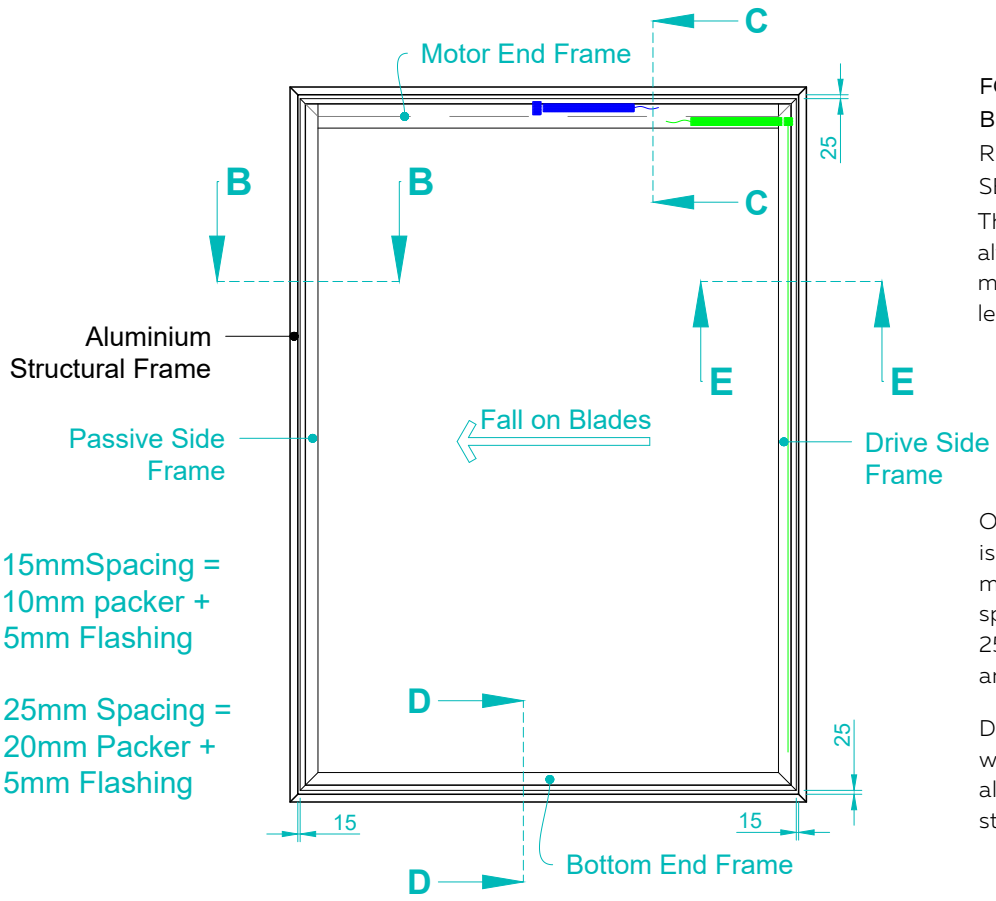
CALCULATING RETRACT FRAME SIZES

The overall length of a Louvretec Retract Roof is a module size pre-determined by the frame configuration, ie: 3 sided frame or 4 sided frame plus the number of blades.

OPTION 2: FOUR SIDED FRAME

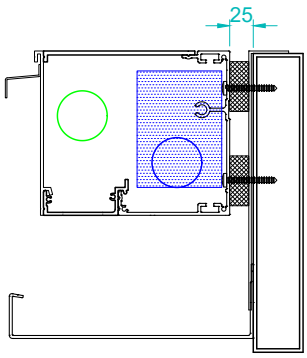


FOR RETRACT FOUR SIDED BLADE CALCULATIONS SHEETS REFER TO PAGES 3.30 - 3.35 IN THIS SECTION

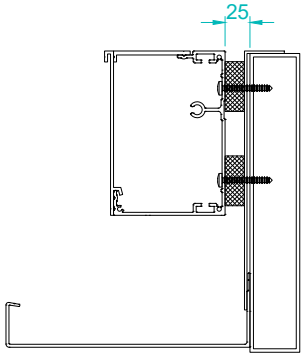
These sizes cannot be varied or altered. Take great care when site measuring and calculating frame length.

On a 4 sided frame additional room is required to site assemble the mitred corners, therefore 15mm spacing is allowed for sides with 25mm spacing allowed on the top and bottom frames.

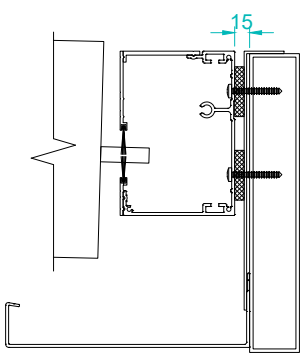
Due to the additional depth required with a Retract Roof a 300x50 aluminium box section is the standard structural outer frame.



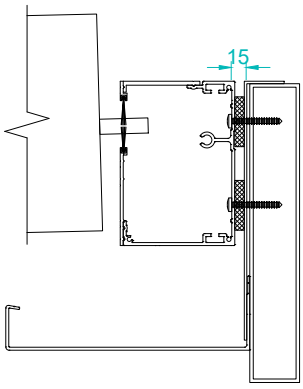
Section C-C
Top End Frame



Section D-D
Bottom End Frame



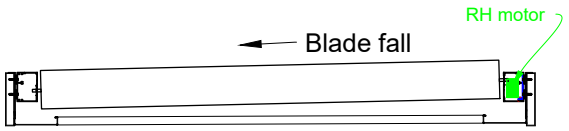
Section B-B
Passive Side Frame



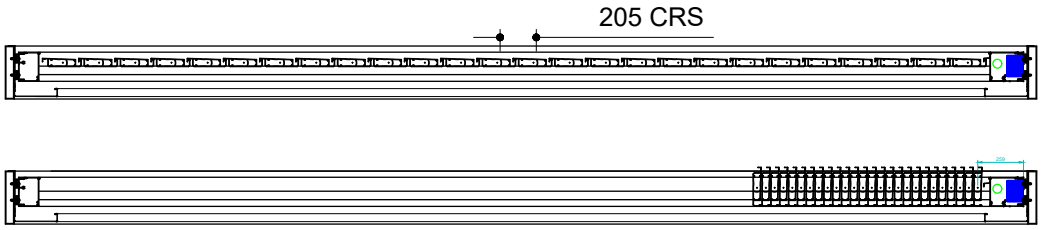
Section E-E
Drive Side Frame

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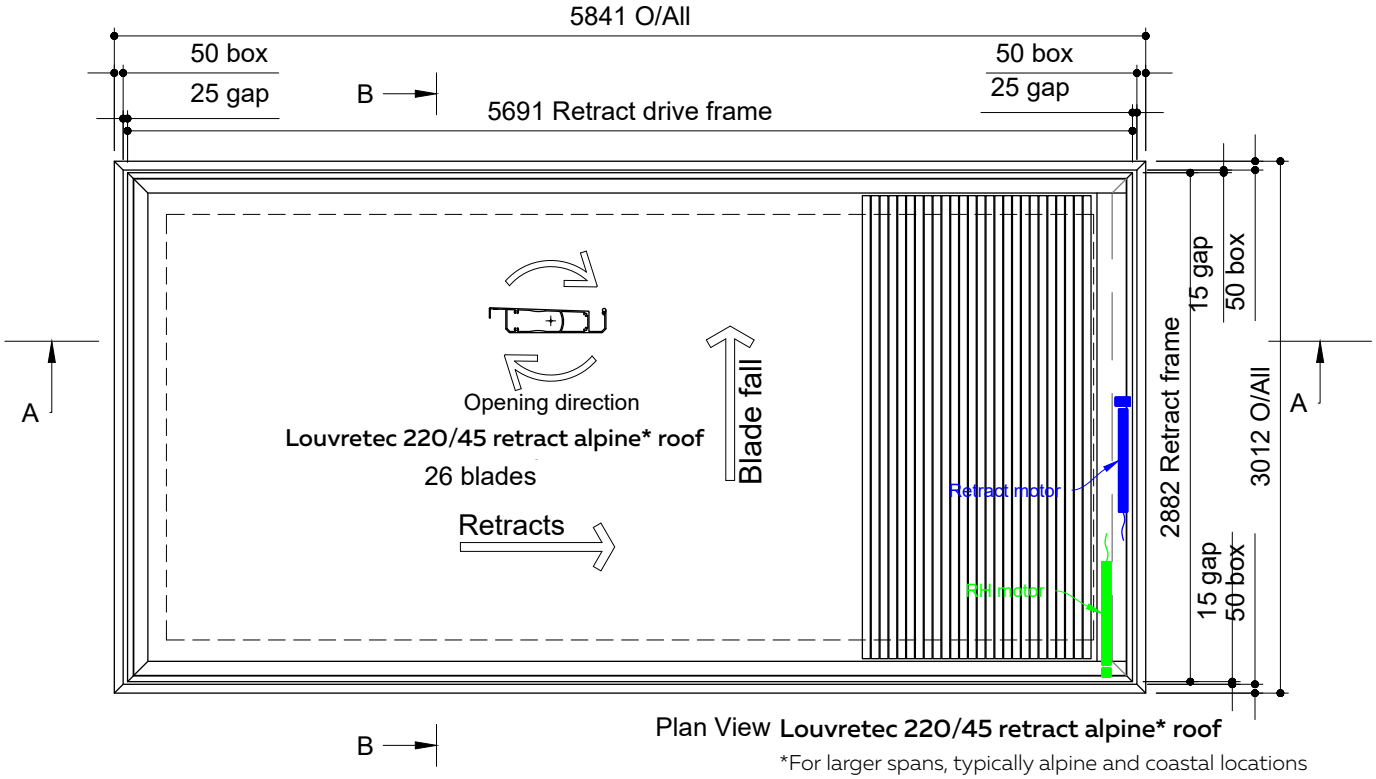
TYPICAL DETAIL : 4 SIDED RETRACT ROOF
WITHIN 300X50 ALUMINIUM STRUCTURAL FRAME, BLADES STACK TO ONE END



Section B-B



Section A-A



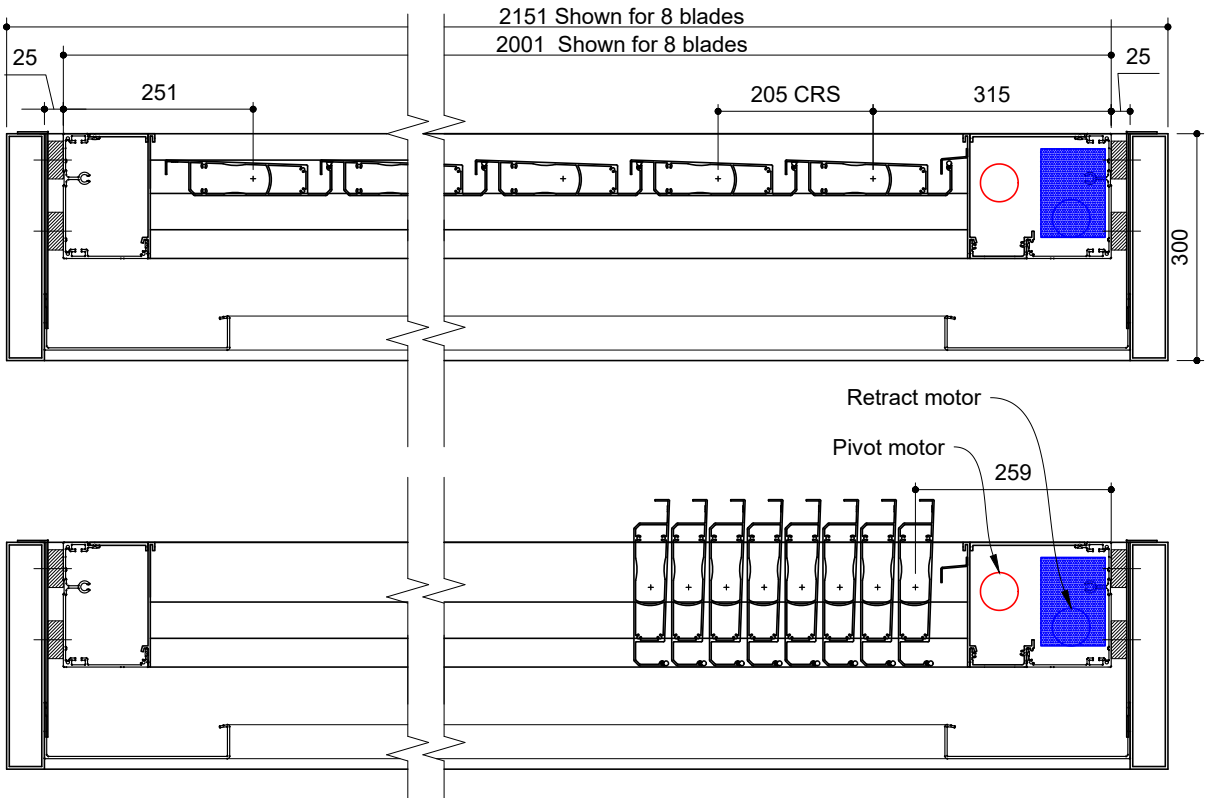
Plan View **Louvretec 220/45 retract alpine* roof**

*For larger spans, typically alpine and coastal locations

EXAMPLE: 26 BLADES, 4 SIDED RETRACT ROOF SITTING WITHIN 300X50 ALUMINIUM STRUCTURAL FRAME. BLADES STACK TO ONE END.

FOR RETRACT BLADE CALCULATION SHEET
REFER TO PAGE 3.29 IN THIS RETRACT ROOF SECTION

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Retract module sizes with Somfy Motors			
Retract Frame 4 sides, Blades retracting to one side			
		Fitting into frame by others	Including our 300x50 frame
No of Blades	Retract Drive & Passive Frames	Clearance +25 +25	Box Frame +50 +50
8	2001	2051	2151
9	2206	2256	2356
10	2411	2461	2561
11	2616	2666	2766
12	2821	2871	2971
13	3026	3076	3176
14	3231	3281	3381
15	3436	3486	3586
16	3641	3691	3791
17	3846	3896	3996
18	4051	4101	4201
19	4256	4306	4406
20	4461	4511	4611
21	4666	4716	4816
22	4871	4921	5021
23	5076	5126	5226
24	5281	5331	5431
25	5486	5536	5636
26	5691	5741	5841
27	5896	5946	6046
28	6101	6151	6251
29	6306	6356	6456
30	6511	6561	6661
31	6716	6766	6866
32	6921	6971	7071