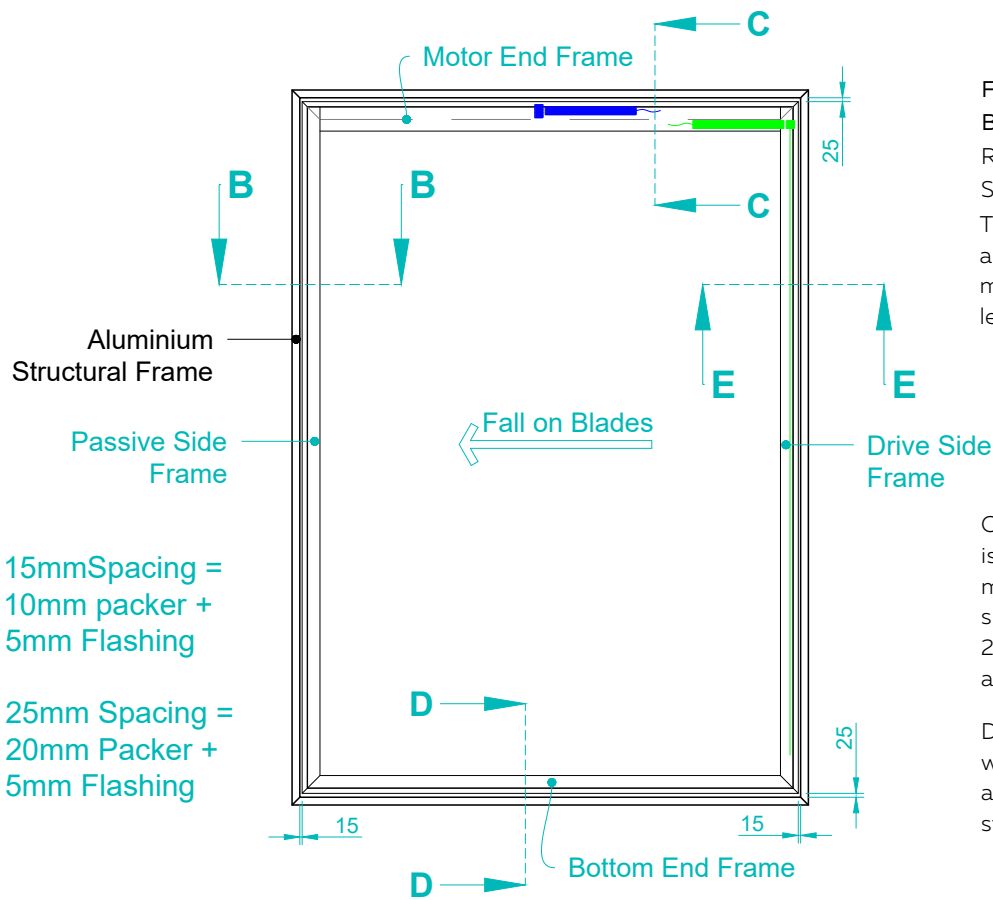


## CONFIGURATIONS OPTION 2: 4 SIDED FRAME

### CALCULATING RETRACT FRAME SIZES

The overall length of a Louvretec Retractable 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

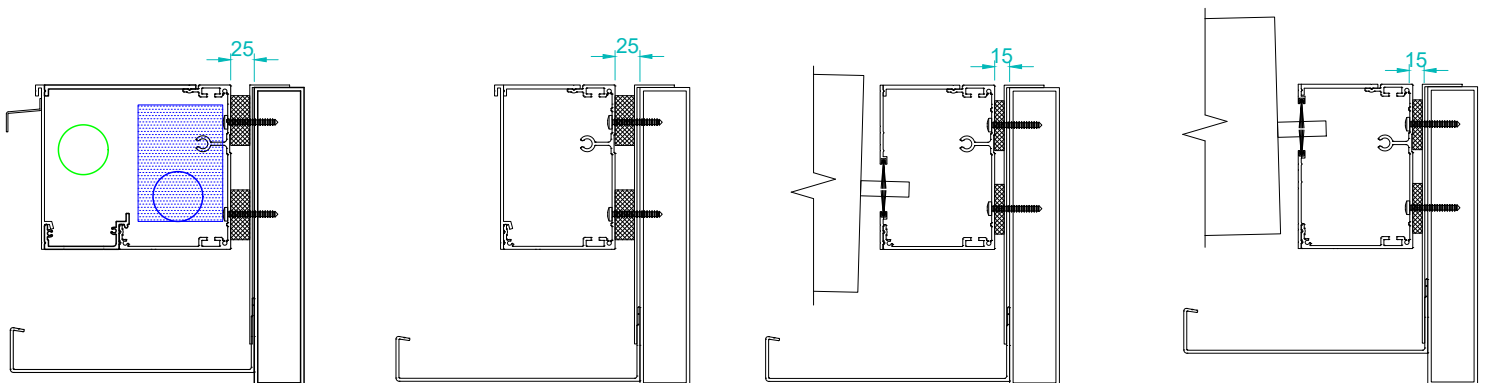


FOR RETRACT FOUR SIDED BLADE CALCULATIONS SHEETS REFER TO PAGES 3.30 - 3.35 IN THIS SECTION

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 Retractable Roof a 300x50 aluminium box section is the standard structural outer frame.



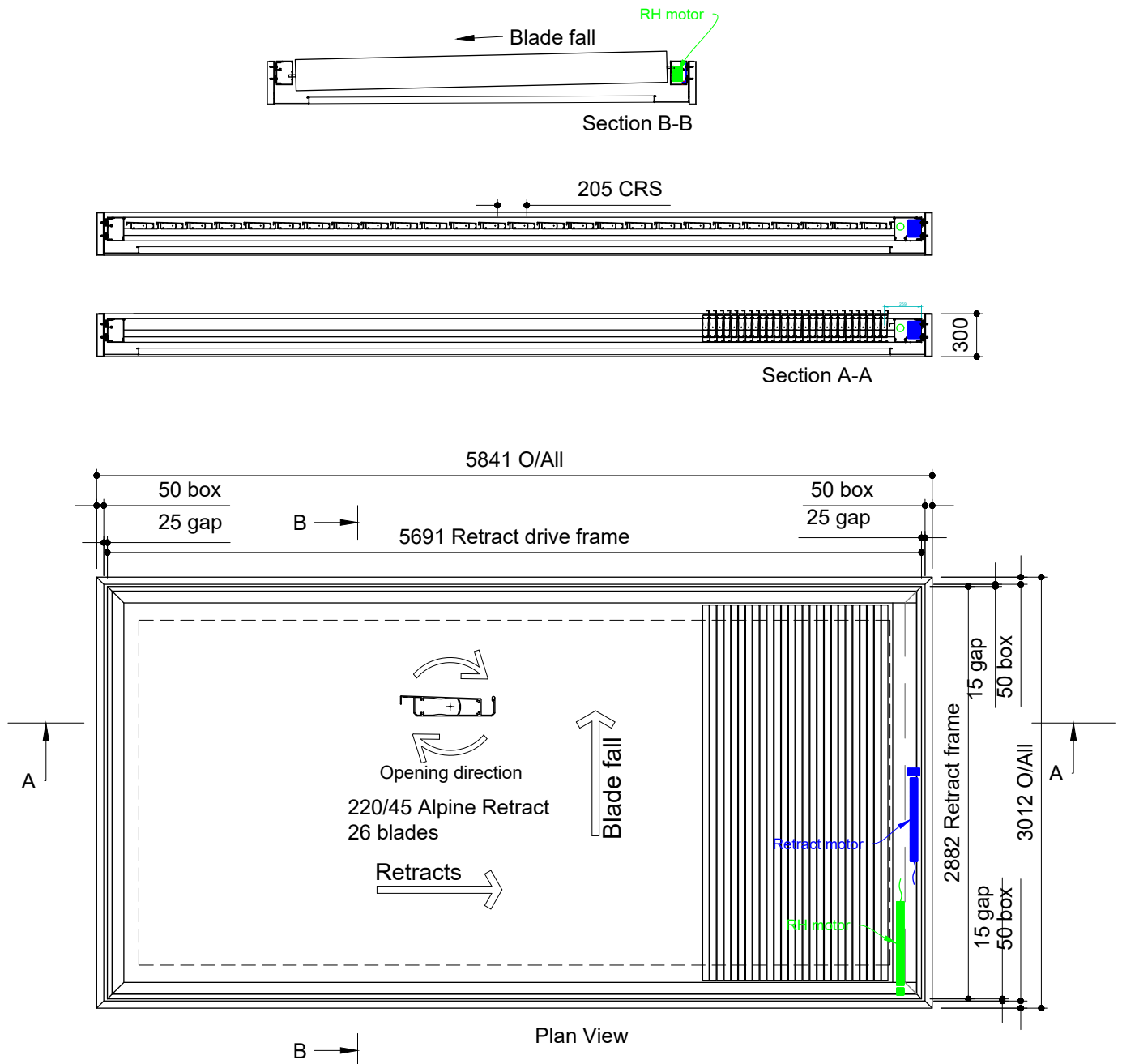
Section C-C  
Top End Frame

Section D-D  
Bottom End Frame

Section B-B  
Passive Side Frame

Section E-E  
Drive Side Frame

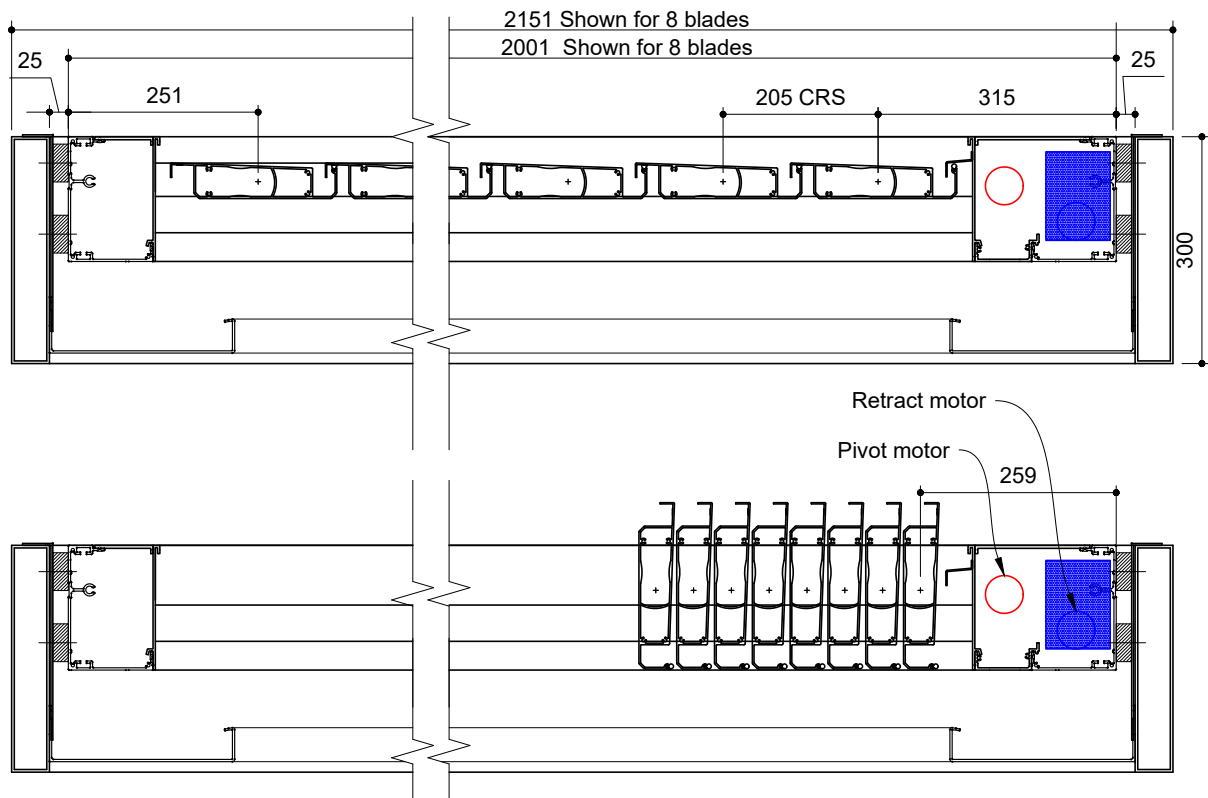
**TYPICAL DETAIL : 4 SIDED RETRACT ROOF  
WITHIN 300X50 ALUMINIUM STRUCTURAL FRAME, BLADES STACK TO ONE END**



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

**TYPICAL DETAIL : 4 SIDED RETRACT ROOF  
WITH AND WITHOUT STRUCTURAL FRAME, BLADES STACK TO ONE END**



| Retract module sizes with <b>Somfy Motors</b>        |                                |                              |                            |
|------------------------------------------------------|--------------------------------|------------------------------|----------------------------|
| 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                       |