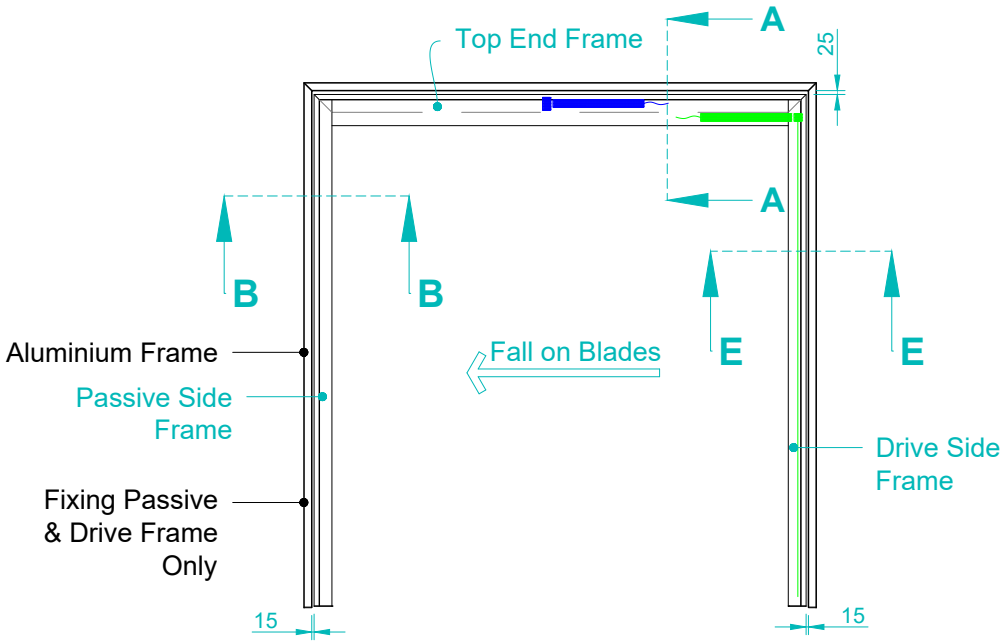
CONFIGURATIONS **OPTION 1: 3 SIDED FRAME**

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 1: THREE SIDED FRAME



FOR RETRACT THREE SIDED BLADE CALCULATIONS SHEETS REFER TO PAGES 3.23 - 3.24 IN THIS SECTION

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

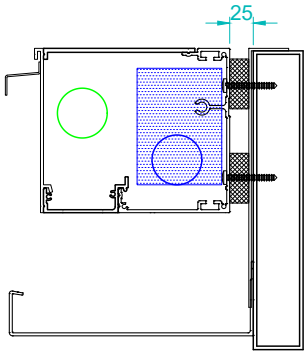
On a 4 sided frame additional room is required to site assemble the mitred corners, therefore 15mm spacing is allowed for sides with 25mm spacing allowed on the top and bottom frames.

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

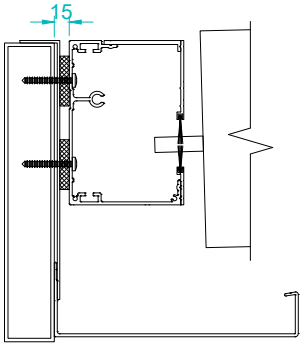
15mm SPACING
= 10mm PACKER = 5mm FLASHING

25mm SPACING
= 20mm PACKER + 5mm FLASHING

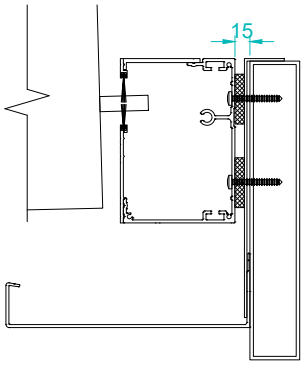
TYPICAL ALLOWANCE FOR PACKERS ON A 3 SIDED FRAME



Section A-A
Top End Frame

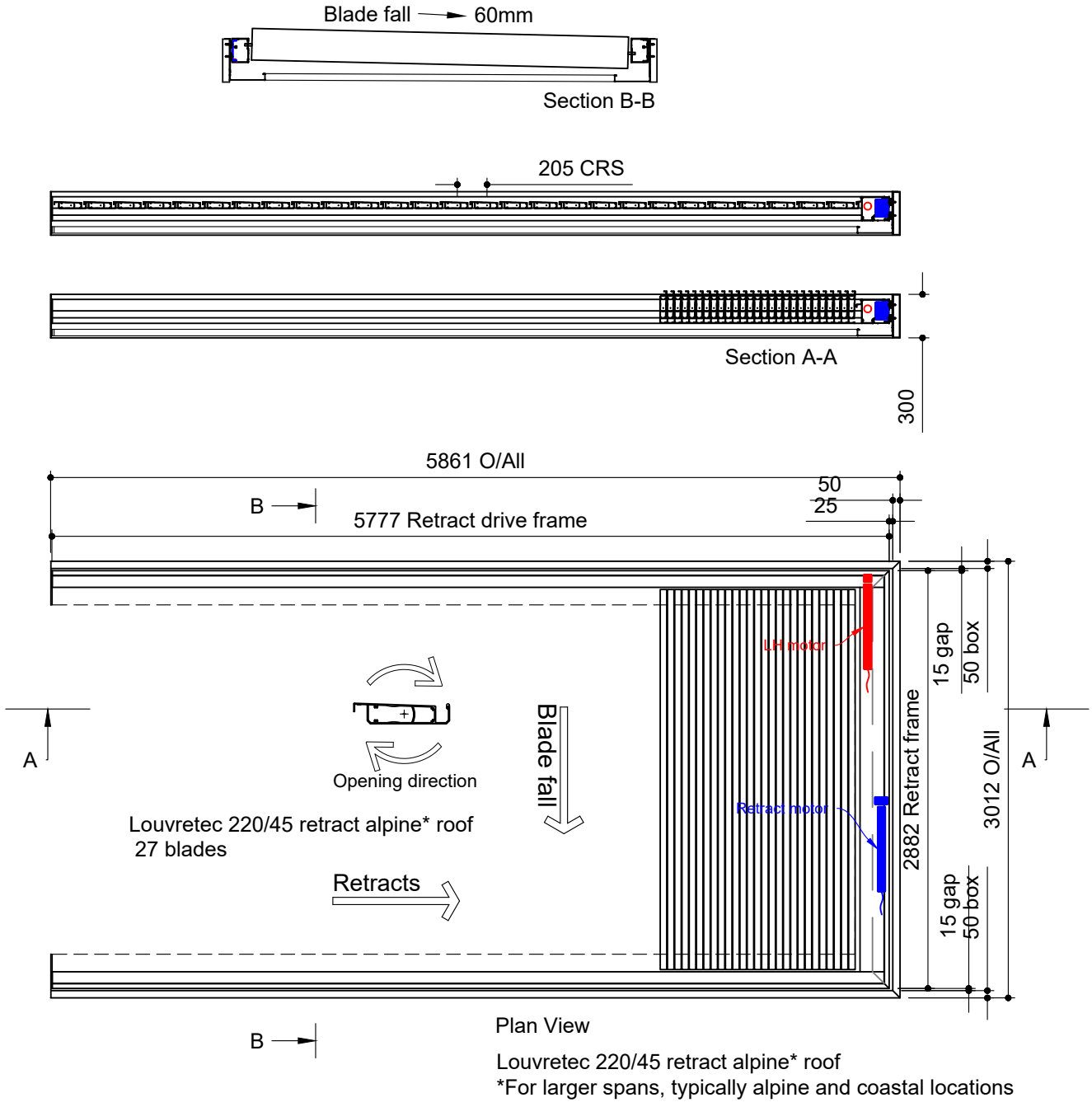


Section B-B
Passive Side Frame



Section E-E
Drive Side Frame

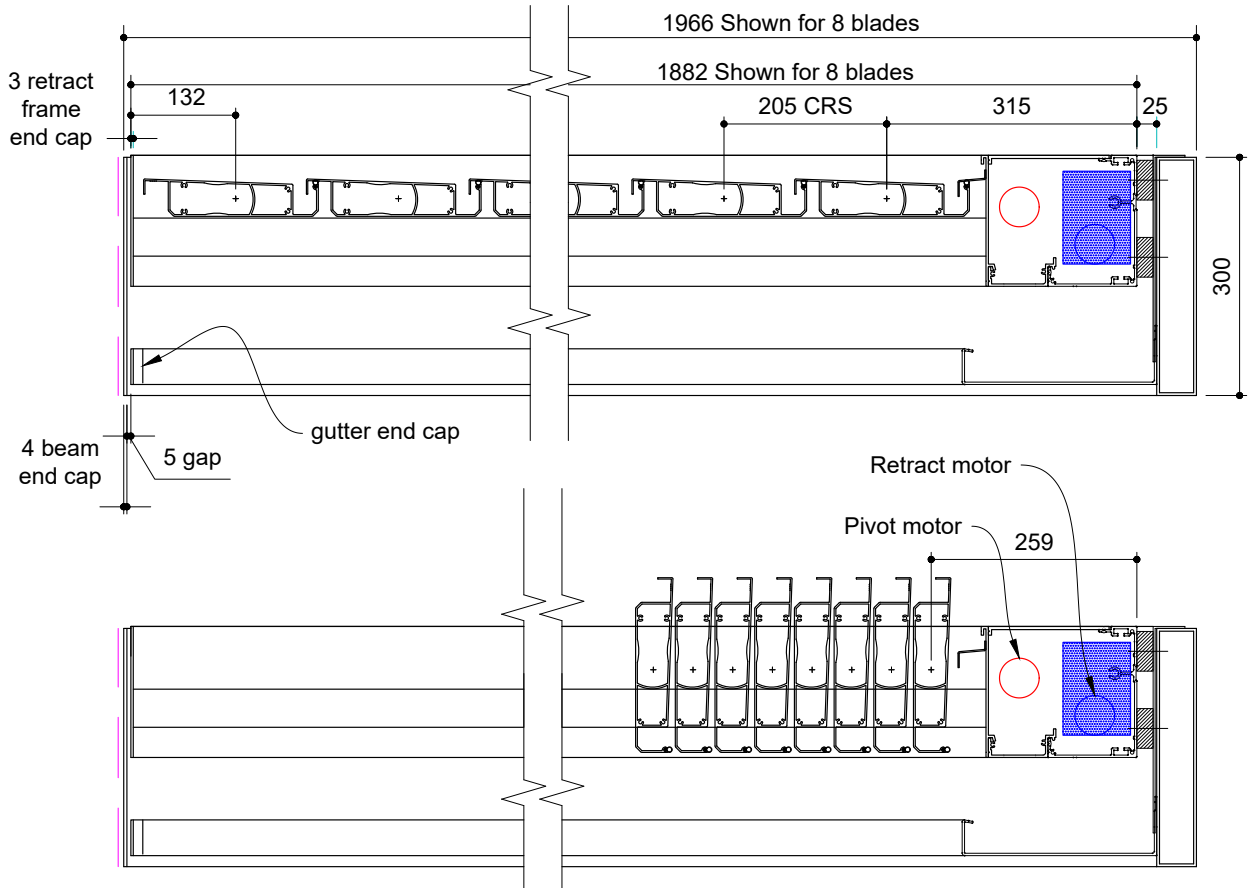
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EXAMPLE: 27 BLADES, 3 SIDED RETRACT ROOF SITTING WITHIN 300X50 ALUMINIUM BOX SECTION FRAME. BLADES STACK TO ONE END.

FOR RETRACT BLADE CALCULATION SHEET
REFER TO PAGE 3.26 IN THIS RETRACT ROOF SECTION

TYPICAL DETAIL : 3 SIDED RETRACT ROOF
WITH AND WITHOUT STRUCTURAL BOX FRAME



Retract module sizes with Somfy Motors			
Retract Frame 3 sides			
		Fitting into frame by others	Including our 300x50 Frame
No of Blades	Retract Drive & Passive Frames	Clearance +25	Box Frame +50 Box End Cap +9
8	1882	1907	1966
9	2087	2112	2171
10	2292	2317	2376
11	2497	2522	2581
12	2702	2727	2786
13	2907	2932	2991
14	3112	3137	3196
15	3317	3342	3401
16	3522	3547	3606
17	3727	3752	3811
18	3932	3957	4016
19	4137	4162	4221
20	4342	4367	4426
21	4547	4572	4631
22	4752	4777	4836
23	4957	4982	5041
24	5162	5187	5246
25	5367	5392	5451
26	5572	5597	5656
27	5777	5802	5861
28	5982	6007	6066
29	6187	6212	6271
30	6392	6417	6476
31	6597	6622	6681
32	6802	6827	6886

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