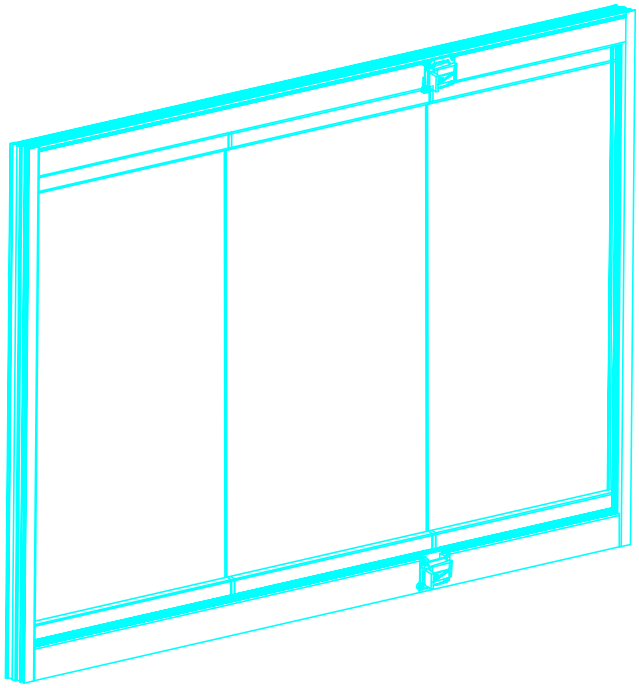
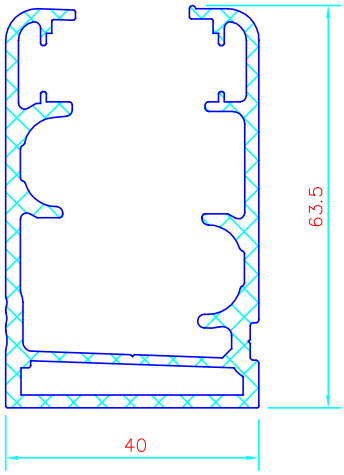


CAMODA
Balcony Glazing

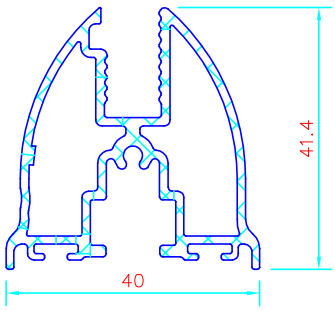
CAMODA ECO BELLA
FABRICATION MANUAL

MAIN PROFILES

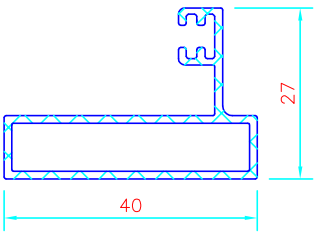
CAMODA ECO BELLA



RAIL
356630



SASH
356632

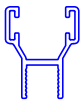


SIDE
356633

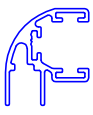
ACCESSORY PROFILES

CAMODA ECO BELLA

h GLASS COVER-8
356789



u GLASS COVER-8
356788



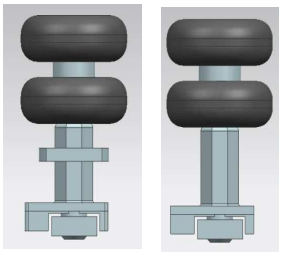
90 CORNER
GLASS COVER-8
356634

90° CORNER
ACTIVE GLASS COVER-8
356635

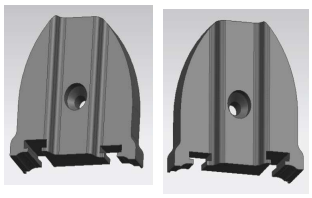
135° CORNER
ACTIVE GLASS COVER-8
356636

HARDWARES

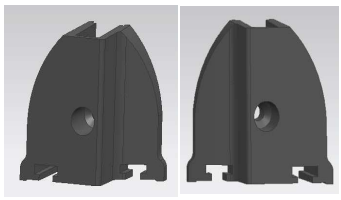
HINGED SASH KIT
356854



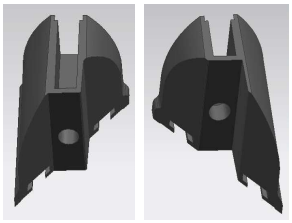
ROLLER KIT
356855



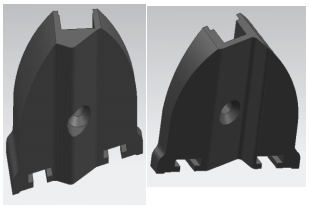
SASH CAP SET
356856



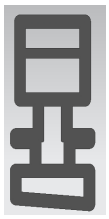
SIDE SASH PR CAP SET
356857



90 CORNER SASH PR CAP
356858



135 CORNER SASH PR CAP
356859

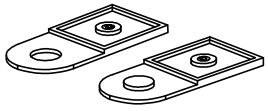


VERTICAL FRAME CONNECTOR
356860

BEAD CORD
356869

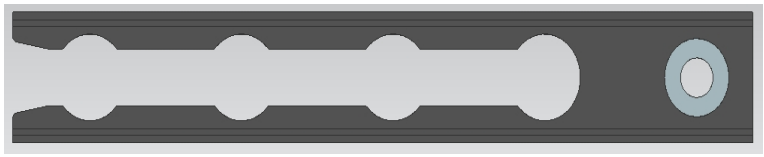
BRUSH PL-6.7x600
19732

BRUSH PL- 6.7x1200
19733



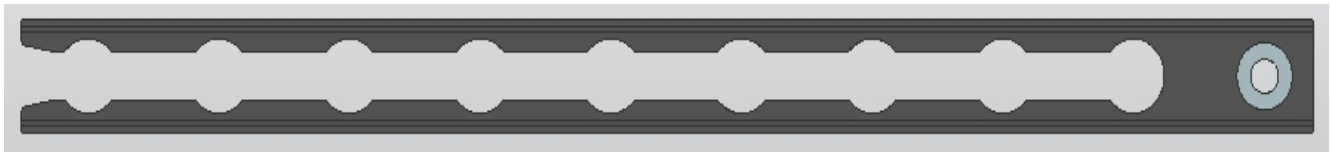
CORNER CONNECTOR-ZAMAK
356922

HARDWARES 2



SASH TURN LOCK SET-5

356865



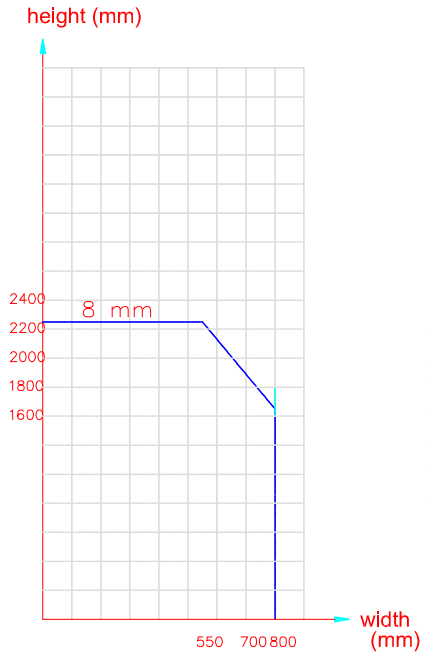
SASH TURN LOCK SET-10

356868

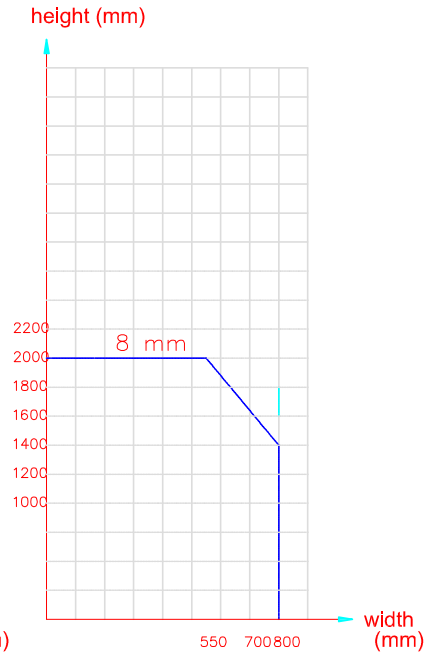
CAMODA ECO BELLA
MAXIMUM DIMENSIONS

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

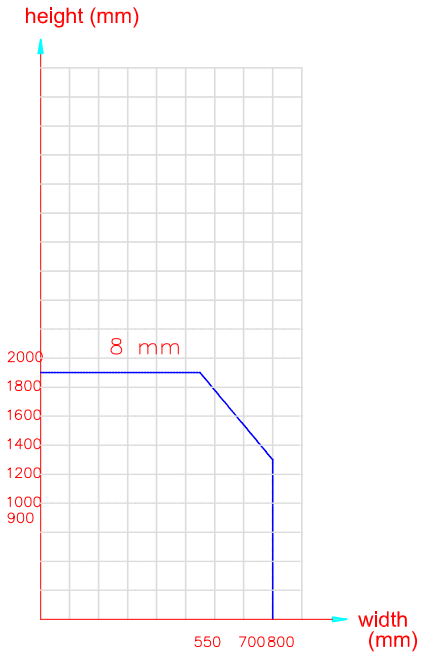
GROUP A

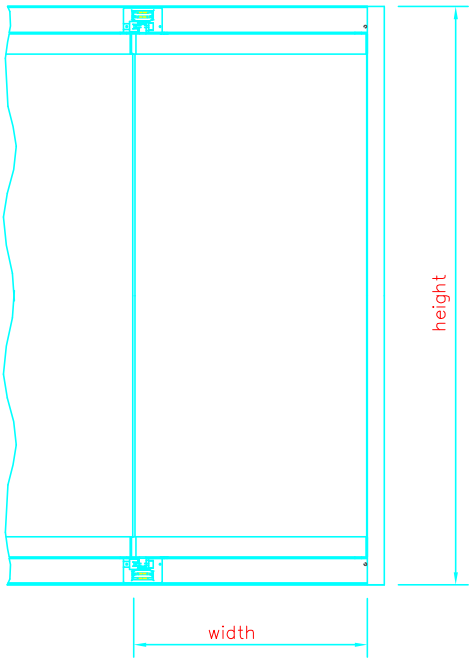


GROUP B

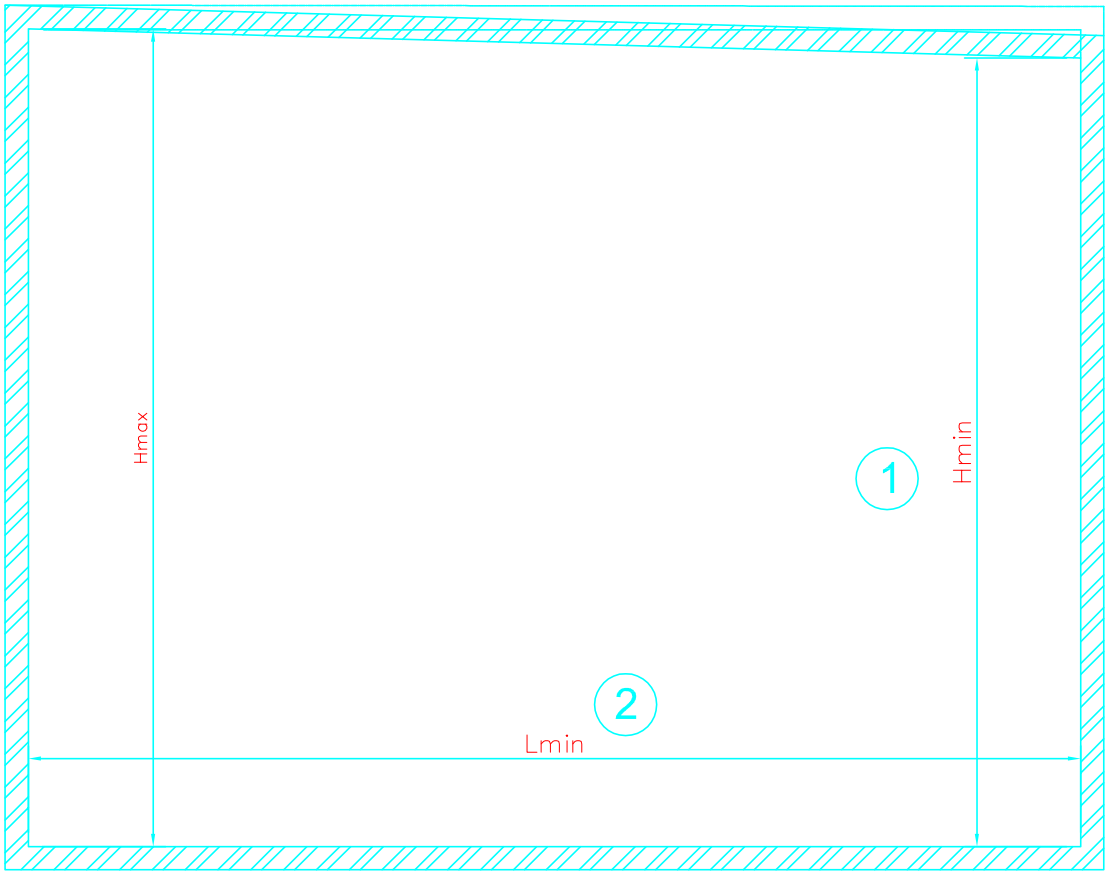


GROUP C





CAMODA ECO BELLA PRODUCTION LIMITS-2



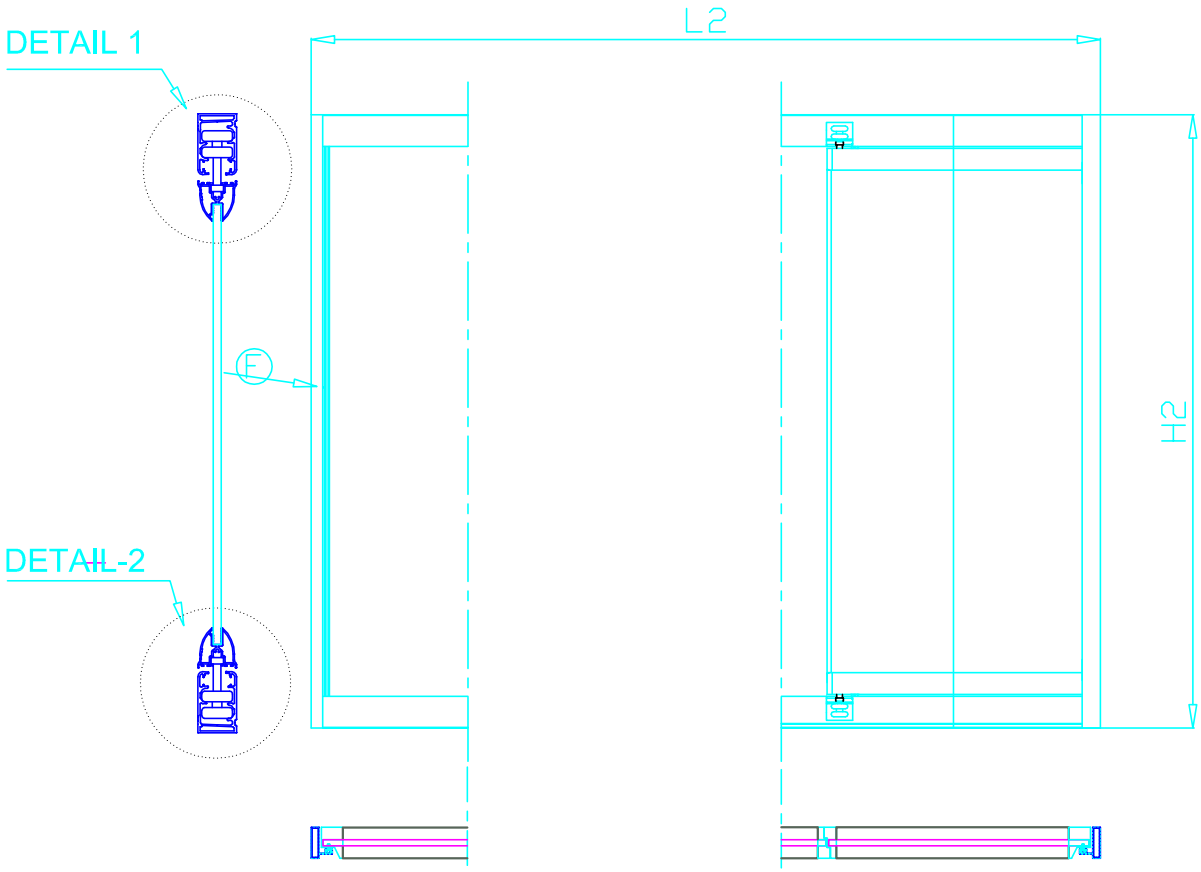
Hmin: Minimum Height that Camoda will be applied
Hmax: Maximum Height that Camoda will be applied
Lmin: Minimum width that Camoda will be applied

PROCESS FLOW

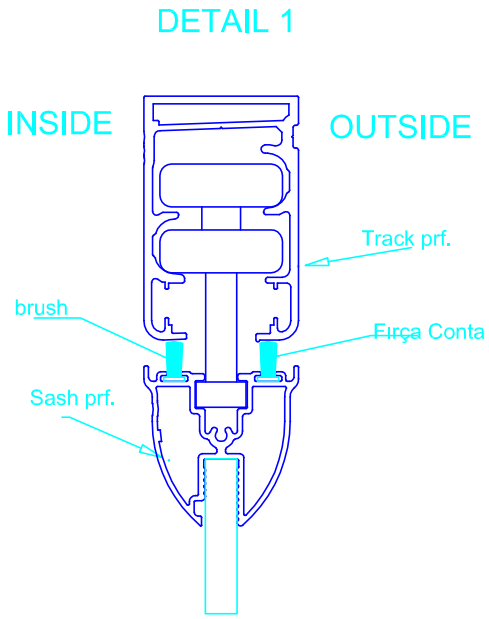
1. narrowest height should be found.
2. Narrowest width should be found
3. 10mm gap should be thought according to narrowest width and height

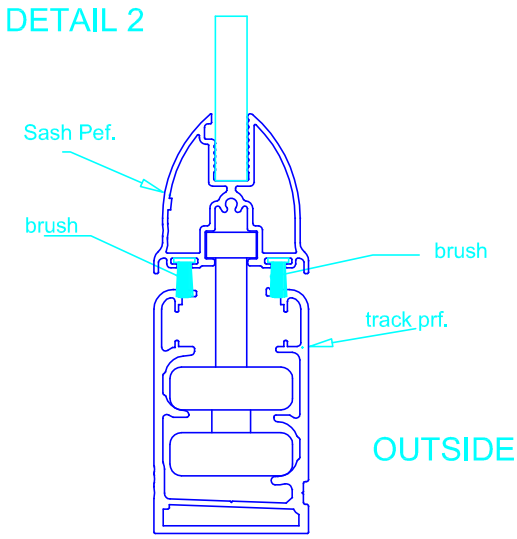
CAMODA
Balcony Glazing

CAMODA ECO BELLA std (without angle) APPLICATION CUTTING SIZES



$L_2 = L_{min} - 10$ mm
$H_2 = H_{min} - 10$ mm





CAMODA
Balcony Glazing

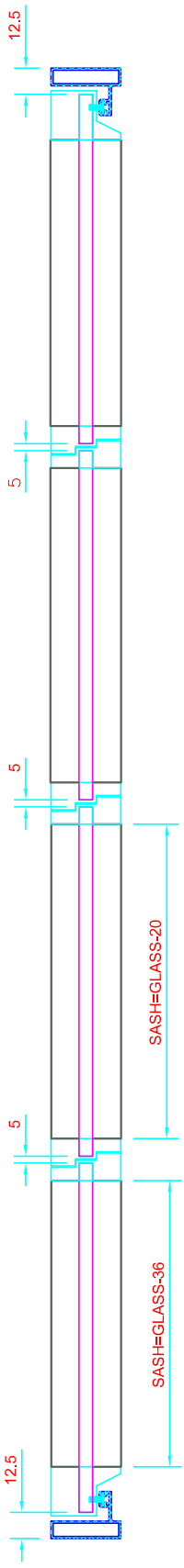
CAMODA ECO BELLA std (without angle) APPLICATION CUTTING SIZES

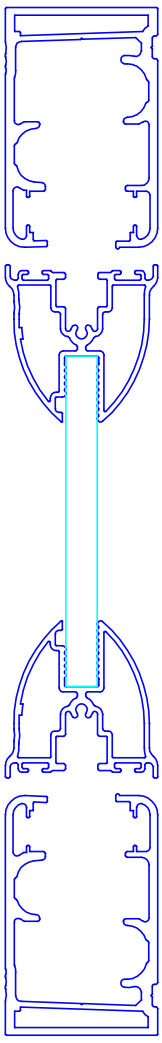
N=Total Panel qty

PRODUCT NAME	REF.	Qty	CUTTING SIZES	
RAIL 356630	A	2	L_2	
GLASS SIZES (NOTE 1)	B	N	WIDTH: $\frac{(L_2-25-((N-1)*5))}{N}$	HEIGHT: $H_2 - 183$
SASH PROFILE 356632	C	2x(N-2)	B-20	
END SASH PROFILE 356632	D	4	B-36	
SIDE PROFILE 356633	E	2	$H_2 - 127$	
h GLASS COVER-8 356789	F	SWING QTY	$H_2 - 218$	
u GLASS COVER-8 356788	G	N-1-SWING QTY	$H_2 - 218$	
HINGED PANEL KIT 356854	H	SWING QTY		
ROLLER 356855	I	(N- SWING QTY)x4		
SASH COVER CAP 356856	J	(N-1)x4		
SIDE SASH PR CAP 356857	K	4		
VERTICAL FRAME CONNECTOR 356860	L	4		
SASH TURN LOCK SET 35686*	M	SWING QTY x 2		
WEATHERSTRIP PL- 6.7x1200 19733	C1	2x(N-2)	B	
WEATHERSTRIP PL- 6.7x1200 19733	D1	2	B	
WEATHERSTRIP PL- 6.7x1200 19733	E1	2	E	
WEATHERSTRIP PL- 6.7X600 19732	F1	SWING QTY	F	
WEATHERSTRIP PL-6.7X600 19732	G1	(N-1- SWING QTY)x2	G	
BEAD CORD 356869		SWING QTY	H_2	

SWING QTY = 1

SWING QTY = 2

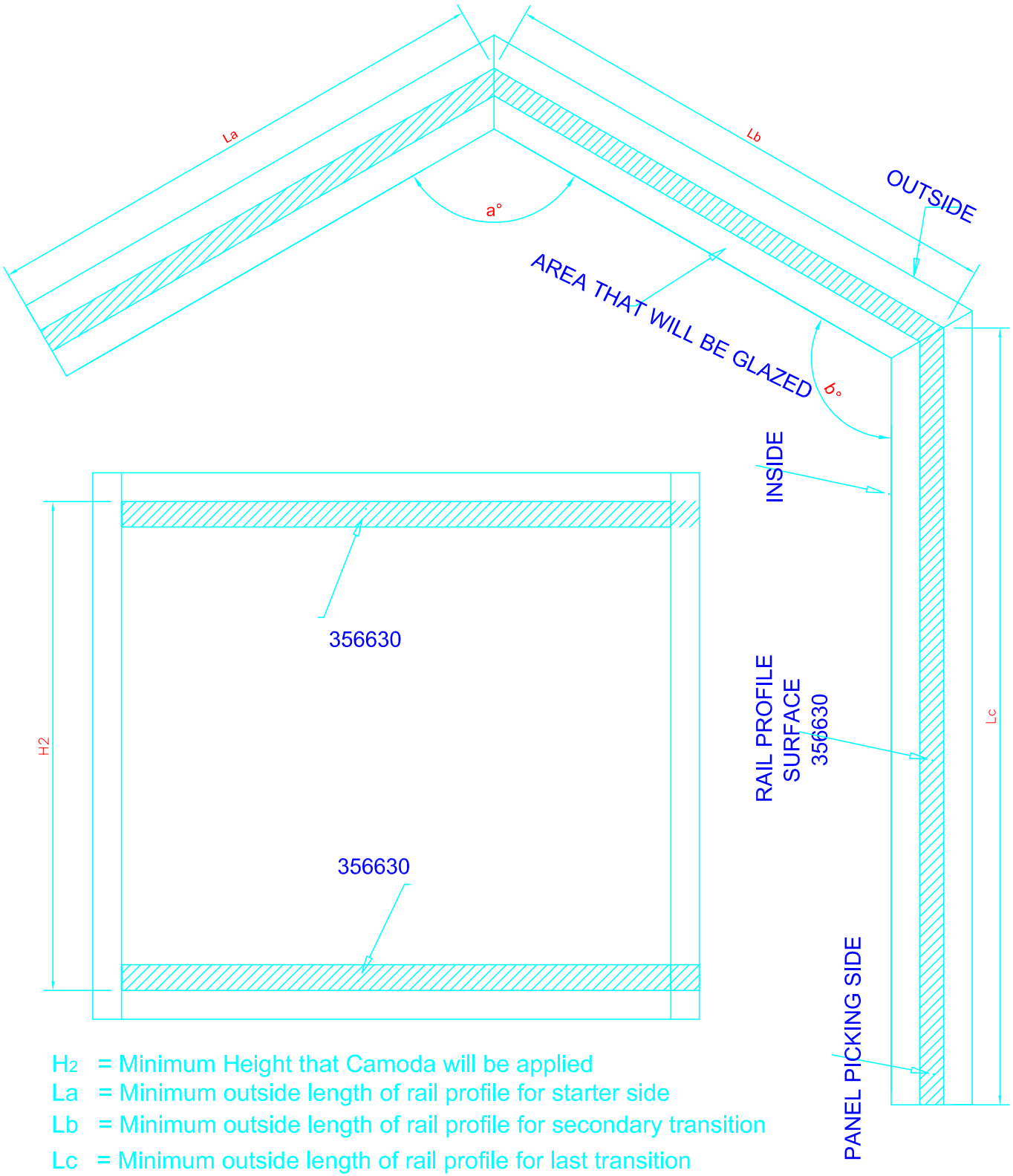




GLASS= H-183
GLASS COVER= H-218
SIDE PROFILE= H-127

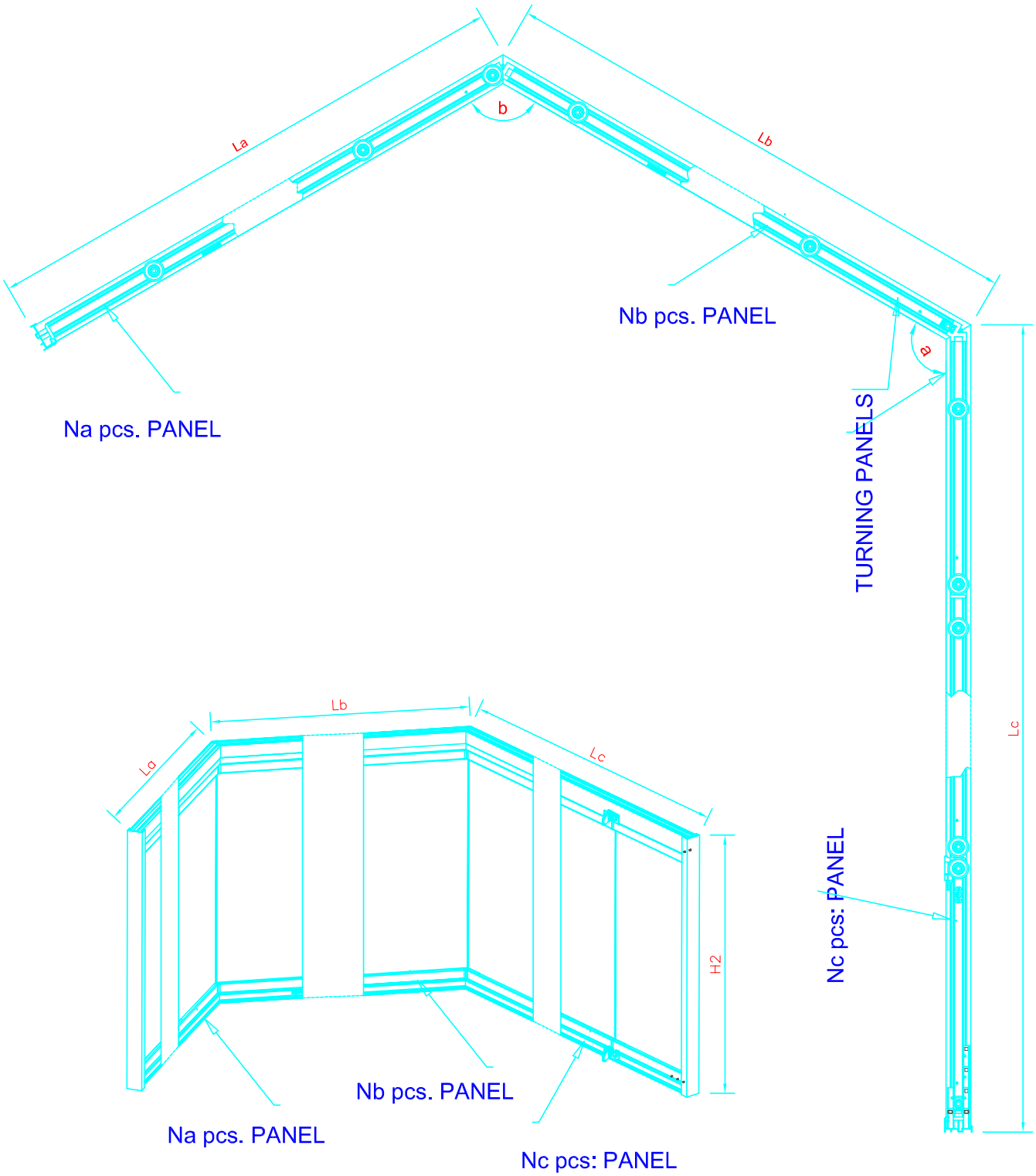
NOTE 1: GLASS SIZES SHOULDN'T EXCEED THE MAXIMUM DIMENIONS MENTIONED ON PAGE 2.1
NOTE 2: IT'S SUPPOSED THAT SASHES HAVE THE SAME WIDTH

CAMODA ECO BELLA
MEASURING FOR INSTALLATION THE ANGLED GLAZING



H_2 = Minimum Height that Camoda will be applied
La = Minimum outside length of rail profile for starter side
Lb = Minimum outside length of rail profile for secondary transition
Lc = Minimum outside length of rail profile for last transition

CAMODA ECO BELLA
THE ANGLED GLAZING EXAMPLE



CAMODA
Balcony Glazing

CAMODA ECO BELLA (90° ANGLED) APPLICATION CUTTING SIZES

N=Total Panel qty.

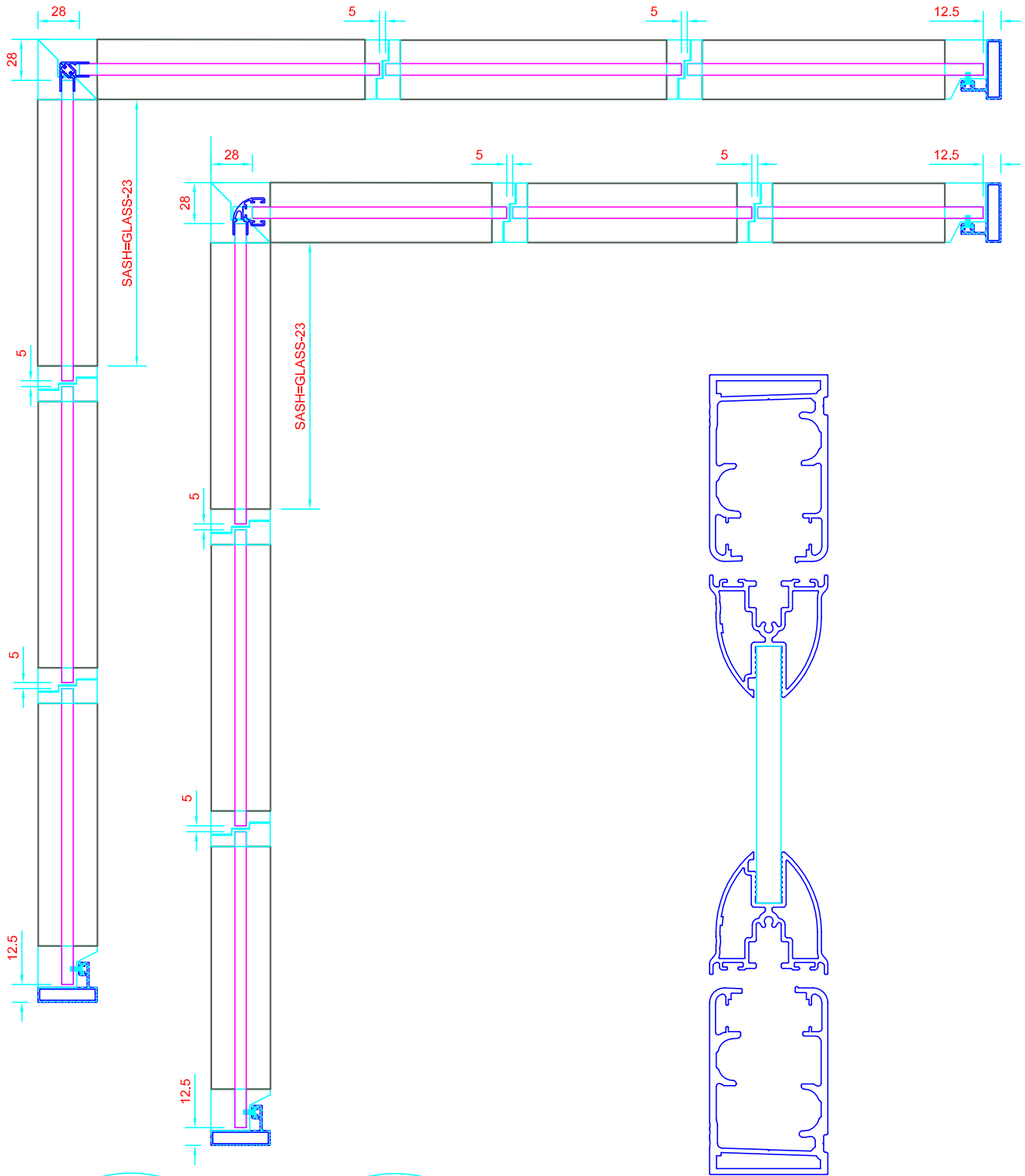
PRODUCT NAME	REF.	Qty	CUTTING SIZES	
RAIL 356630	A	2	L_b	
GLASS SIZES (NOTE 1)	B	N	WIDTH: $\frac{L_b-46-5N}{N}$	HEIGHT: $H_2 - 183$
SASH PROFILE 356632	C	2x(N-2)	B-20	
END SASH PROFILE(WALL) 356632	D	4	B-36	
END SASH PROFILE(ANGLED) 356632	E	4	B-23	
SIDE PROFILE 356633	F	2	$H_2 - 127$	
h GLASS COVER-8 356789	G	SWING QTY	$H_2 - 218$	
u GLASS COVER-8 356788	H	N-1-SWING QTY	$H_2 - 218$	
HINGED SASH KIT 356854	I	SWING QTY		
ROLLER 356855	J	(N-SWING QTY)x4		
SASH COVER CAP 356856	K	(N-1)x4		
END CAP 356857	L	4		
90 CORNER SASH PR CAP 356858	M	2		
VERTICAL FRAME CONNECTOR 356860	N	4		
GUIDE-X 35686*	O	SWING QTY x 2		
BRUSH 6.7X1000 19736	D1	2x(N-2)	B	
BRUSH 6.7X1000 19736	E1	2	B	
BRUSH 6.7X1000 19736	F1	2	E	
BRUSH 6.7X600 19732	G1	SWING QTY	F	
BRUSH 6.7X600 19732	H1	(N-1-SWING QTY)x2	G	
BEAD CORD 356869		SWING QTY	H_2	

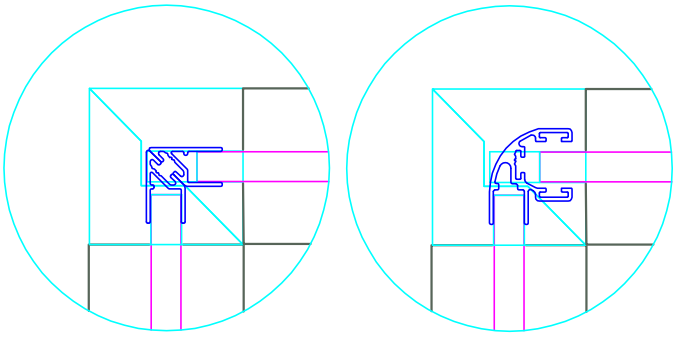
SWING QTY = 1

SWING QTY = 2

NOTE 1: GLASS SIZES SHOULDNT EXCEED MAXIMUM DIMENSIONS METIONED IN 2.1
NOTE 2: ITS SUPPOSED THAT SASHES HAVE THE SAME WIDTH

CAMODA
Balcony Glazing





GLASS= H-183
h RIB= H-218
SIDE PROFILE= H-127

NOTE 1: GLASS SIZES SHOULDNT EXCEED MAXIMUM DIMENSIONS METIONED IN 2.1
NOTE 2: ITS SUPPOSED THAT SASHES HAVE THE SAME WIDTH

CAMODA ECO BELLA (135° ANGLED) APPLICATION CUTTING SIZES

N=Total Panel qty.

PRODUCT NAME	REF.	Qty	CUTTING SIZES	
RAIL 356630	A	2	L_b	
GLASS SIZES (NOTE 1)	B	N	WIDTH	HEIGHT
			$\frac{L_b-12.5-11-((N-1)*5)}{N}$	$H_2 - 183$
SASH PROFILE- 356632	C	2x(N-2)	B-20	
END SASH PROFILE(WALL) 356632	D	4	B-36	
END SASH PROFILE(ANGLED) 356632	E	4	B-20	
SIDE PROFILE 356633	F	2	$H_2 - 127$	
h GLASS COVER-8 356789	G	SWING QTY	$H_2 - 218$	
U GLASS COVER-8 356788	H	N-1-SWING QTY	$H_2 - 218$	
HIMGED SASH KIT 356854	I	SWING QTY		
ROLLER 356855	J	(N-SWING QTY)x4		
SASH SIDE CAP 356856	K	(N-1)x4		
END CAP 356857	L	4		
135 CORNER SASH PR CAP 356859	M	2		
VERTICAL FRAME CONNECTOR 356860	N	4		
GUIDE-X 35686*	O	SWING QTY x 2		
BRUSH 6.7X1000 19736	D1	2x(N-2)	B	
BRUSH 6.7X1000 19736	E1	2	B	
BRUSH 6.7X1000 19736	F1	2	E	
BRUSH 6.7X600 19732	G1	SWING QTY	F	
BRUSH 6.7X600 19732	H1	(N-1-SWING QTY)x2	G	
BEAD CORD 356869		SWING QTY	H_2	

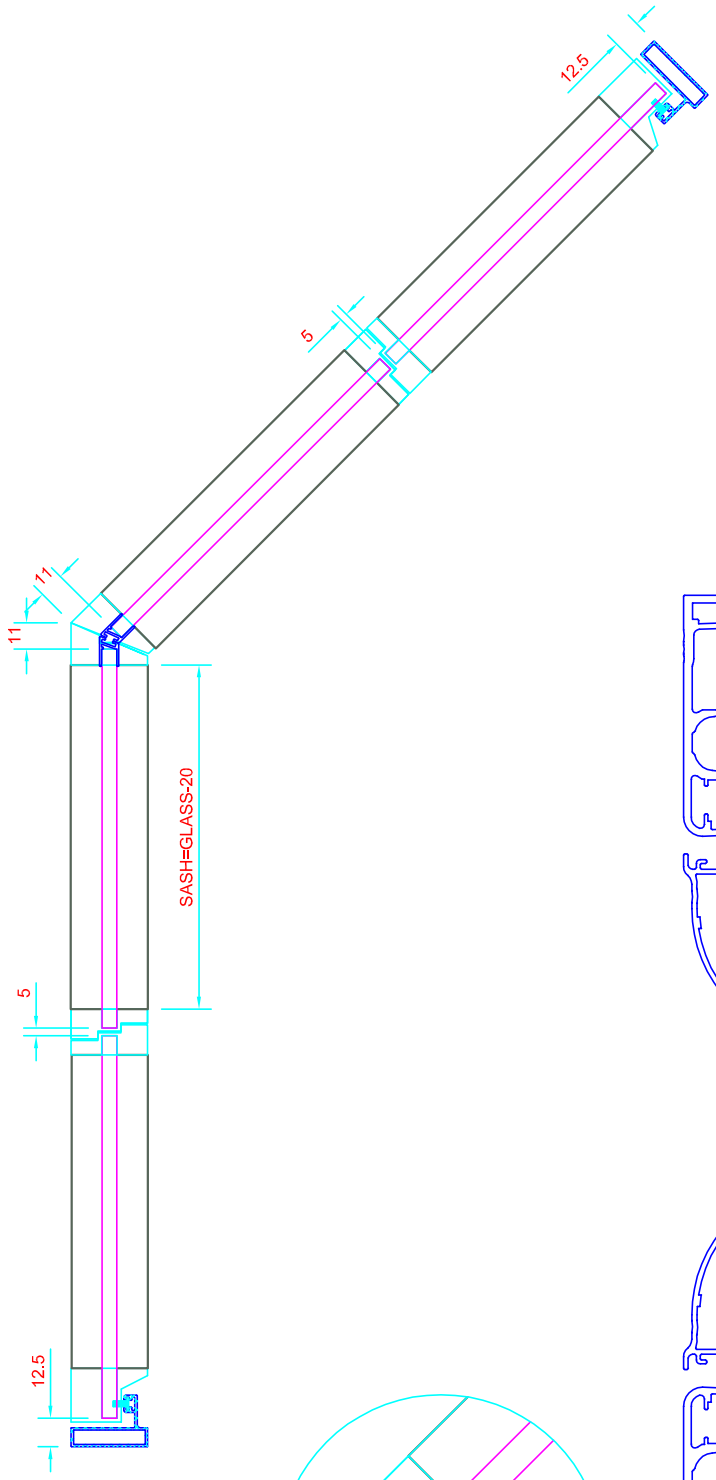
SWING QTY = 1

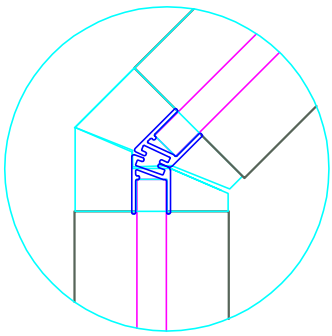
SWING QTY = 2

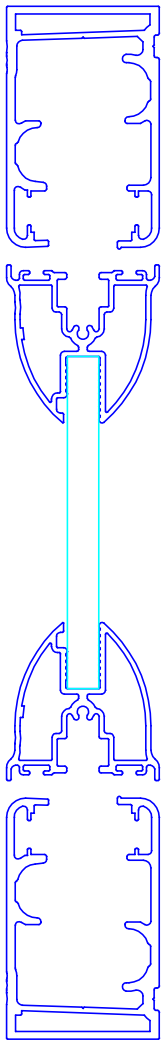
NOTE 1: GLASS SIZES SHOULDNT EXCEED MAXIMUM DIMENSIONS METIONED IN 2.1

NOTE 2: ITS SUPPOSED THAT SASHES HAVE THE SAME WIDTH

CAMODA
Balcony Glazing







GLASS= H-183
h RIB= H-218
SIDE PROFILE= H-127

NOTE 1: GLASS SIZES SHOULDNT EXCEED MAXIMUM DIMENSIONS METIONED IN 2.1
NOTE 2: ITS SUPPOSED THAT SASHES HAVE THE SAME WIDTH

CAMODA BELLA
ANGLED JOINT ROD

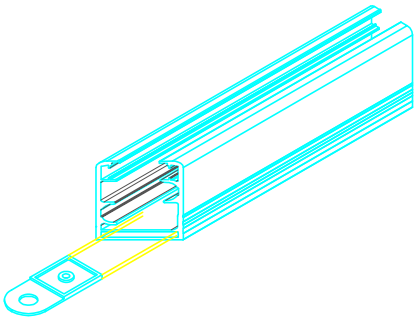


Figure 1

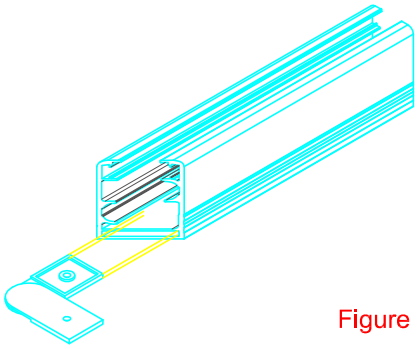


Figure 2

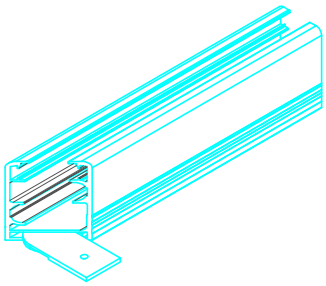


Figure 3

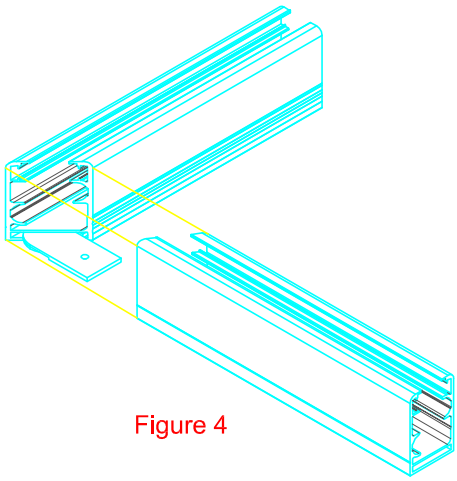
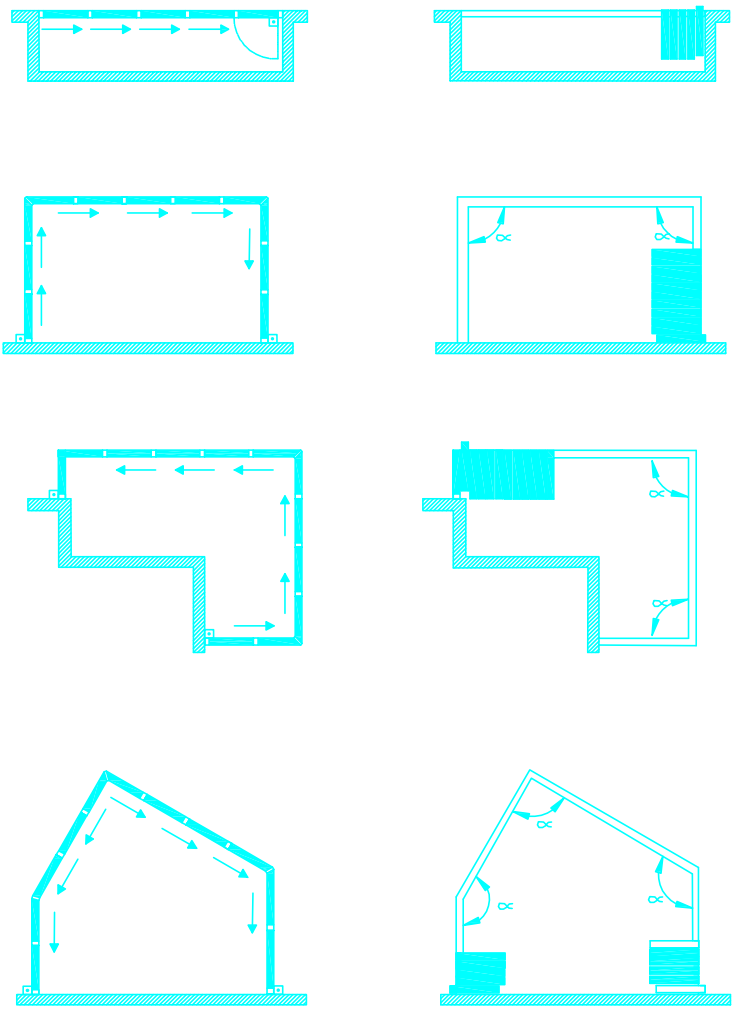


Figure 4

PROCESS ORDER

1. Profiles will be cut according to required angle.
2. Corner Joint Zamac part, should be slided 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.

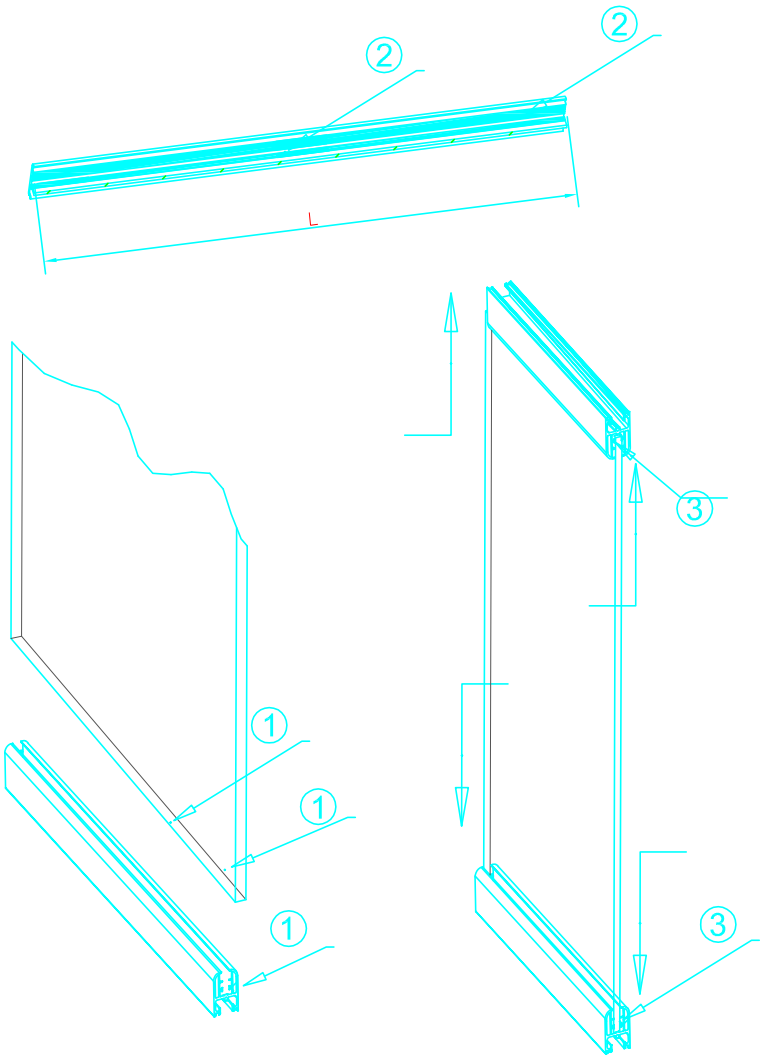
CAMODA ECO BELLA
APPLICATION SECTIONS

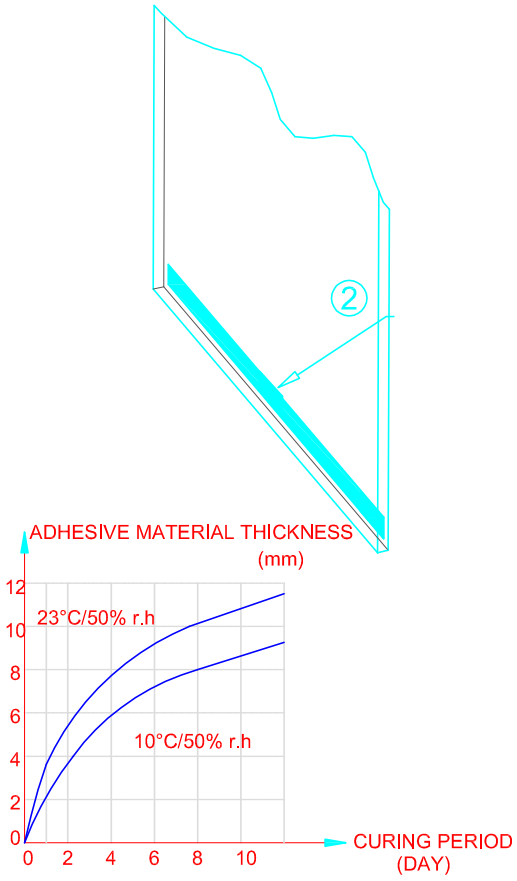


∝ min= 90° ∝ max= 270°

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

CAMODA ECO BELLA
BONDING INSTRUCTIONS FOR SASH AND GLASS





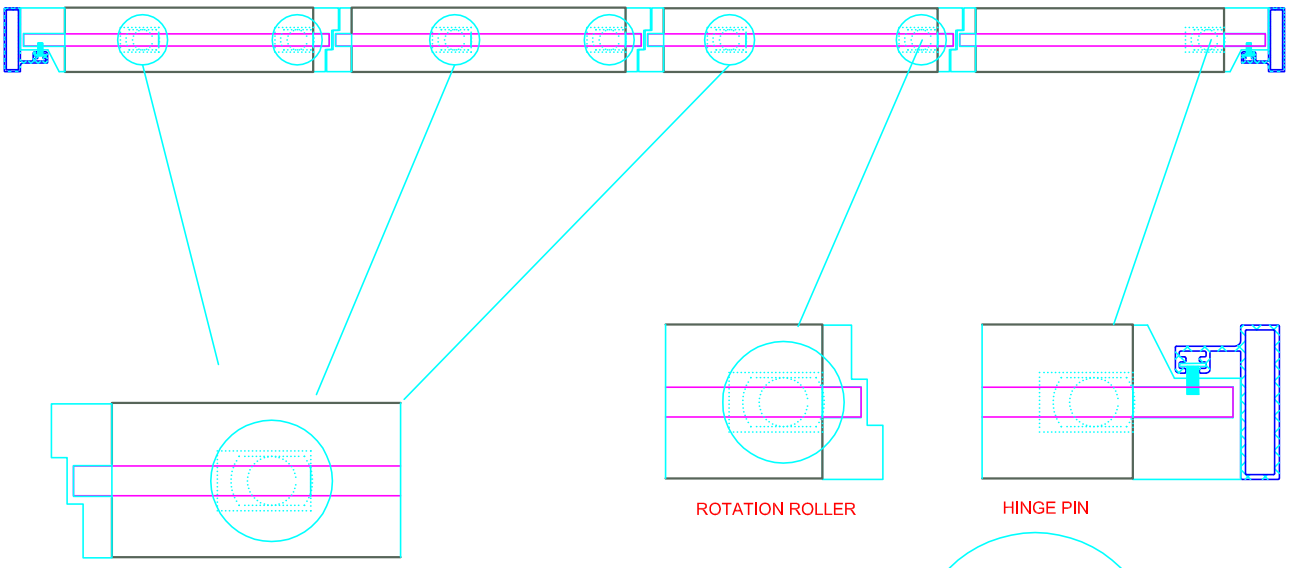
IMPORTANT!:
Its required to wait minimum 24 hours for curing process after bonding sash profiles to glasses.(23°C/%50 relative humidity) Curing period can be changed according to adhesive material thickness and humidity rate. see above table to use.

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 sticked 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 ECO BELLA
PREPARING THE PANEL

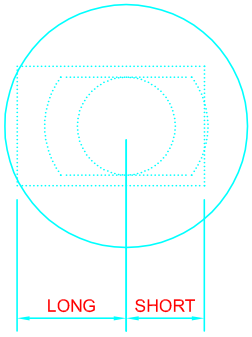


RELEASING ROLLER

ROTATION ROLLER

HINGE PIN

RELEASING ROLLERS ARE ADJUSTED ACCORDING TO ROLLER GATE AND FIXED

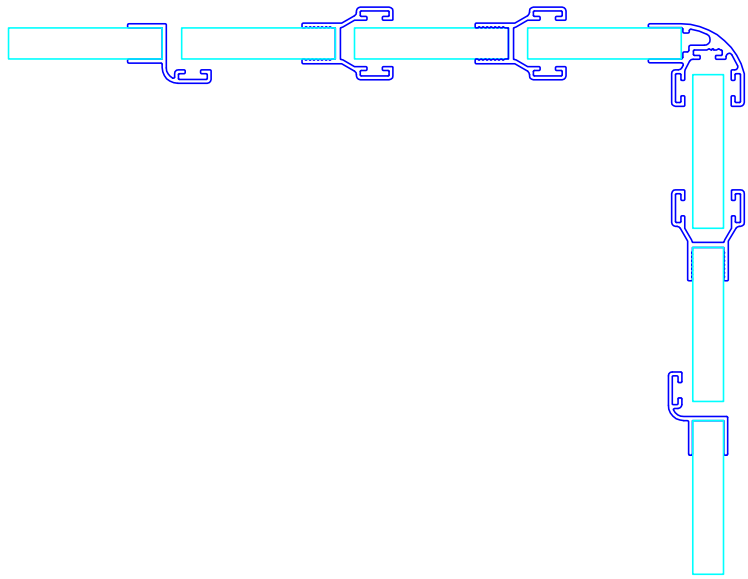


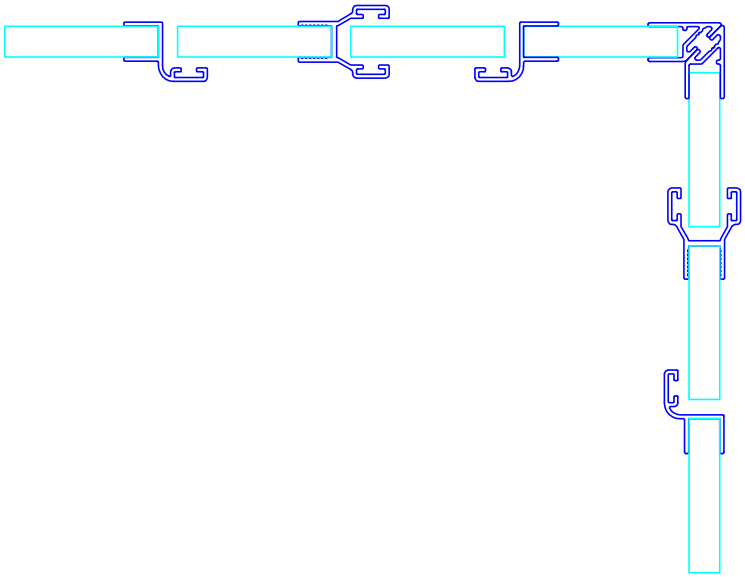
ROLLER

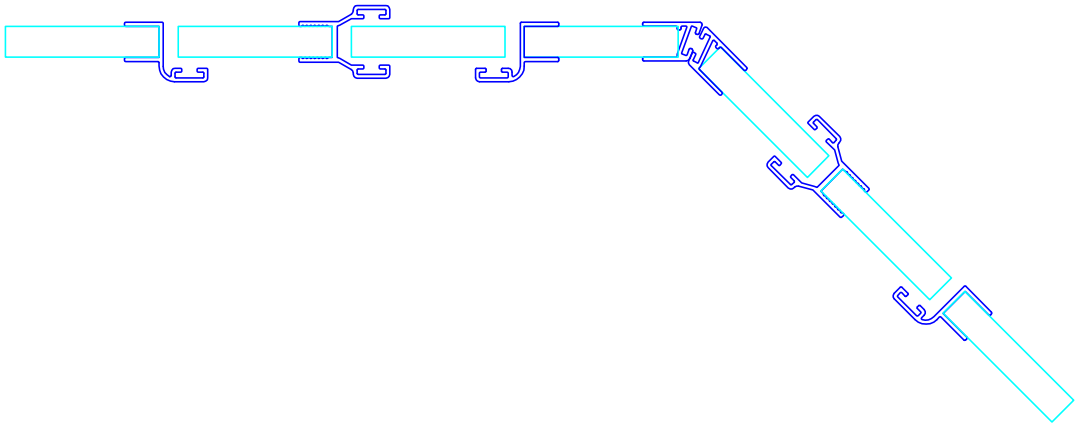
ZAMAC SHORT SIDE OF ROTATION ROLLERS ARE PULLED UP TO INJECTION CAP, THE ROLLER IS FIXED

CAMODA ECO BELLA
AL. CAP MONTAGE ON PANELS-2

APPLICATION DETAILS OF ALUMINIUM STANDARD CAP PROFILES:



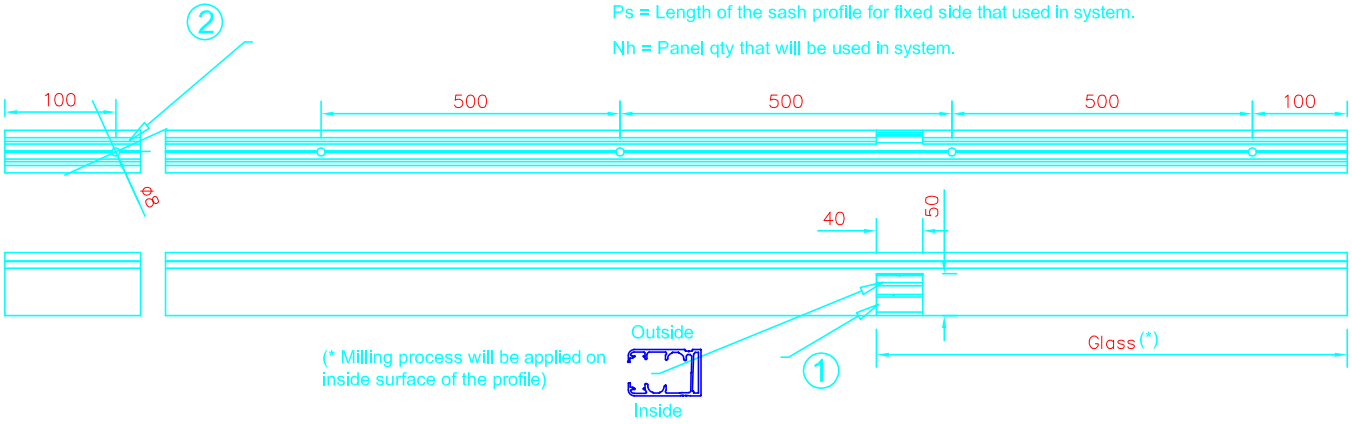




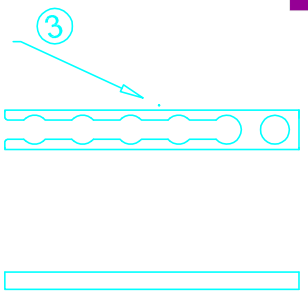
P = Length of the Sash Profile that will be used for system.

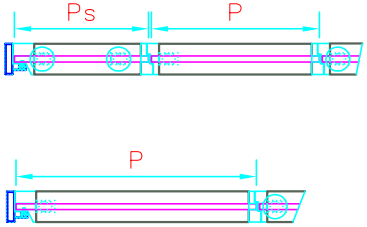
Ps = Length of the sash profile for fixed side that used in system.

Nh = Panel qty that will be used in system.



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



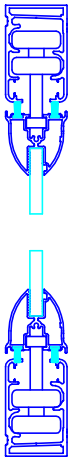


(*) : In standard(straight) applications, If there is a fixed side, milling dimension for fixed panel releasing;

Routing Dimensions= (Glass+ Glass fix+5)

(*) : In standard straight application, milling dimension for fixed panel releasing;

Routing Dimensions= Glass



1. MILLING PROCESS WILL BE APPLIED ON INSIDE SURFACE OF THE PROFILE ACCORDING TO THE DIMENSION
2. MOUNTING HOLES WILL BE PREPARED WITH Ø8 MM DRILL
3. SASH TURN LOCK SET WIL BE SLIDED INTO THE RAIL PROFILES

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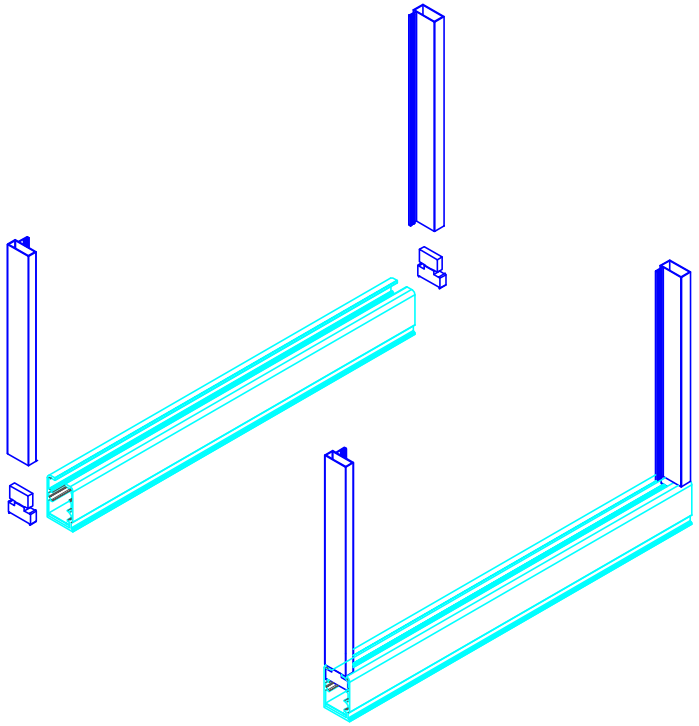
6.1

CAMODA
Balcony Glazing

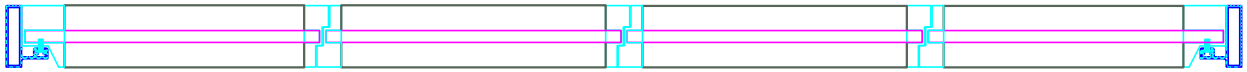


6.2

PROCESS ORDER

1. VERTICAL FRAME CONNECTOR AND SIDE PROFILE ARE ASSEMBLED ON BOTTOM AND TOP RAIL PROFILES

2. SIDE PROFILE PLACEMENT ARE ADJUSTED ACCORDING TO GLASS DIMENSIONS



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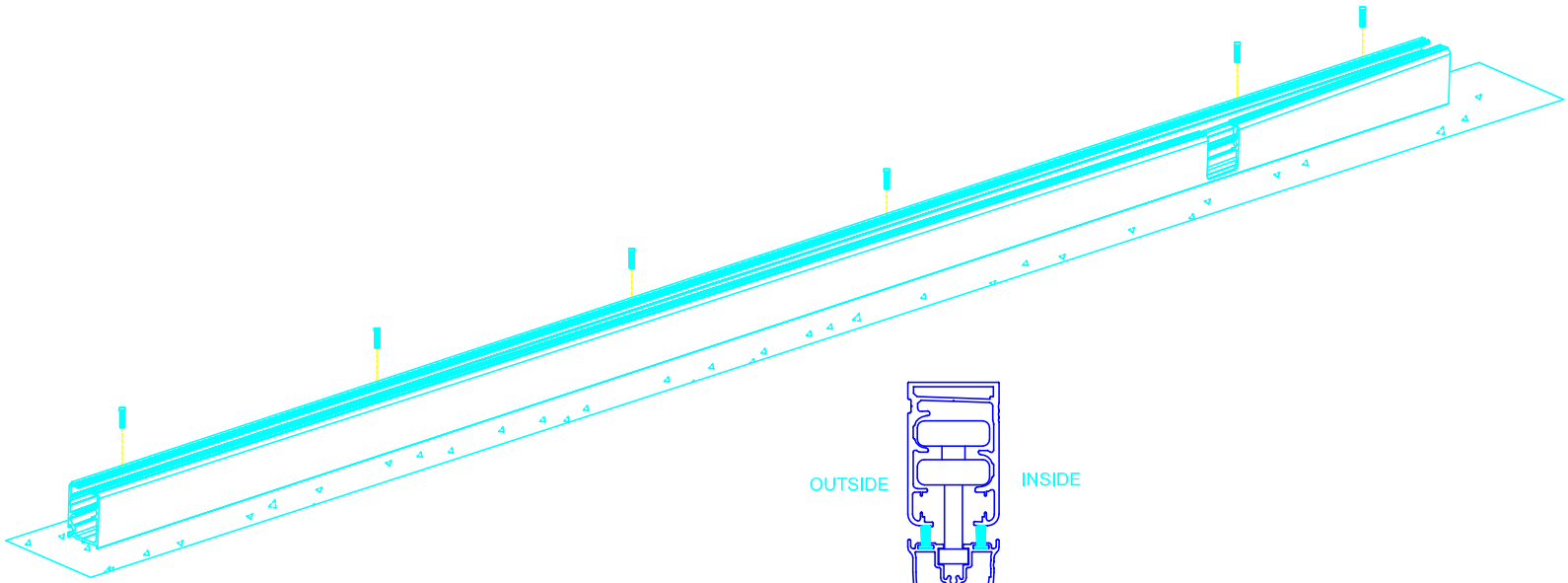
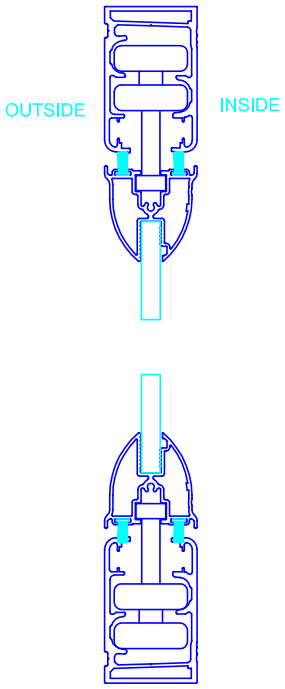
SIDE PROFILE INSTALLATION

CAMODA
Balcony Glazing

6.3





PROCESS ORDER

1. PLACEMENT OF RAIL SHOULD BE FLAT, BALANCED, CLEANED(THERE SHOULDNT BE ANY DUST, PLASTER WASTE) PROFILE SHOULD BE STRAIGHT,

2. LEVEL BALANCED RAIL PROFILE IS FIXED TO SECTION(WALL ETC.) WITH 7,5X100 SCREWS DUE TO HOLES CREATED PREVIOUSLY

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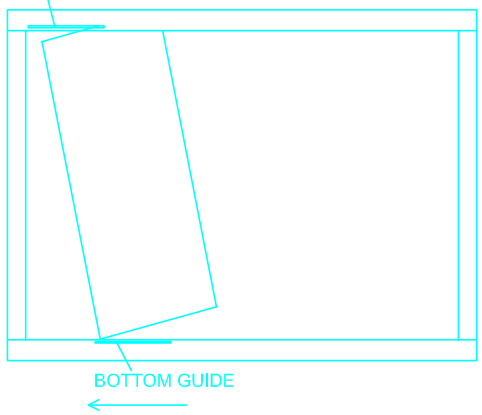
TRACK PROFILE INSTALLATION

CAMODA
Balcony Glazing

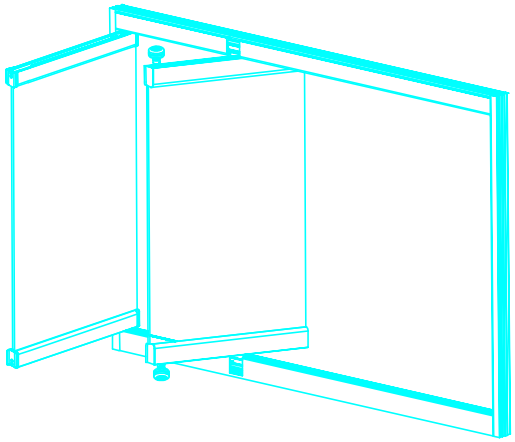
6.4

① TOP GUIDE

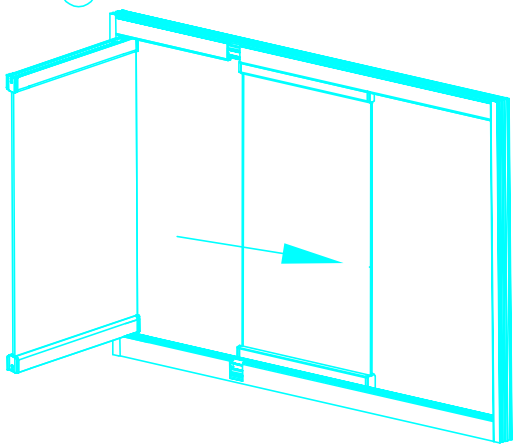


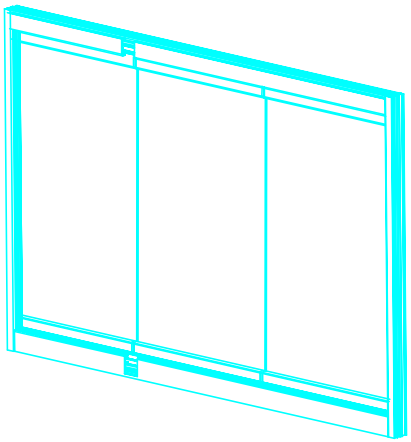
BOTTOM GUIDE

②

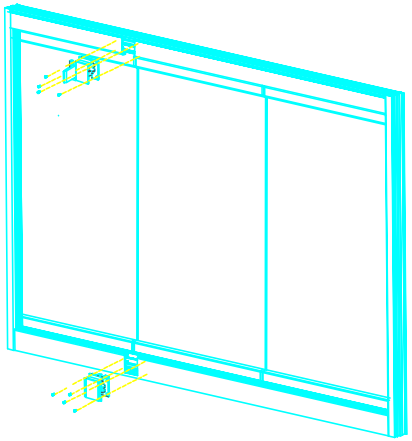


③





④



⑤

PROCESS ORDER

① BEFORE FIRST PANEL IS ASSEMBLED, BOTTOM SASH TURN LOCK SET IS PULLED BACK. AFTER THE PINS ON THE PANEL ARE LOCATED TO SASH TURN LOCK SET, PANEL AND GUIDE LEVEL MUST BE ARRANGED TO BE THE SAME WITH TOP GUIDE WITH PUSHING THE SASH TURN LOCK SET.

② LAST PANEL OF THE SYSTEM IS SLIDED TO SYSTEM ACCORDING TO RELEASING ROLLERS ARE PLACED ON RAILFIRSTLY.

③ AFTER LAST PANEL IS PLACED, IT IS SLIDED TO ITS SITE TO SEE IF THERE IS FRICTION OR NOT. IF IT IS, RAIL PROFILE IS SUPPORTED OR ROLLERS ARE ADJUSTED BY NUTS.

④ ALL PANELS ARE SLIDED AND SYSTEM IS CLOSED

⑤ FOLDING RELEASING SETS ARE FIXED ON TOP AND BOTTOM TRACK BY 3,5x9.5 SCREWS. AND CLOSING THE PANELS, RELEASING ROLLERS AND INJECTION PART IN FIXED PANEL RELEASING KIT PLACEMENT ARE ADJUSTED.

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SLIDING PANEL INSTALLATION