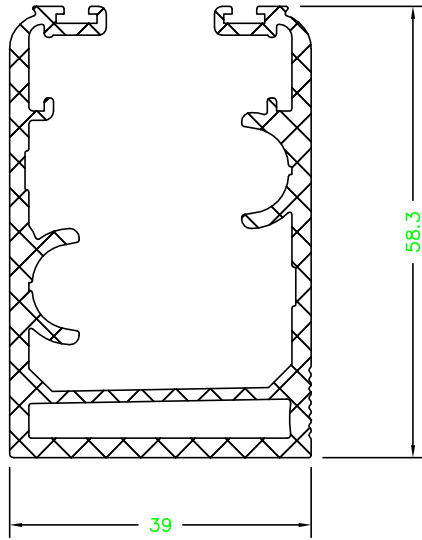


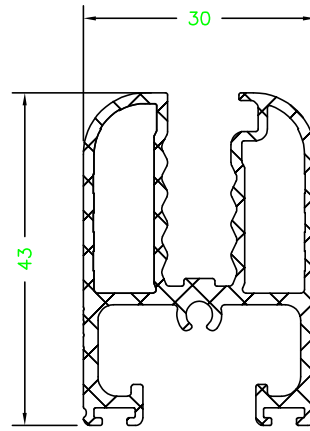
# CAMODA BELLA TECHNICAL MANUAL WITH CAPS

# PROFILES

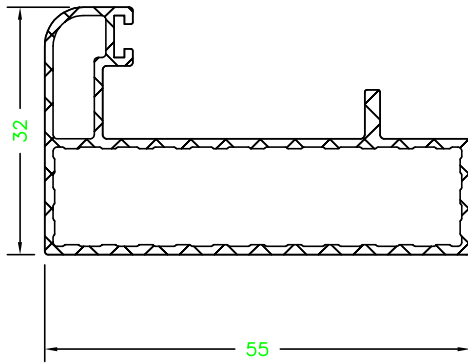
## CAMODA BELLA



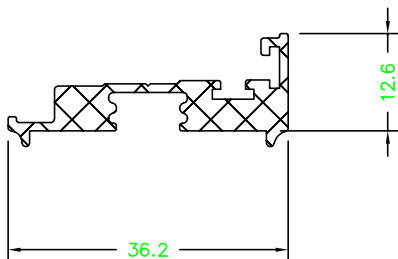
RAIL PR.  
356791



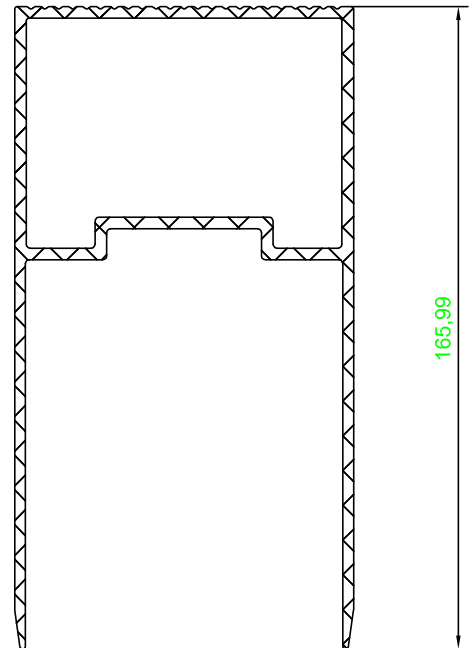
SASH PR.-8  
356765



SIDE PR  
356769



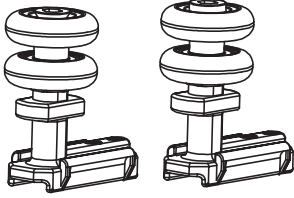
AL. COVER PR.-8  
356767



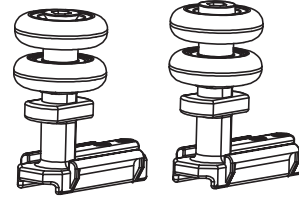
FRAME EXTENSION PR-83  
357019

# MATERIALS-1

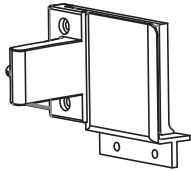
## CAMODA BELLA



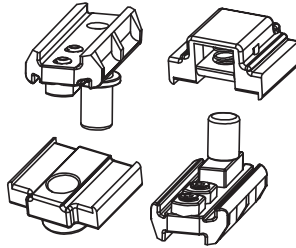
TOP RAIL WHEEL SET  
356896



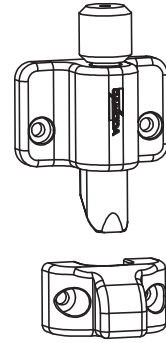
BOTTOM RAIL WHEEL SET  
356897



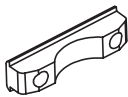
WHEEL GUIDE SET  
356928



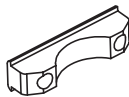
HINGE SET  
356893



FIXED SASH LOCKED SET  
356895



SASH TURN LOCK PC-8.5  
356911



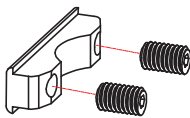
SASH TURN LOCK PC-10  
356912



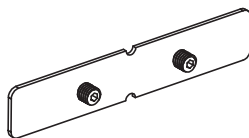
SASH TURN LOCK-8.5  
356921



SASH TURN LOCK-10  
356920



STOPPER ZAMAC  
356903



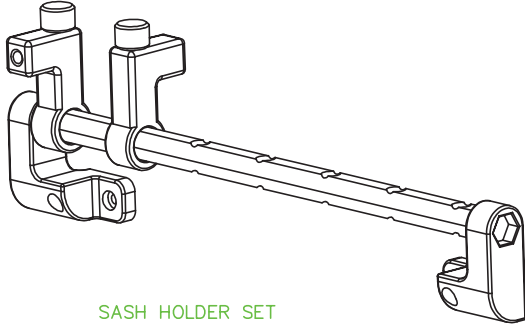
CORNER CONNECTOR-10  
356898



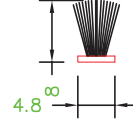
STEEL CORD  
356878

## MATERIALS-2

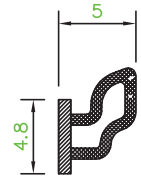
### CAMODA BELLA



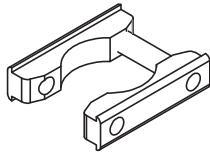
SASH HOLDER SET  
356816



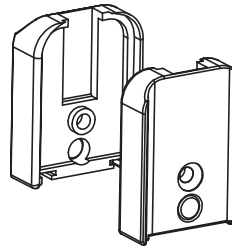
BRUSH PILE-4.8\*8  
19735



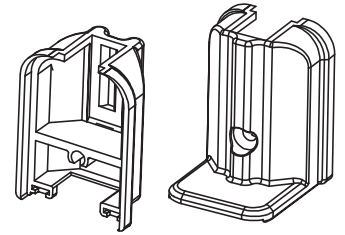
AL. COVER PR. SEAL  
356929



STOPPER WITH PIN  
356927



CAP SET-8  
356930

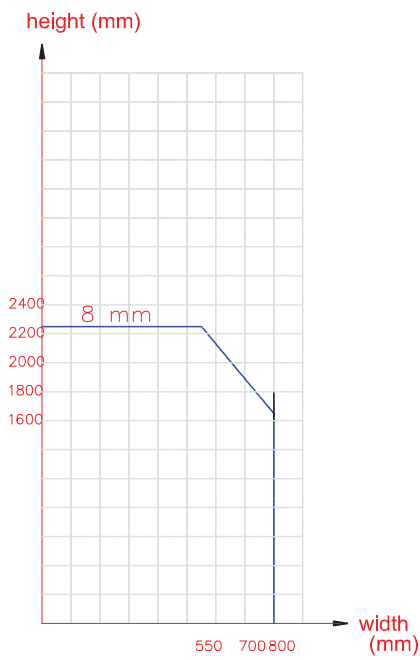


ANGLED CAP SET-8  
356931

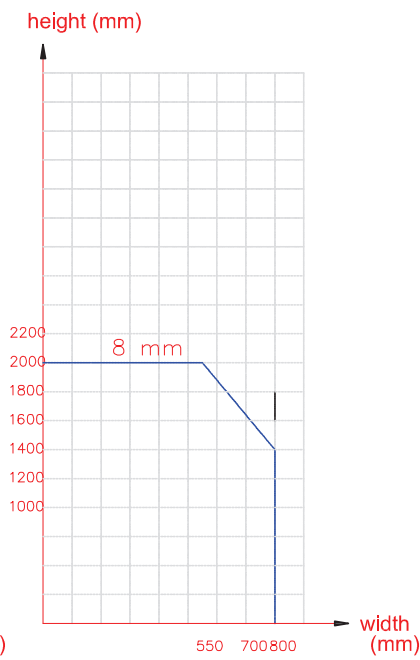
# CAMODA BELLA PRODUCTION LIMITS-1

| HEIGHT (FROM GROUND)(m) | GROUP |
|-------------------------|-------|
| 0-8                     | A     |
| 8-20                    | B     |
| 20-100                  | C     |

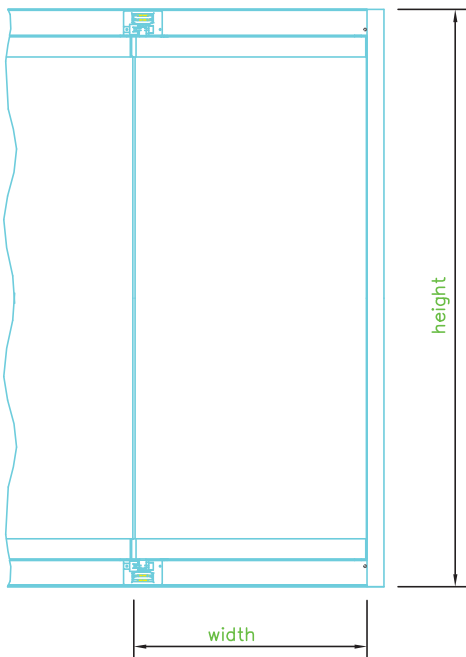
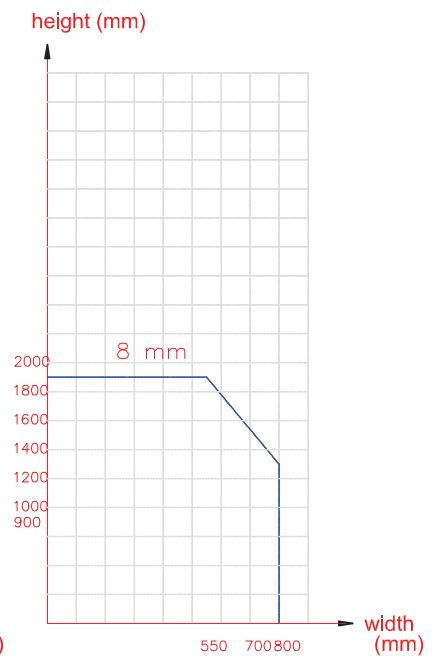
**GROUP A**



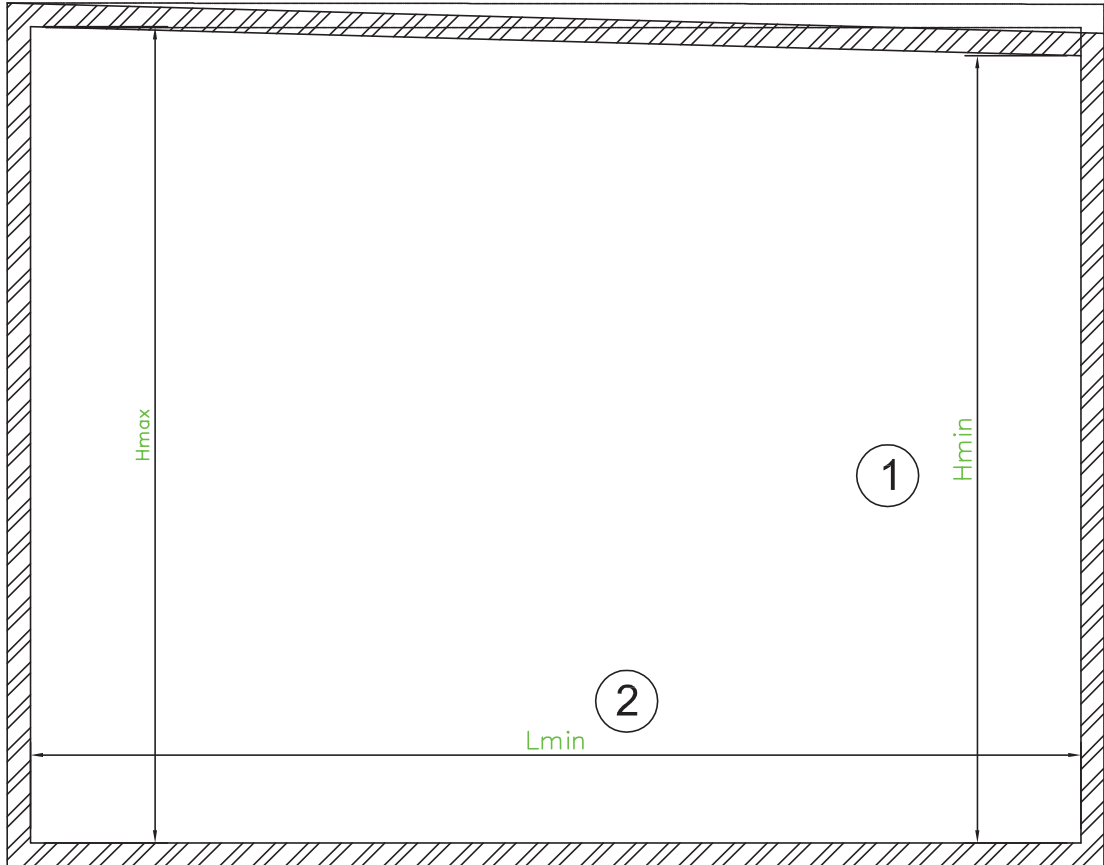
**GROUP B**



**GROUP C**



## CAMODA BELLA PRODUCTION LIMITS-2

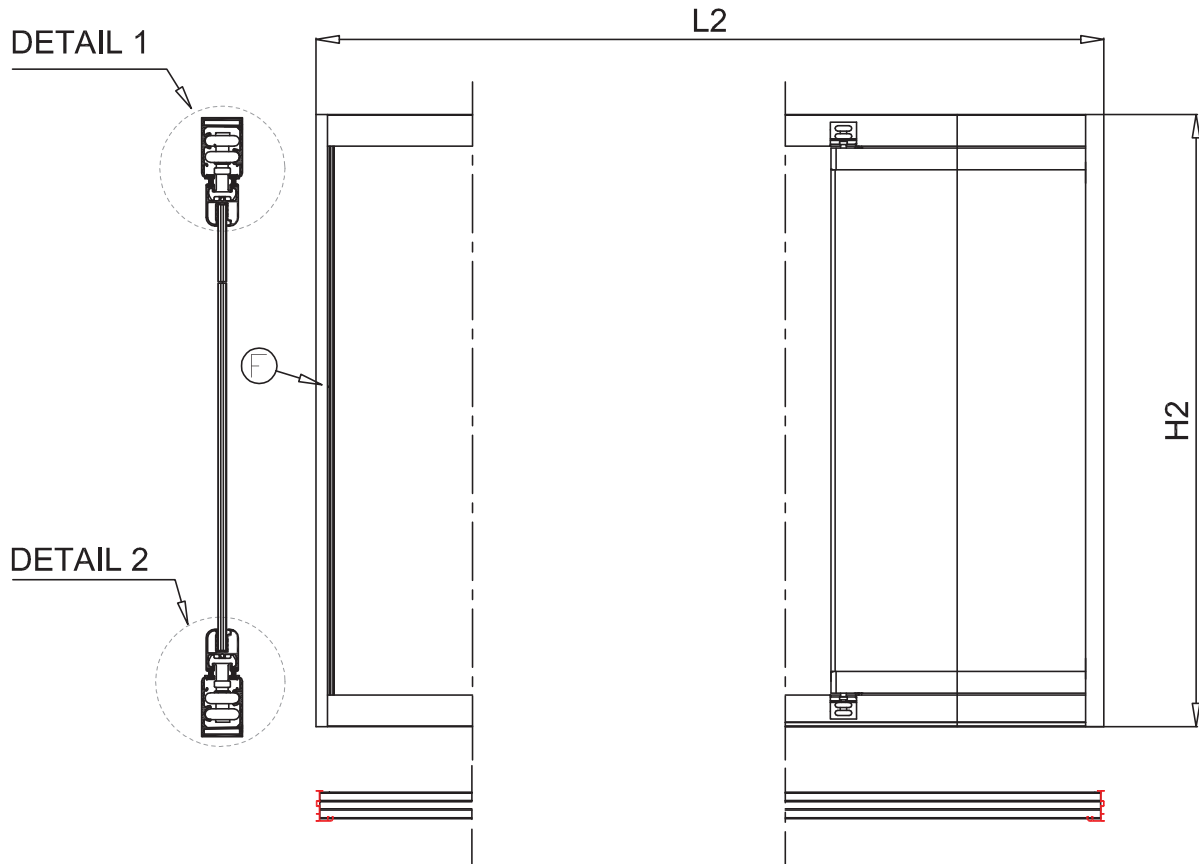


$H_{min}$ : Minimum Height that Camoda will be applied  
 $H_{max}$ : Maximum Height that Camoda will be applied  
 $L_{min}$ : Minimum width that Camoda will be applied

### PROCESS FLOW

- ① narrowest height should be found.
- ② Narrowest width should be found
- ③ 10mm gap should be thought according to narrowest width and height

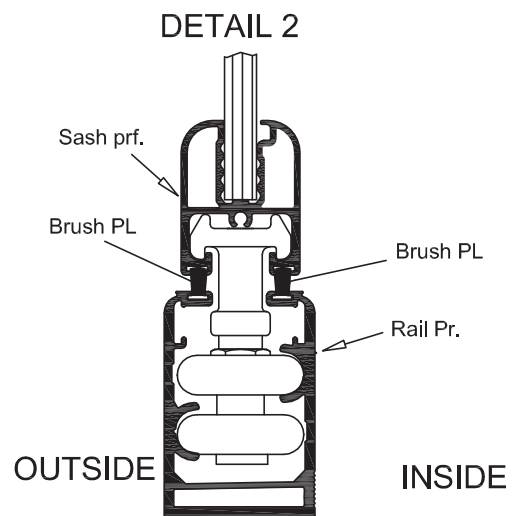
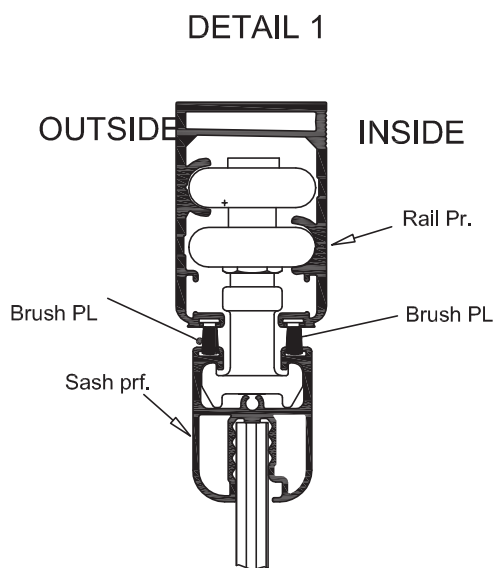
# CAMODA BELLA std (without angle) APPLICATION CUTTING SIZES



$$L2 = L_{min} - 10 \text{ mm}$$

$$H2 = H_{min} - 10 \text{ mm}$$

\* : 10 mm joint gap.

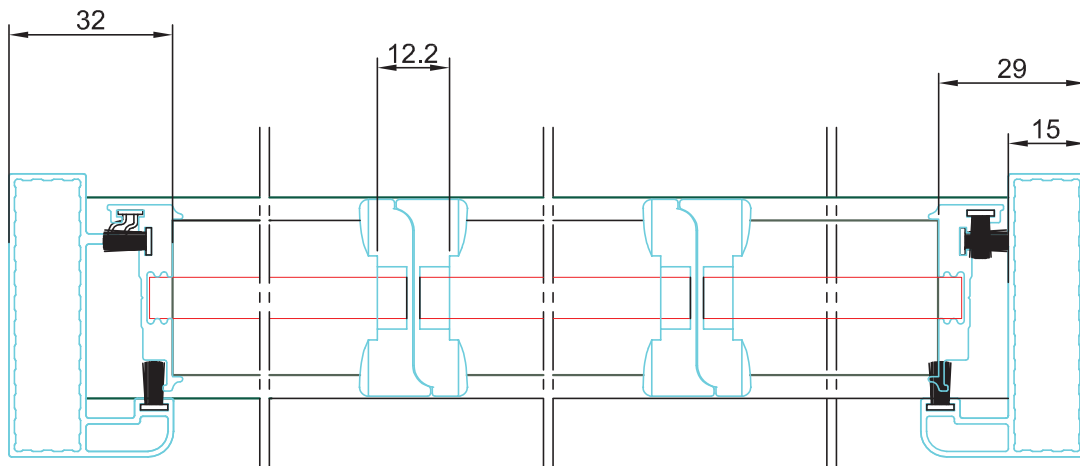


\* : Brush PL can be used only on sash profile as well with sash cap sets

## CAMODA BELLA std (without angle) APPLICATION CUTTING SIZES (8mm GLASS WITHOUT VERTICAL PROFILE)

N=Total Sash

| PRODUCT NAME              | REF. | Qty   | CUTTING SIZES                                     |
|---------------------------|------|-------|---|
| RAIL PR.<br>356791        | A    | 2     | L <sub>2</sub> -30                                |
| SASHPR. (8)<br>356765     | B    | 2xN   | $(L_2-61-((N-1) \times 12.2))/N$                  |
| SIDE PROFIL<br>356769     | C    | 2     | H <sub>2</sub>                                    |
| AL. COVER PR.-8<br>356767 | D    | 2     | H <sub>2</sub> - 124.6                            |
| PLC SEAL                  | E    |       |   |
| BRUSH PL<br>19735         | F    | 2     | H <sub>2</sub>                                    |
| BRUSH PL<br>19735         | G    | N x 4 | B   |
| BRUSH PL<br>19735         | H    | 4     | D   |
| GLASS DIMENSIONS (NOTE 1) | I    | N     | $((\text{REF. B})+9)$ WIDTHx $(H_2-162.6)$ HEIGHT |



NOTE 1: GLASS SIZES SHOULDN'T EXCEED THE MAXIMUM DIMENSIONS MENTIONED ON PAGE 2.1  
NOTE 2: IT'S SUPPOSED THAT SASHES HAVE THE SAME WIDTH



## CAMODA BELLA ANGLED APPLICATION CUTTING SIZES (8mm GLASS WITHOUT VERTICAL PROFILE)

N=Total Sash

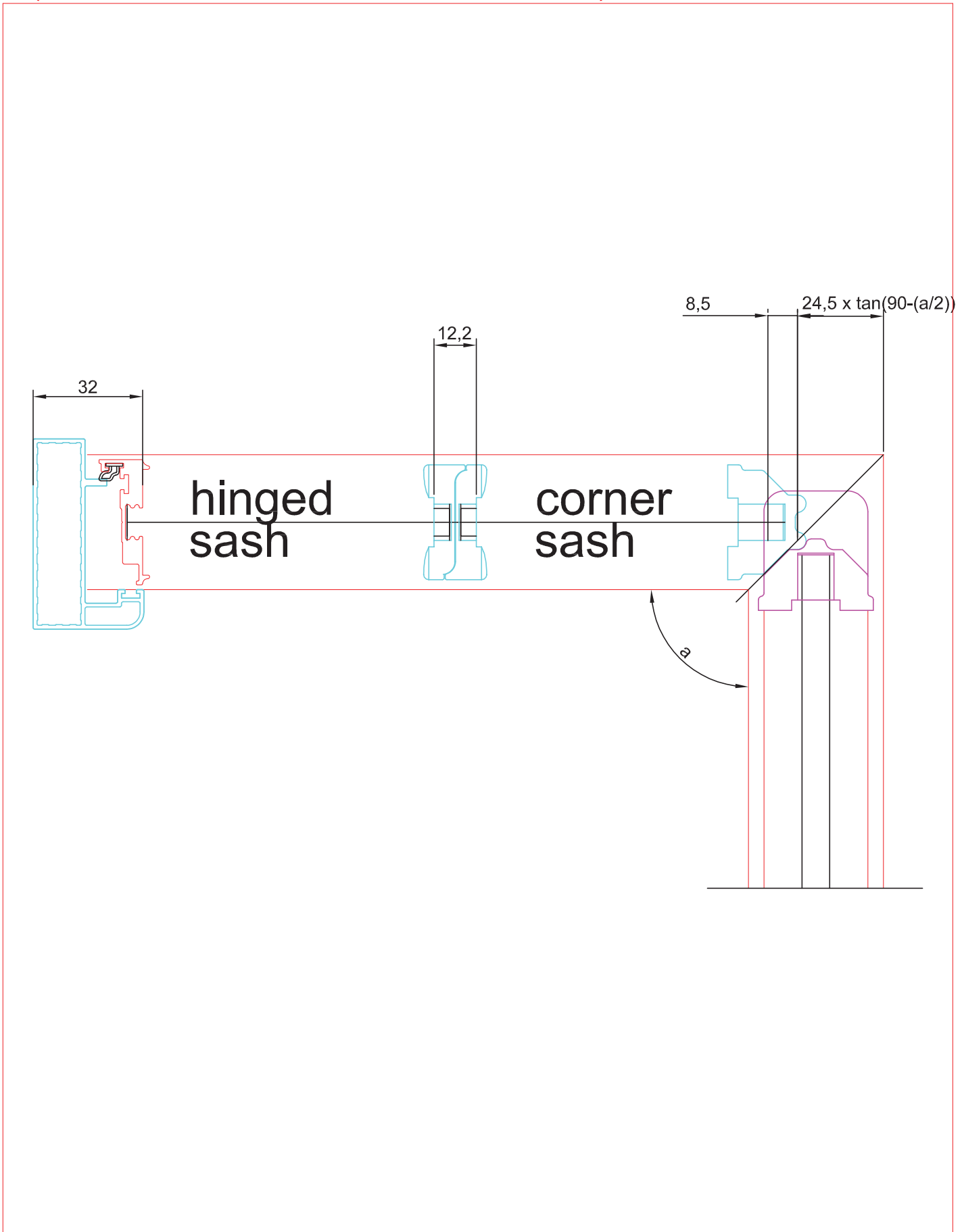
| PRODUCT NAME                     | REF. | Qty     | CUTTING SIZES  |
|----------------------------------|------|---------|--|
| RAIL PR<br>356791                | A    | 2       | L2-15  |
| SASH PR. (8)<br>356765           | B    | 2x(N-1) | $L2-32-(24,5 \times \tan(90-(a/2)))+8,5+((N-1) \times 12.2)/N$ |
| SASH PR. (8) ( corner)<br>356765 | C    | 2       | B-8.5  |
| SIDE PR<br>356769                | D    | 1       | H <sub>2</sub>   |
| AL COVER PR-8<br>356767          | E    | 1       | H <sub>2</sub> - 124.6   |

## ACCESSORIES

|                                 |   |       |   |
|---------------------------------|---|-------|---|
| TOP RAIL WHEEL SET<br>356896    | F | N     |   |
| BOTTOM RAIL WHEEL SET<br>356897 | G | N     |   |
| HINGE SET<br>356893             | H | 1     |   |
| FIXED SASH LOCKED SET<br>356895 | I | 2     |   |
| SASH TURN LOCK-8.5<br>356921    | J | 3     |   |
| SASH TURN LOCK-10<br>356920     | K | 1     |   |
| WHEEL GUIDE SET<br>356928       | L | 1     |   |
| STOPPER ZAMAC<br>356903         | M | 8     |   |
| BRUSH PL<br>19735               | N | 4xN   | B |
| BRUSH PL<br>19735               | O | 1     | D |
| BRUSH PL<br>19735               | P | 2     | E |
| STEEL CORD<br>356878            | R | 1     |   |
| CAP SET-8<br>356930             | S | 2xN-1 |   |
| ANGLED CAP SET-8<br>356931      | T | 1     |   |
| SASH HOLDER SET<br>356816       | U | 1     |   |

|                           |   |   |                                       |
|---------------------------|---|---|---------------------------------------|
| GLASS DIMENSIONS (NOTE 1) | V | N | ((REF. B)+9) WIDTHx (H2-162.6) HEIGHT |
|---------------------------|---|---|---------------------------------------|

**CAMODA BELLA ANGLED APPLICATION CUTTING SIZES  
(8mm GLASS WITHOUT VERTICAL PROFILE)**



# CAMODA BELLA ANGLED JOINT ROD

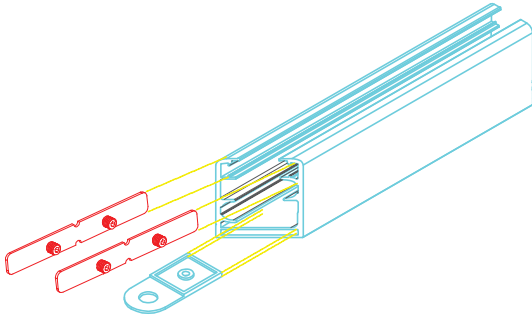


Figure 1

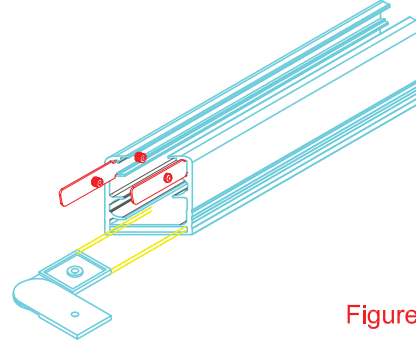


Figure 2

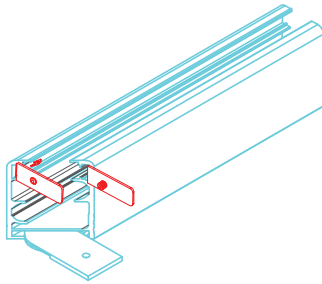


Figure 3

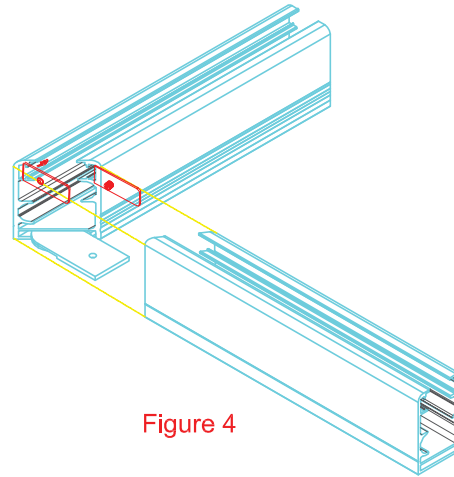
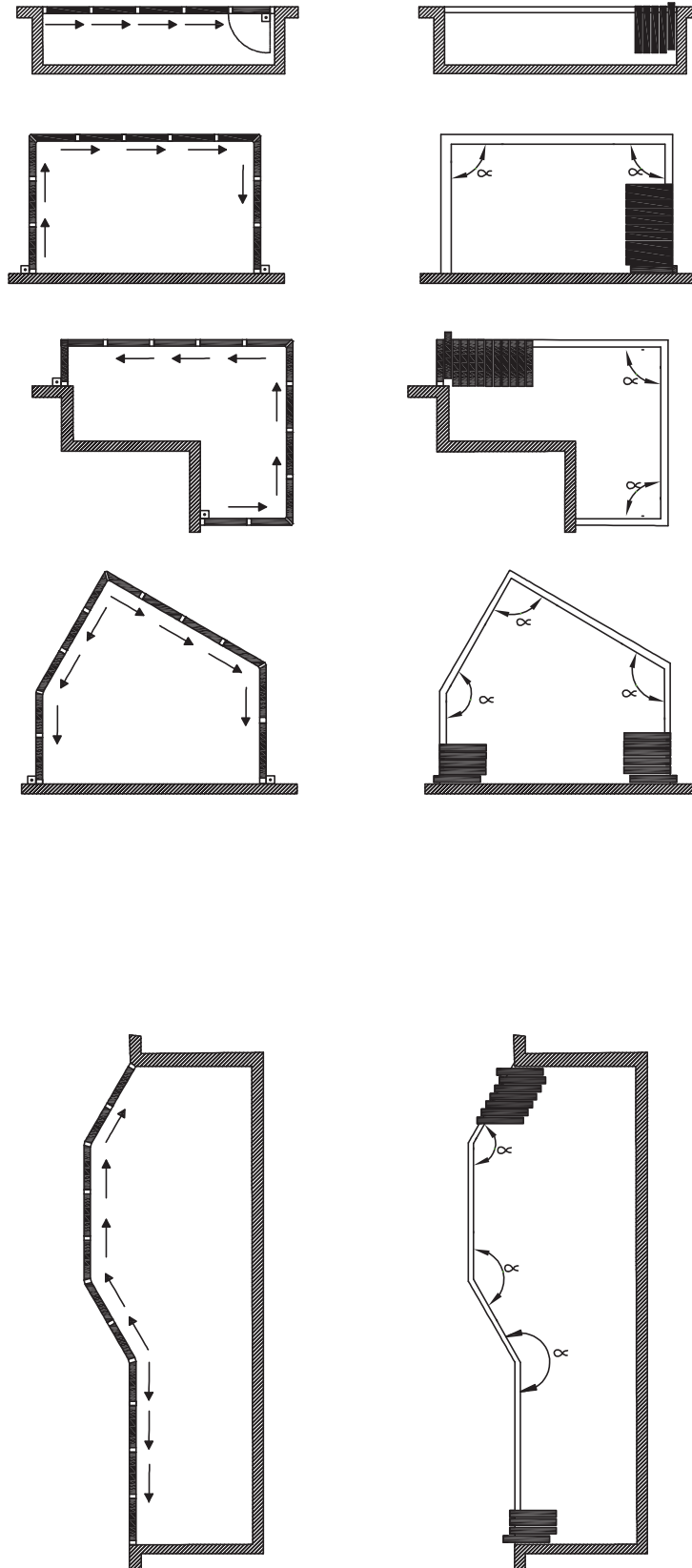


Figure 4

## PROCESS ORDER

- 1 Profiles will be cut according to required angle.
- 2 Corner Joint Zamac part and corner connector-10, should be slid to below channel of profiles to place that is proper to rotation center (aligned to profile cutting section )
- 3 The other rail will touch to this rail as their cut surfaces matches.

# CAMODA BELLA APPLICATION SECTIONS

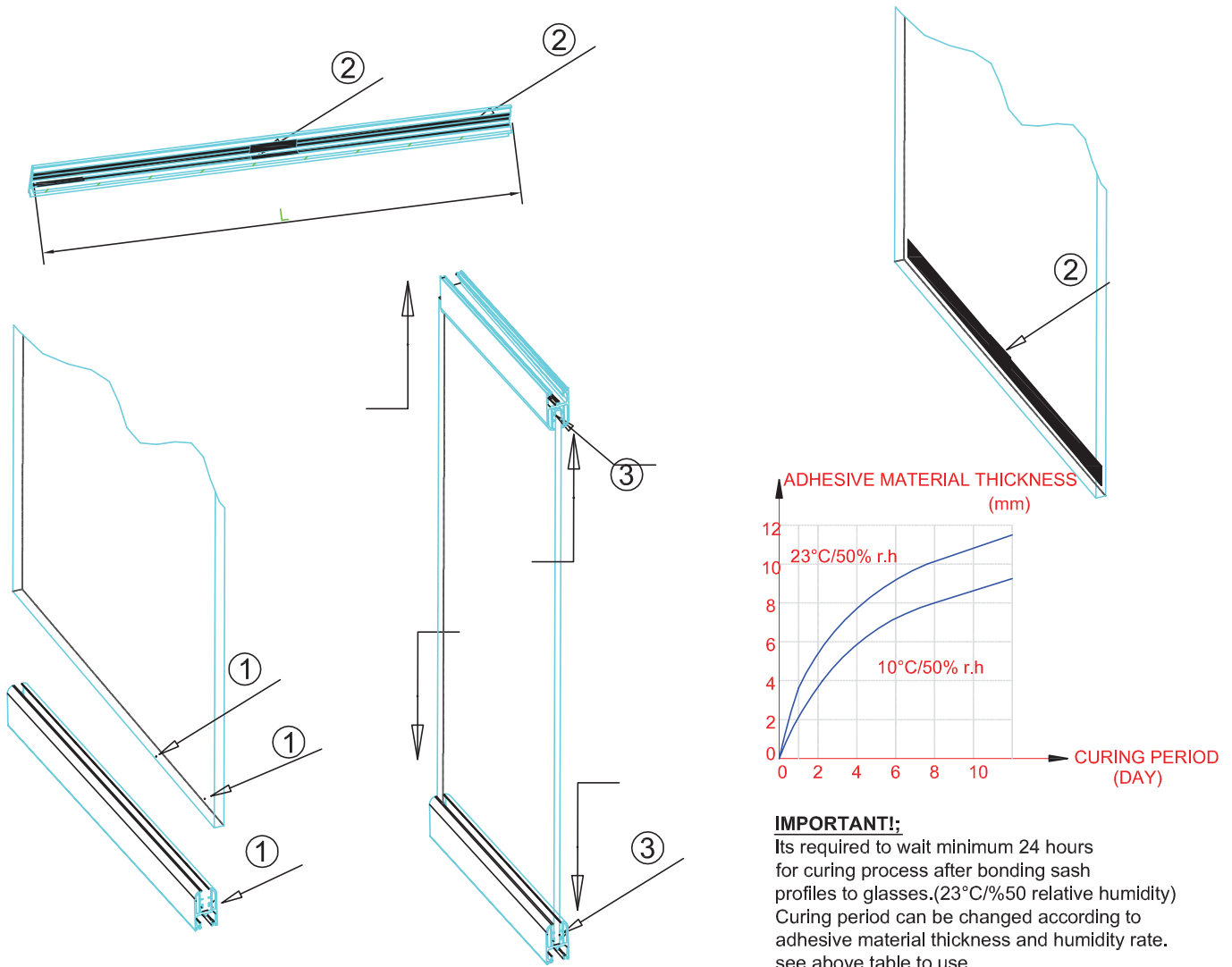


$\alpha$  min= 90°  $\alpha$  max= 270°

▣ Its recommended that first and last panels should merge to wall with 90° angle

# CAMODA BELLA

## BONDING INSTRUCTIONS FOR SASH AND GLASS

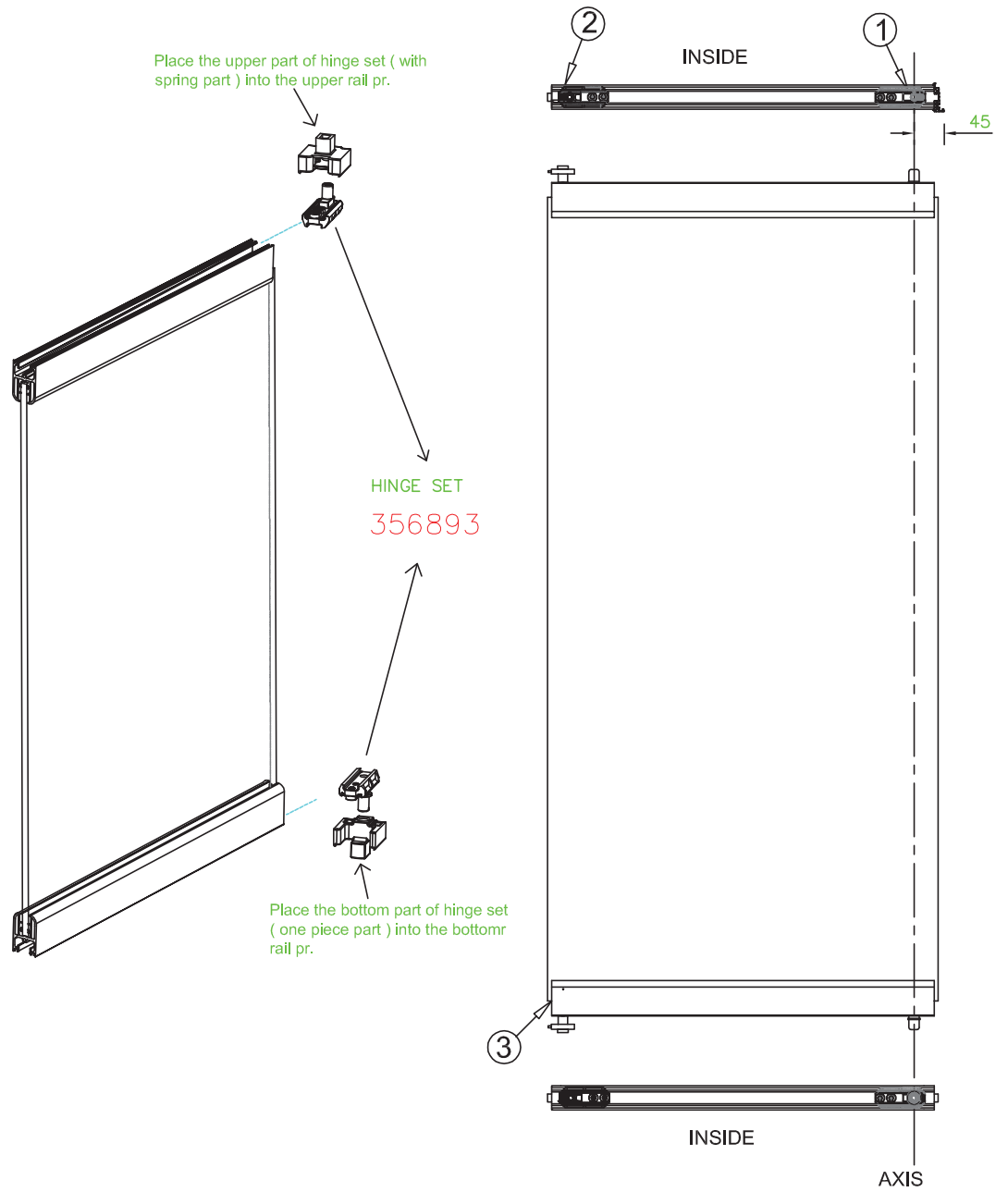


### PROCESS ORDER

- ① Faults of Glass height and width are dedected.
- ② bonding surfaces of glass and profile should be clean, smooth, dried, and must e free of dust and grease
- ③ Cut end of the cannula according to area that will be applied(adhesive should be applied to ridges of sash profile) and adhesive gun should leave the adhesive to the profilem (that glass will be stucked on sides and front) as strip. Dont make any installation below +10 Degree or above +35 Degree.
- ④ Give a pressure to side of the glass during bonding. bonding size could be adjusted according to glass faults.

NOTE: CURING TIME THAT MENTIONED IN INSTRUCTION HAS GIVEN ACCORDING TO 15-25°C AIR COND / AVRG.%50 RELATIVE HUMIDITY.

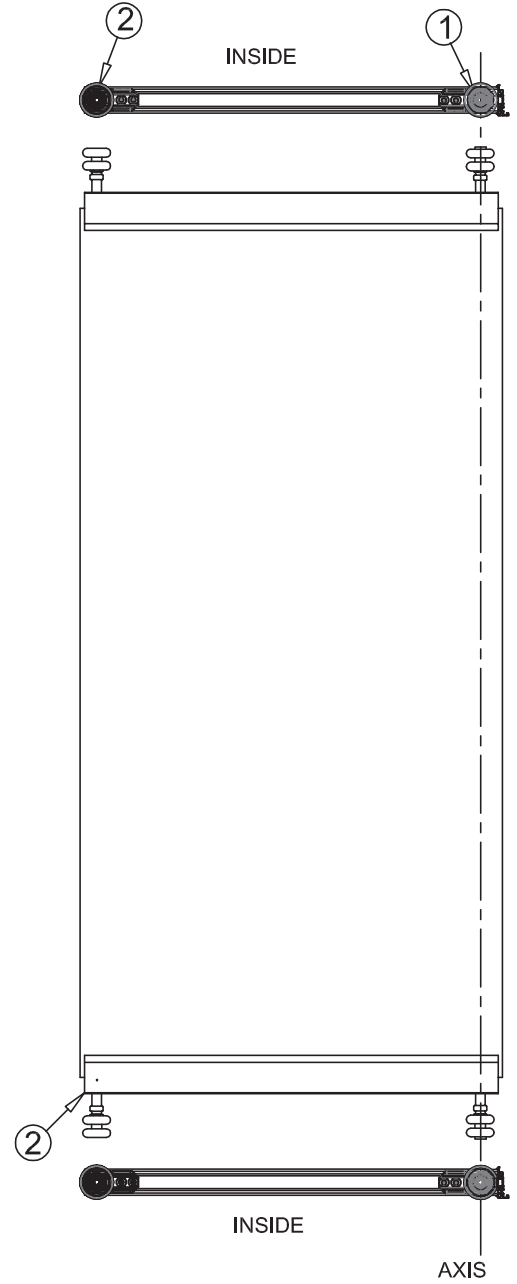
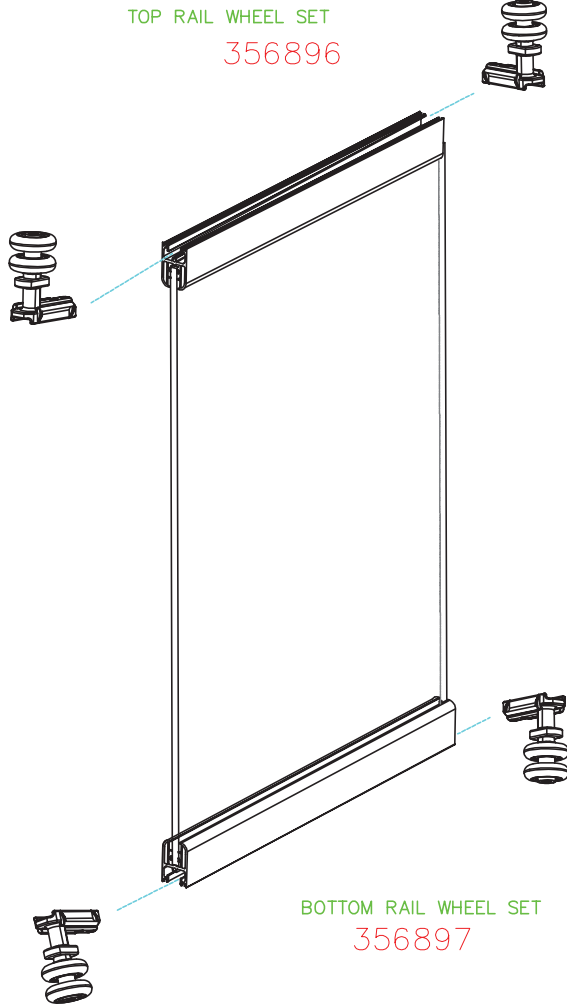
## CAMODA BELLA PREPARING HINGED SASH



### PROCESS ORDER:

- ① 356893 THE CENTER OF PIN WEDGES IN THE PRACTICAL HINGE KIT IS MOUNTED TO BE 45 mm DISTANCE FROM THE ALUMINUM COVER END POINT.
- ② BRUSH PL IS PLACED TO BRUSH CHANNEL OF THE RAAIL. ( IF BRUSH PL IS PLACED TO BRUSH CHANNEL OF SASH PROFILE THAN IT IS NOT NECESSARY TO USE ON RAIL PROFILE).

## CAMODA BELLA PREPARING ACTIVE SASH



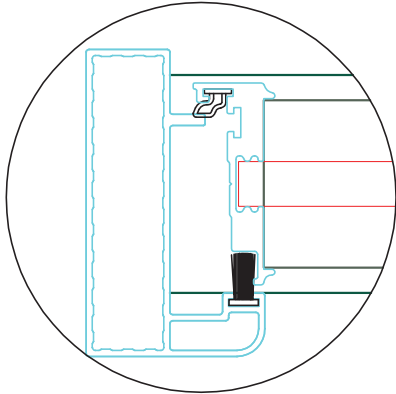
### PROCESS ORDER

- ① 356896 BELLA ÜST TEKERLEK SETLERİ ÜST KANAT PROFİLLERİNİN ÇIKIŞ VE DÖNÜŞ TARAFINA KONUMLANDIRILIR. 356897 BELLA ALT TEKERLEK SETLERİ ALT KANAT PROFİLLERİNİN ÇIKIŞ VE DÖNÜŞ TARAFINA KONUMLANDIRILIR. KATLANIR ÇIKIŞ SETİNE GÖRE HER KANDA ALT HAREKETLİ KANAT ÇIKIŞ TEKERLEK SETİNİN KONUMU BELİRLENİR VE SETİSKURLARINDAN SIKILARAK MONTAJI TAMAMLANIR.
- ② BELLA DÖNÜŞ TEKERLEKLERİNE AİT TAKOZLARIN KENARI PROFİL KENARINA TEMAS EDECEK ŞEKİLDE SETİSKURLAR SIKILARAK MONTE EDİLİR.
- ③ KANAT PROFİLLERİNDE Kİ FIRÇA CONTA KANALLARINA FIRÇA CONTA TAKILIR (TERCİHE GÖRE, RAY PROFİLİNDE FIRÇA CONTA KULLANILACAK İSE KANAT PROFİLİNE FIRÇA CONTA TAKILMAYABİLİR).

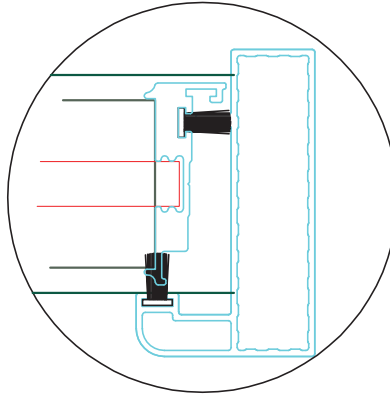
# CAMODA BELLA

## MOUNTING OF VERTICAL AL. COVER PR-3

### SIDE PR. APPLICATION WITH TPV SEAL

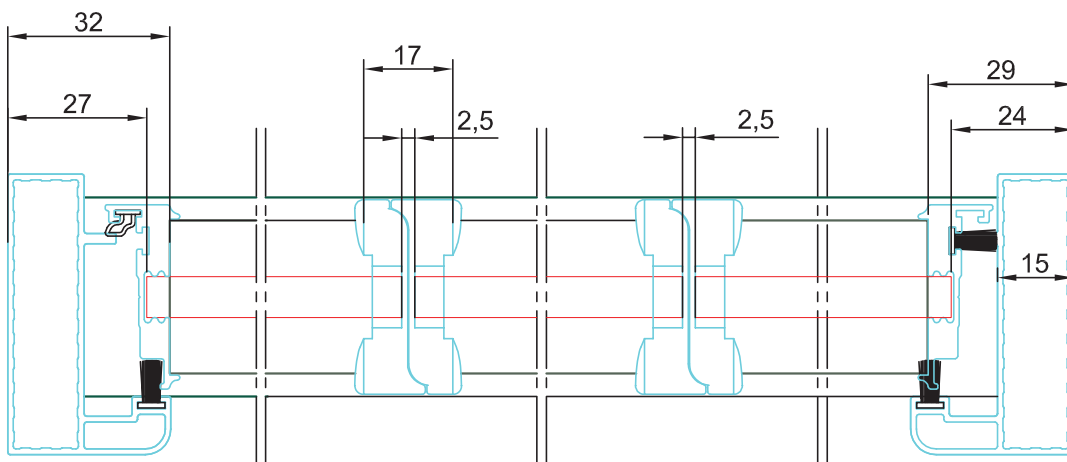
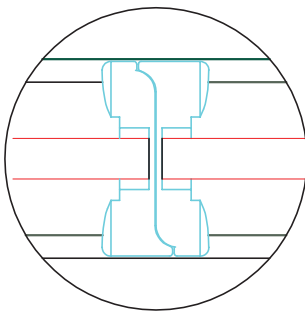


HINGED SASH DETAIL



ACTIVE SASH DETAIL ( LAST ONE )

### CAPS APPLICATION

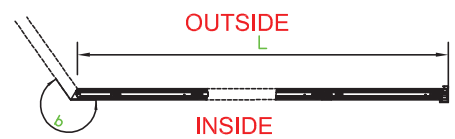
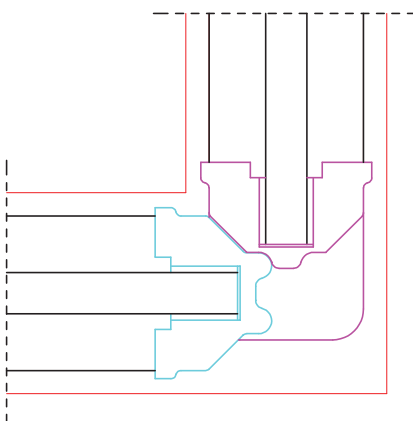
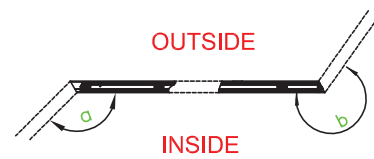
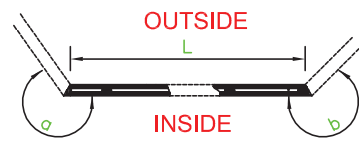
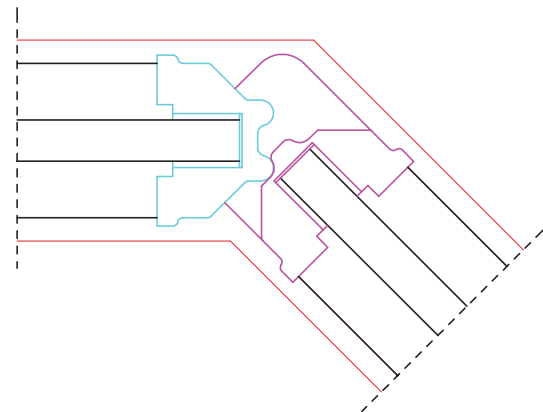
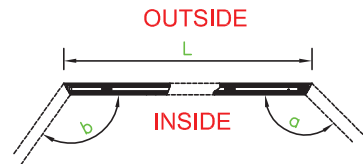
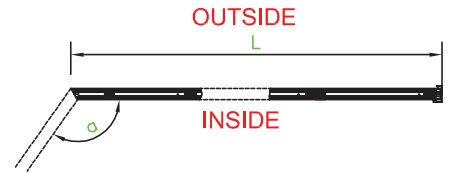
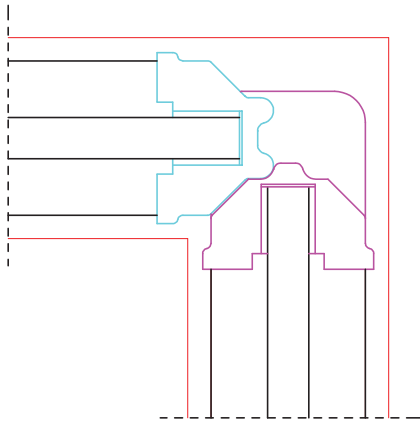




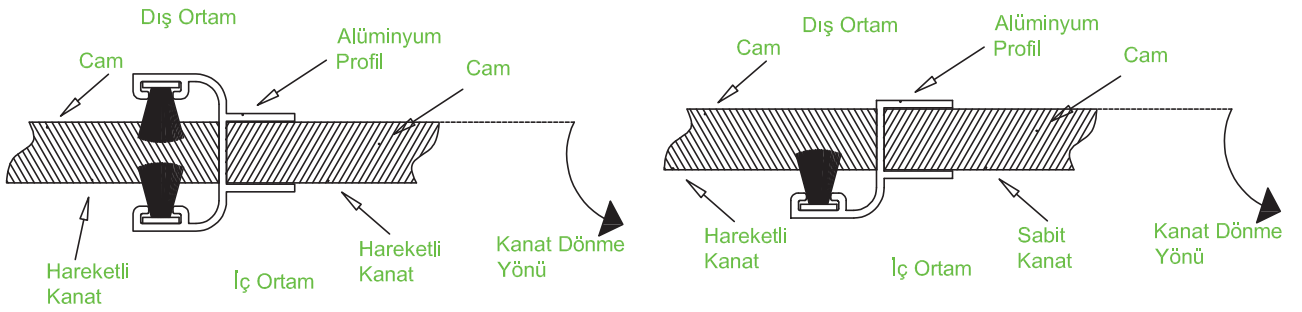
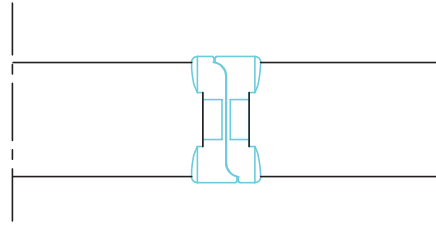
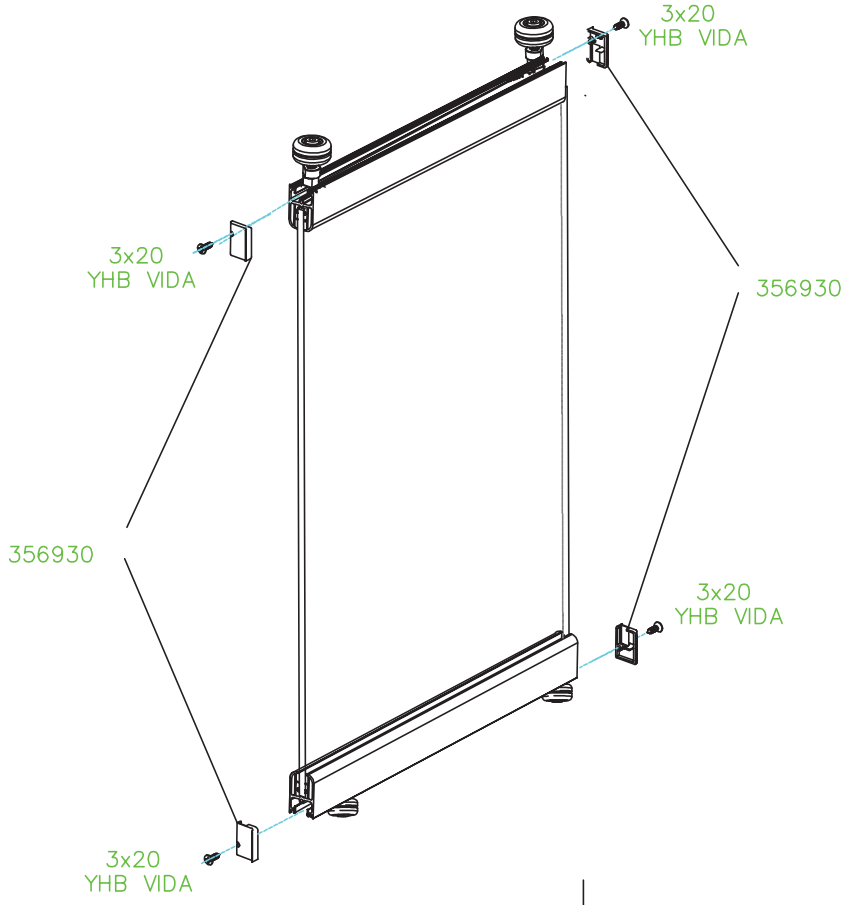
# CAMODA BELLA

## CORNER CONNECTION- WITHOUT VERTICAL AL. PROFILE

### ANGLED CAPS APPLICATION

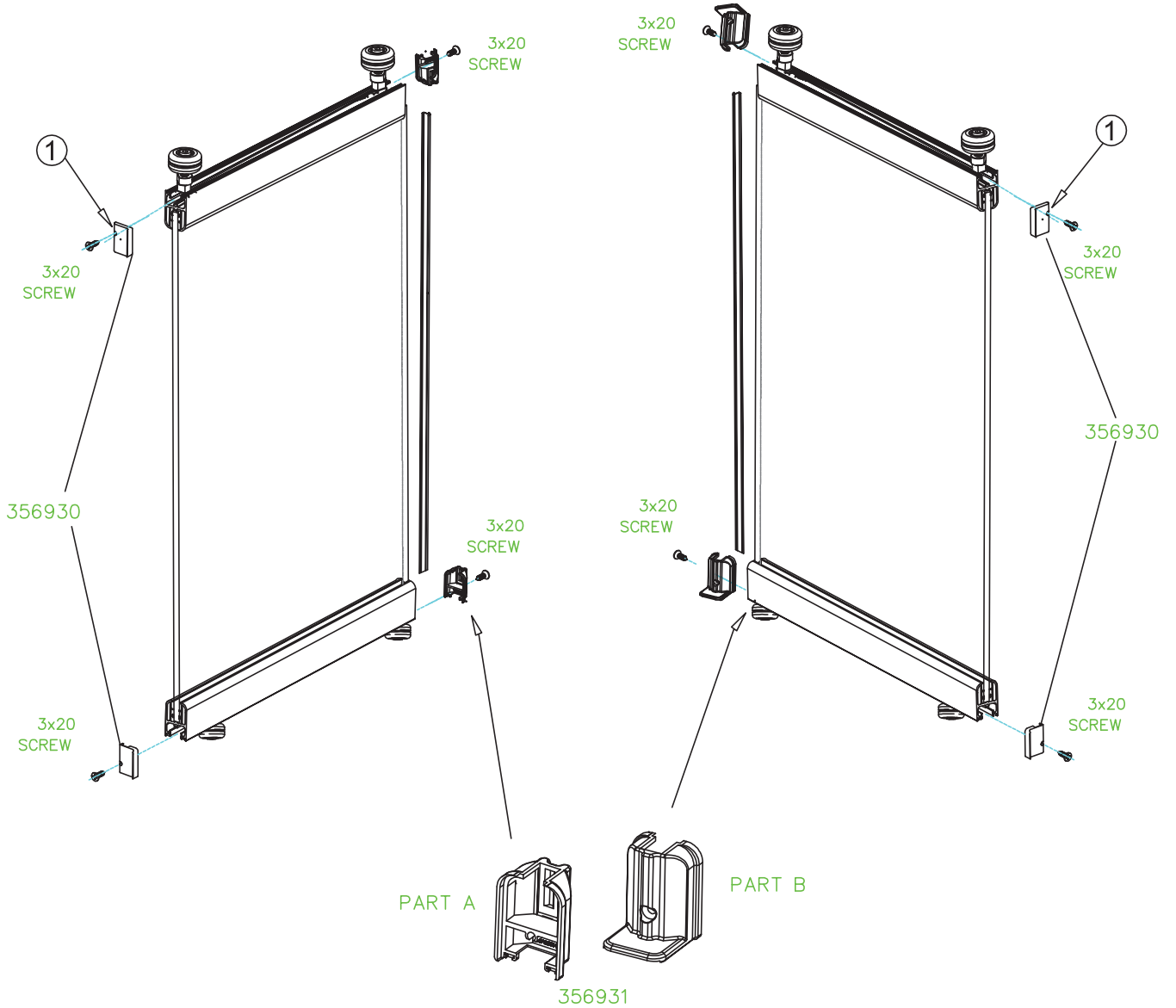


# CAMODA BELLA INJECTION CAPS

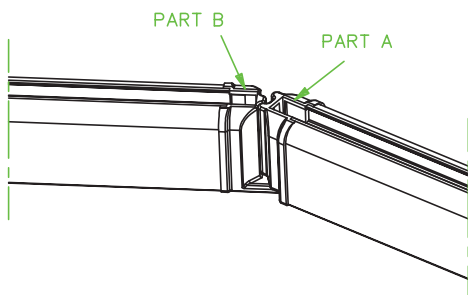


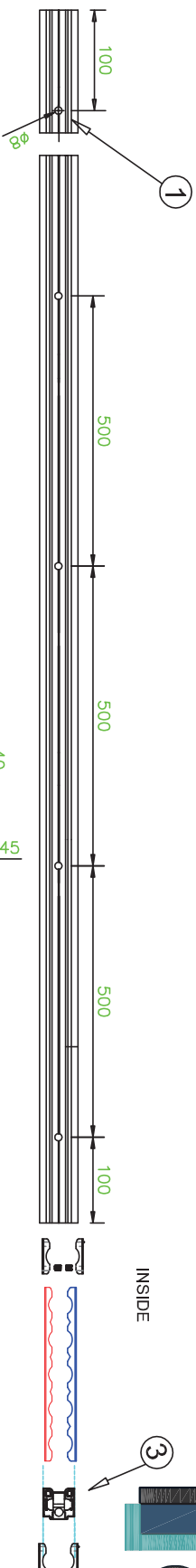
NOT-1: Cam aralarında kullanılacak alüminyum profiller kanat toplama yönünde olmayacak şekilde konumlandırılmalıdır.

# CAMODA BELLA ANGLED INJECTION CAPS

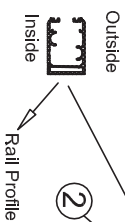


NOTE-1: DUE TO FOLDING SIDE PART A MUST BE ON THE THE BACK SIDE OF THE SASH

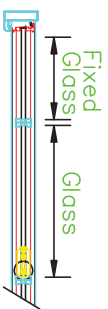




(\*) Milling process will be applied on inside surface of the profile

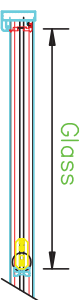


OUTSIDE  
INSIDE



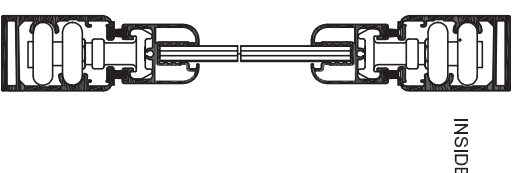
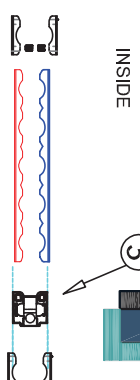
(\*) : In standard(straight) applications, If there is a fixed side, milling dimension for fixed panel releasing;

Routing Dimensions= (Glass+Fixed Glass+3) for 8mm with caps



(\*) : In standard(straight) applications,

Routing Dimensions= Glass for 8mm with caps

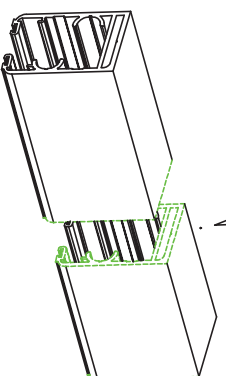


③

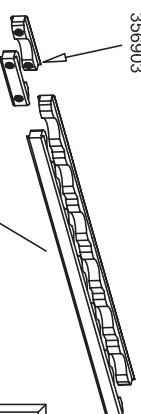
356903

356893

356903



356791



356903

356920 is used inner side of top rail  
356921 is used outer side of top rail

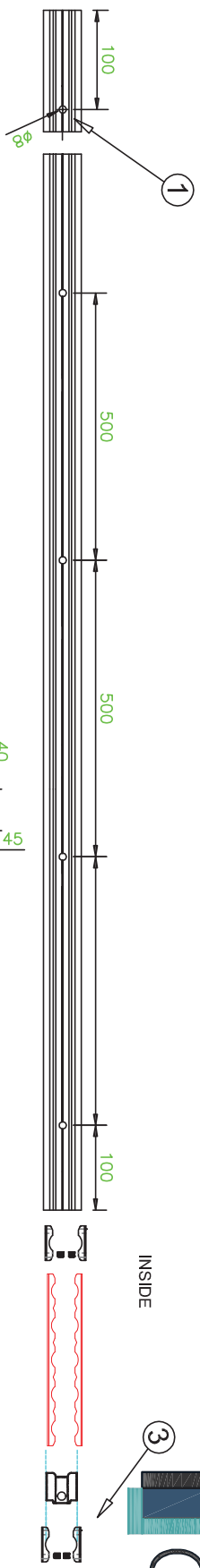
① PREPARE MOUNTING HOLES WITH  $\varnothing 8$  mm DRILL ACCORDING TO DIMENSIONS SHOWN ON PICTURE

IT IS BETTER TO PLACE SCREWS BETWEEN TWO SASH IF YOU NEED ADJUST THE SCALES, IT WILL BE EASIER

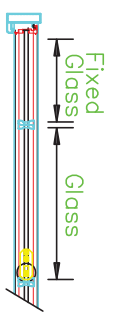
② MILLING PROCESS WILL BE APPLIED ON INSIDE SURFACE OF THE PROFILE ACCORDING TO THE DIMENSION

③ PLACE THE PRODUCTS ON RAIL PROFILE RESPECTIVELY

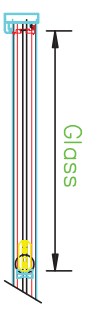
CAMODA BELLA  
TOP RAIL



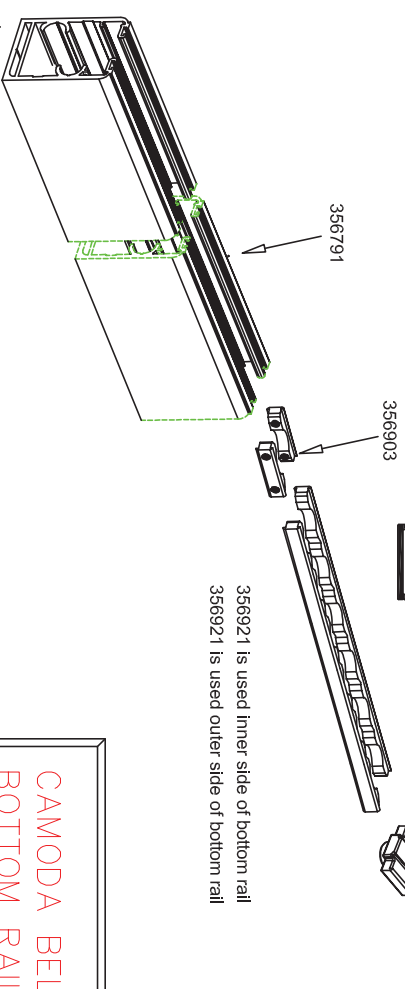
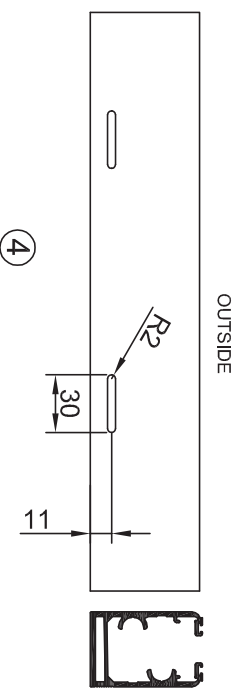
(\* \*) Milling process will be applied on inside surface of the profile)



(\*) : In standard(straight) applications, If there is a fixed side, milling dimension for fixed panel releasing:  
Routing Dimensions= (Glass+Fixed Glass+3) for 8mm with caps



(\*) : In standard(straight) applications,  
Routing Dimensions= Glass for 8mm with caps



356921 is used inner side of bottom rail  
356921 is used outer side of bottom rail

1 PREPARE MOUNTING HOLES WITH Ø8 mm DRILL ACCORDING TO DIMENSIONS SHOWN ON PICTURE

IT IS BETTER TO PLACE SCREWS BETWEEN TWO SASH IF YOU NEED ADJUST THE SCALES, IT WILL BE EASIER

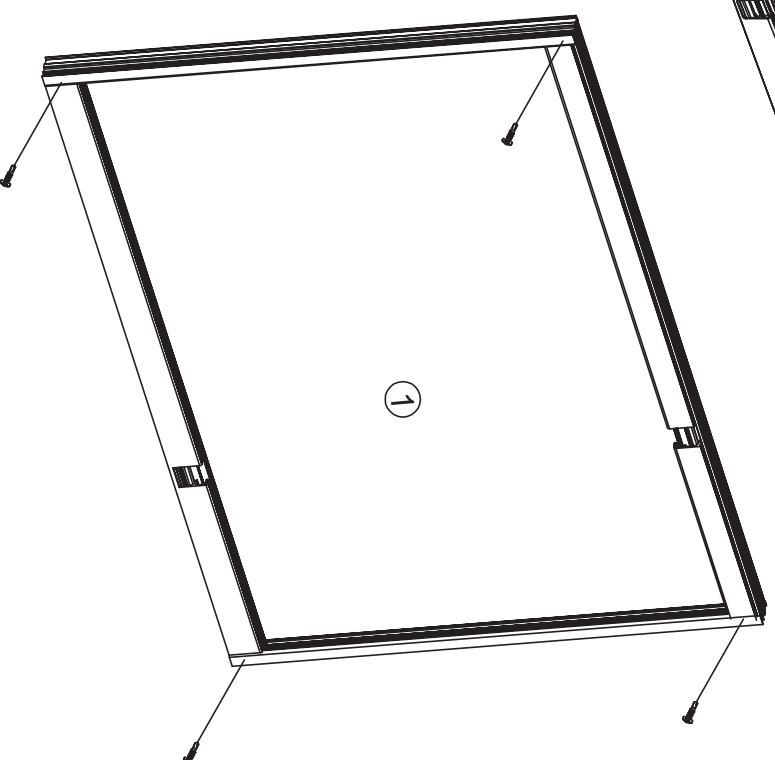
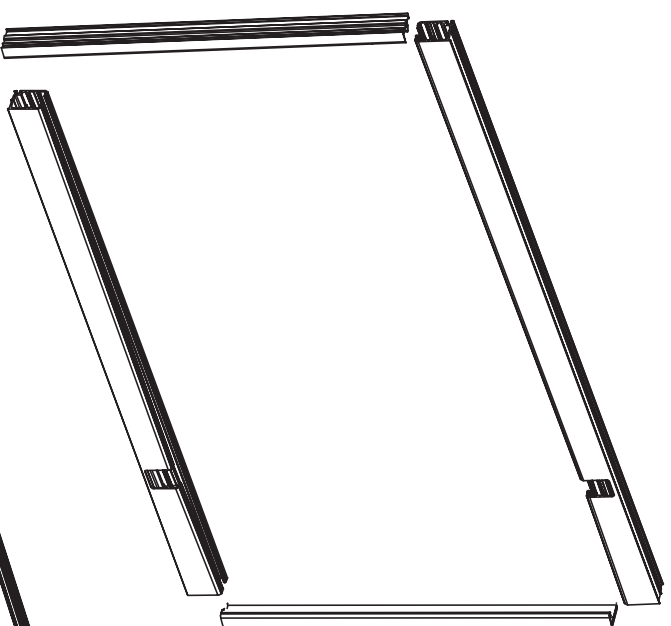
2 MILLING PROCESS WILL BE APPLIED ON INSIDE SURFACE OF THE PROFILE ACCORDING TO THE DIMENSION

3 PLACE THE PRODUCTS ON RAIL PROFILE RESPECTIVELY

4 MILLING PROCESS WILL BE APPLIED ON OUTSIDE SURFACE OF THE PROFILE ACCORDING TO THE DIMENSION FOR WATER DRAINAGE

CAMMODA BELLA  
BOTTOM RAIL

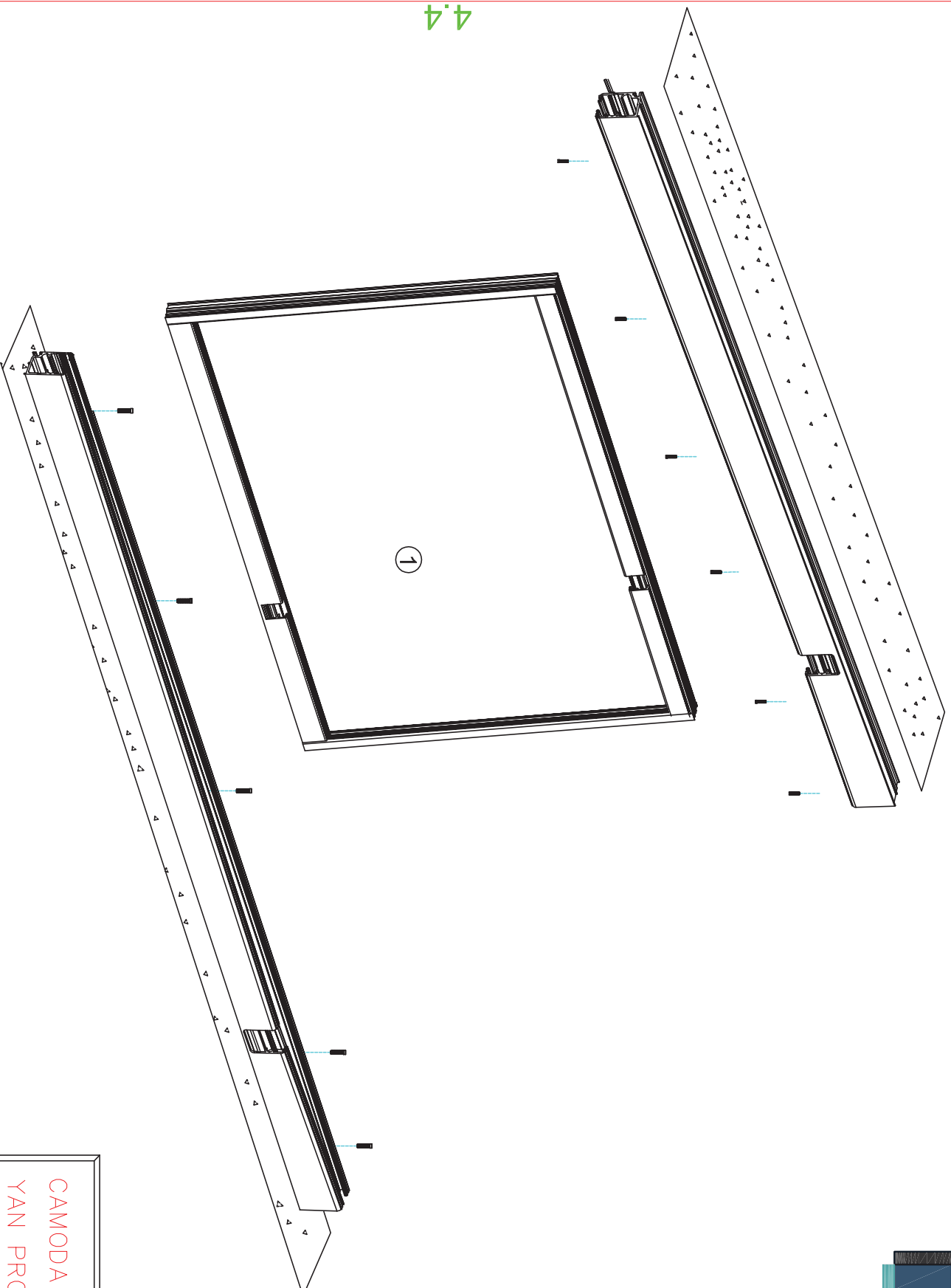
① SCREW CHAMBERED SIDE  
PROFILES TO TOP AND BOTTOM  
PROFILES AND MAKE A FRAME



4.3

CAMODA BELLA

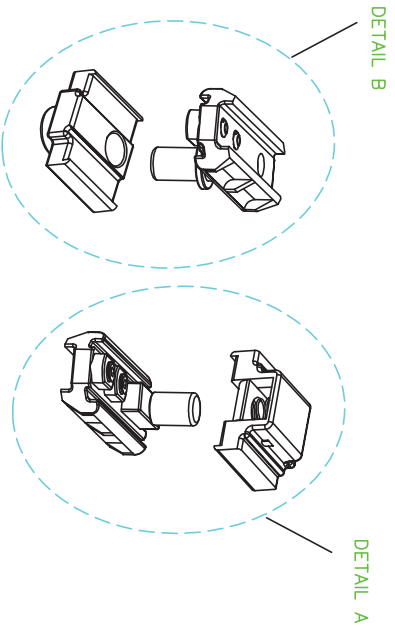
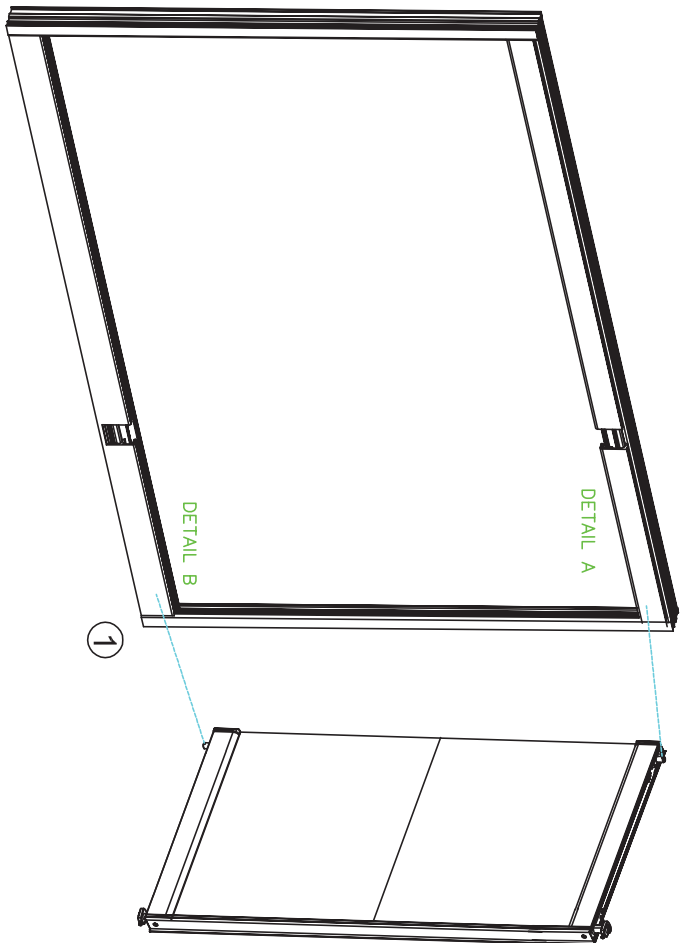
① IN ORDER FOR THE SYSTEM TO WORK SMOOTHLY, IT MUST BE ENSURED THAT THE FLOOR ON WHICH THE RAIL PROFILE IS TO BE MOUNTED MUST BE ON SCALES SURFACE MUST BE CLEAN



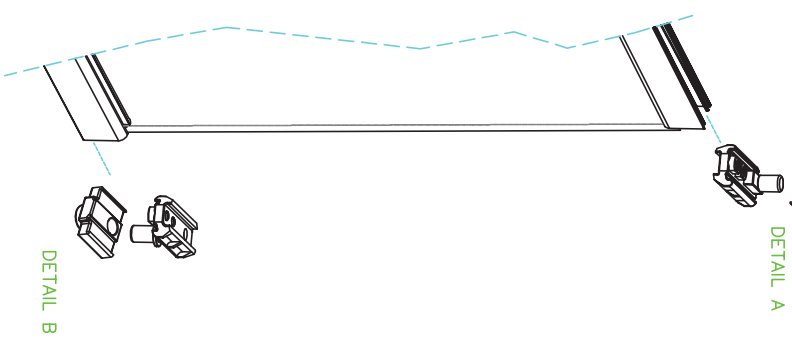
4.4

CAMODA BELLA  
YAN PROFİL MONTAJI

Pratik menteşe seti üst gövde parçası üstte ray profili içinde konumlandırılır.



HINGE SET  
356893



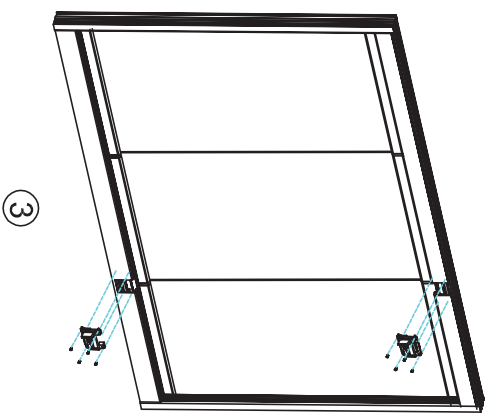
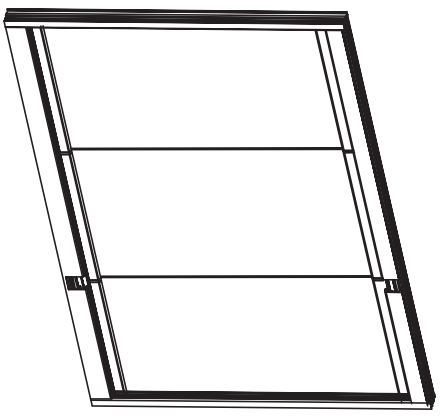
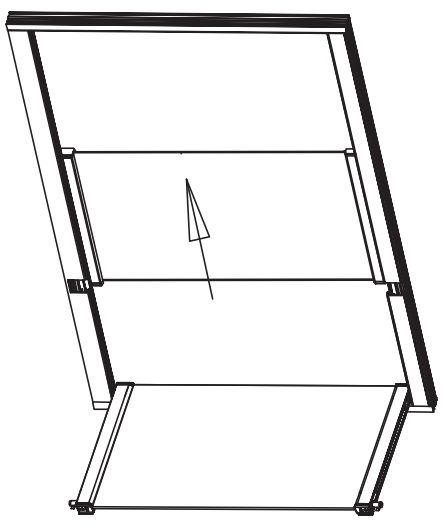
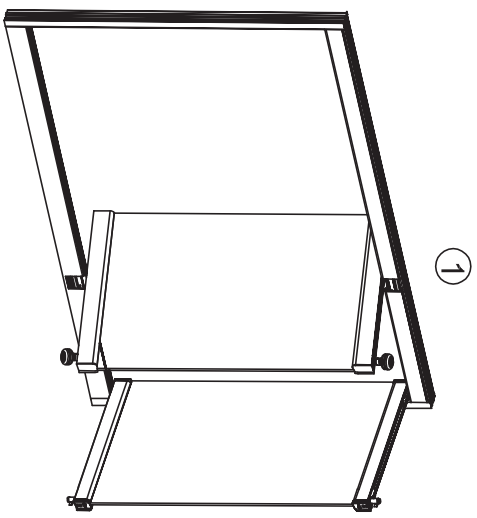
1 PINS OF HINGED SASH IS PLACED TO THE PLASTIC PARTS OF SET THAT ARE PLACED IN THE RAIL

CAMODA BELLA  
HINGED SASH

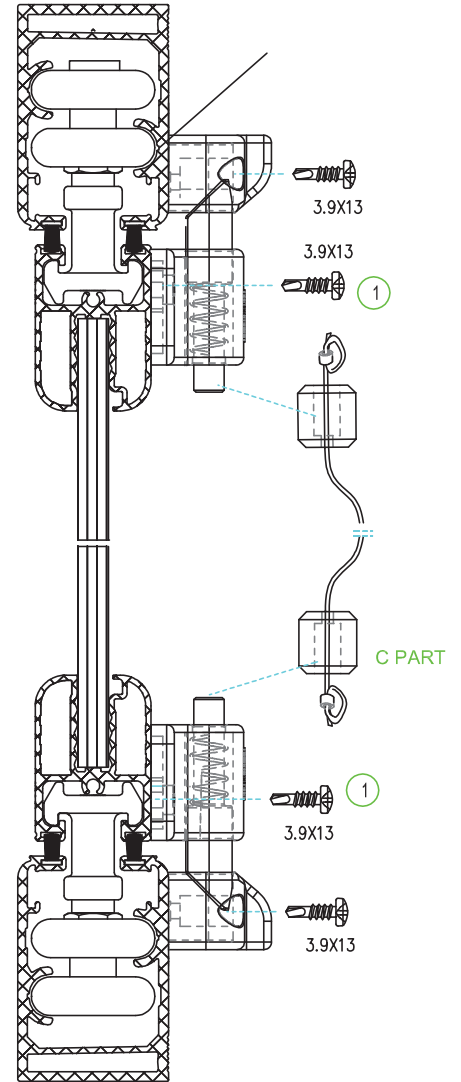
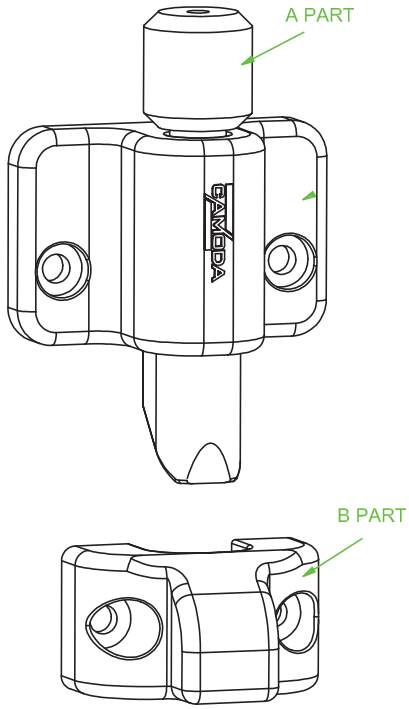


**İŞLEM SIRASI**

- 1 PLACE ALL THE SASHES INTO RAIL
- 2 CHECK SASHES MOVEMENT IF THERE IS A PROBLEM TRY TO ADJUST THE SCALES
- 3 INSTALL 356928 WHEEL GUIDE SET WITH Ø3.5X9.5 SCREW



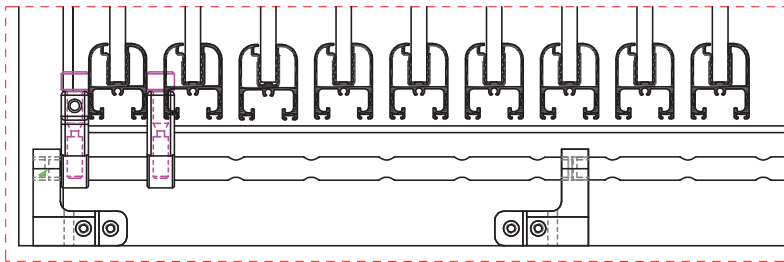
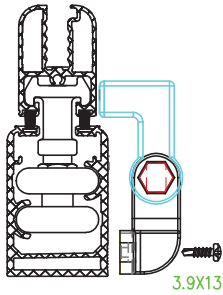
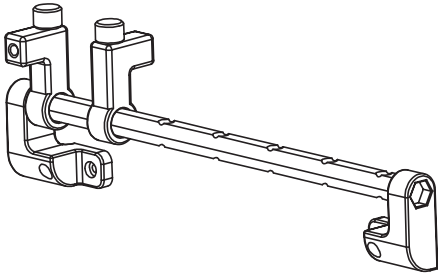
# CAMODA BELLA LOCKED MOUNTING



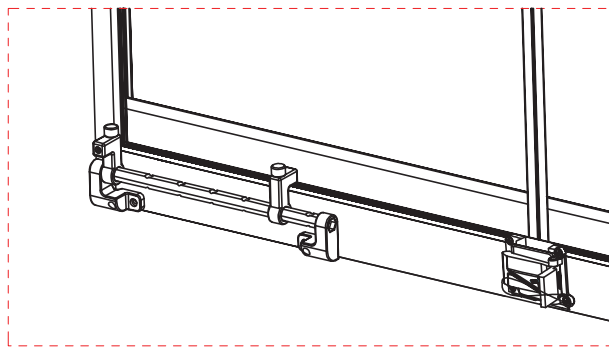
## İŞLEM SIRASI:

- ① SCREW THE PART A TO SASH
- ② ADJUST THE LENGTH OF STEEL CORD AND PRESS THE LEAD MATERIAL TO FIX STEEL CORD
- ③ SCREW THE PART B TO RAIL
- ④ STEEL CORD TENSION CAN BE ADJUSTED WITH PART C

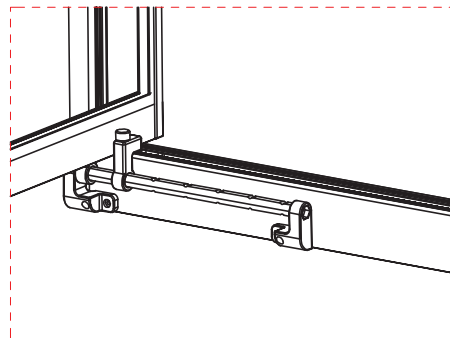
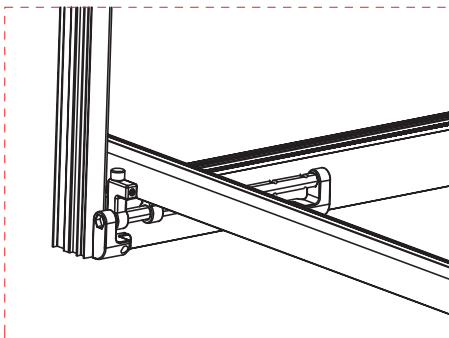
# CAMODA BELLA HANDLE SET MOUNTING



ONE HANDLE IS FOR MAXIMUM 6 SASHES



CLOSED  
POSITION



OPENED POSITION