT ROOF SECTION

FILE: RETRACT 3.16

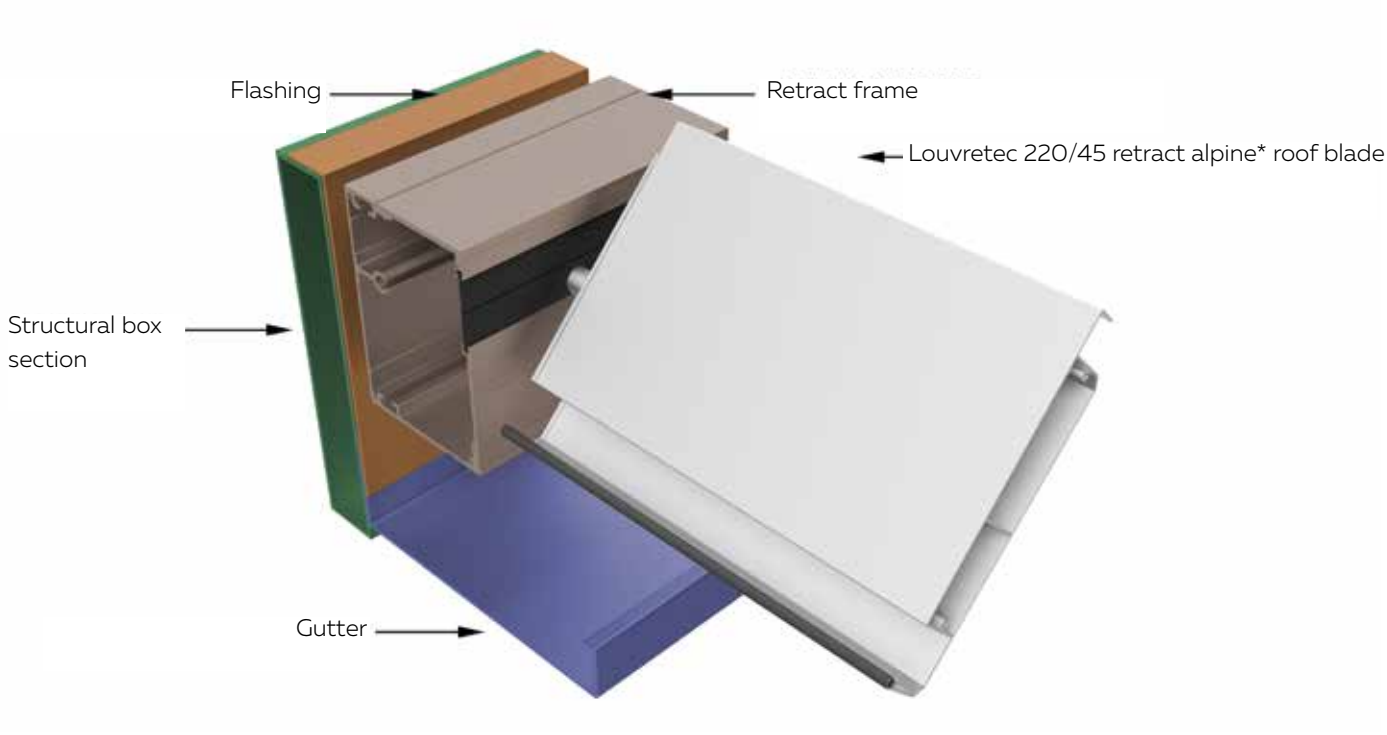
DATE MODIFIED: 01/10/2026 SCALE:

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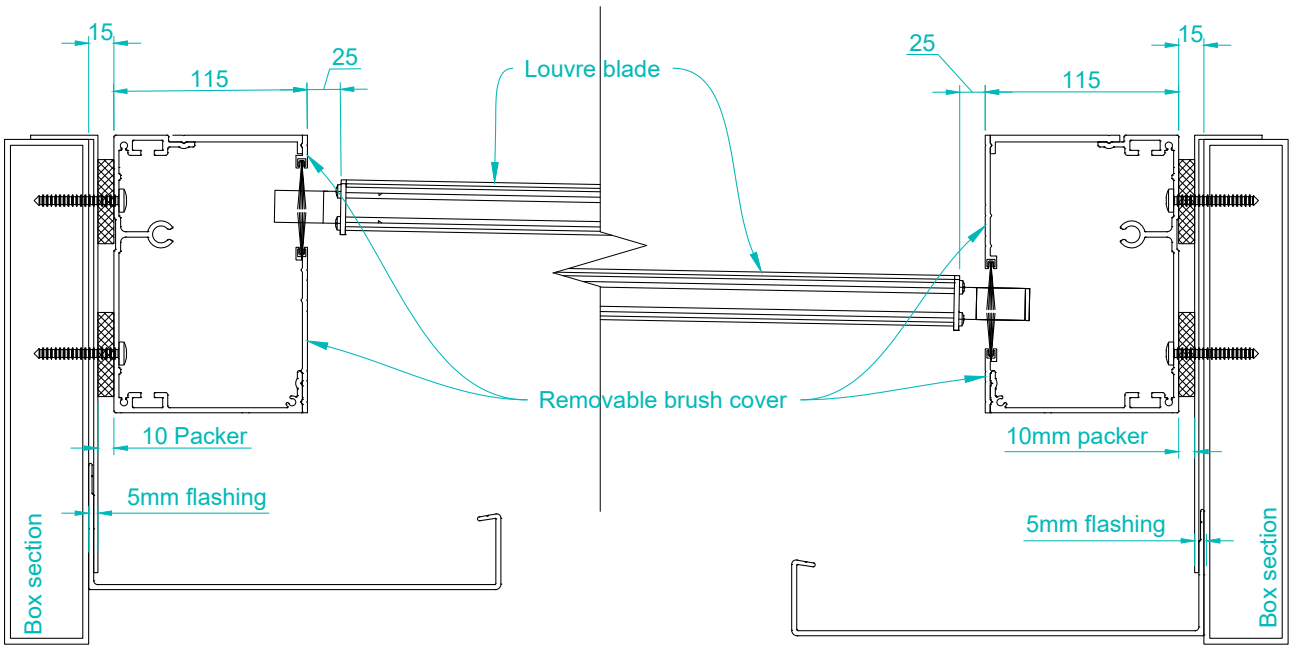
TYPICAL DETAIL: Louvretec 220/45 retract alpine* roof, within Louvretec structural frame

*For larger spans, typically alpine and coastal locations



CROSS SECTION SHOWING DRIVE FRAME, BLADE, GUTTER & FLASHING WITHIN 300X50 BOX SECTION FRAME

TYPICAL DETAIL : FALL & CLEARANCES ON RETRACT BLADES



DRIVE SIDE
HIGH SIDE OF BLADE

PASSIVE SIDE
LOW SIDE OF BLADE

RETRACT ROOFS ARE TYPICALLY INSTALLED LEVEL
FALL ACROSS THE BLADES IS ACHIEVED WITH THE BLADES SET HIGHER ON THE DRIVE SIDE, FALLING 60mm TO THE PASSIVE SIDE.

60mm FALL IS COMMON ON ALL RETRACTS IRRESPECTIVE OF BLADE LENGTH.

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