



INSTRUCTIONS MANUAL FOR SERIES TK50

updated DECEMBER 2011

Rev. 00, Date 01/12/2011, Issued by: Grassi Studio GIEFFEGI,
Approved by: Technical Director - M. Monterastelli

GENERAL CONTENTS

TECHNICAL AND COMMERCIAL INFORMATION

- PROPERTIES OF THE ALUMINIUM
- CLEANING AND MAINTENANCE
- GENERAL NOTES
- GENERAL CHARACTERISTICS

ACCESSORIES AND SEALS

- SUMMARY WITH DESCRIPTION
AND TECHNICAL SPECIFICATIONS
FOR SEALS AND ACCESSORIES

SECTION BARS

- SUMMARY AND TECHNICAL
SPECIFICATIONS FOR THE
SECTION BARS
- DESCRIPTION, TECHNICAL
SPECIFICATIONS OF THE
SECTION BARS IN 1:1 SCALE

CUTTING DIAGRAMS

- CUTTING DIAGRAMS
AND CORRESPONDING TABLES FOR
USE OF ACCESSORIES AND SEALS
FOR THE MAIN TYPES

SECTIONS

- MAIN SECTIONS IN 1:2 SCALE
WITH CORRESPONDING
ACCESSORIES AND OVERALL
MEASUREMENTS

GLASS

- TABLE FOR USING
THE ACCESSORIES AND SEALS
FOR THE GLASS

MACHINING OPERATIONS FOR SECTION BAR

- VERSION WITHOUT ANTIPANIC
- VERSION WITH ANTIPANIC

INSTALLATION TO MASONRY

- SECTIONS IN 1:1 SCALE
OF THE MAIN INSTALLATIONS
TO THE MASONRY WITH
CORRESPONDING ACCESSORIES

EQUIPMENT

- LIST AND DESCRIPTION
OF EQUIPMENT

UPDATES

- NOTE FOR UPDATES

CONTENTS

General contents "general contents" sheet TAB.1
 Detailed contents "detailed contents" sheet TAB.2

TECHNICAL AND COMMERCIAL INFORMATION

Properties of the aluminium - cleaning and maintenance "information" sheet TAB.1
 General notes "information" sheet TAB. 2
 General characteristics "information" sheet TAB. 2

ACCESSORIES AND SEALS

Summary with description and technical specifications
 for seals and accessories "accessories and seals technical specifications" sheet from TAB.1a to TAB.3

SECTION BARS

Summary and technical specifications for the section bars "section bars technical specifications" sheet TAB.1
 Description, technical specifications and drawings
 of the section bars in 1:1 scale..... "section bars 1:1 scale" from TAB.2 to TAB.10

CUTTING DIAGRAMS

List of cutting diagrams "cutting diagrams list" sheet TAB.1
 Cutting diagrams and corresponding tables for use of accessories and seals
 for the main types..... "cutting diagrams" sheets from TAB.2 to TAB.21/A

SECTIONS

Main sections in 1:2 scale with corresponding accessories
 and overall measurements..... "sections 1:2 scale" sheets from TAB.1 to TAB.21

GLASS

Table for using the accessories and seals for the glass "glass" sheet TAB.1

SECTION BAR MACHINING OPERATIONS

Machining operations list for version without break-through antipanic ref. draw. nr. 20.. "machining operations list" sheet TAB.1
 Legend "legend" sheet TAB.1/A
 Version without break-through antipanic ref. draw. nr. 20 "machining operations 1:2 scale" sheets from TAB.2 to TAB.54
 Machining operations list for version with break-through antipanic ref. draw. nr. 23..... "machining operations list" sheet TAB.55
 Version with break-through antipanic ref. draw. nr. 23..... "machining operations 1:2 scale" sheets from TAB.56 to TAB.110

INSTALLATION TO MASONRY

Sections in 1:1 scale of the main installations to the masonry
 with corresponding accessories "installations to masonry" sheets from TAB.1 to TAB.8

EQUIPMENT

List and description of equipment..... "equipment list" sheet TAB.1

UPDATES

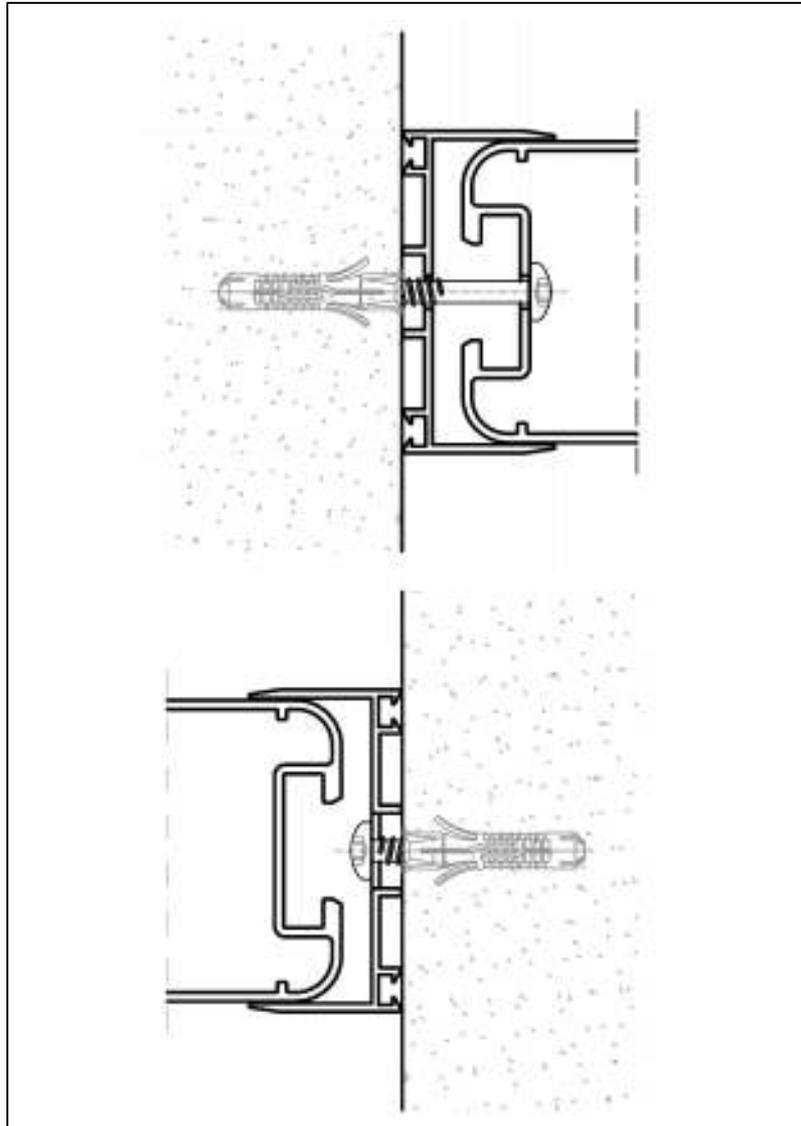
EQUIPMENT



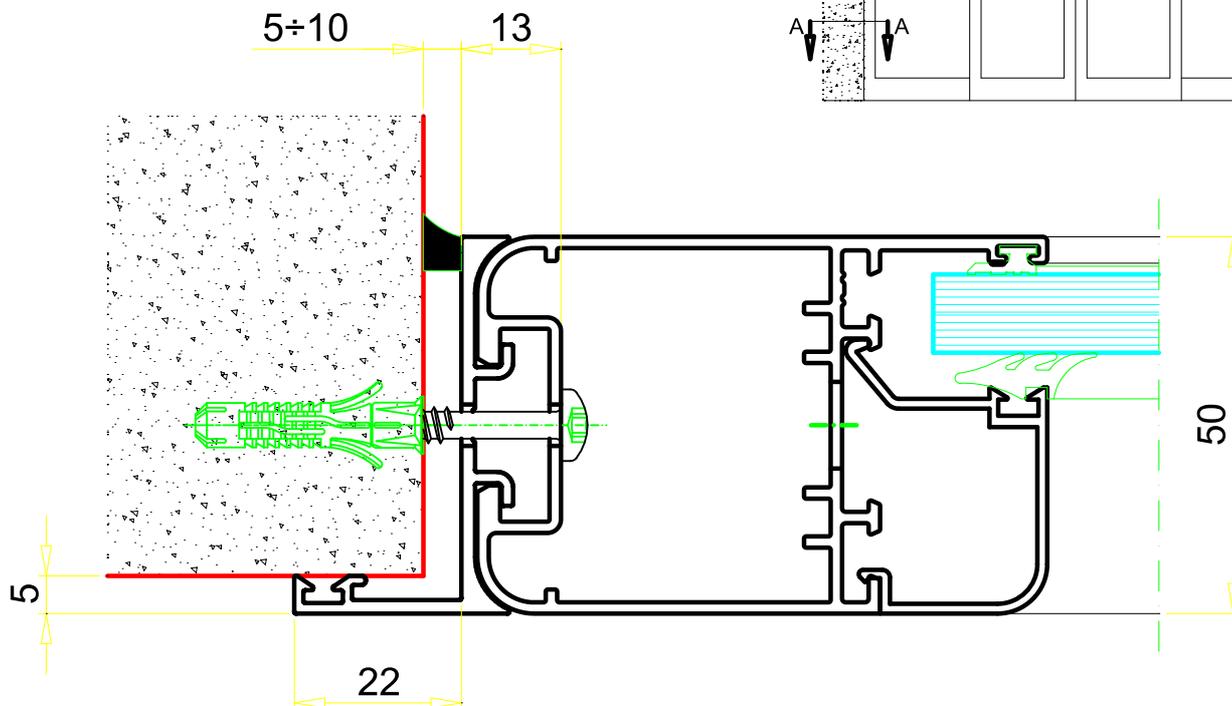
- LIST AND DESCRIPTION
OF EQUIPMENT

CODE	EQUIPMENT	PROFILE CODE FOR MACHINING OPERATIONS	MACHINING OPERATIONS MANUAL TAB.
103210	Facing machine with milling assembly for 90° assembly	805141	17-18-36-37 71-72-85-86
		805143	33
		805245	38-96
		805147	66-67-81-82

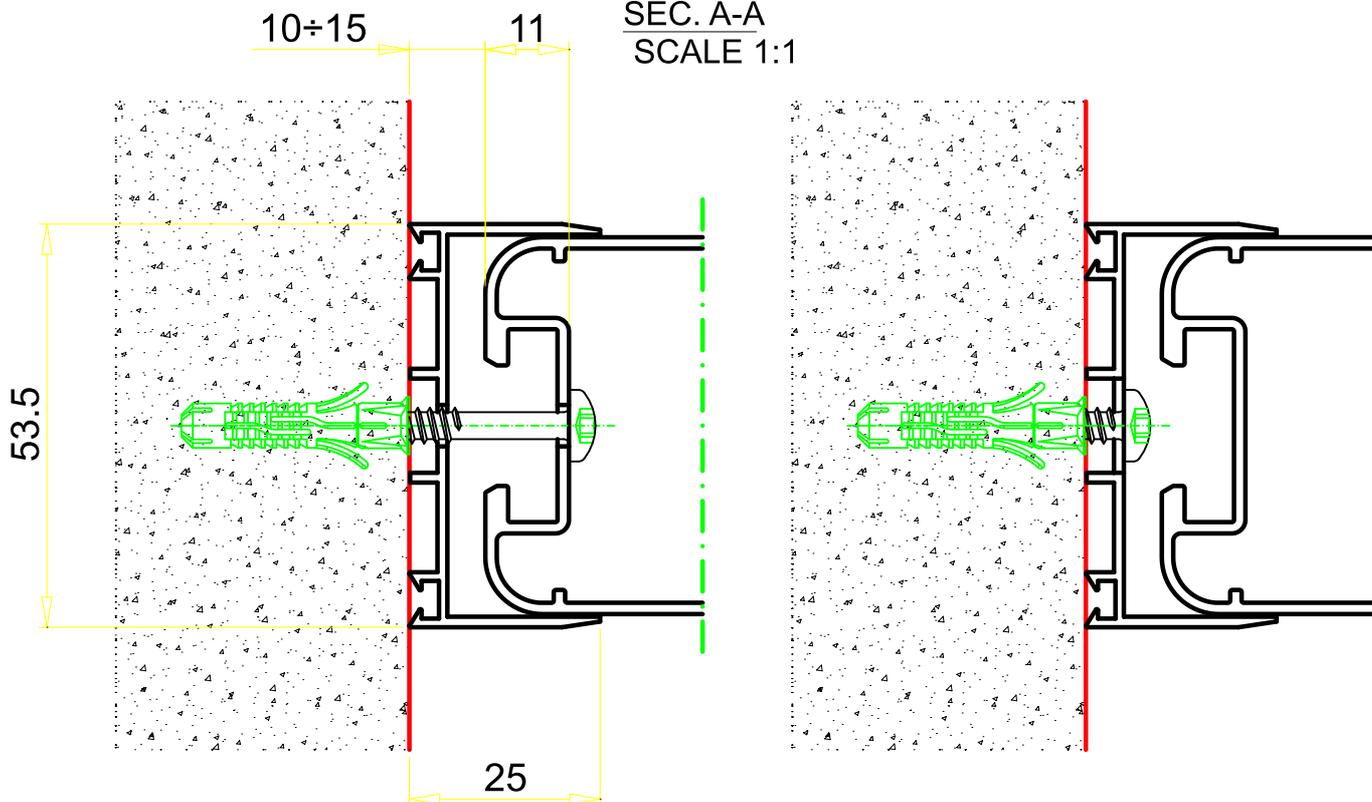
INSTALLATION ON MASONRY



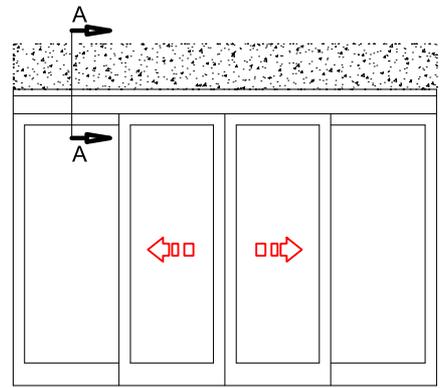
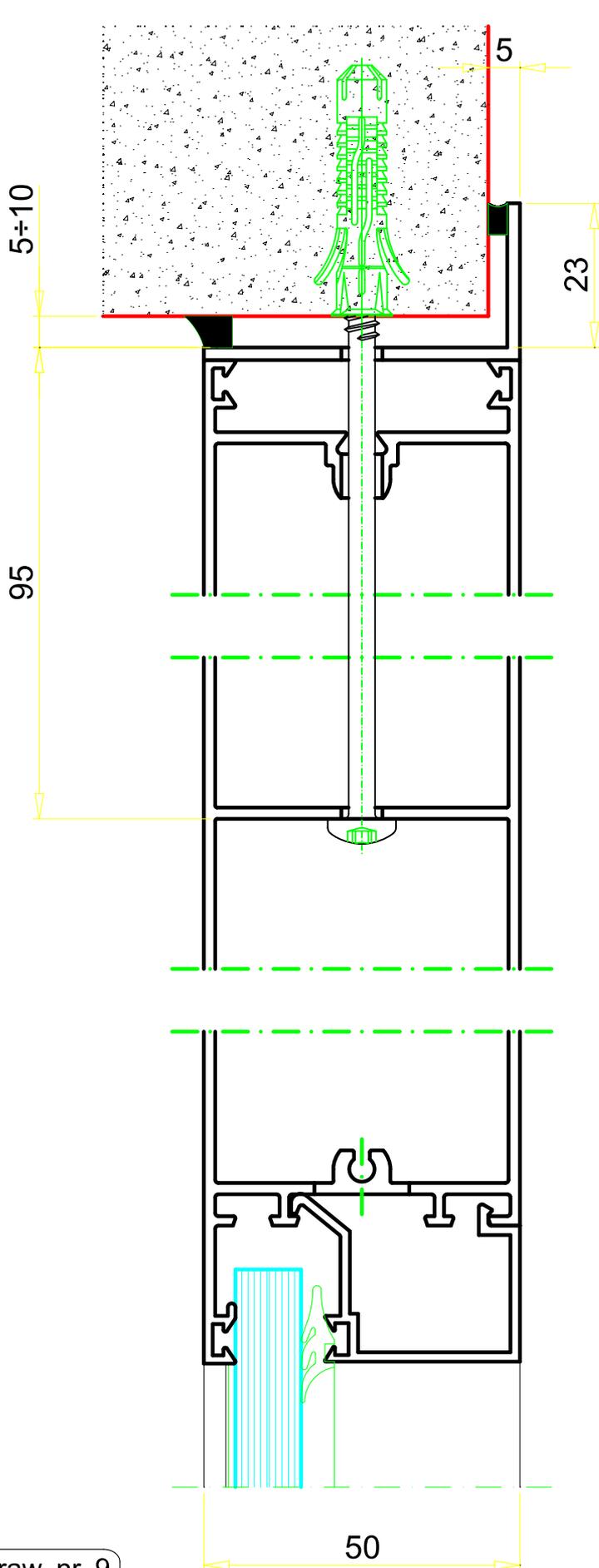
- SECTIONS IN 1:1 SCALE OF MAIN
INSTALLATIONS ON MASONRY
WITH CORRESPONDING ACCESSORIES



SEC. A-A
SCALE 1:1

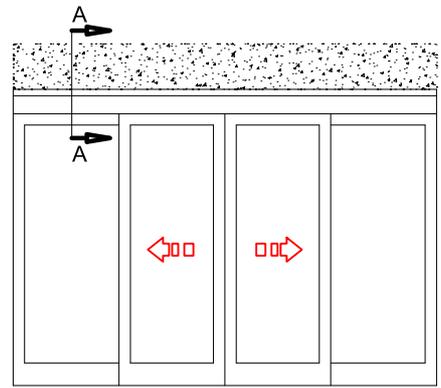
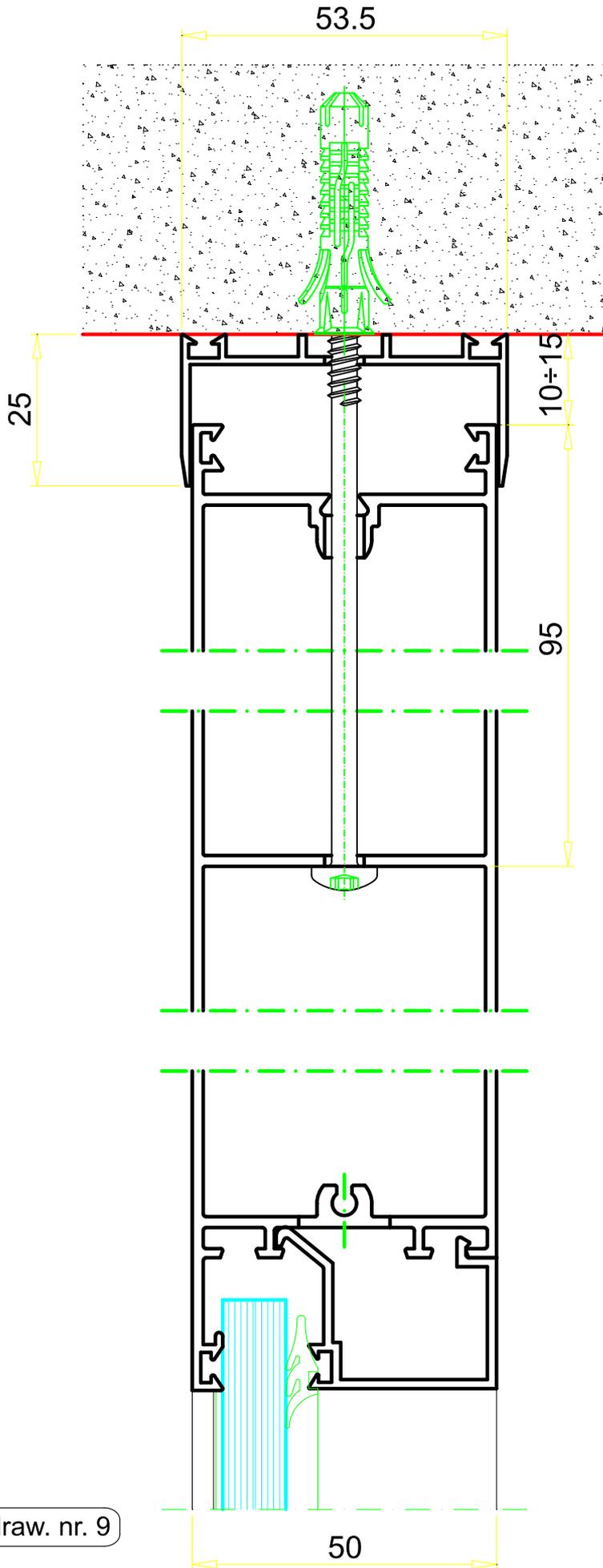


ref. draw. nr. 9



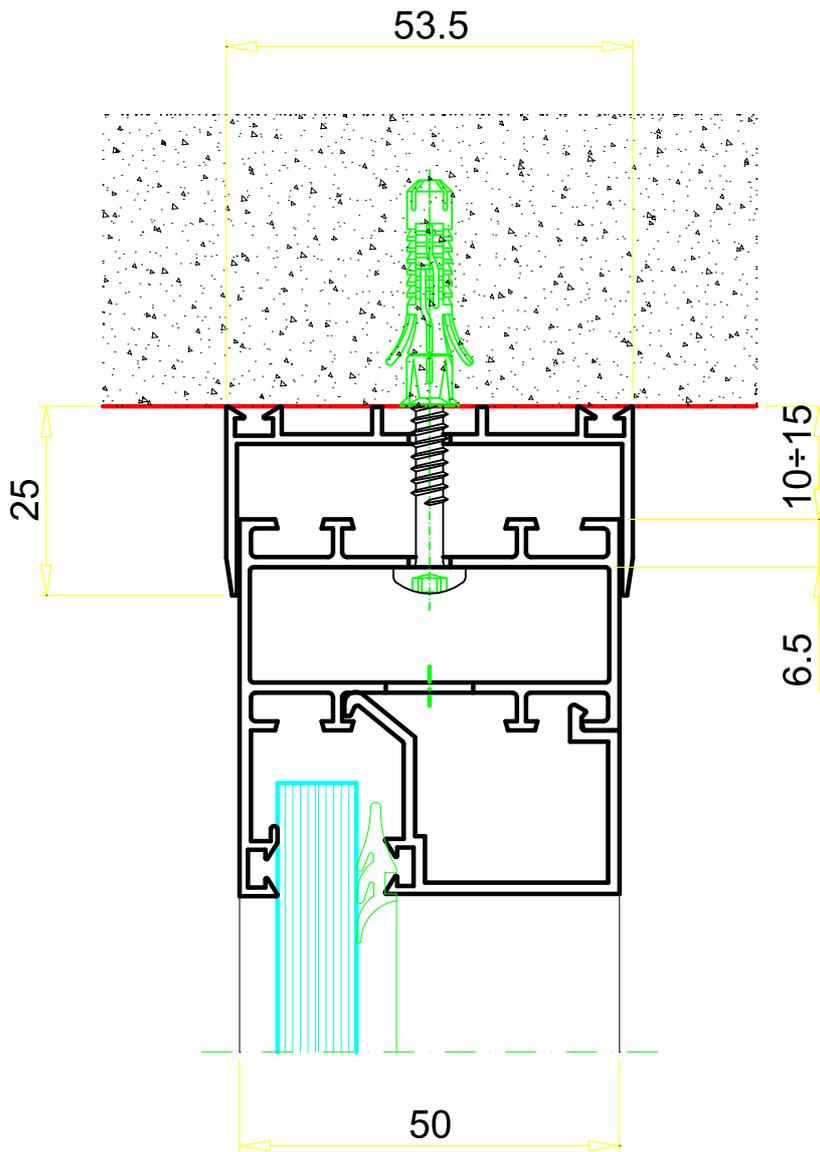
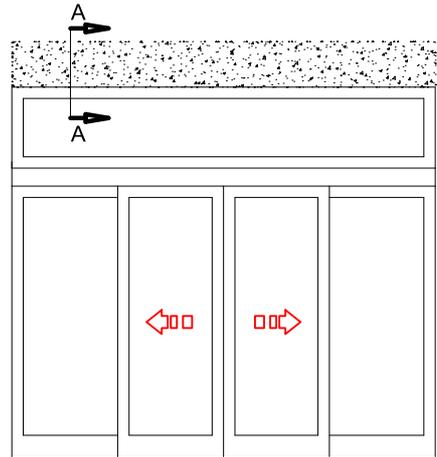
SEC. A-A
SCALE 1:1

ref. draw. nr. 9



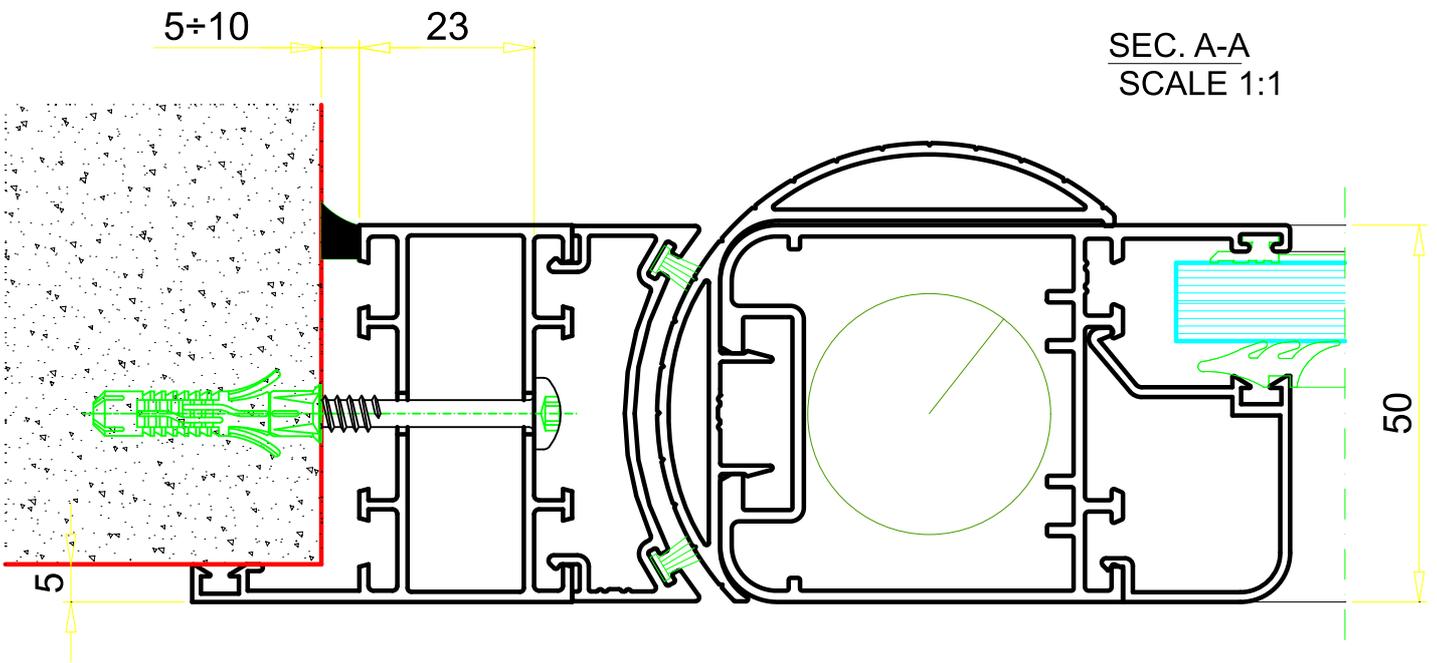
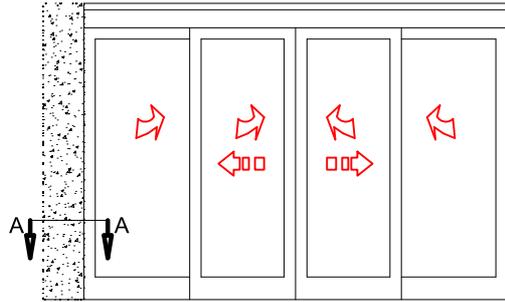
SEC. A-A
SCALE 1:1

ref. draw. nr. 9

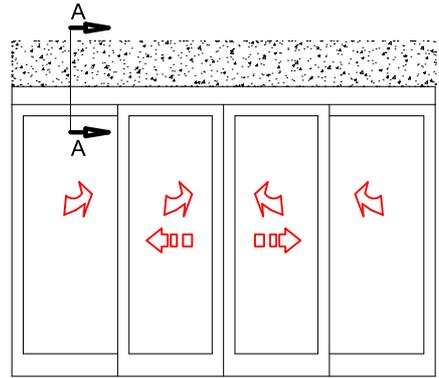
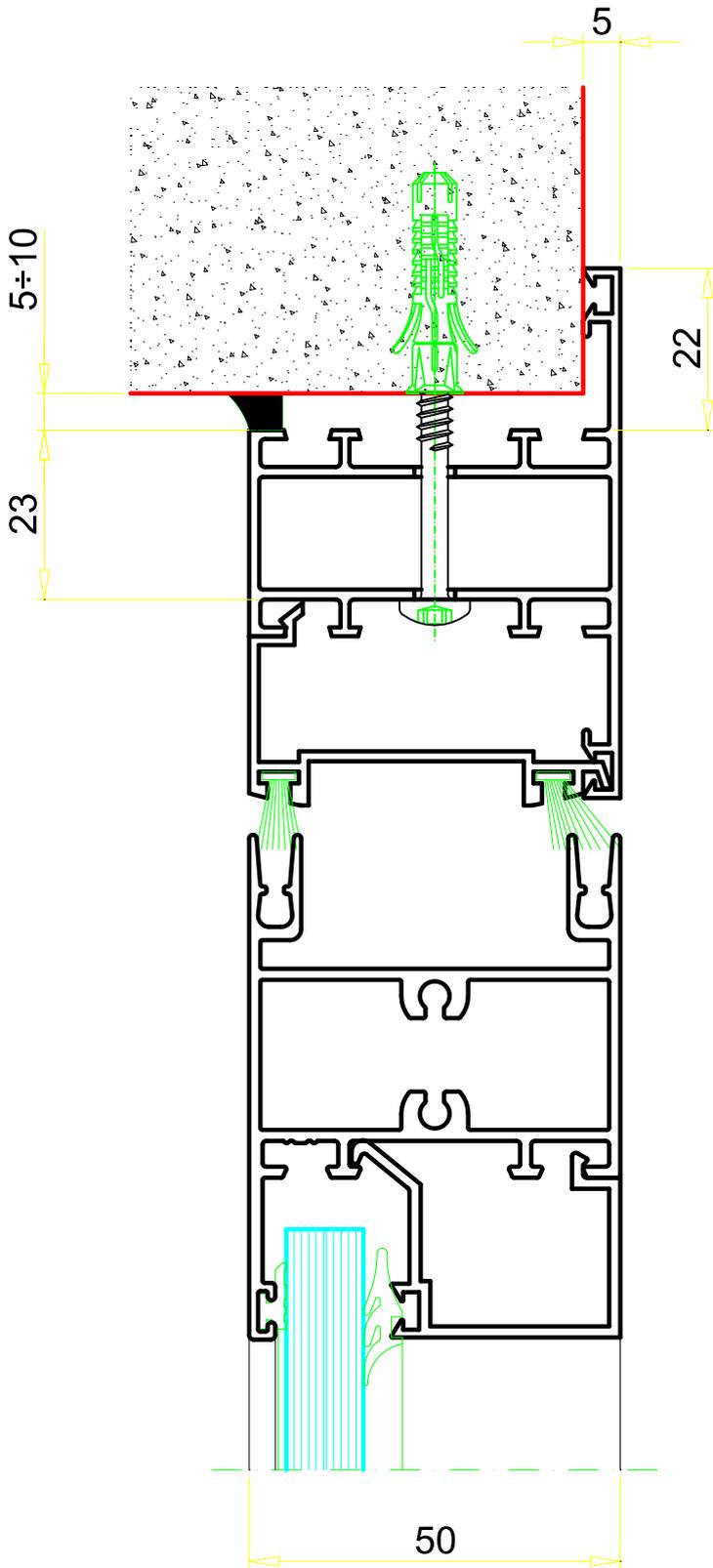


SEC. A-A
SCALE 1:1

ref. draw. nr. 11

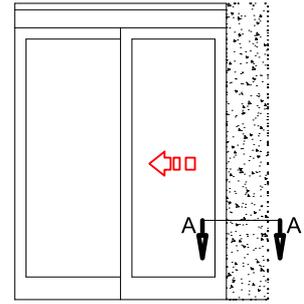


ref. draw. nr. 15

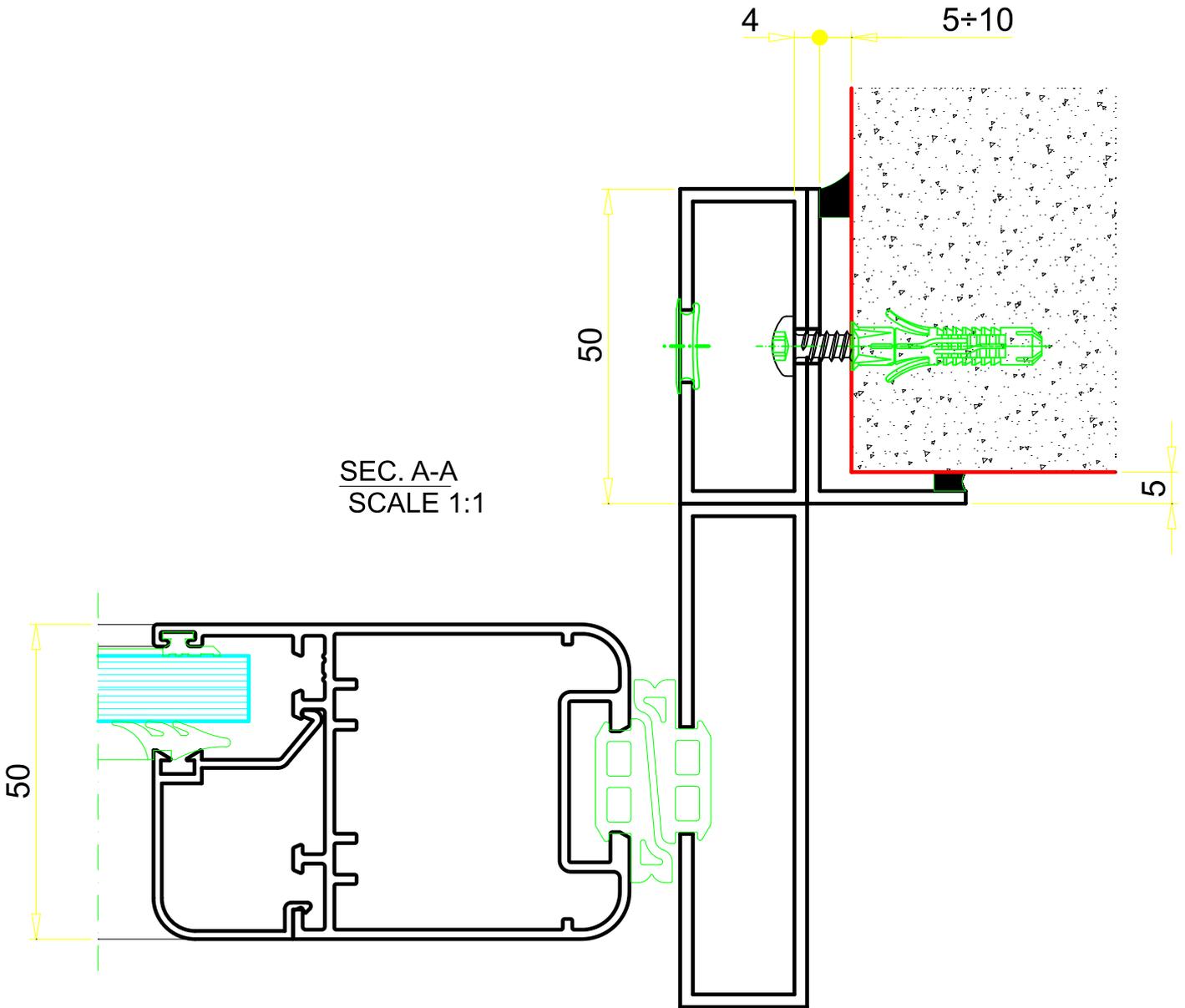


SEC. A-A
SCALE 1:1

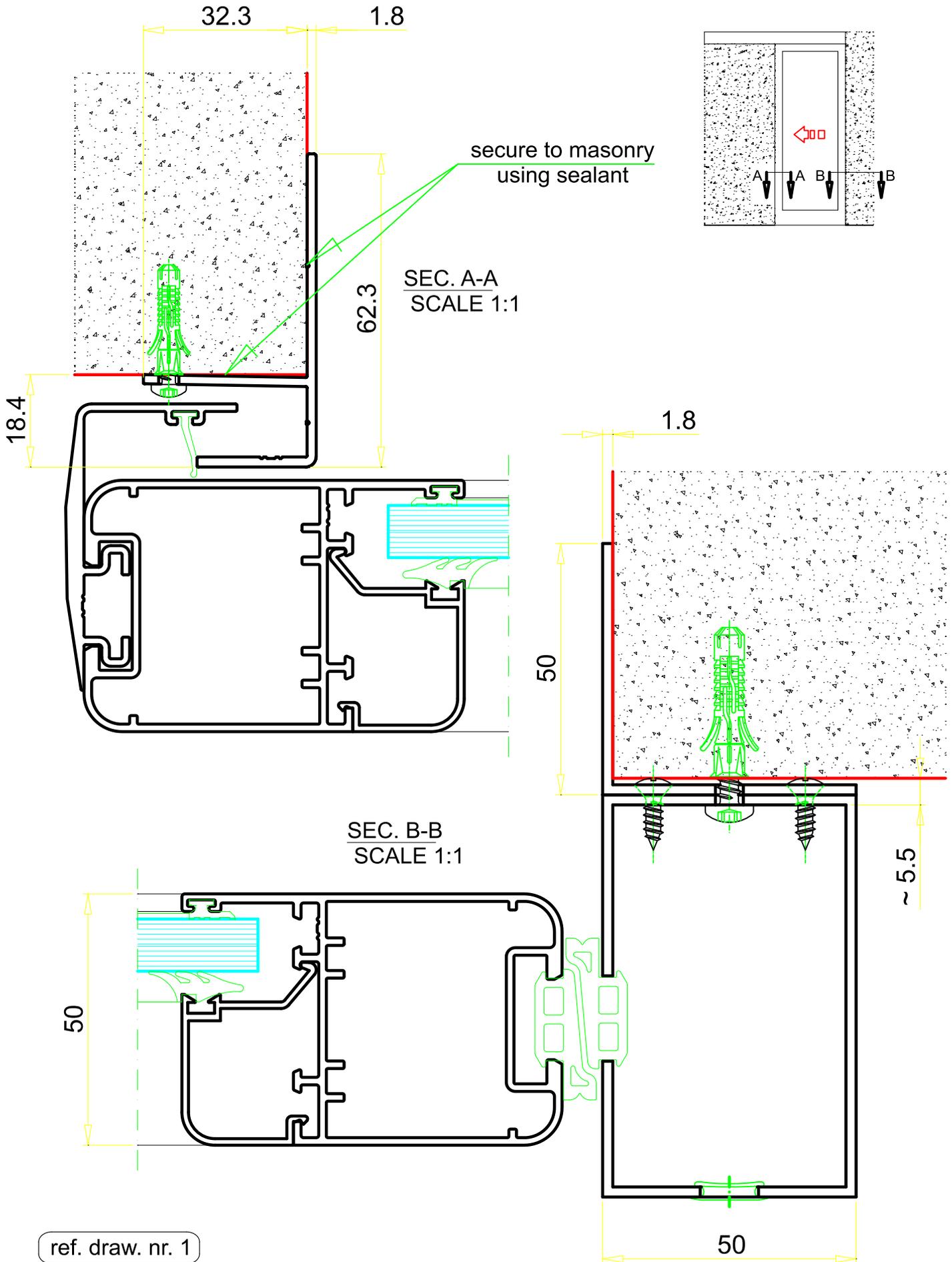
ref. draw. nr. 16



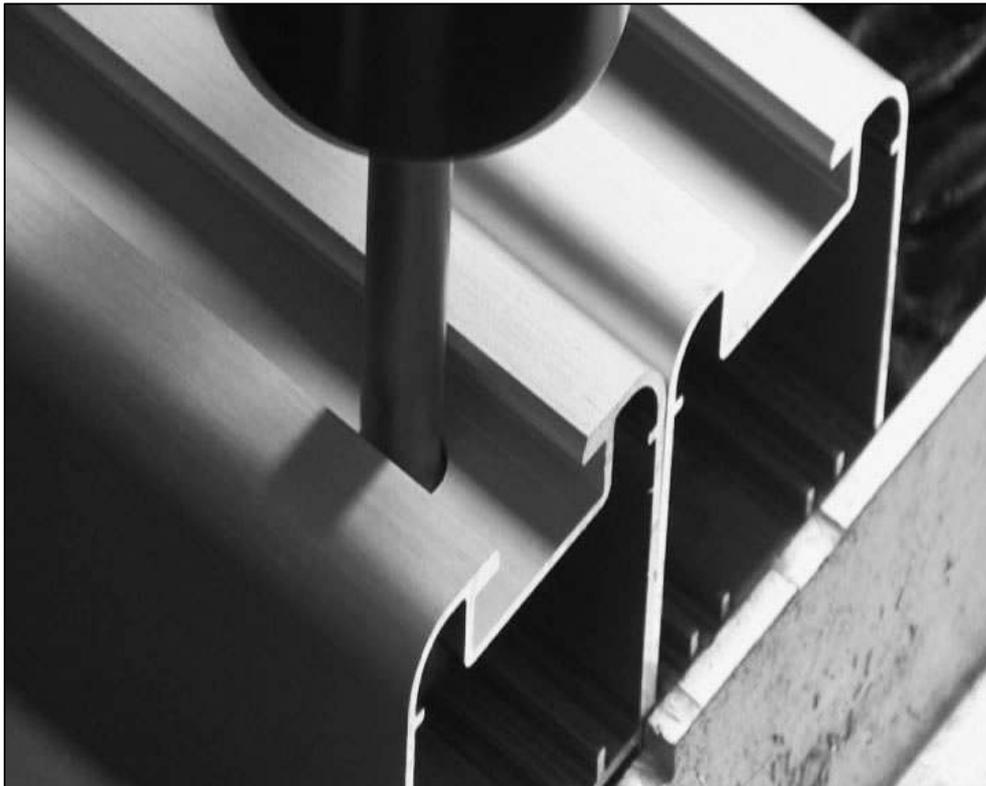
SEC. A-A
SCALE 1:1



ref. draw. nr. 18



MACHINING OPERATIONS FOR SECTION BARS

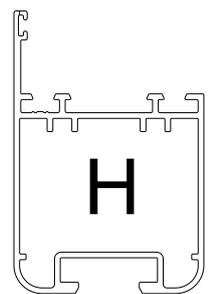
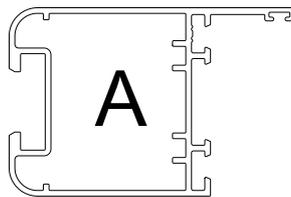
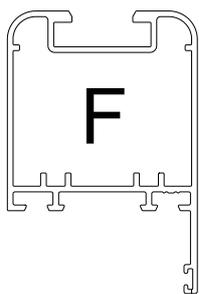
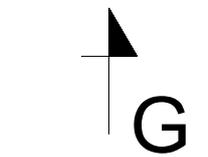
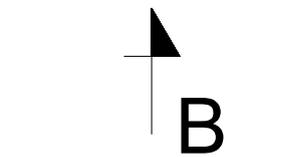
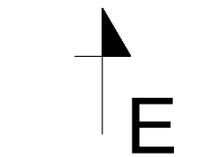
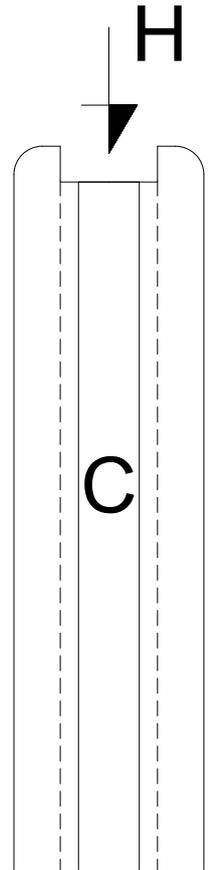
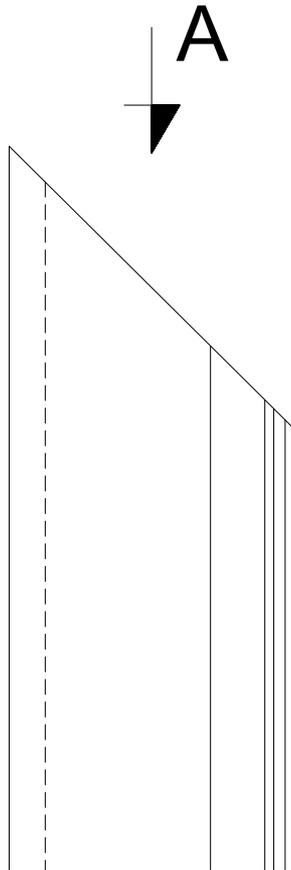
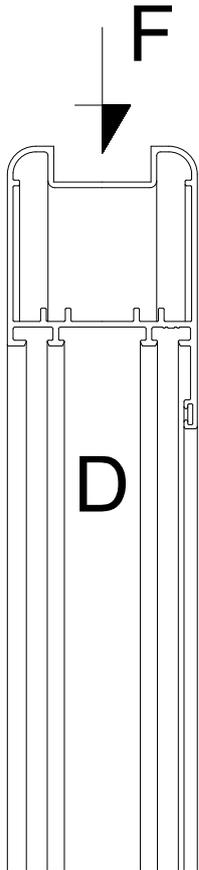
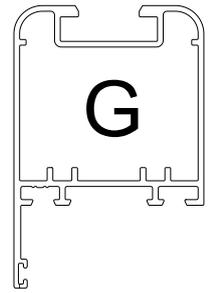
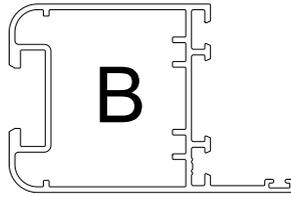
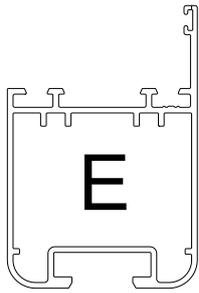


- VERSION WITHOUT BREAK-THROUGH ANTIPANIC
REF. DRAW. Nr. 20

	CODE	REFERENCE	TAB.
MOBILE LEAF	805143	Mobile leaf LH upright	2-3-4-5
	805143	Mobile leaf RH upright	6-7-8-9
	805143	Mobile leaf RH upright lock	10-11
	805143	Mobile leaf upper cross beam	13-14-15
	805141	Mobile leaf lower base	17-18 19-20
	805145	Labyrinth profile for mobile leaf	21
FIXED LEAF	805143	LH upright frame/fixed leaf	22-23 24-25
	805143	Fixed leaf RH upright	32-33 34-35
	805141	Fixed leaf lower base	36-37
	805245	Upper band frame/fixed leaf	38-39-40
	805145	Labyrinth profile for fixed leaf	51
FRAME	805226	Frame RH upright	26-27-28
	805228	Contact tubing for frame RH upright	29
	105845	Reinforcement tubing	41
	805225	Closing tubing on passage width	42
	805146	Contact profile for LH upright for frame/fixed leaf	52-53
	805231	Contact point angled element for RH upright for frame	54
OVER GAP LEAF	805248	Lower cross beam for over gap leaf	44-45-46
	805248	Upper cross beam for over gap leaf	47-48-49
	805248	LH/RH upright for over gap leaf	50

	CODE	REFERENCE	TAB.
EXPLODED VIEWS - ASSEMBLY	805143-805143	Upper cross beam mobile leaf-Mobile leaf upright	12
	805141-805143	Lower base mobile leaf Mobile leaf upright	16
	805143-805245	LH upright for frame/fixed leaf Upper band for frame/fixed leaf	30
	805143-805141	LH upright for frame/fixed leaf Lower base for fixed leaf	30
	805143-805245	RH upright for fixed leaf Upper band for frame/fixed leaf	31
	805143-805141	RH upright for fixed leaf Lower base for fixed leaf	31
	805248-805248	Over gap leaf upright-Upper and lower over gap leaf	43

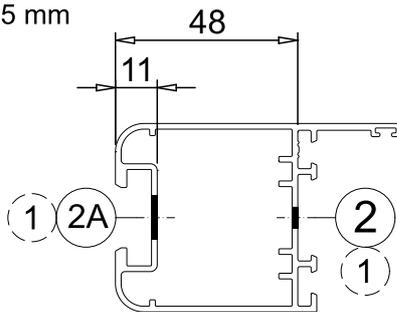
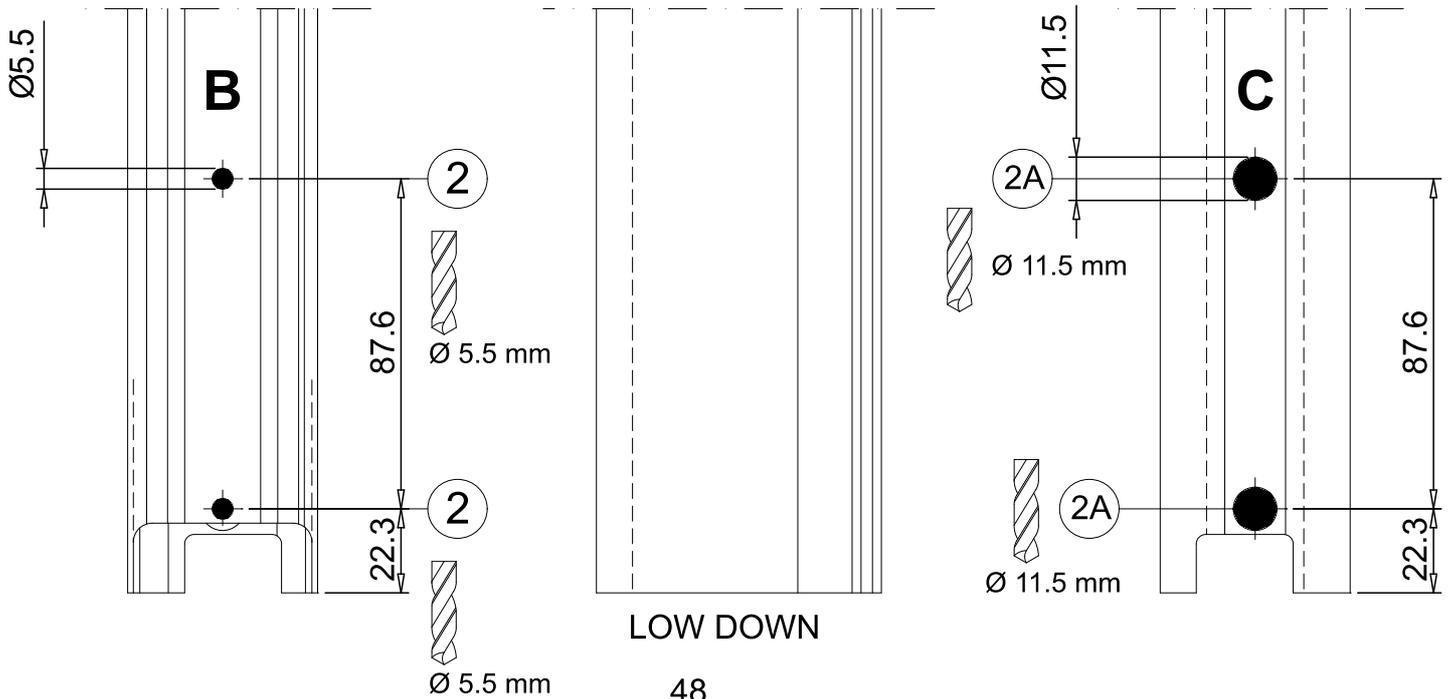
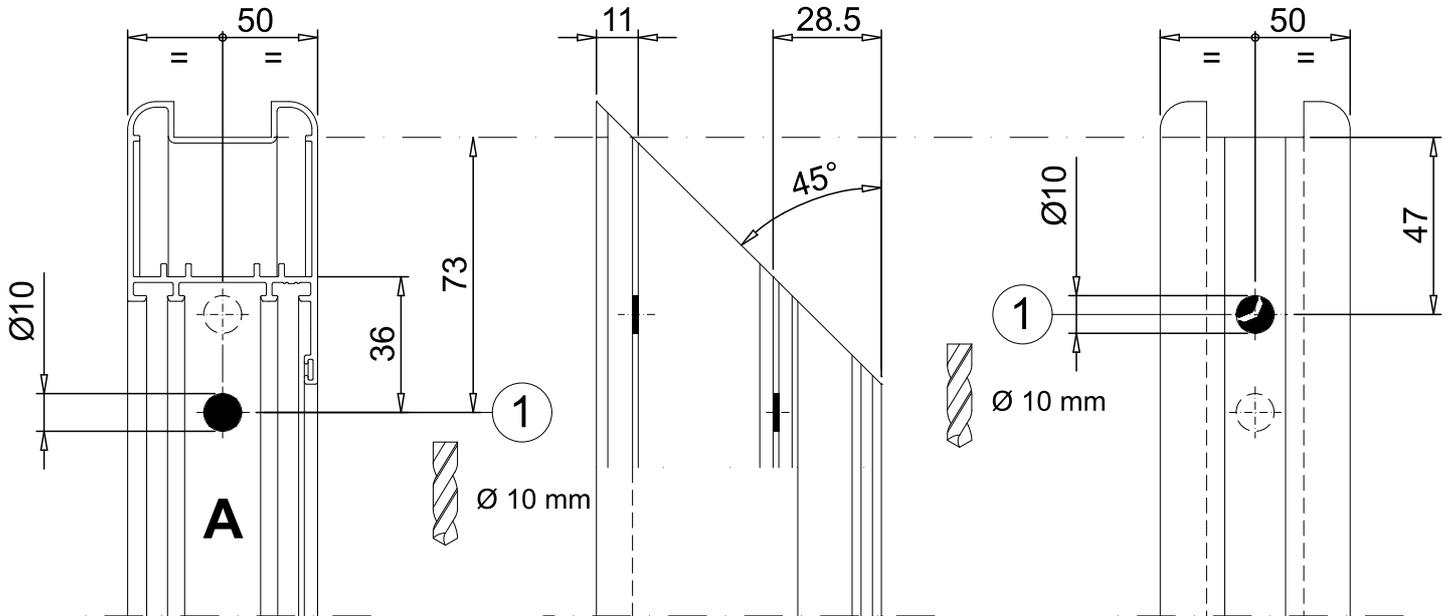
DRAWING VIEW LEGEND



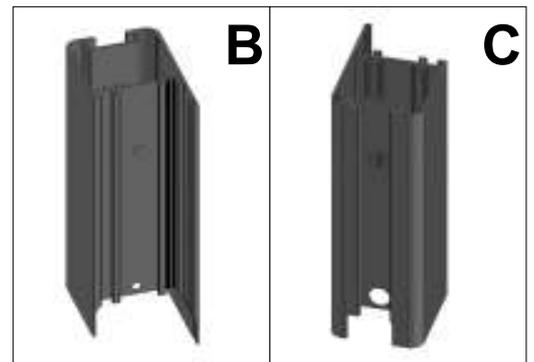
LH UPRIGHT FOR MOBILE LEAF (805143):

- 1 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 103204 (MOBILE LEAF SQUARE)
- 2 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805141 (MOBILE LEAF LOWER BASE)
- 2A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 2)

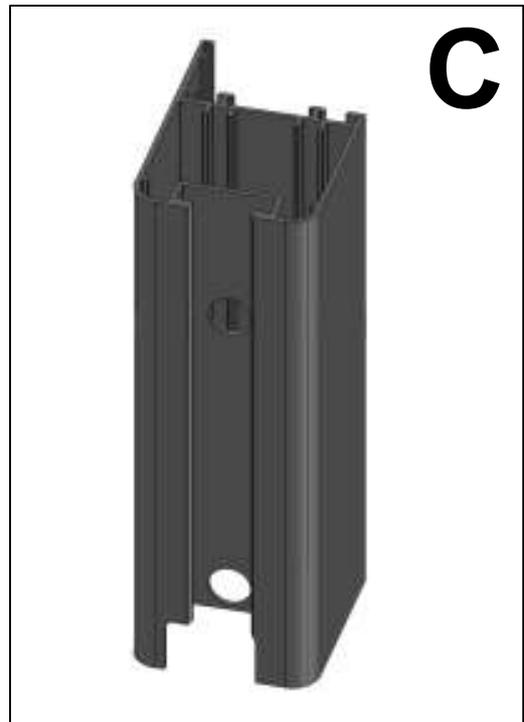
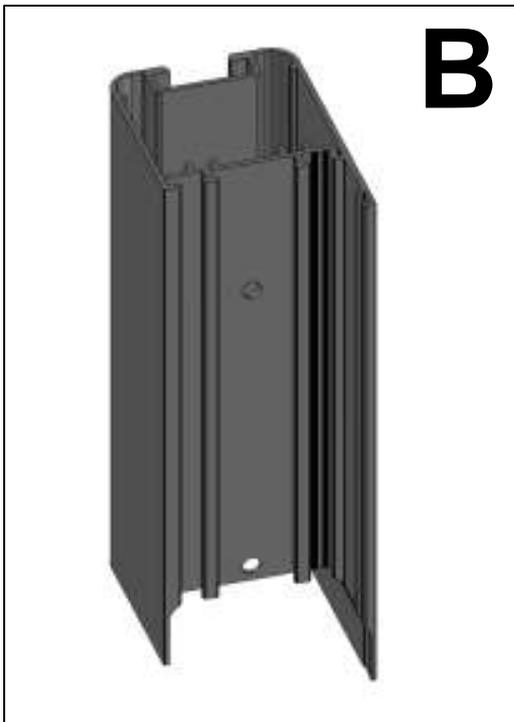
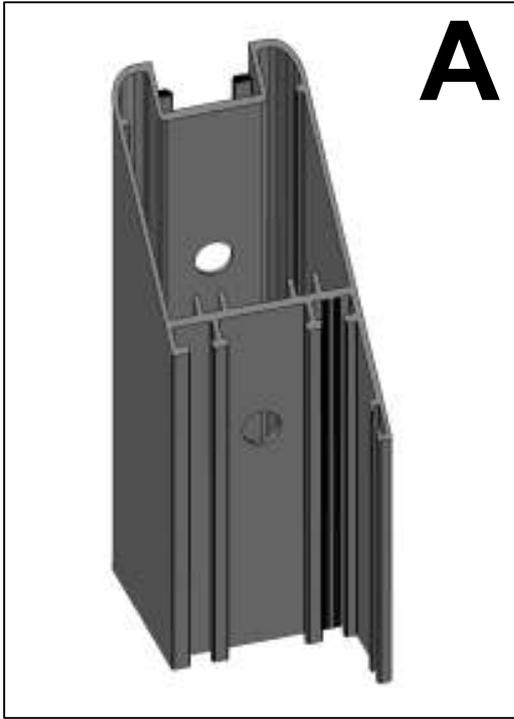
VIEW FROM AUTOMATED SYSTEM SIDE



805143

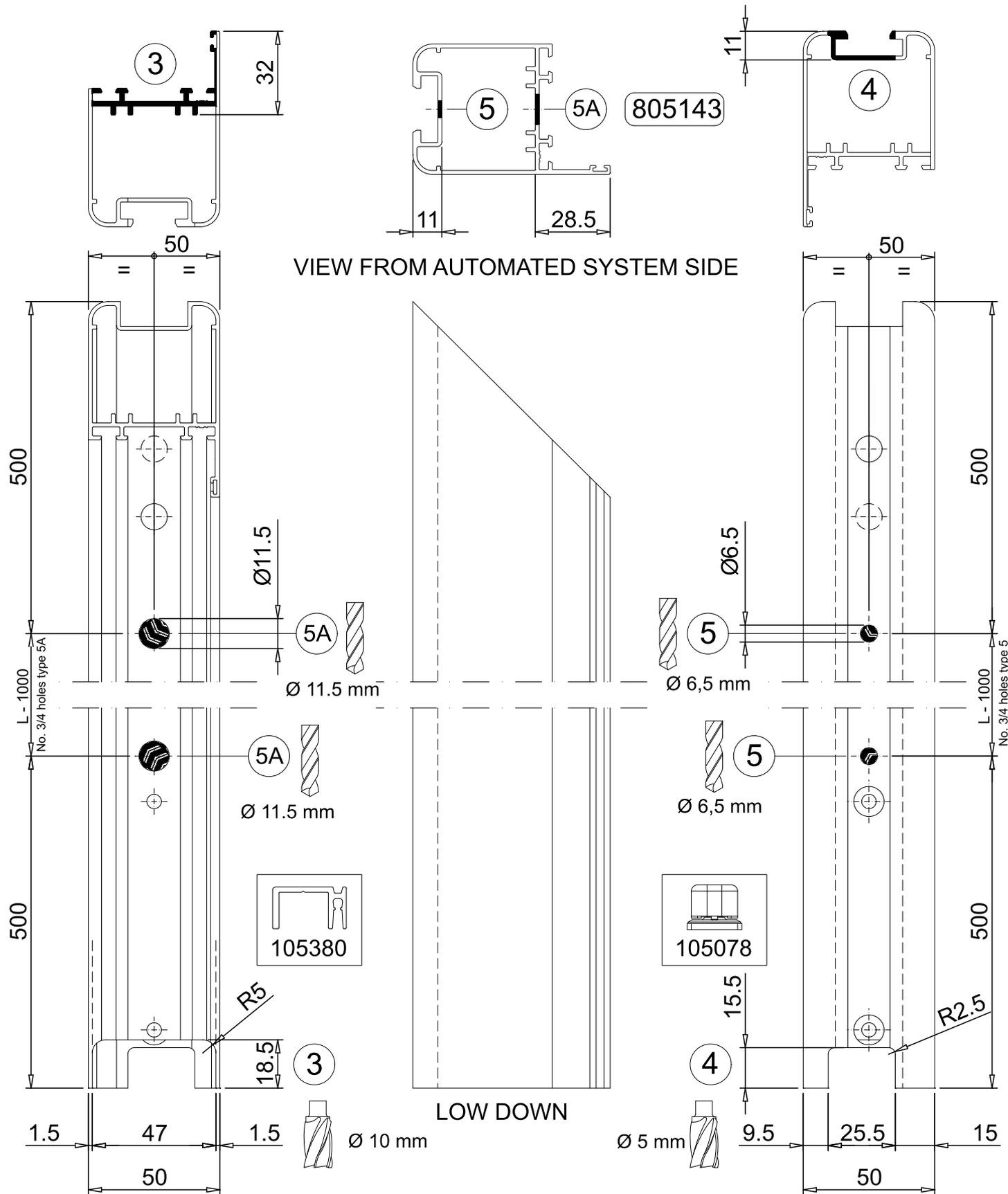


LH UPRIGHT FOR MOBILE LEAF (805143):
AXONOMETRIES



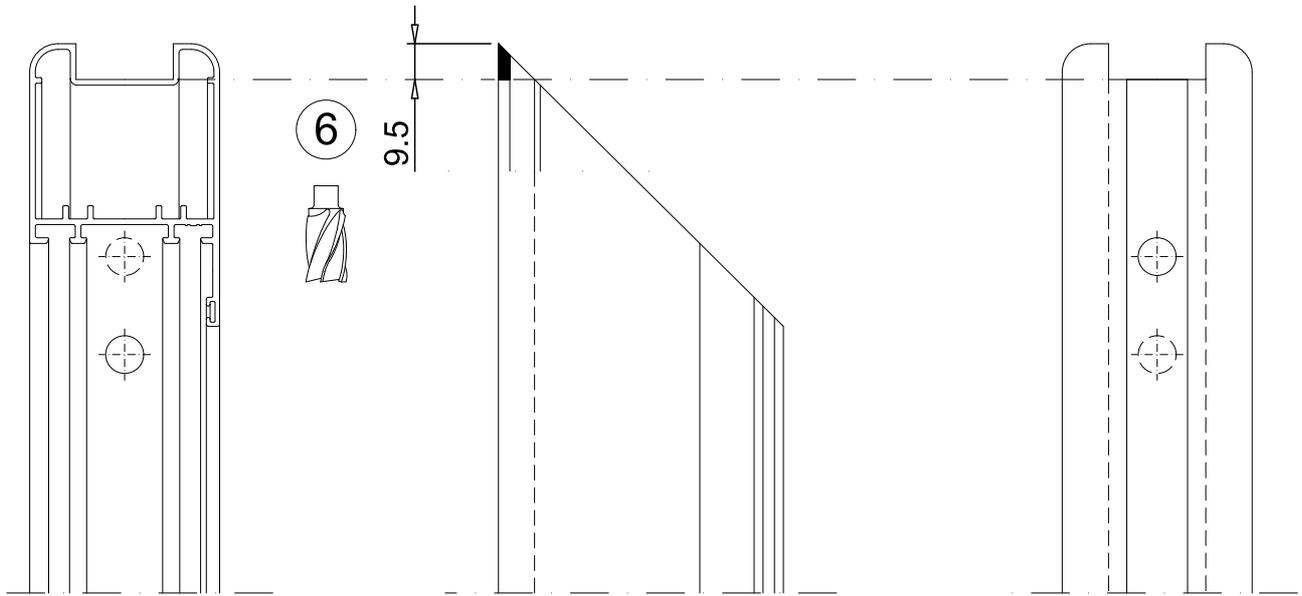
LH UPRIGHT for MOBILE LEAF (805143):

- 3 : MILLING FOR INSTALLATION OF SECTION BAR 105380 (LOWER GUIDE PROFILE)
- 4 : MILLING FOR INSTALLATION OF ACCESSORY 105078 (ARTICULATED SLIDING BLOCK)
- 5 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805145 (LABYRINTH PROFILE)
- 5A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 5)

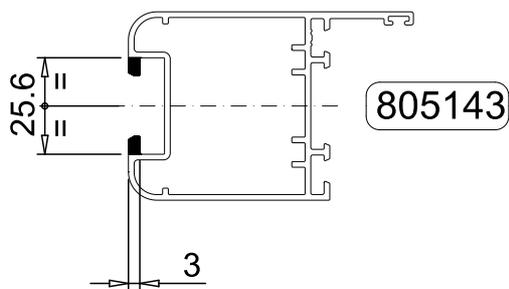


LH UPRIGHT FOR MOBILE LEAF (805143):
6 : MILLING FOR PASSAGE OF STRIKER PLATE OF CARRIAGE SECURING PLATE
AUTOMATED SYSTEM TYPE 930N SF

VIEW FROM AUTOMATED SYSTEM SIDE



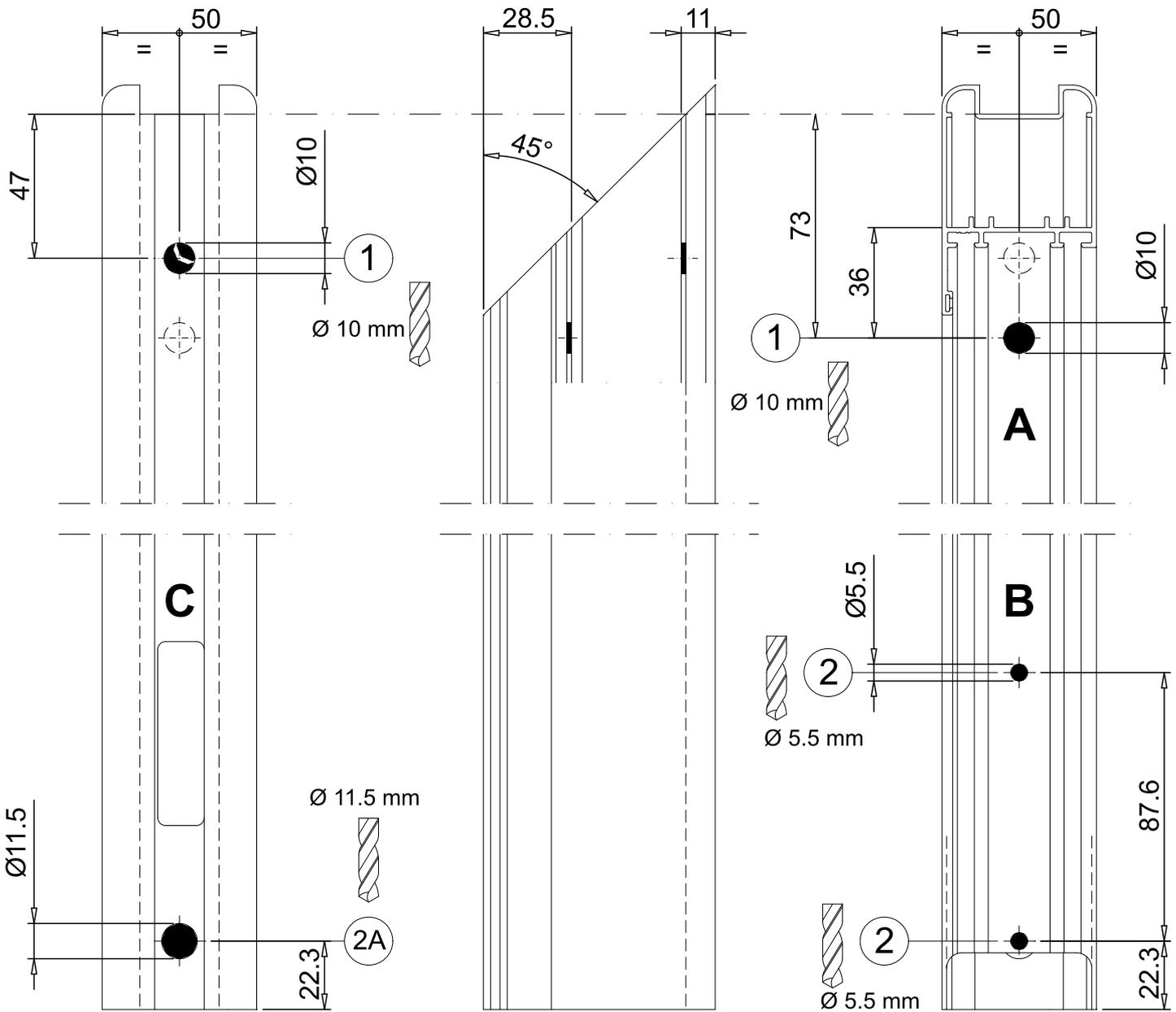
LOW DOWN



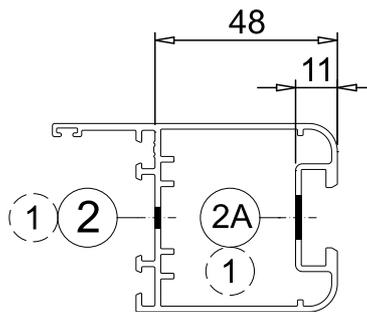
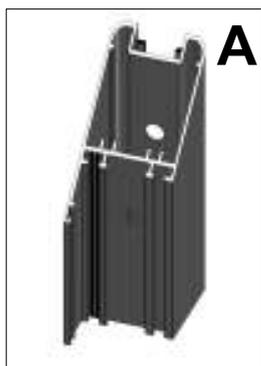
RH UPRIGHT FOR MOBILE LEAF (805143):

- 1 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 103204 (MOBILE LEAF SQUARE)
- 2 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805141 (MOBILE LEAF LOWER BASE)
- 2A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 2)

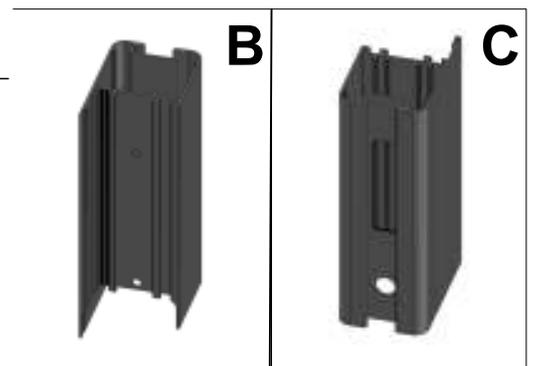
VIEW FROM AUTOMATED SYSTEM SIDE



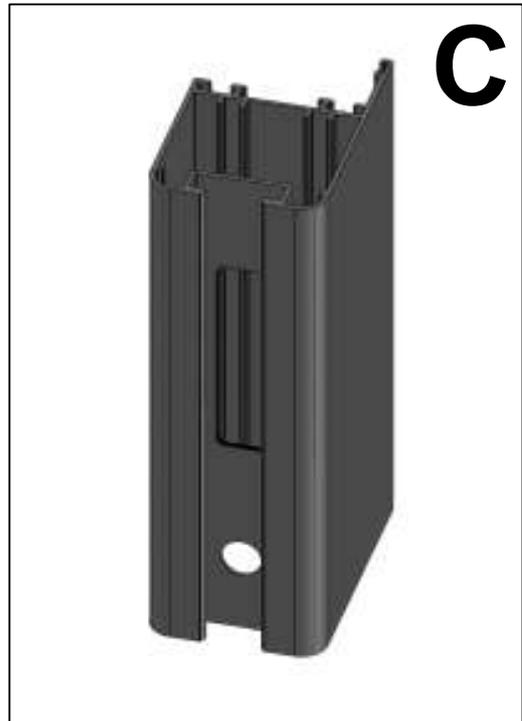
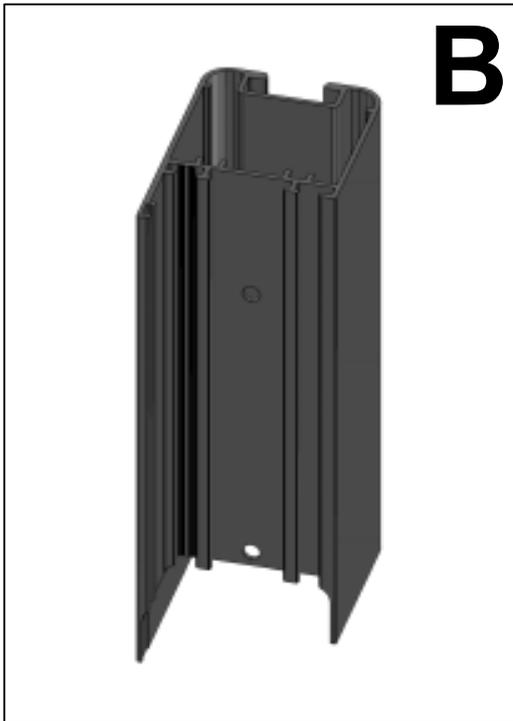
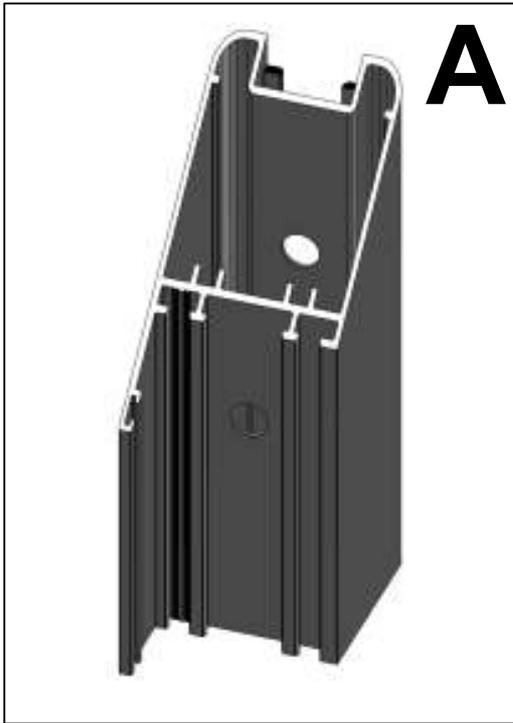
LOW DOWN



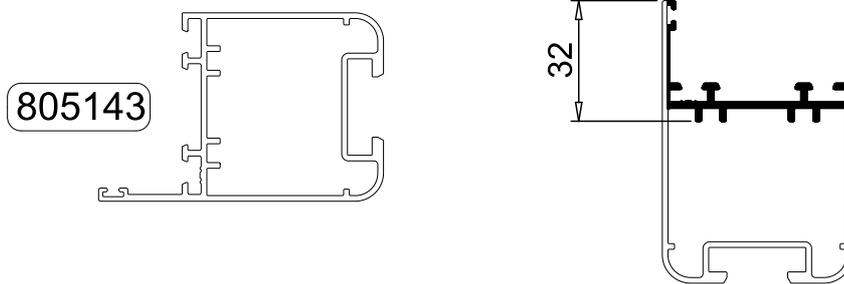
805143



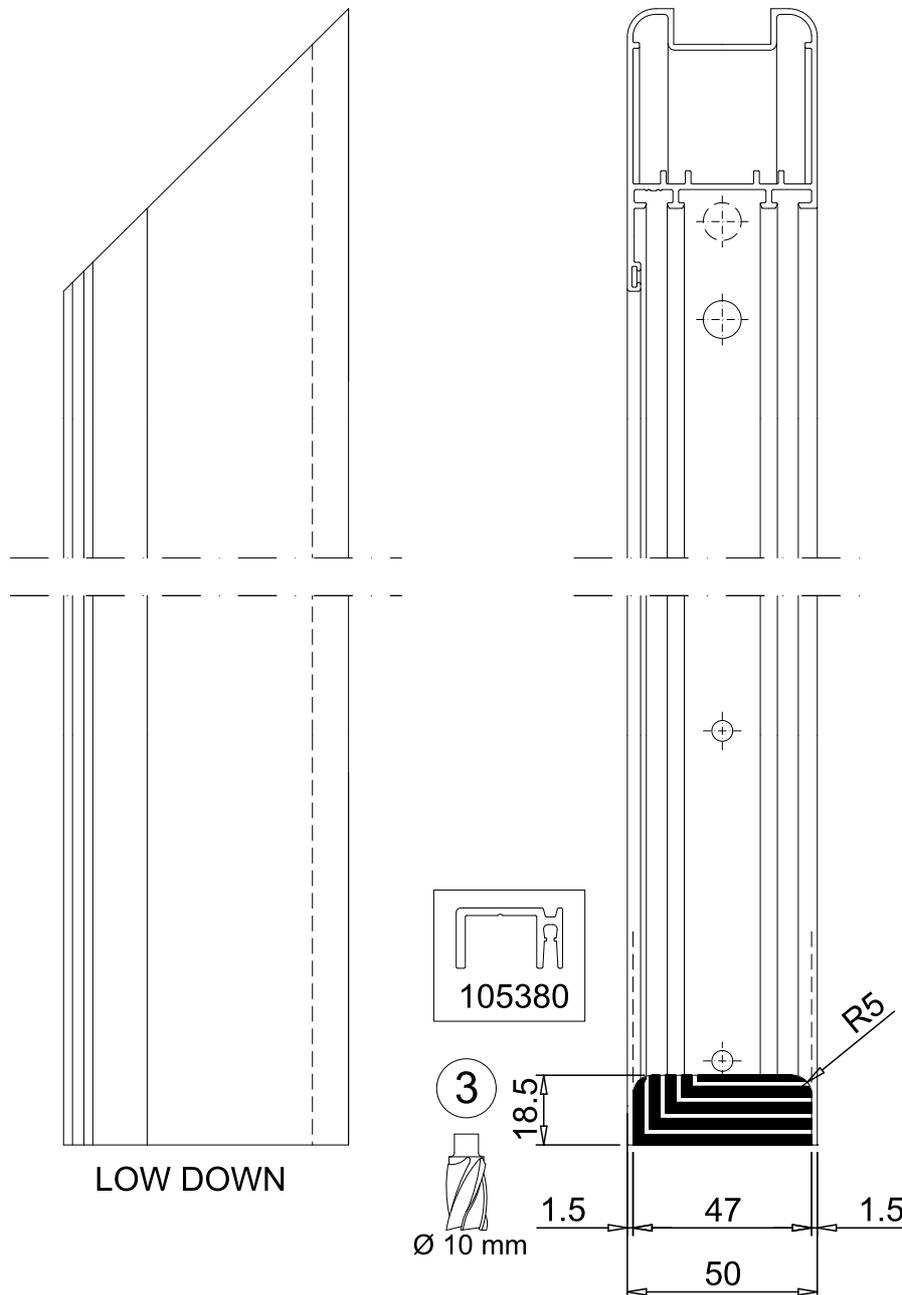
RH UPRIGHT FOR MOBILE LEAF (805143): AXONOMETRIES



RH UPRIGHT FOR MOBILE LEAF (805143):
3 : MILLING FOR INSTALLATION OF SECTION BAR 105380 (LOWER GUIDE PROFILE)

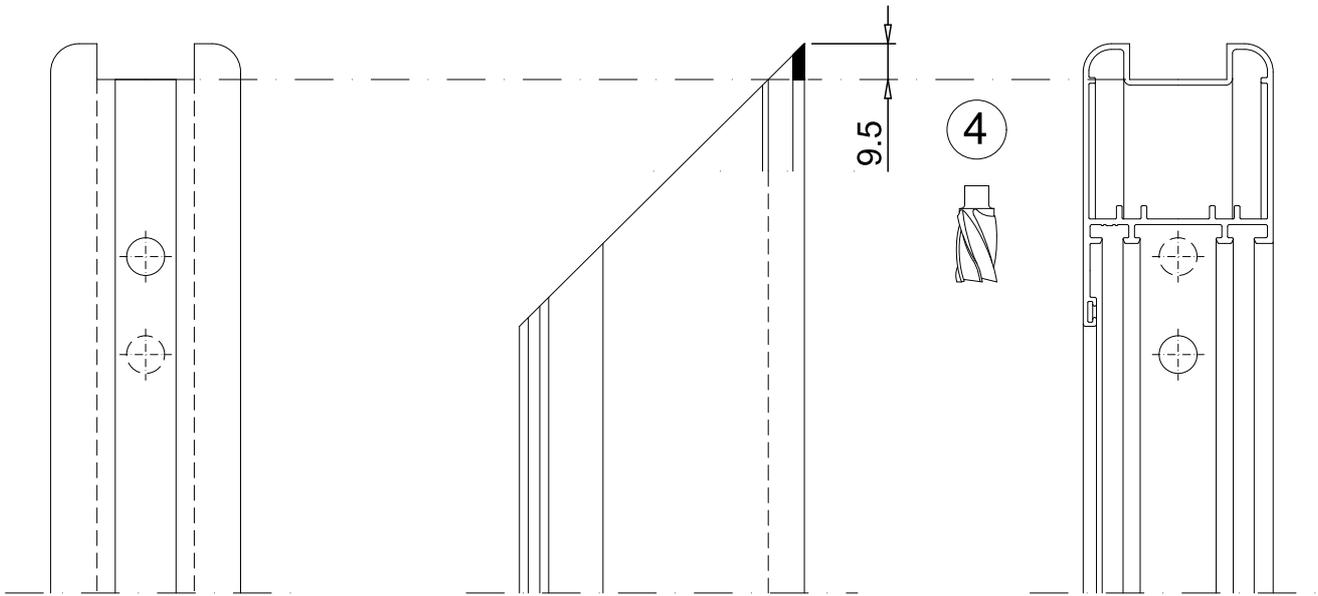


VIEW FROM AUTOMATED SYSTEM SIDE

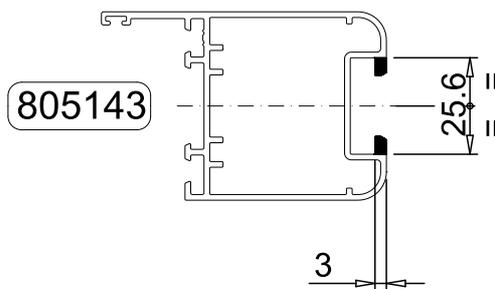
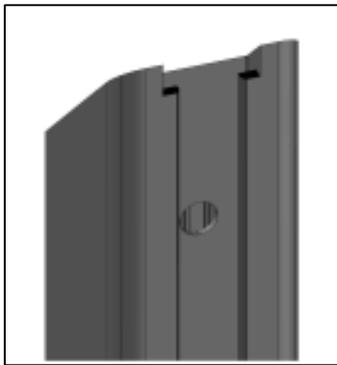


RH UPRIGHT FOR MOBILE LEAF (805143):
4 : MILLING FOR PASSAGE OF STRIKER PLATE OF CARRIAGE SECURING PLATE
AUTOMATED SYSTEM TYPE 930N SF

VIEW FROM AUTOMATED SYSTEM SIDE

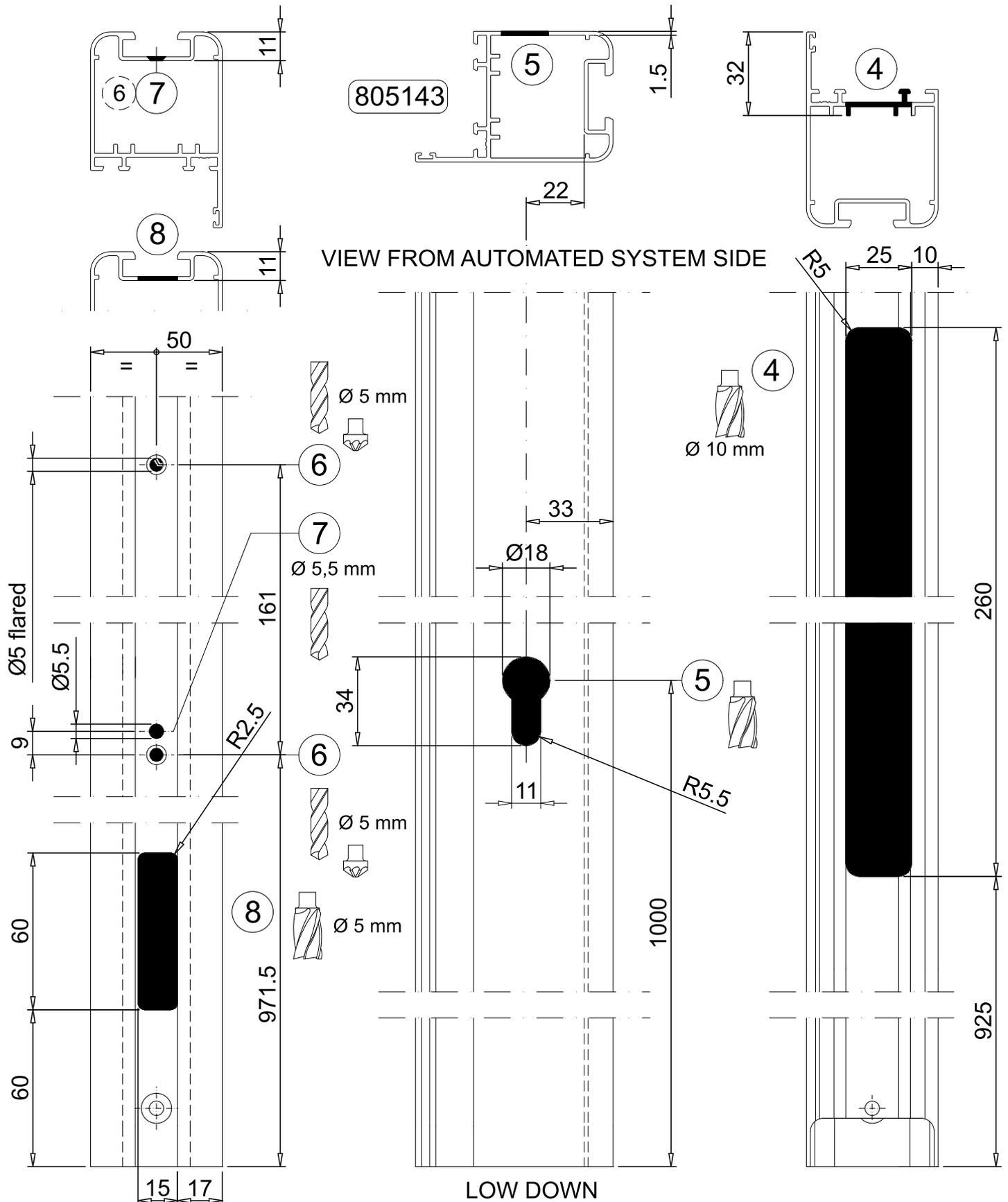


LOW DOWN



RH UPRIGHT FOR MOBILE LEAF (805143):

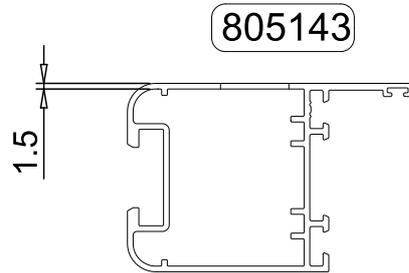
- 4 : MILLING FOR INSTALLATION OF ACCESSORY 103206 (LOCK WITH LOWER ROD)
- 5 : MILLING FOR INSTALLATION OF ACCESSORY 103211/103212 (LOCK CYLINDER)
- 6 : PERFORATION AND TAPPING FOR SECURING SCREW FOR ACCESSORY 103206 (LOCK WITH LOWER ROD)
- 7 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 103211/103212 (LOCK CYLINDER)
- 8 : MILLING FOR INSTALLATION OF ACCESSORY 103206 (LOCK WITH LOWER ROD)



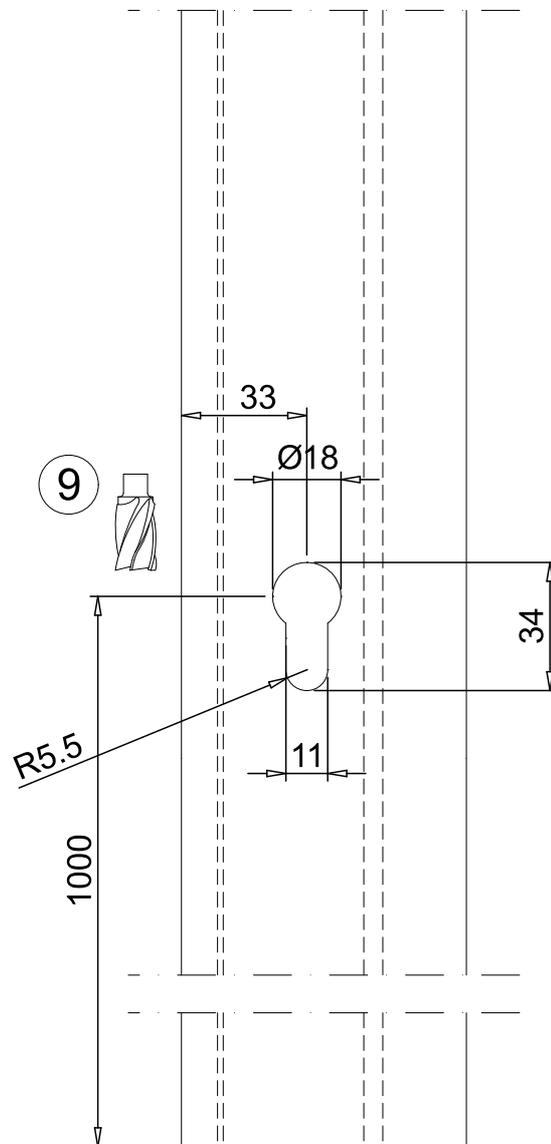
RH UPRIGHT FOR MOBILE LEAF (805143):

9 : MILLING FOR INSTALLATION OF ACCESSORY 103211 (THROUGH-CYLINDER FOR LOCK)

IMPORTANT: ONLY FOR LOCK WITH THROUGH-CYLINDER - 103211



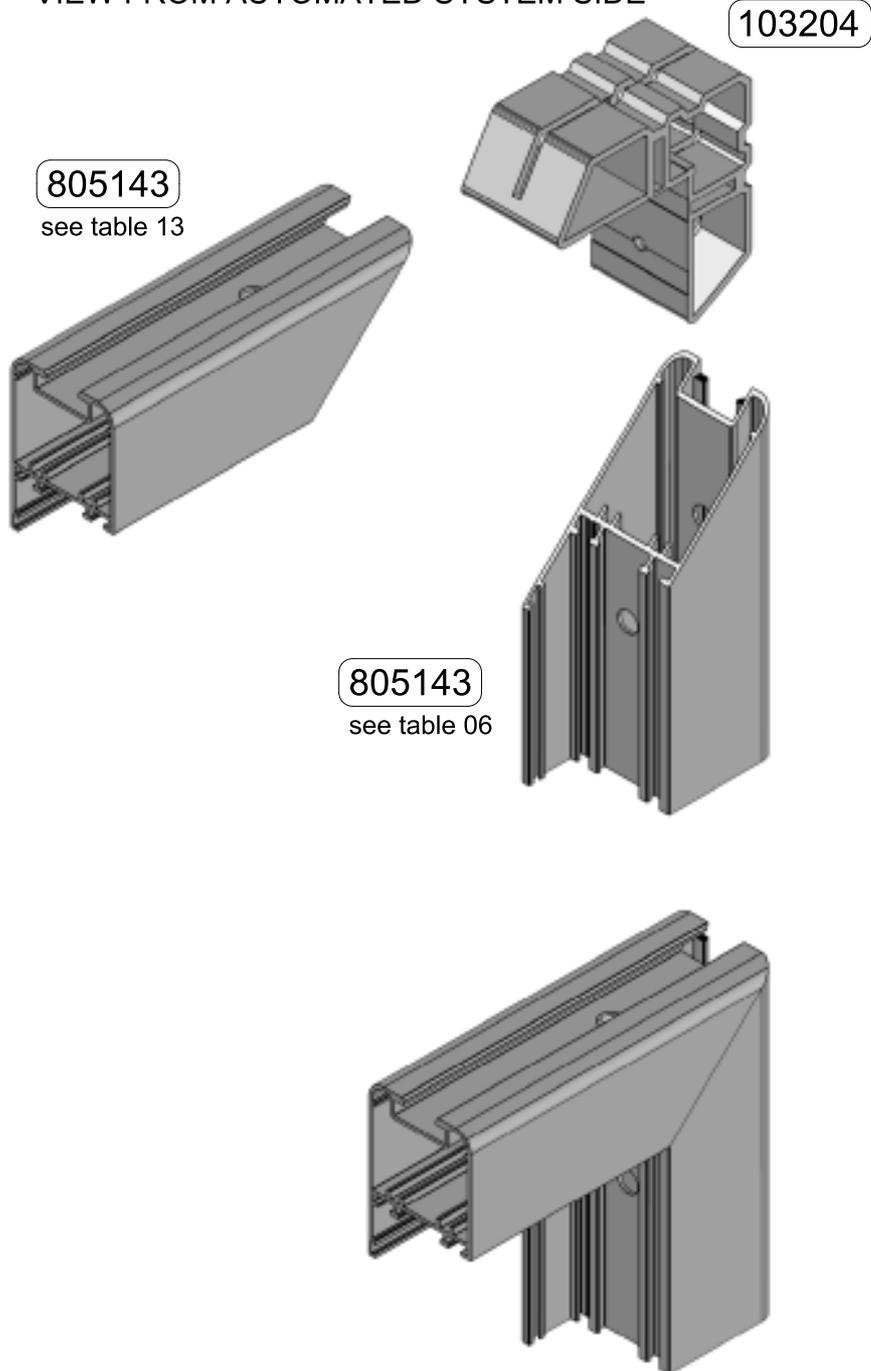
VIEW FROM SIDE OPPOSITE THE AUTOMATED SYSTEM



LOW DOWN

UPPER CROSS BEAM FOR MOBILE LEAF (805143):
ASSEMBLY WITH PROFILE 805143 (MOBILE LEAF UPRIGHT)

VIEW FROM AUTOMATED SYSTEM SIDE



805143
see table 13

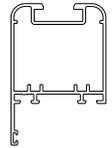
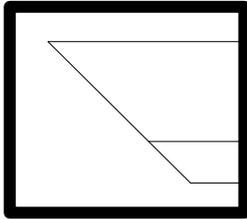
103204

805143
see table 06

UPPER CROSS BEAM FOR MOBILE LEAF (805143):

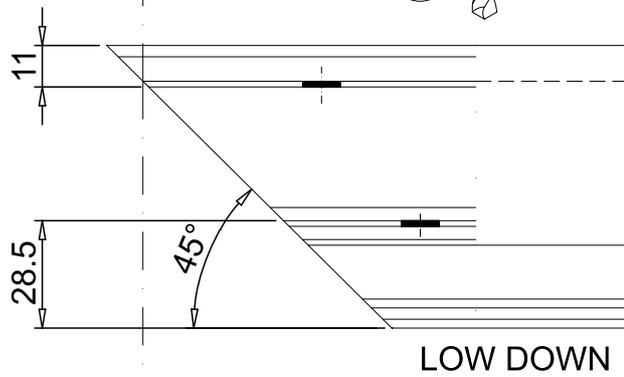
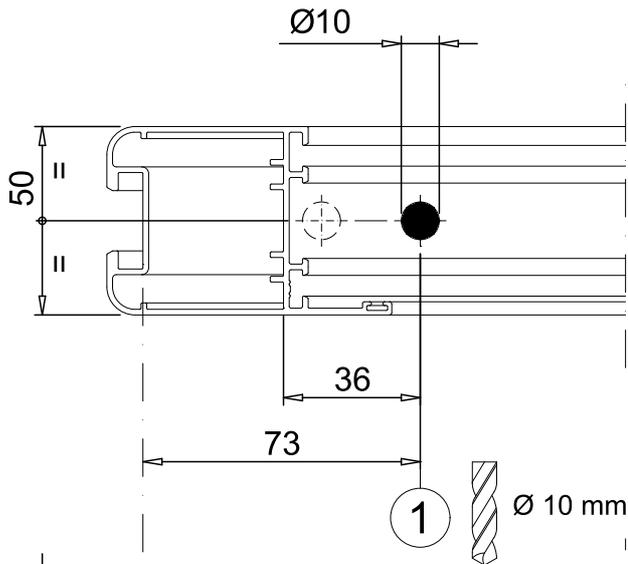
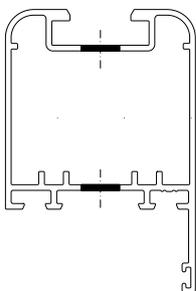
1 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 103204 (MOBILE LEAF SQUARE)

VIEW FROM AUTOMATED SYSTEM SIDE

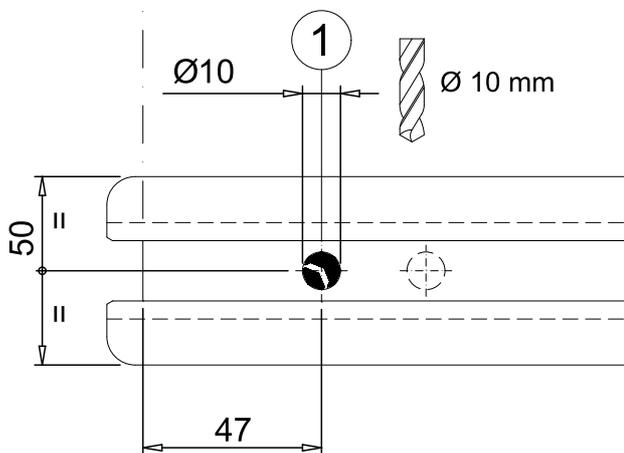


ROTATED VIEW

805143



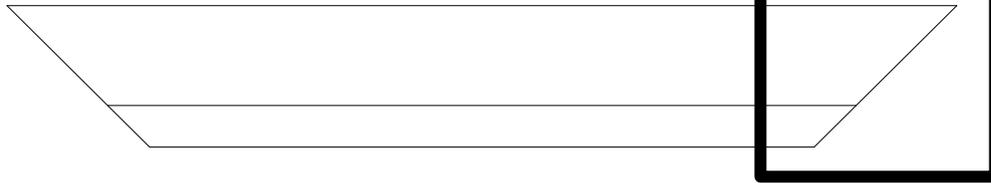
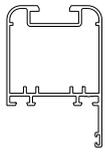
VIEW FROM AUTOMATED SYSTEM SIDE



UPPER CROSS BEAM for MOBILE LEAF (805143):

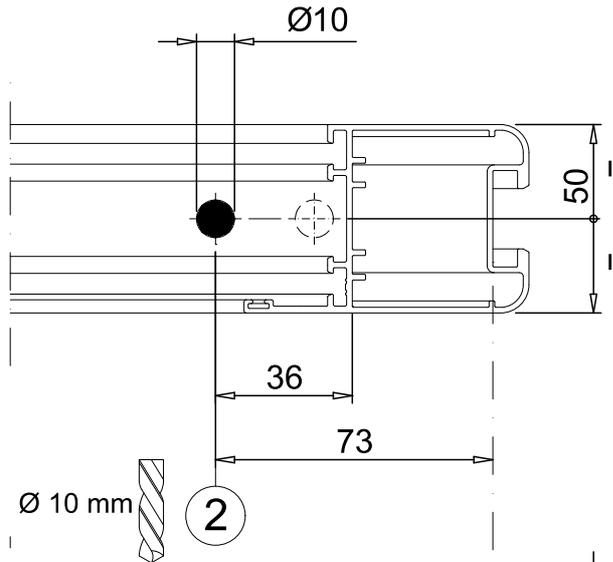
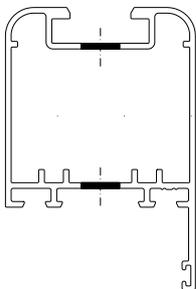
2 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 103204 (MOBILE LEAF SQUARE)

VIEW FROM AUTOMATED SYSTEM SIDE



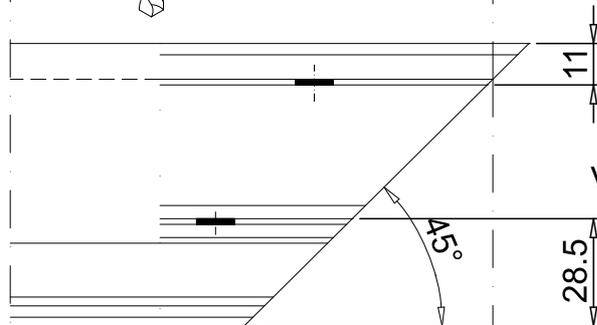
ROTATED VIEW

805143



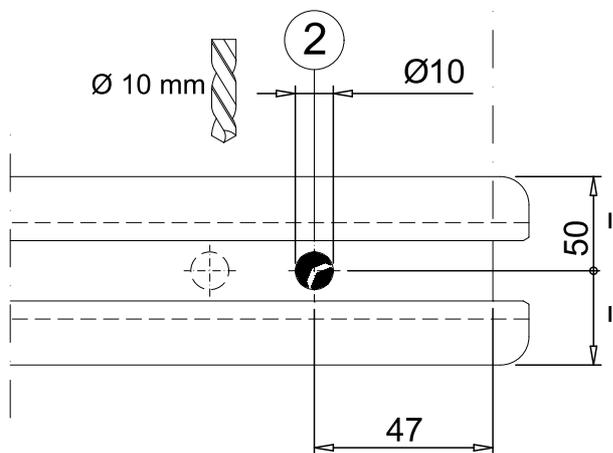
Ø 10 mm

2



VIEW FROM AUTOMATED SYSTEM SIDE

LOW DOWN



Ø 10 mm

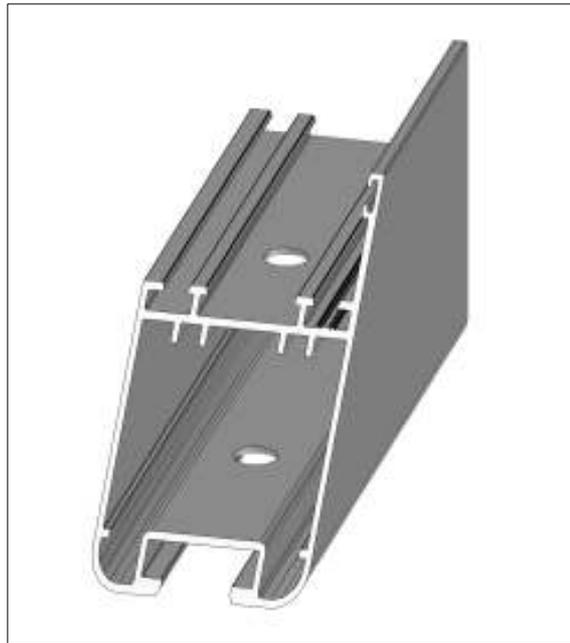
2

Ø10

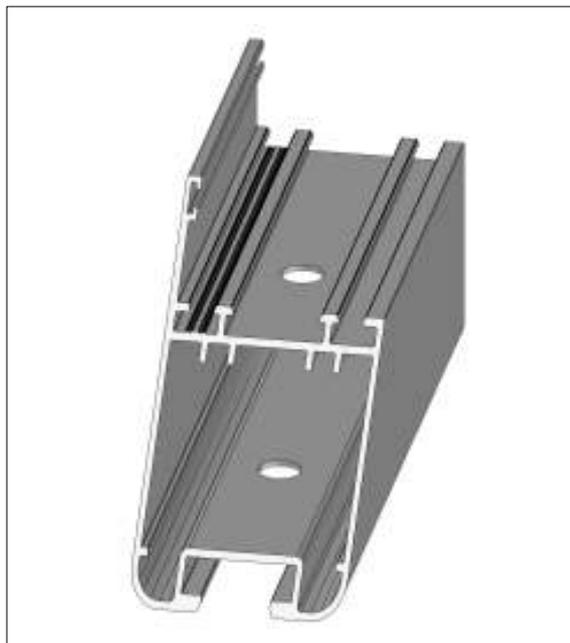
50

47

UPPER CROSS BEAM FOR MOBILE LEAF AXONOMETRIES



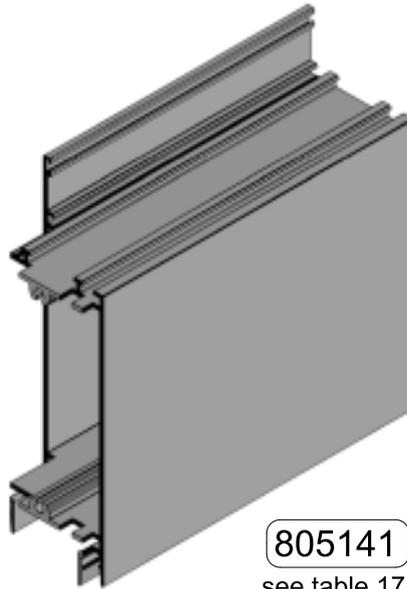
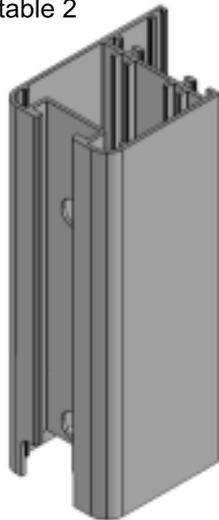
ROTATED VIEWS



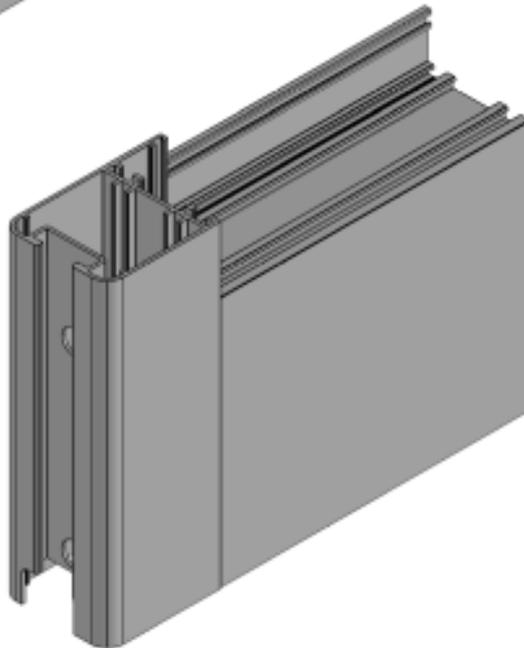
LOWER BASE FOR MOBILE LEAF (805141):
ASSEMBLY WITH PROFILE 805143 (MOBILE LEAF UPRIGHT)

VIEW FROM AUTOMATED SYSTEM SIDE

805143
see table 2



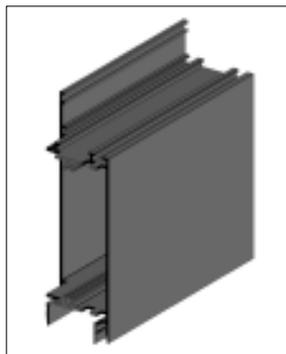
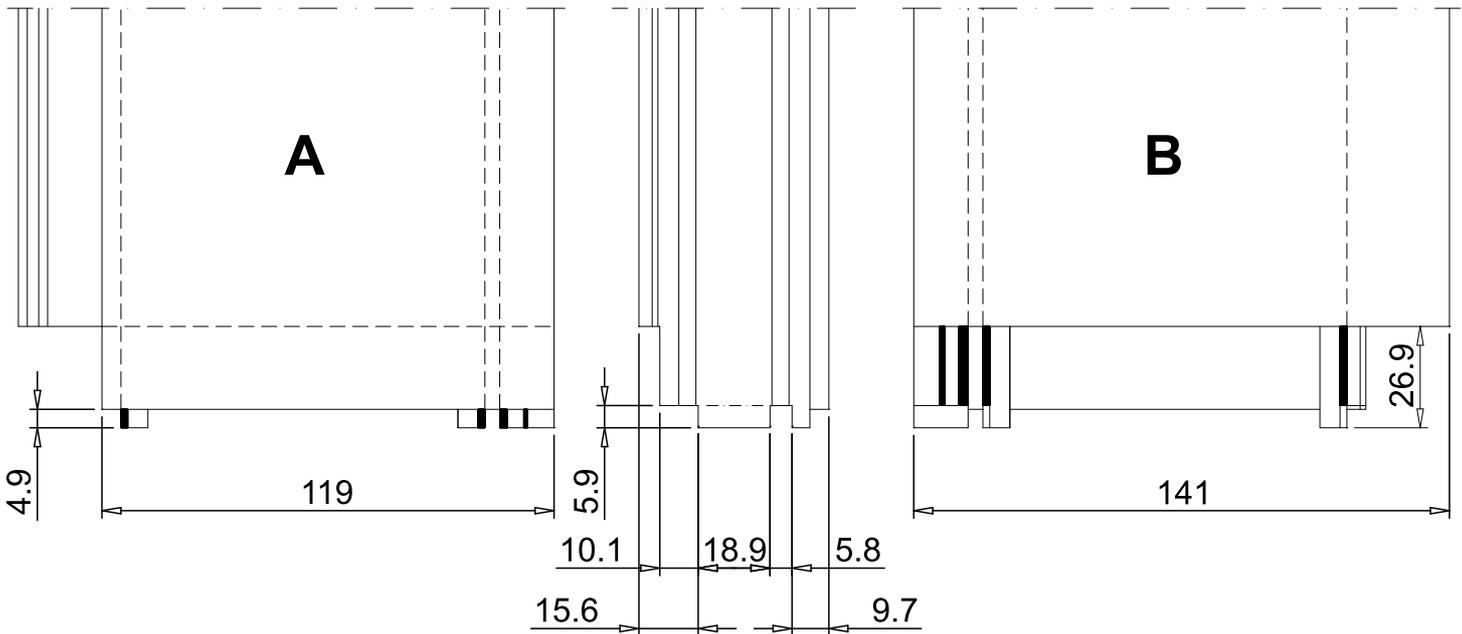
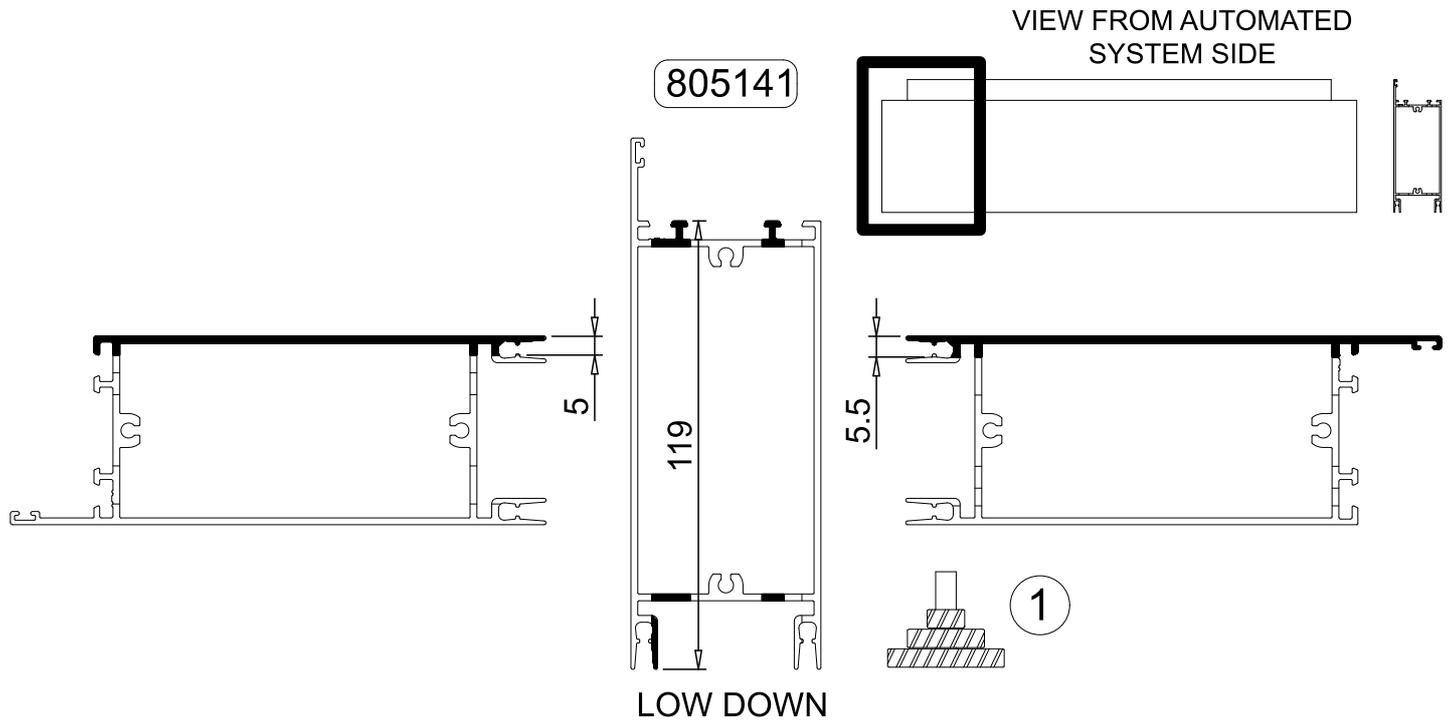
805141
see table 17



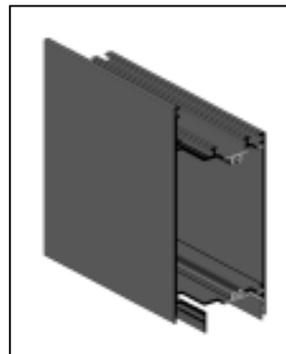
LOWER BASE FOR MOBILE LEAF (805141):

1 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (MOBILE LEAF LH UPRIGHT)

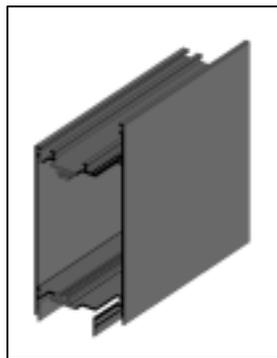
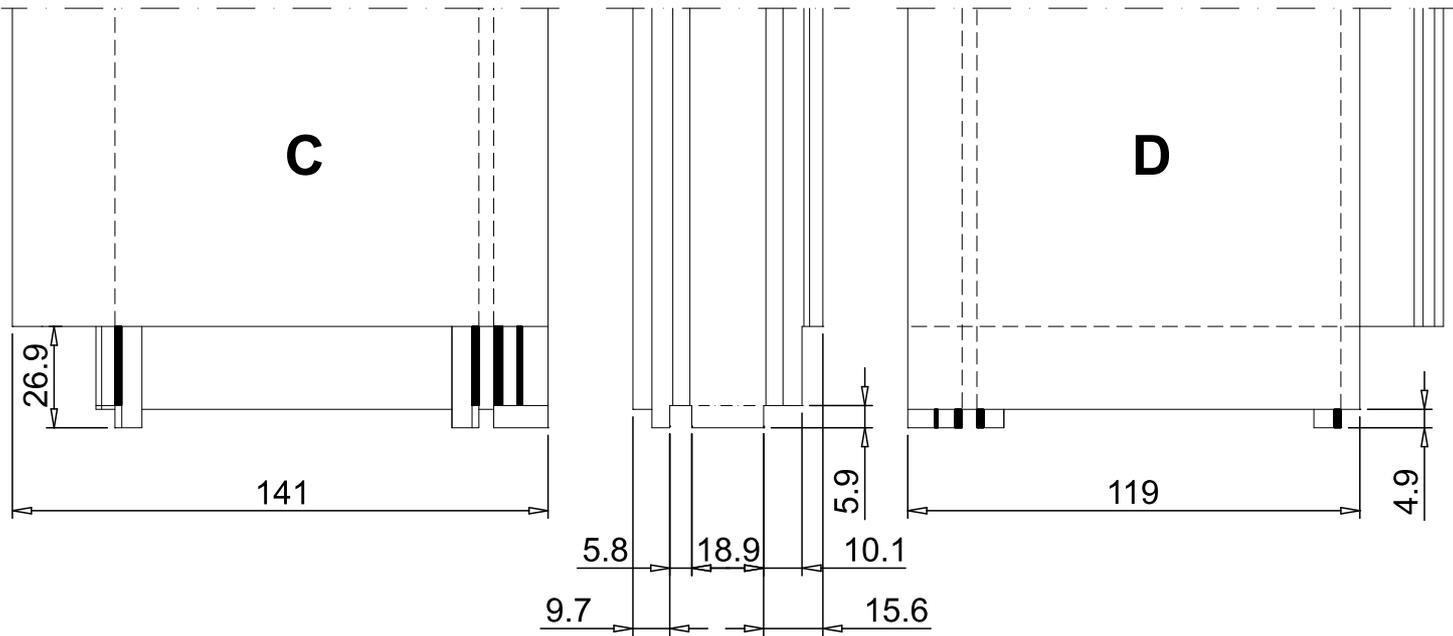
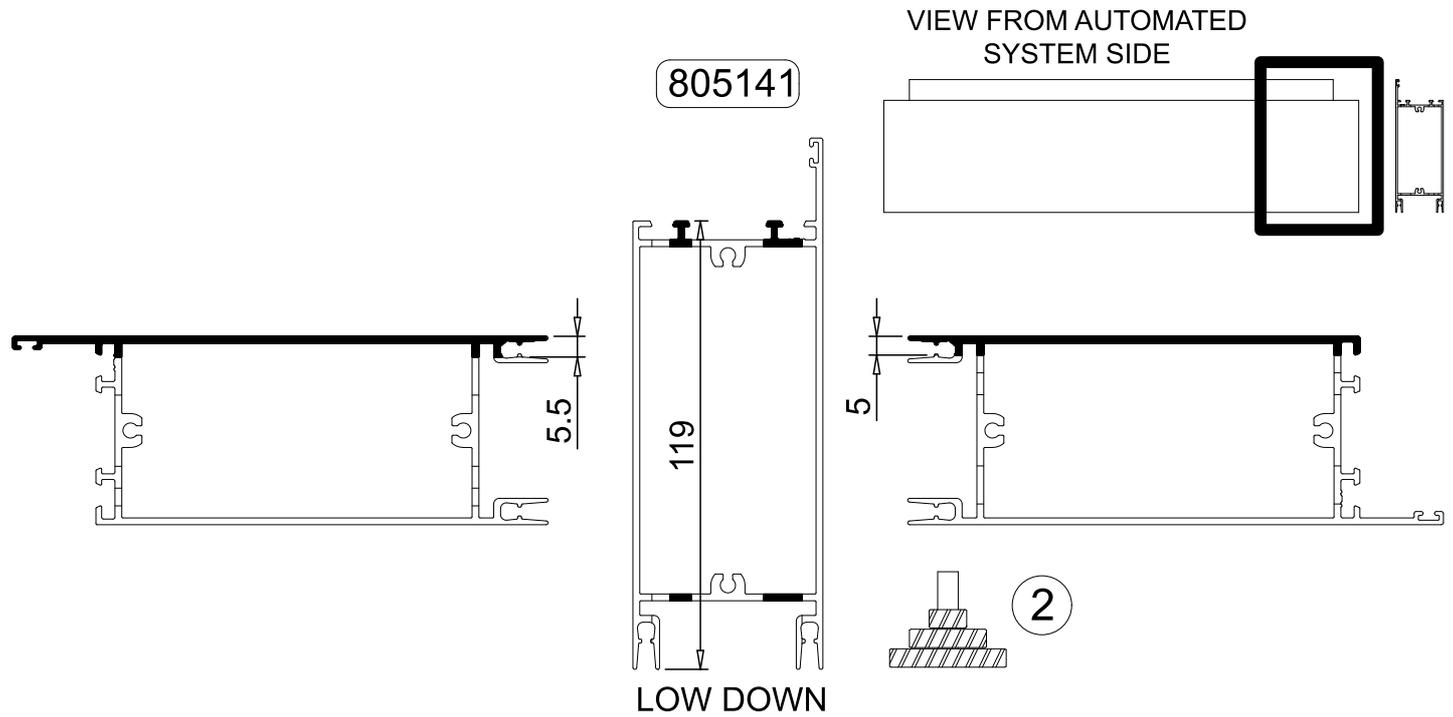
see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1



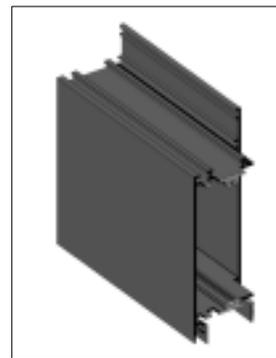
ROTATED VIEWS



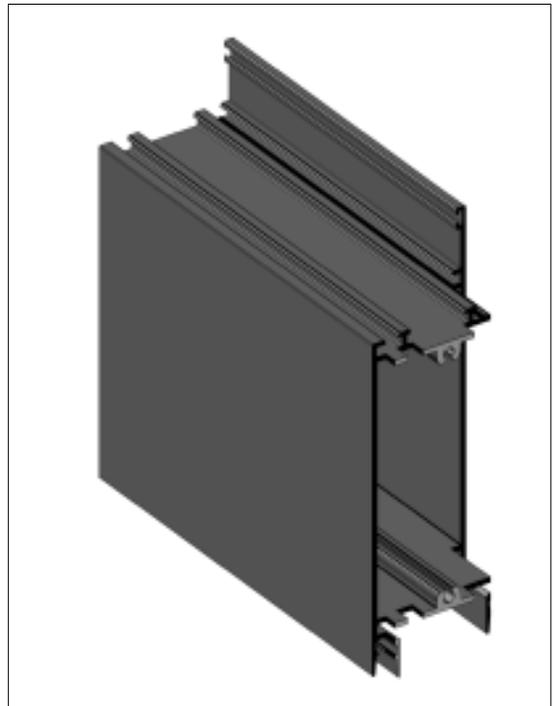
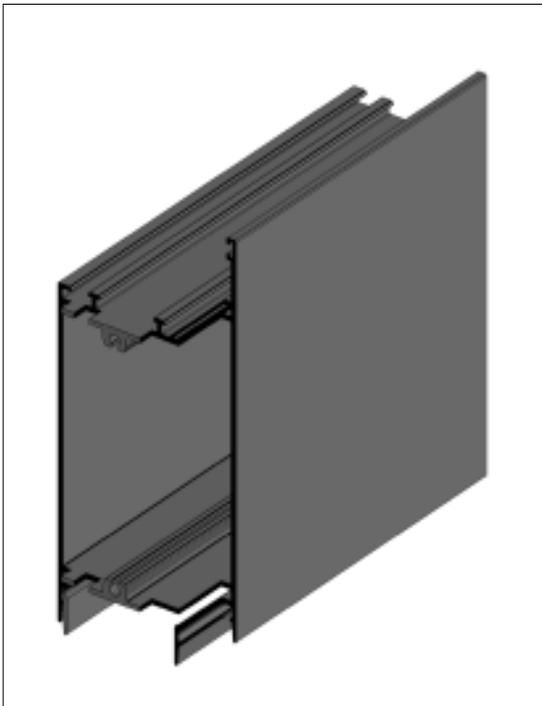
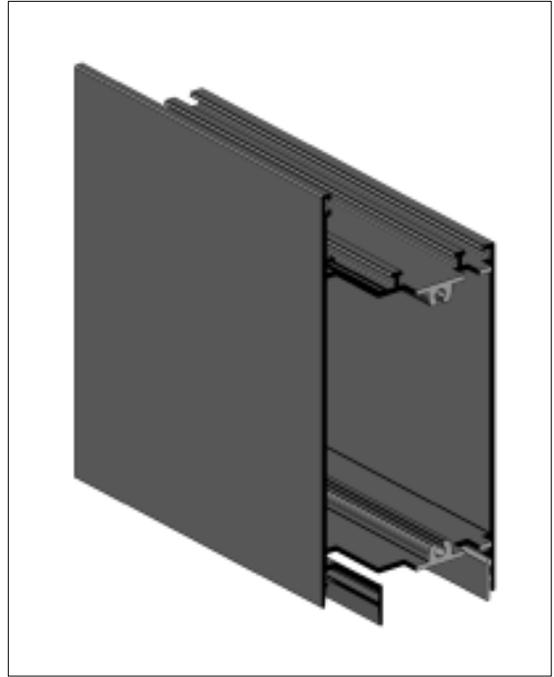
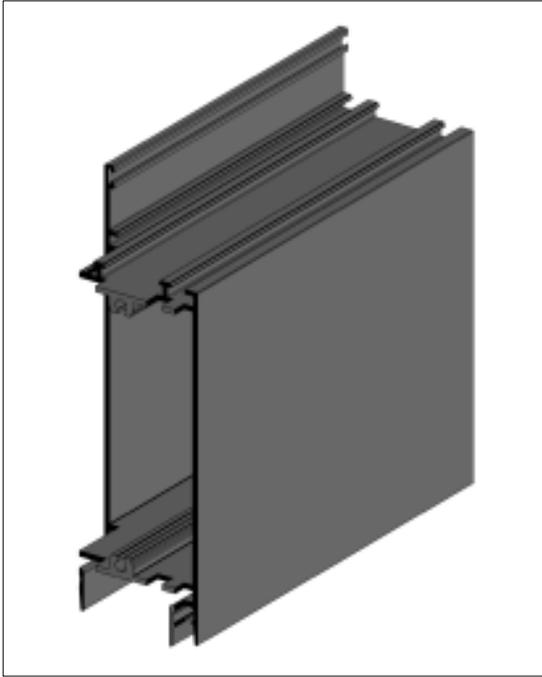
LOWER BASE FOR MOBILE LEAF (805141)::
2 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (MOBILE LEAF RH UPRIGHT)
see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1



ROTATED VIEWS

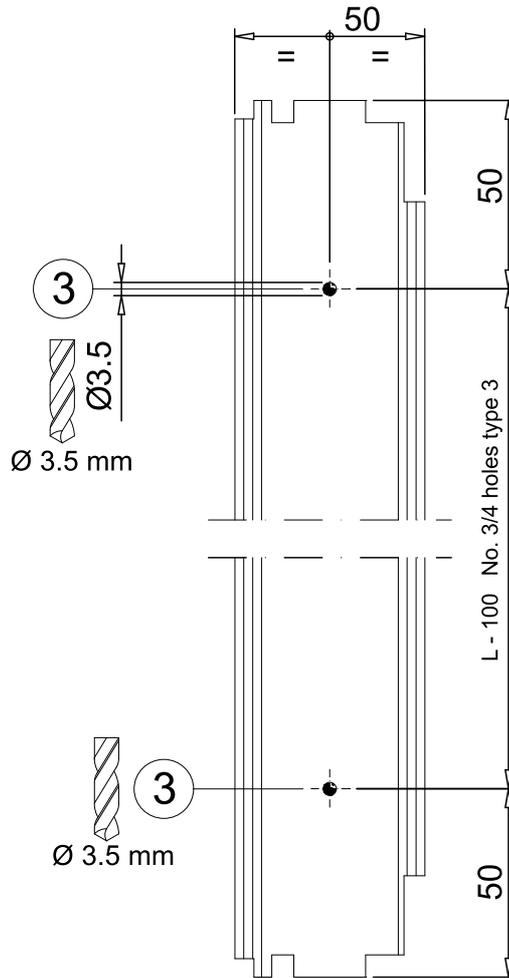


LOWER BASE for MOBILE LEAF (805141): AXONOMETRIES

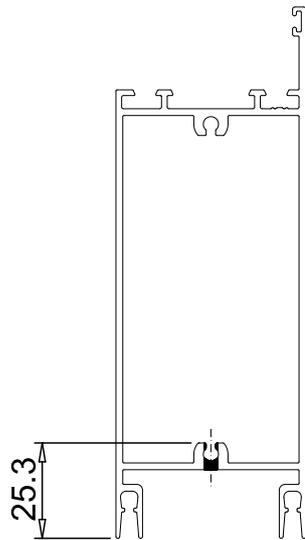


LOWER BASE FOR MOBILE LEAF (805141):

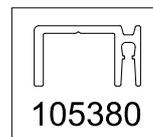
3 : PERFORATION TO SECURE WITH SECTION BAR 105380 (LOWER GUIDE PROFILE)



805141



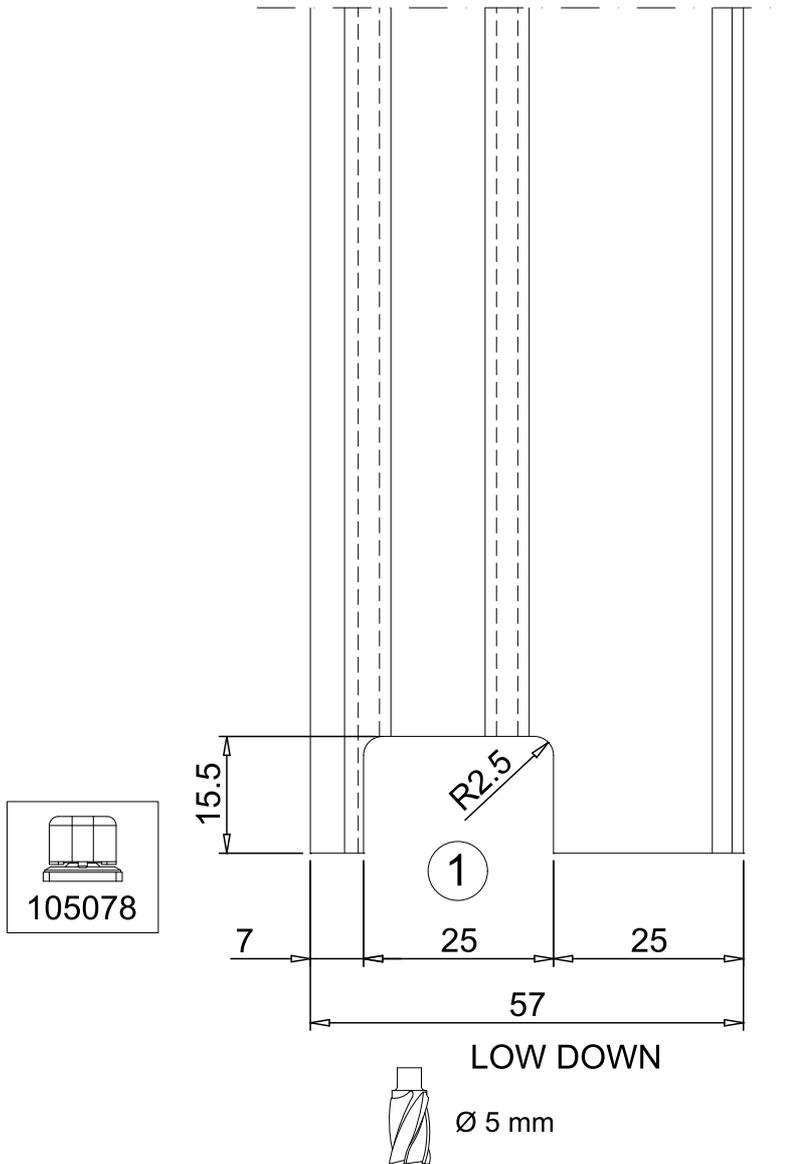
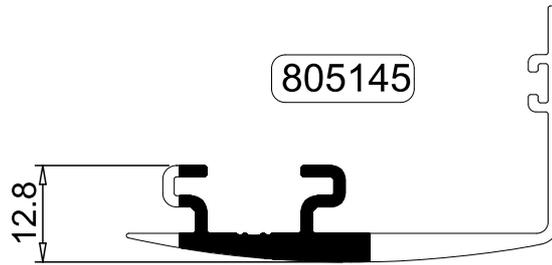
LOW DOWN



105380

LABYRINTH PROFILE FOR MOBILE LEAF (805145):

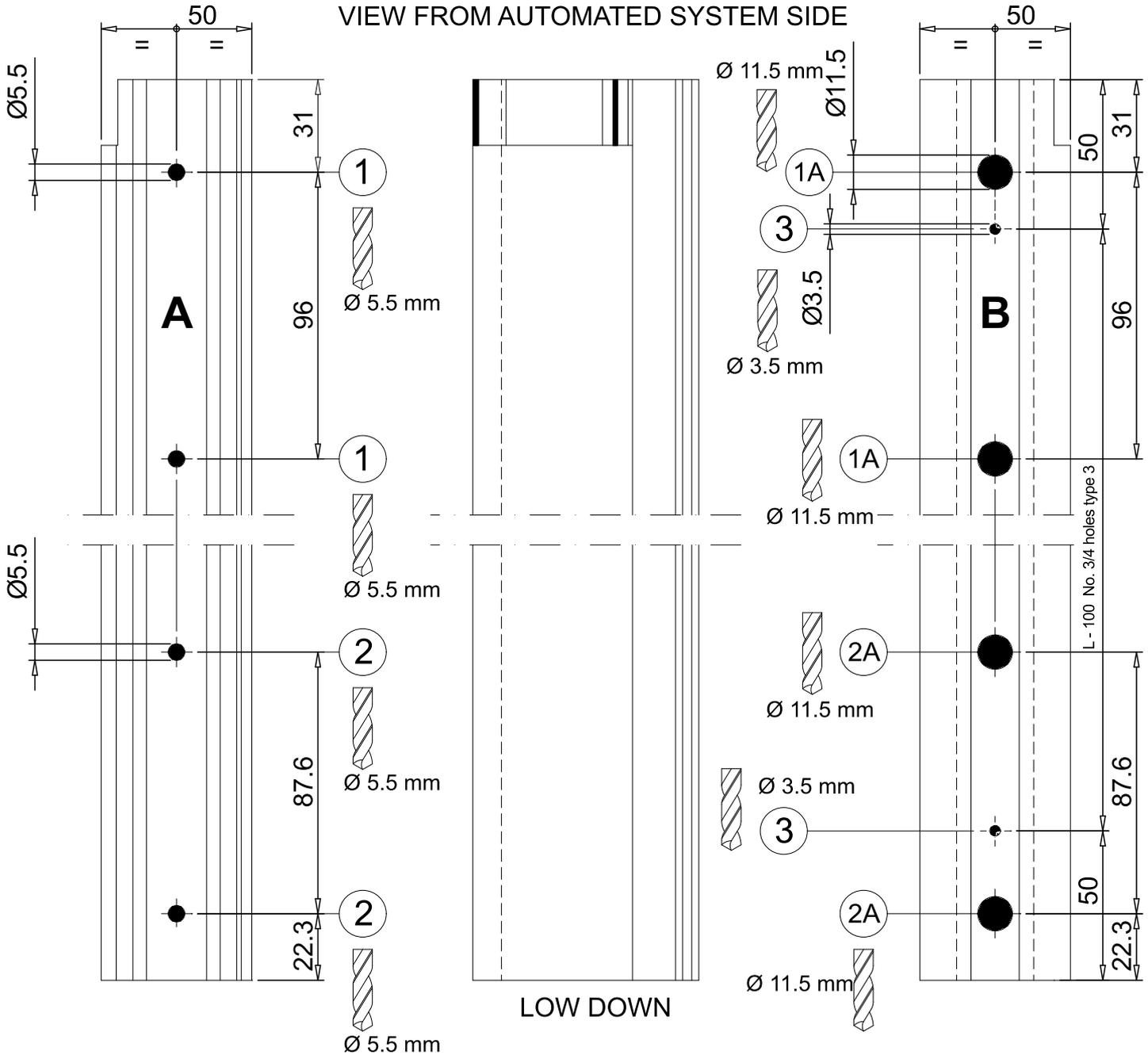
1 : MILLING FOR INSTALLATION OF ACCESSORY 105078 (ARTICULATED SLIDING BLOCK)



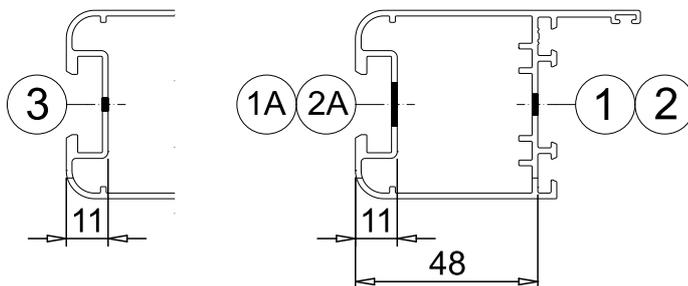
LH UPRIGHT FOR FRAME/FIXED LEAF (805143):

- 1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805245 (FIXED LEAF UPPER BAND)
- 2 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805141 (FIXED LEAF LOWER BASE)
- 1A and 2A: PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see points 1 and 2)
- 3 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805146 (CONTACT POINT PROFILE)

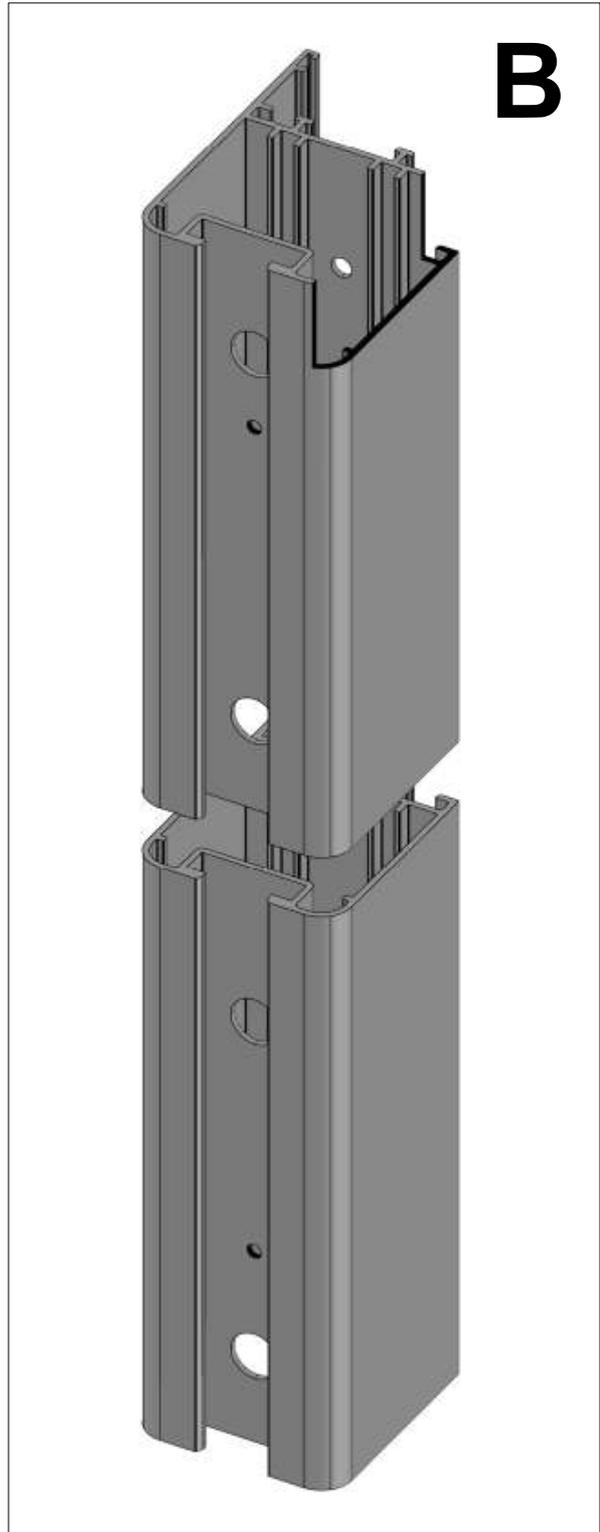
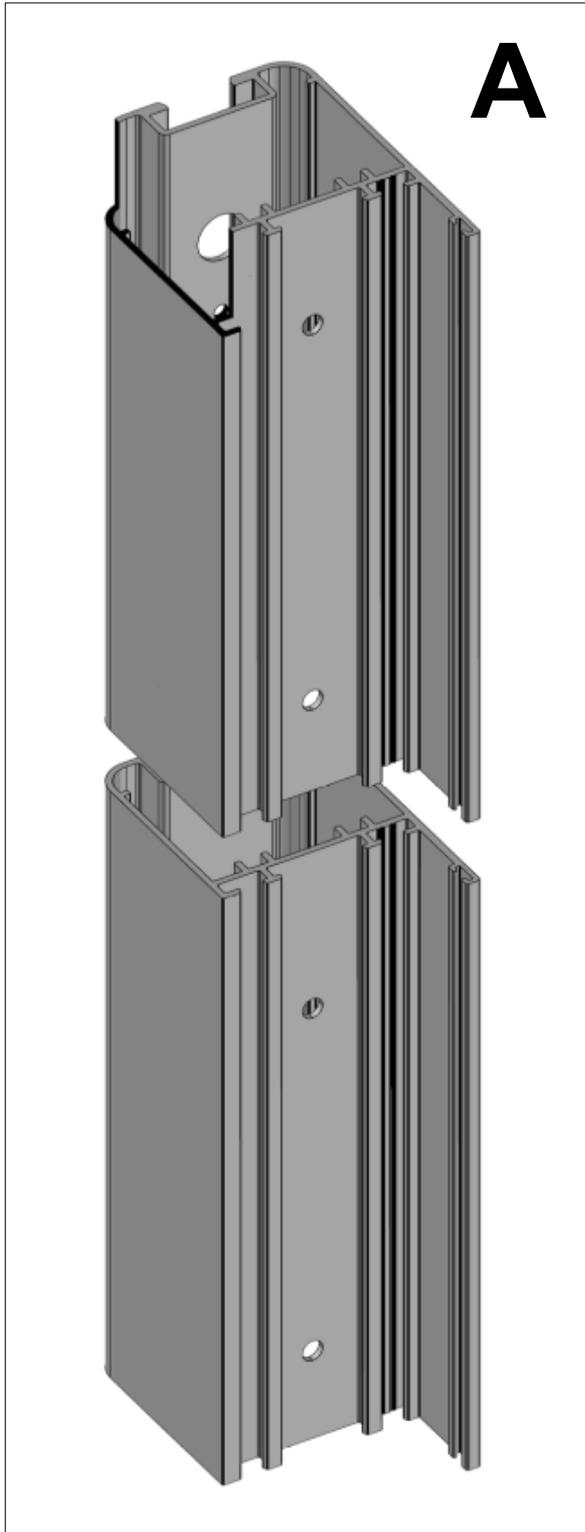
VIEW FROM AUTOMATED SYSTEM SIDE



805143



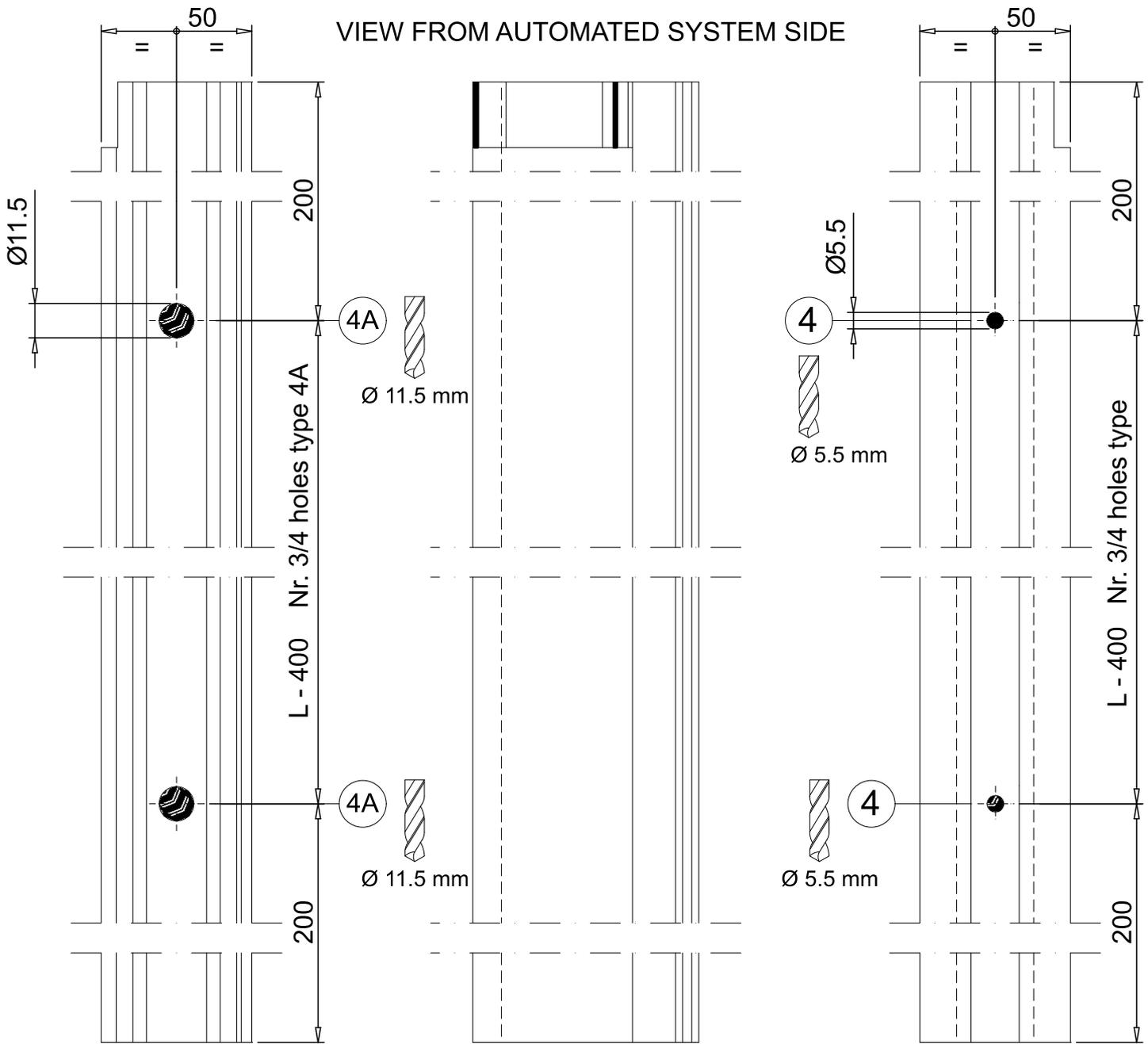
LH UPRIGHT FOR FRAME/FIXED LEAF (805143):
 AXONOMETRIES



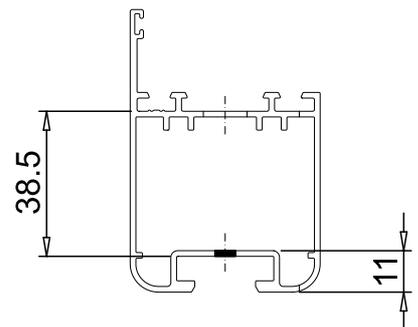
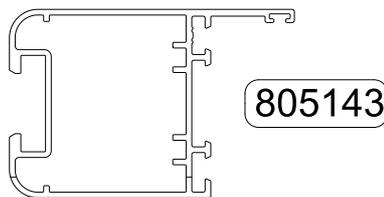
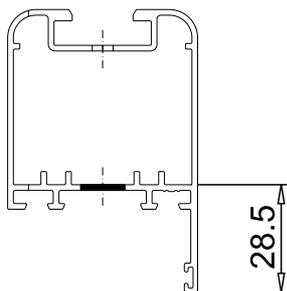
LH UPRIGHT FOR FRAME/FIXED LEAF (805143):

4 : PERFORATION FOR SECURING SCREW TO WALL

4A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 4)

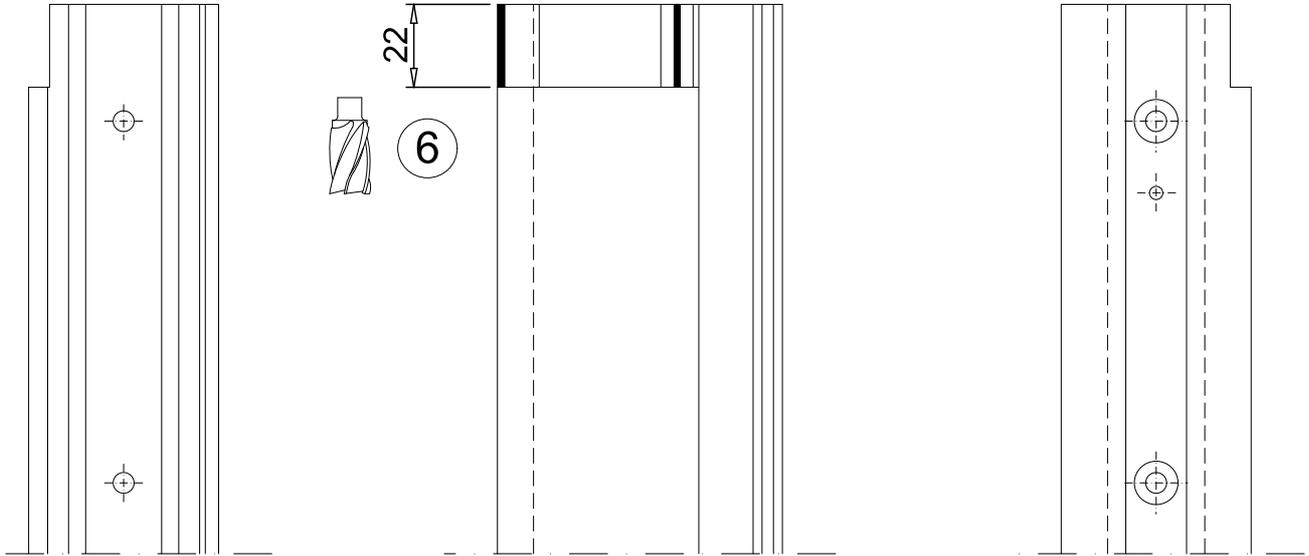


LOW DOWN

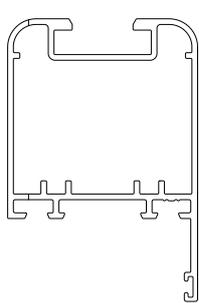


LH UPRIGHT FOR FRAME/FIXED LEAF (805143):
6 : MILLING FOR ASSEMBLY WITH PROFILE 805248 (OVER GAP LEAF LOWER CROSS BEAM)

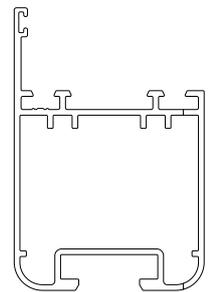
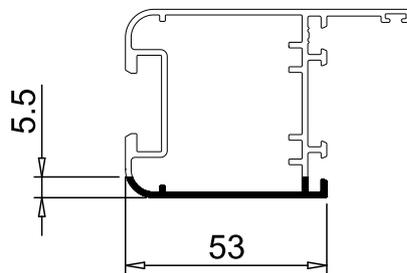
VIEW FROM AUTOMATED SYSTEM SIDE



LOW DOWN



805143

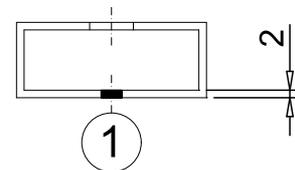
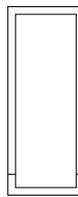
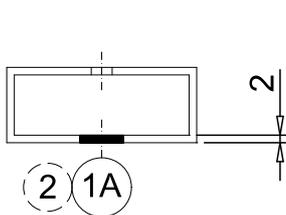
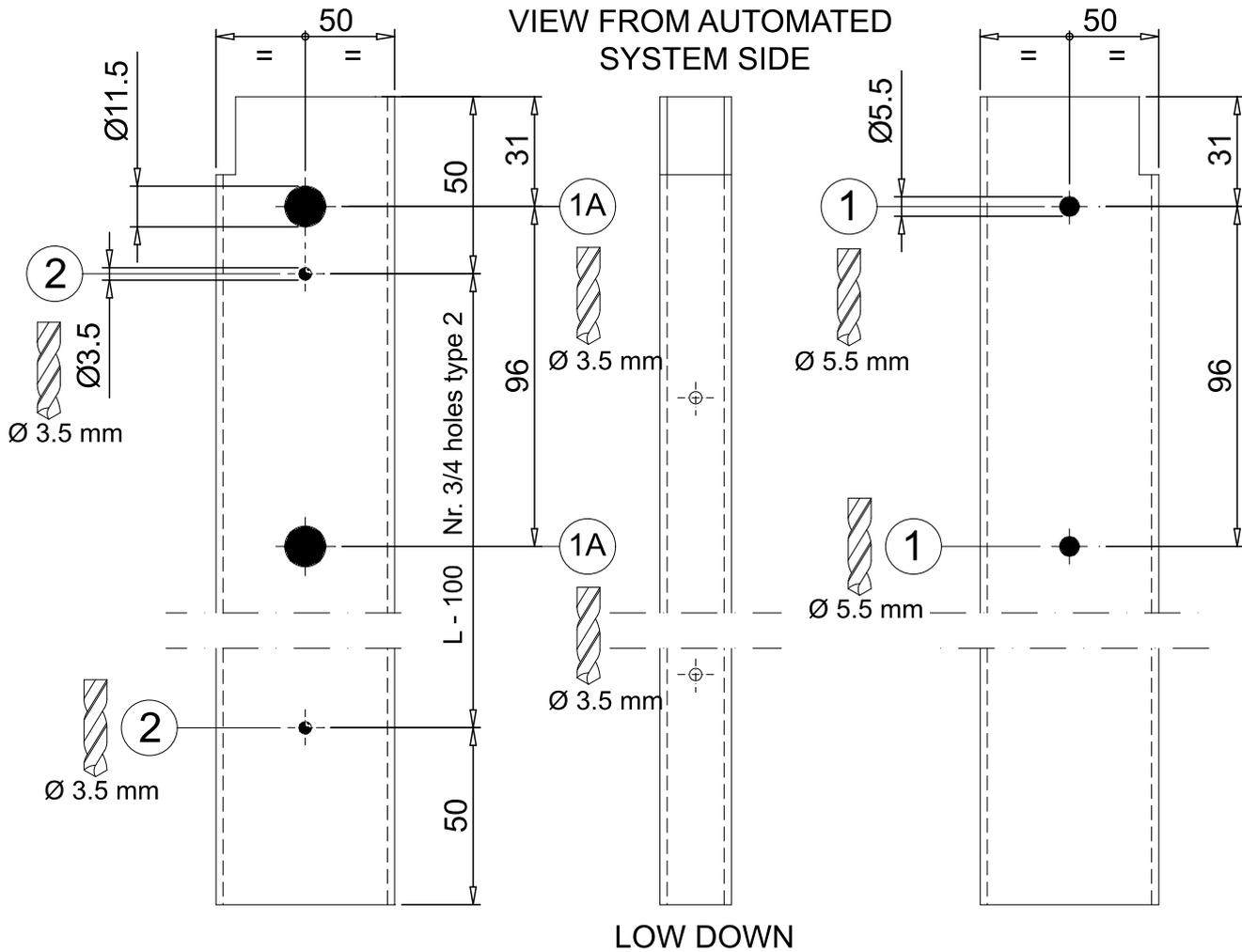


RH UPRIGHT FOR FRAME (805226) :

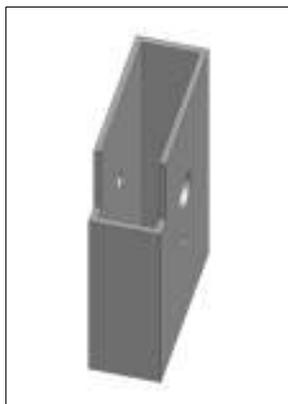
1 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805245 (FISSA LEAF UPPER BAND)

1A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 1)

2 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805231 (CONTACT POINT ANGLED ELEMENT)



805226

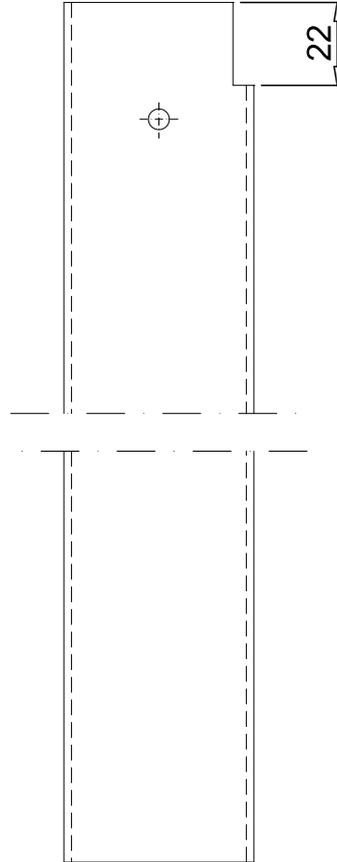
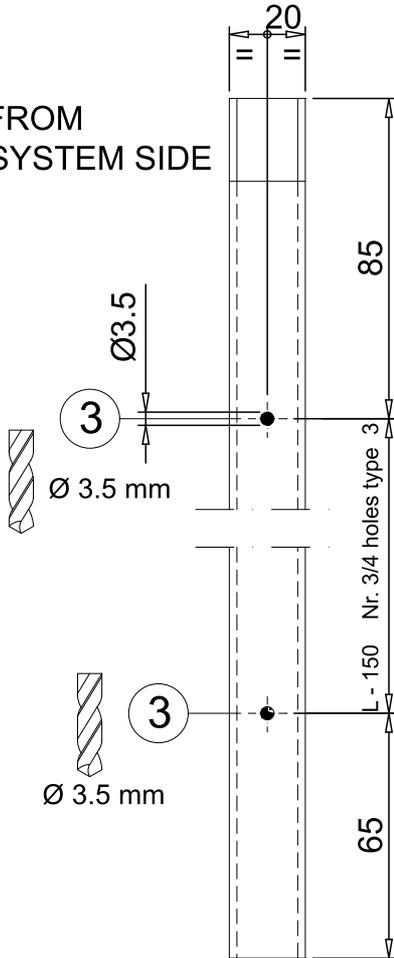


RH UPRIGHT FOR FRAME (805226):

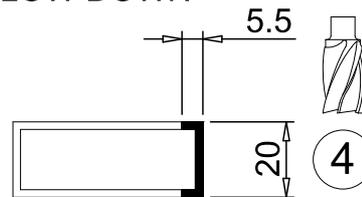
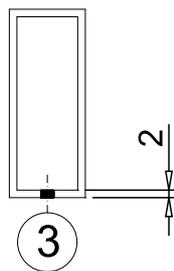
3 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805228 (CONTACT POINT TUBING)

4 : MILLING FOR ASSEMBLY WITH PROFILE 805248 (OVER GAP LEAF LOWER CROSS BEAM)

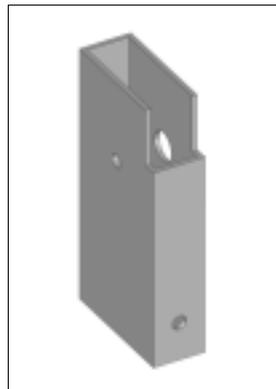
VIEW FROM
AUTOMATED SYSTEM SIDE



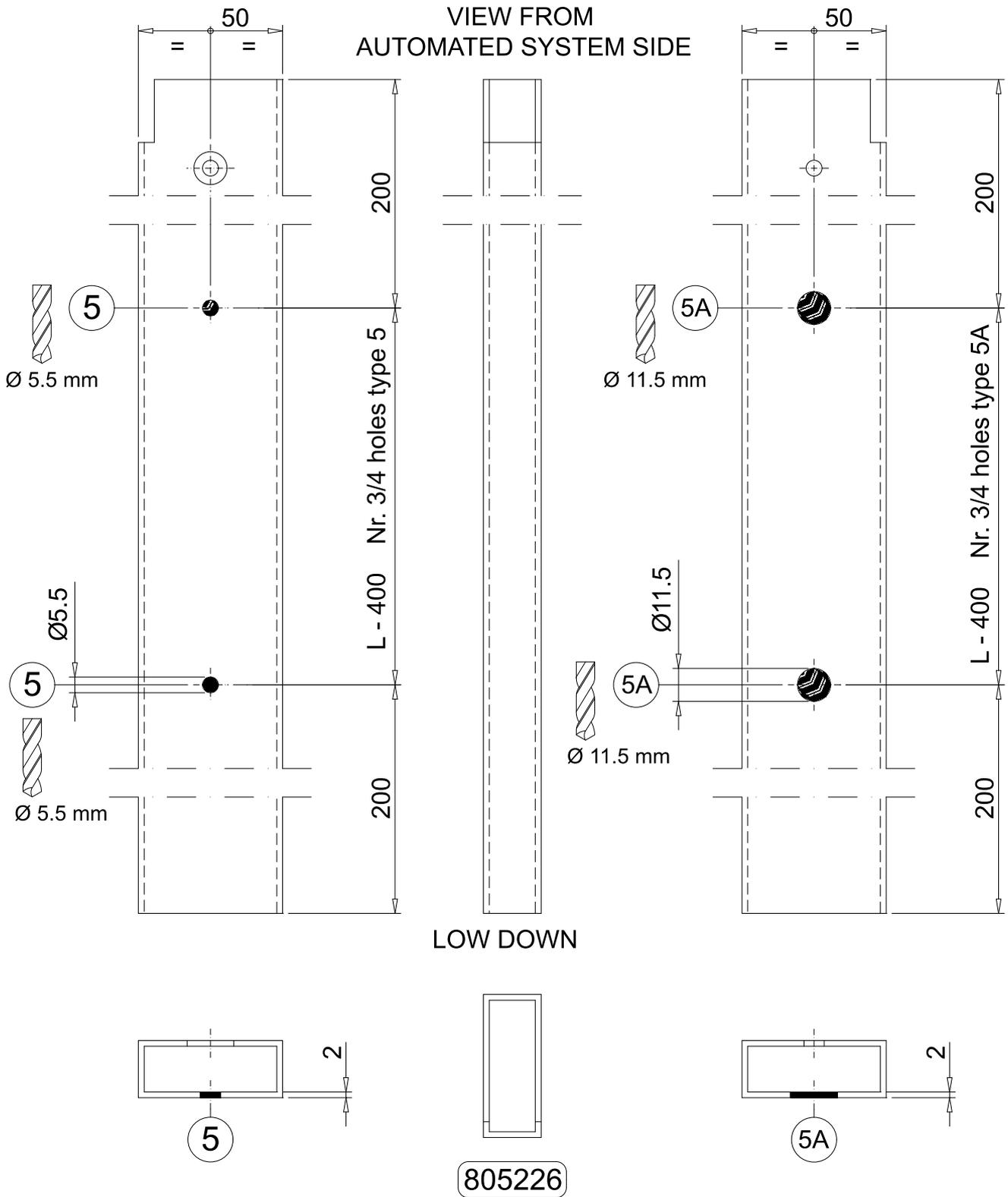
LOW DOWN



805226



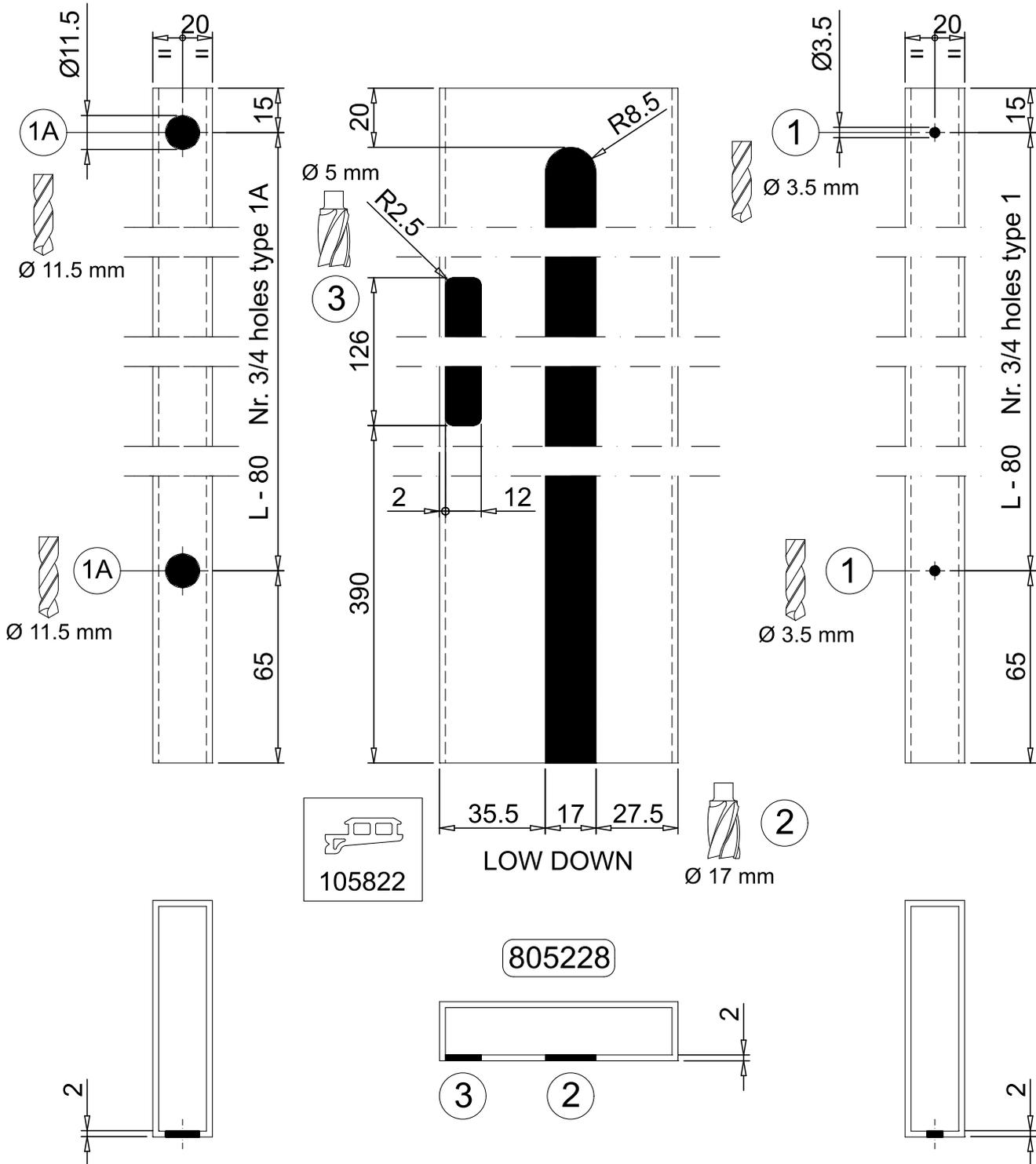
RH UPRIGHT FOR FRAME (805226):
5 : PERFORATION FOR SECURING SCREW TO WALL
5A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 5)



FRAME RH UPRIGHT for CONTACT POINT TUBING (805228) :

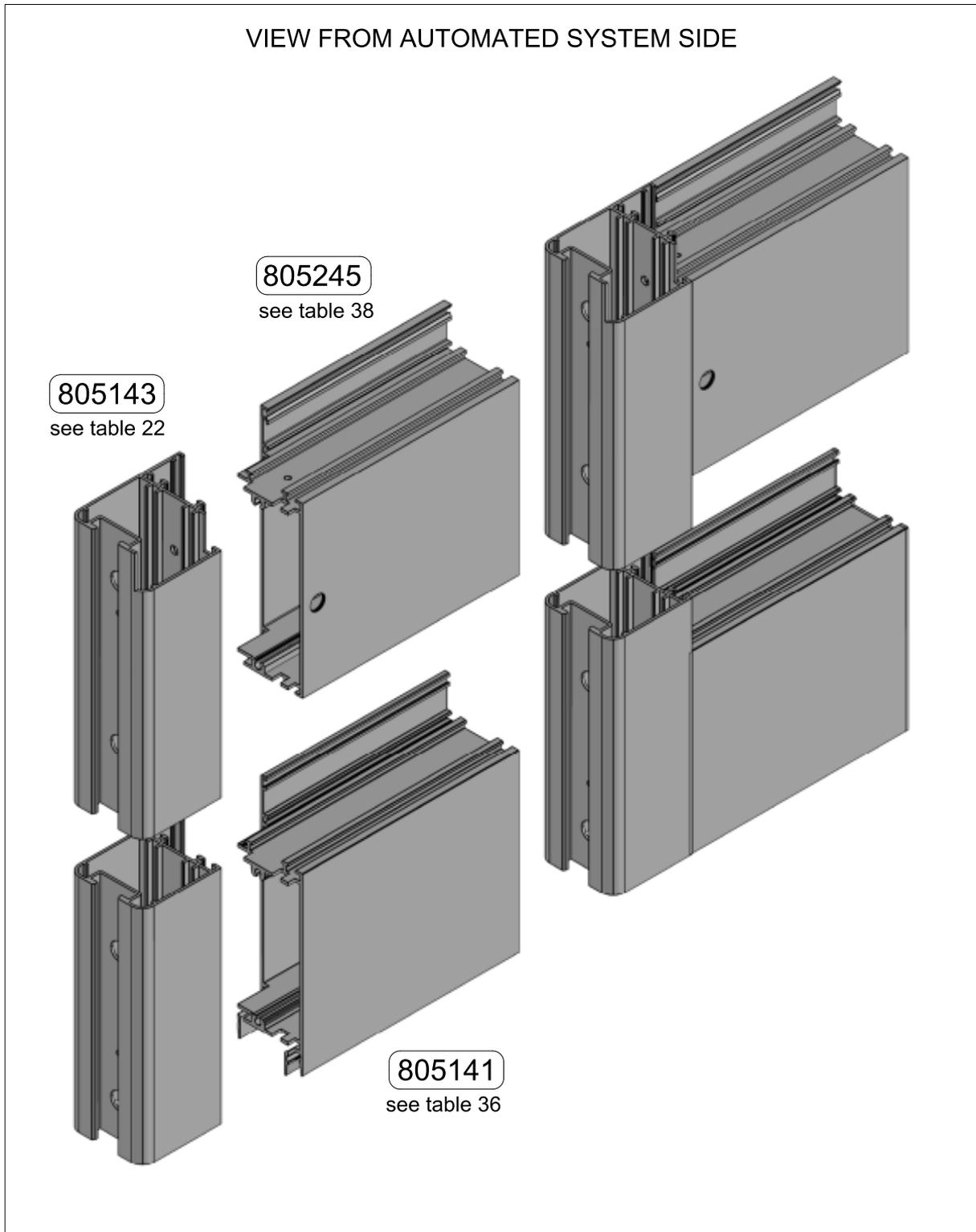
- 1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805226 (FRAME RH UPRIGHT)
- 1A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 1)
- 2 : MILLING FOR INSTALLATION OF ACCESSORY 105822 (CONTACT SEAL)
- 3 : MILLING FOR INSTALLATION OF ACCESSORY 103209 (PHOTOCELL BRACKET KIT)

VIEW FROM AUTOMATED SYSTEM SIDE

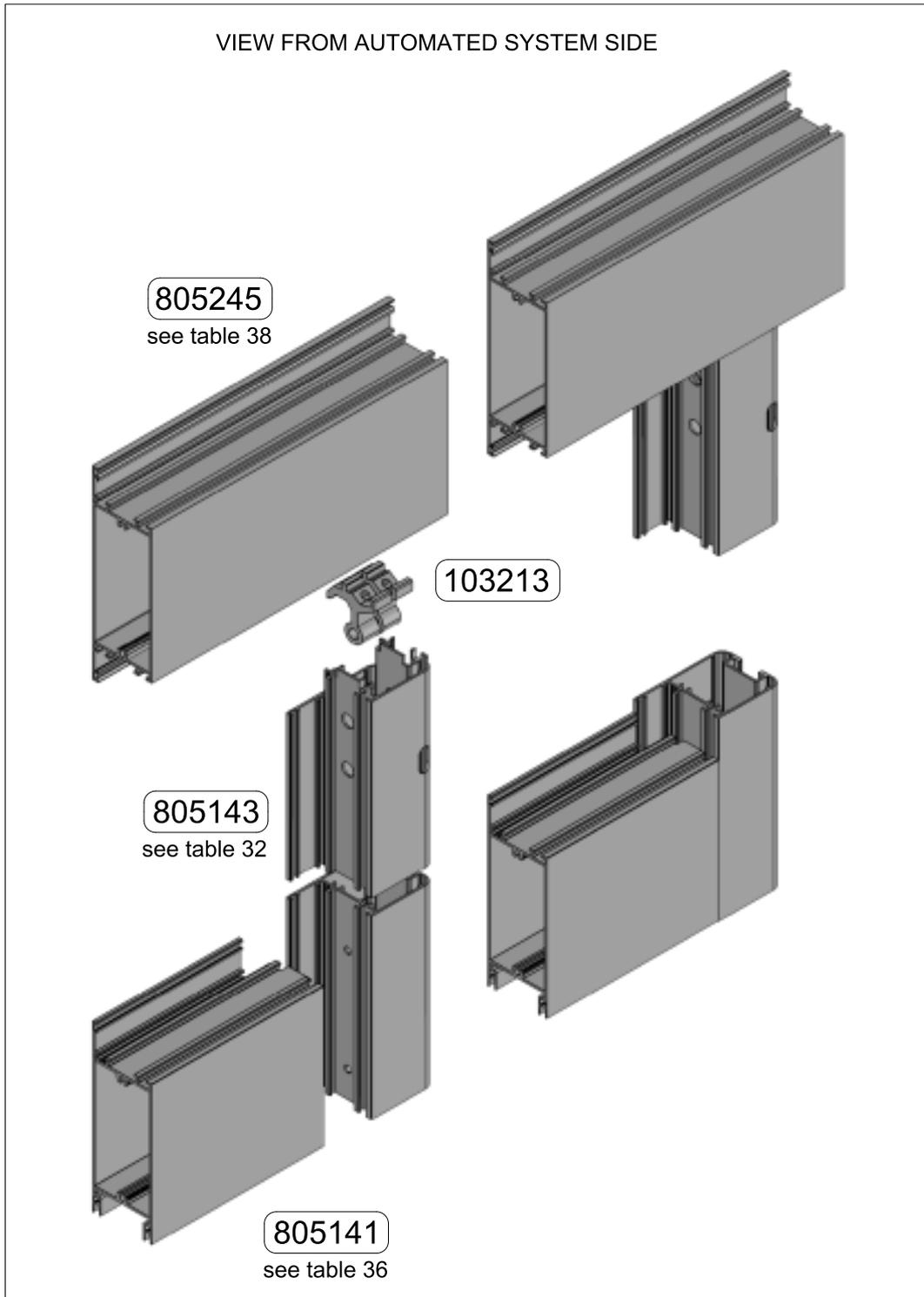


LH UPRIGHT FOR FRAME/FIXED LEAF (805143):
ASSEMBLY WITH SECTION BARS
805141 (LOWER BASE WITH FIXED LEAF) and 805245 (UPPER BAND, FRAME/FIXED LEAF)

VIEW FROM AUTOMATED SYSTEM SIDE

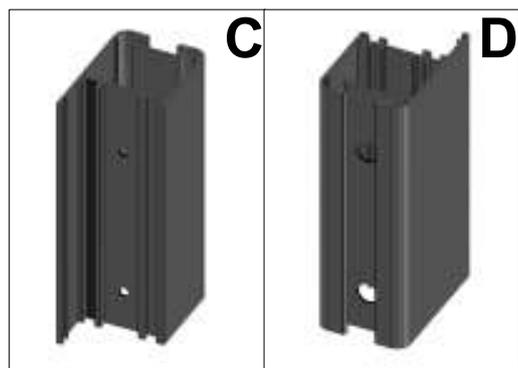
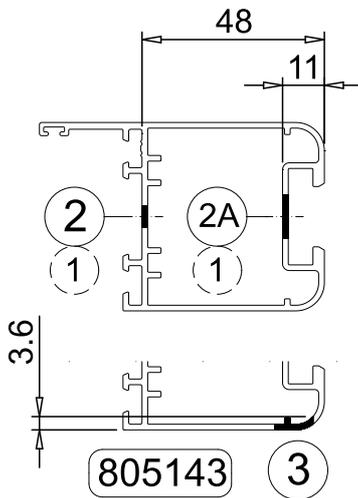
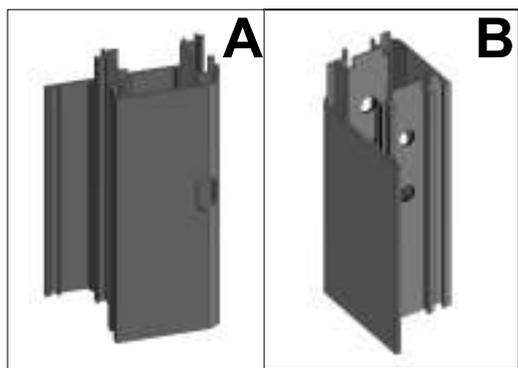
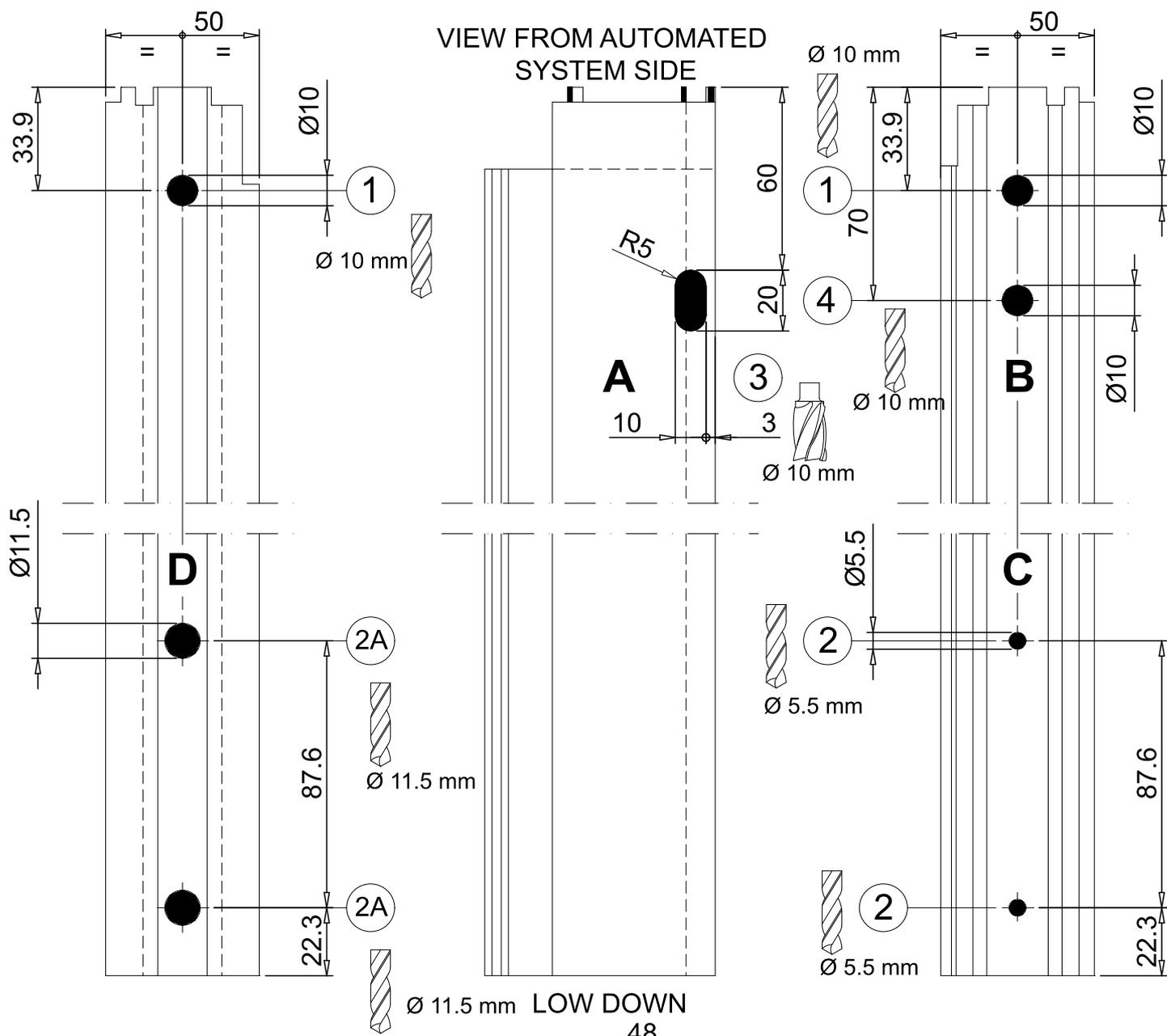


RH UPRIGHT FOR FIXED LEAF (805143):
ASSEMBLY WITH SECTION BARS
 805141 (LOWER BASE WITH FIXED LEAF) and 805245 (UPPER BAND, FRAME/FIXED LEAF)



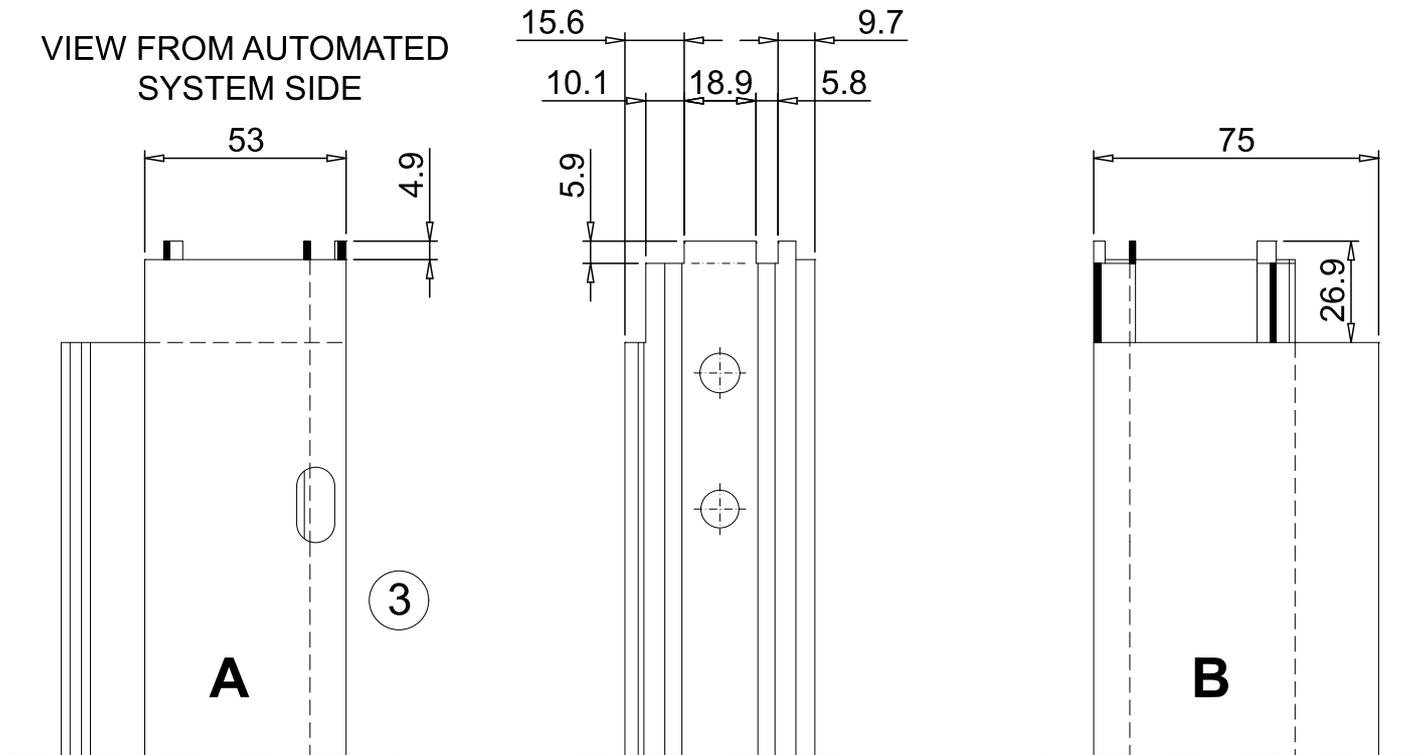
RH UPRIGHT FOR FIXED LEAF (805143):

- 1 : PERFORATION FOR INSTALLATION OF ACCESSORY 103213 U-BOLT TO JOIN SECTION BARS)
- 2 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805141 (FIXED LEAF LOWER BASE)
- 2A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 2)
- 3 : MILLING FOR PASSAGE OF PHOTOCELL ELECTRIC WIRE
- 4 : PERFORATION FOR PASSAGE OF PHOTOCELL ELECTRIC WIRE



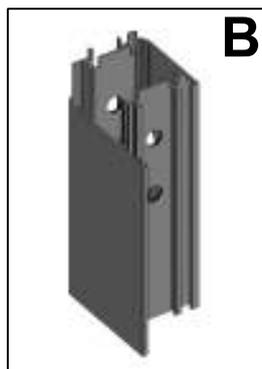
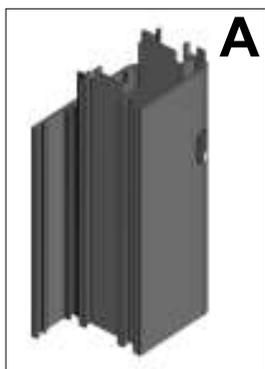
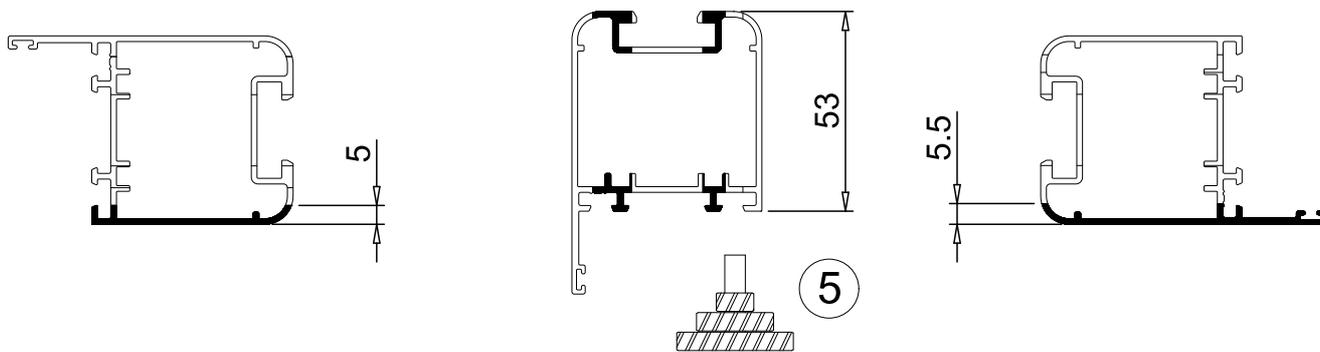
RH UPRIGHT for FIXED LEAF (805143):
5 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805245 (FIXED LEAF UPPER BAND)
see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1

VIEW FROM AUTOMATED
SYSTEM SIDE

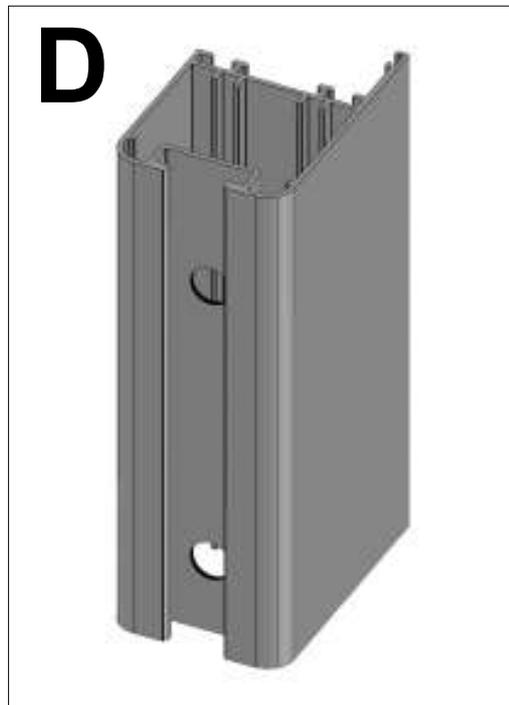
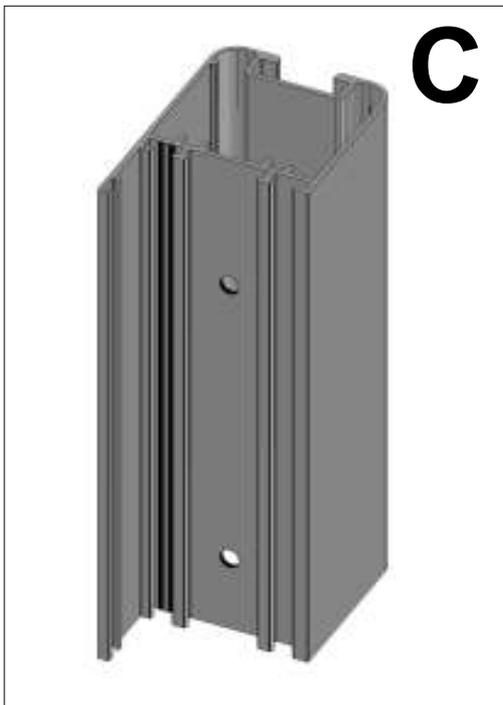
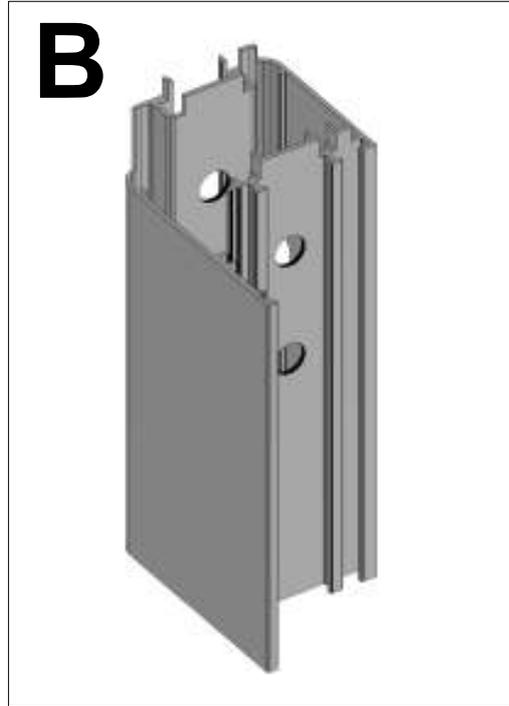
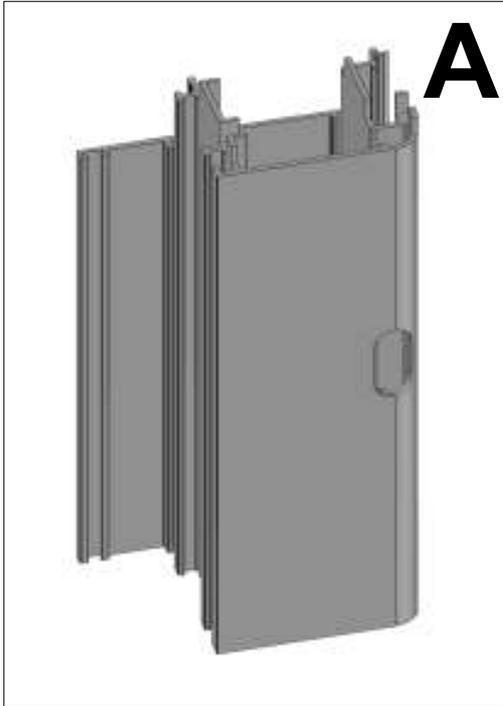


LOW DOWN

805143



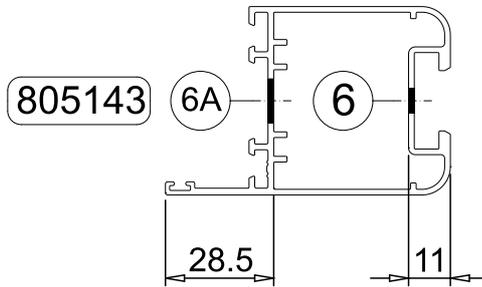
RH UPRIGHT FOR FIXED LEAF (805143):
AXONOMETRIES



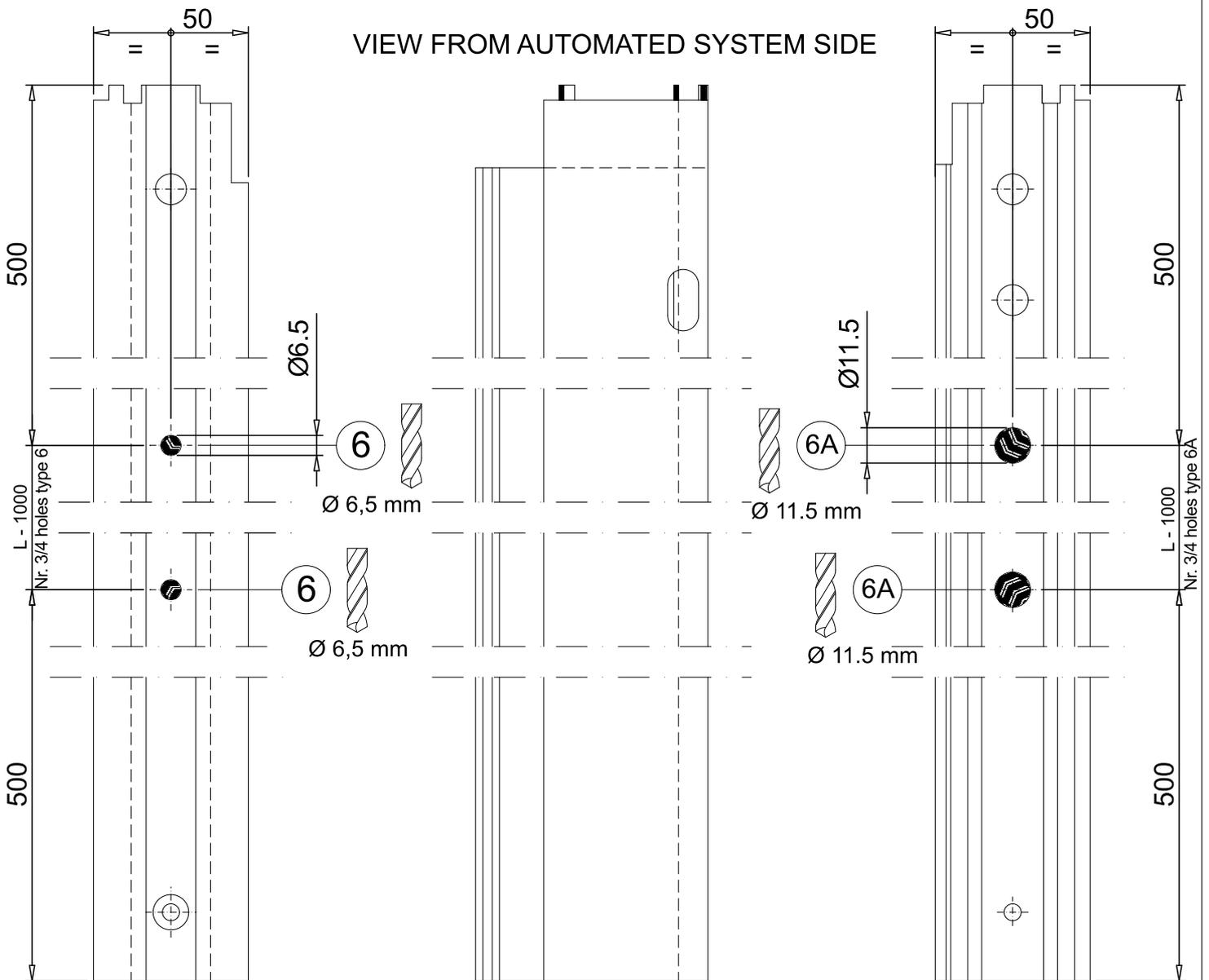
RH UPRIGHT FOR FIXED LEAF (805143):

6 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805145 (LABYRINTH PROFILE)

6A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 6)

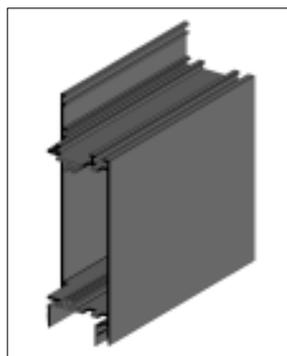
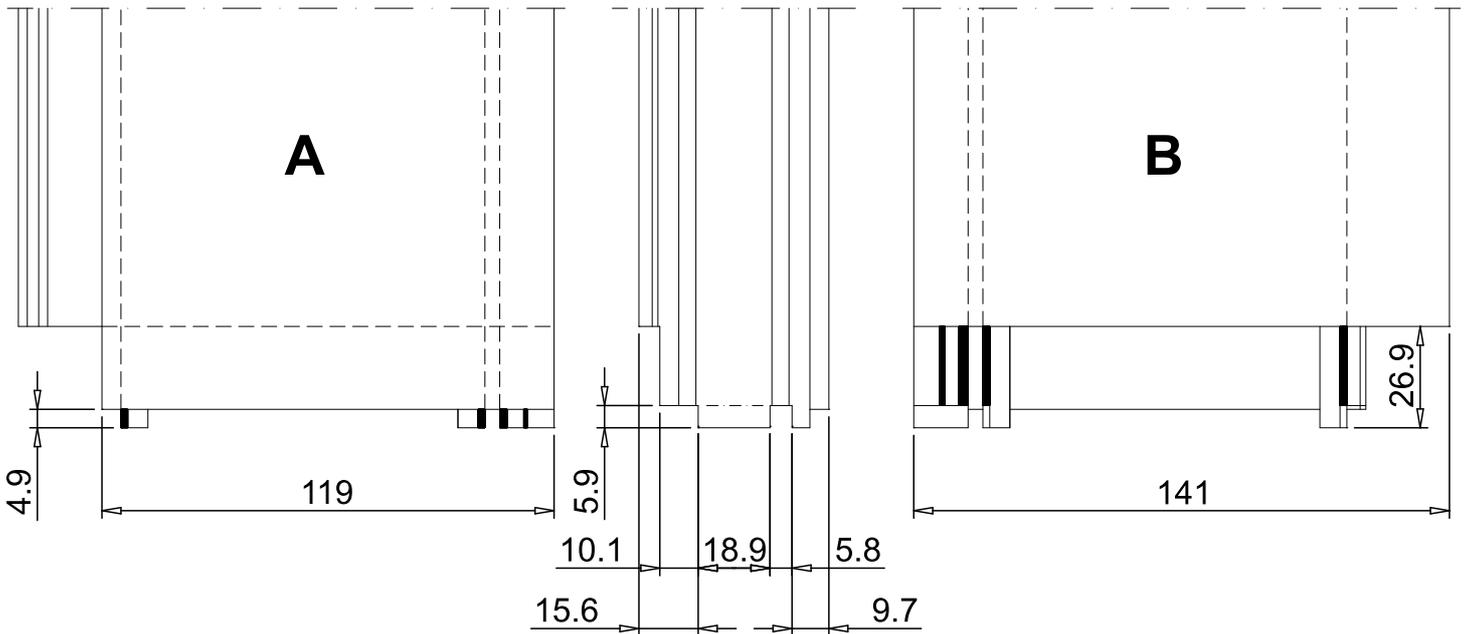
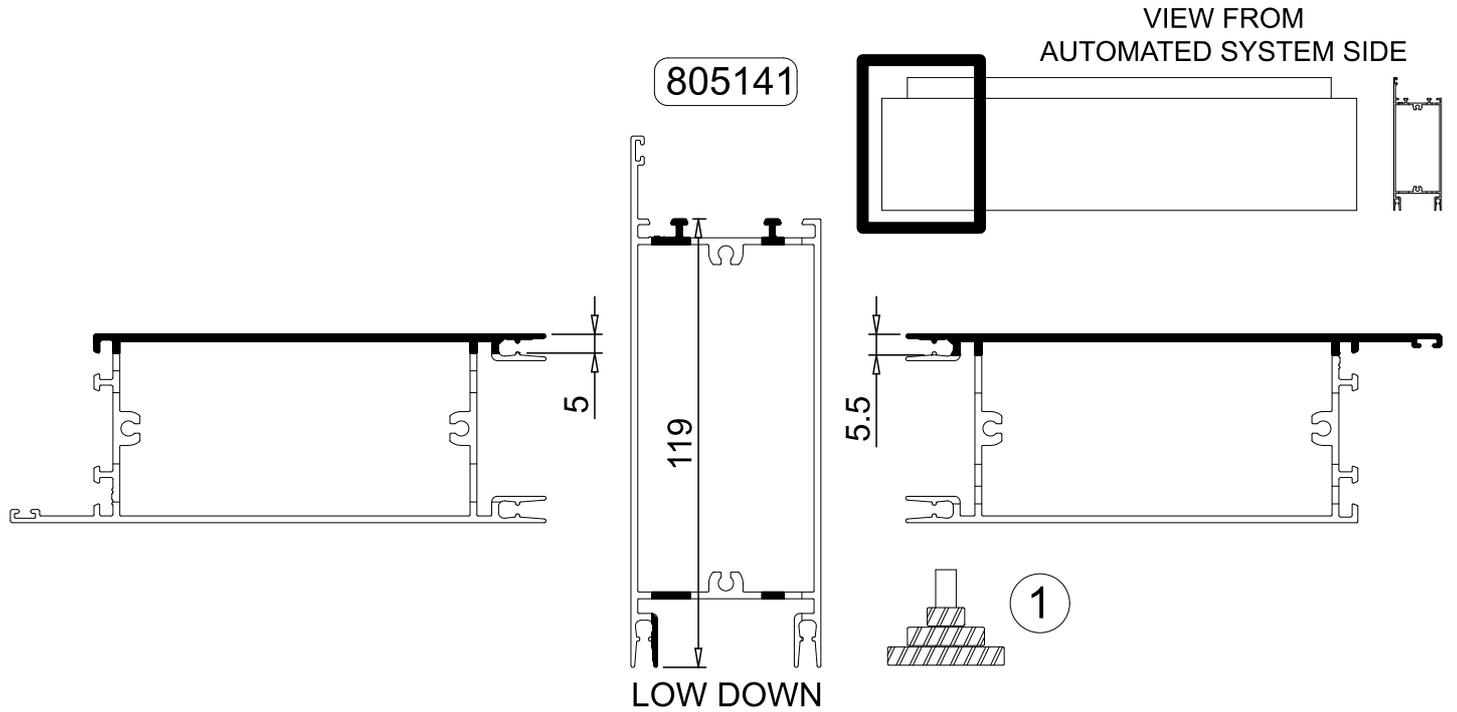


VIEW FROM AUTOMATED SYSTEM SIDE

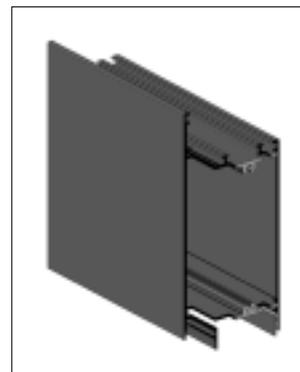


LOW DOWN

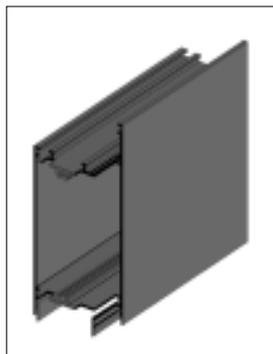
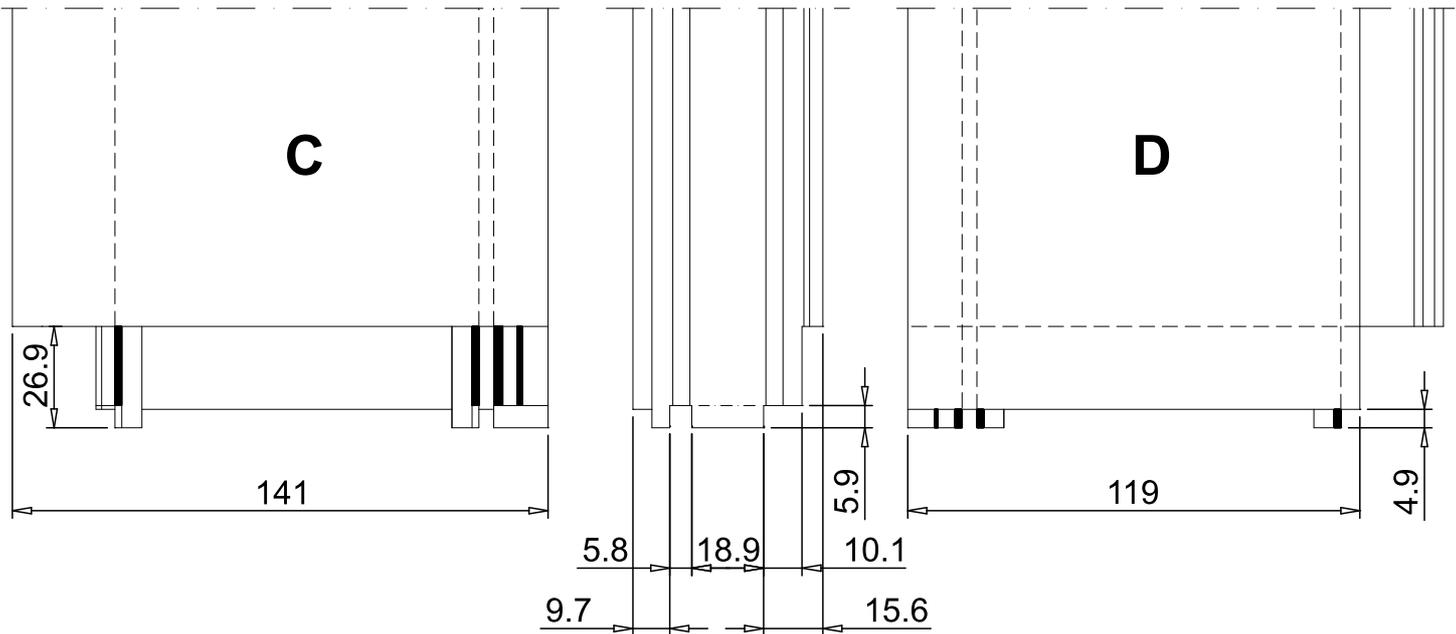
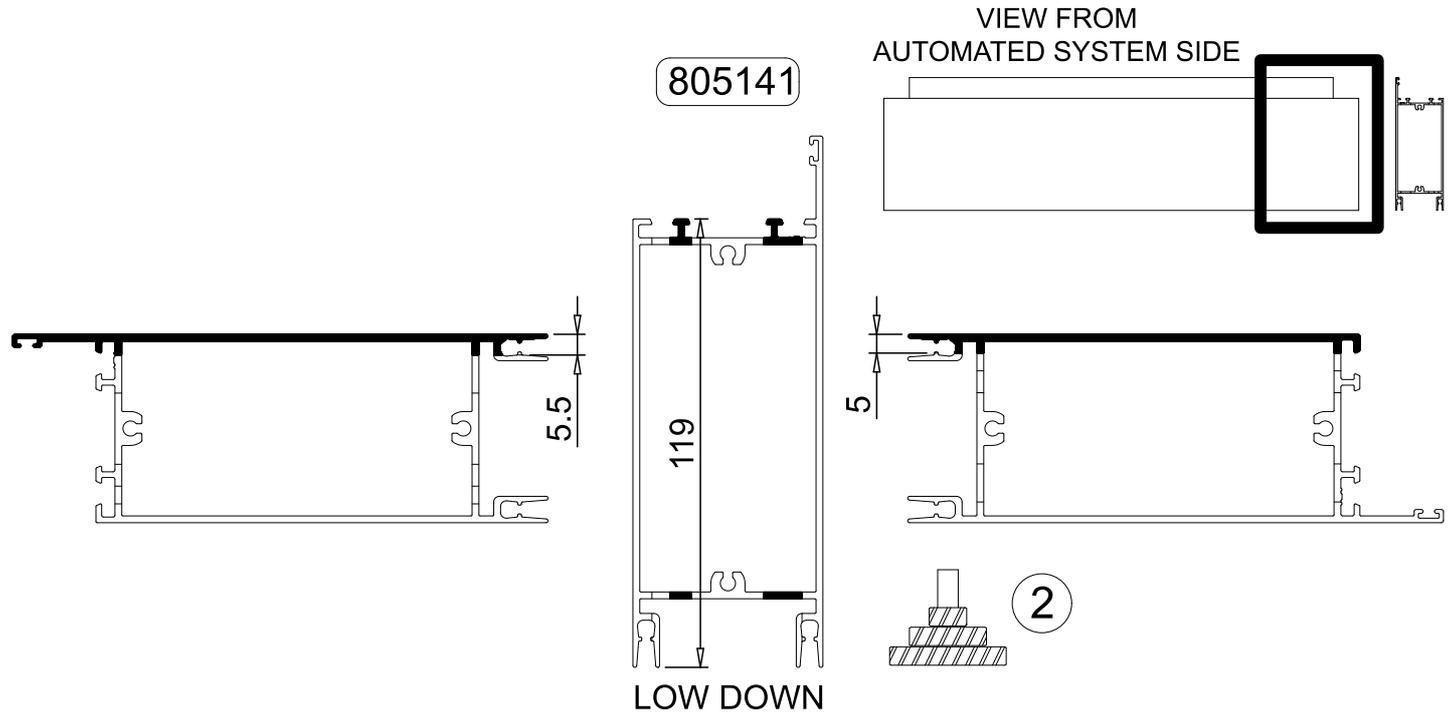
LOWER BASE FOR FIXED LEAF (805141):
1 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (FIXED LEAF LH UPRIGHT)
see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1



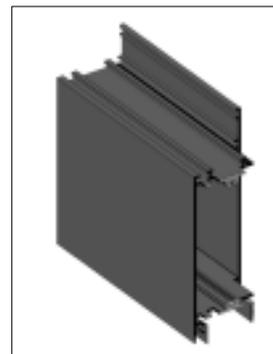
ROTATED VIEWS



LOWER BASE for FIXED LEAF (805141):
2 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (FIXED LEAF RH UPRIGHT)
see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1



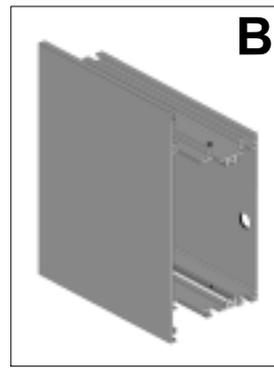
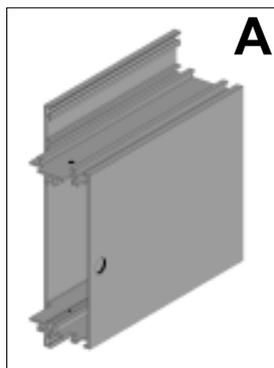
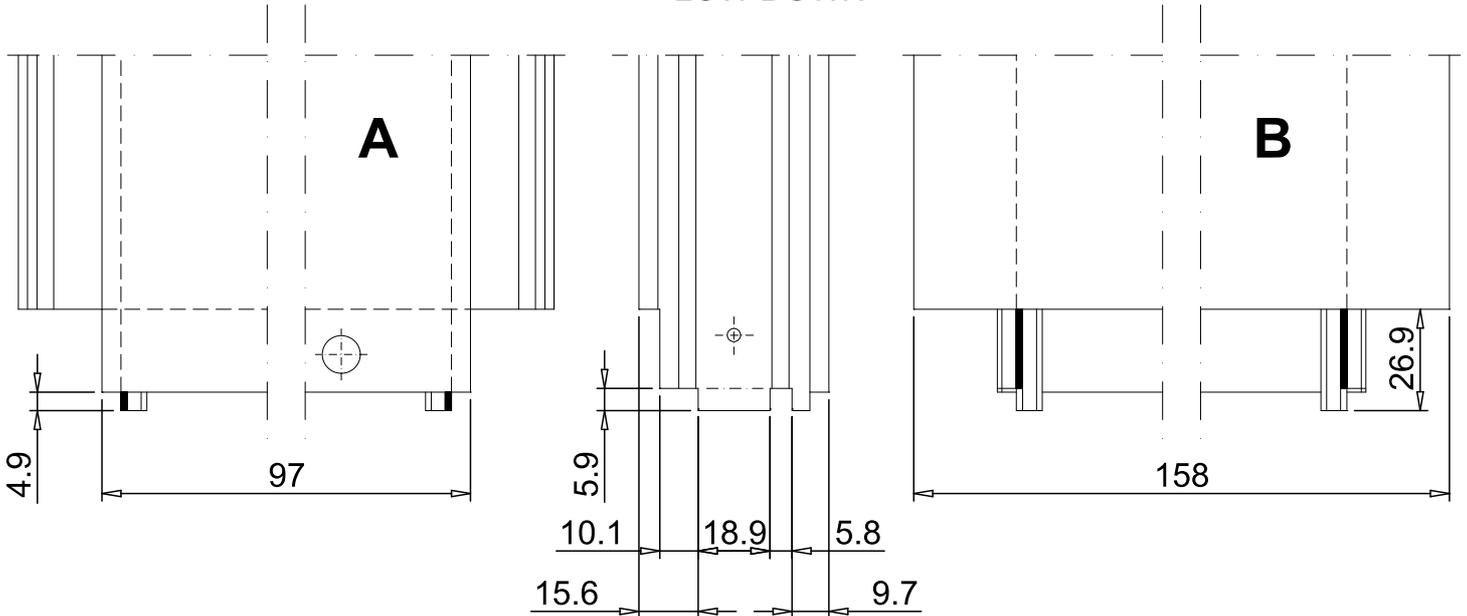
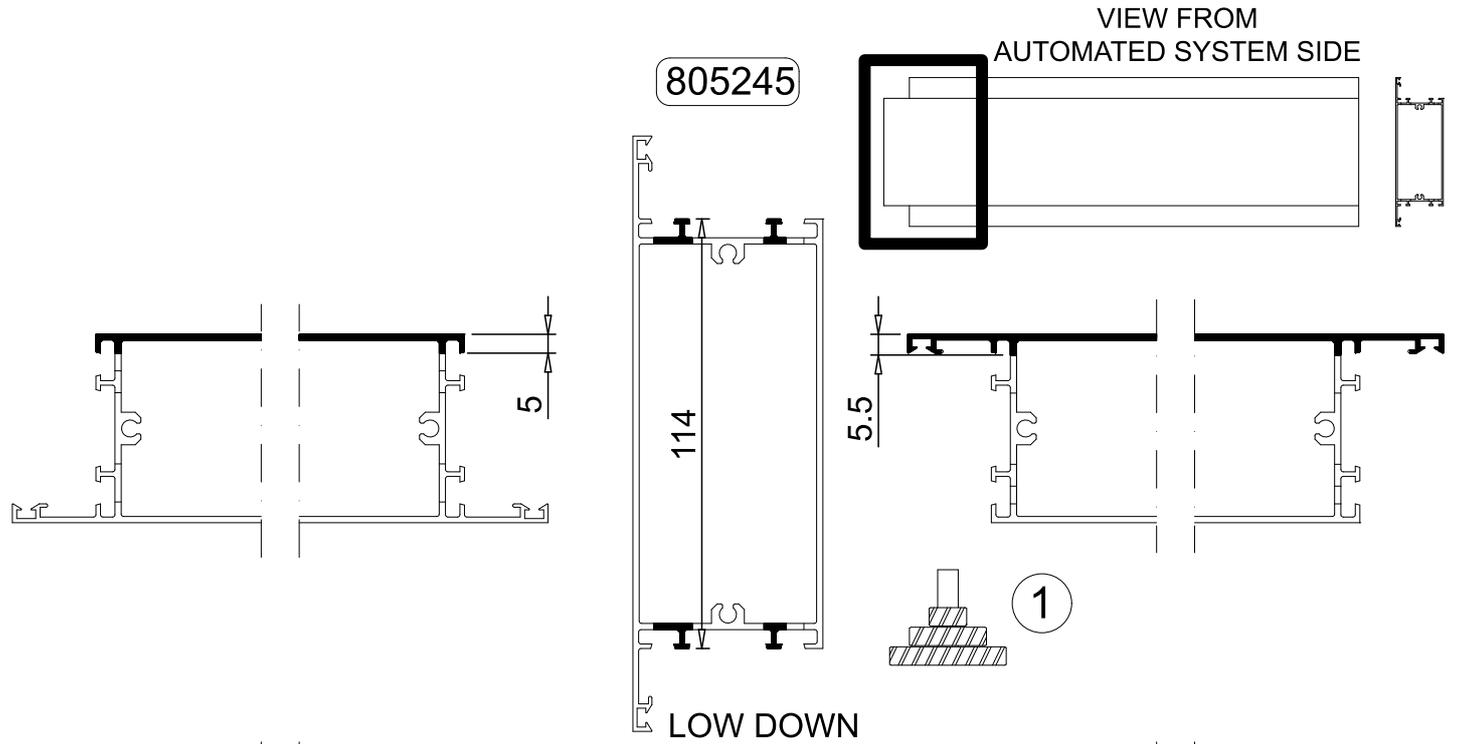
ROTATED VIEWS



UPPER BAND FOR FRAME/FIXED LEAF (805245):

1 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (FRAME/FIXED LEAF LH UPRIGHT)

see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1



ROTATED VIEWS

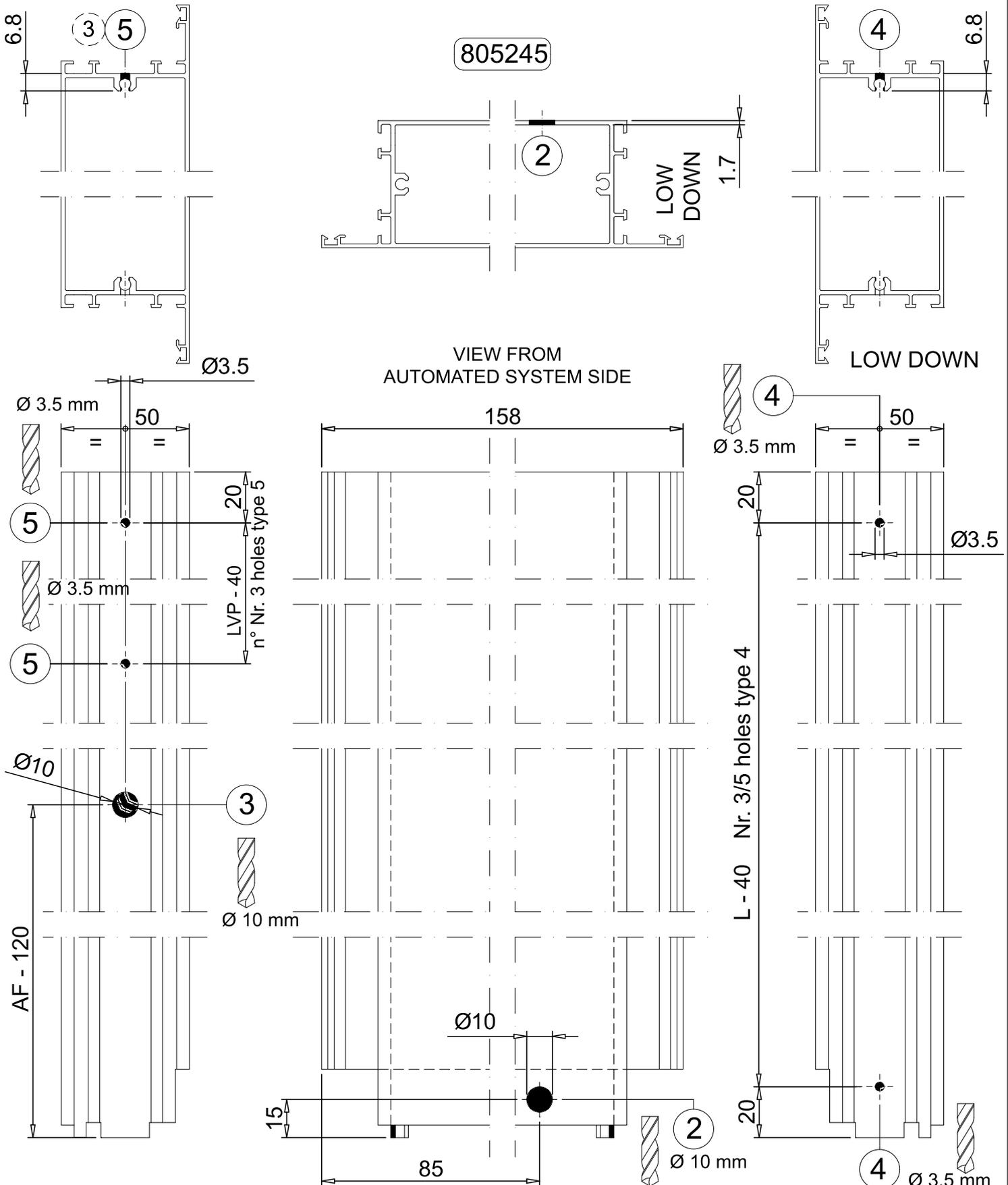
UPPER BAND for FRAME/FIXED LEAF (805245):

2 : PERFORATION FOR PASSAGE OF PHOTOCELL ELECTRIC WIRE

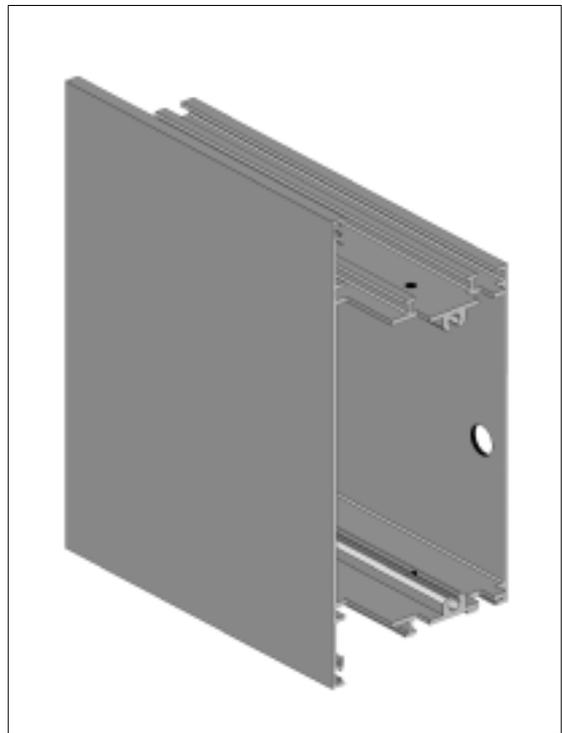
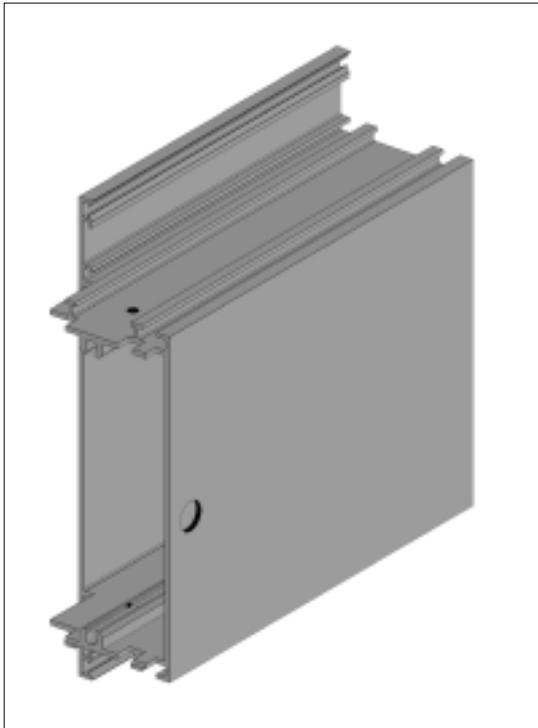
3 : PERFORATION FOR PASSAGE OF PHOTOCELL ELECTRIC WIRE

4 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 105845 (REINFORCEMENT TUBING)

5 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805225 (CLOSING PROFILE ON PASSAGE WIDTH)

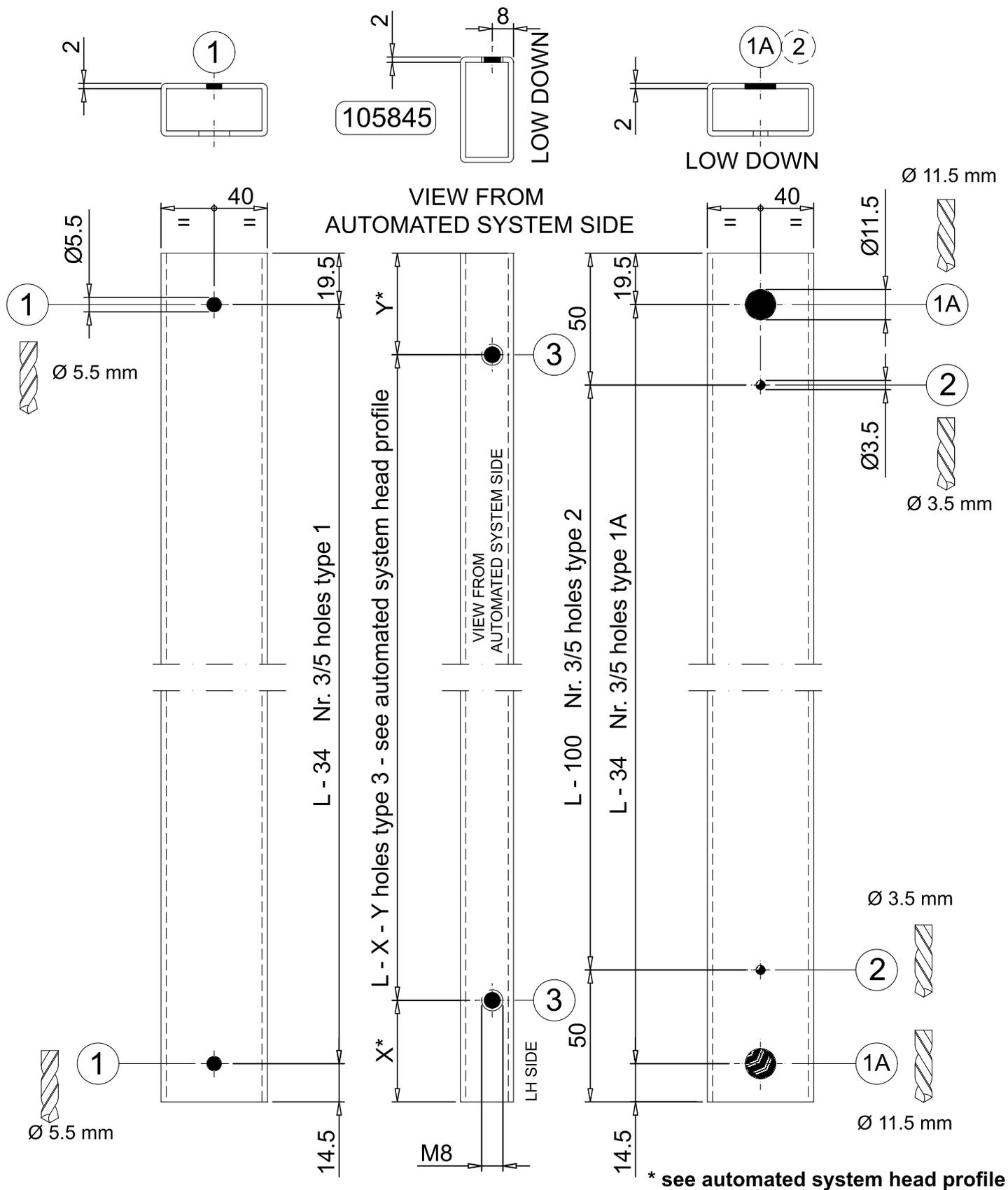


UPPER BAND for FRAME/FIXED LEAF (805245):
AXONOMETRIES



REINFORCEMENT TUBING in STEEL (105845):

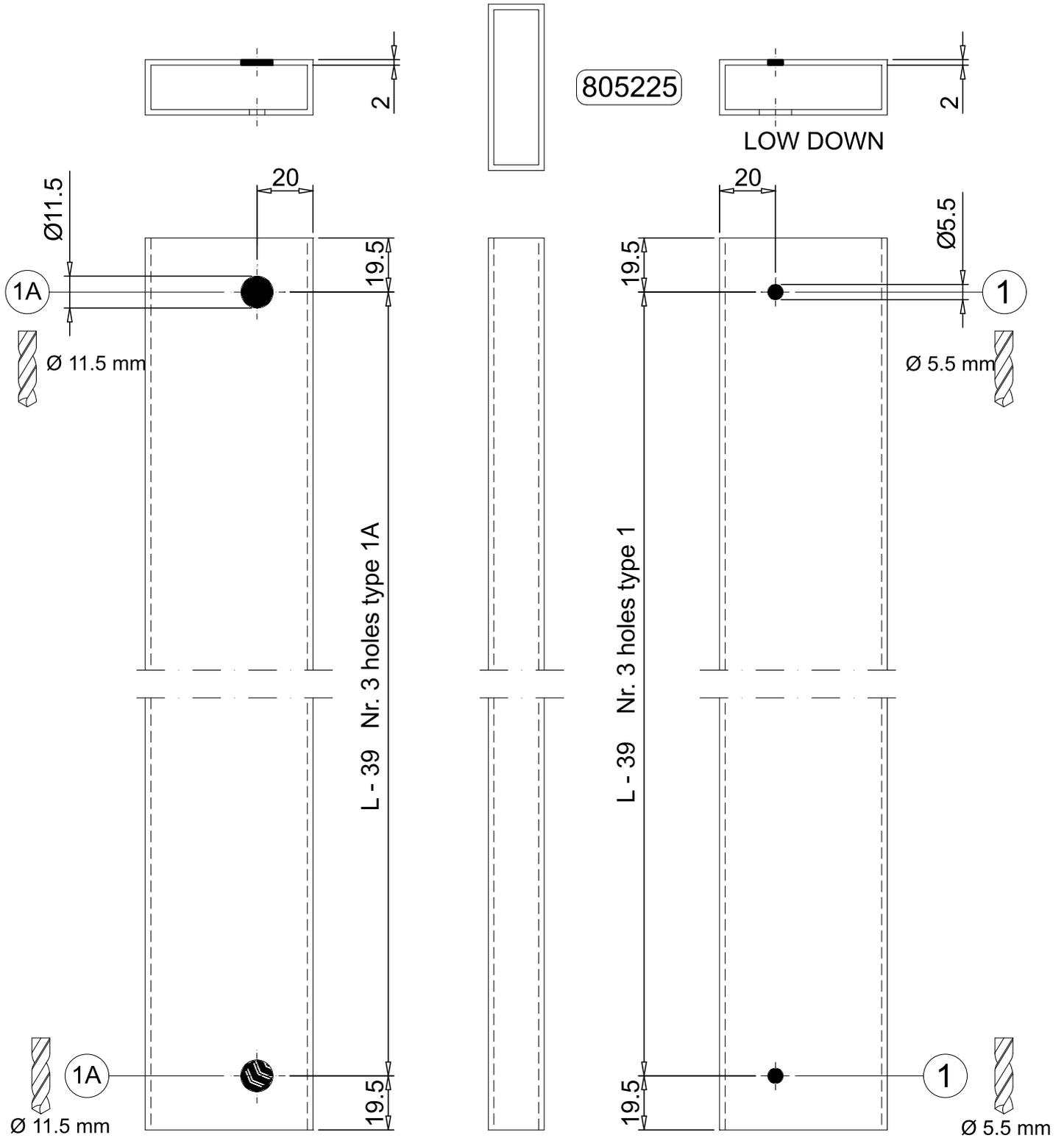
- 1 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805245 (FRAME/FIXED LEAF UPPER BAND)
- 1A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 1)
- 2 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805248 (OVER GAP LEAF LOWER CROSS BEAM)
- 3 : PERFORATION FOR INSTALLATION OF AUTOMATED SYSTEM HEAD PROFILE TYPE 930N SF



CLOSING TUBING ON PASSAGE WIDTH (805225):

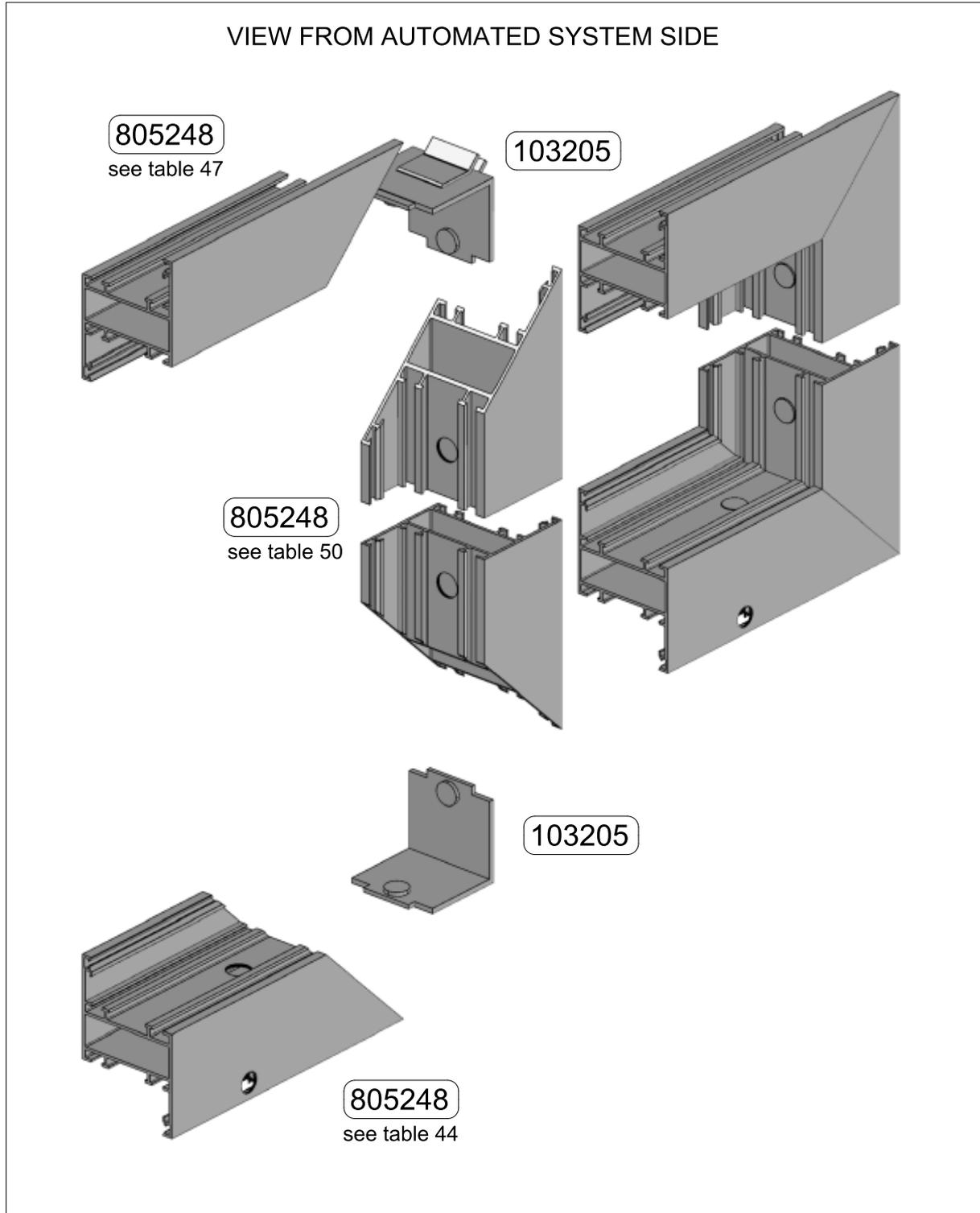
1 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805245 (FRAME/FIXED LEAF UPPER BAND)

1A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 1)



UPRIGHT FOR OVER GAP LEAF (805248):
ASSEMBLY WITH SECTIONS BARS 105827 (OVER GAP LEAF LOWER and UPPER CROSS BEAM)

VIEW FROM AUTOMATED SYSTEM SIDE



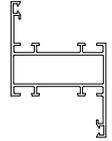
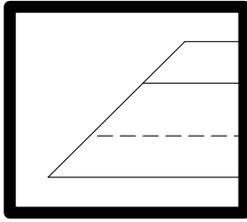
LOWER CROSS BEAM FOR OVER GAP LEAF (805248):

1 : PERFORATION FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

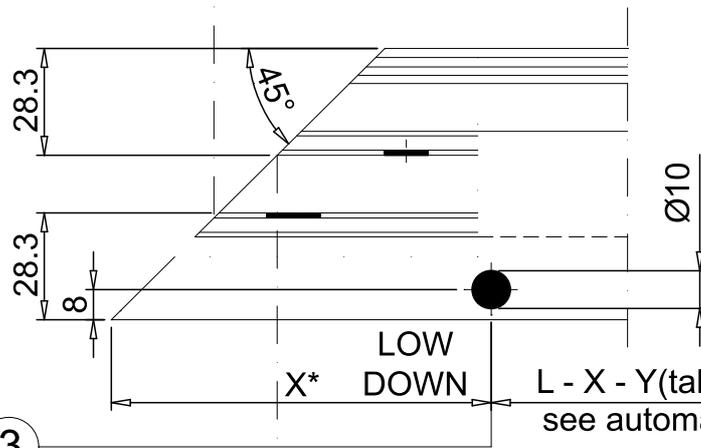
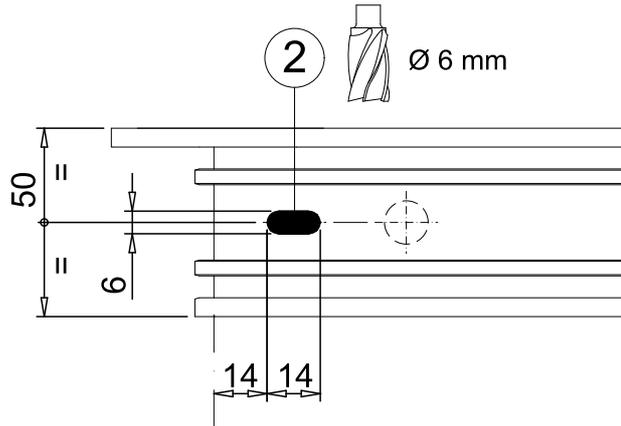
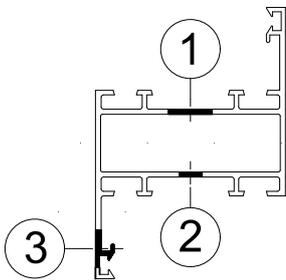
2 : MILLING FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

3 : PERFORATION FOR INSTALLATION OF AUTOMATED SYSTEM HEAD PROFILE TYPE 930N SF

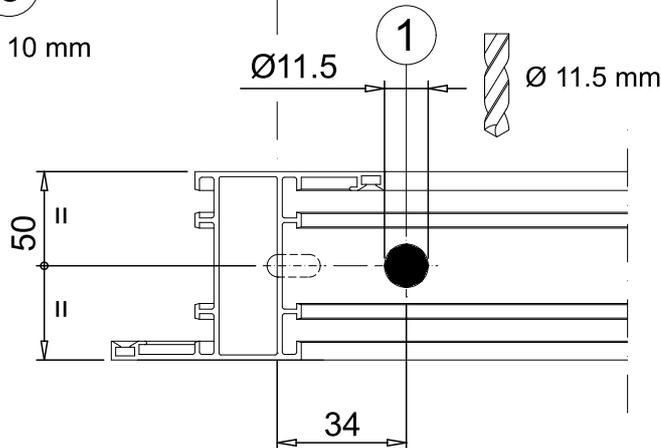
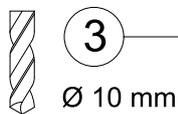
VIEW FROM AUTOMATED SYSTEM SIDE



805248



VIEW FROM AUTOMATED SYSTEM SIDE



L - X - Y(tab.45) holes type 3
see automated system head profile

* see automated system head profile

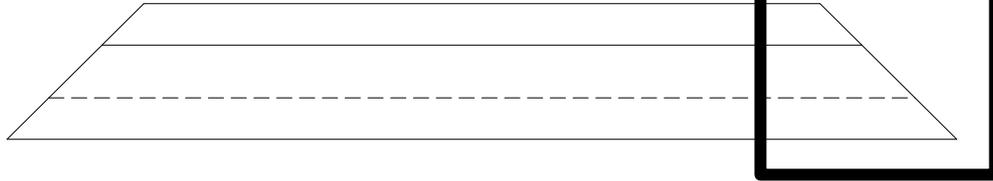
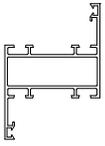
LOWER CROSS BEAM FOR OVER GAP LEAF (105827):

4 : PERFORATION FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

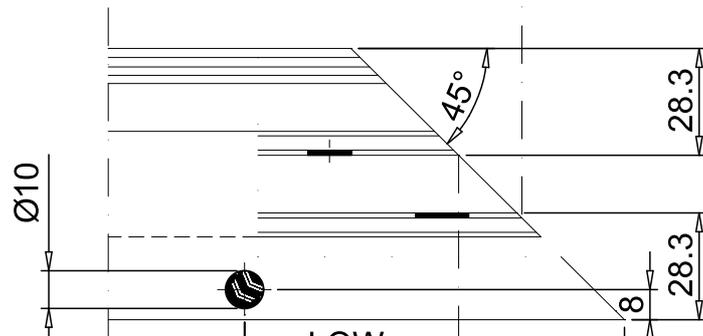
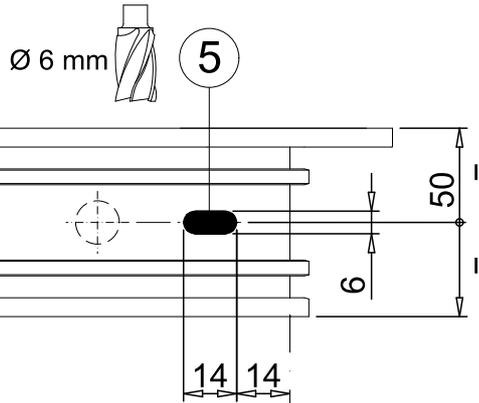
5 : MILLING FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

6 : PERFORATION FOR INSTALLATION OF AUTOMATED SYSTEM HEAD PROFILE TYPE 930N SF

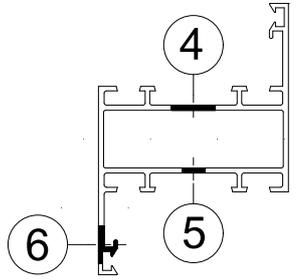
VIEW FROM AUTOMATED SYSTEM SIDE



105827

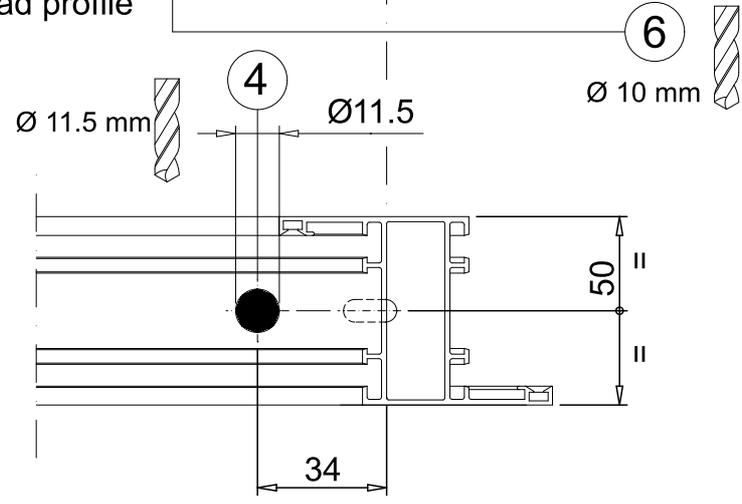


VIEW FROM AUTOMATED SYSTEM SIDE



L - Y - X(tab.44) holes type 3
see automated system head profile

LOW
DOWN Y*



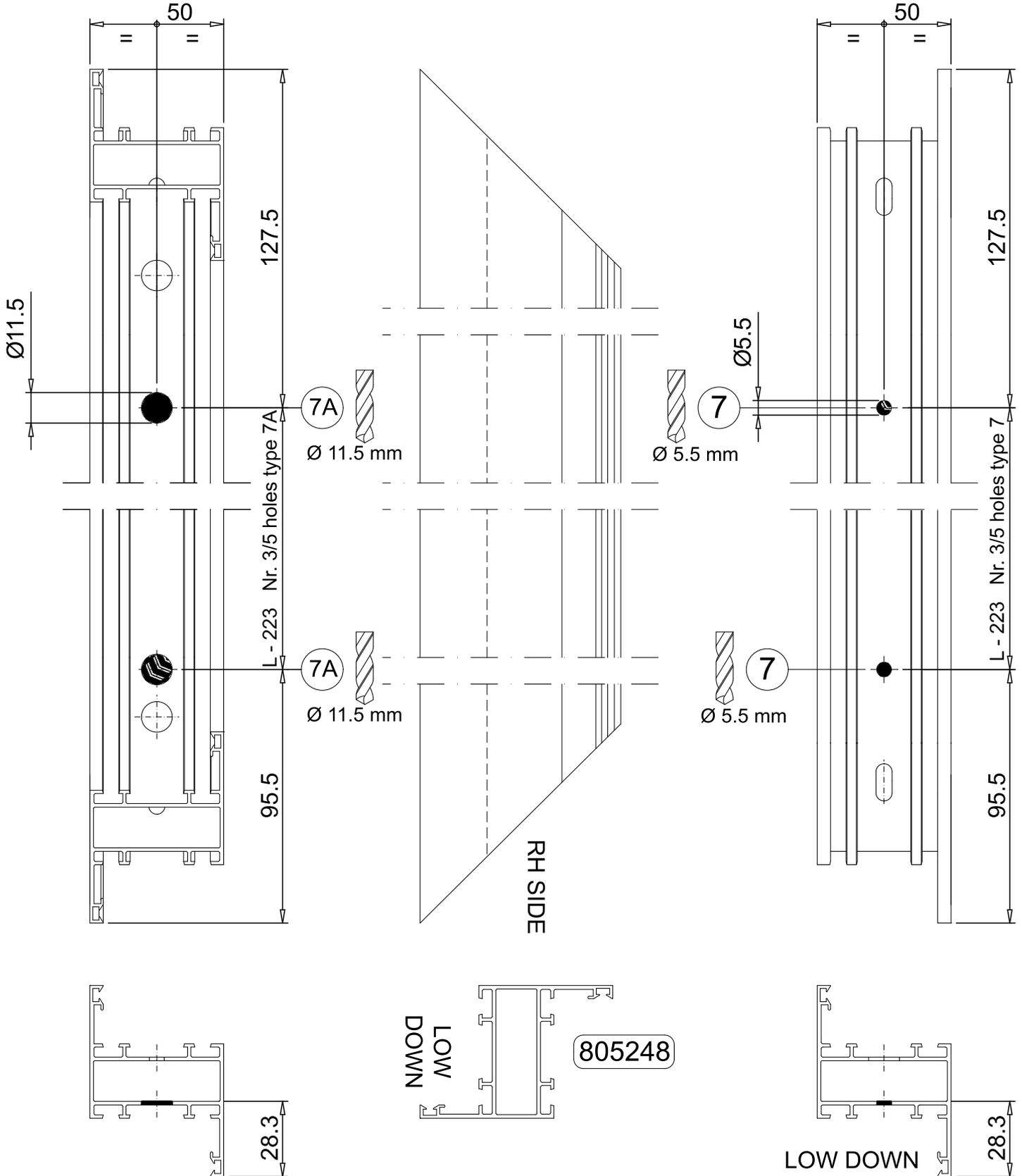
* see automated system head profile

LOWER CROSS BEAM FOR OVER GAP LEAF (805248):

7 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 105845 (REINFORCEMENT TUBING)

7A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 7)

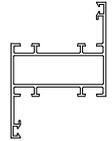
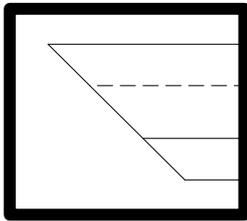
VIEW FROM AUTOMATED SYSTEM SIDE



UPPER CROSS BEAM FOR OVER GAP LEAF (805248):

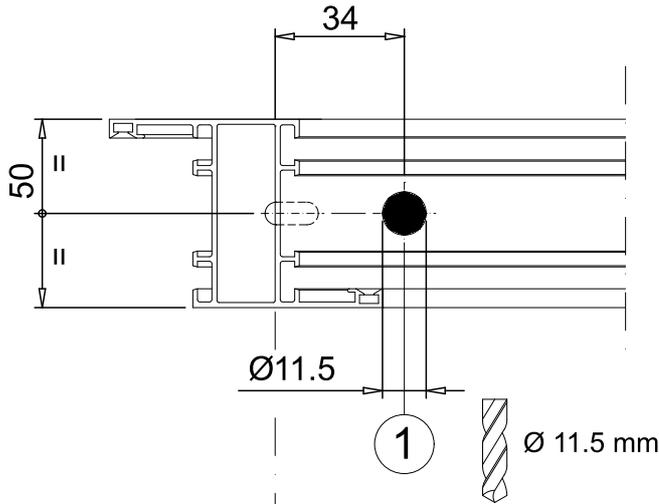
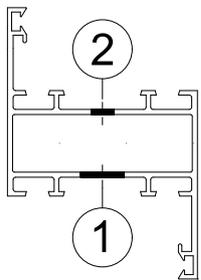
- 1 : PERFORATION FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)
- 2 : MILLING FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

VIEW FROM AUTOMATED SYSTEM SIDE

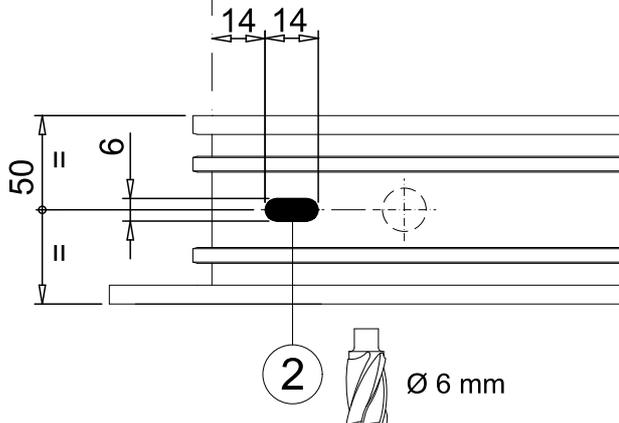
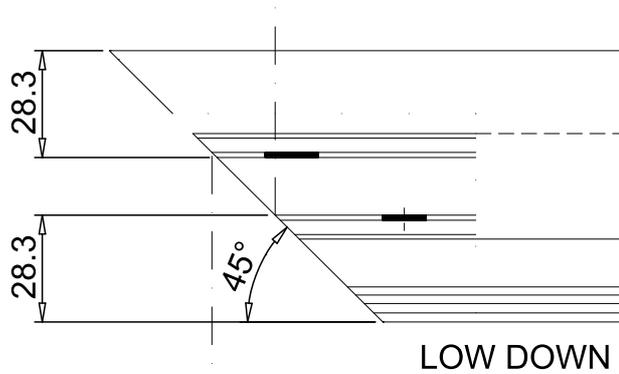


ROTATED VIEW

805248



VIEW FROM AUTOMATED SYSTEM SIDE

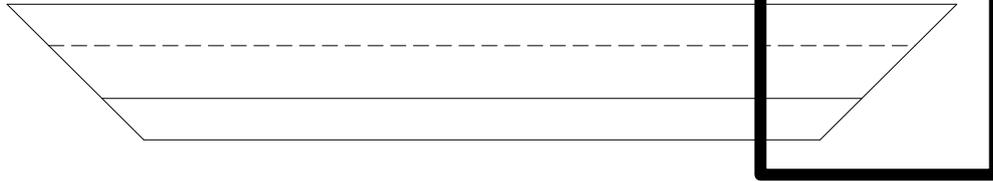
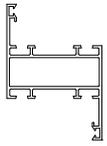


UPPER CROSS BEAM FOR OVER GAP LEAF (805248):

3 : PERFORATION FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

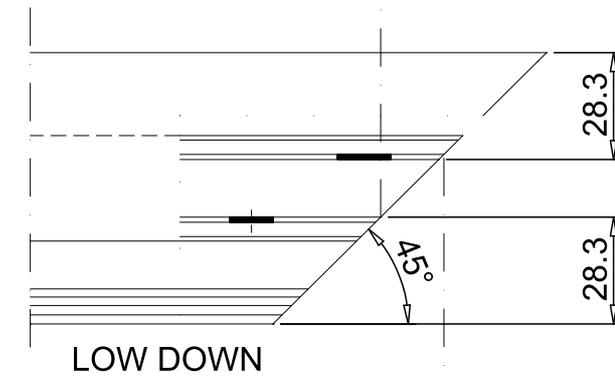
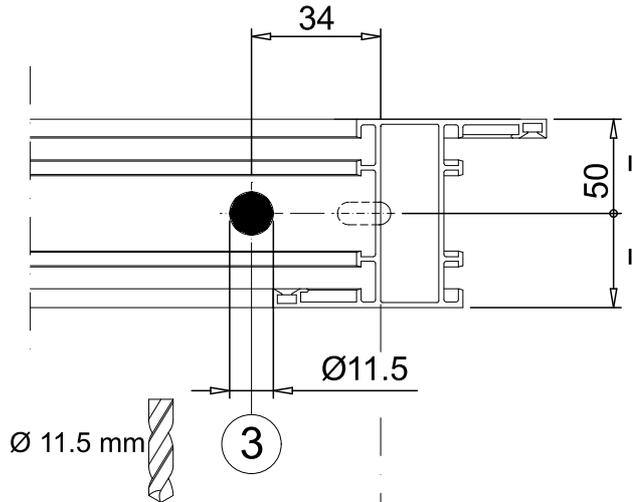
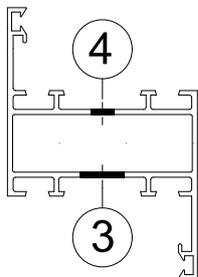
4 : MILLING FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

VIEW FROM AUTOMATED SYSTEM SIDE

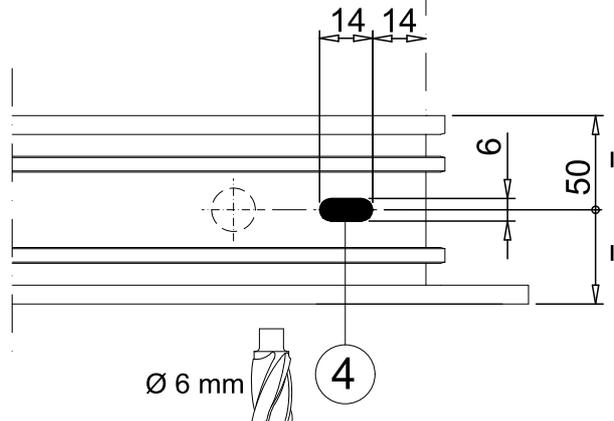


ROTATED VIEW

805248



VIEW FROM
AUTOMATED SYSTEM SIDE



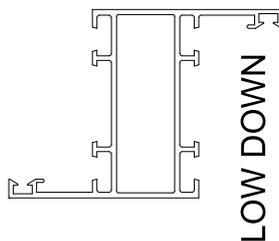
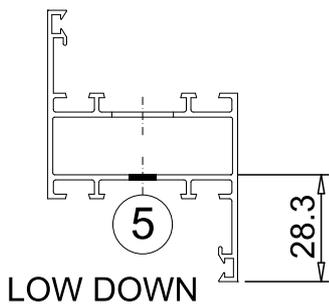
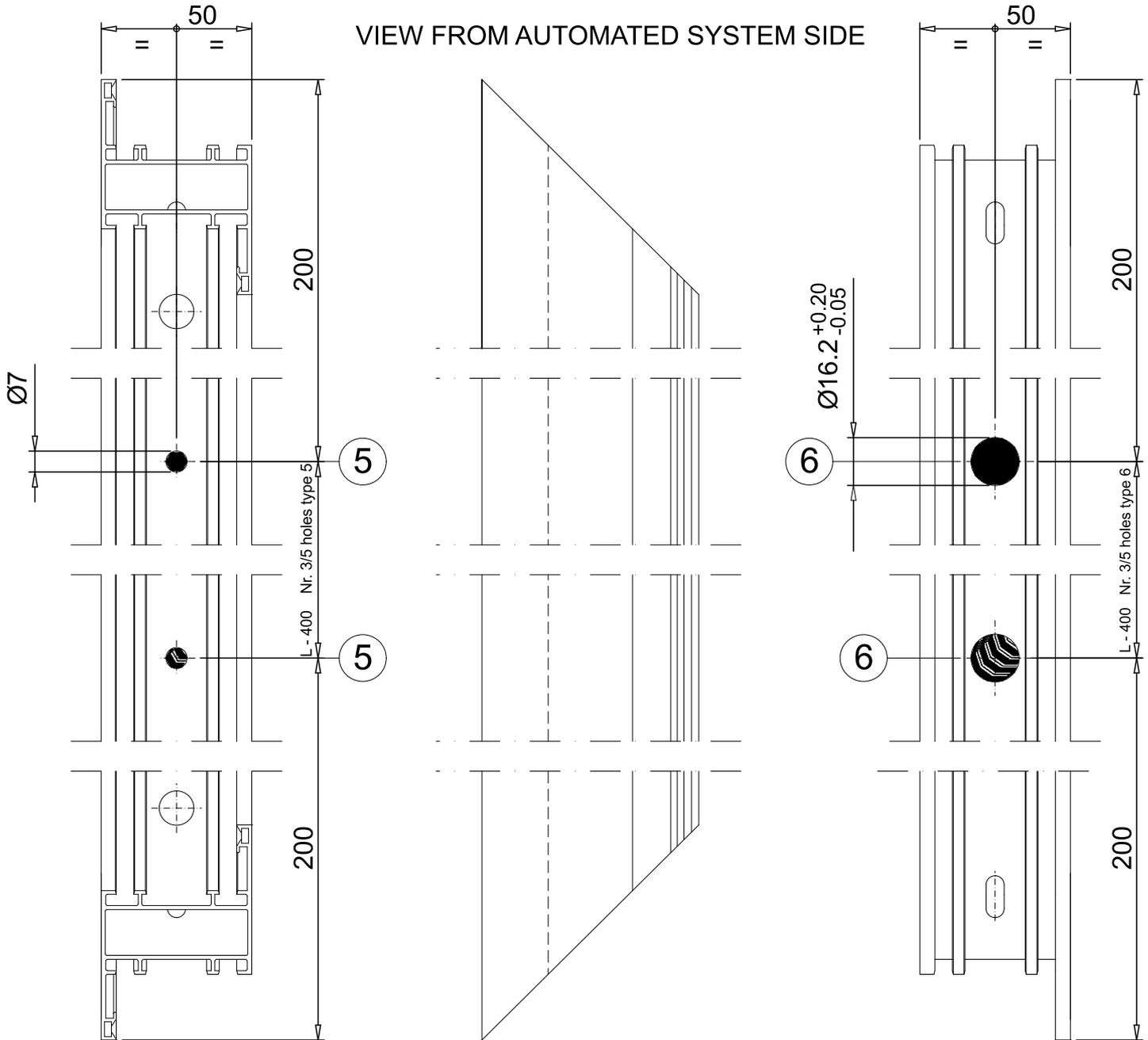
UPPER CROSS BEAM FOR OVER GAP LEAF (805248):

5 : PERFORATION FOR INSTALLATION OF SCREW FOR ACCESSORY 103214 (SECURING COMPENSATOR)

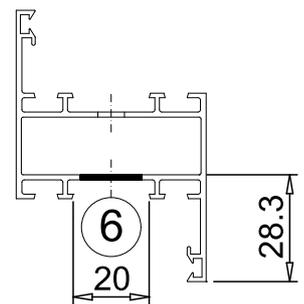
6 : PERFORATION FOR INSTALLATION OF ACCESSORY 103214 (SECURING COMPENSATOR)

IMPORTANT : ONLY FOR ACCESSORY 103214

VIEW FROM AUTOMATED SYSTEM SIDE



805248

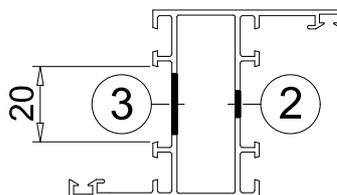
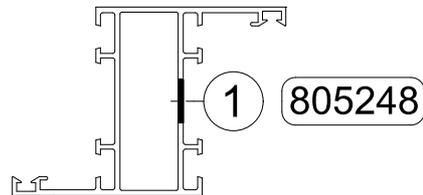
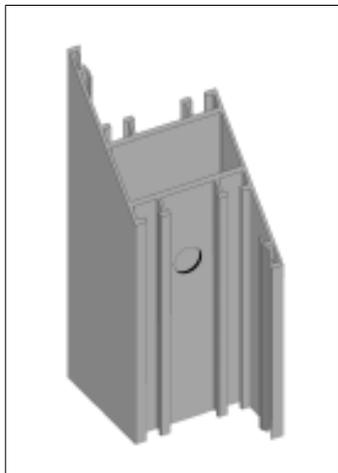
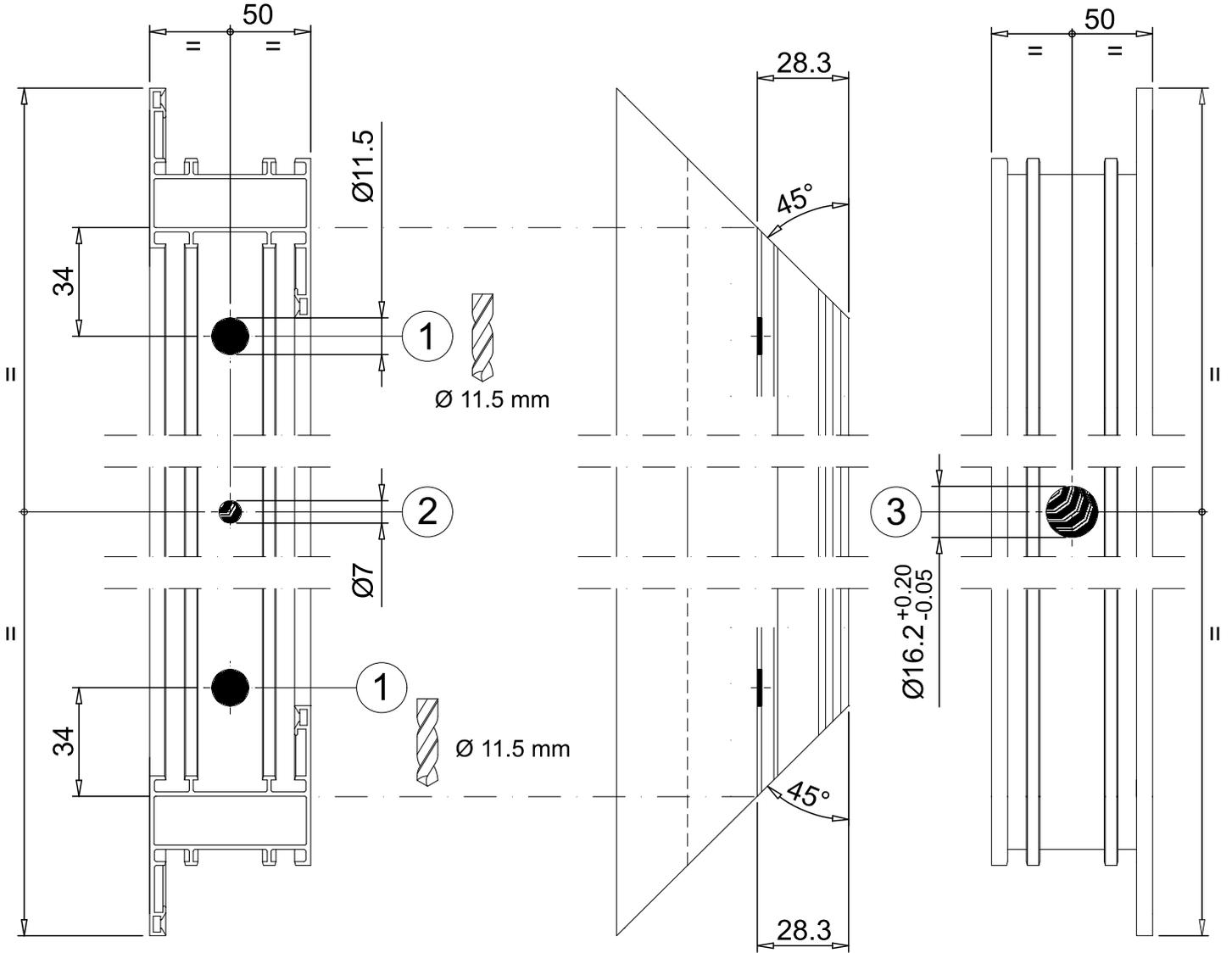


LH/RH UPRIGHT FOR OVER GAP LEAF (805248):

- 1 : PERFORATION FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)
- 2 : PERFORATION FOR INSTALLATION OF SCREW FOR ACCESSORY 103214 (SECURING COMPENSATOR)*
- 3 : PERFORATION FOR INSTALLATION OF ACCESSORY 103214 (SECURING COMPENSATOR)*

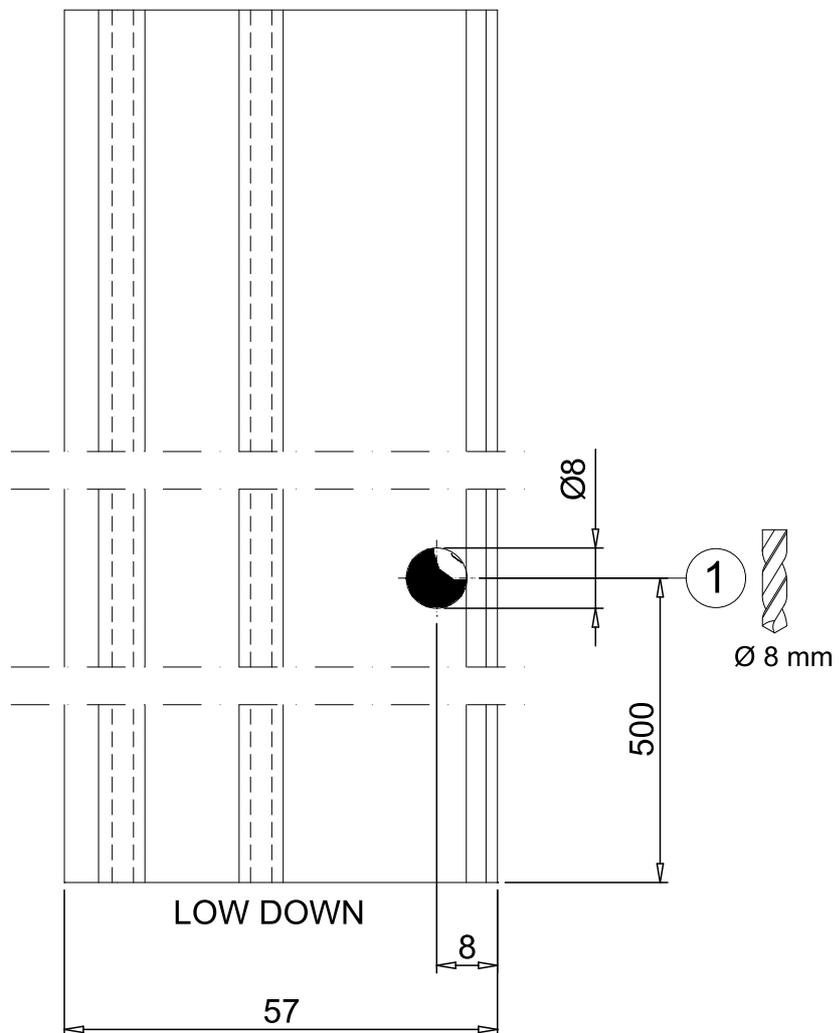
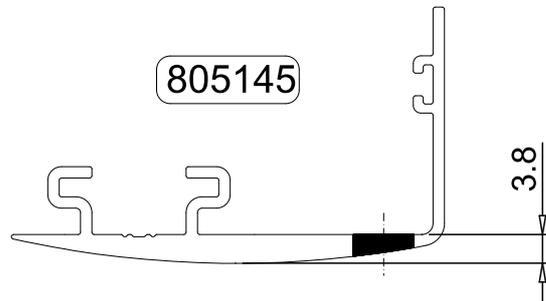
***IMPORTANT : ONLY FOR ACCESSORY 103214**

VIEW FROM AUTOMATED SYSTEM SIDE



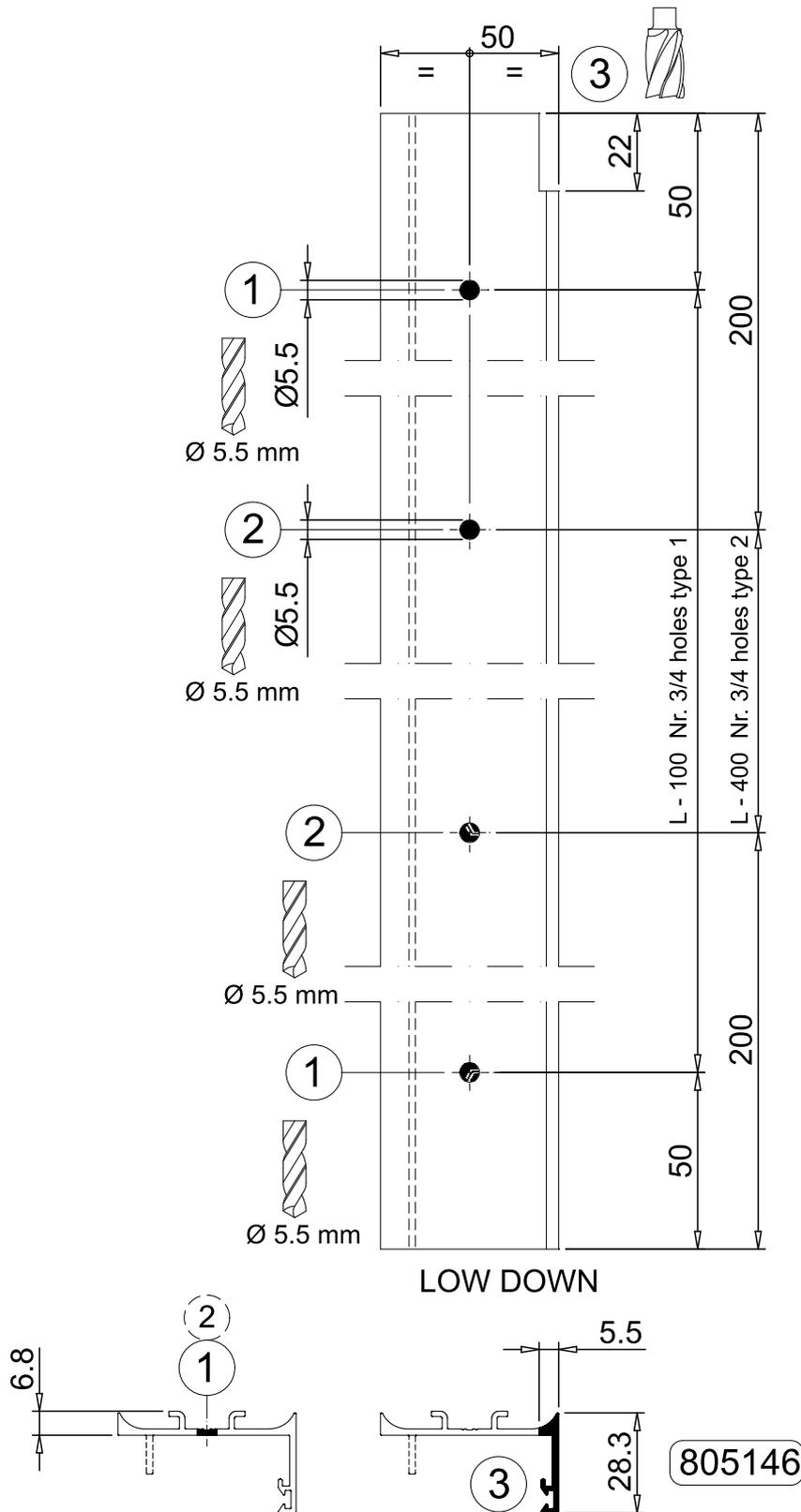
LABYRINTH PROFILE for FIXED LEAF (805145):

1 : PERFORATION FOR INSTALLATION OF ACCESSORY 103209 (PHOTOCELL BRACKET KIT)

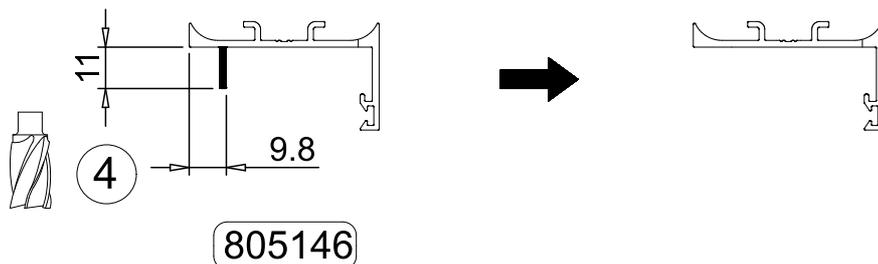
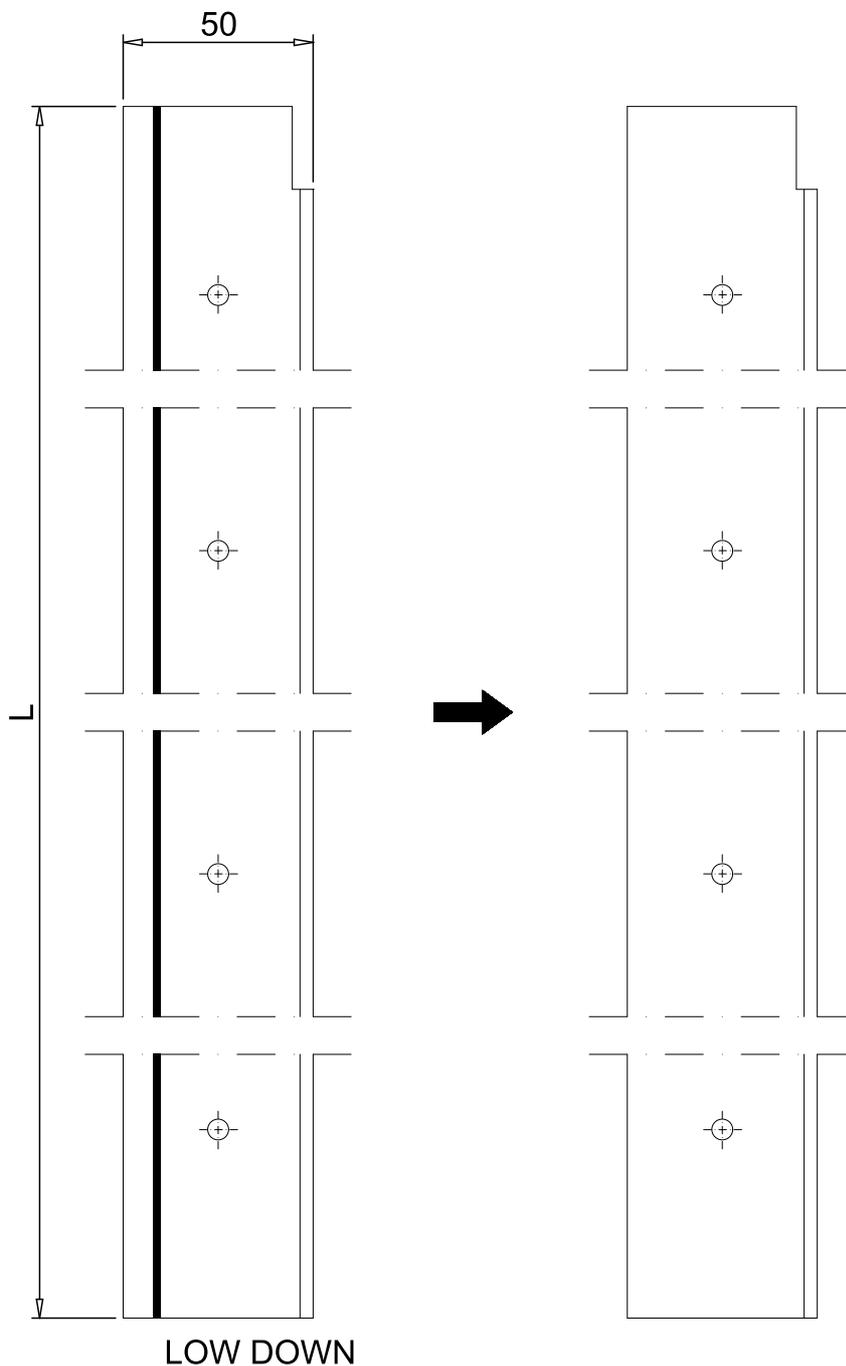


CONTACT POINT PROFILE for FRAME/FIXED LEAF LH UPRIGHT (805146):

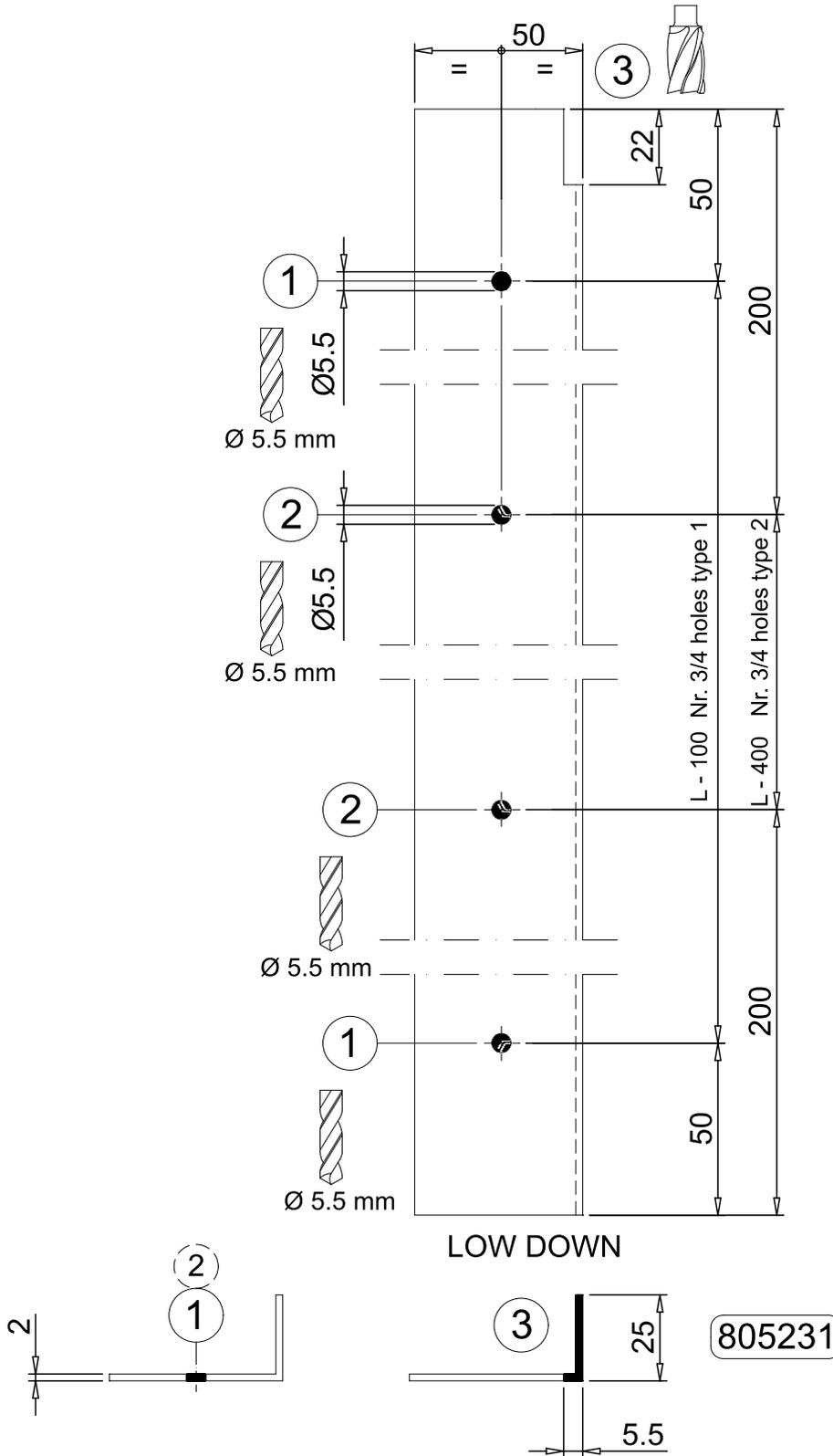
- 1 : PERFORATION FOR SECURING TO SECTION BAR 805143 (FRAME/FIXED LEAF LH UPRIGHT)
- 2 : PERFORATION FOR SECURING SCREW TO WALL
- 3 : MILLING FOR ASSEMBLY WITH PROFILE 105827 (OVER GAP LEAF LOWER CROSS BEAM)



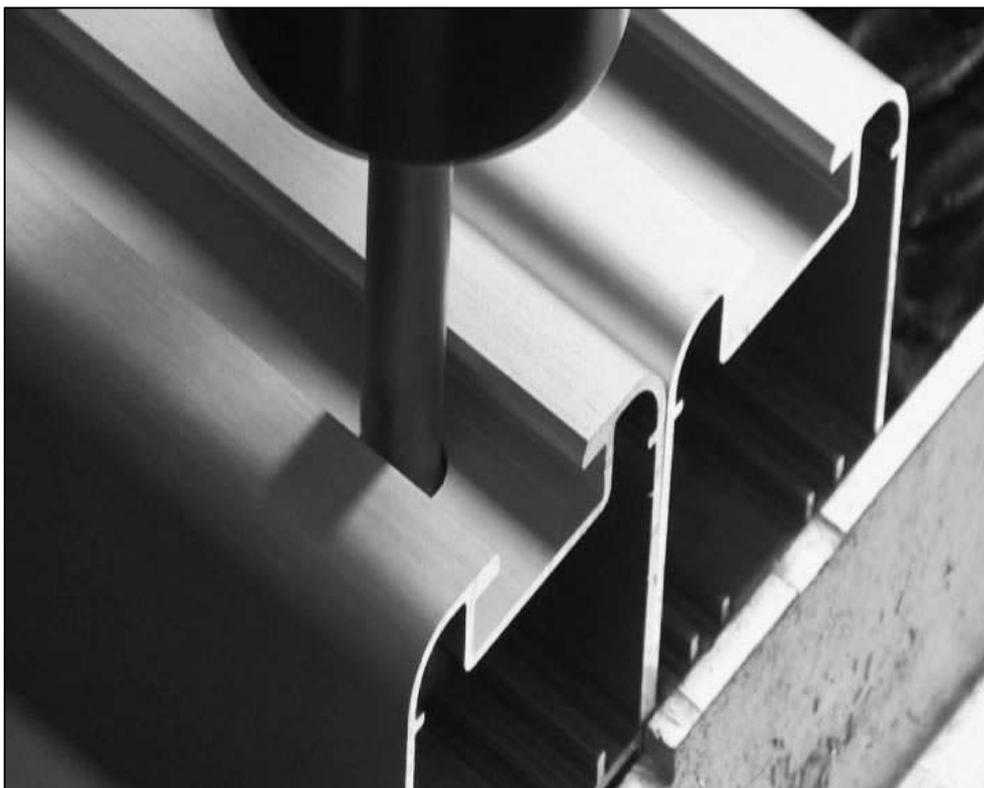
CONTACT POINT PROFILE for FRAME/FIXED LEAF LH UPRIGHT (805146):
4 : MILLING TO ELIMINATE EXTRUDED DENTIL



- CONTACT POINT ANGLED ELEMENT for FRAME RH UPRIGHT (805231) :**
 1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805226 (FRAME RH UPRIGHT)
 2 : PERFORATION FOR SECURING SCREW TO WALL
 3 : MILLING FOR ASSEMBLY WITH PROFILE 805248 (OVER GAP LEAF LOWER CROSS BEAM)



MACHINING OPERATIONS FOR SECTION BARS

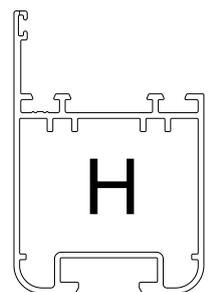
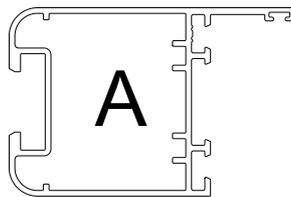
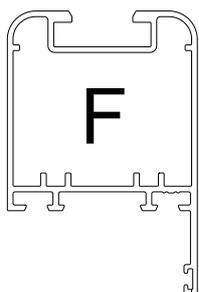
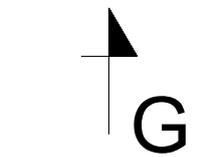
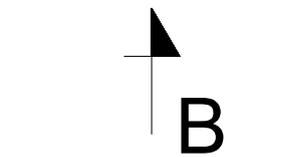
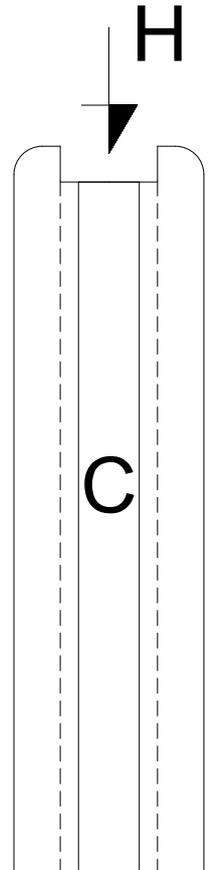
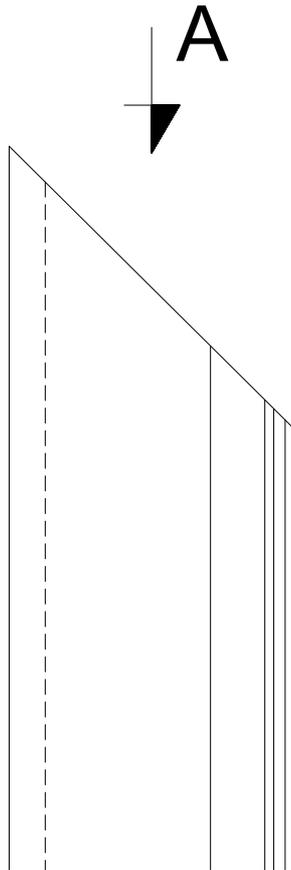
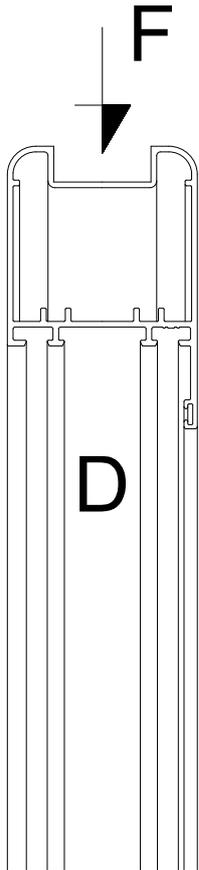
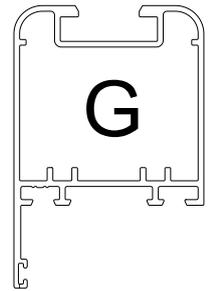
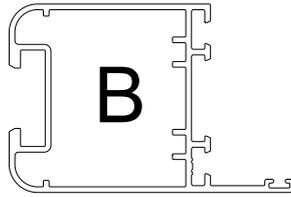
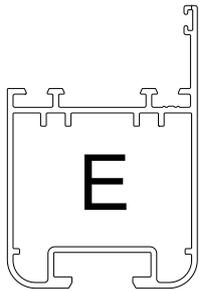


- VERSION WITH BREAK-THROUGH ANTIPANIC
REF. DRAW. Nr. 23

	CODE	REFERENCE	TAB.
MOBILE LEAF	805143	LH upright for mobile leaf	56-57 58-59
	805143	RH upright for mobile leaf	60-61
	805143	RH upright for bolt mobile leaf (not for U.S.)	62
	805143	RH upright for lock mobile leaf	63-64
	805147	Upper cross beam for mobile leaf	66-67 68-69
	805141	Lower base for mobile leaf	71-72-73
SEMI-FIXED LEAF	805143	LH upright for semi-fixed leaf	74-75-76
	805143	RH upright for semi-fixed leaf	77-78-79
	805147	Upper cross beam for semi-fixed leaf	81-82-83
	805141	Lower base for semi-fixed leaf	85-86
	805145	Labyrinth profile for semi-fixed leaf	87
	805142	Half circle profile for semi-fixed leaf	88
FRAME	805247	LH upright for frame	89-90
	805148	Door-felt covering profile	91
	805226	RH upright for frame	92-93
	805228	Contact tubing for frame RH upright	94
	805245	Frame band	96-97-98
	105845	Reinforcement tubing	99
	805251	Brush carrier profile	100
	805231	Contact point angled element for frame RH upright	109
	805231	Contact point angled element for over gap leaf upper cross beam	110
OVER GAP LEAF	805249	Lower cross beam for over gap leaf	102-103- 104
	805247	Upper cross beam for over gap leaf	105-106- 107
	805247	RH/LH upright for over gap leaf	108

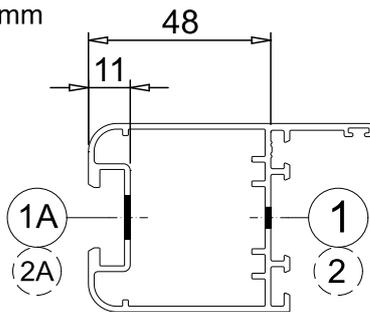
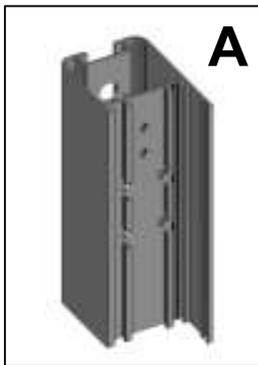
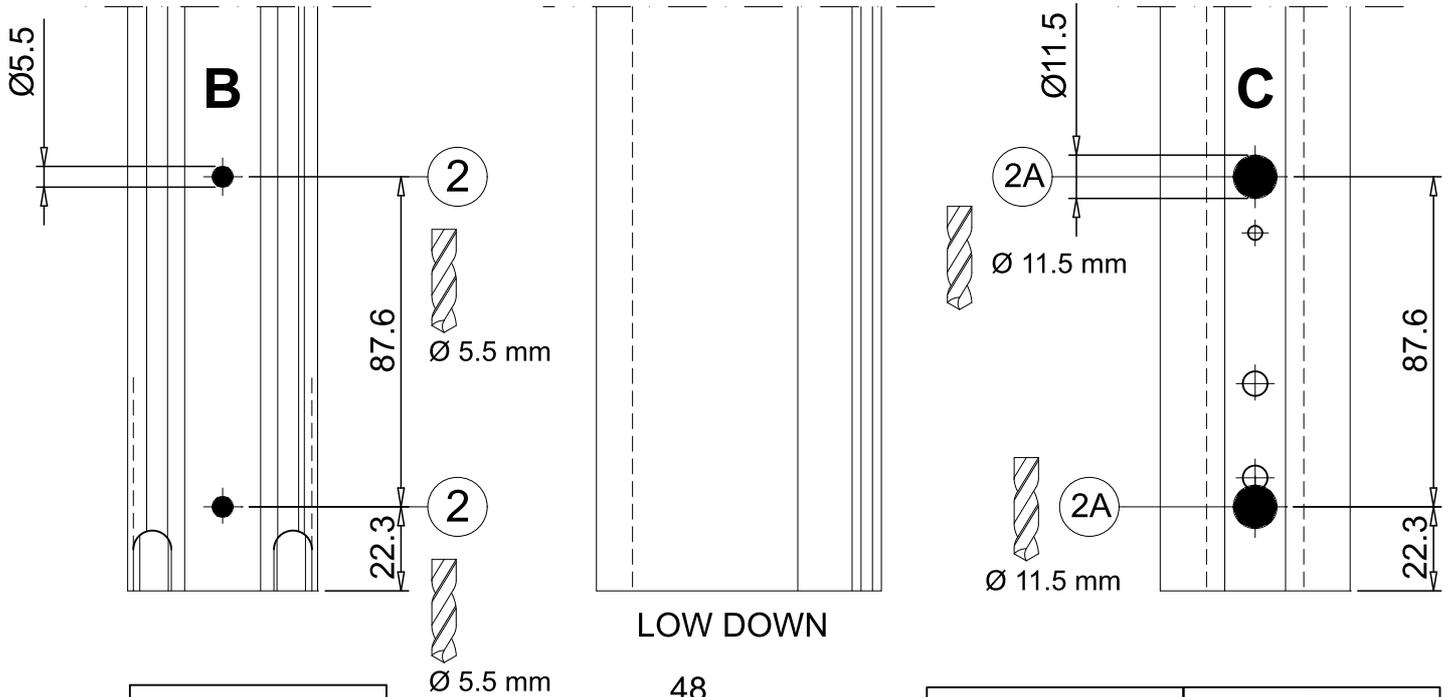
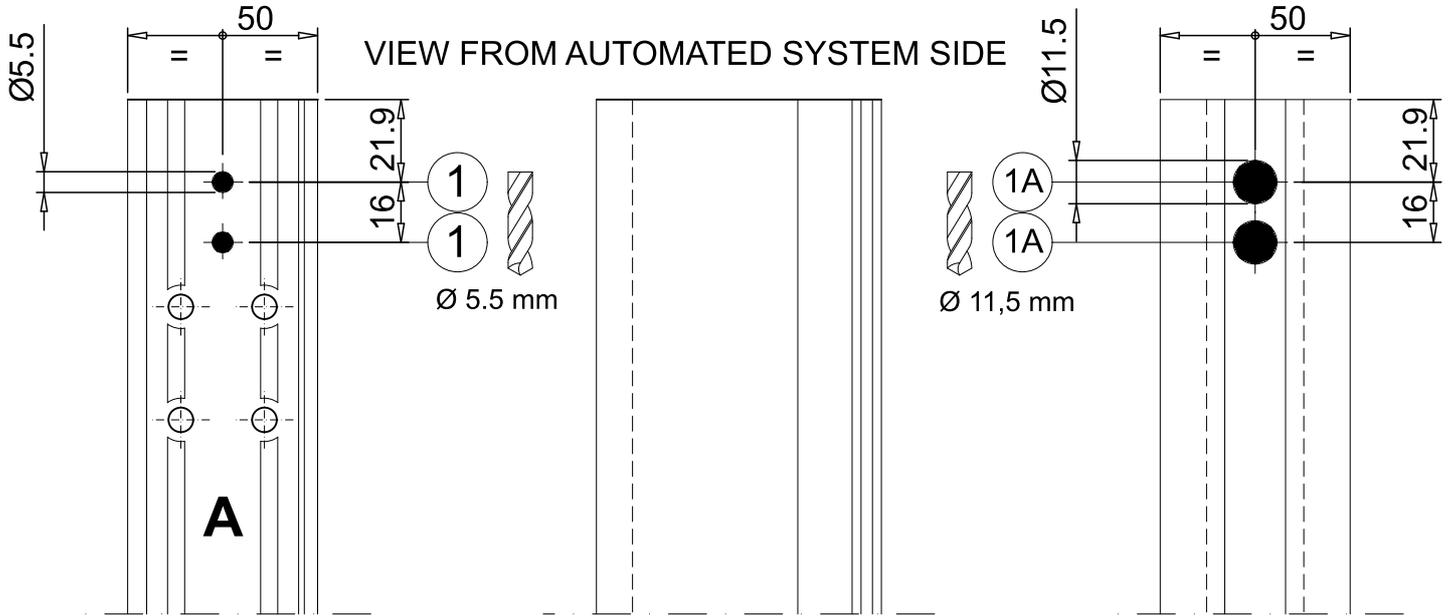
	CODE	REFERENCE	TAB.
EXPLODED VIEWS - ASSEMBLY	805147- 805143	Mobile leaf upper cross beam- Mobile leaf upright	65
	805141- 805143	Mobile leaf lower base - Mobile leaf upright	70
	805147- 805143	Semi-fixed leaf upper cross beam - Semi-fixed leaf upright	80
	805141- 805143	Semi-fixed leaf upper cross beam - Semi-fixed leaf upright	84
	805247 805245	Frame RH upright- Frame band	95
	805247- 805247/ 805249	Over gap leaf upright - Upper and lower over gap leaf	101

DRAWING VIEW LEGEND

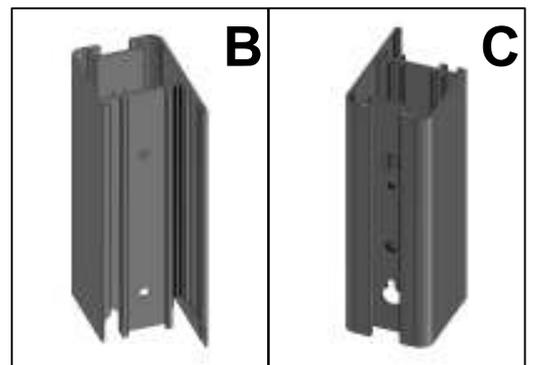


LH UPRIGHT FOR MOBILE LEAF (805143):

- 1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805147 (MOBILE LEAF UPPER CROSS BEAM)
- 2 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805141 (MOBILE LEAF LOWER BASE)
- 1A and 2A: PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see points 1 and 2)



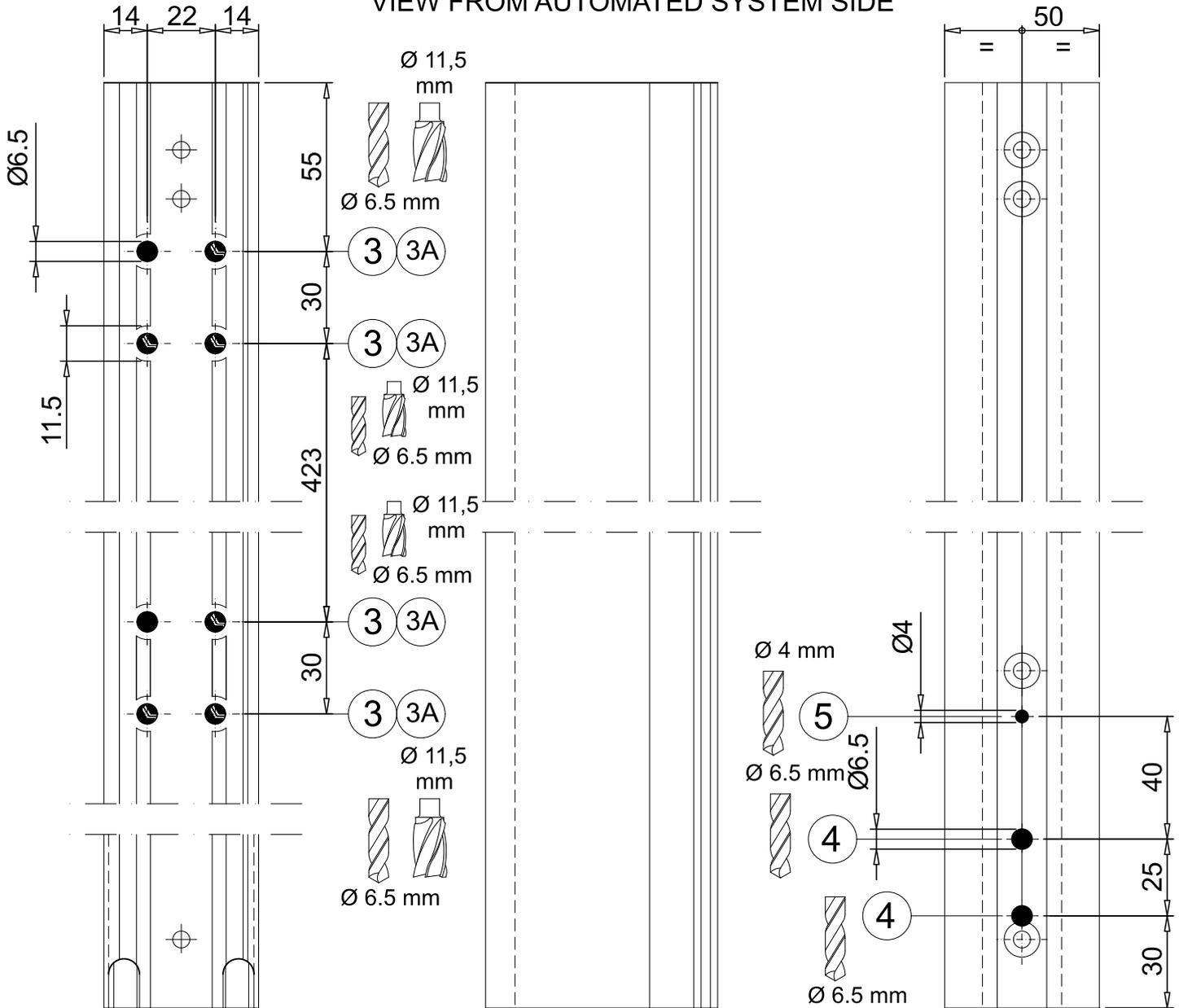
805143



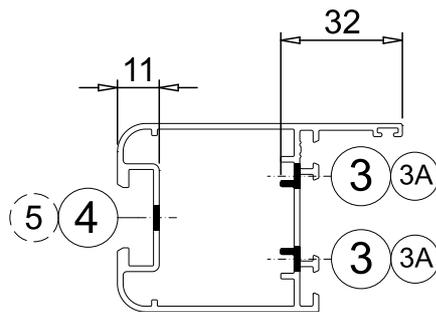
LH UPRIGHT FOR MOBILE LEAF (805143):

- 3 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 730929 (MOBILE LEAF UPPER HINGE ASSEMBLY)
- 3A : BORING FOR PASSAGE OF SECURING SCREW HEAD WITH ACCESSORY 730929 (MOBILE LEAF UPPER HINGE ASSEMBLY)
- 4 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 728457 (MOBILE LEAF LOWER HINGE)
- 5 : PERFORATION FOR REFERENCE PIN FOR ACCESSORY 728457 (MOBILE LEAF LOWER HINGE)

VIEW FROM AUTOMATED SYSTEM SIDE

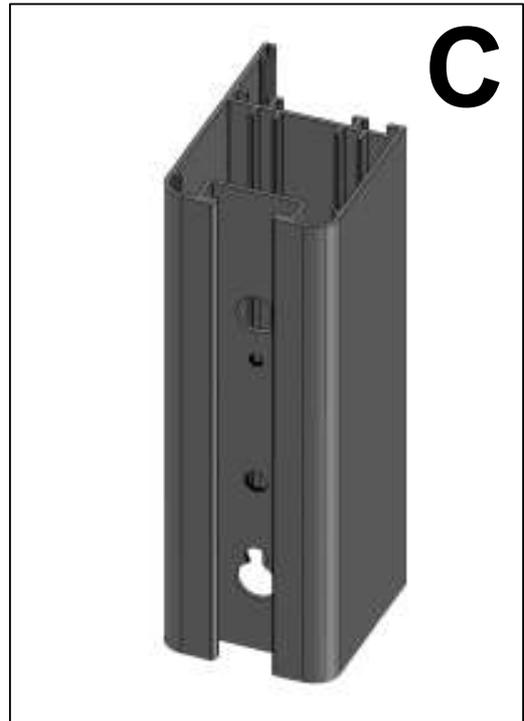
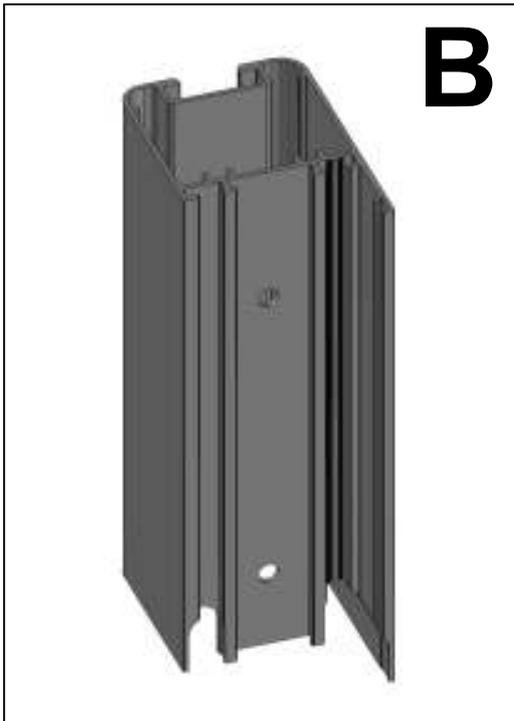
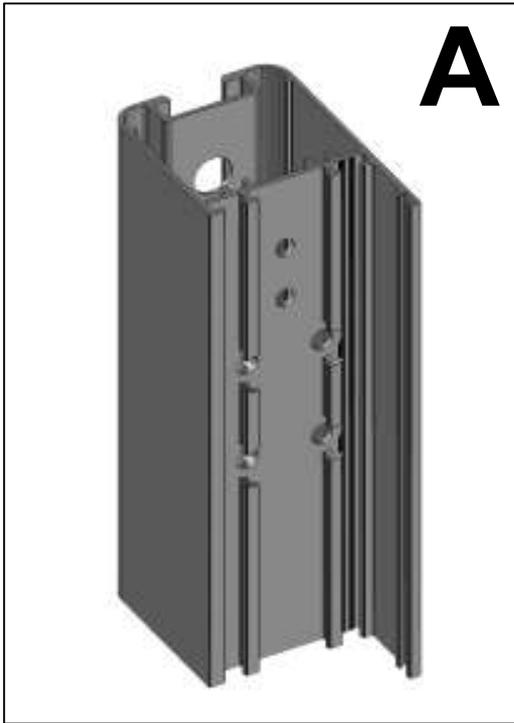


LOW DOWN



805143

LH UPRIGHT FOR MOBILE LEAF (805143): AXONOMETRIES

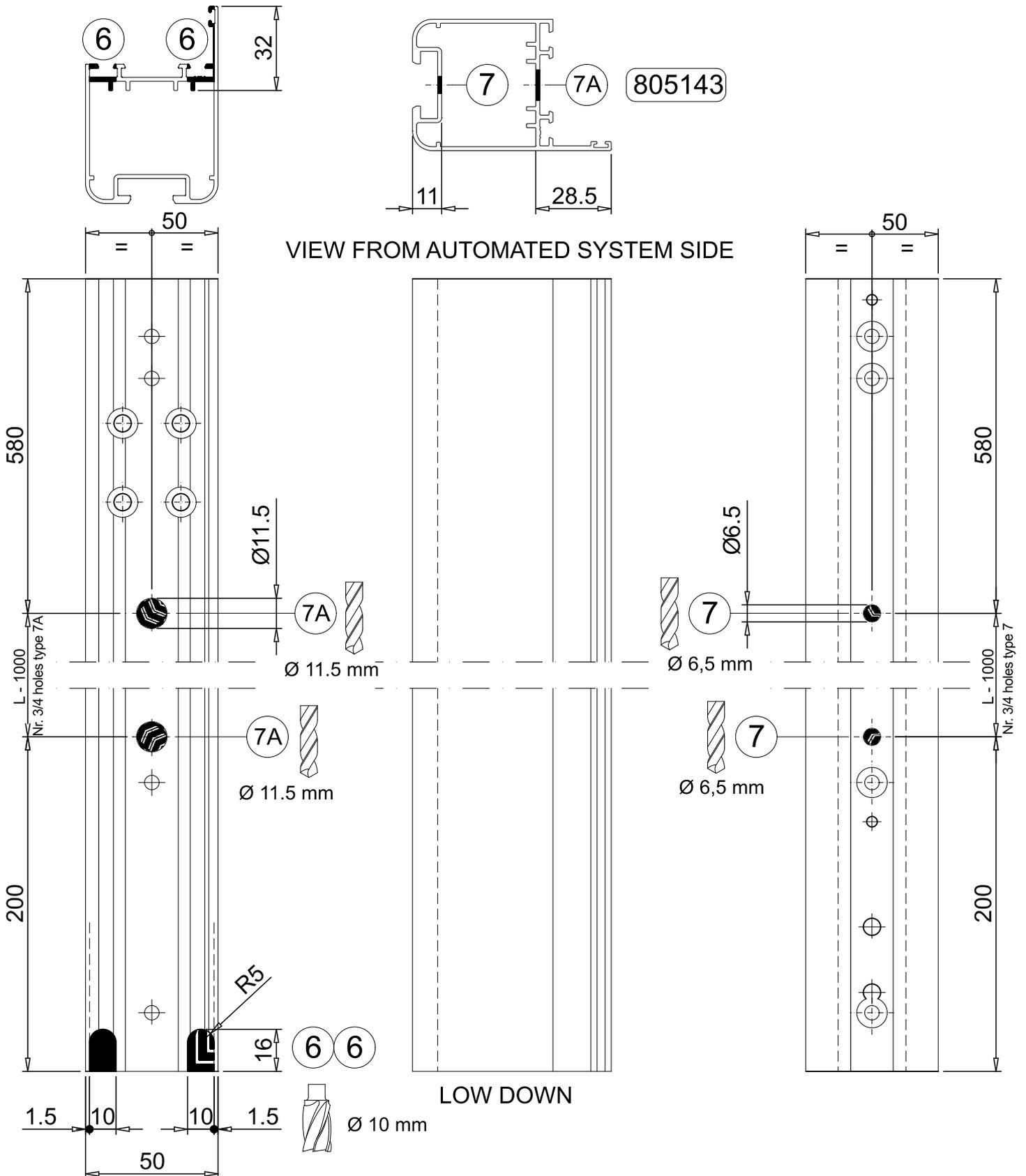


LH UPRIGHT FOR MOBILE LEAF (805143):

6 : MILLING FOR INSTALLATION OF ACCESSORY 105345 (BRUSH H=25 mm)

7 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805145 (LABYRINTH PROFILE)

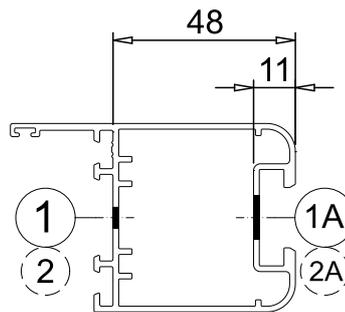
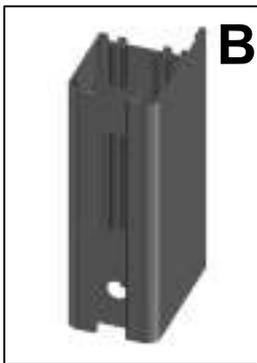
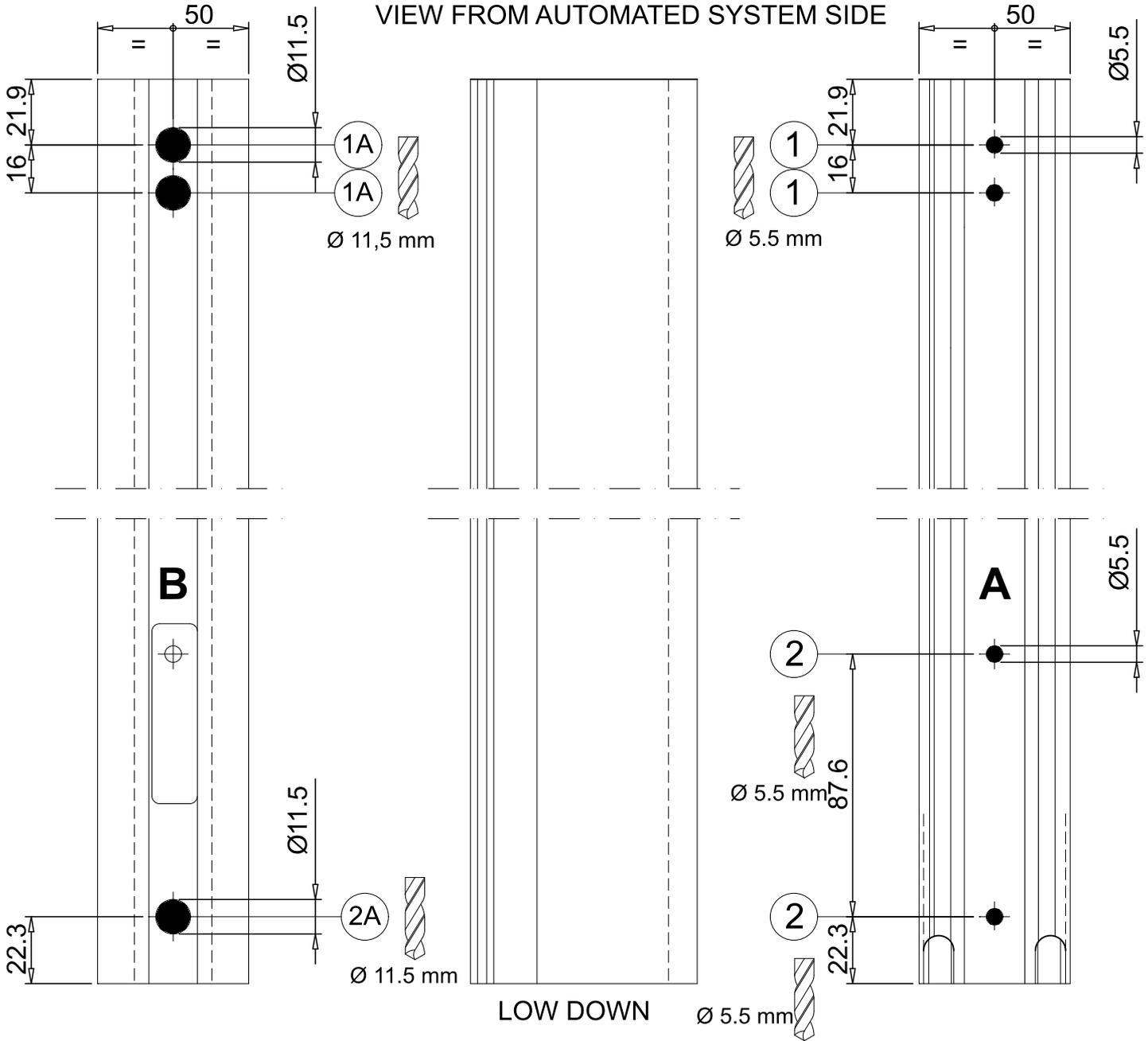
7A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 7)



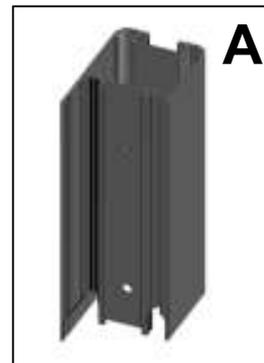
RH UPRIGHT FOR MOBILE LEAF (805143):

- 1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805147 (MOBILE LEAF UPPER CROSS BEAM)
- 2 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805141 (MOBILE LEAF LOWER BASE)
- 1A and 2A: PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see points 1 and 2)

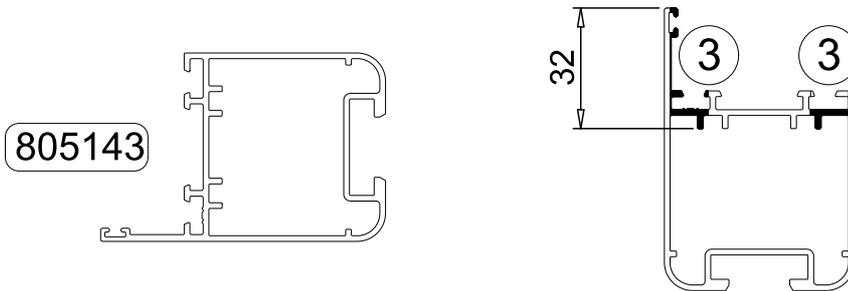
VIEW FROM AUTOMATED SYSTEM SIDE



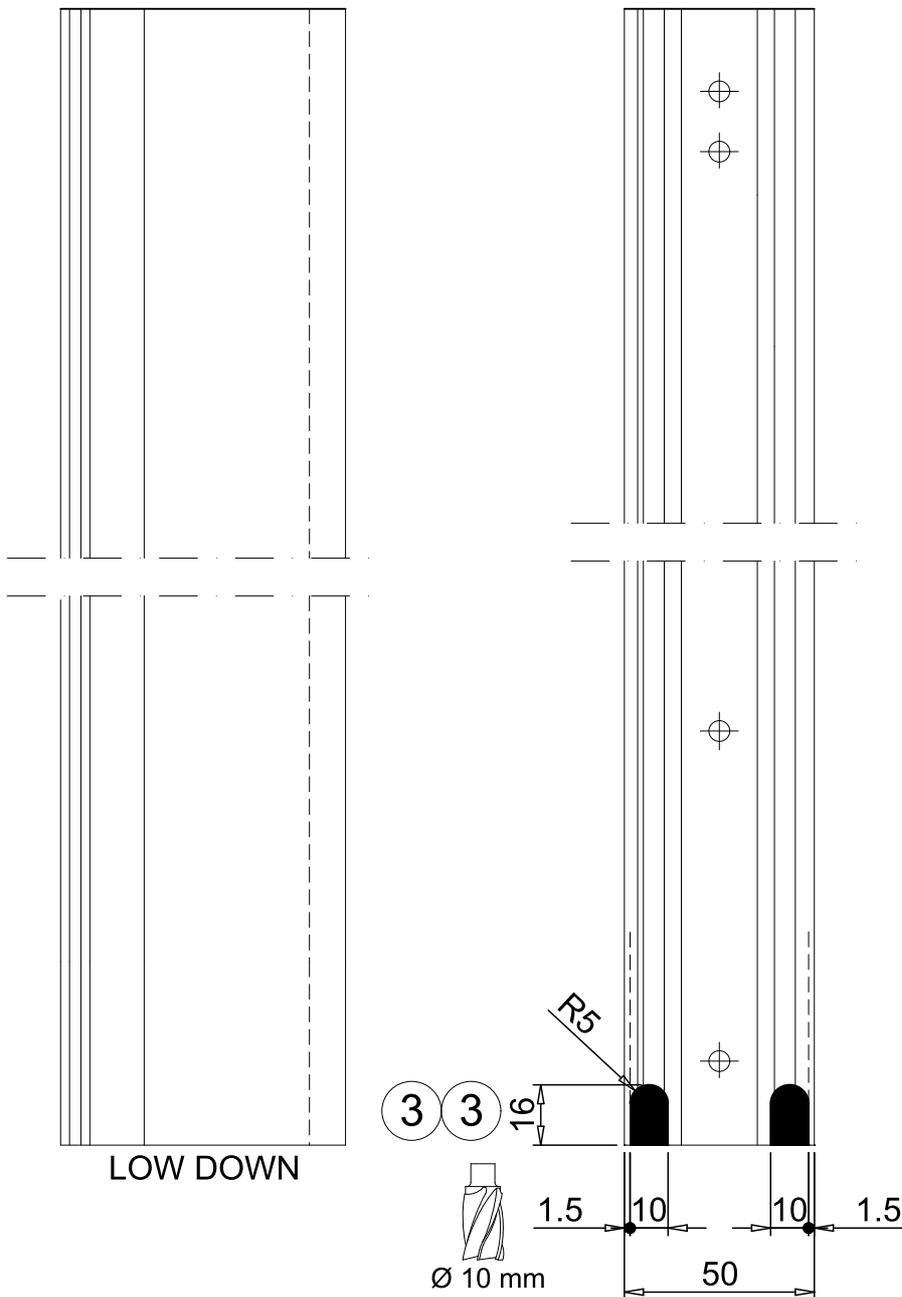
805143



RH UPRIGHT FOR MOBILE LEAF (805143):
3 : MILLING FOR INSTALLATION OF ACCESSORY 105345 (BRUSH H=25 mm)



VIEW FROM AUTOMATED SYSTEM SIDE



LOW DOWN

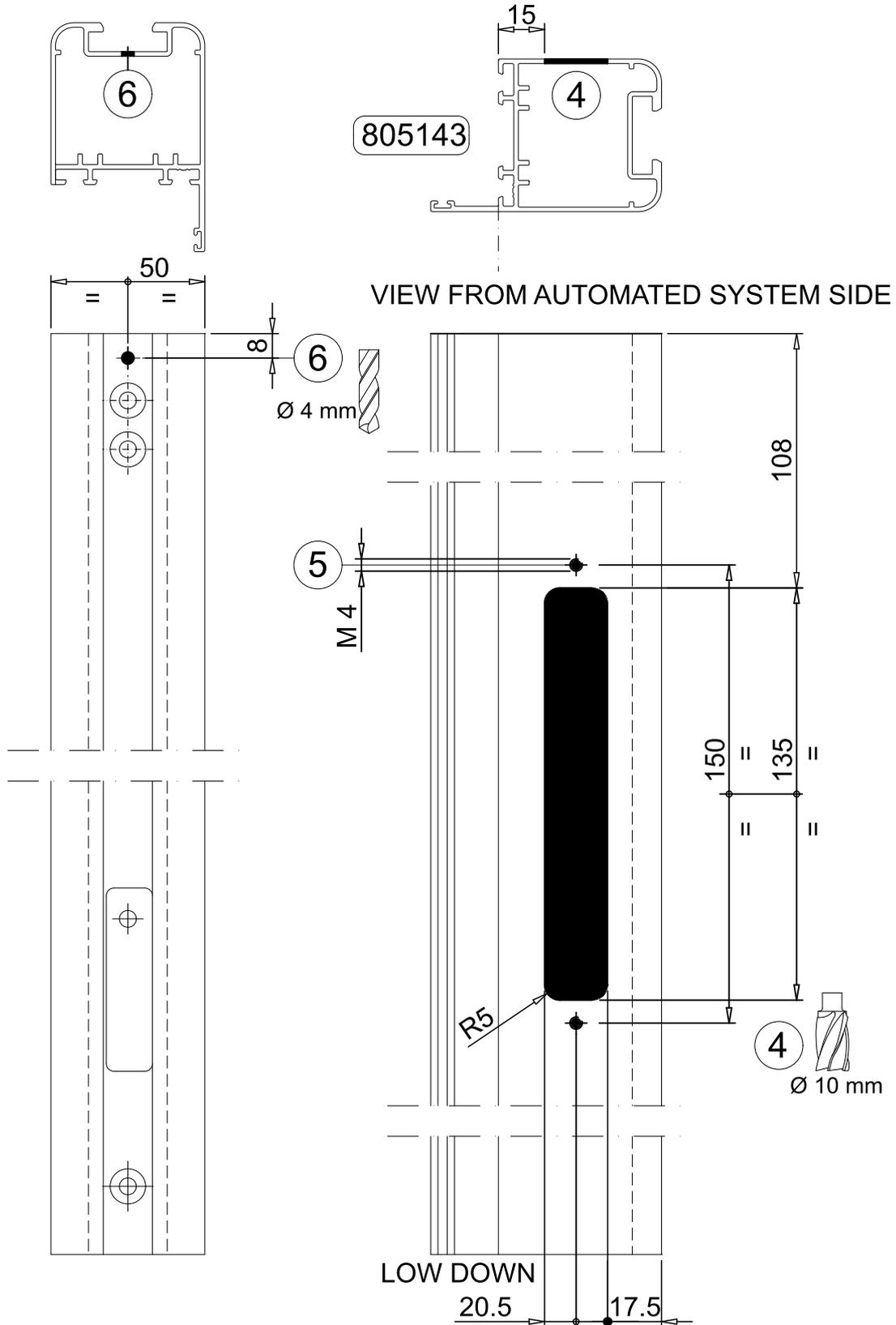
RH UPRIGHT FOR MOBILE LEAF (805143):

4 : MILLING FOR INSTALLATION OF ACCESSORY 000000 (UPPER BOLT FOR MOBILE LEAF)

5 : PERFORATION AND TAPPING FOR SECURING SCREW FOR ACCESSORY 000000 (UPPER BOLT FOR MOBILE LEAF)

6 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 000000 (GUIDE FOR UPPER BOLT PIN FOR MOBILE LEAF)

IMPORTANT : NOT FOR EMERGENCY EXIT



RH UPRIGHT FOR MOBILE LEAF (805143):

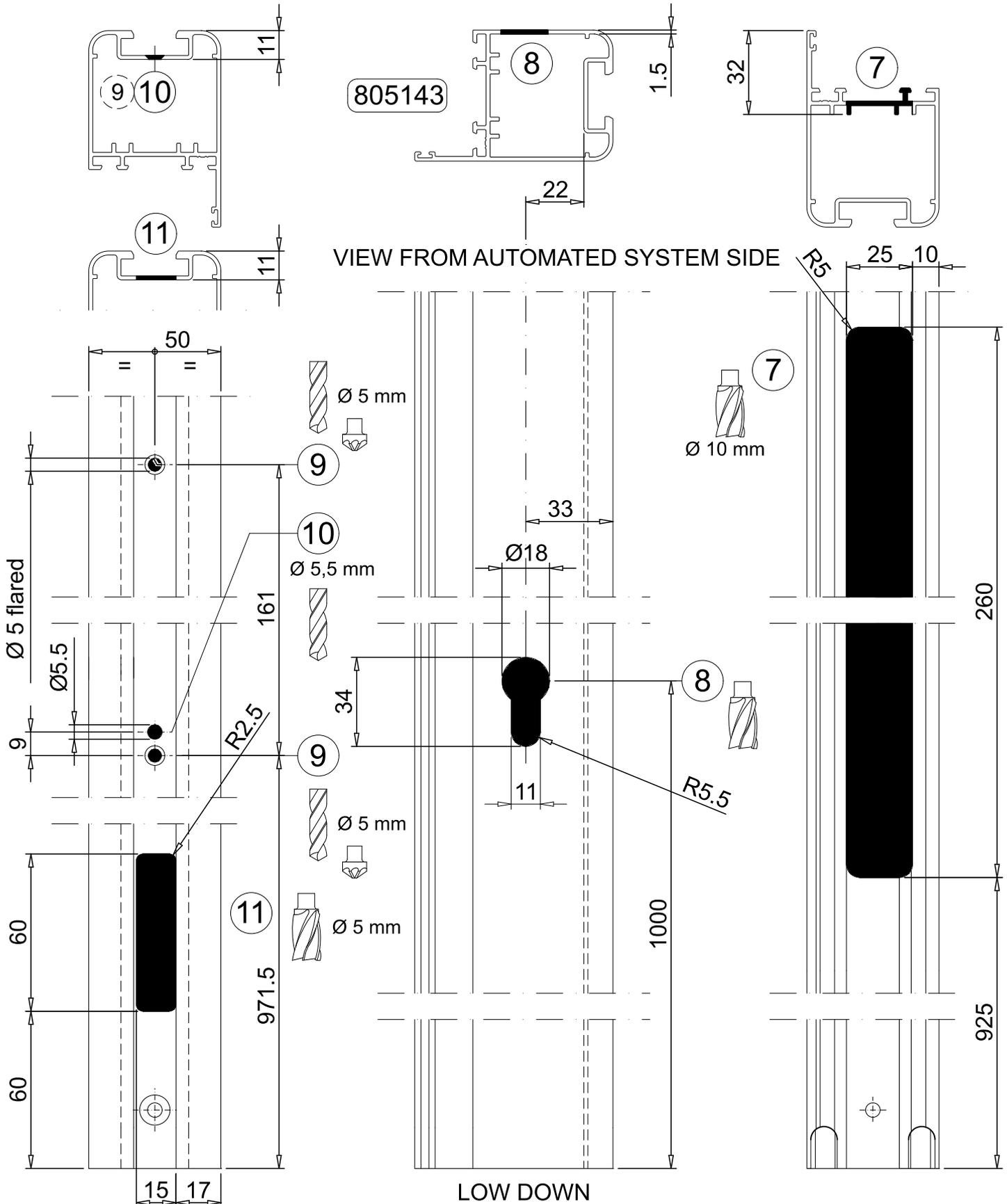
7 : MILLING FOR INSTALLATION OF ACCESSORY 103206 (LOCK WITH LOWER ROD)

8 : MILLING FOR INSTALLATION OF ACCESSORY 103211/103212 (LOCK CYLINDER)

9 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 103206 (LOCK WITH LOWER ROD)

10 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 103211/103212 (LOCK CYLINDER)

11 : MILLING FOR INSTALLATION OF ACCESSORY 103206 (LOCK WITH LOWER ROD)

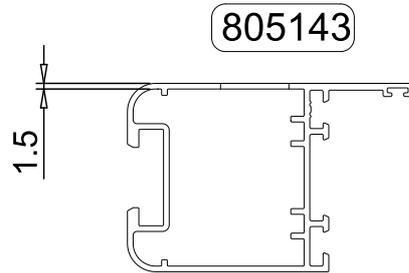


LOW DOWN

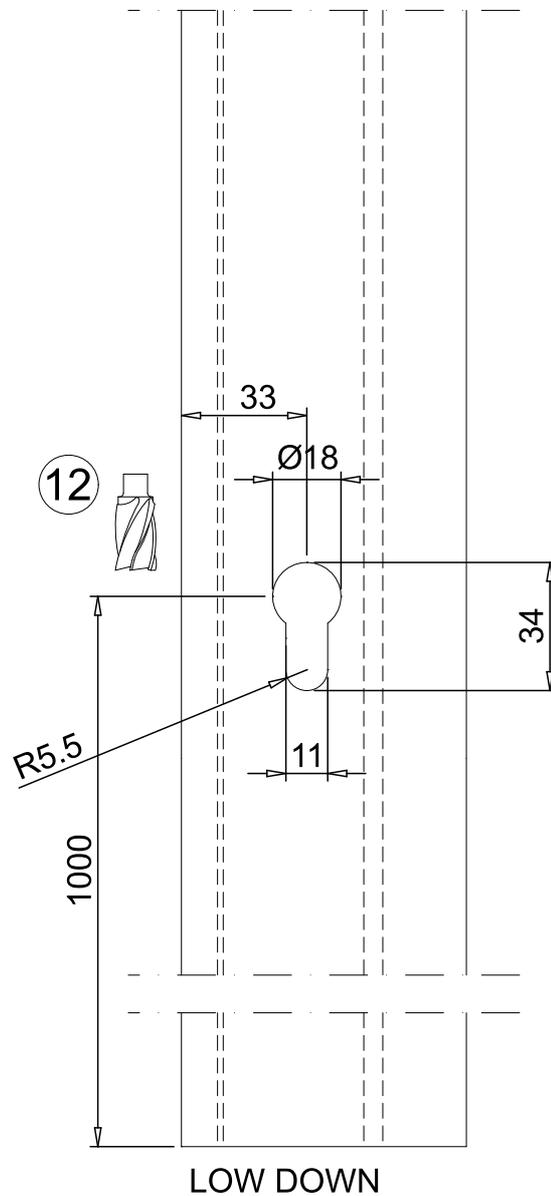
RH UPRIGHT FOR MOBILE LEAF (805143):

12 : MILLING FOR INSTALLATION OF ACCESSORY 103211 (THROUGH-CYLINDER FOR LOCK)

IMPORTANT : ONLY FOR LOCK WITH THROUGH-CYLINDER - 103211

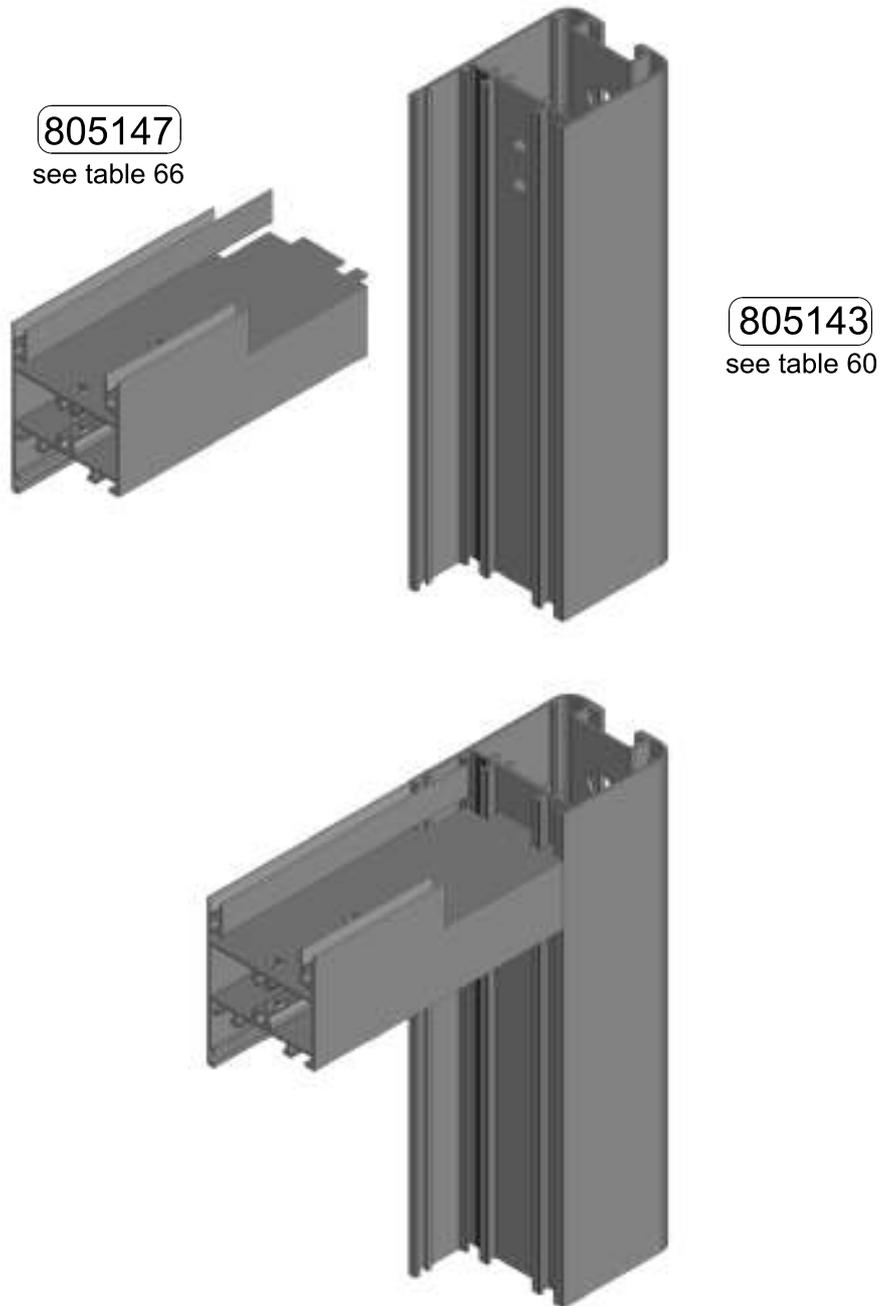


VIEW FROM SIDE OPPOSITE THE AUTOMATED SYSTEM



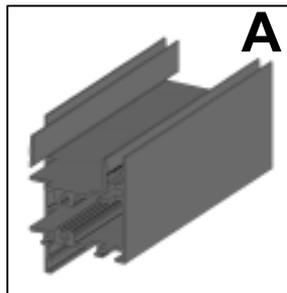
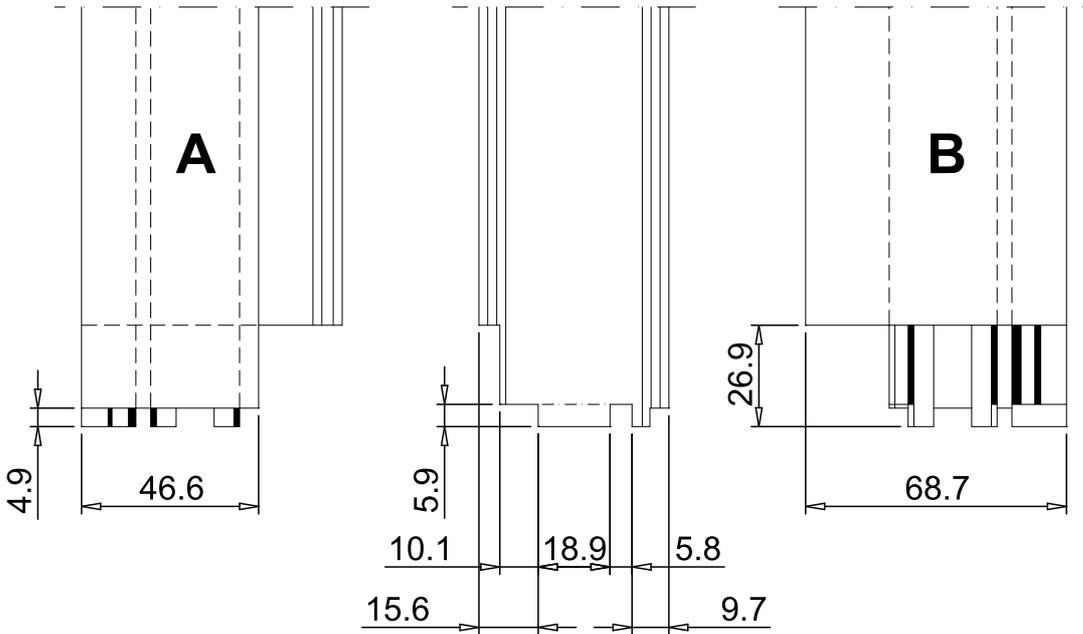
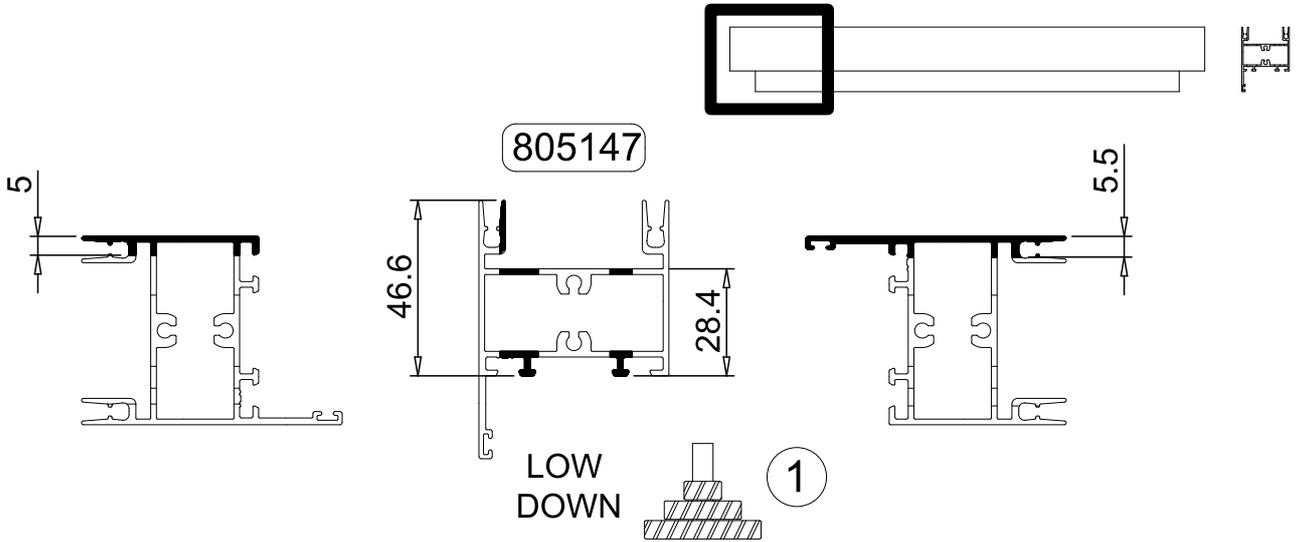
UPPER CROSS BEAM FOR MOBILE LEAF (805147): ASSEMBLY WITH PROFILE 805143 (MOBILE LEAF UPRIGHT)

VIEW FROM AUTOMATED SYSTEM SIDE

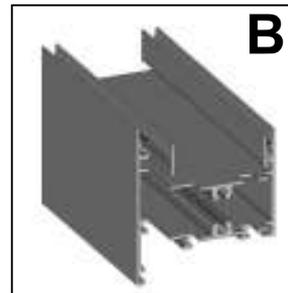


UPPER CROSS BEAM FOR MOBILE LEAF (805147):
 1 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (MOBILE LEAF LH UPRIGHT)
 see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1

VIEW FROM AUTOMATED SYSTEM SIDE

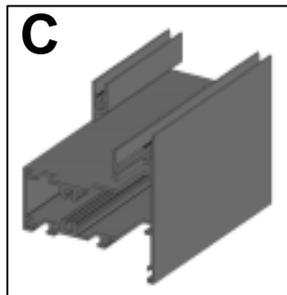
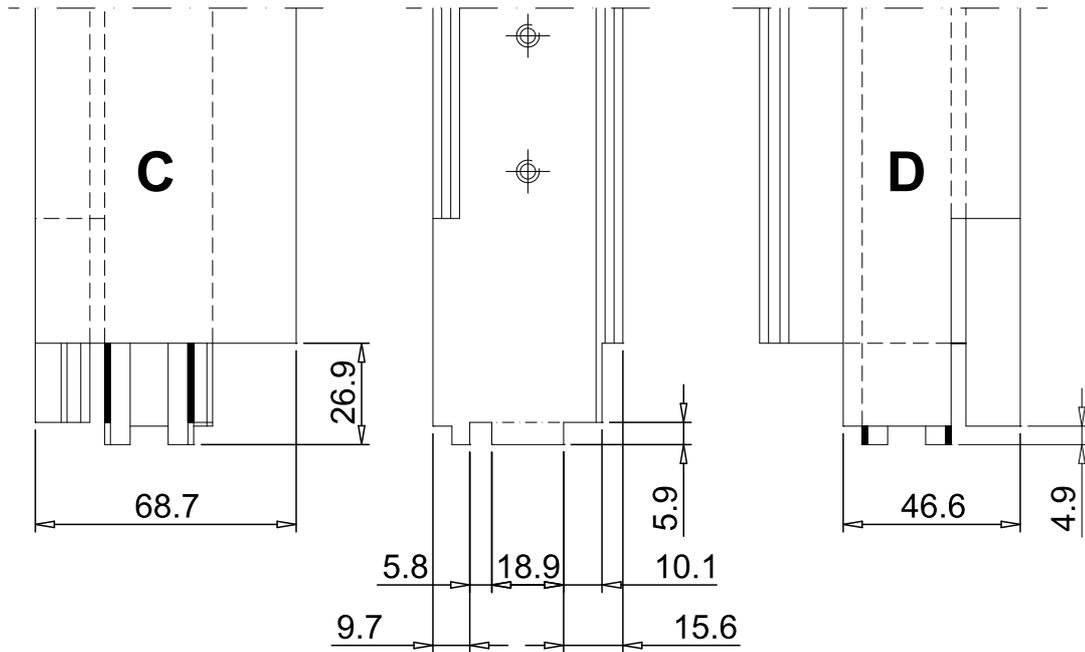
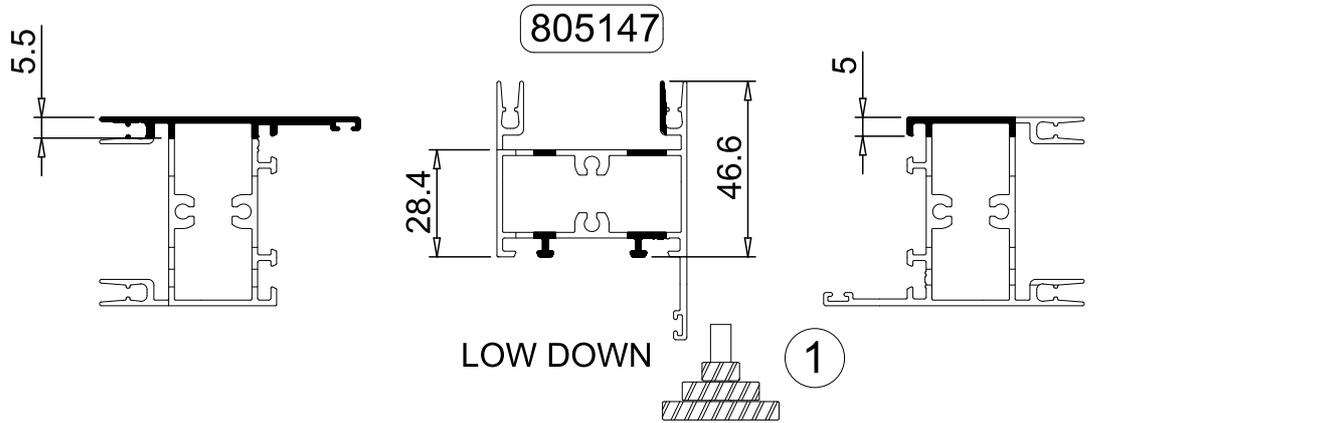


ROTATED VIEWS

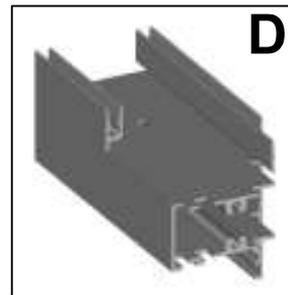


UPPER CROSS BEAM FOR MOBILE LEAF (805147):
2 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (MOBILE LEAF RH UPRIGHT)
see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1

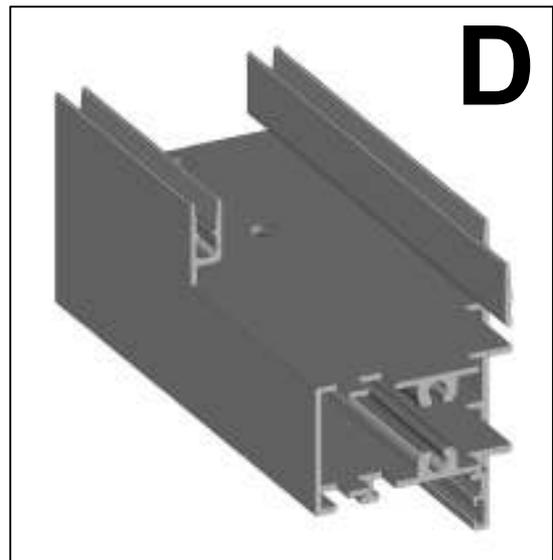
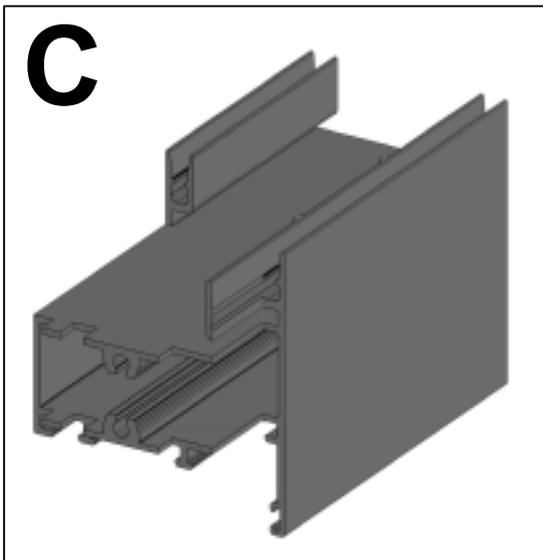
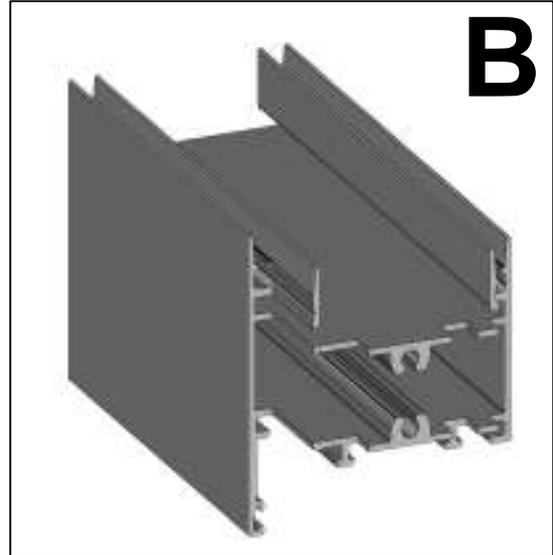
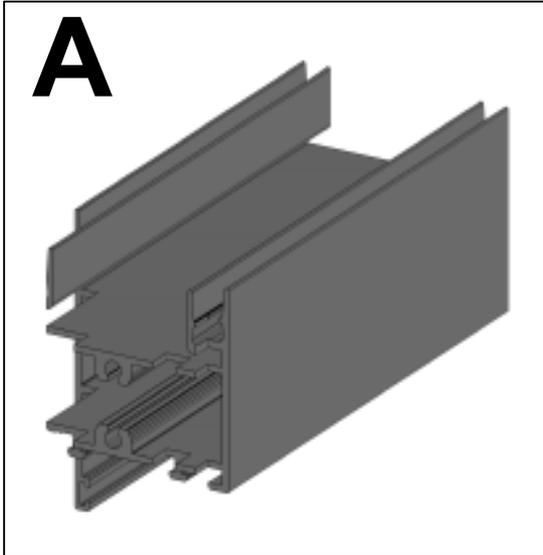
VIEW FROM AUTOMATED SYSTEM SIDE



ROTATED VIEWS



UPPER CROSS BEAM FOR MOBILE LEAF (805147):
AXONOMETRIES

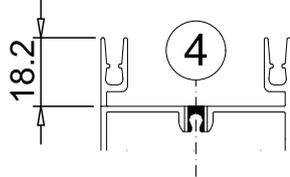
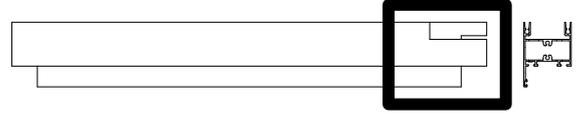


UPPER CROSS BEAM FOR MOBILE LEAF (805147):

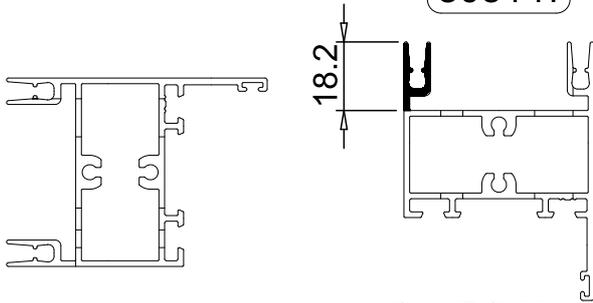
3 : MILLING FOR PASSAGE OF ACCESSORY 707601 (BALL LOCK)

4 : PERFORATION AND TAPPING FOR SECURING SCREW FOR ACCESSORY 728460/A (COUPLING PLATE FOR BALL LOCK)

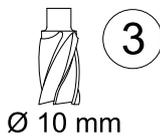
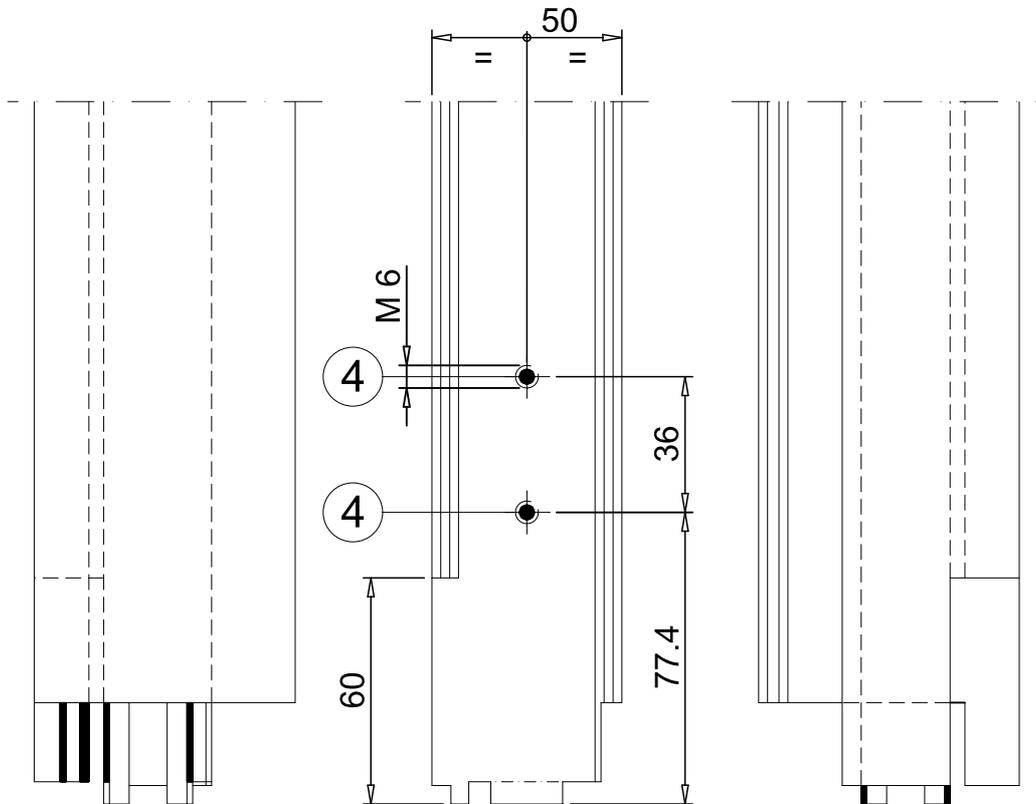
VIEW FROM AUTOMATED SYSTEM SIDE



805147



LOW DOWN



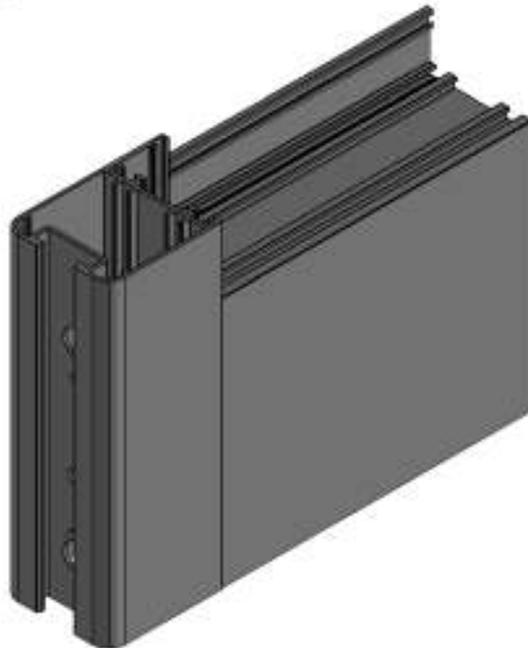
LOWER BASE FOR MOBILE LEAF (805141): ASSEMBLY WITH PROFILE 805143 (MOBILE LEAF UPRIGHT)

VIEW FROM AUTOMATED SYSTEM SIDE

805143
see table 56

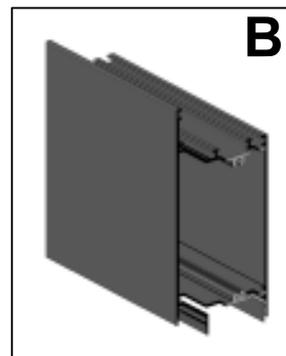
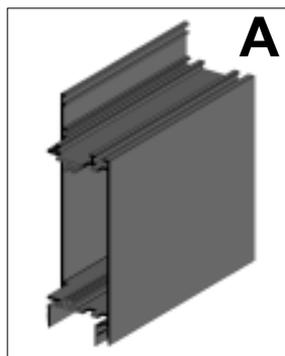
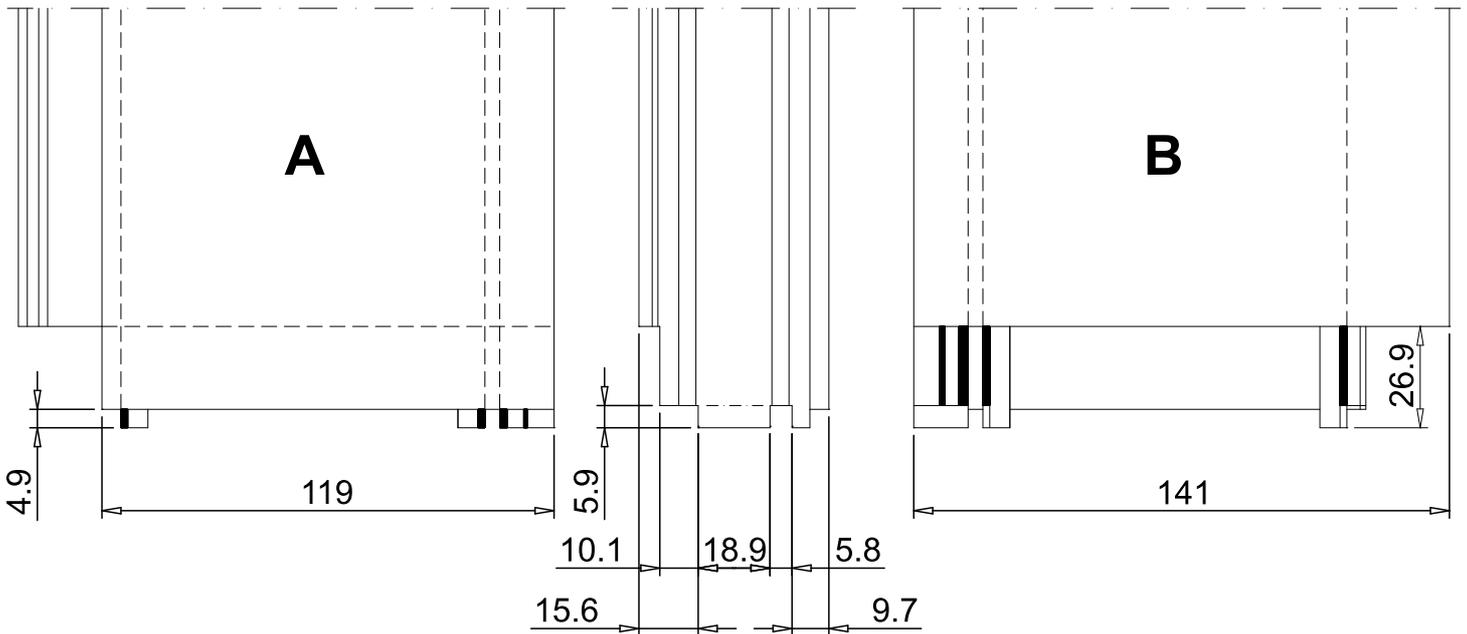
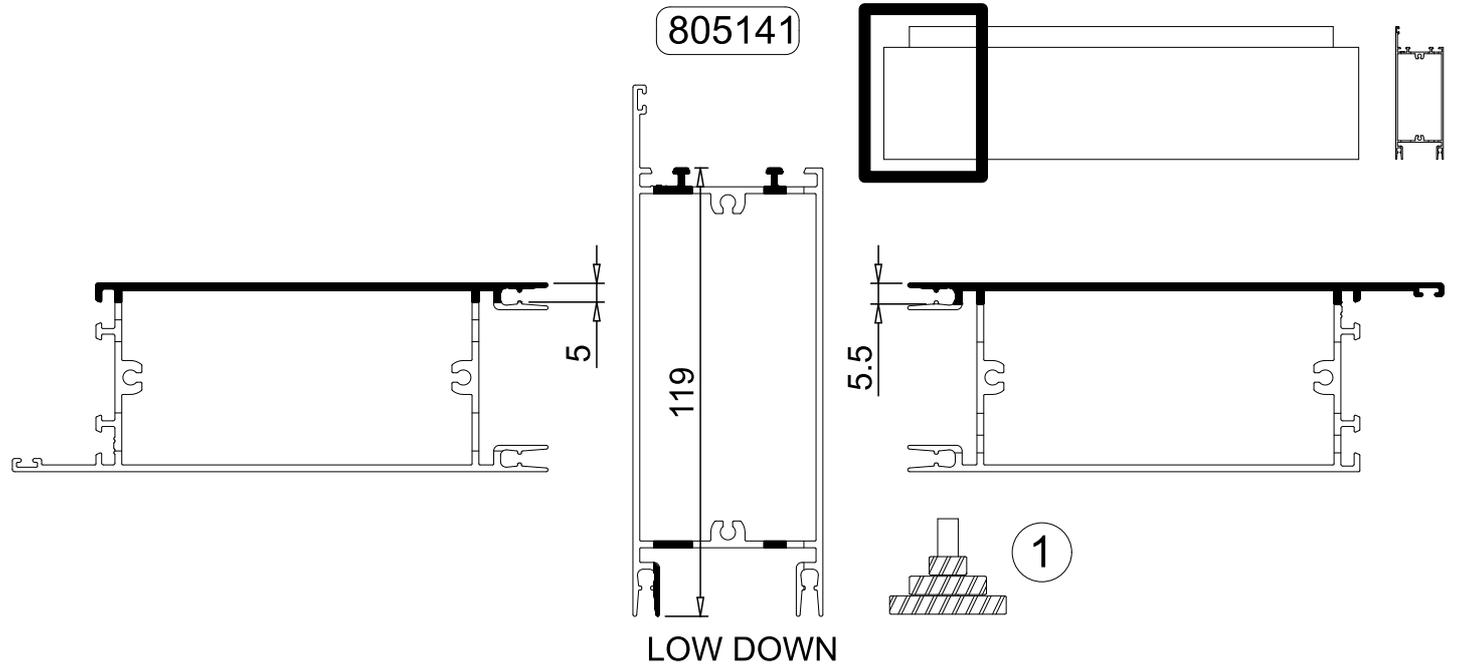


805141
see table 71



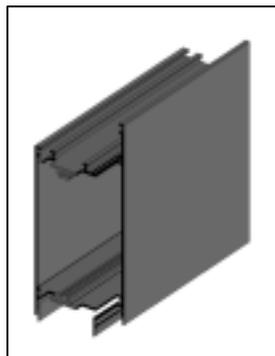
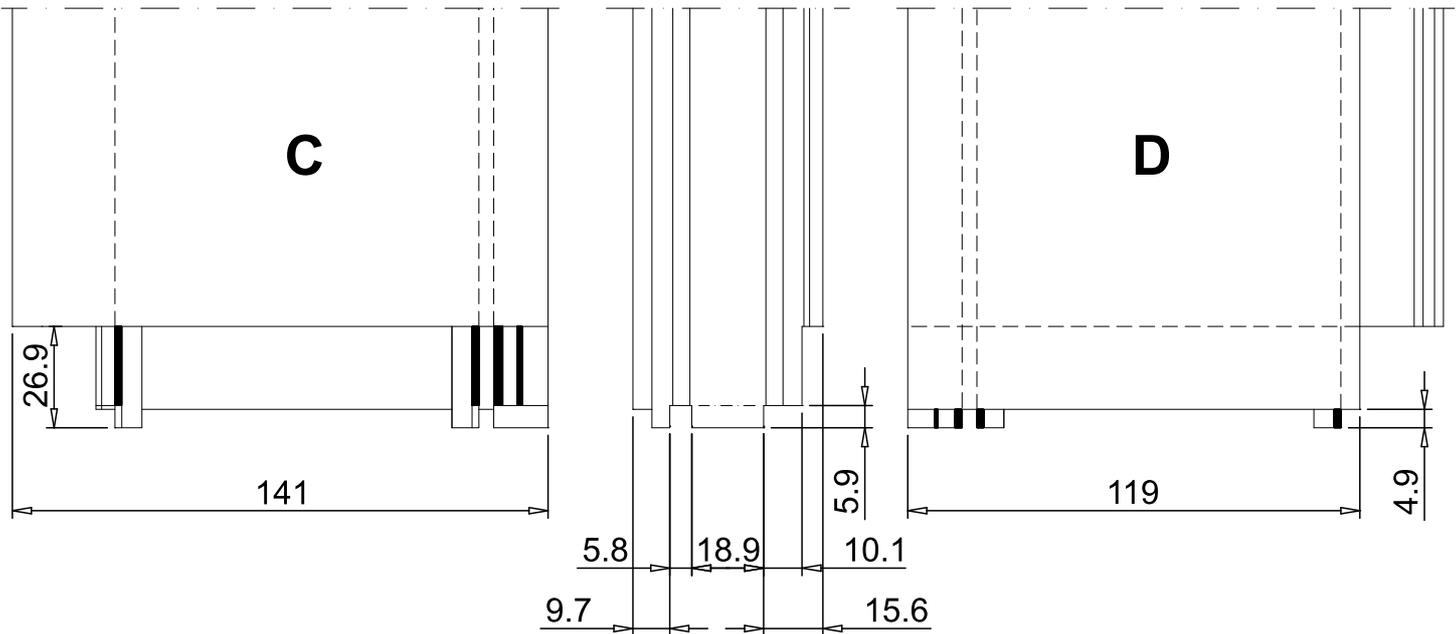
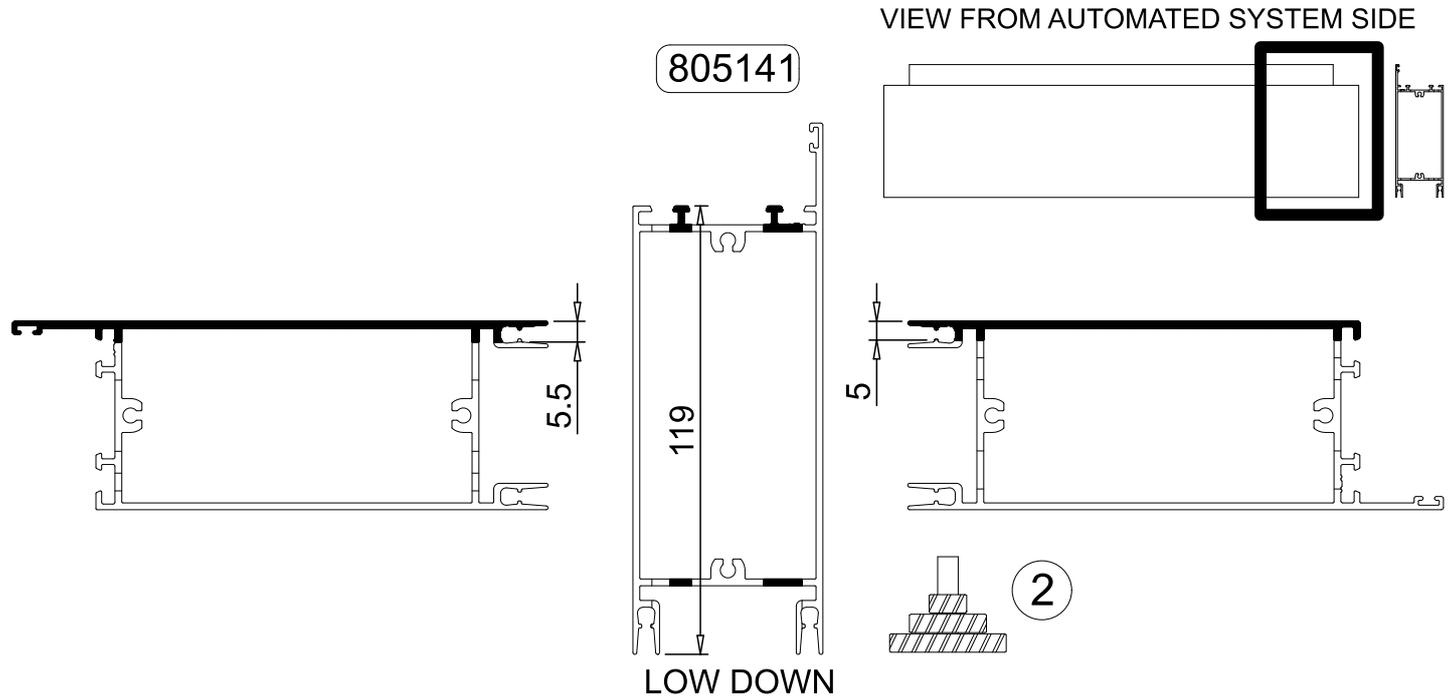
LOWER BASE for MOBILE LEAF (805141):
1 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (MOBILE LEAF LH UPRIGHT)
see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1

VIEW FROM AUTOMATED SYSTEM SIDE

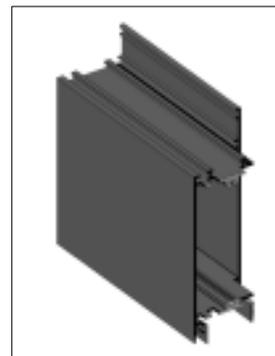


ROTATED VIEWS

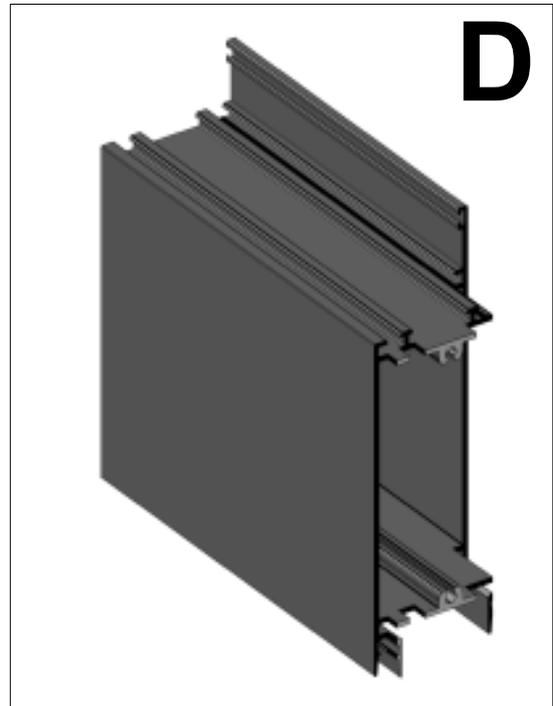
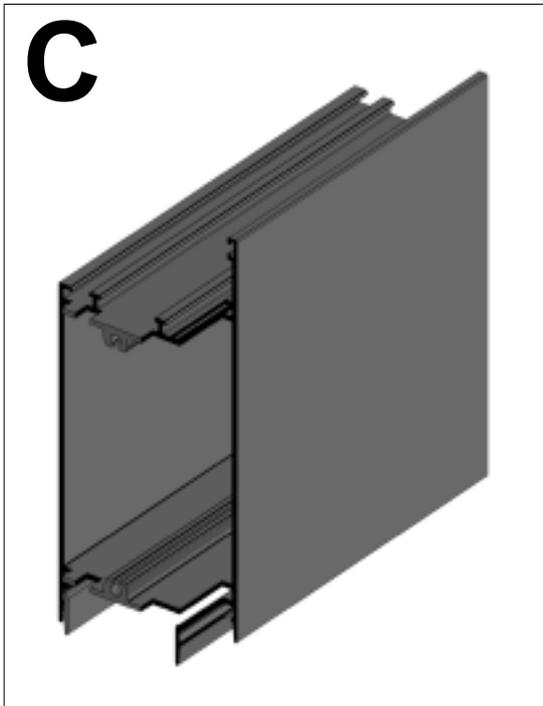
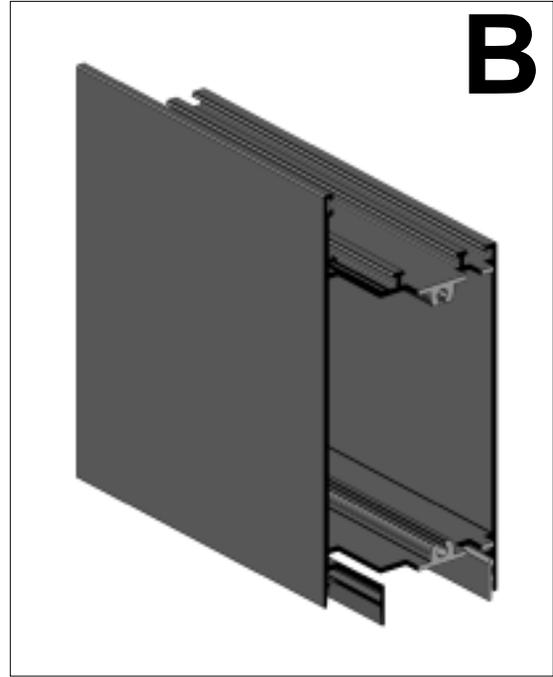
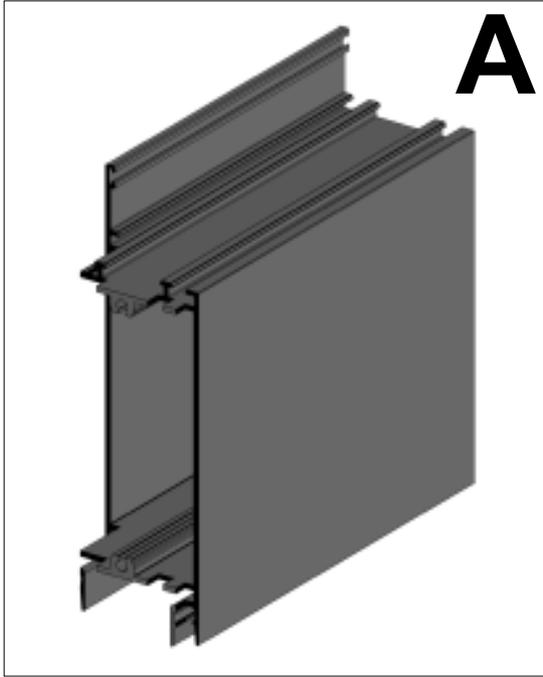
LOWER BASE FOR MOBILE LEAF (805141):
2 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (MOBILE LEAF RH UPRIGHT)
see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1



ROTATED VIEWS



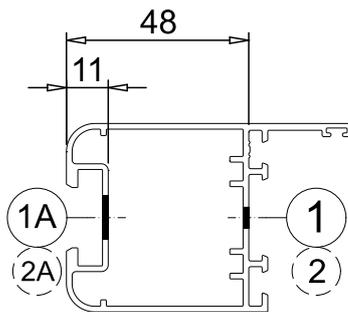
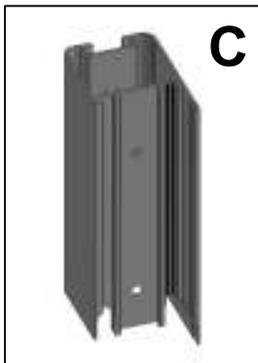
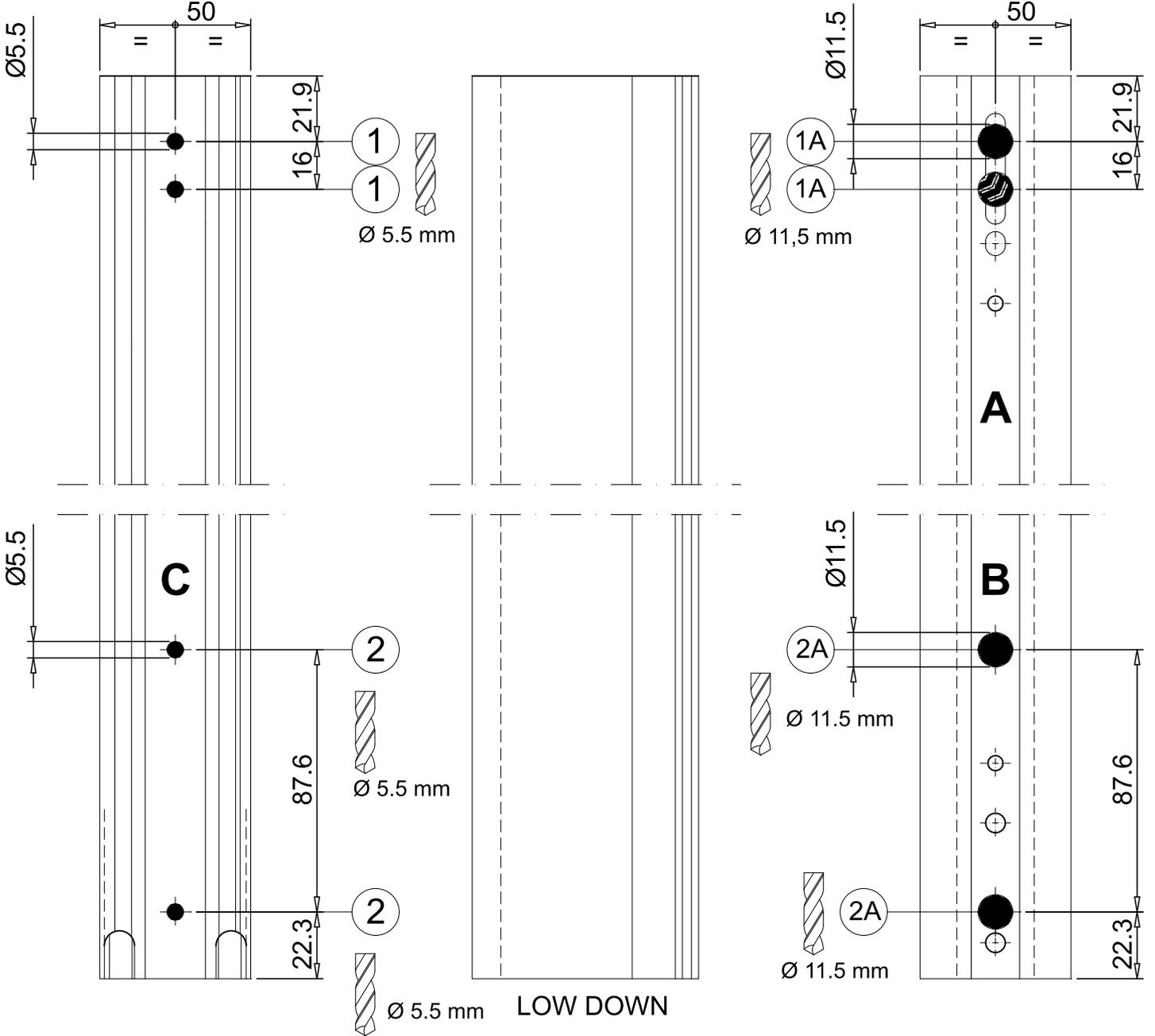
LOWER BASE FOR MOBILE LEAF AXONOMETRIES



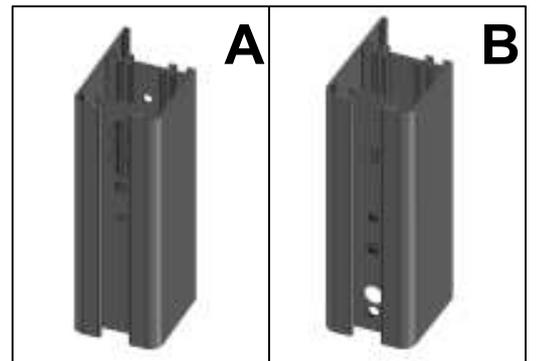
LH UPRIGHT FOR SEMI-FIXED LEAF (805143):

- 1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805147 (MOBILE LEAF UPPER CROSS BEAM)
- 2 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805141 (MOBILE LEAF LOWER BASE)
- 1A and 2A: PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see points 1 and 2)

VIEW FROM AUTOMATED SYSTEM SIDE

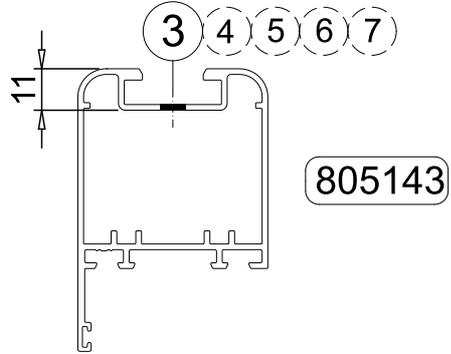


805143

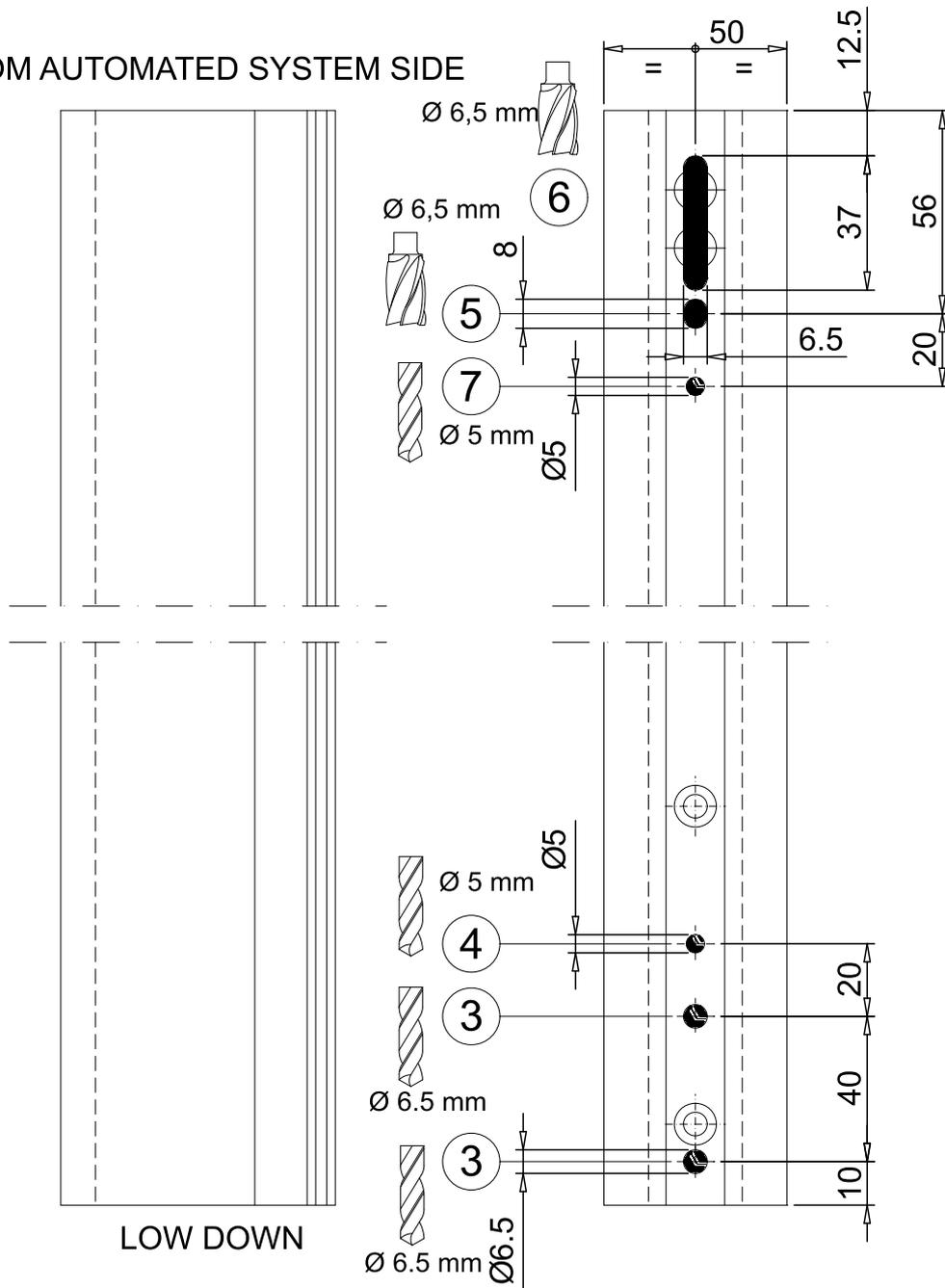


LH UPRIGHT FOR SEMI-FIXED LEAF (805143):

- 3 : PERFORATION FOR SECURING SCREW FOR ACCESSORY 730008/A (SEMI-FIXED LEAF LOWER HINGE)
- 4 : PERFORATION FOR REFERENCE PIN FOR ACCESSORY 730008/A (SEMI-FIXED LEAF LOWER HINGE)
- 5 : MILLING FOR SECURING SCREW FOR ACCESSORY 730008 (SEMI-FIXED LEAF UPPER HINGE)
- 6 : MILLING FOR SECURING SCREW FOR ACCESSORY 730008 (SEMI-FIXED LEAF UPPER HINGE)
- 7 : PERFORATION FOR REFERENCE PIN FOR ACCESSORY 730008 (SEMI-FIXED LEAF UPPER HINGE)



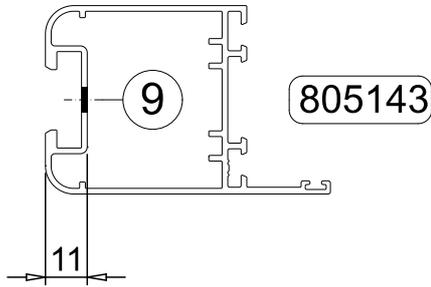
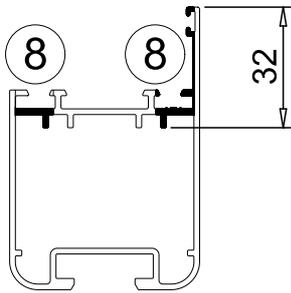
VIEW FROM AUTOMATED SYSTEM SIDE



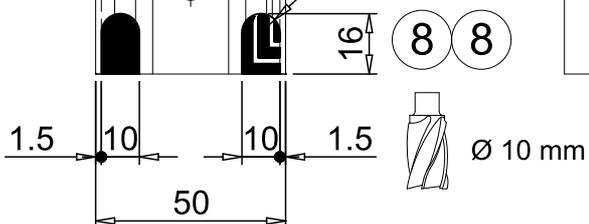
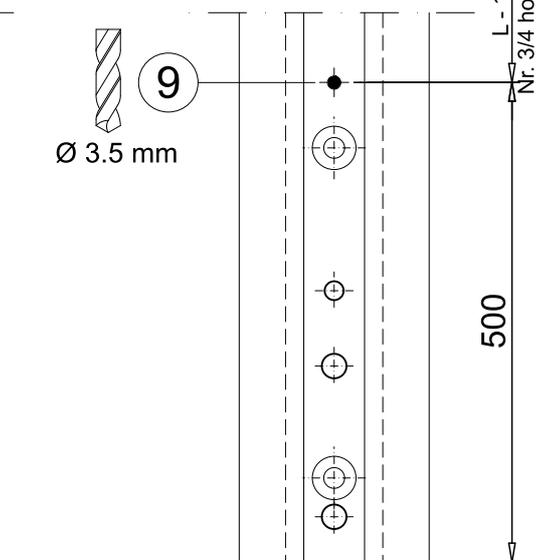
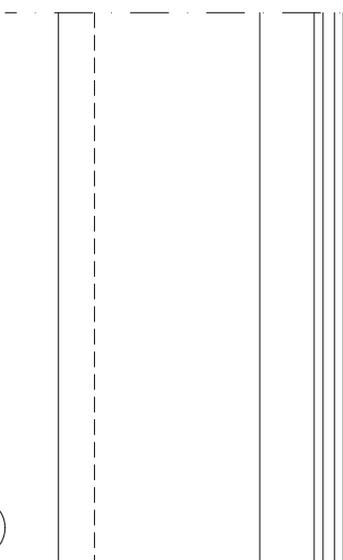
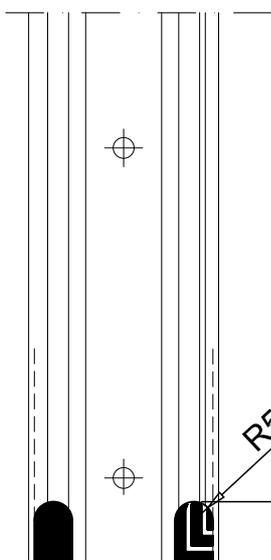
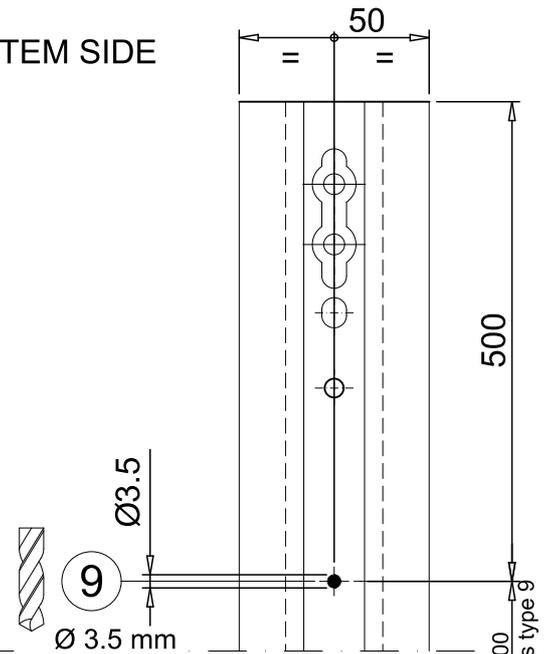
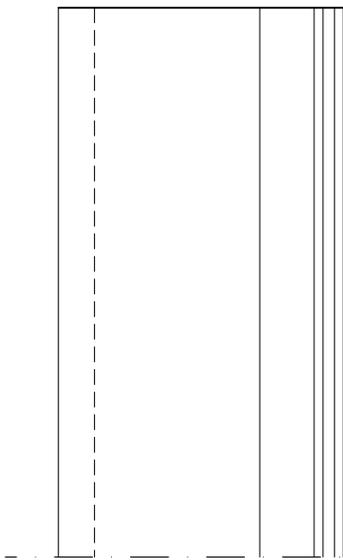
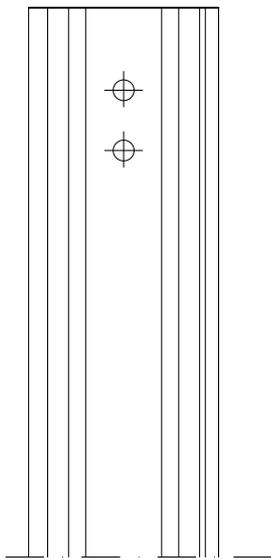
LH UPRIGHT FOR SEMI-FIXED LEAF (805143):

8 : MILLING FOR INSTALLATION OF ACCESSORY 105345 (BRUSH H=25 mm)

9 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805142 (HALF CIRCLE PROFILE)



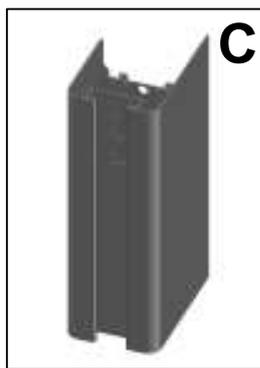
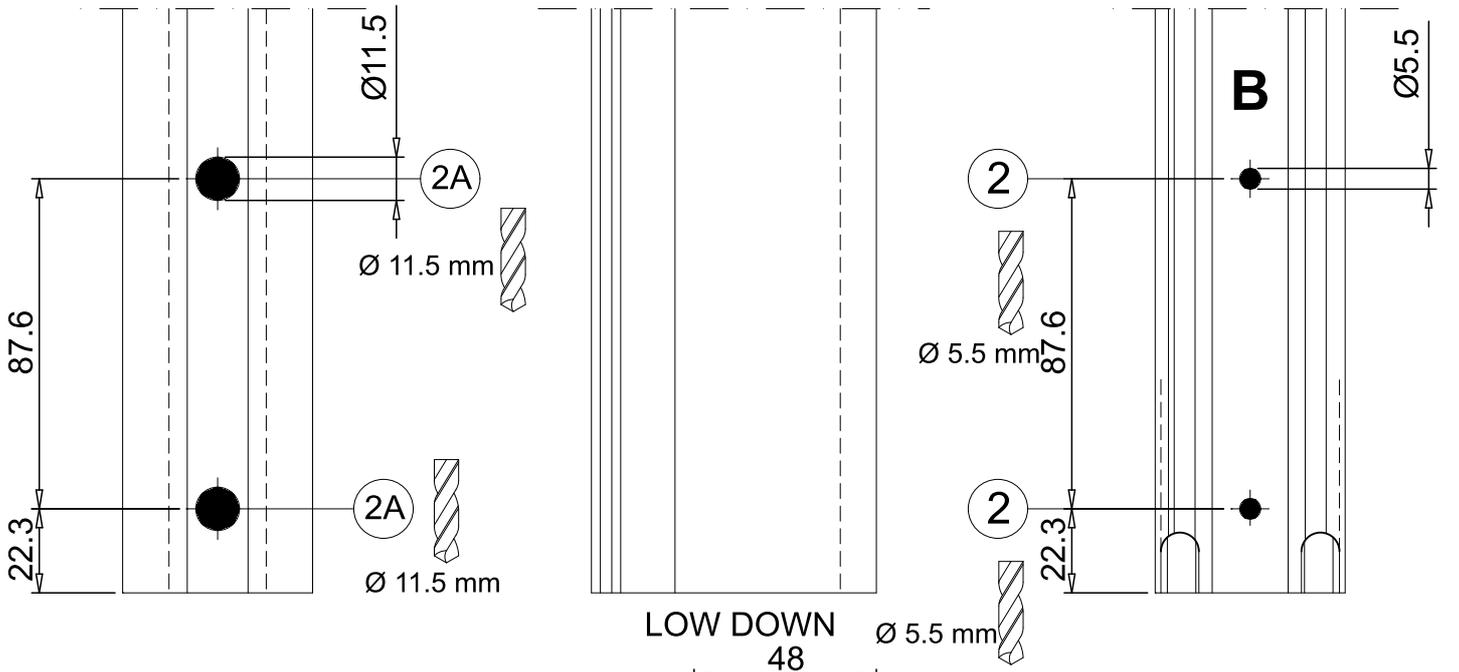
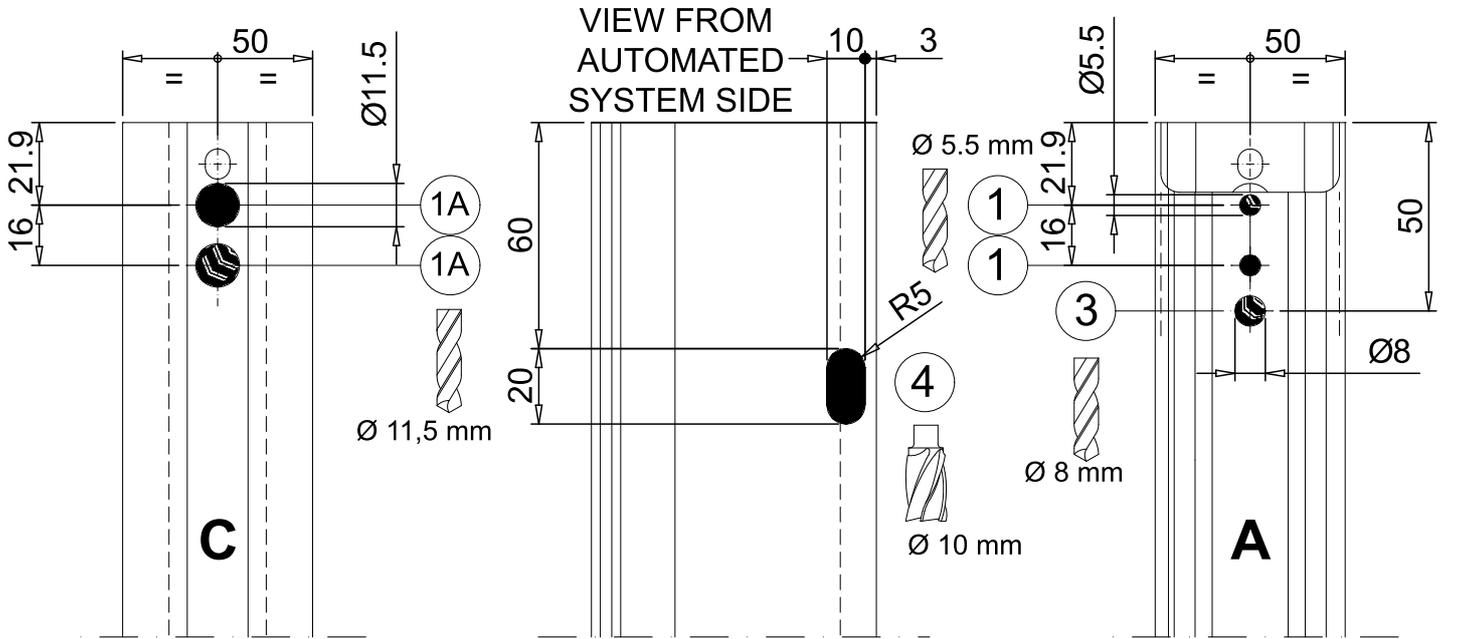
VIEW FROM AUTOMATED SYSTEM SIDE



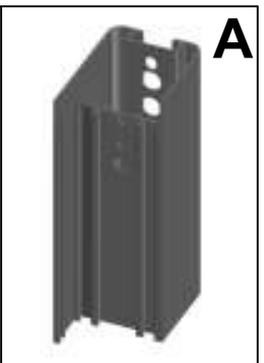
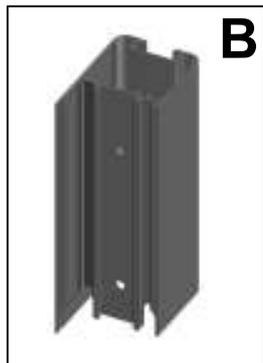
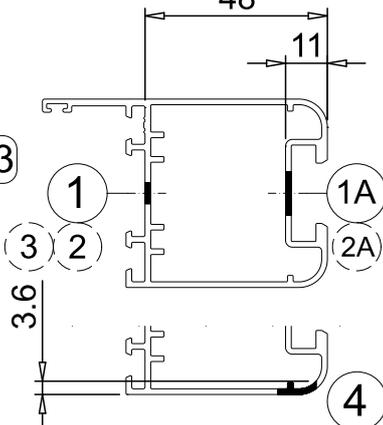
LOW DOWN

RH UPRIGHT FOR SEMI-FIXED LEAF (805143):

- 1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805147 (MOBILE LEAF UPPER CROSS BEAM)
- 2 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805141 (MOBILE LEAF LOWER BASE)
- 1A and 2A: PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see points 1 and 2)
- 3 : PERFORATION FOR PASSAGE OF CABLE FOR ACCESSORY 103209 (PHOTOCELL BRACKET KIT)
- 4 : MILLING FOR PASSAGE OF CABLE FOR ACCESSORY 103209 (PHOTOCELL BRACKET KIT)



805143

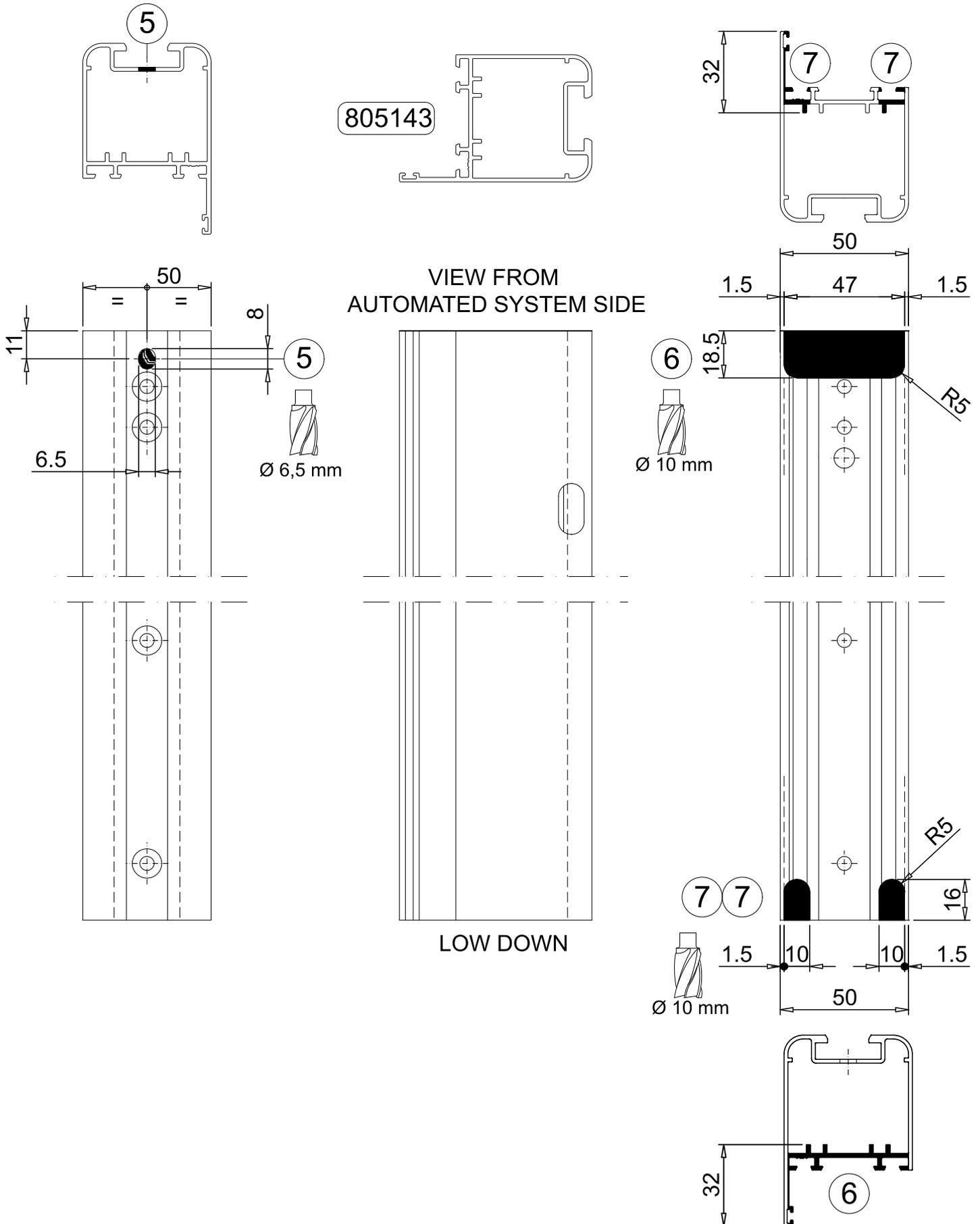


RH UPRIGHT FOR SEMI-FIXED LEAF (805143):

5 : MILLING FOR SECURING SCREW FOR ACCESSORY 728459 (LOWER PLATE FOR BALL LOCK)

6 : MILLING FOR INSTALLATION OF ACCESSORY 728459 (LOWER PLATE FOR BALL LOCK)

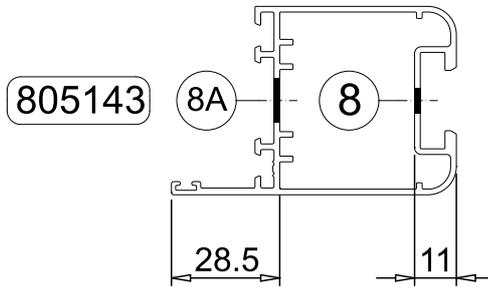
7 : MILLING FOR INSTALLATION OF ACCESSORY 105345 (BRUSH H=25 mm)



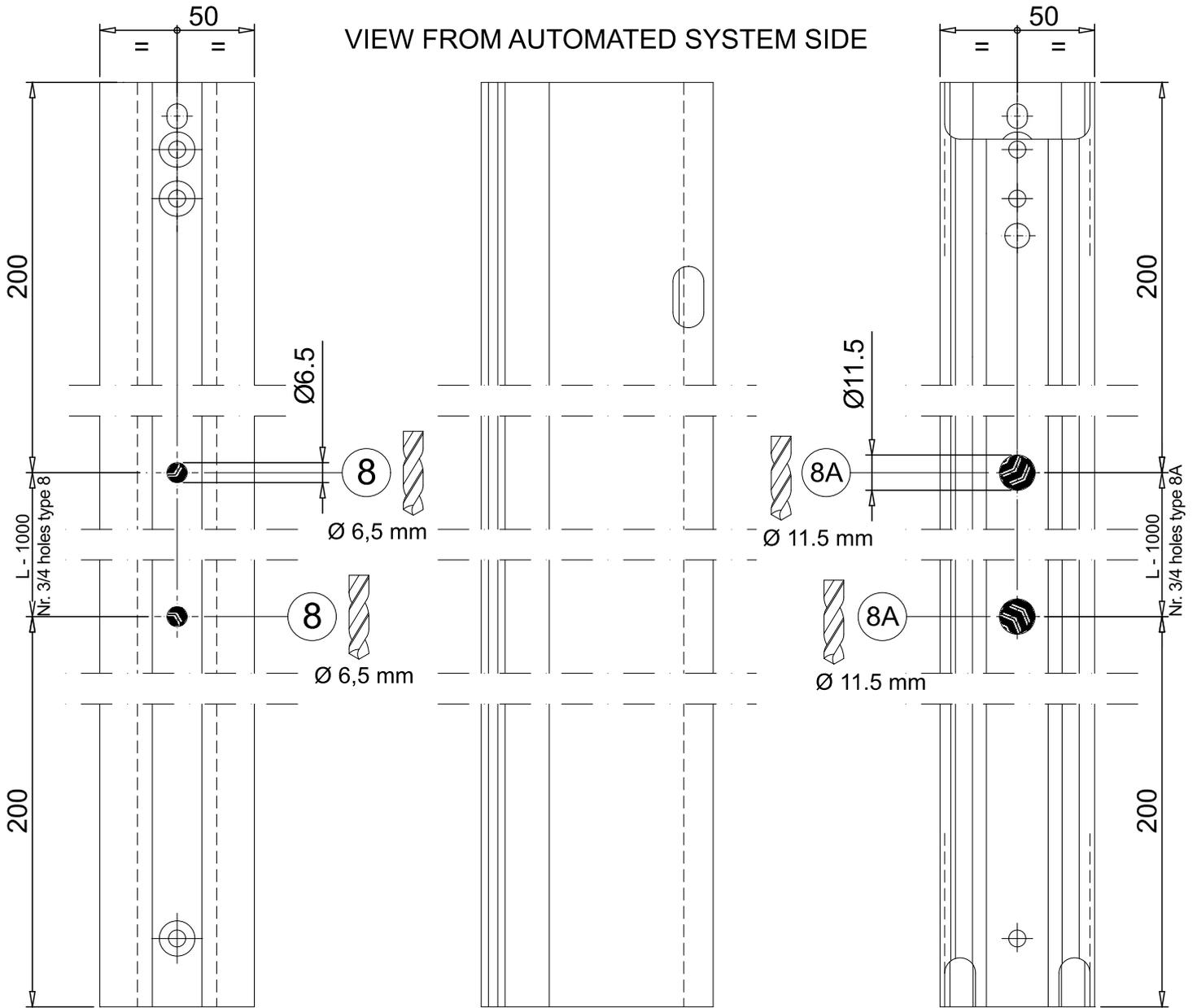
RH UPRIGHT FOR SEMI-FIXED LEAF (805143):

8 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805145 (LABYRINTH PROFILE)

8A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 8)



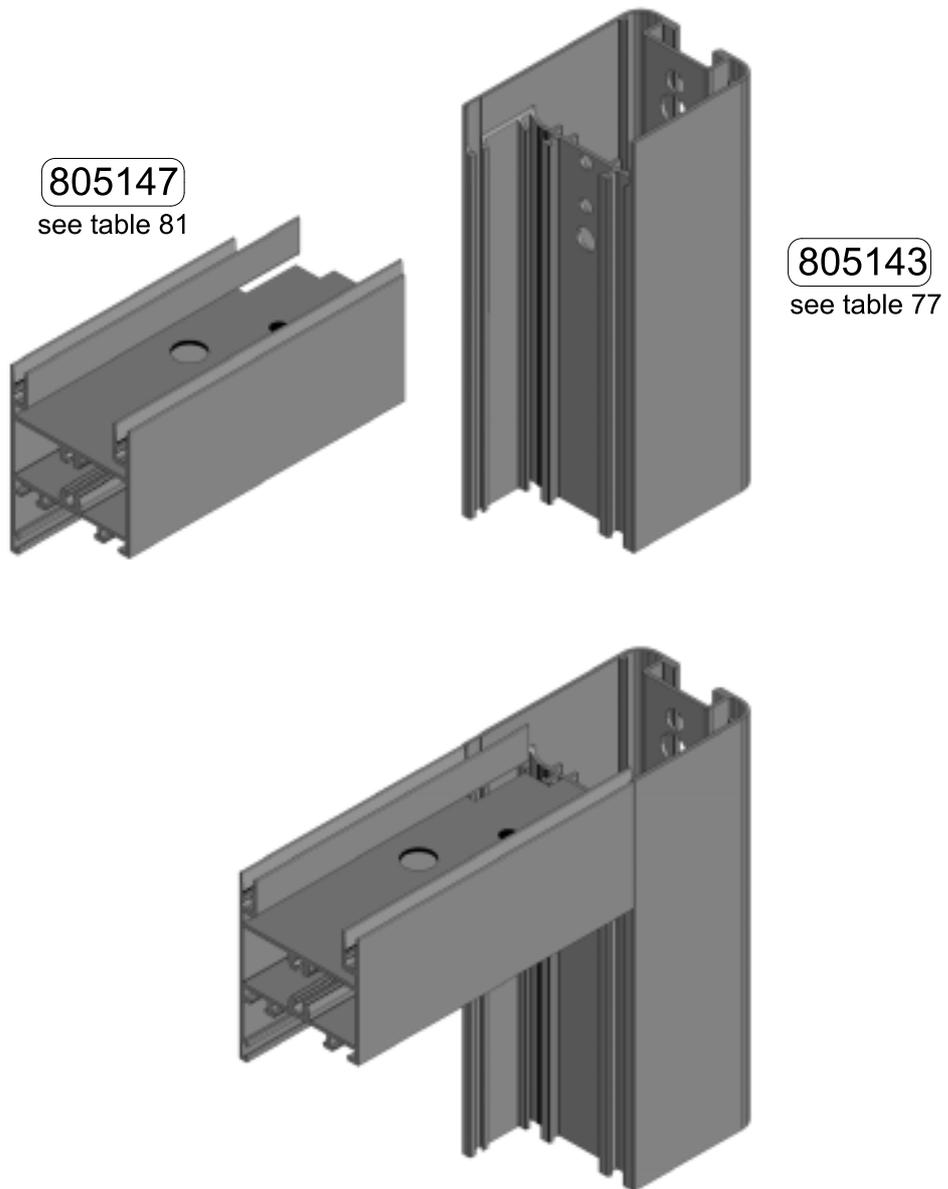
VIEW FROM AUTOMATED SYSTEM SIDE



LOW DOWN

UPPER CROSS BEAM FOR SEMI-FIXED LEAF (805147):
ASSEMBLY WITH PROFILE 805143 (SEMI-FIXED LEAF UPRIGHT)

VIEW FROM AUTOMATED SYSTEM SIDE



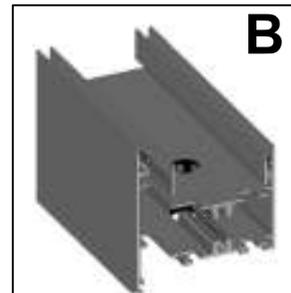
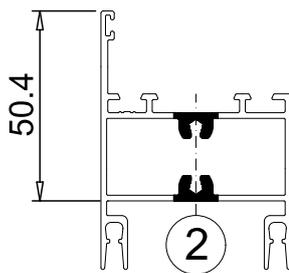
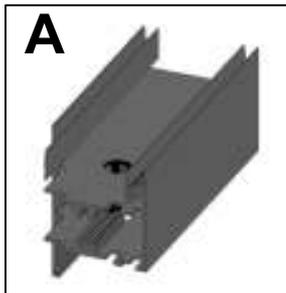
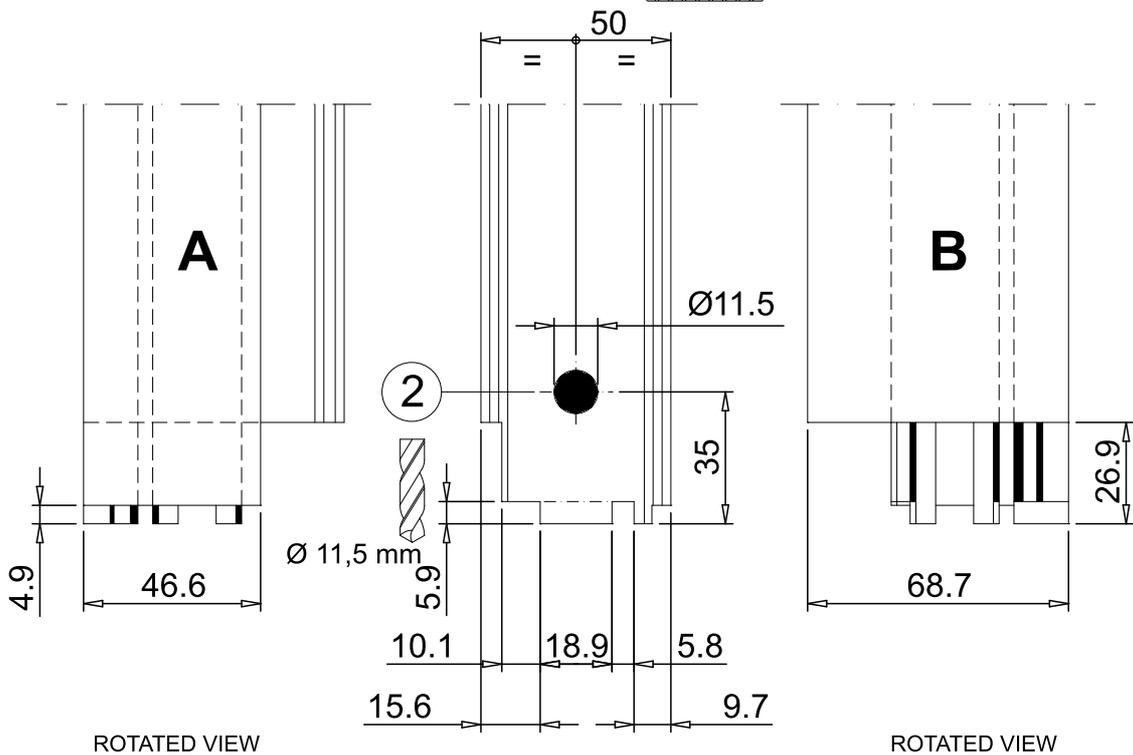
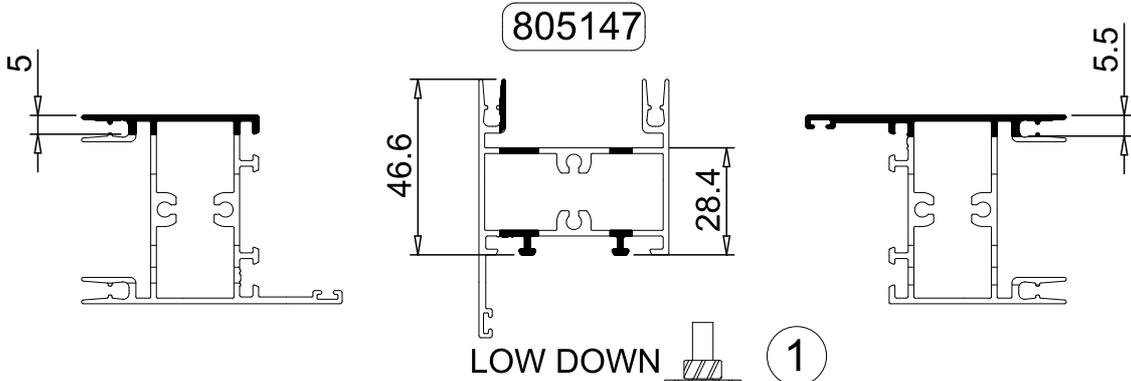
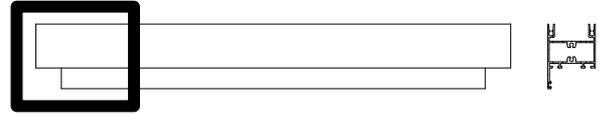
UPPER CROSS BEAM FOR SEMI-FIXED LEAF (805147):

1 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (SEMI-FIXED LEAF LH UPRIGHT)

see *MILLING GROUP* code 103210 chpt. *EQUIPMENT* tab. 1

2 : PERFORATION FOR PASSAGE OF CABLE FOR ACCESSORY 103209 (PHOTOCELL BRACKET KIT)

VIEW FROM AUTOMATED SYSTEM SIDE



UPPER CROSS BEAM FOR SEMI-FIXED LEAF (805147):

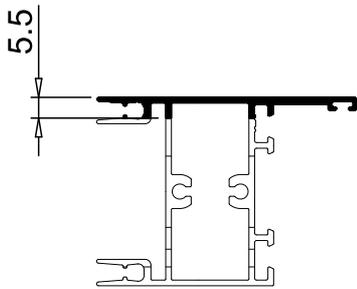
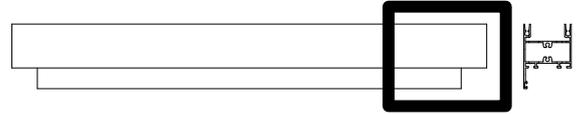
3 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (SEMI-FIXED LEAF RH UPRIGHT)

see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1

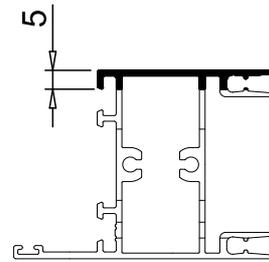
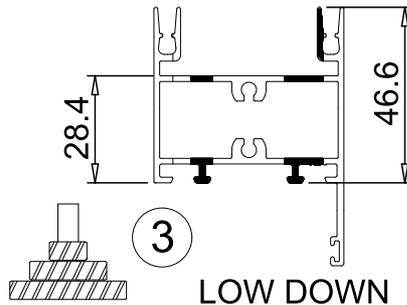
4 : PERFORATION FOR ADJUSTMENT OF ACCESSORY 103214 (SECURING COMPENSATOR)

5 : PERFORATION AND TAPPING FOR INSTALLATION OF ACCESSORY 728459 (UPPER PLATE FOR BALL LOCK)

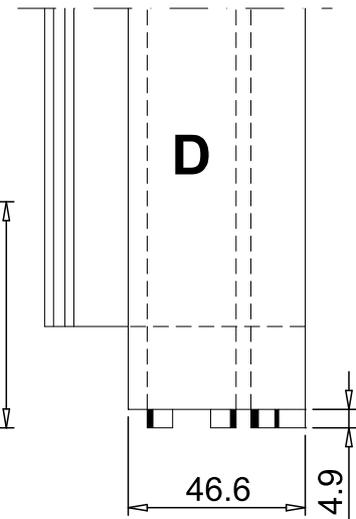
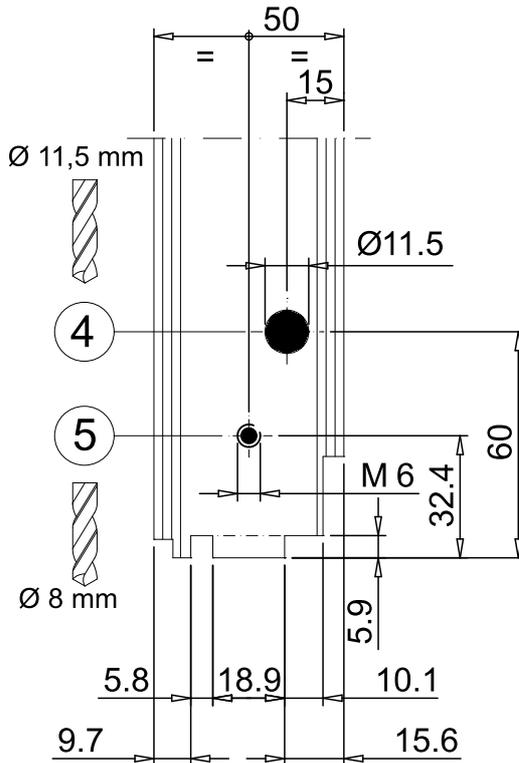
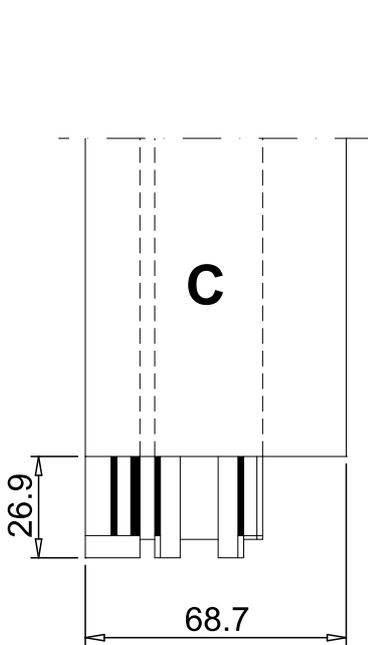
VIEW FROM AUTOMATED SYSTEM SIDE



805147

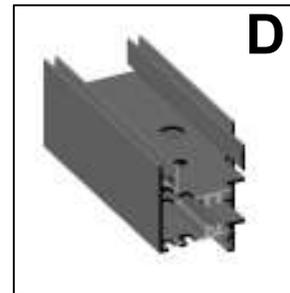
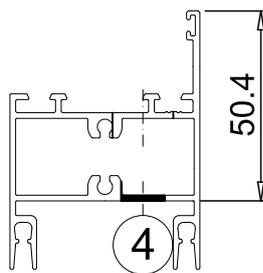
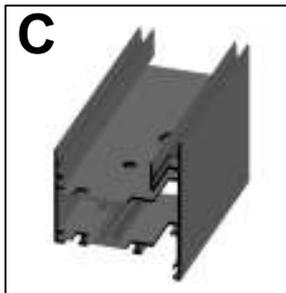


LOW DOWN



ROTATED VIEW

ROTATED VIEW

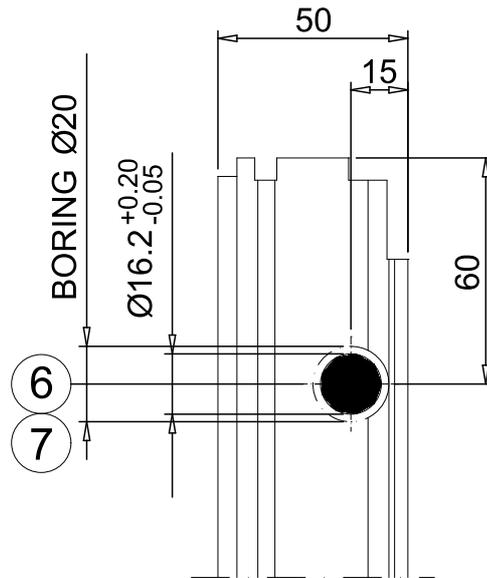
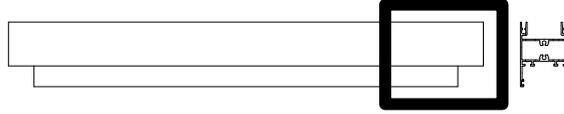


UPPER CROSS BEAM FOR SEMI-FIXED LEAF (805147):

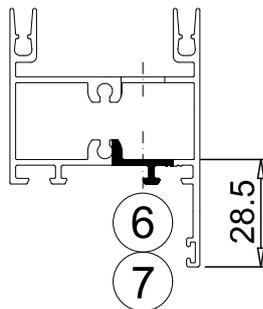
6 : PERFORATION FOR SECURING OF ACCESSORY 103214 (SECURING COMPENSATOR)

7 : BORING FOR PASSAGE OF ACCESSORY 103214 (SECURING COMPENSATOR)

VIEW FROM AUTOMATED SYSTEM SIDE



805147

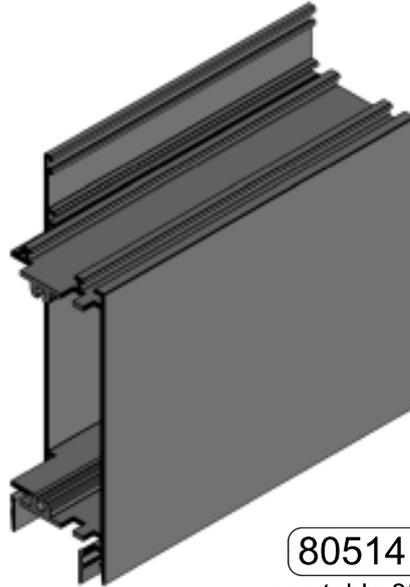


LOW DOWN

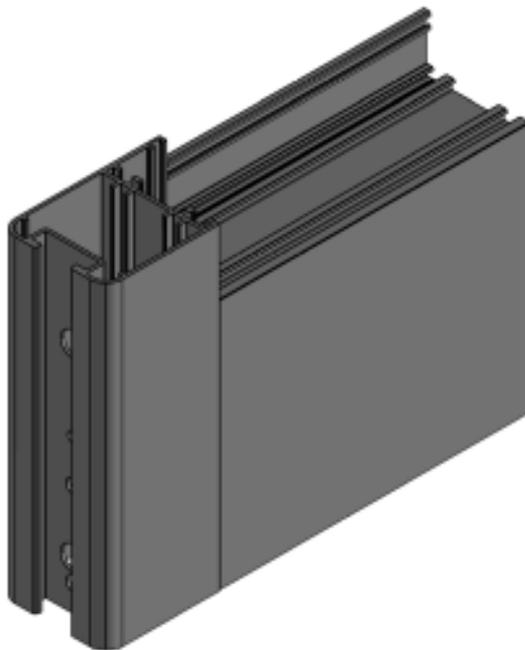
LOWER BASE for SEMI-FIXED LEAF (805141):
ASSEMBLY WITH PROFILE 805143 (SEMI-FIXED LEAF UPRIGHT)

VIEW FROM AUTOMATED SYSTEM SIDE

805143
see table 74



805141
see table 85

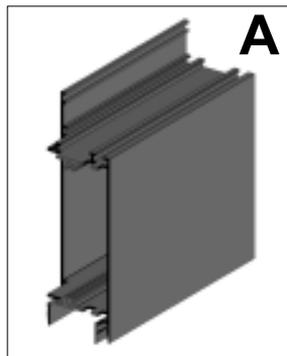
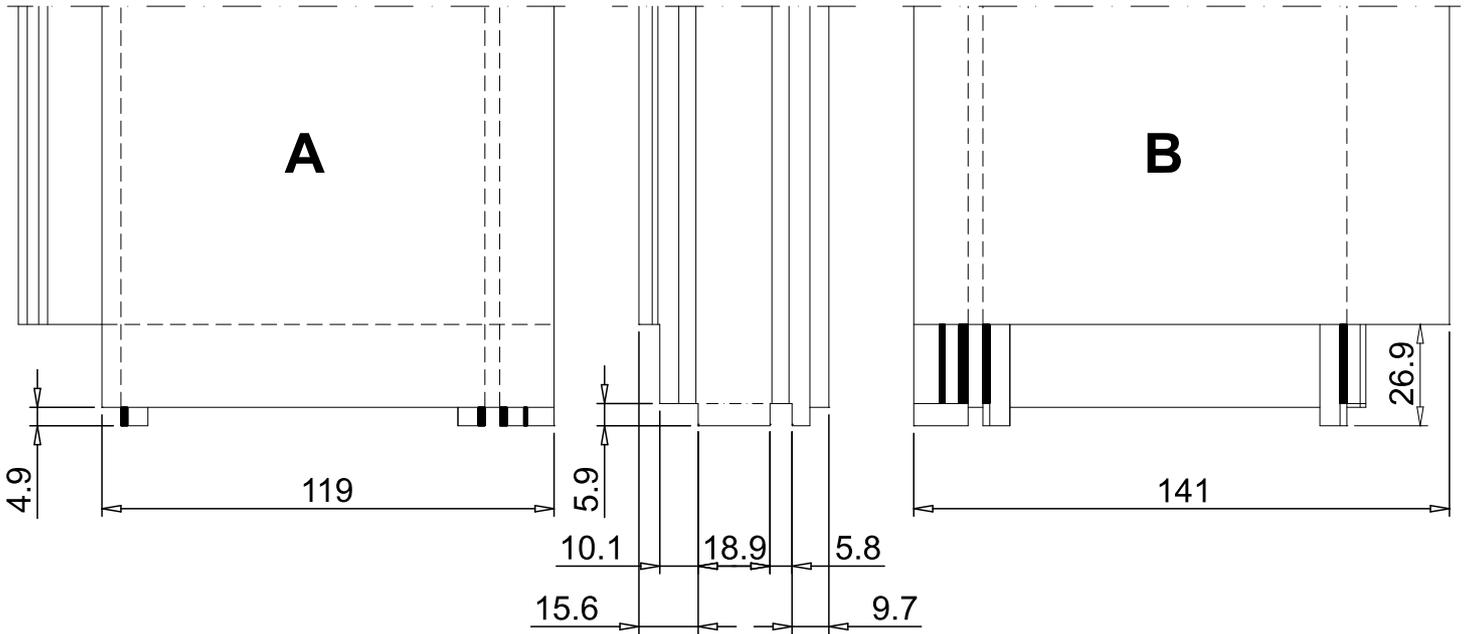
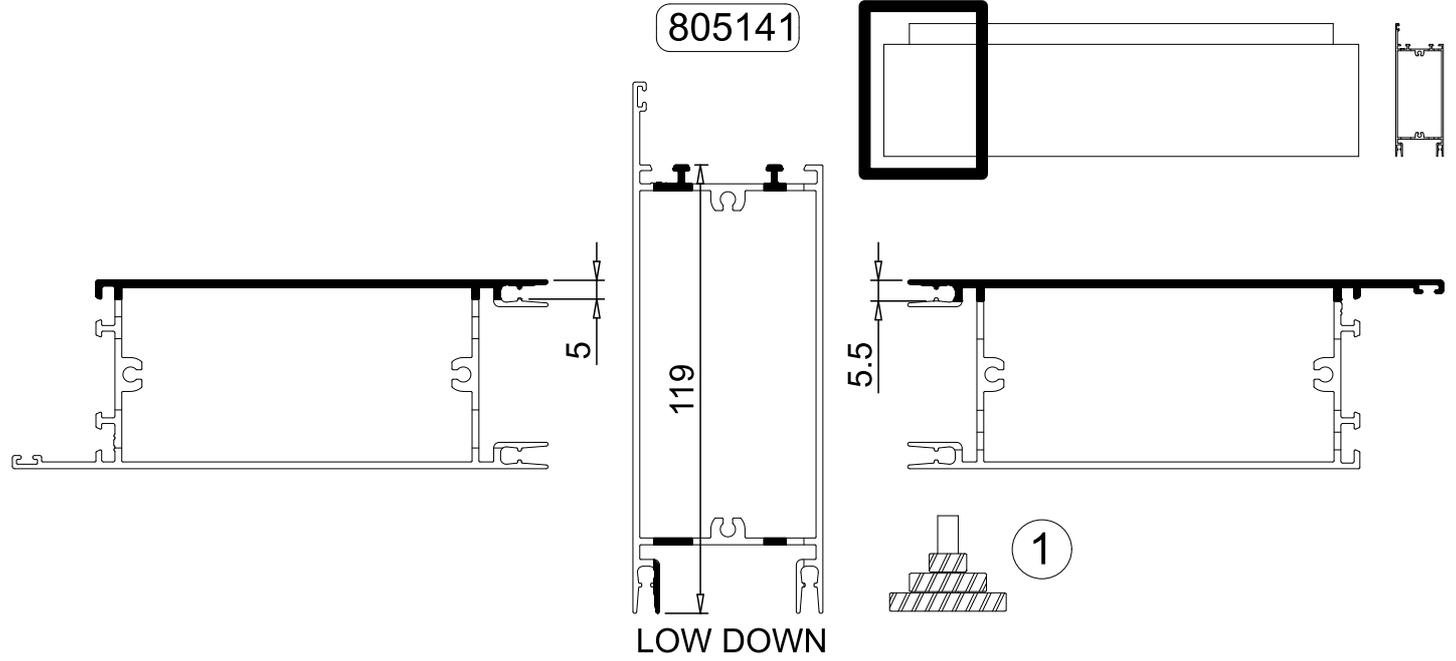


LOWER BASE FOR SEMI-FIXED LEAF (805141):

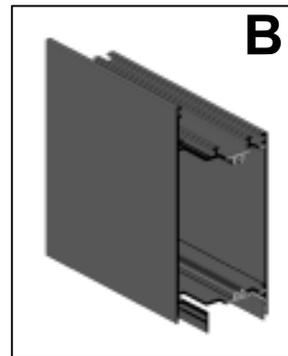
1 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (SEMI-FIXED LEAF LH UPRIGHT)

see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1

VIEW FROM AUTOMATED SYSTEM SIDE

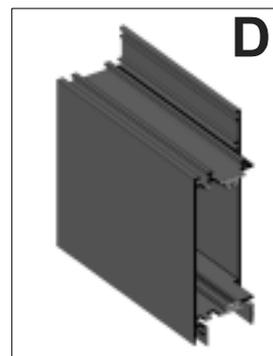
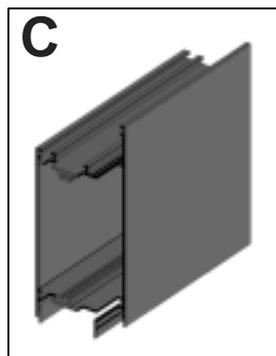
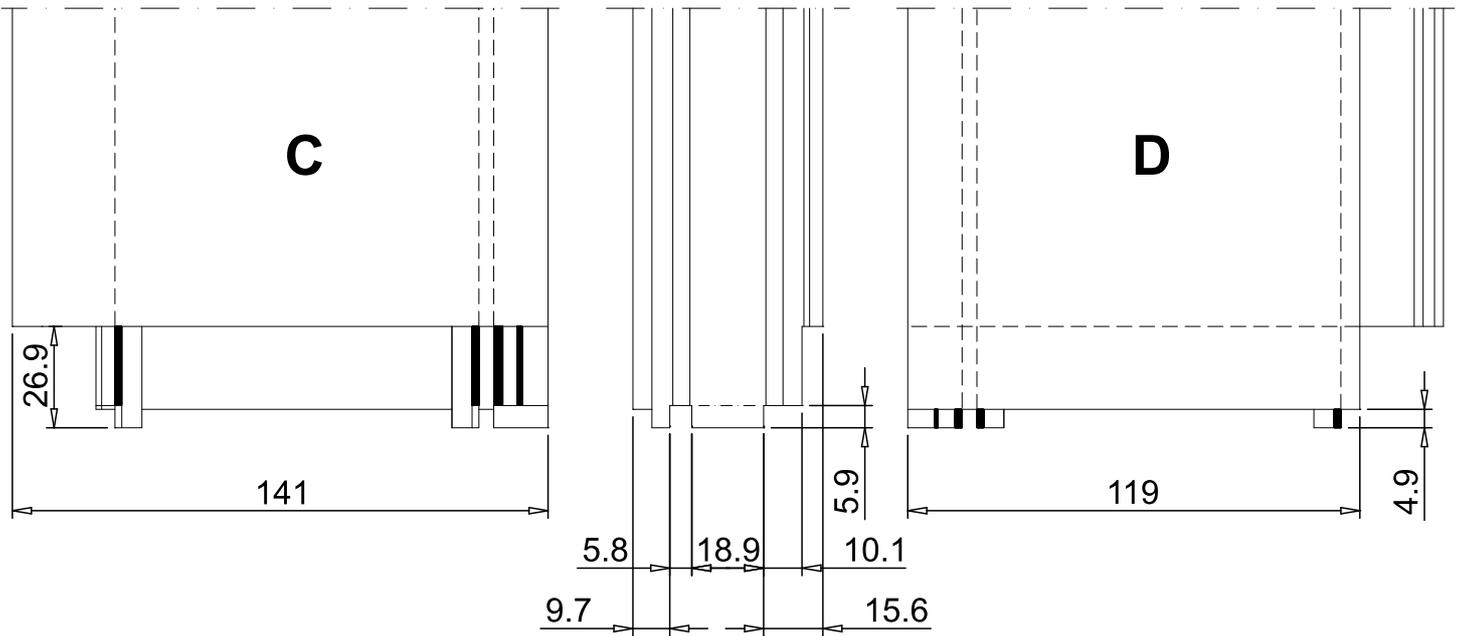
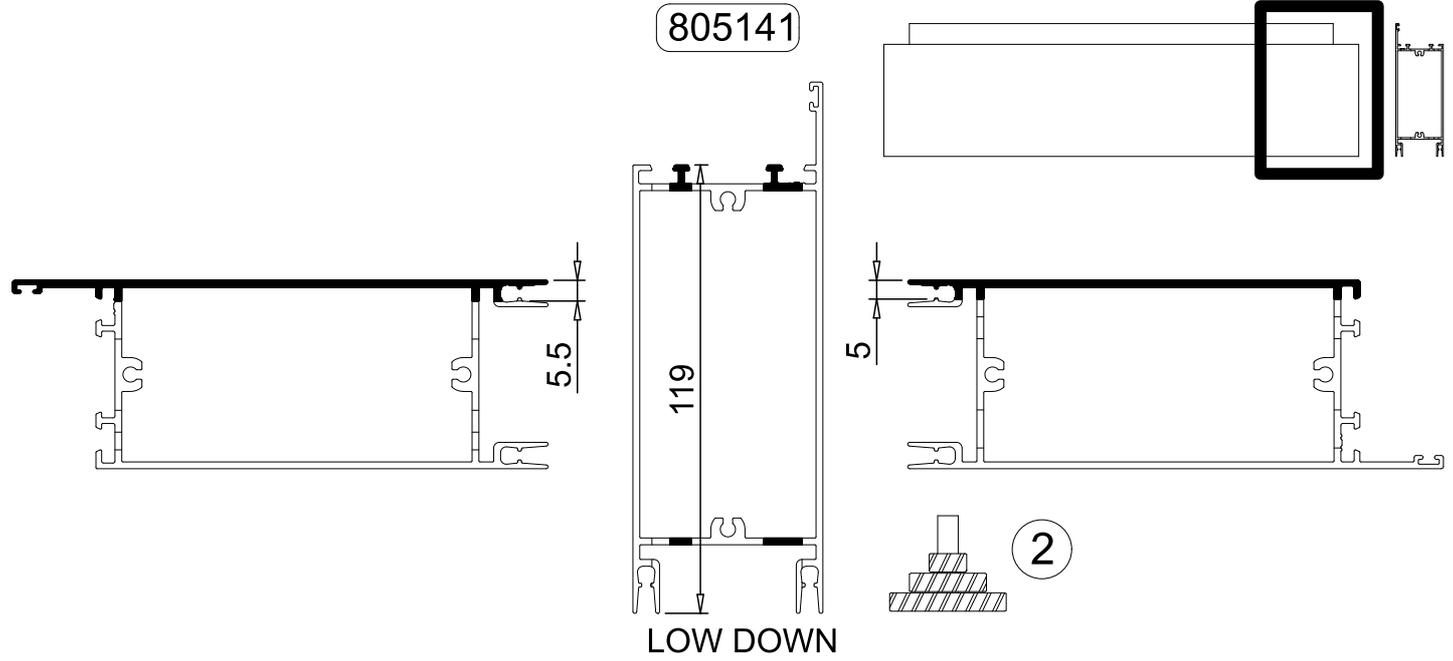


ROTATED VIEWS



LOWER BASE FOR SEMI-FIXED LEAF (805141):
2 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805143 (SEMI-FIXED LEAF RH UPRIGHT)
see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1

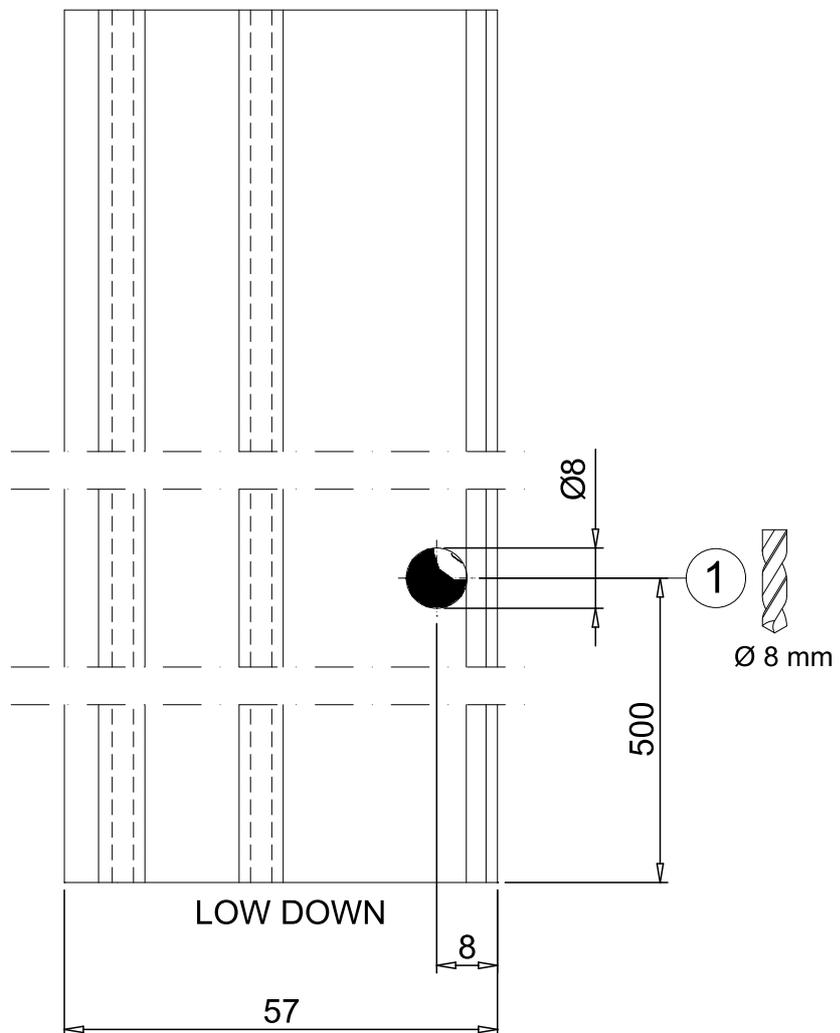
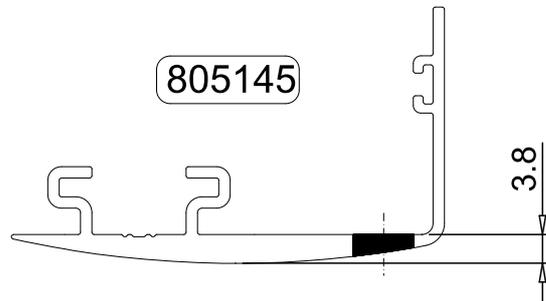
VIEW FROM AUTOMATED SYSTEM SIDE



ROTATED VIEWS

LABYRINTH PROFILE FOR FIXED LEAF (805145):

1 : PERFORATION FOR INSTALLATION OF ACCESSORY 103209 (PHOTOCELL BRACKET KIT) TK 50

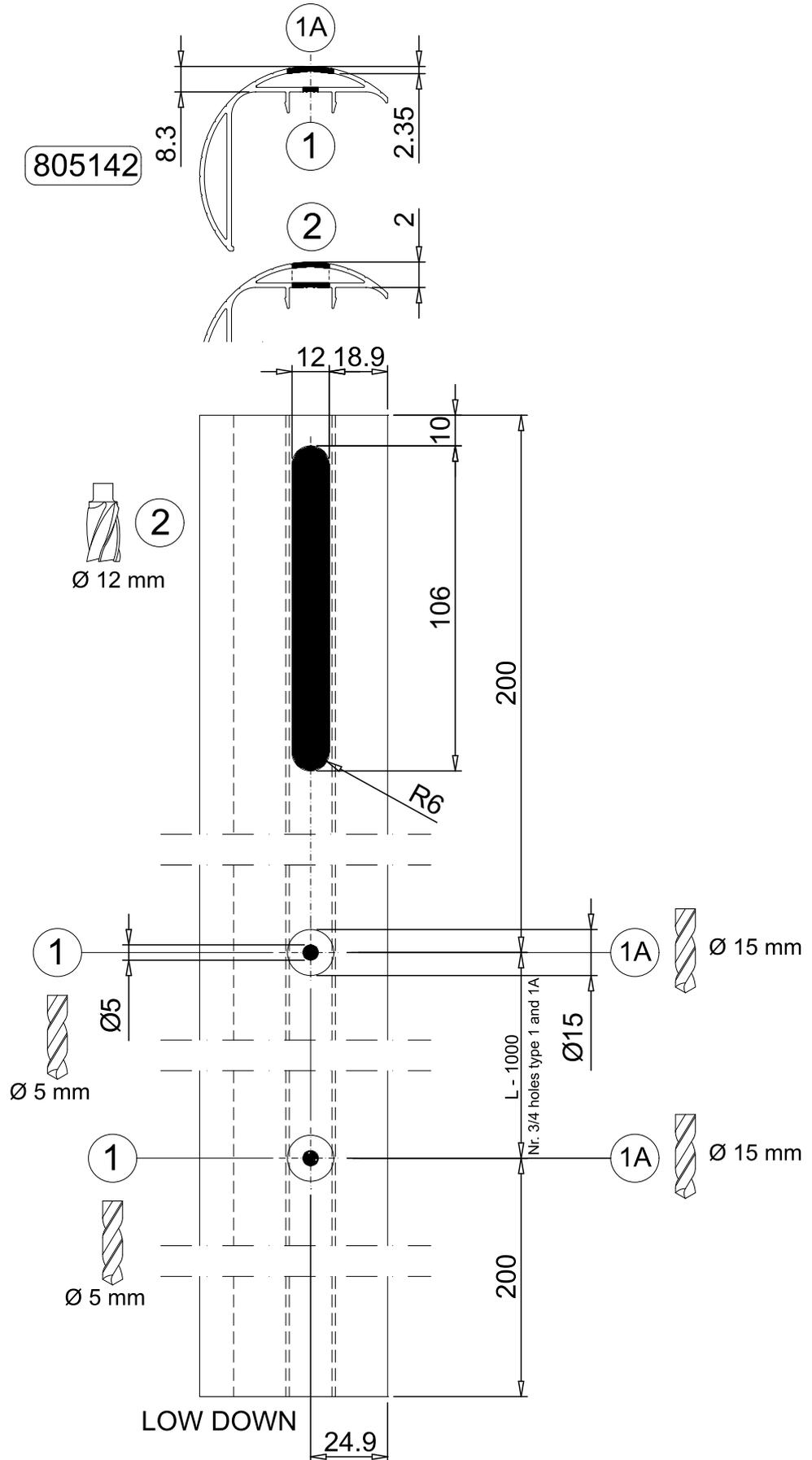


HALF CIRCLE PROFILE for SEMI-FIXED LEAF (805142):

1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805143 (SEMI-FIXED LEAF LH UPRIGHT)

1A : MILLING FOR PASSAGE OF SECURING SCREW HEAD (see point 1)

2 : MILLING FOR REMOVAL OF SECURING SCREWS FOR ACCESSORY 730008 (UPPER HINGE FOR SEMI-FIXED LEAF)



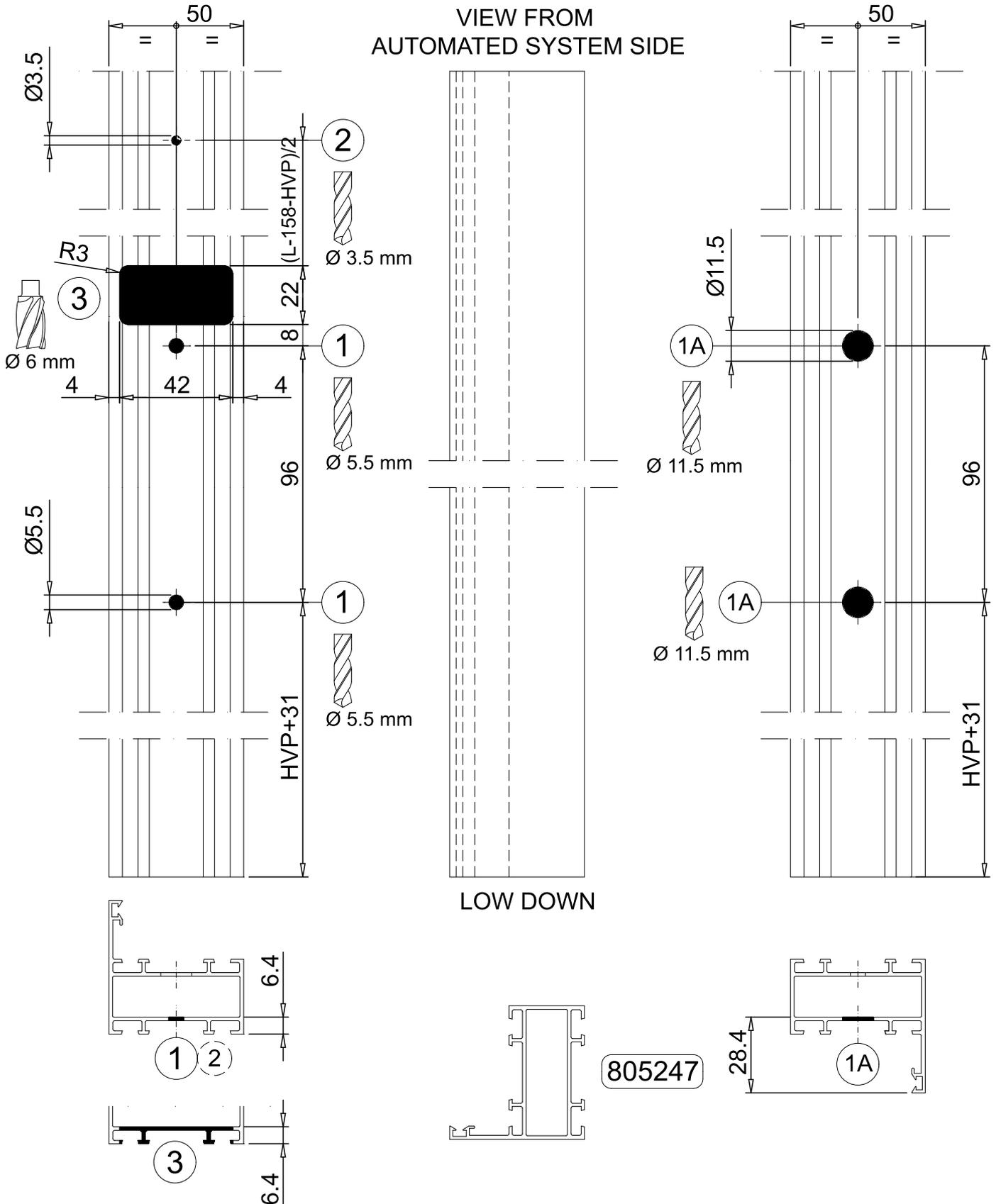
LH UPRIGHT FOR FRAME (805247) :

1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805245 (FRAME BAND)

1A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 1)

2 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805248 (OVER GAP LEAF LH UPRIGHT)

3 : MILLING FOR PASSAGE OF REINFORCEMENT TUBING in STEEL (105845)

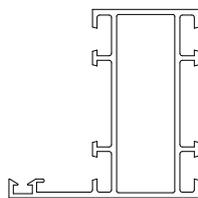
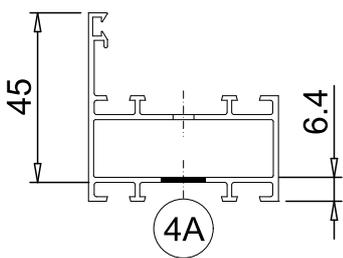
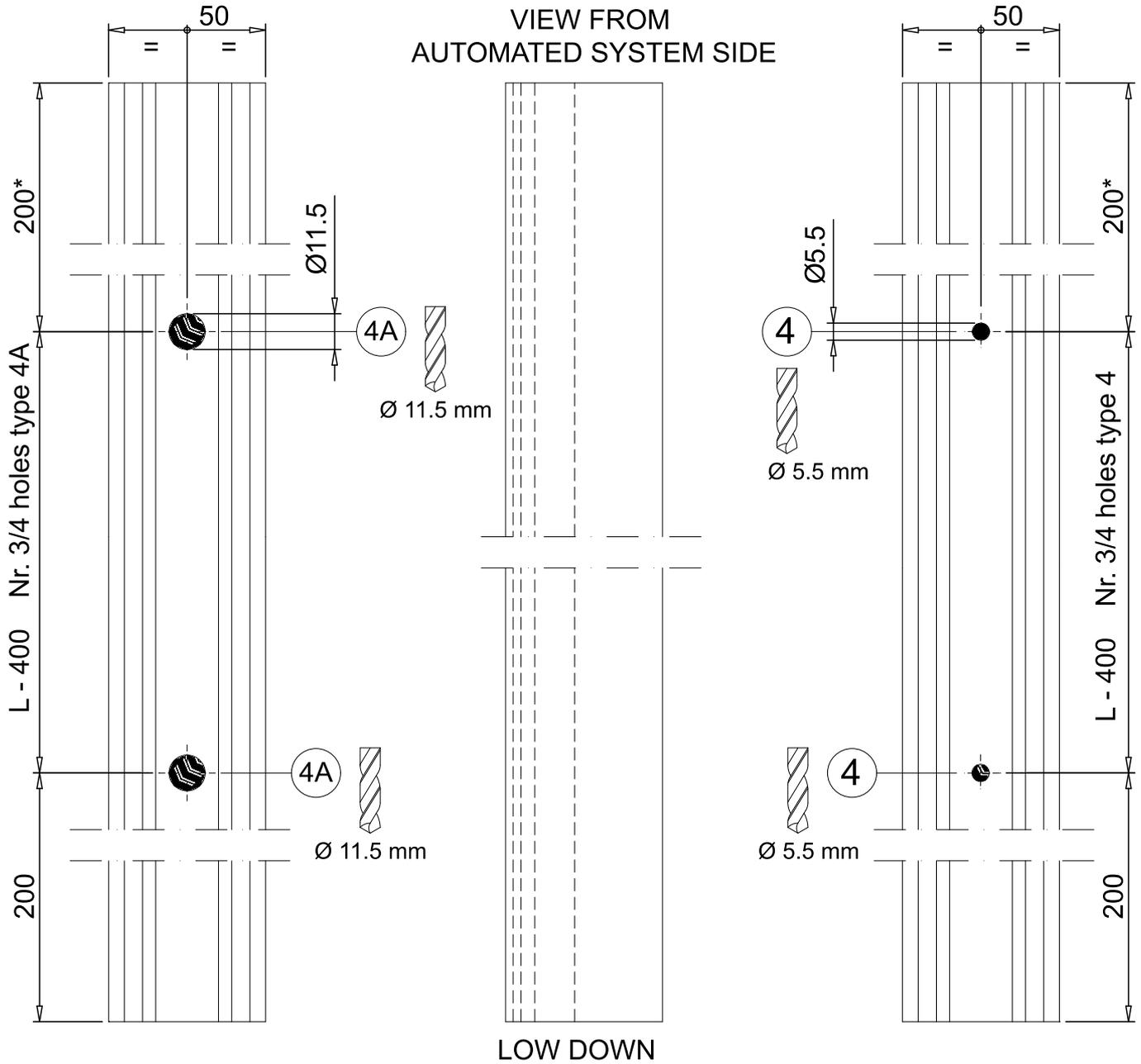


LH UPRIGHT for FRAME (805247) :

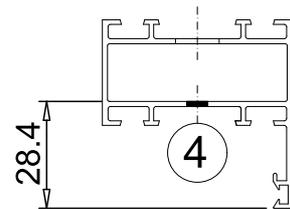
4 : PERFORATION FOR SECURING SCREW TO WALL

4A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 4)

* IMPORTANT: CHECK FOR ANY INTERFERENCE WITH HOLES 1-1A-2 and SECTION BAR 805245 (FRAME BAND)



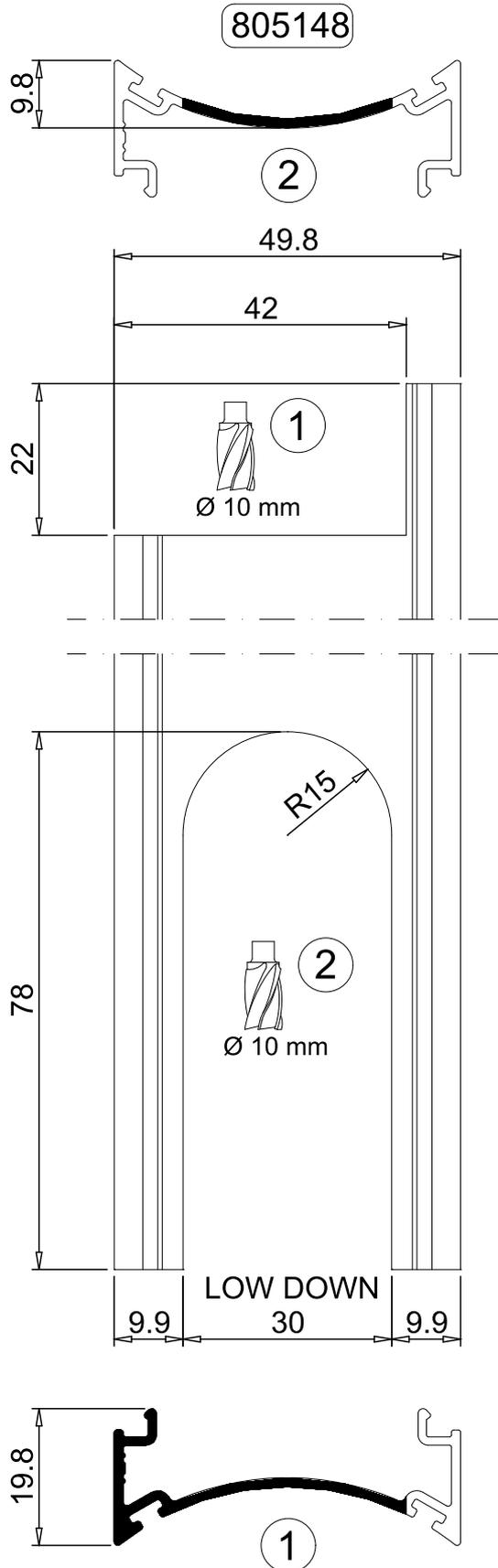
805247



DOOR-FELT COVERING PROFILE (805148):

1 : MILLING FOR INSTALLATION OF SECTION BAR 805245 (FRAME BAND)

2 : MILLING FOR INSTALLATION OF ACCESSORY 728456 (SQUARE BRACKET FOR LOWER HINGE)



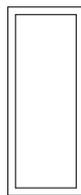
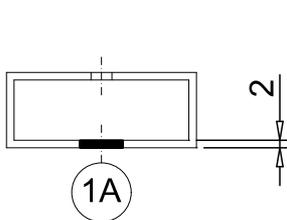
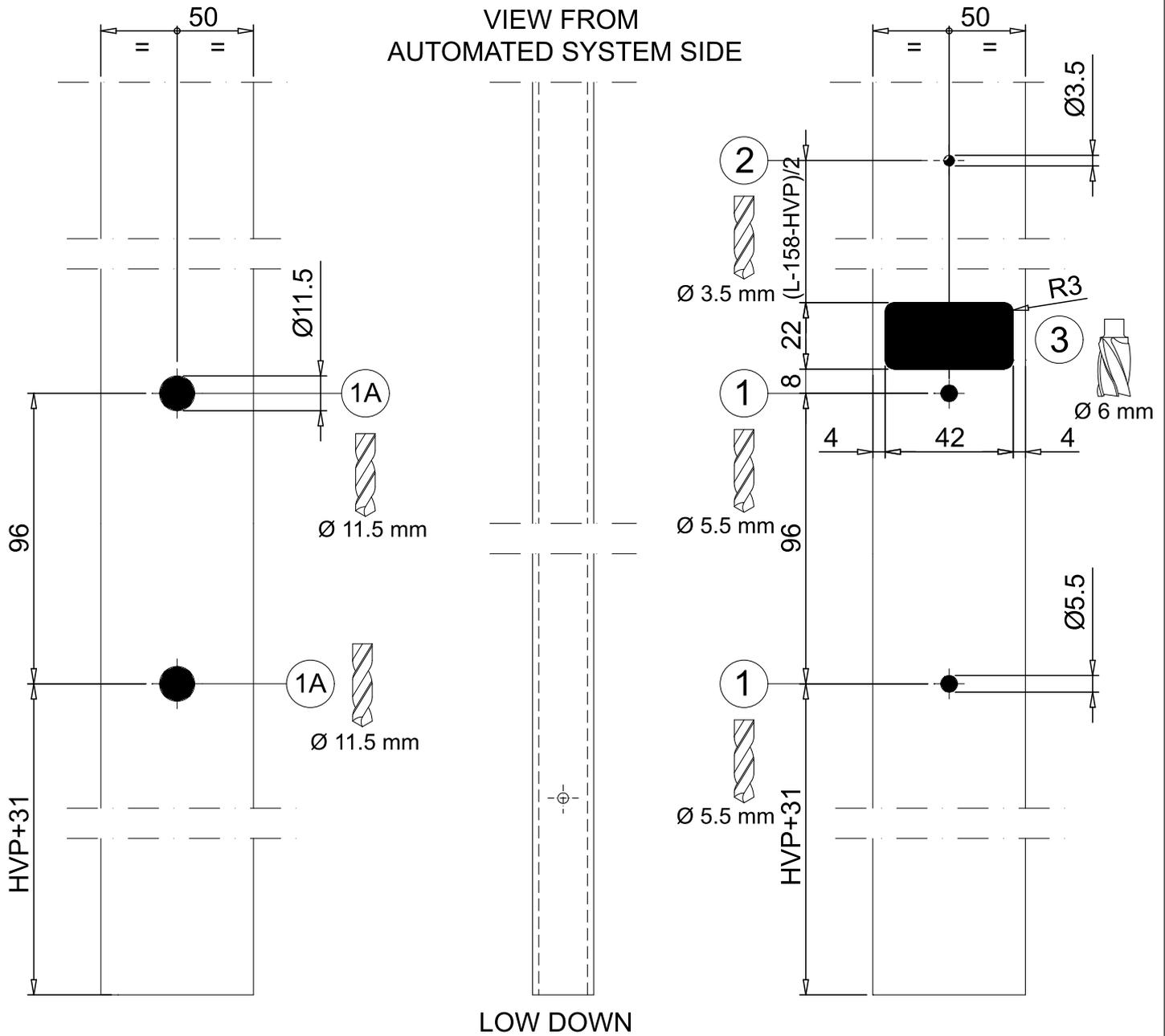
RH UPRIGHT FOR FRAME (805226):

1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805245 (FRAME BAND)

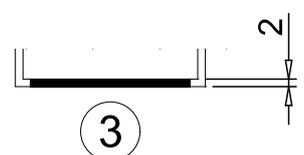
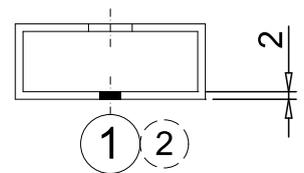
1A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 1)

2 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805248 (OVER GAP LEAF RH UPRIGHT)

3 : MILLING FOR PASSAGE OF REINFORCEMENT TUBING in STEEL (105845)



805226



RH UPRIGHT for FRAME (805226):

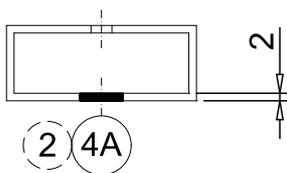
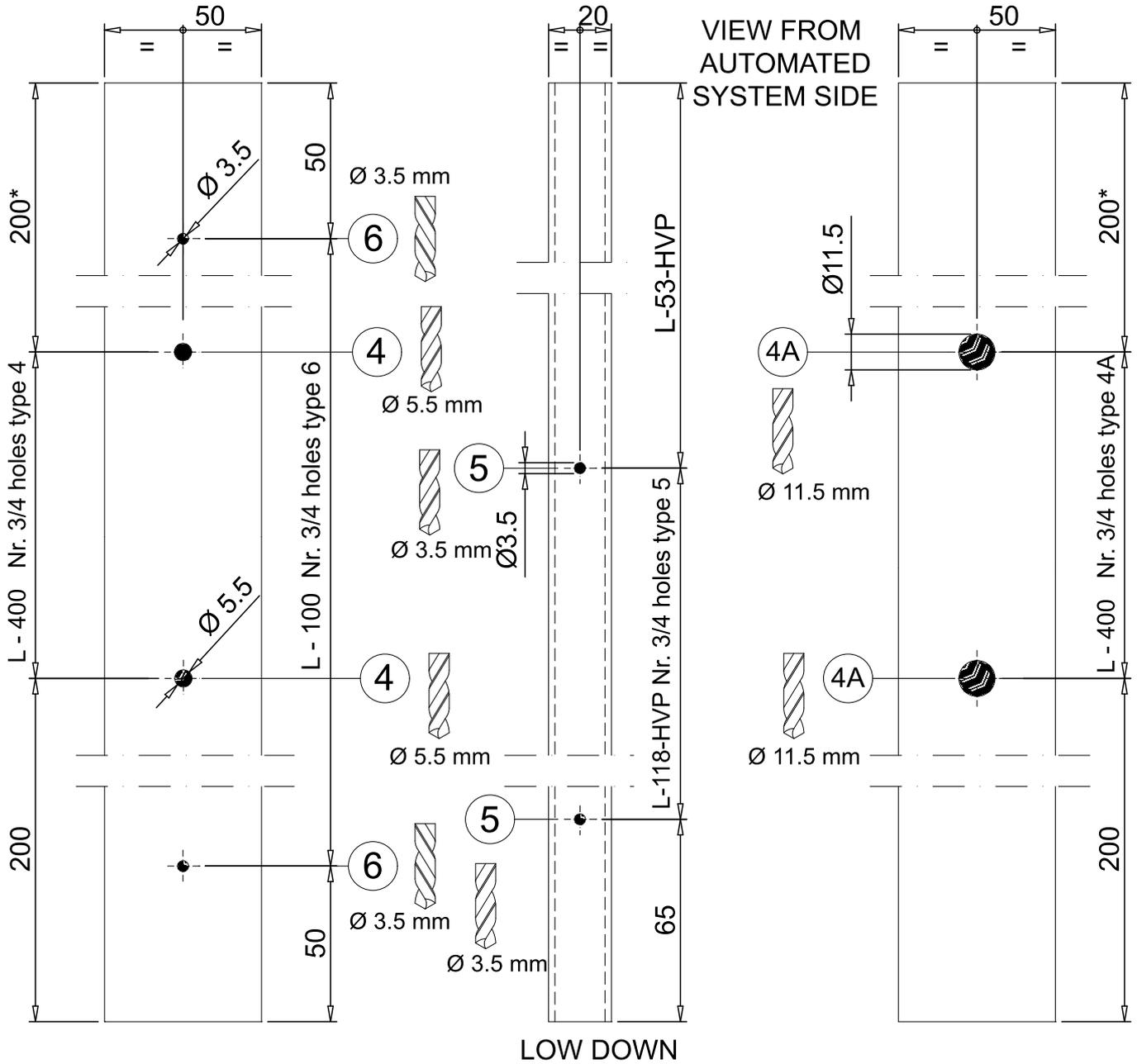
4 : PERFORATION FOR SECURING SCREW TO WALL

4A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 4)

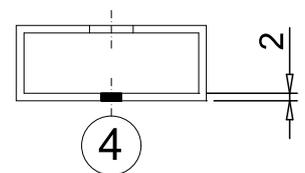
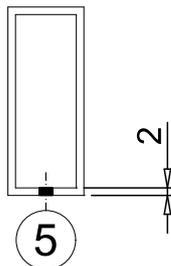
5 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805228 (CONTACT POINT TUBING)

6 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805231 (CONTACT POINT ANGLED ELEMENT)

*** IMPORTANT: CHECK FOR ANY INTERFERENCE WITH HOLES 1-1A-2
and SECTION BAR 805245 (FRAME BAND)**



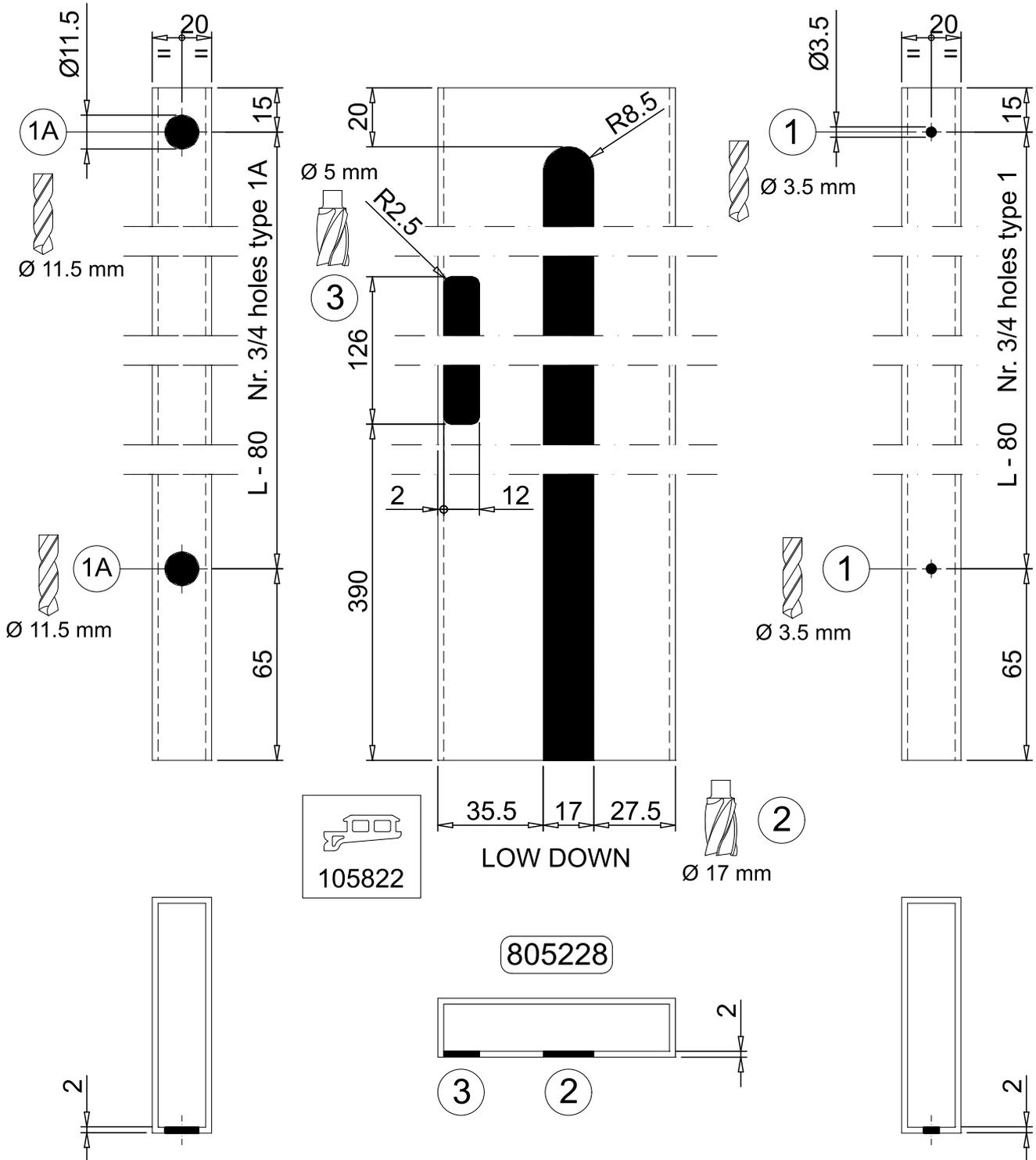
805226



CONTACT POINT TUBING for FRAME RH UPRIGHT (805228) :

- 1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805226 (FRAME RH UPRIGHT)
- 1A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 1)
- 2 : MILLING FOR INSTALLATION OF ACCESSORY 105822 (CONTACT SEAL)
- 3 : MILLING FOR INSTALLATION OF ACCESSORY 103209 (PHOTOCELL BRACKET KIT)

VIEW FROM
AUTOMATED SYSTEM SIDE

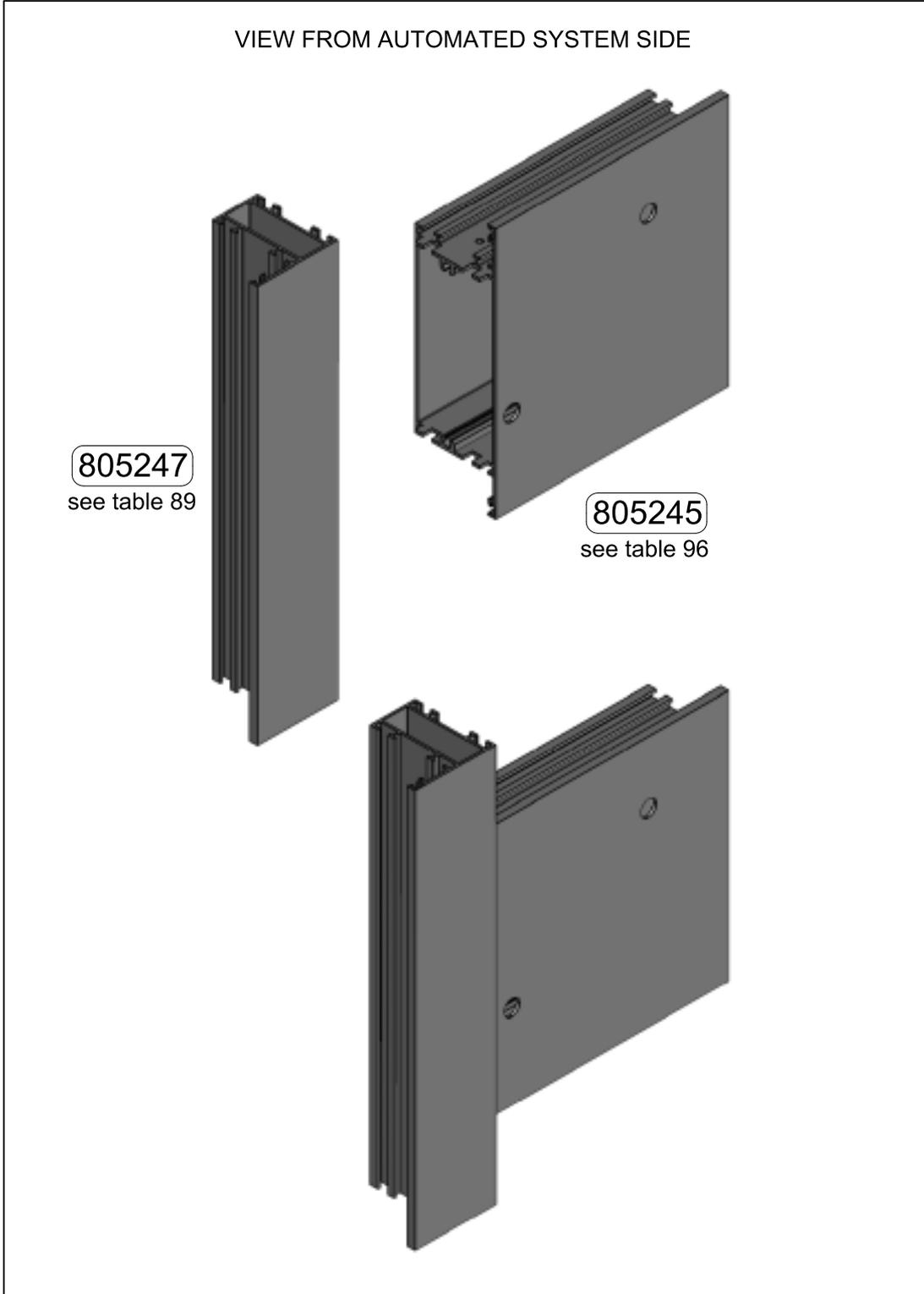


LH UPRIGHT FOR FRAME (805247):
ASSEMBLY WITH SECTION BAR 805245 (FRAME BAND)

VIEW FROM AUTOMATED SYSTEM SIDE

805247
see table 89

805245
see table 96

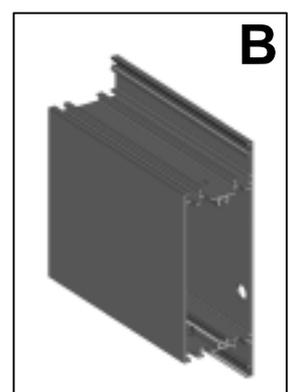
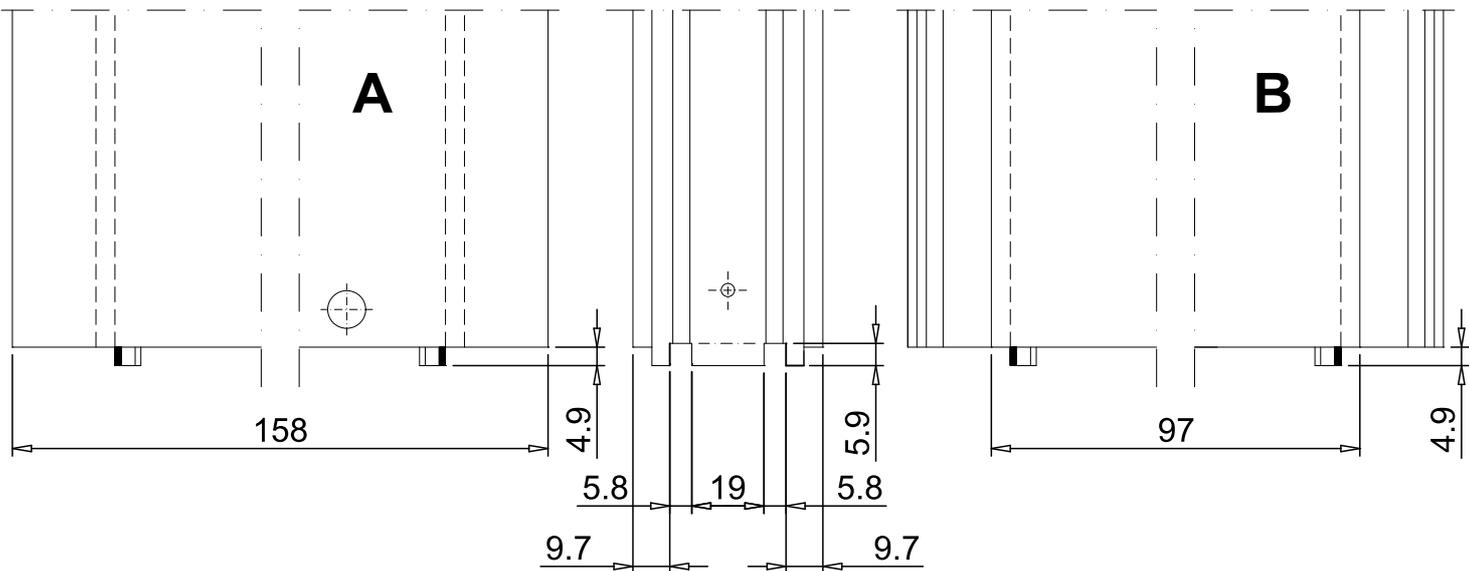
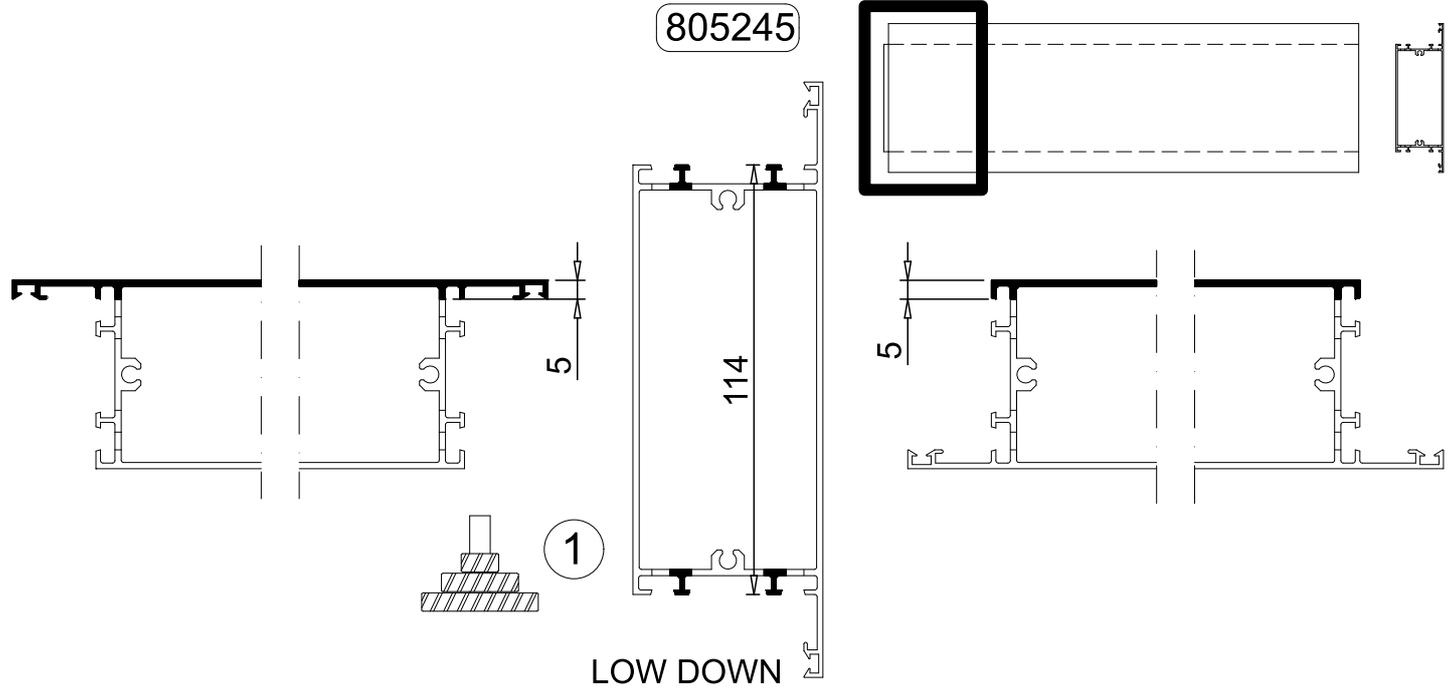


FRAME BAND (805245):

1 : BUTT JOINT FOR ASSEMBLY WITH PROFILE 805247 (FRAME LH UPRIGHT)

see MILLING GROUP code 103210 chpt. EQUIPMENT tab. 1

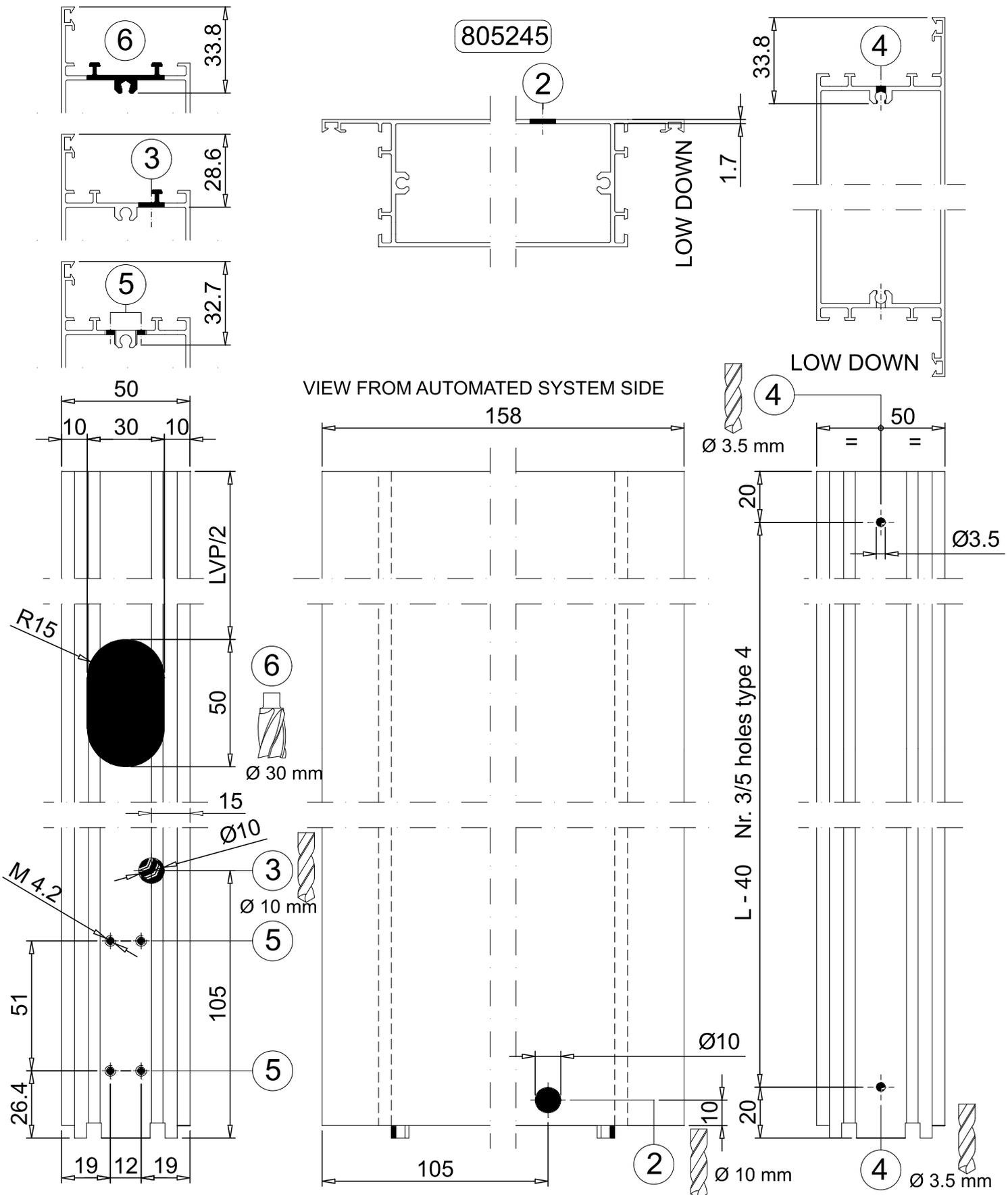
VIEW FROM AUTOMATED SYSTEM SIDE



ROTATED VIEWS

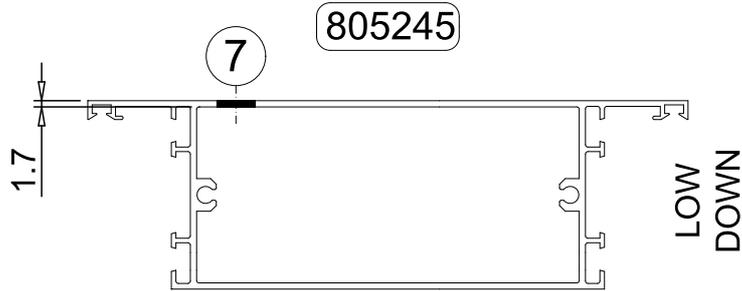
FRAME BAND (805245):

- 2 : PERFORATION FOR PASSAGE OF ELECTRIC CABLE FOR ACCESSORY 103209 (PHOTOCELL BRACKET KIT)
- 3 : PERFORATION FOR PASSAGE OF ELECTRIC CABLE FOR ACCESSORY 103209 (PHOTOCELL BRACKET KIT)
- 4 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 105845 (REINFORCEMENT TUBING)
- 5 : PERFORATION AND TAPPING FOR SECURING SCREW FOR ACCESSORY 720366 (UPPER HINGE BRACKET FOR SEMI-FIXED LEAF)
- 6 : MILLING FOR ASSEMBLY OF ACCESSORY 728455 (PLATE FOR SECURING MICROSWITCH) AND ACCESSORY SP-4770 (STRIKER PLATE)

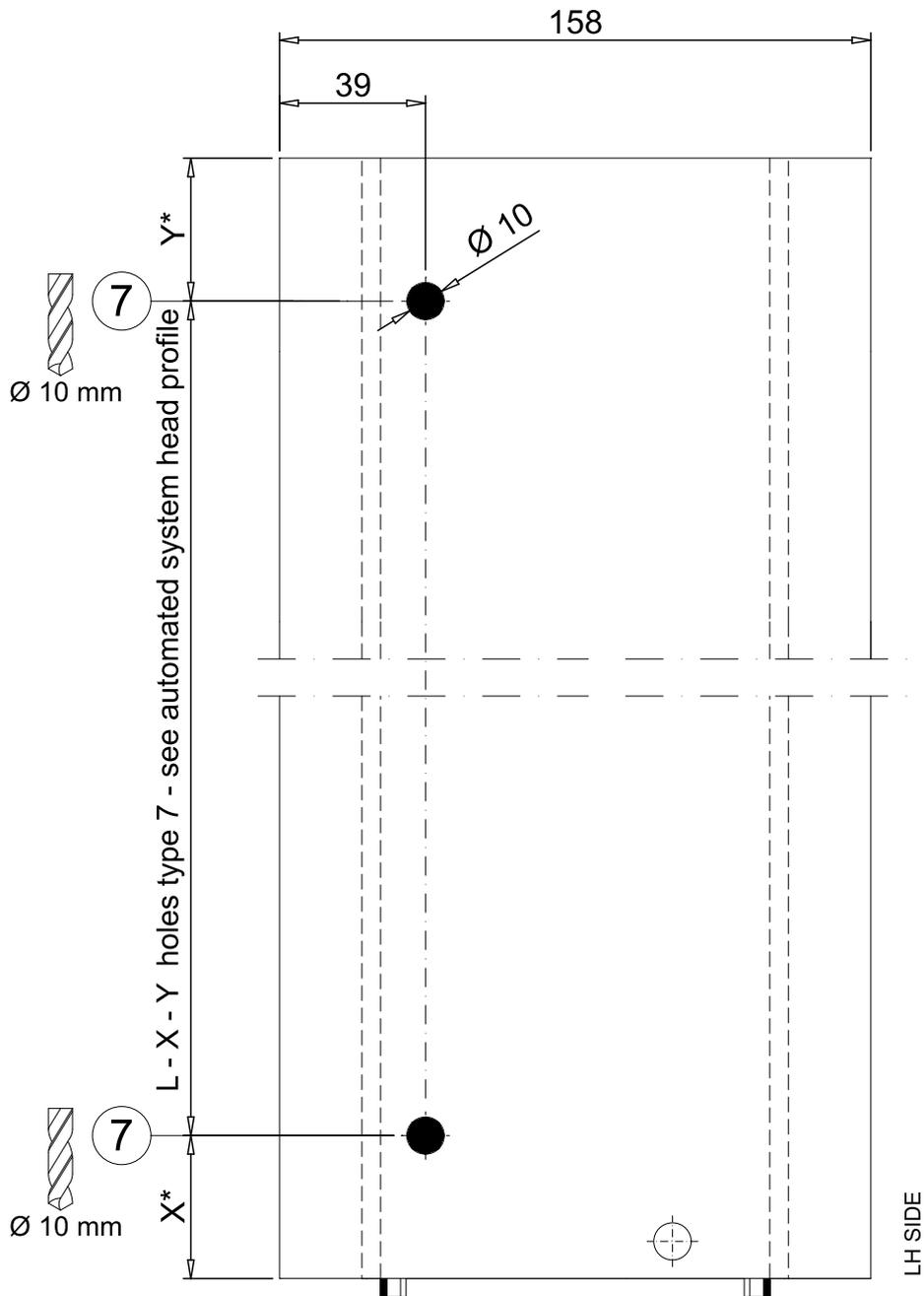


FRAME BAND (805245):

7 : PERFORATION FOR INSTALLATION OF AUTOMATED SYSTEM HEAD PROFILE TYPE 930N SF



VIEW FROM AUTOMATED SYSTEM SIDE



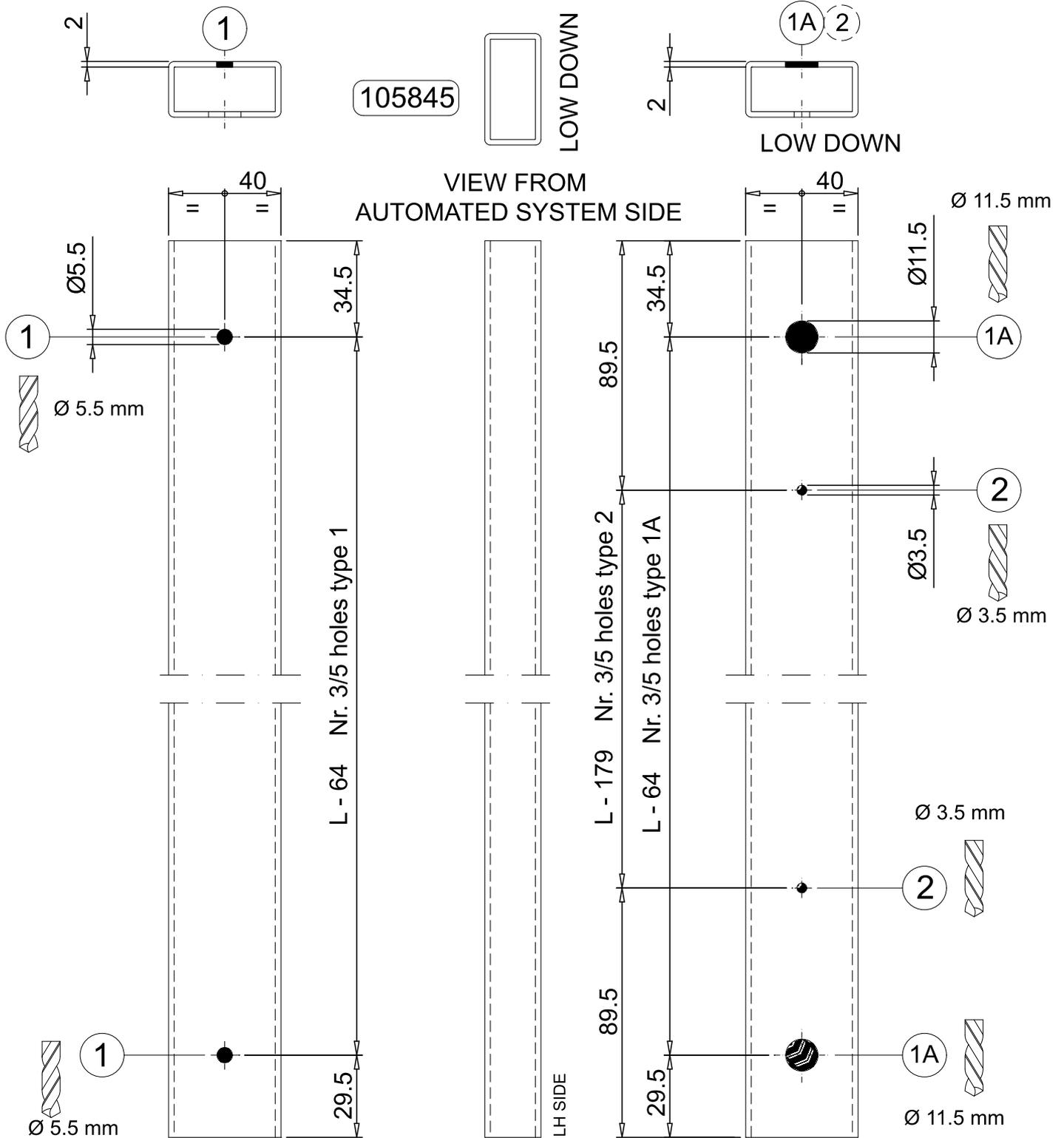
* see automated system head profile

REINFORCEMENT TUBING in STEEL (105845):

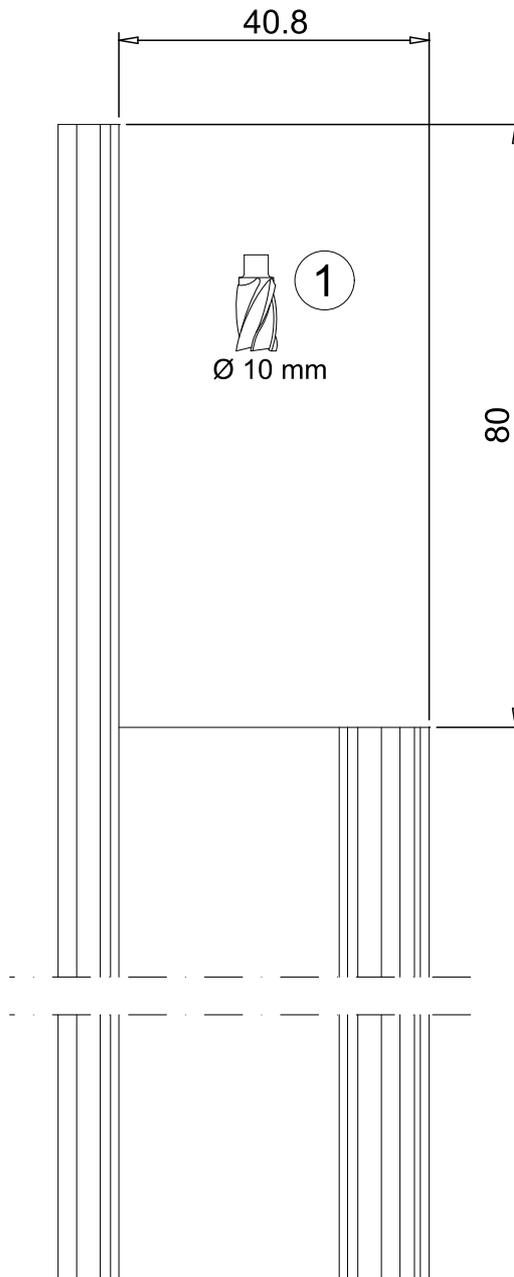
1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805245 (FRAME BAND)

1A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 1)

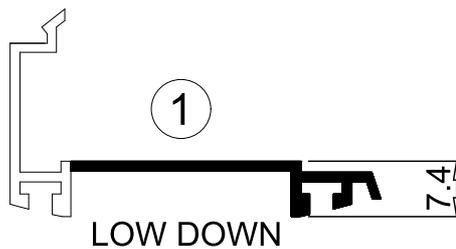
2 : PERFORATION FOR SECURING SCREW FOR SECTION BAR 805249 (OVER GAP LEAF LOWER CROSS BEAM)



BRUSH CARRIER PROFILE (805152):
1 : MILLING FOR INSTALLATION OF SECTION BAR 805245 (FRAME BAND)

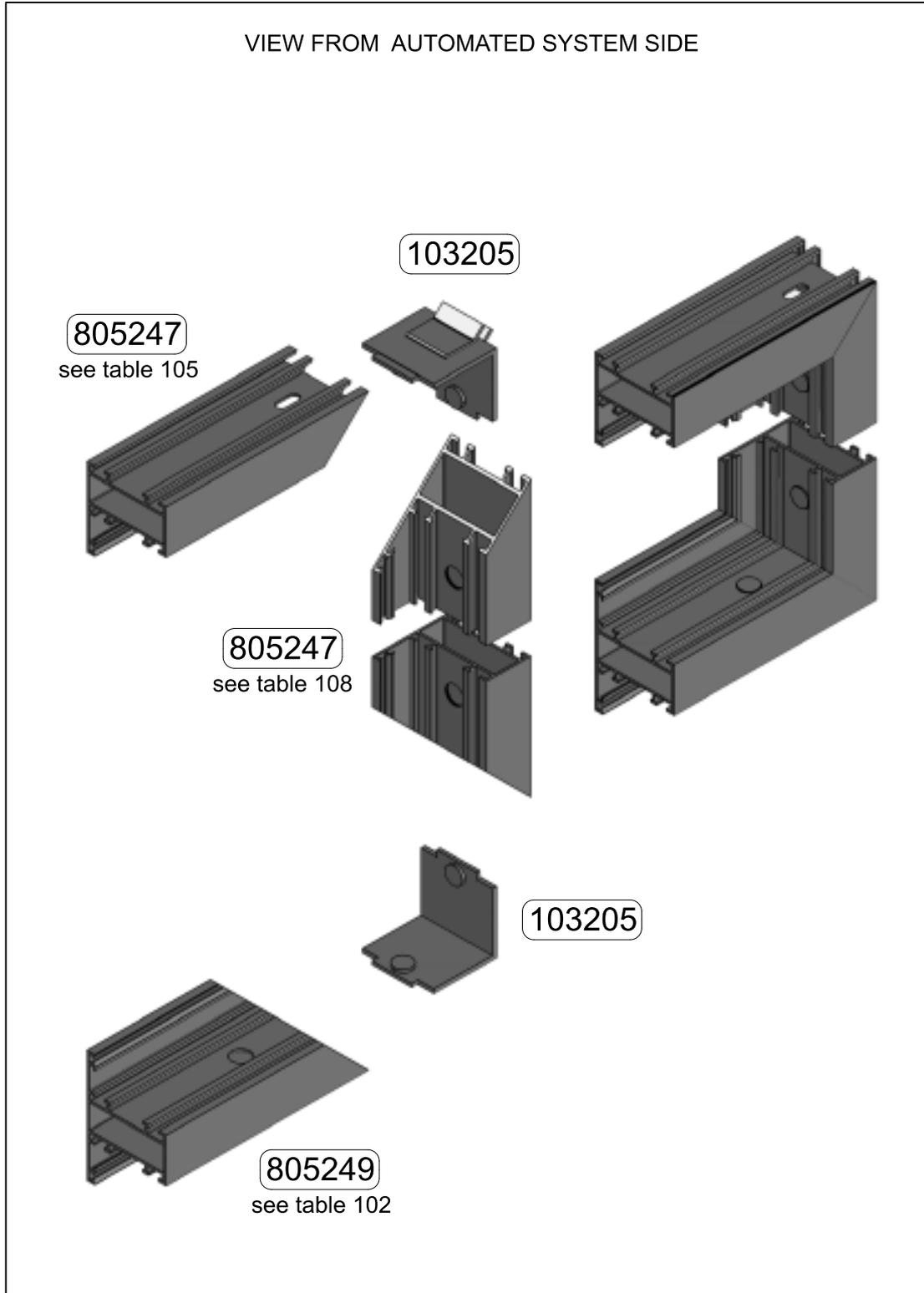


805152



UPRIGHT FOR OVER GAP LEAF (805247):
ASSEMBLY WITH SECTION BARS 805249 (LOWER CROSS BEAM FOR OVER GAP LEAF)
and 805247 (UPPER CROSS BEAM FOR OVER GAP LEAF)

VIEW FROM AUTOMATED SYSTEM SIDE

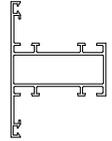
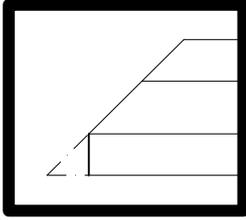


LOWER CROSS BEAM for OVER GAP LEAF (805249):

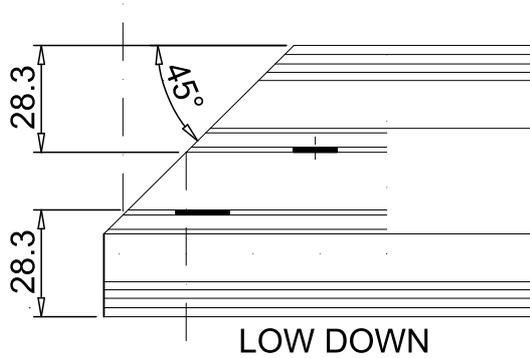
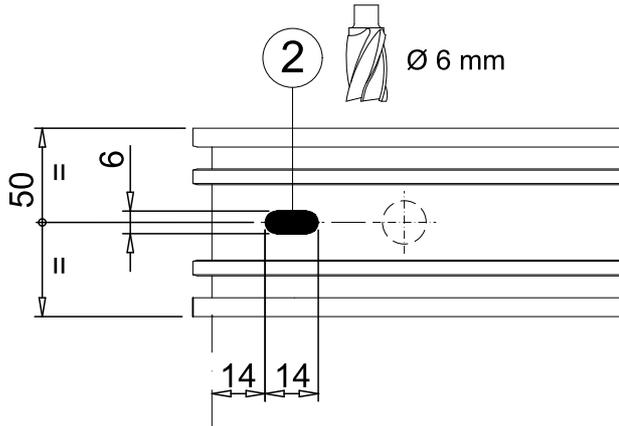
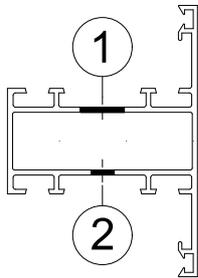
1 : PERFORATION FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

2 : MILLING FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

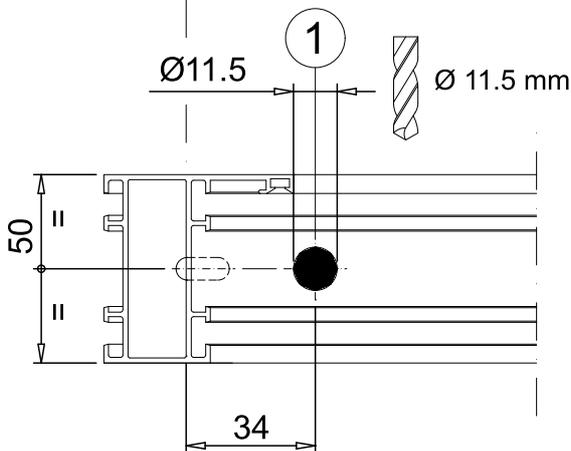
VIEW FROM AUTOMATED SYSTEM SIDE



805249



VIEW FROM AUTOMATED SYSTEM SIDE

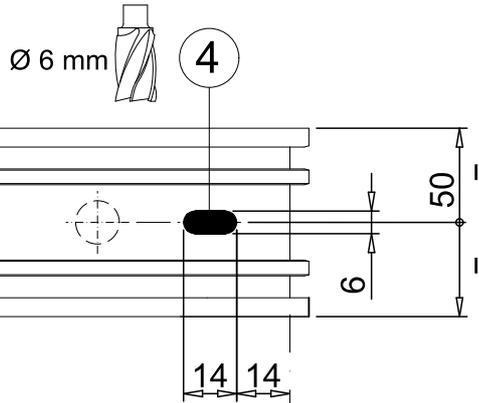
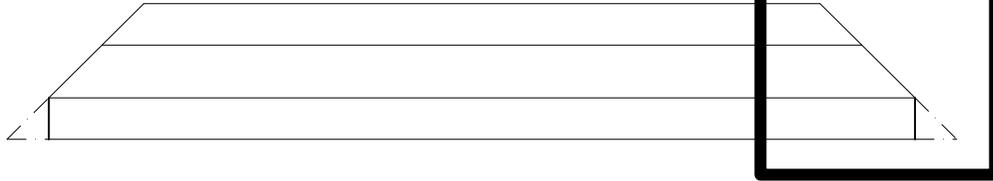
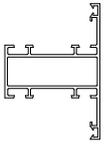


LOWER CROSS BEAM FOR OVER GAP LEAF (805249):

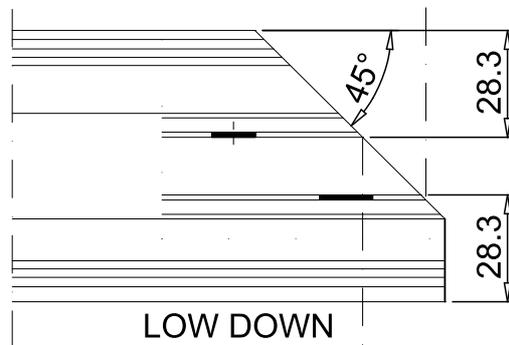
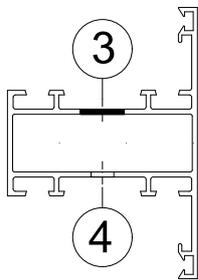
3 : PERFORATION FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

4 : MILLING FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

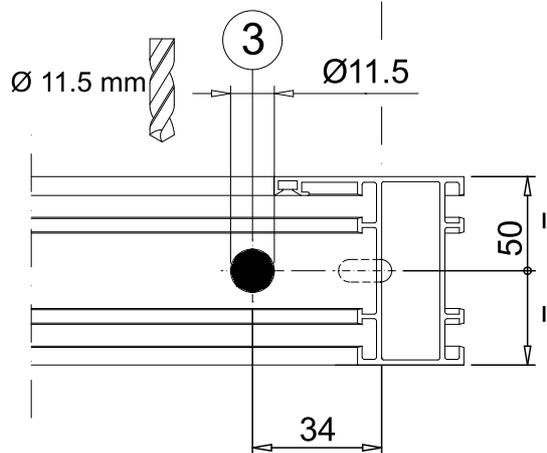
VIEW FROM AUTOMATED SYSTEM SIDE



805249



VIEW FROM AUTOMATED SYSTEM SIDE

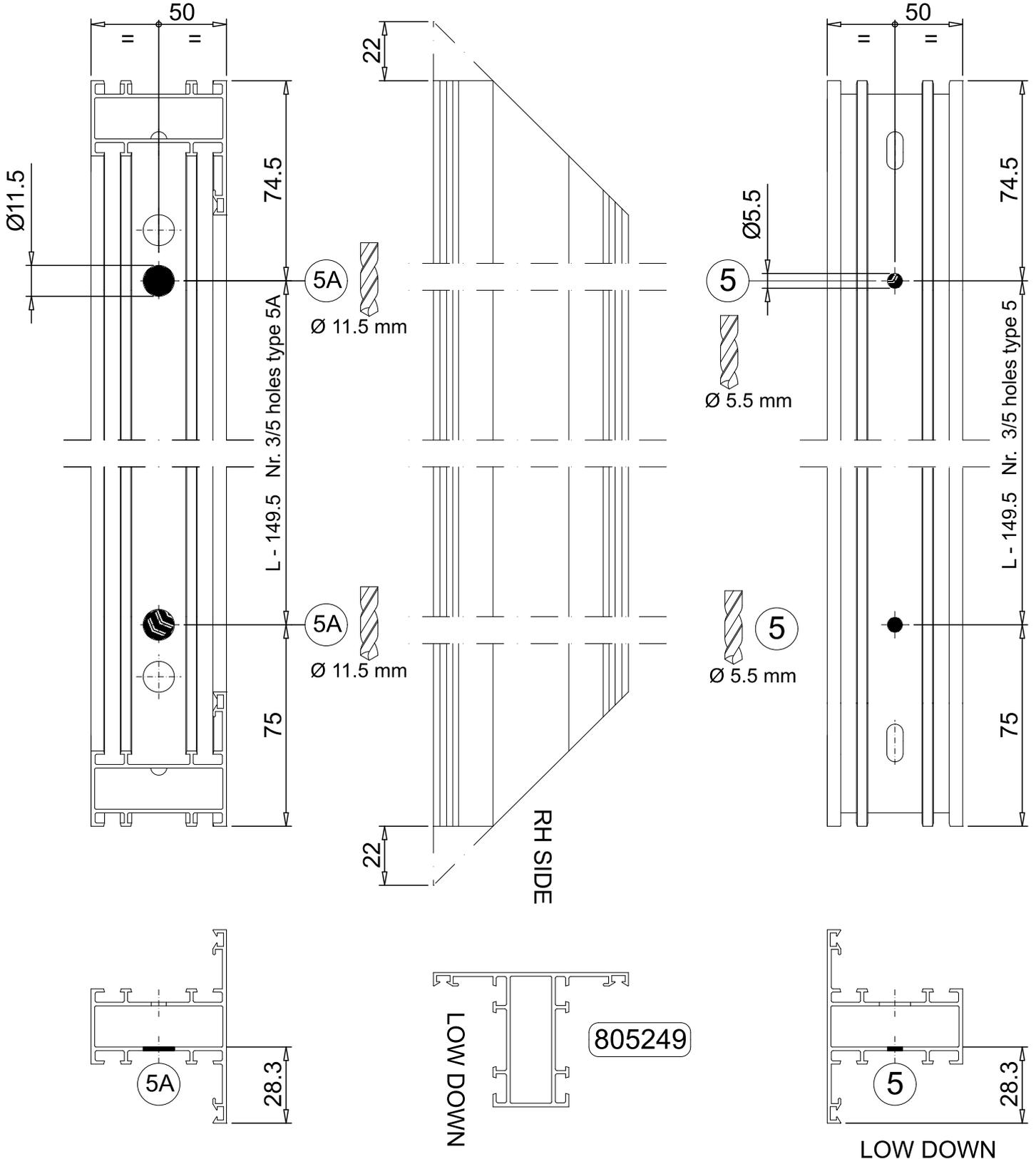


LOWER CROSS BEAM for OVER GAP LEAF (805249):

5 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 105845 (REINFORCEMENT TUBING)

5A : PERFORATION FOR PASSAGE OF SECURING SCREW HEAD (see point 5)

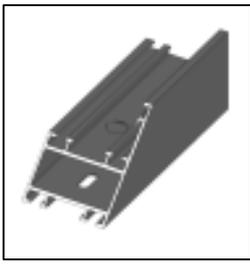
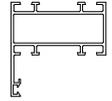
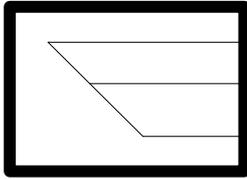
VIEW FROM AUTOMATED SYSTEM SIDE



UPPER CROSS BEAM FOR OVER GAP LEAF (805247):

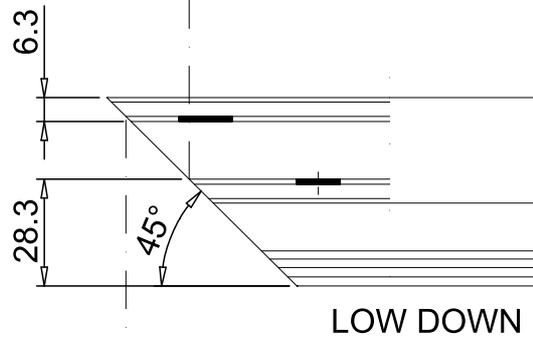
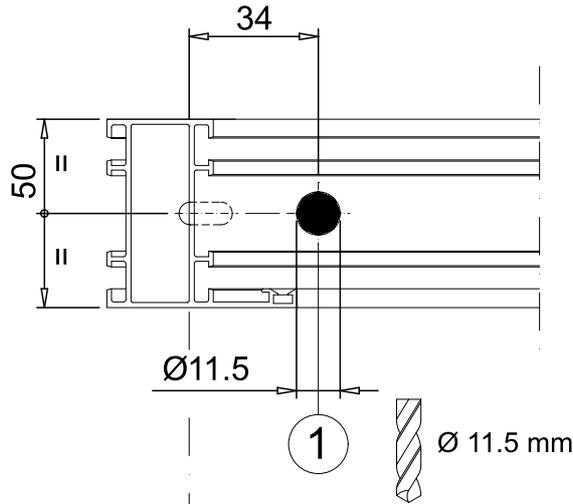
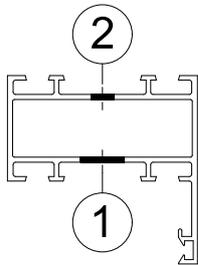
- 1 : PERFORATION FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)
- 2 : MILLING FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

VIEW FROM AUTOMATED SYSTEM SIDE

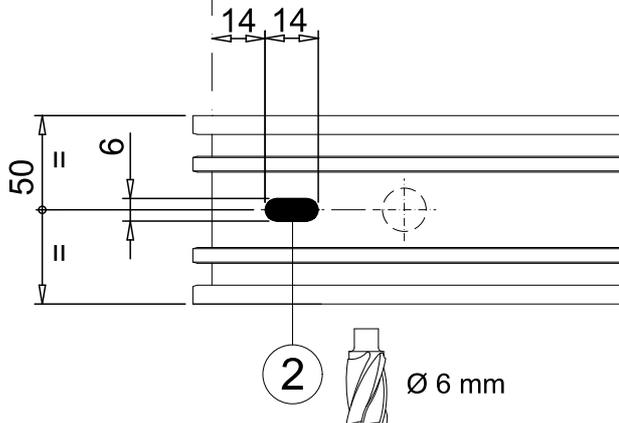


ROTATED VIEW

805247



VIEW FROM
AUTOMATED SYSTEM SIDE

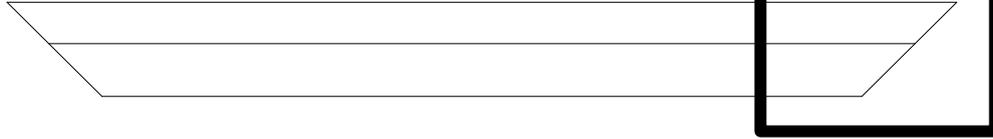
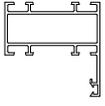


UPPER CROSS BEAM FOR OVER GAP LEAF (805247):

3 : PERFORATION FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

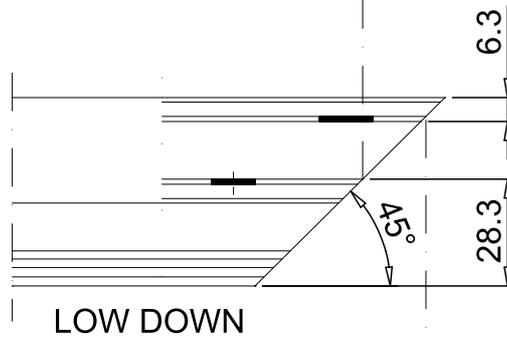
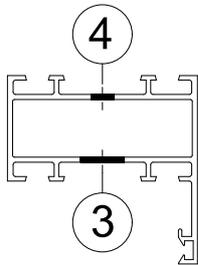
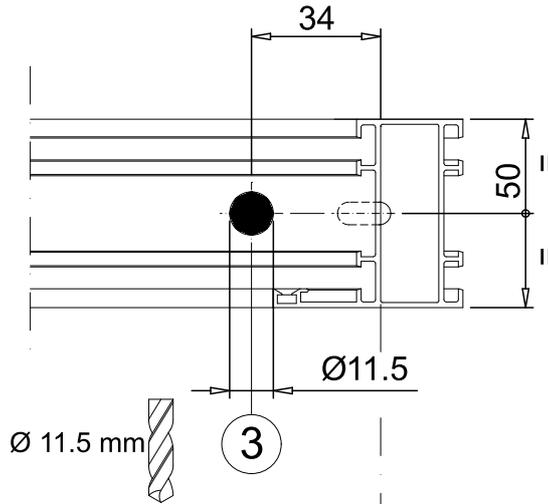
4 : MILLING FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)

VIEW FROM AUTOMATED SYSTEM SIDE

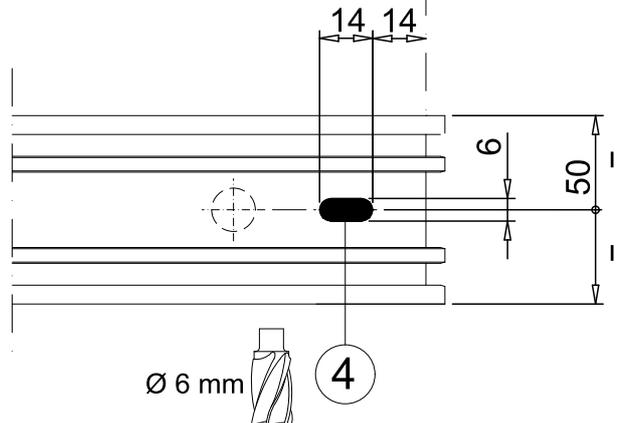


ROTATED VIEW

805247



VIEW FROM
AUTOMATED SYSTEM SIDE



UPPER CROSS BEAM for OVER GAP LEAF (805247):

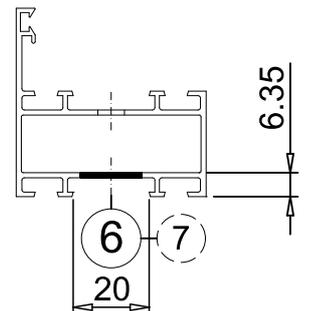
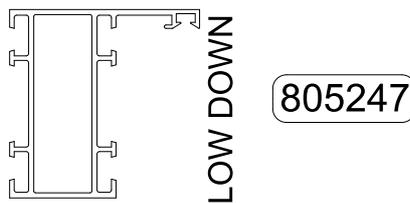
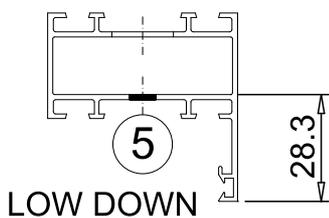
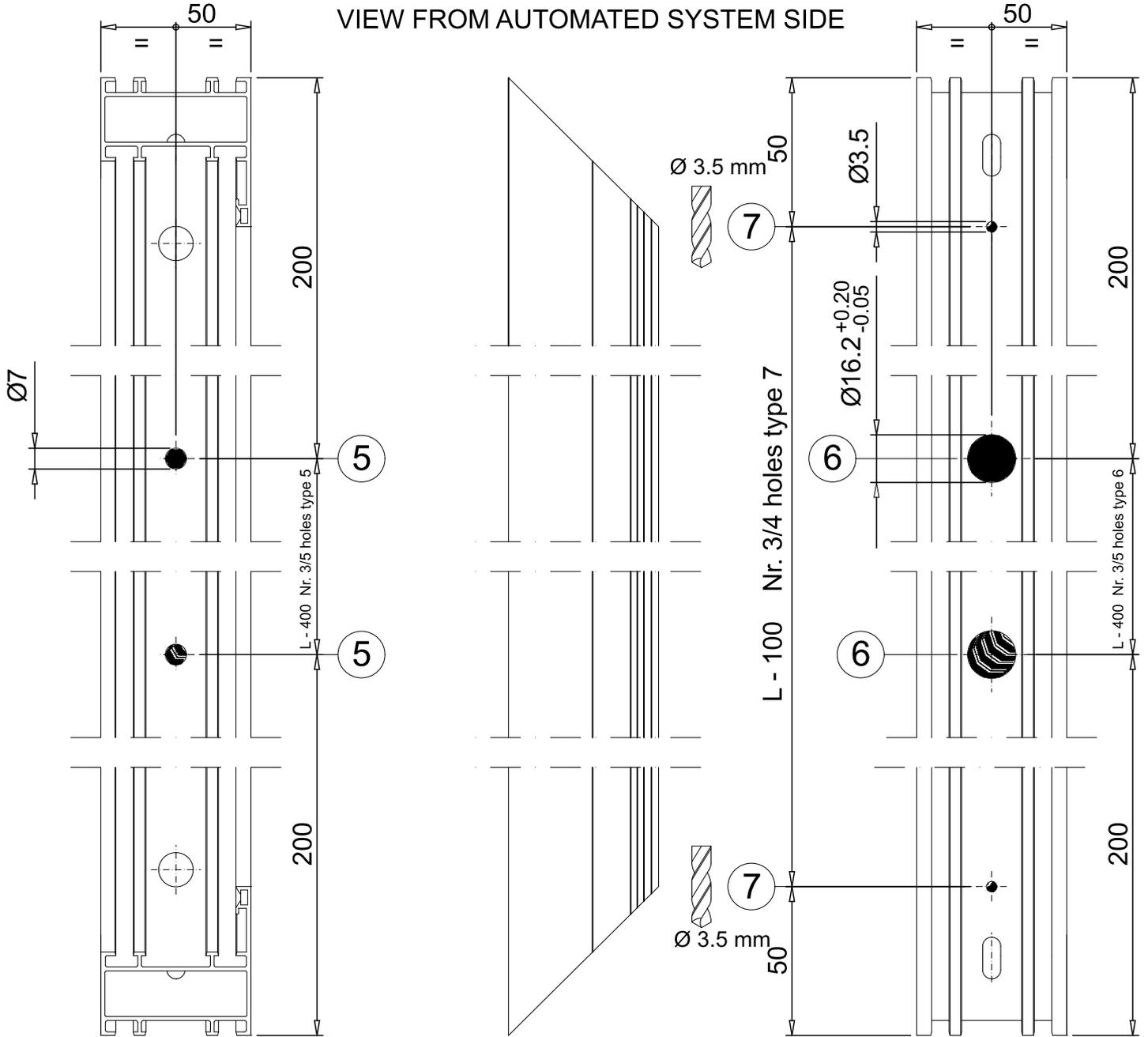
5 : PERFORATION FOR INSTALLATION OF SCREW FOR ACCESSORY 103214 (SECURING COMPENSATOR)*

6 : PERFORATION FOR ASSEMBLY OF ACCESSORY 103214 (SECURING COMPENSATOR)*

7 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805231 (CONTACT POINT ANGLED ELEMENT)

* IMPORTANT : ONLY FOR ACCESSORY 103214

VIEW FROM AUTOMATED SYSTEM SIDE

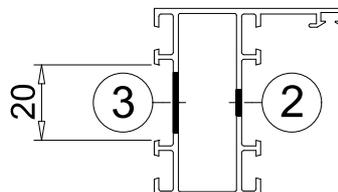
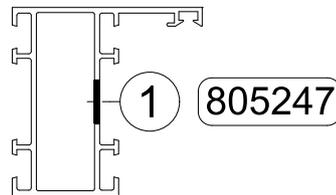
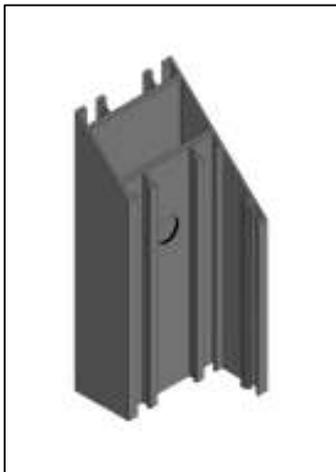
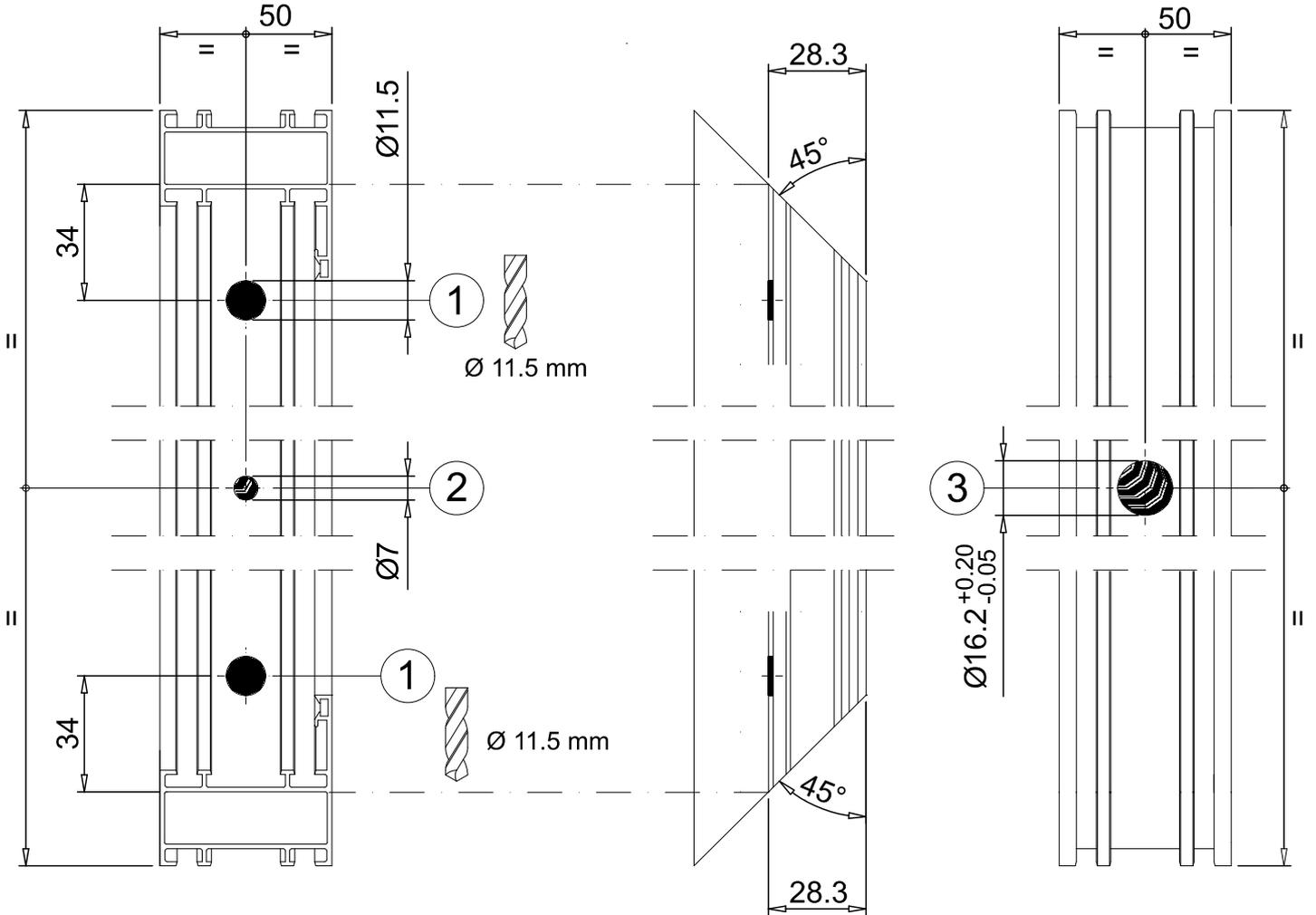


LH/RH UPRIGHT FOR OVER GAP LEAF (805247):

- 1 : PERFORATION FOR INSTALLATION OF ACCESSORY 103205 (OVER GAP LEAF SQUARE)
- 2 : PERFORATION FOR INSTALLATION OF SCREW FOR ACCESSORY 103214 (SECURING COMPENSATOR)*
- 3 : PERFORATION FOR ASSEMBLY OF ACCESSORY 103214 (SECURING COMPENSATOR)

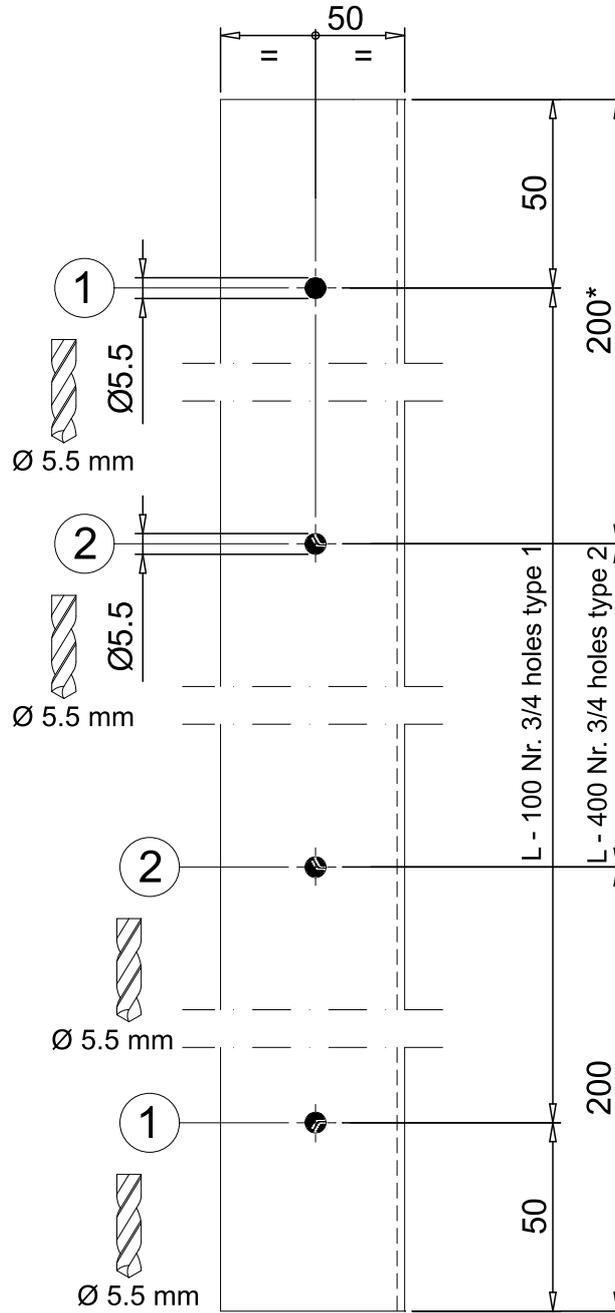
*** IMPORTANT : ONLY FOR ACCESSORY 103214**

VIEW FROM AUTOMATED SYSTEM SIDE

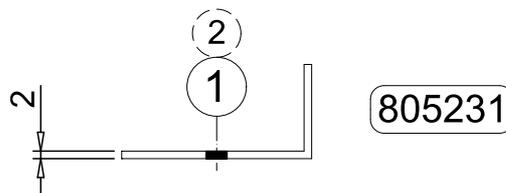


CONTACT POINT ANGLED ELEMENT for FRAME RH UPRIGHT (805231) :
 1 : PERFORATION FOR SECURING SCREW WITH SECTION BAR 805226 (FRAME RH UPRIGHT)
 2 : PERFORATION FOR SECURING SCREW TO WALL

* IMPORTANT: see section bar machining code 805226 chpt. MACHINING OPERATIONS tab. 93

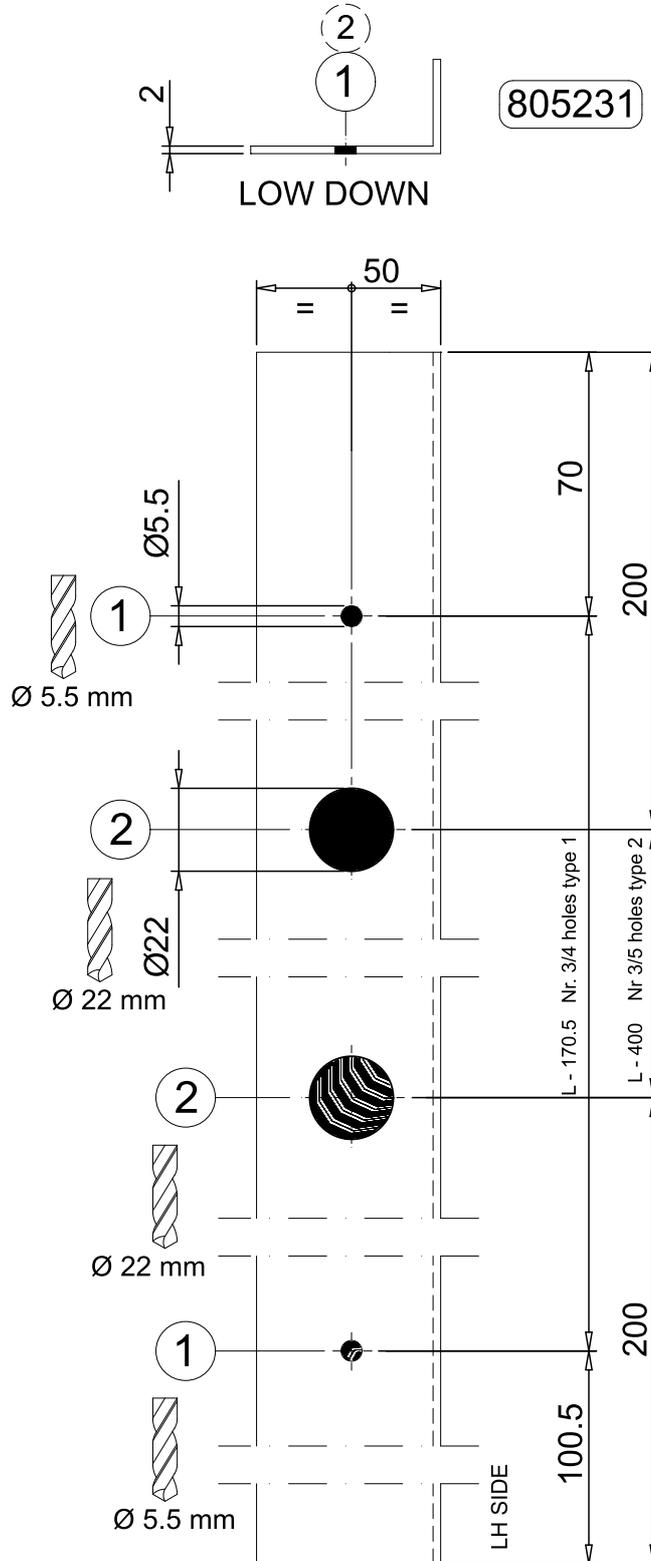


LOW DOWN

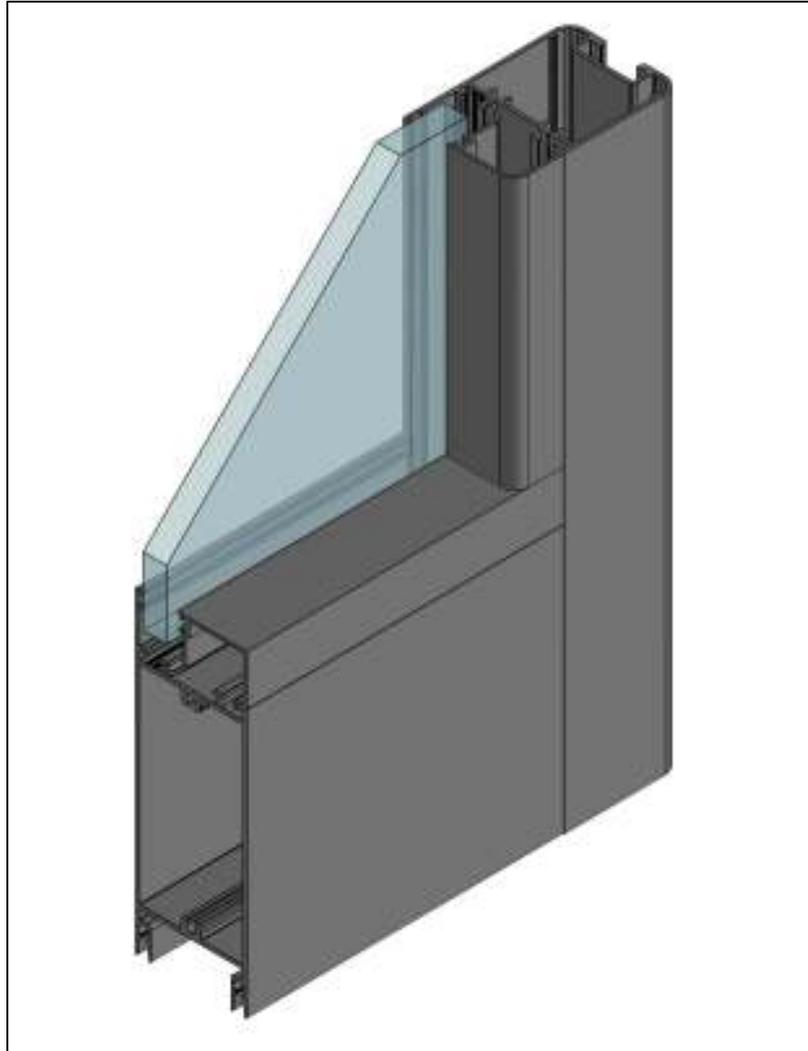


CONTACT POINT ANGLED ELEMENT for UPPER CROSS BEAM FOR OVER GAP LEAF (805231) :
 1 : PERFORATION FOR SECURING WITH SECTION BAR 805247 (UPPER CROSS BEAM FOR OVER GAP LEAF)
 2 : PERFORATION FOR ASSEMBLY OF ACCESSORY 103214 (SECURING COMPENSATOR)*

* IMPORTANT : ONLY FOR ACCESSORY 103214



GLASS

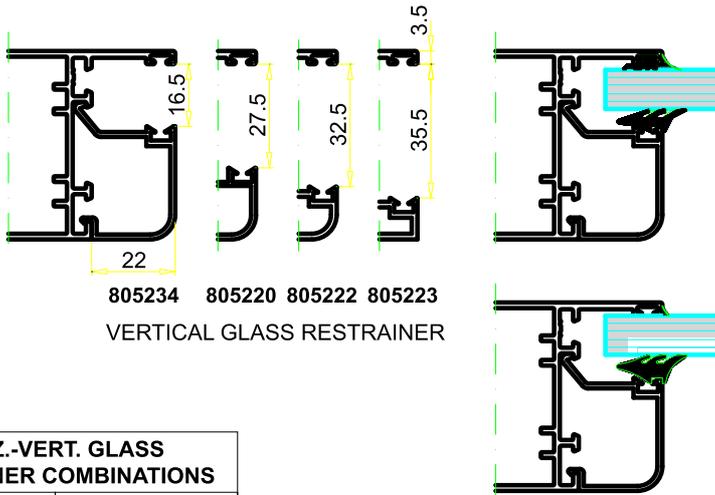


- TABLES FOR USE OF ACCESSORIES AND SEALS
FOR GLASS

GLASS RESTRAINER SOLUTIONS AND SEALS

Solutions with or without ext. seals 105846 for profiles 805141-805143-805147

HORIZONTAL SEC.



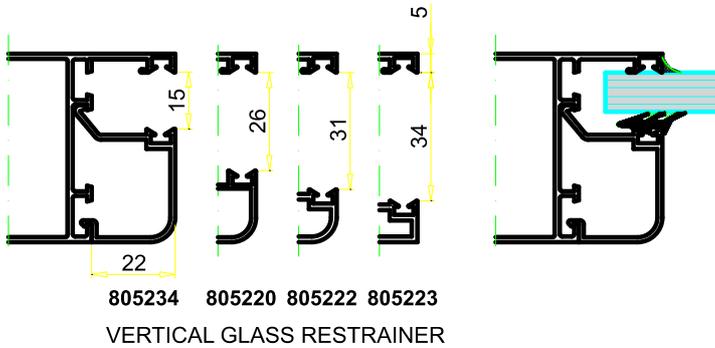
805234 805220 805222 805223
VERTICAL GLASS RESTRAINER

HORIZ.-VERT. GLASS RESTRAINER COMBINATIONS			
HORIZ. GLASS REST. Straight	VERT. GLASS REST. roll-up/straight		
805233	31 mm.	805234	30 mm.
805235	19 mm.	805220	19 mm.
805221	15 mm.	805222	14 mm.
805223	11 mm.	805223	11 mm.

SEALS				
external	internal			
105846	105848	105849	105850	105847
1,5 mm.	3 mm.	4 mm.	5 mm.	8 mm.

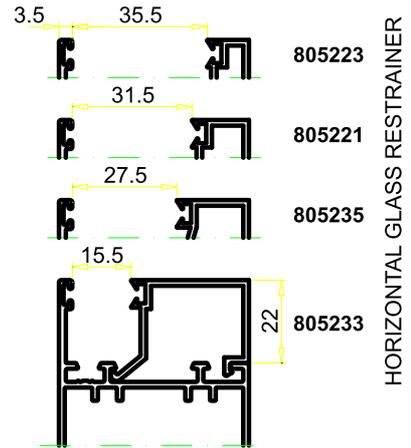
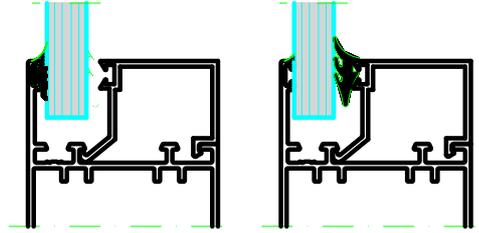
Solution without ext. seals 105846 for all other section bars

HORIZONTAL SEC.



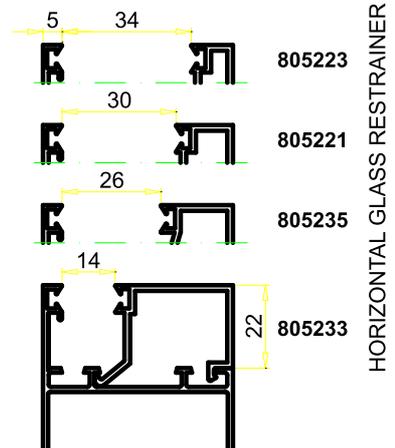
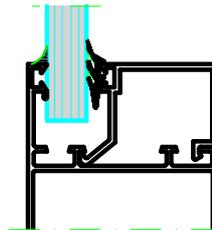
805234 805220 805222 805223
VERTICAL GLASS RESTRAINER

VERTICAL SEC.



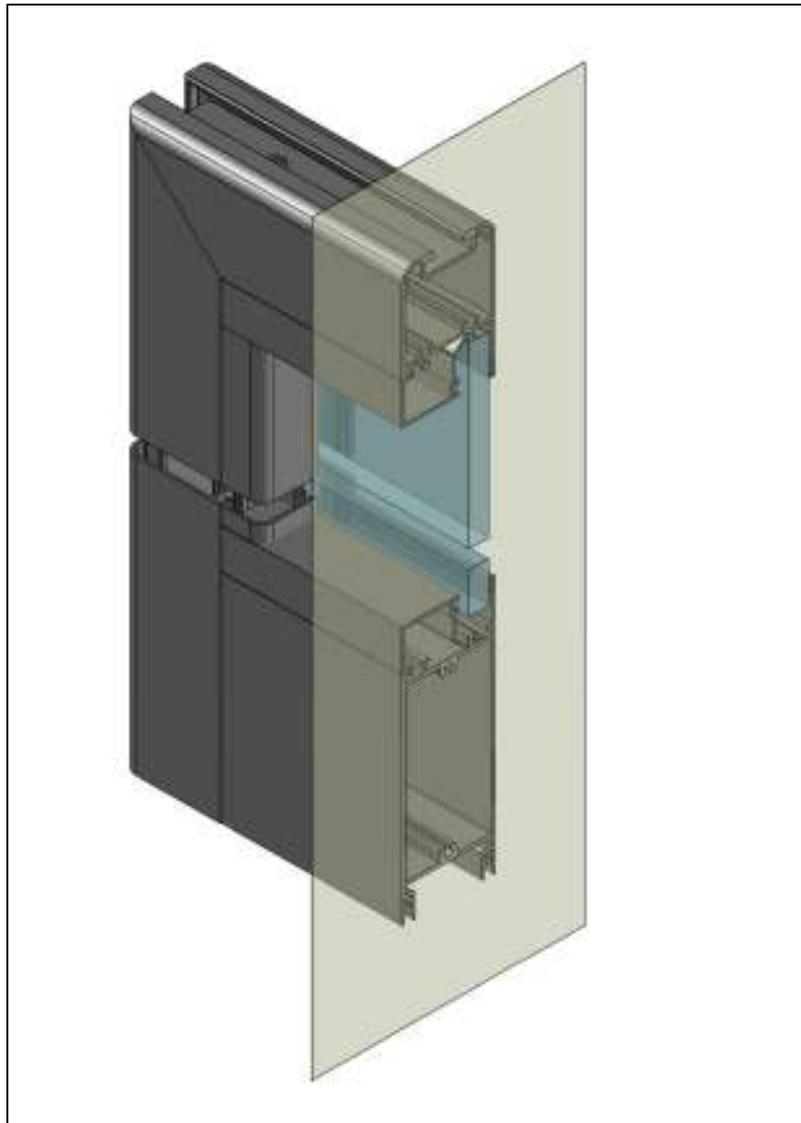
HORIZONTAL GLASS RESTRAINER

VERTICAL SEC.

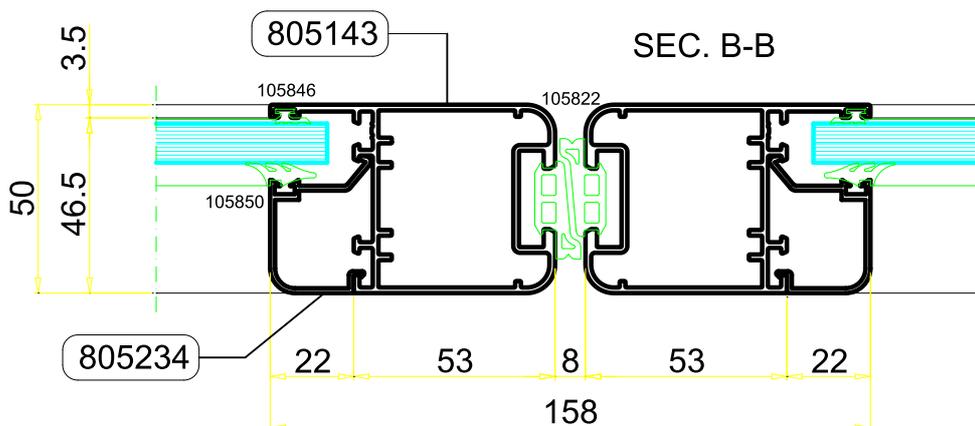
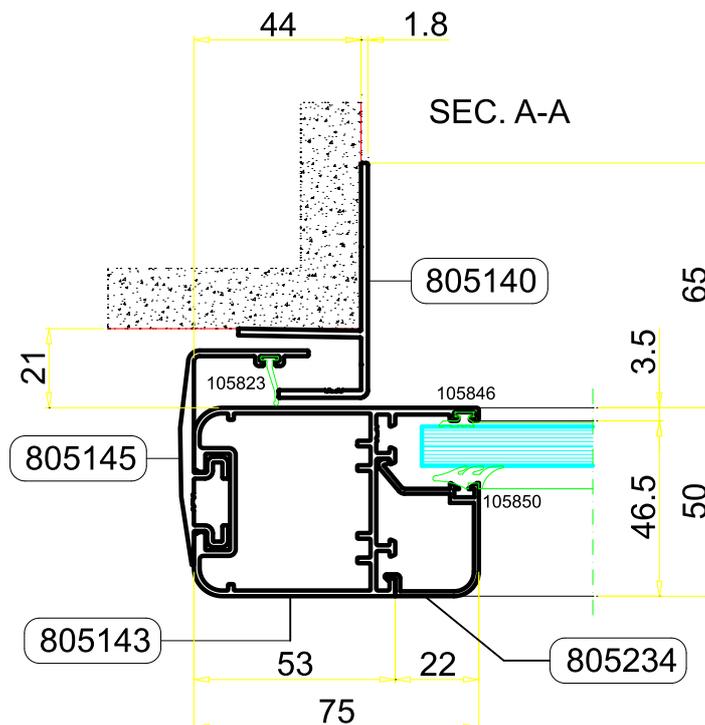
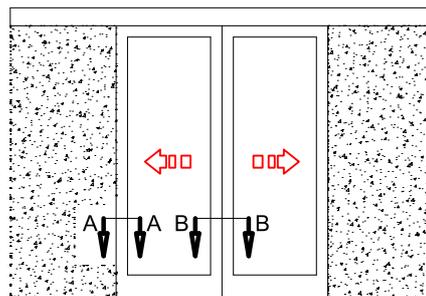


HORIZONTAL GLASS RESTRAINER

SECTIONS

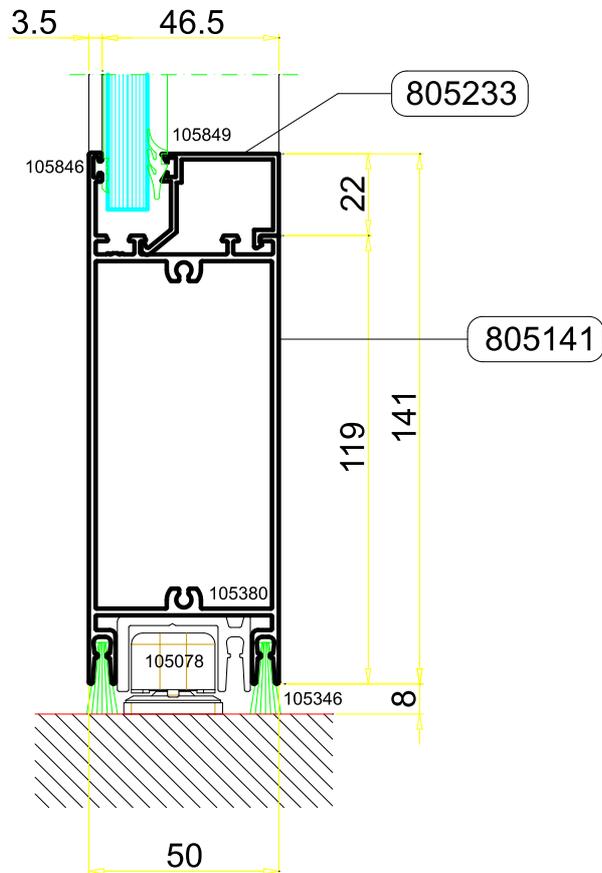
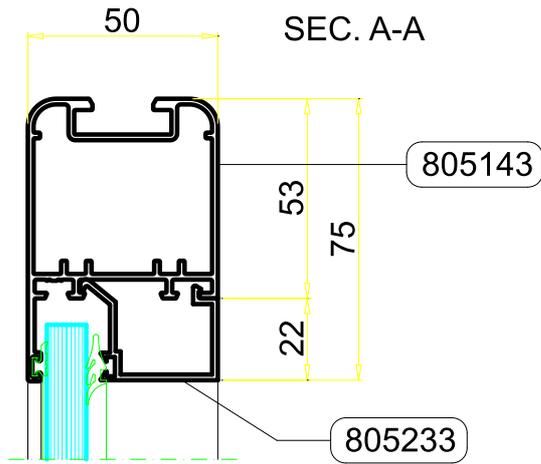
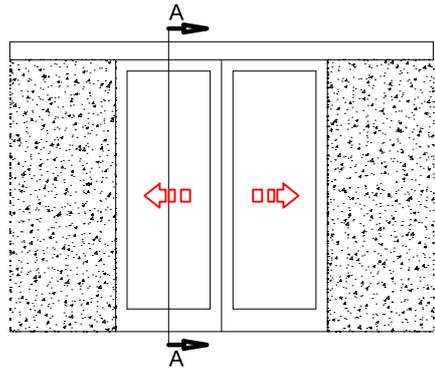


- MAIN SECTIONS IN 1:2 SCALE WITH CORRESPONDING ACCESSORIES AND SPACE OCCUPIED MEASUREMENTS



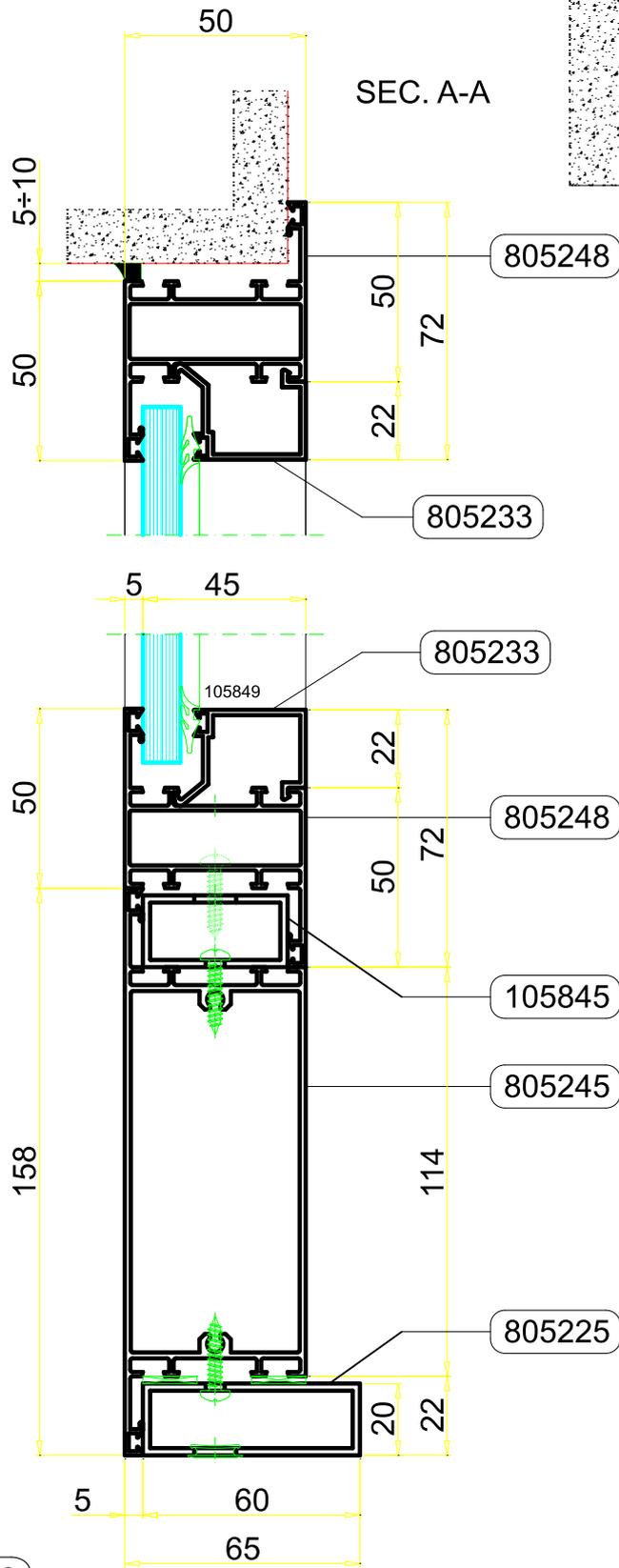
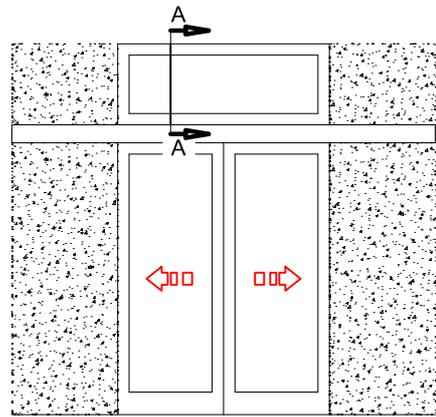
ref. draw. nr. 5

glass thickness 10/11 mm.



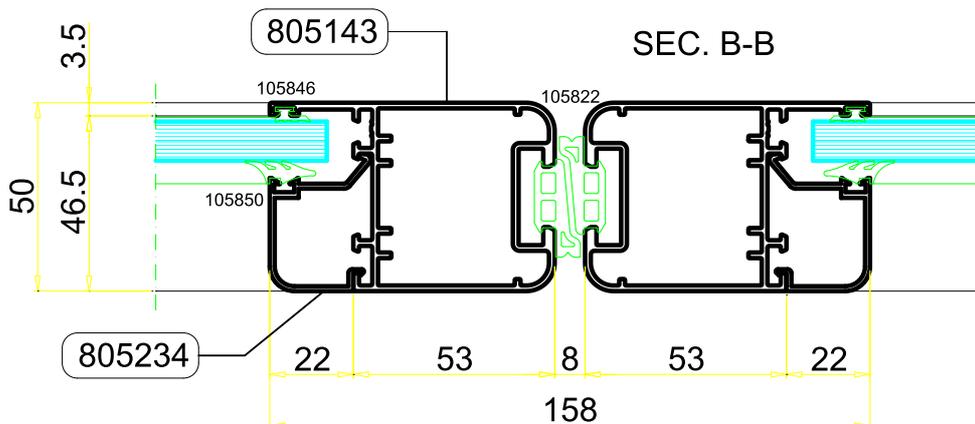
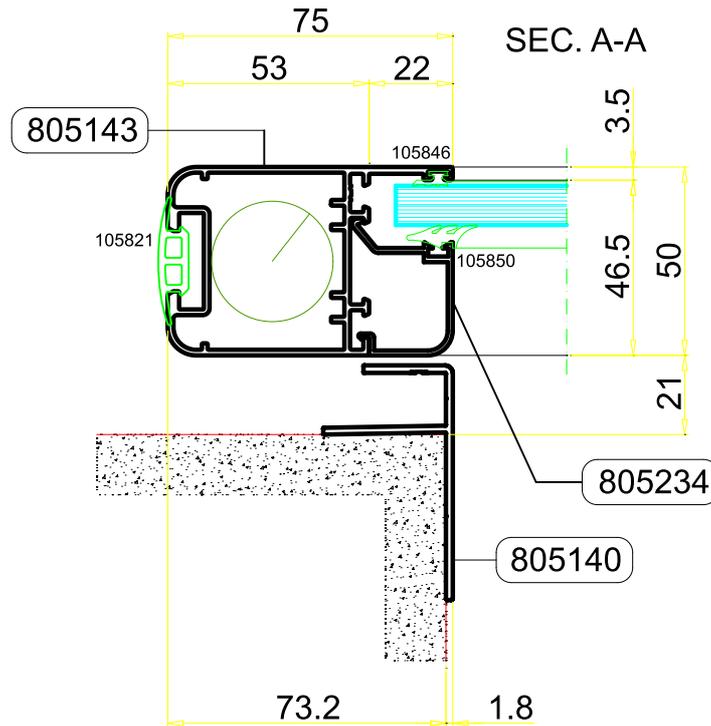
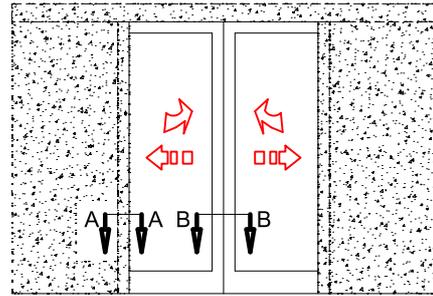
ref. draw. nr. 5

glass thickness 10/11 mm.



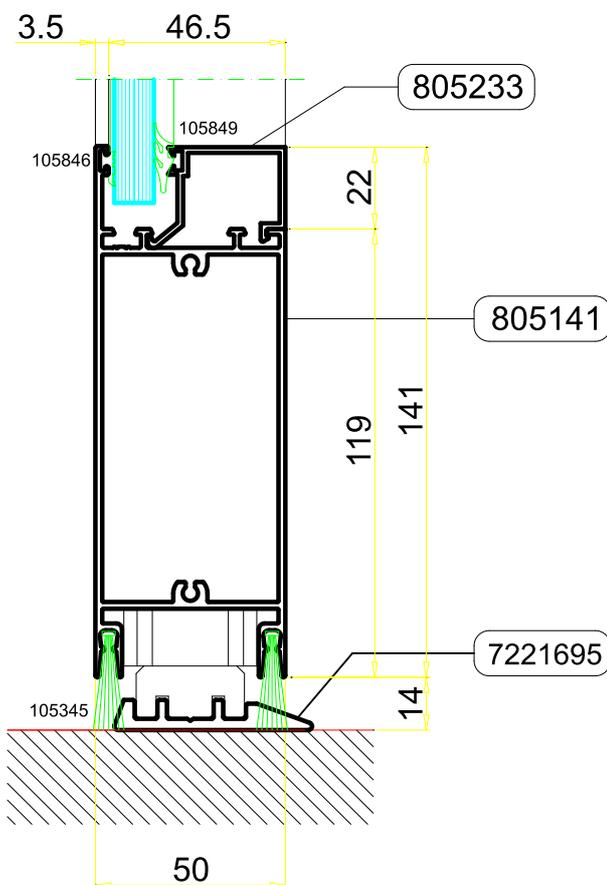
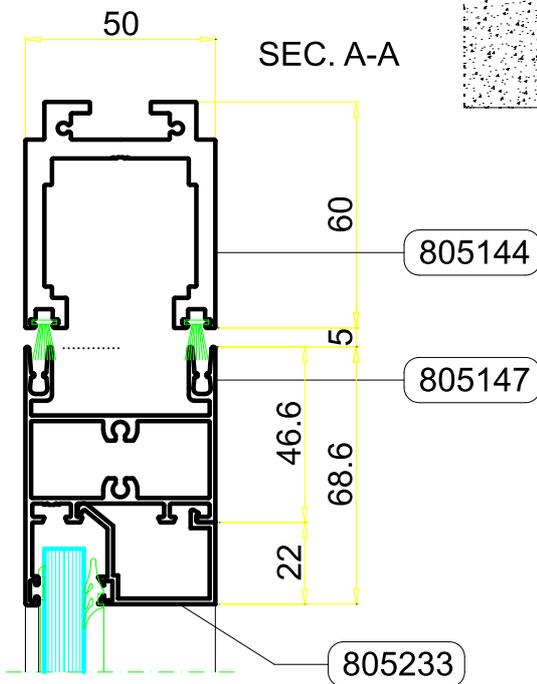
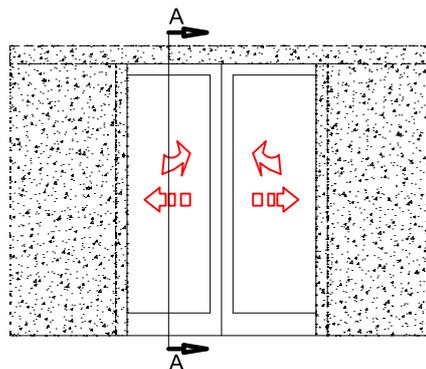
ref. draw. nr. 6

glass thickness 10/11 mm.



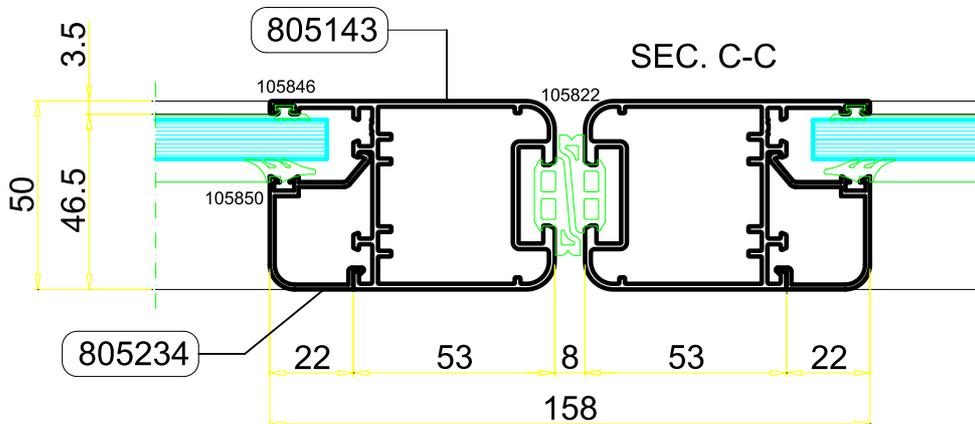
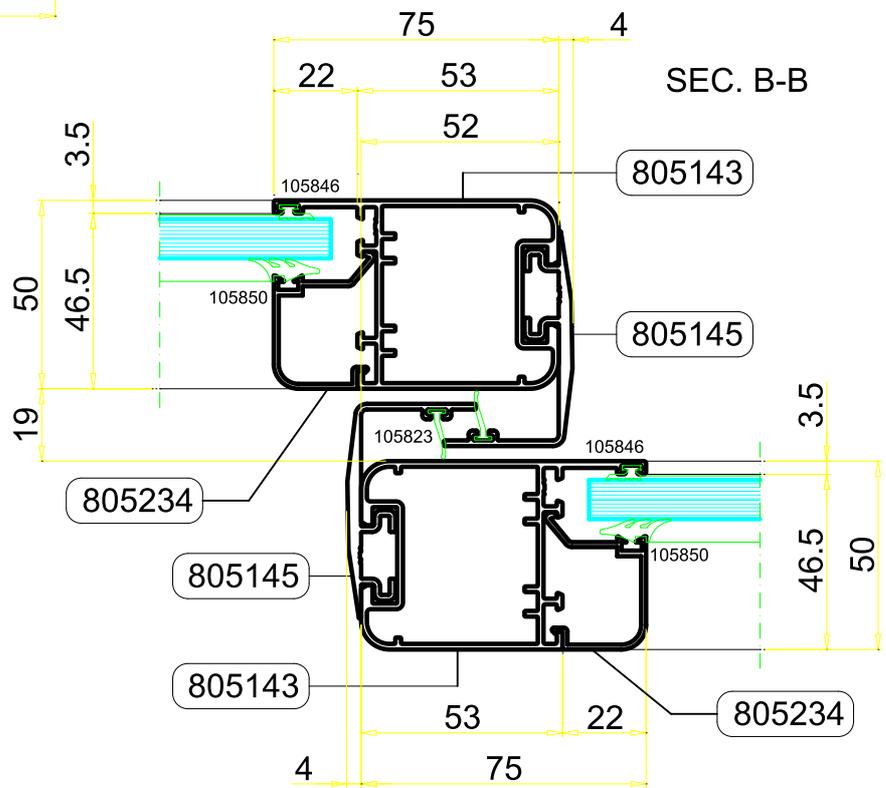
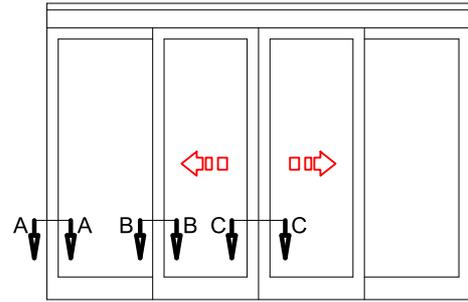
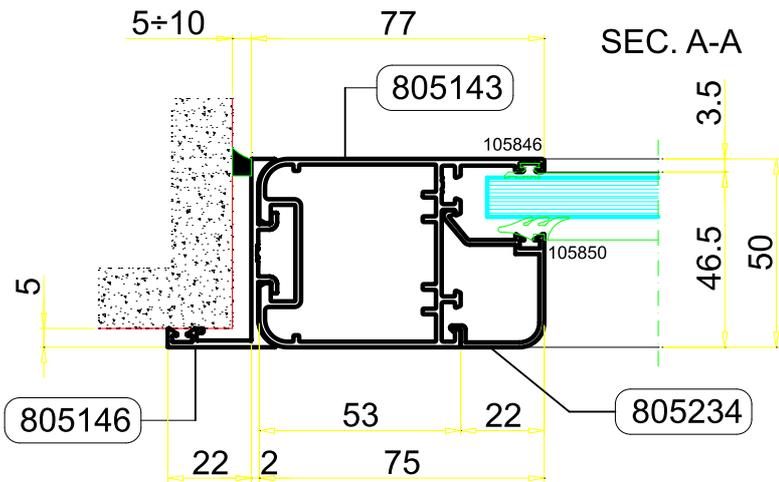
ref. draw. nr. 7

glass thickness 10/11 mm.



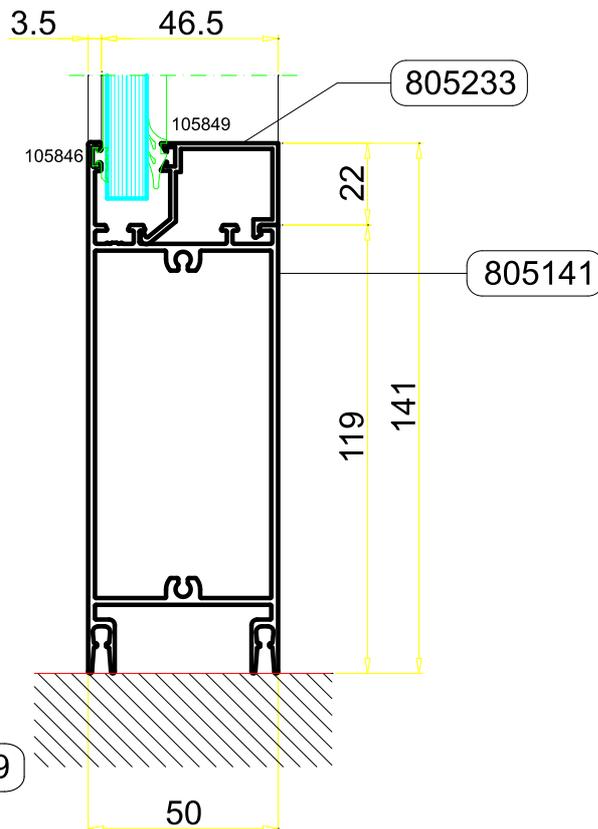
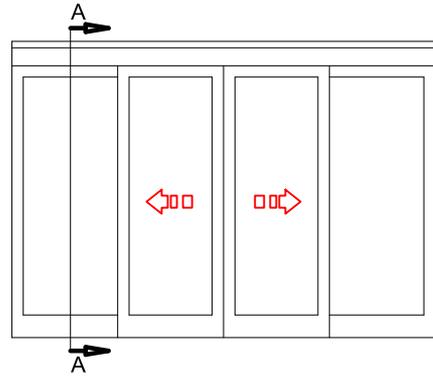
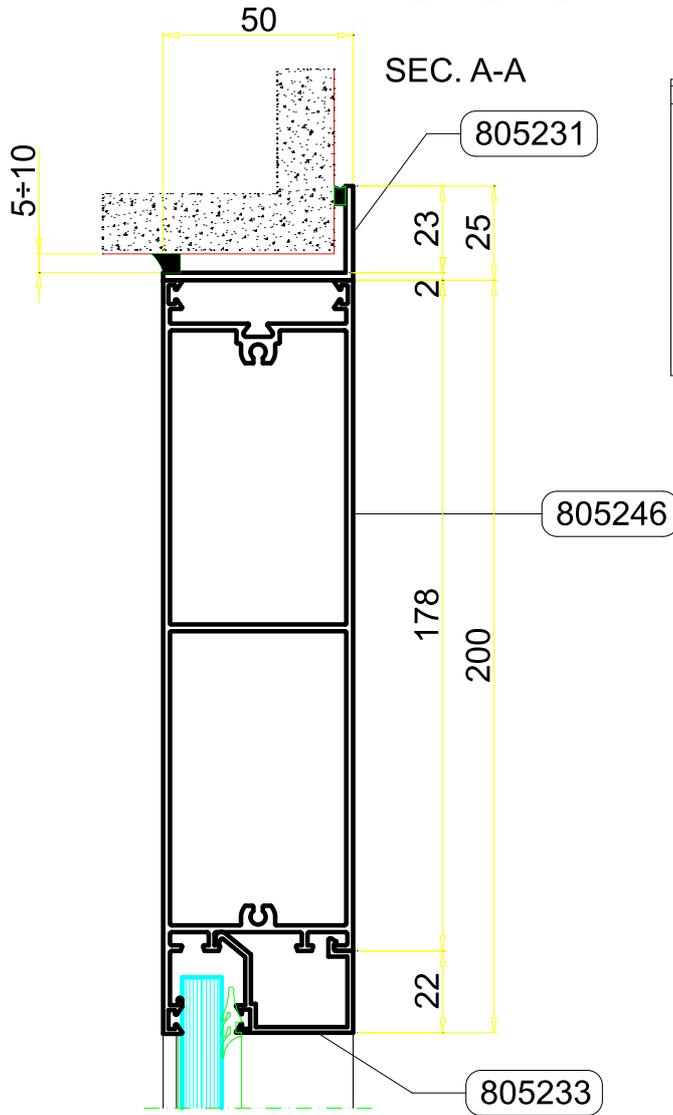
ref. draw. nr. 7

glass thickness 10/11 mm.



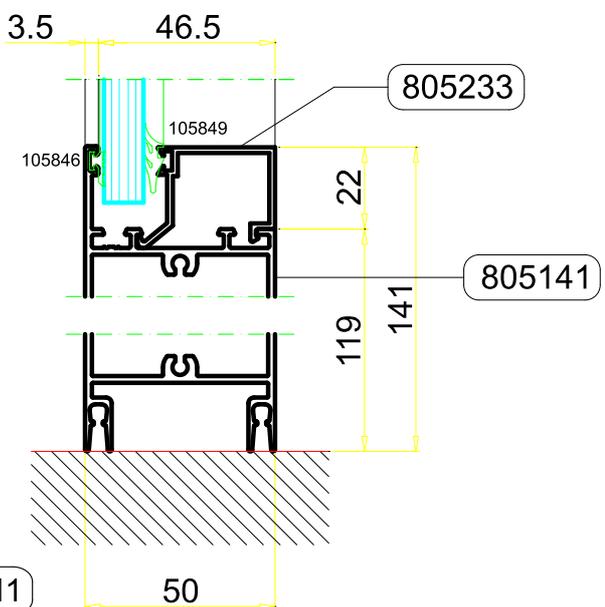
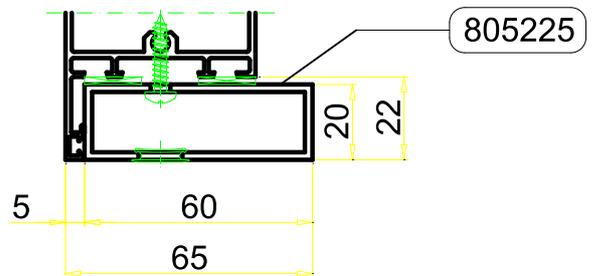
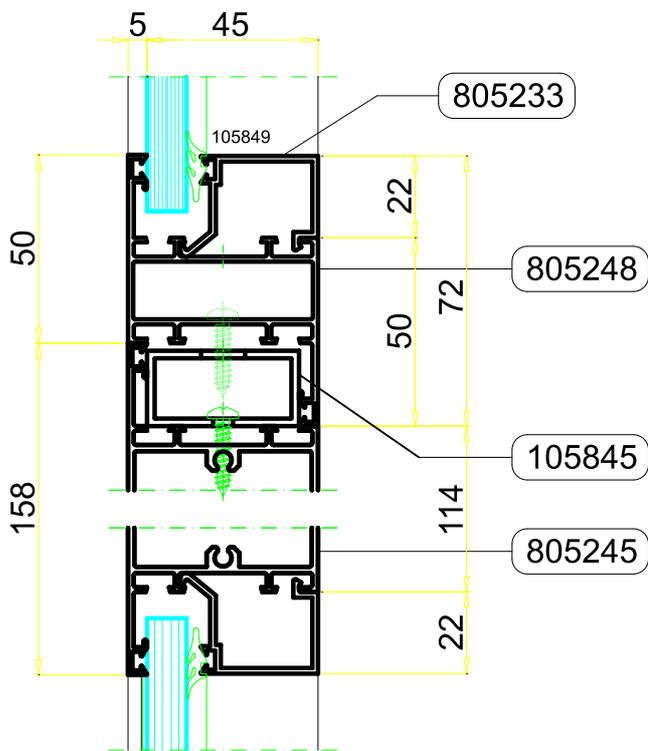
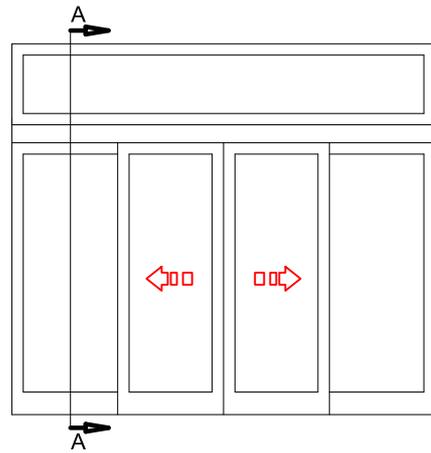
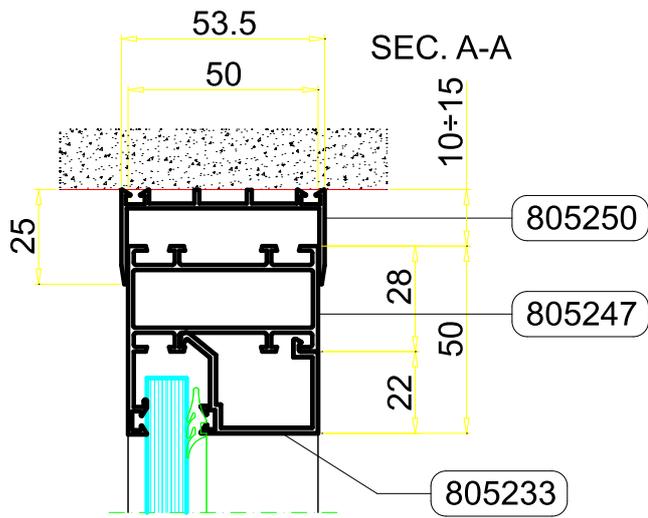
ref. draw. nr. 9

glass thickness 10/11 mm.



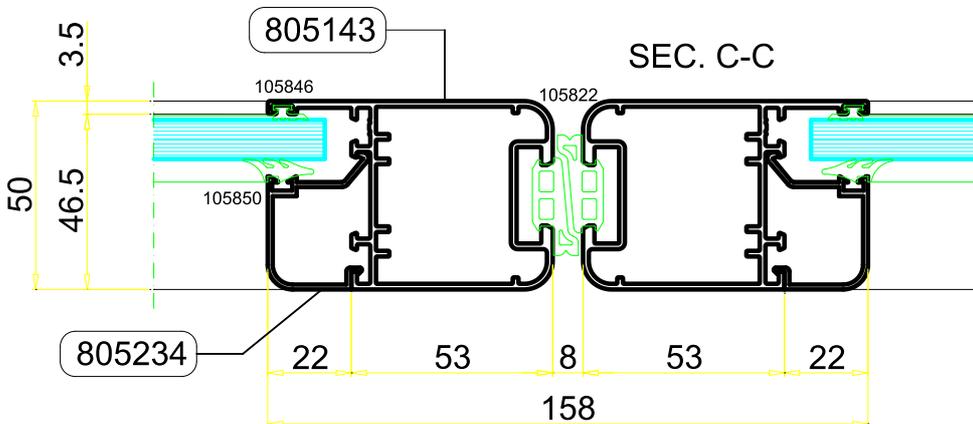
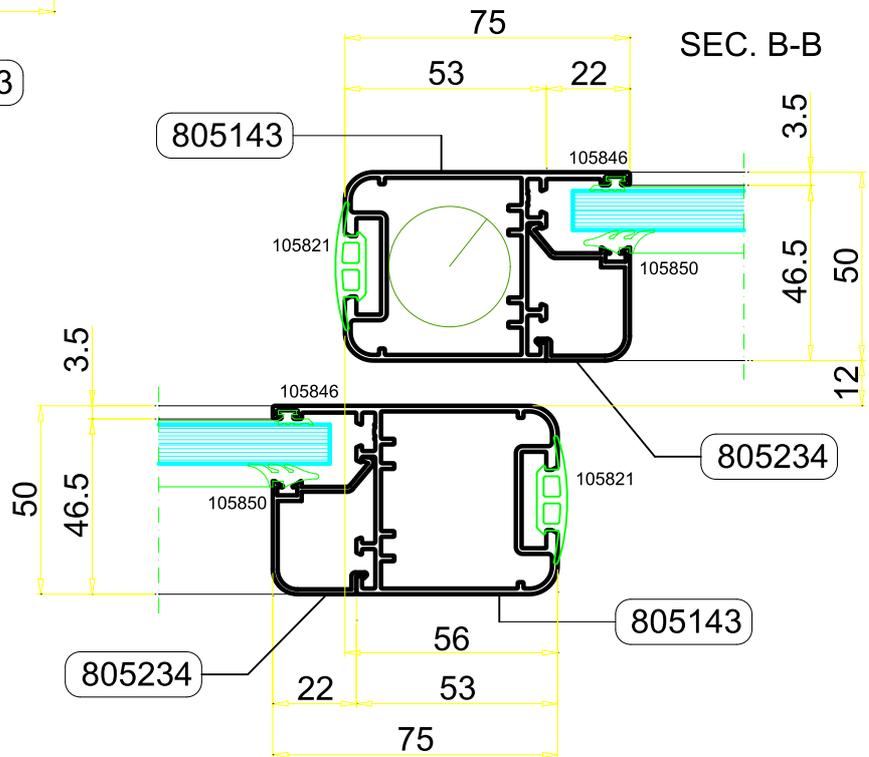
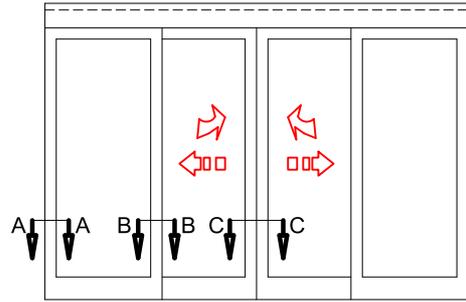
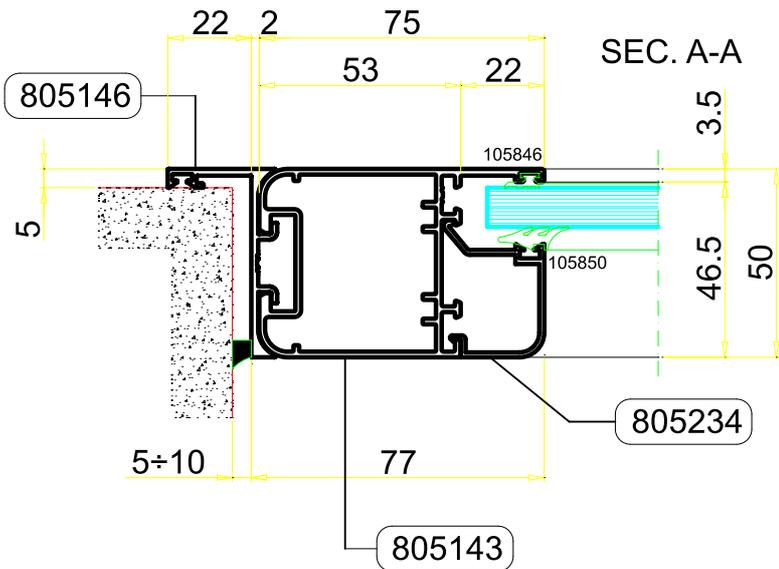
ref. draw. nr. 9

glass thickness 10/11 mm.



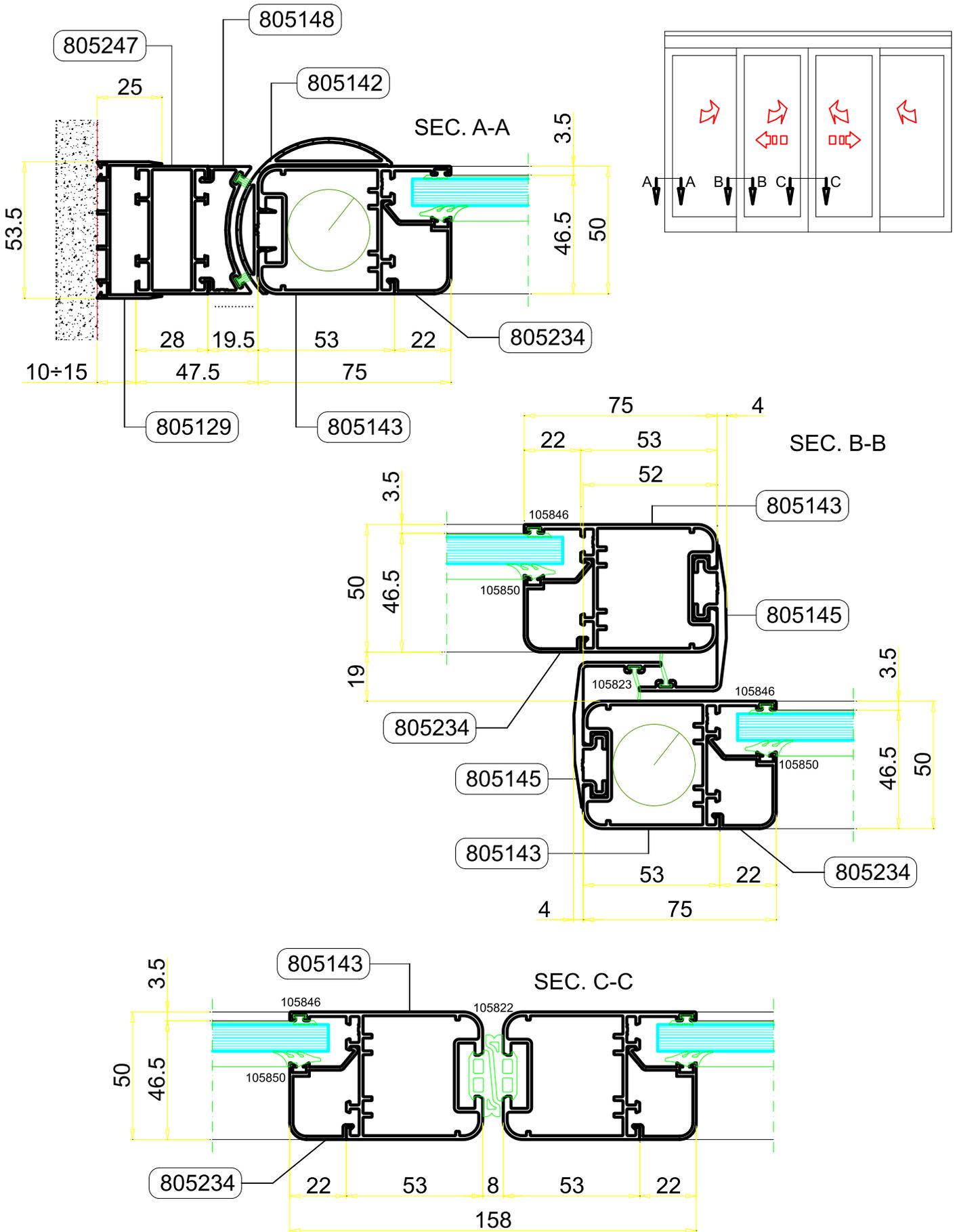
ref. draw. nr. 11

glass thickness 10/11 mm.



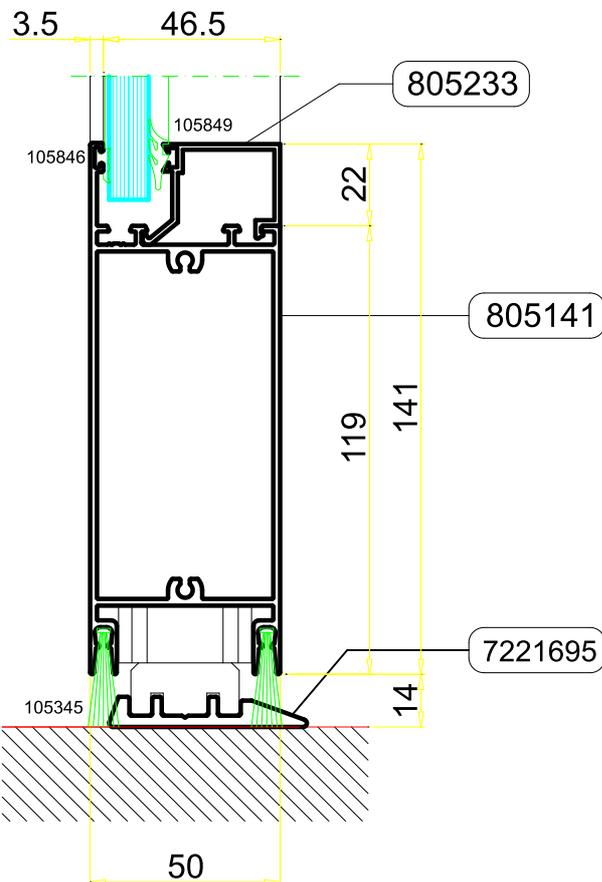
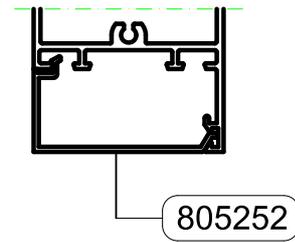
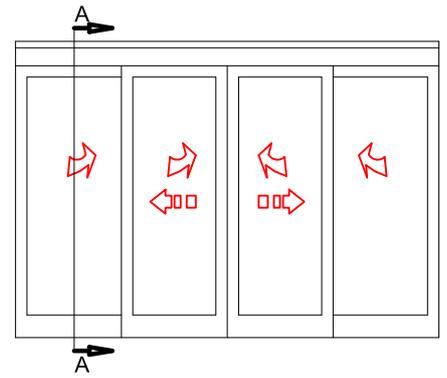
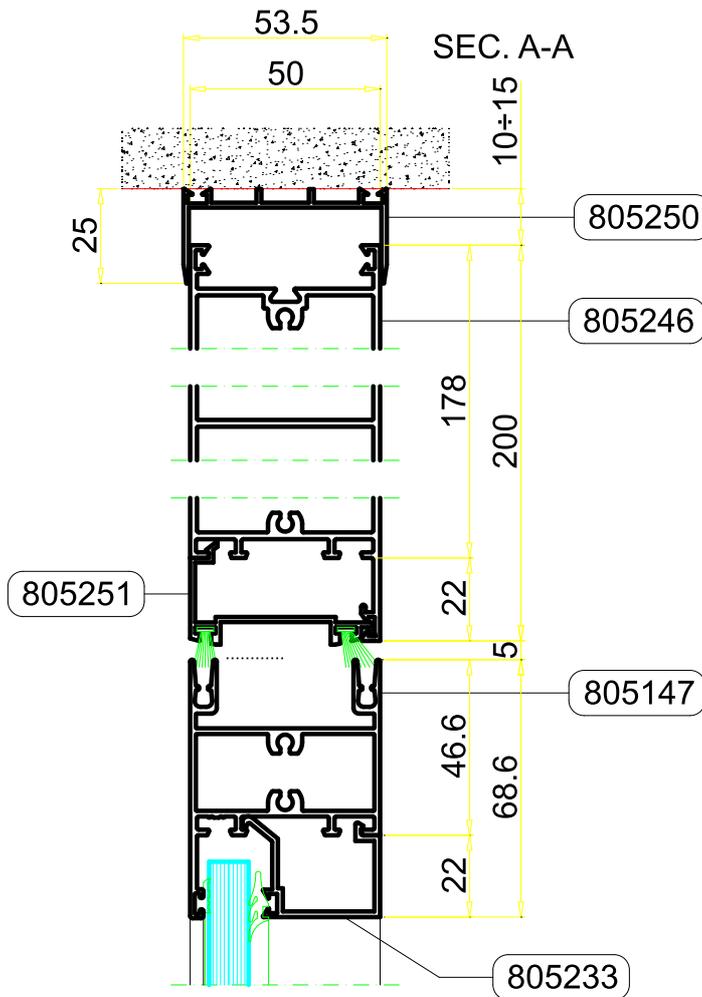
ref. draw. nr. 12

glass thickness 10/11 mm.



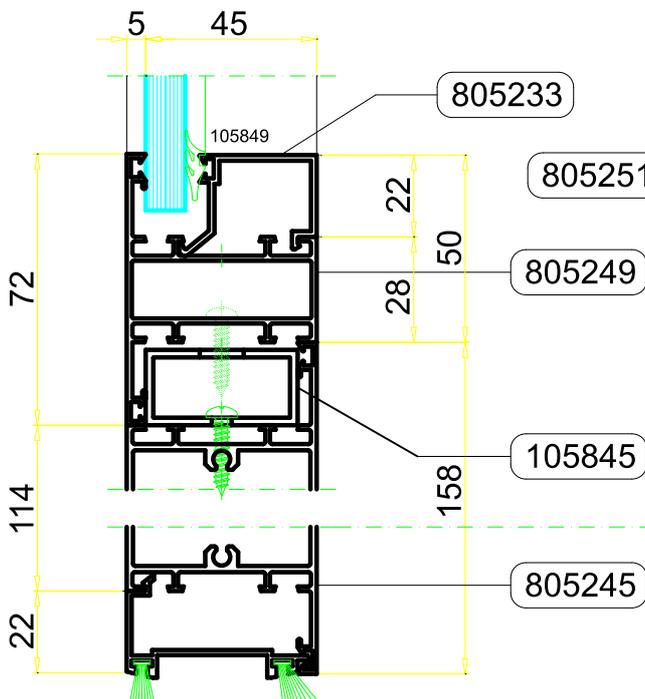
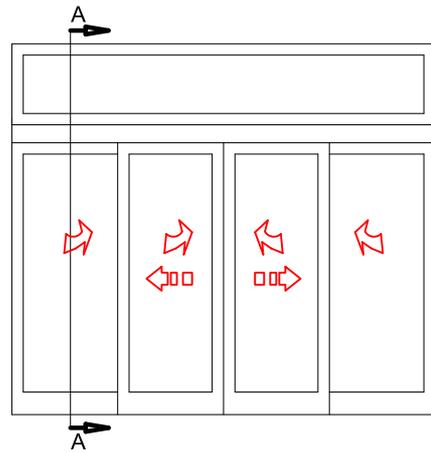
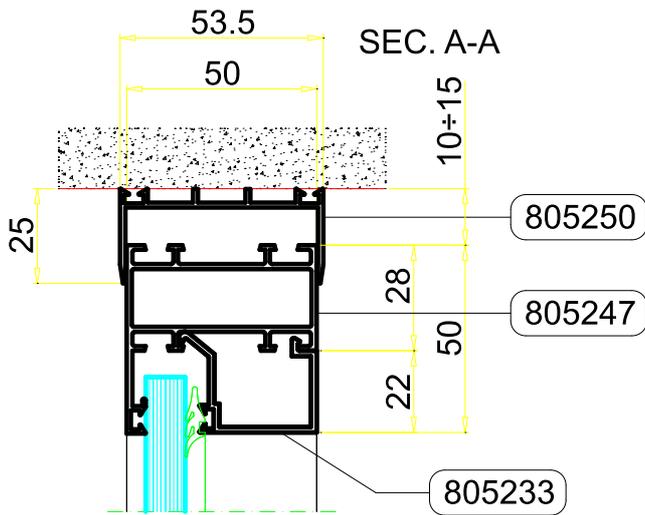
ref. draw. nr. 15

glass thickness 10/11 mm.

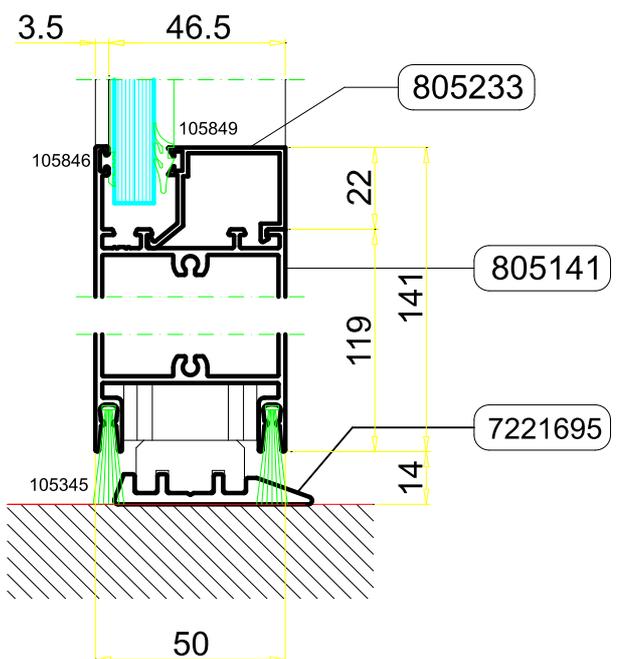
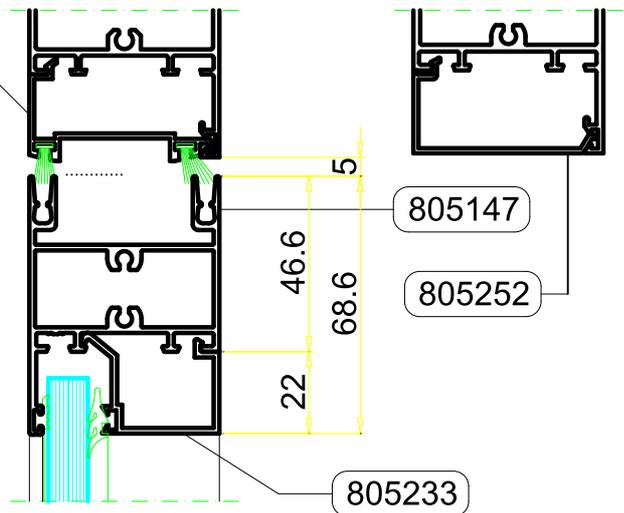


ref. draw. nr. 15

glass thickness 10/11 mm.

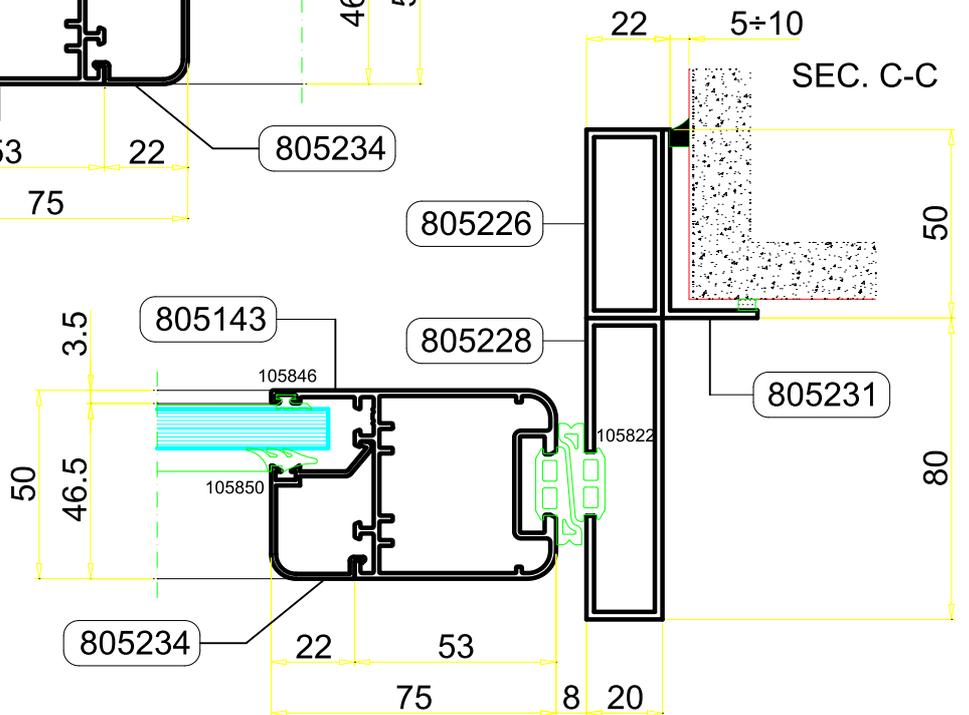
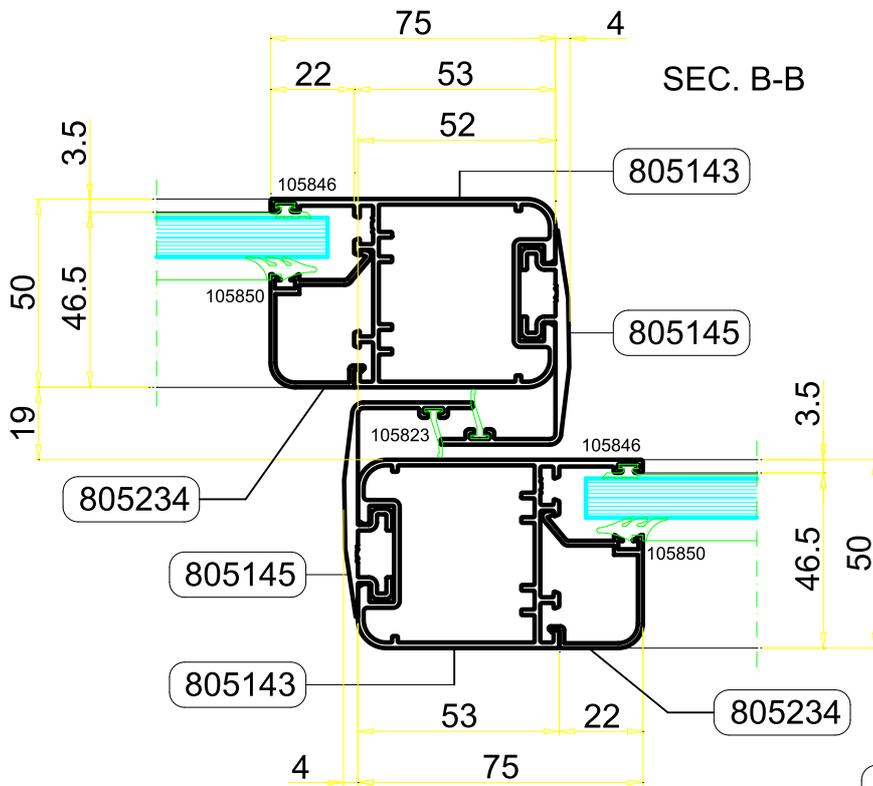
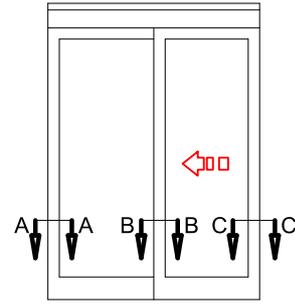
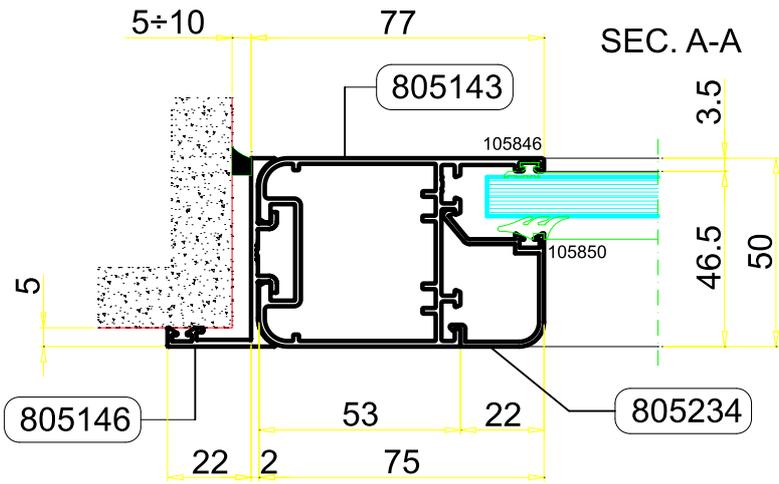


SEC. A-A



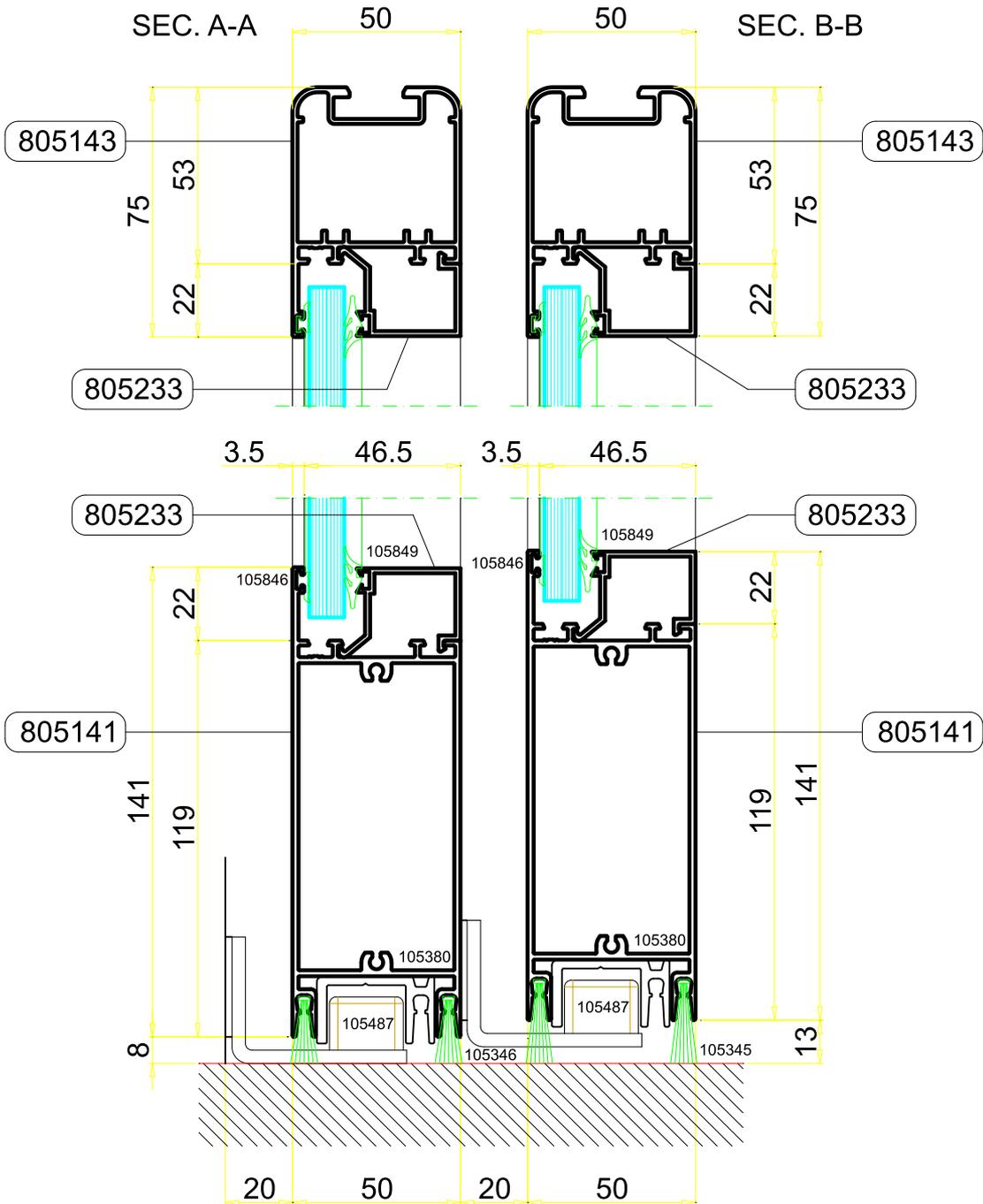
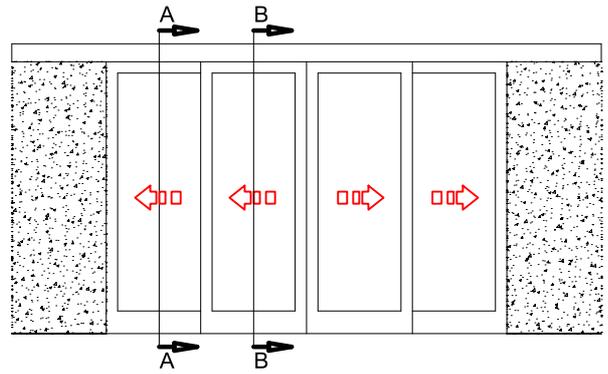
ref. draw. nr. 17

glass thickness 10/11 mm.



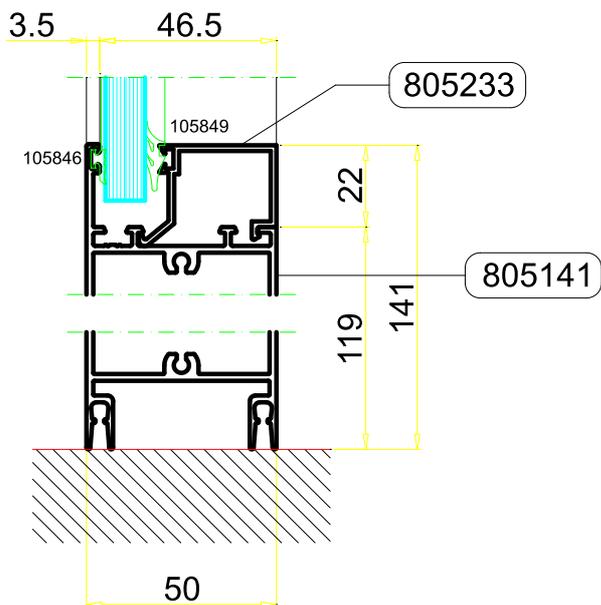
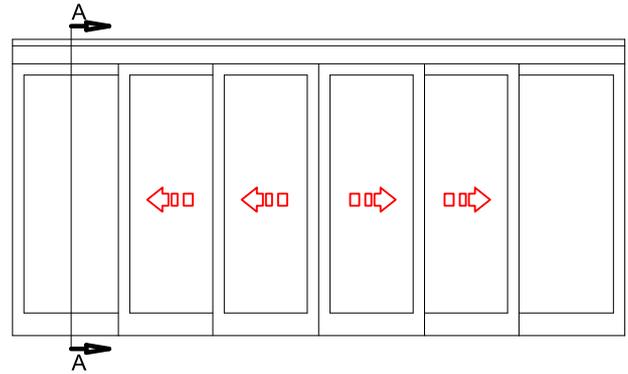
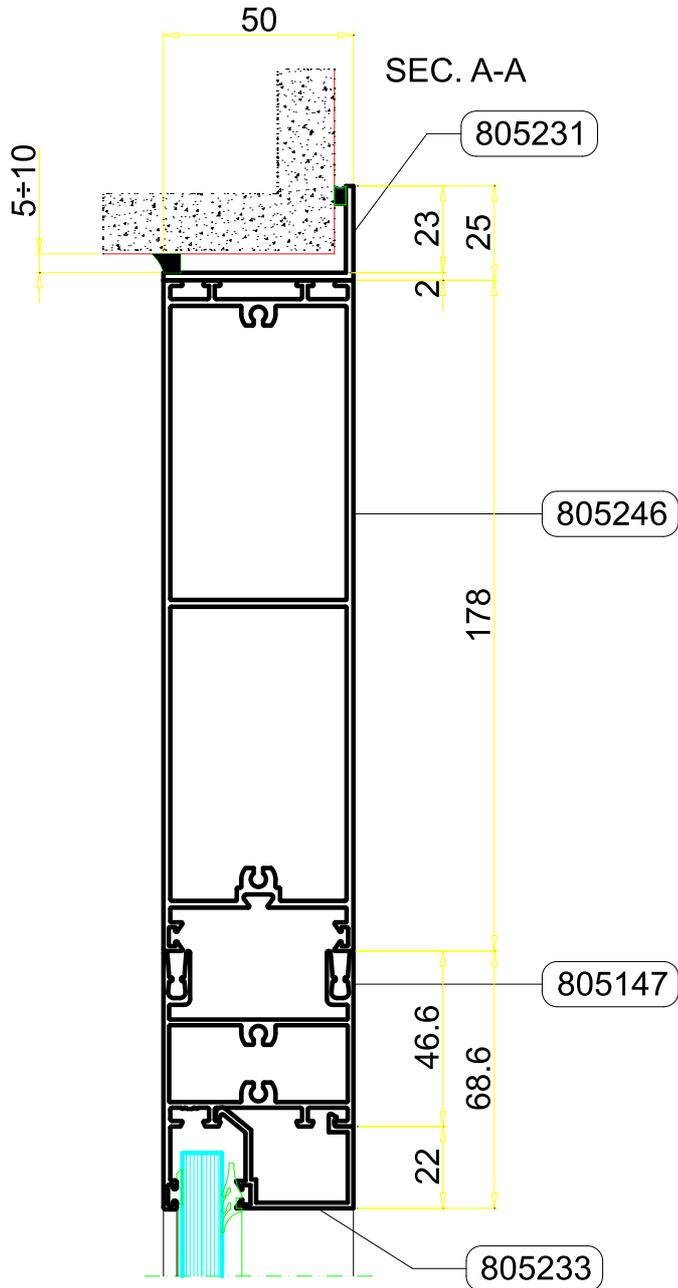
ref. draw. nr. 18

glass thickness 10/11 mm.



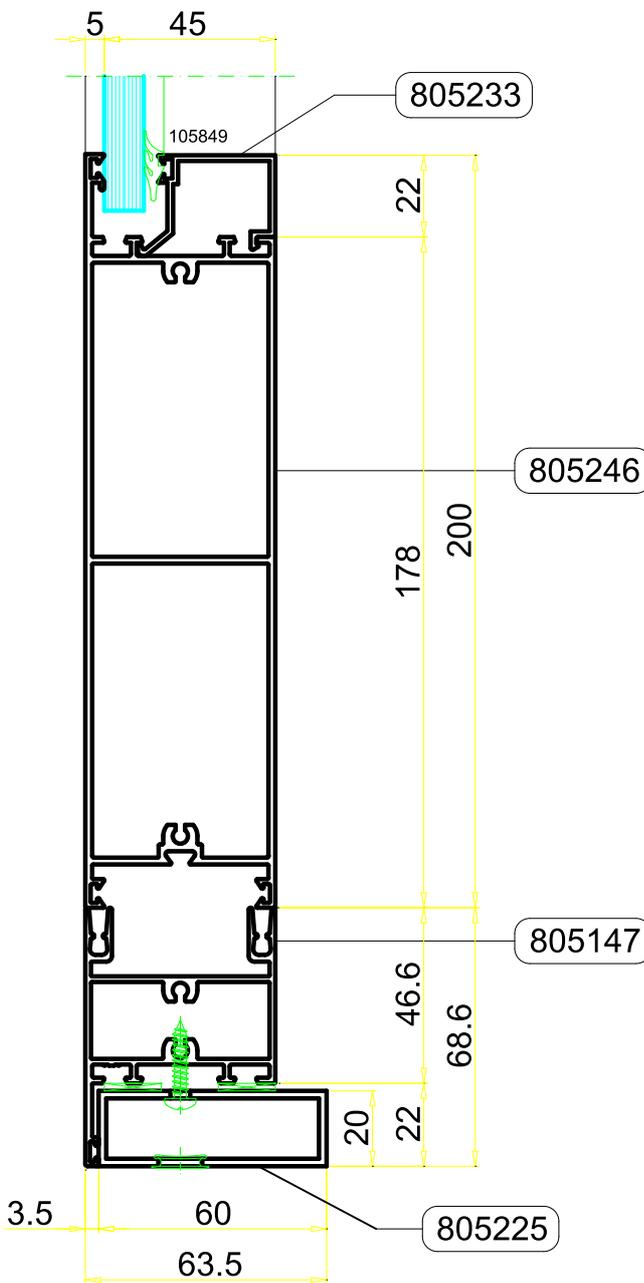
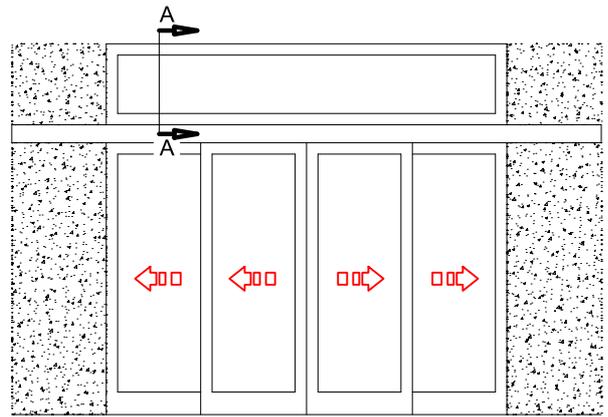
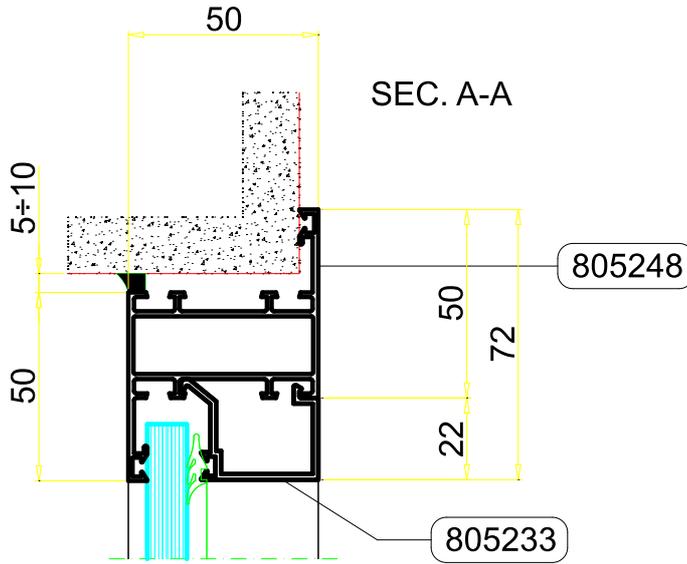
ref. draw. nr. 75

glass thickness 10/11 mm.

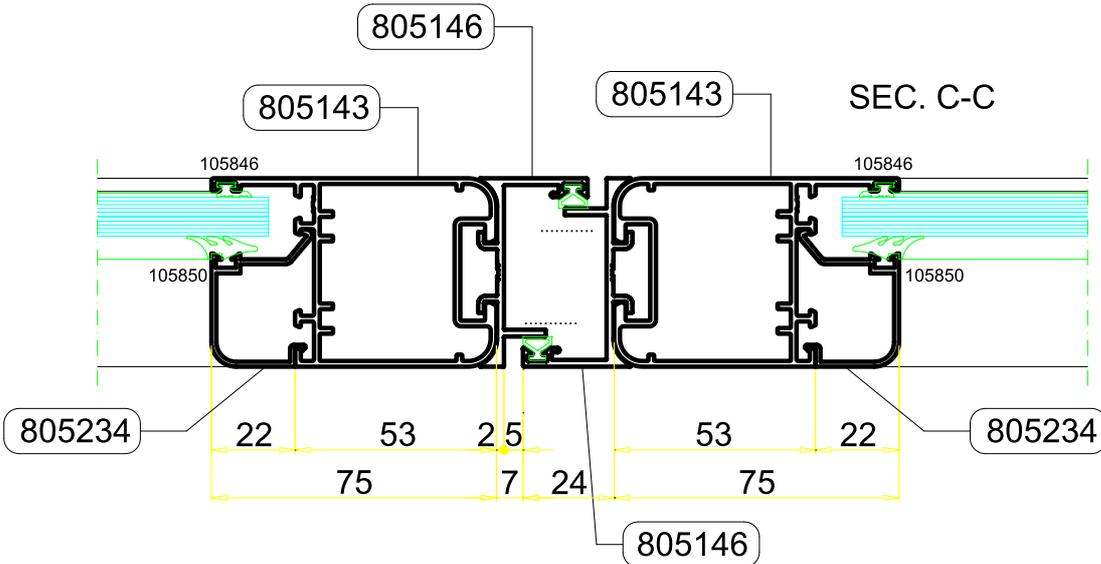
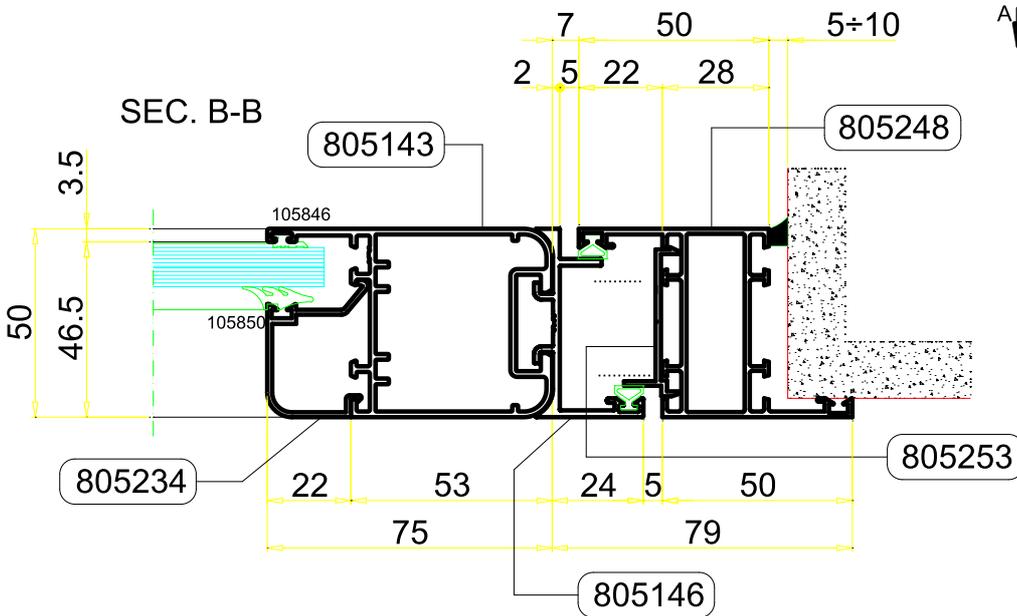
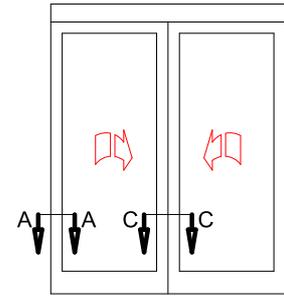
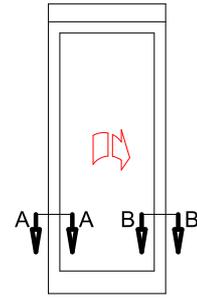
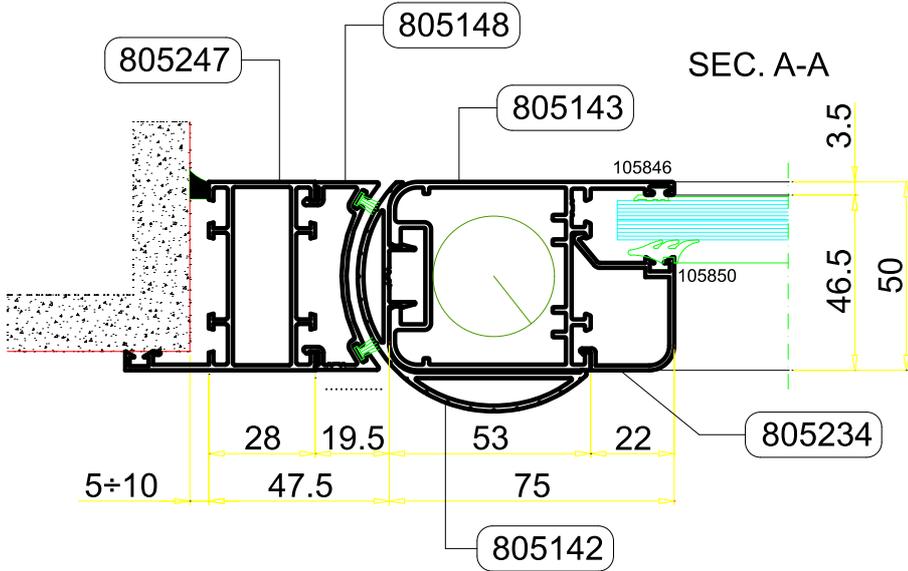


glass thickness 10/11 mm.

ref. draw. nr. 77



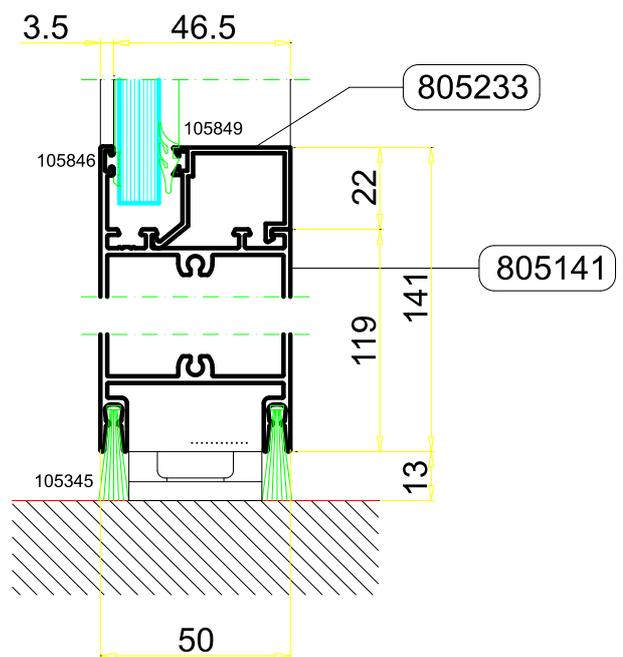
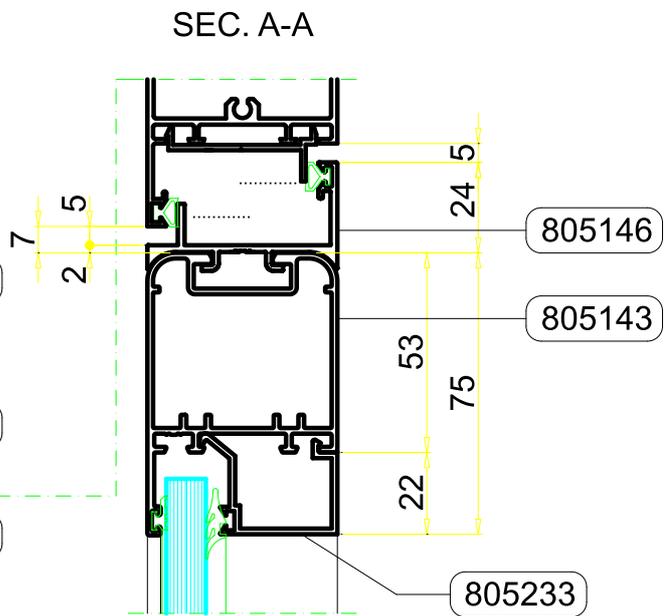
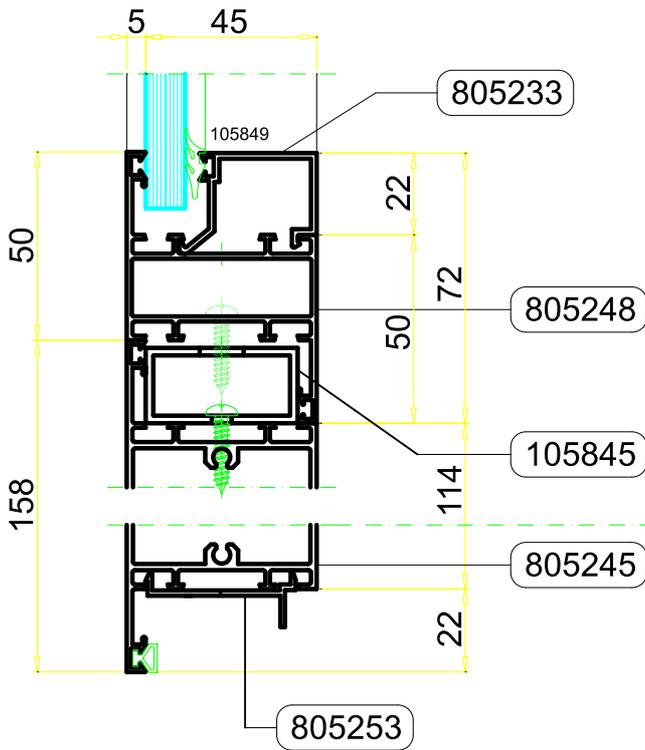
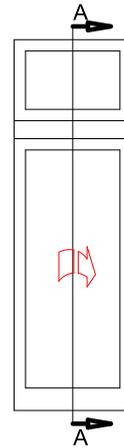
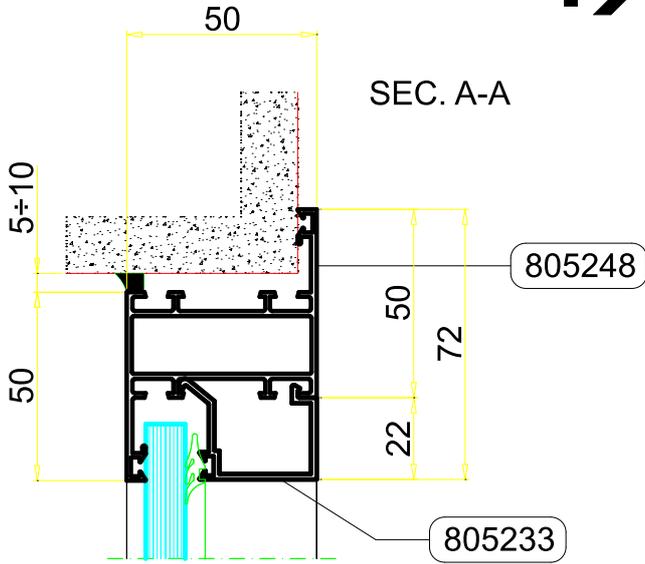
ref. draw. nr. 76



glass thickness 10/11 mm.

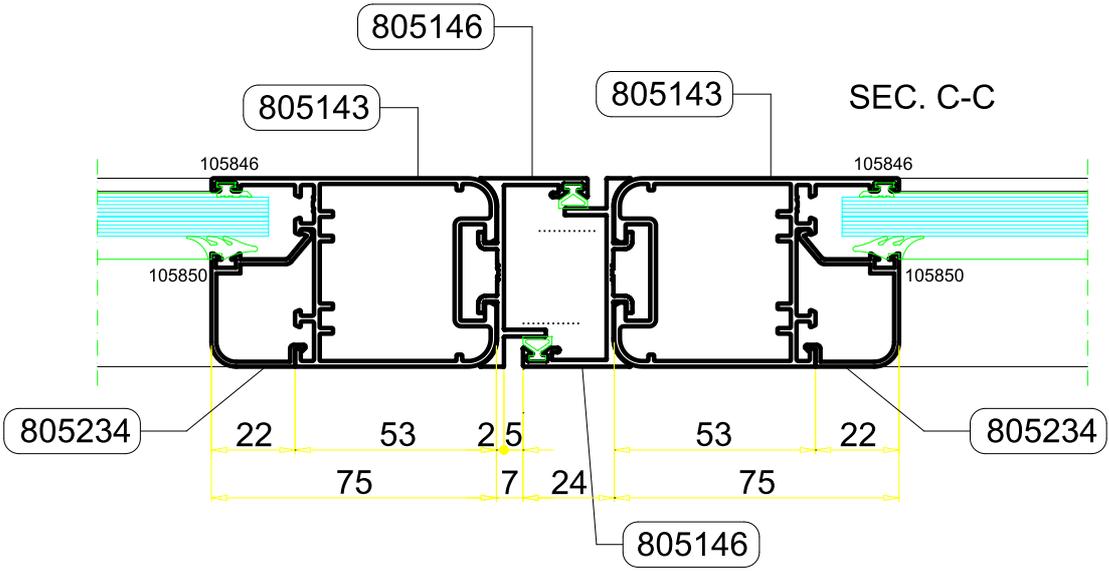
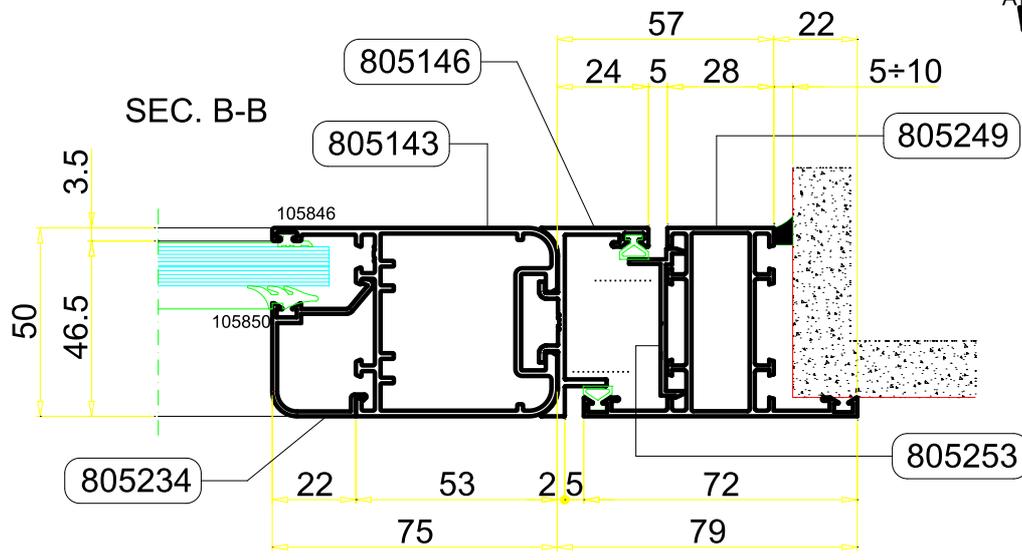
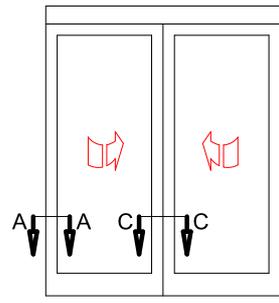
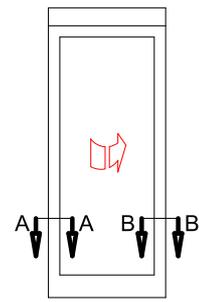
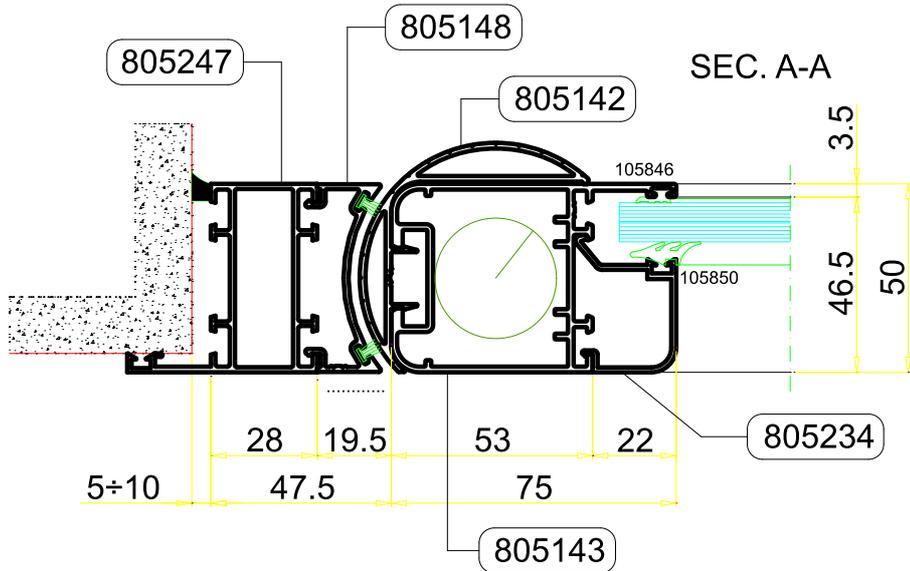
ref. draw. nr. 80-86

<p>SERIES TK50</p>	<p>PULL ARM WING MOBILE LEAVES</p>	<p>REPLACES TABLE OF</p>	<p>DATE 01/12/2011</p>
---------------------------	---	--------------------------	----------------------------



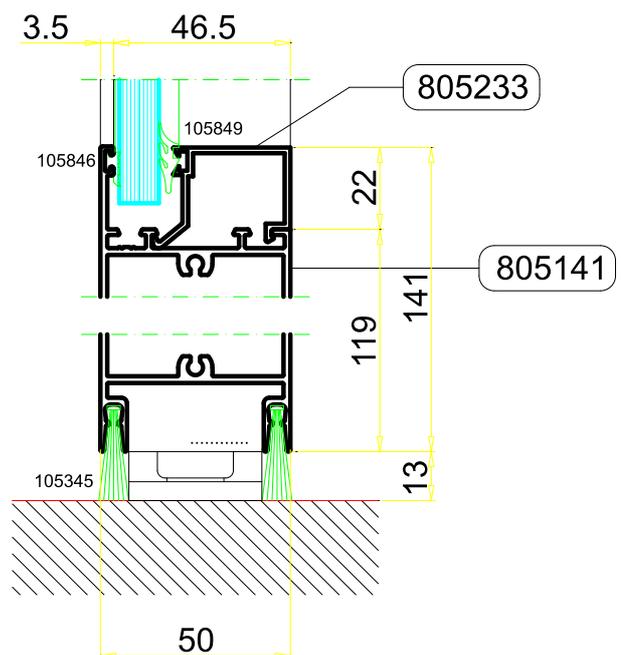
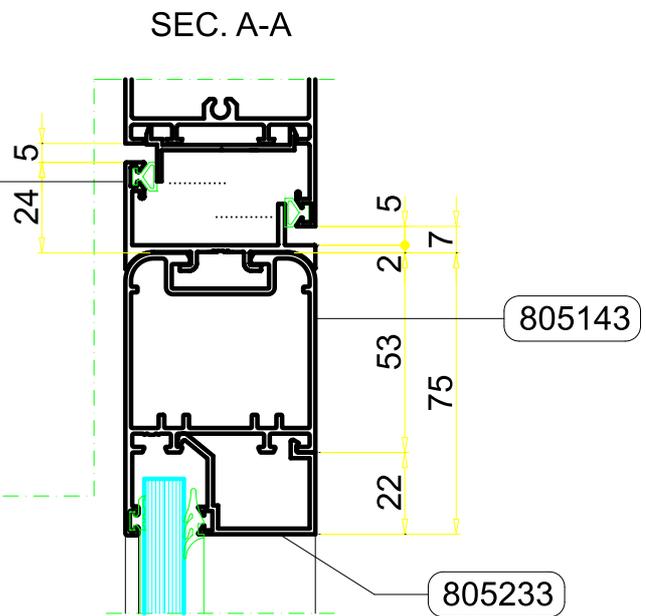
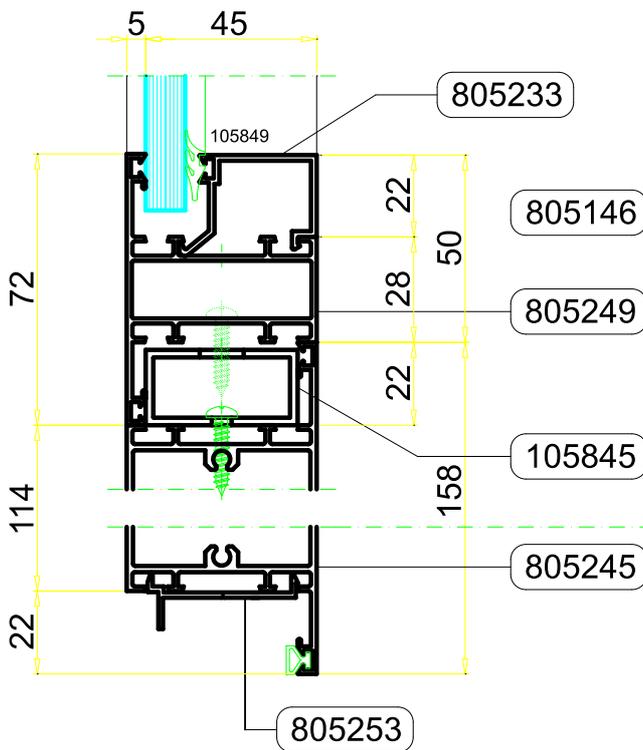
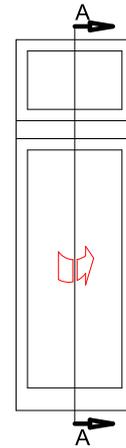
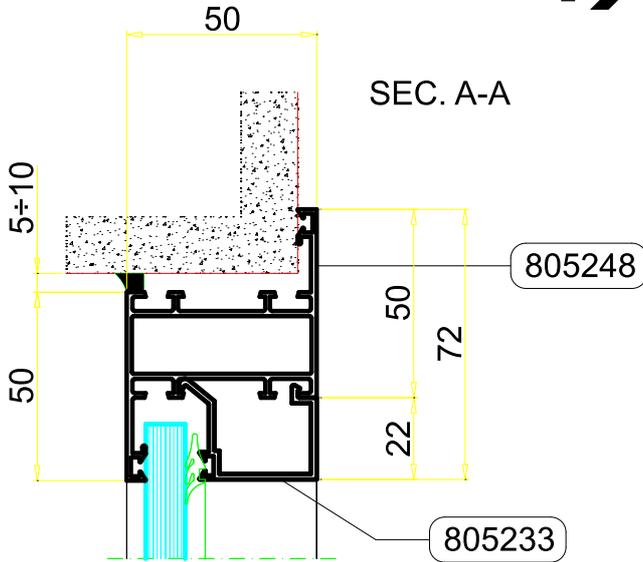
ref. draw. nr. 82

glass thickness 10/11 mm.



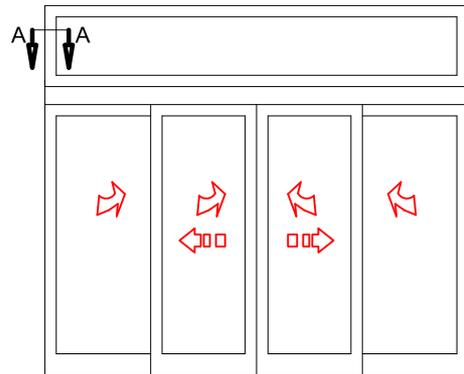
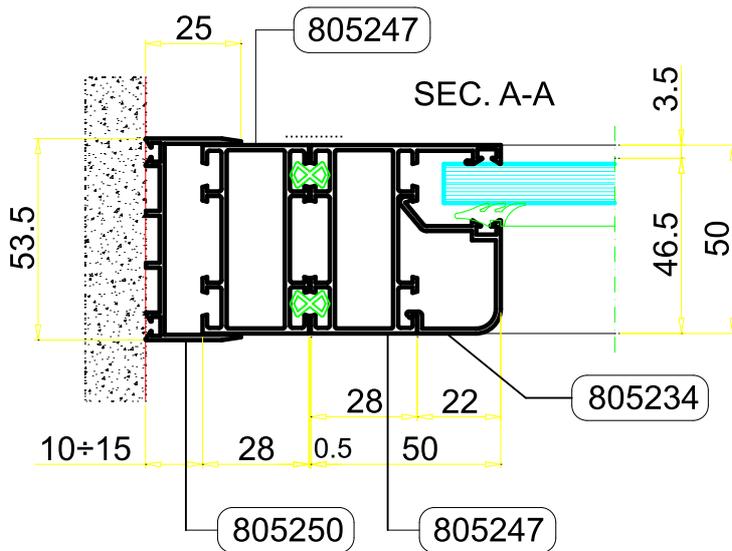
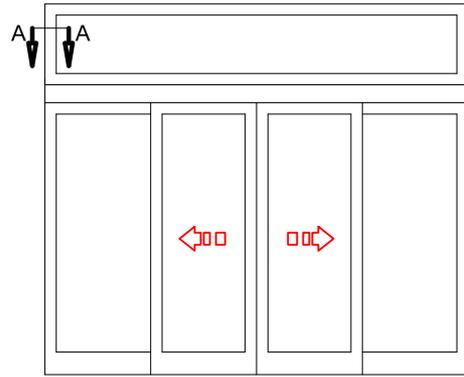
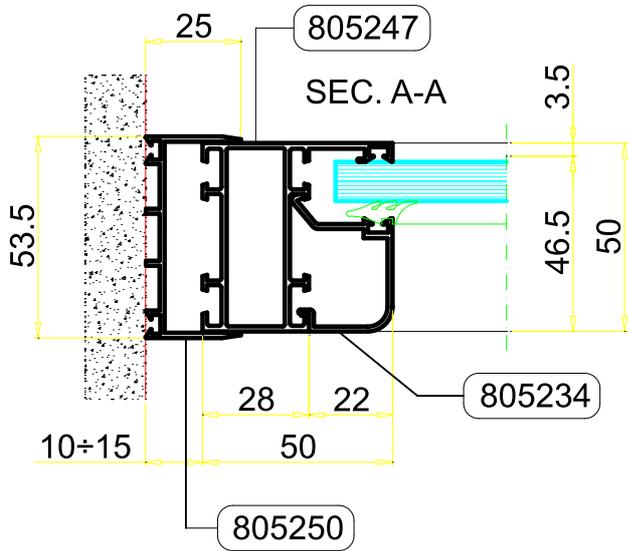
ref. draw. nr. 83-89

glass thickness 10/11 mm.



ref. draw. nr. 85

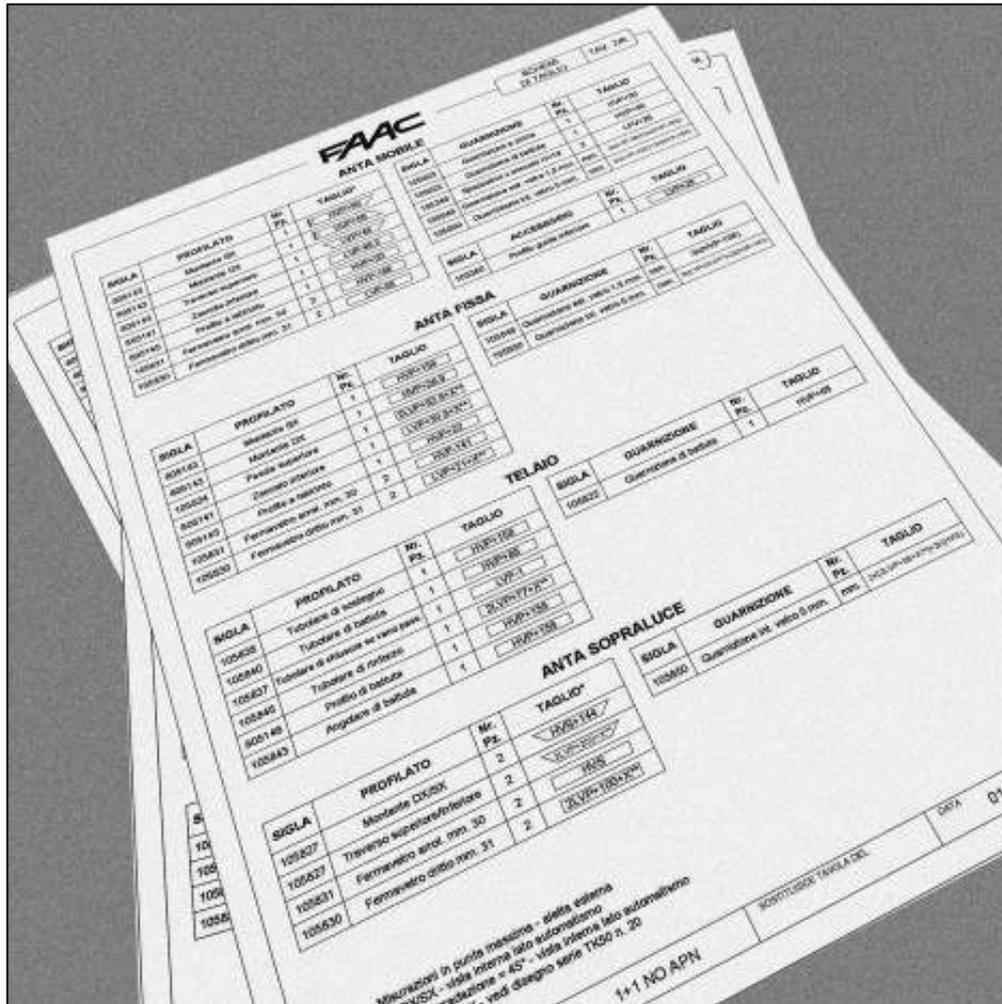
glass thickness 10/11 mm.



ref. draw. nr. 11-17

glass thickness 10/11 mm.

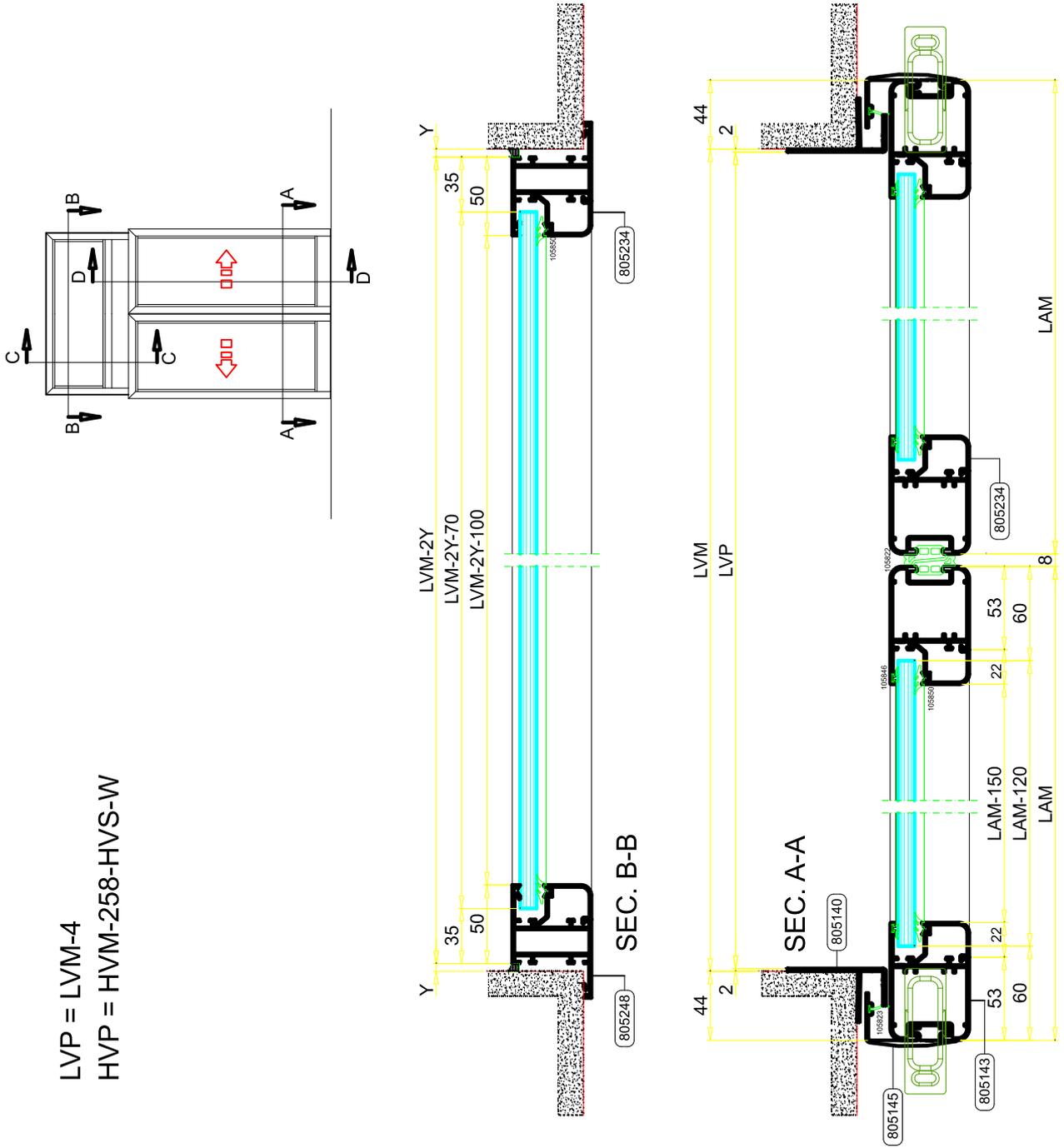
CUTTING DIAGRAMS



- CUTTING DIAGRAMS AND CORRESPONDING TABLES FOR USE OF ACCESSORIES AND SEALS FOR MAIN TYPES

		DRAW	TYPE	TAB.
930N SF / 940 SM	NO APN	6	2 mobile leaves on head profile with over gap	2-2/A
		9	2 mobile leaves + 2 fixed leaves on head profile	4-4/A
		10	2 mobile leaves + 2 fixed leaves on masonry	5-5/A
		11	2 mobile leaves + 2 fixed leaves on head profile with over gap	6-6/A
		20	1 mobile leaf + 1 fixed leaf on head profile with over gap	12- 12/A
	APN (partial and integral)	8	2 mobile leaves on head profile with over gap	3-3/A
		12	2 mobile leaves + 2 fixed leaves on head profile	7-7/A
		14	2 mobile leaves + 2 fixed leaves on head profile with over gap	8-8/A
		15	2 mobile leaves + 2 semi-fixed leaves on head profile	9-9/A
		16	2 mobile leaves + 2 semi-fixed leaves on masonry	10- 10/A
		17	2 mobile leaves + 2 semi-fixed on head profile with over gap	11- 11/A
	23	1 mobile leaf + 1 semi-fixed leaf on head profile with over gap	13- 13/A- 13/B	
A100 C / A140	NO APN	56	2 mobile leaves + 2 fixed leaves on masonry	14- 14/A
		57	2 mobile leaves + 2 fixed leaves on head profile with over gap	15- 15/A
	APN	63	2 mobile leaves + 2 semi-fixed leaves on head profile with over gap	16- 16/A
940 SMT		74	2 mobile leaves + 1 fixed leaf on head profile with over gap	17- 17/A- 17/B
		77	4 mobile leaves + 2 fixed leaves on head profile	18- 18/A- 18/B
		79	4 mobile leaves + 2 fixed leaves on head profile with over gap	19-19/A- 19/B- 19/C
950 BM/BSM		84	1 push arm swing leaf on masonry	20- 20/A
		88	2 pull arm swing leaves on head profile with over gap	21- 21/A

LVP = LVM-4
HVP = HVM-258-HVS-W

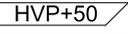
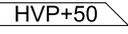
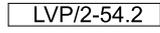


ref. draw. nr. 6

glass thickness 10/11 mm.

REPLACES TABLE OF	DATE
2 NO APN	01/12/2011
SERIES TK50 930NSF / 940SM	

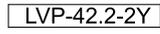
MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

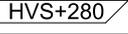
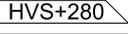
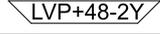
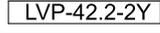
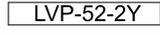
REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP+50
105822	Contact seal	2	HVP+50
105346	Brush for base H=19 mm.	4	LPV/2+20
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	2	

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805245	Upper band	1	
805225	Closing tubing on passage width	1	
105845	Reinforcement tubing	1	
805140	Vertical wall installation profile	2	

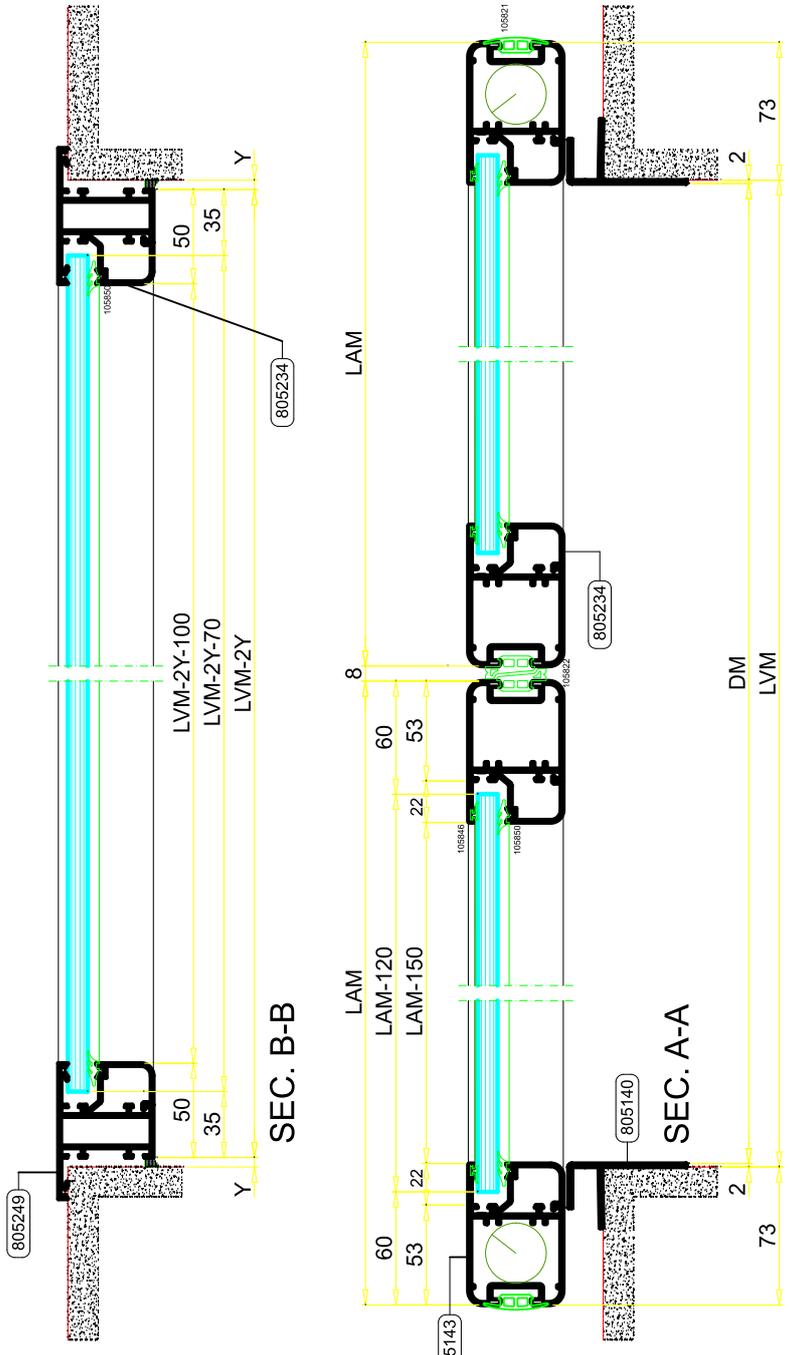
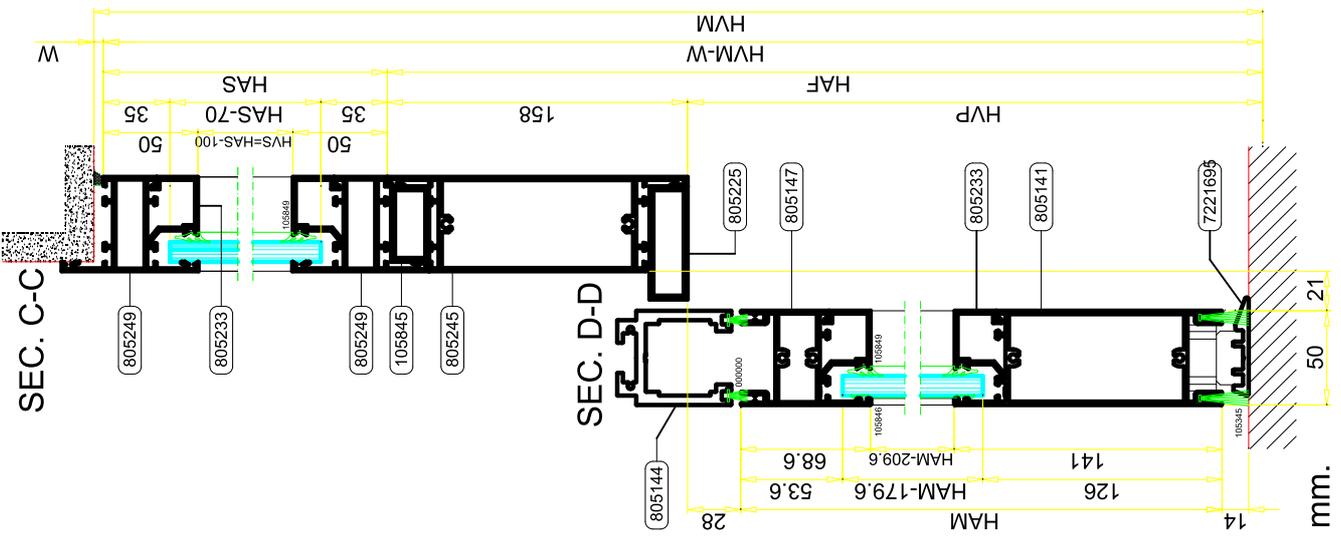
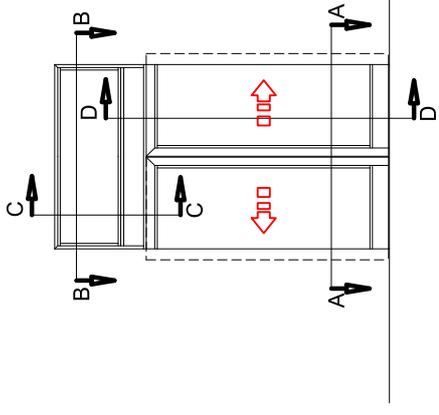
OVER GAP LEAF

REF.	SECTION BAR	Nr. Pc.	CUT*
805248	LH Upright	1	
805248	RH Upright	1	
805248	Upper cross beam	1	
805248	Lower cross beam	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 6

LVP = LVM-154-2X
HVP = HVM-258-HVS-W

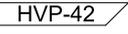
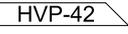
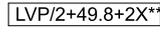
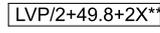
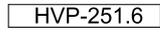
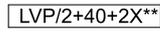


ref. draw. nr. 8

glass thickness 10/11 mm.

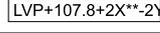
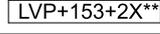
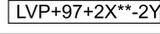
SERIES TK50 930NSF / 940SM	2 APN	REPLACES TABLE OF	DATE
			01/12/2011

MOBILE LEAVES

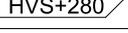
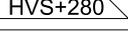
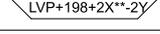
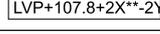
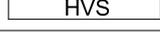
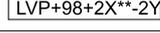
REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
105821	Round seal	2	HVP-42
105822	Contact point seal	2	HVP-42
	Brush for upper cross beam H=11 mm.	4	LPV/2+146+2X**
105345	Brush for base H=25 mm.	4	LPV/2+124+2X**
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805245	Upper band	1	
805225	Closing tubing on passage width	1	
105845	Reinforcement tubing	1	
805140	Vertical wall installation profile	2	

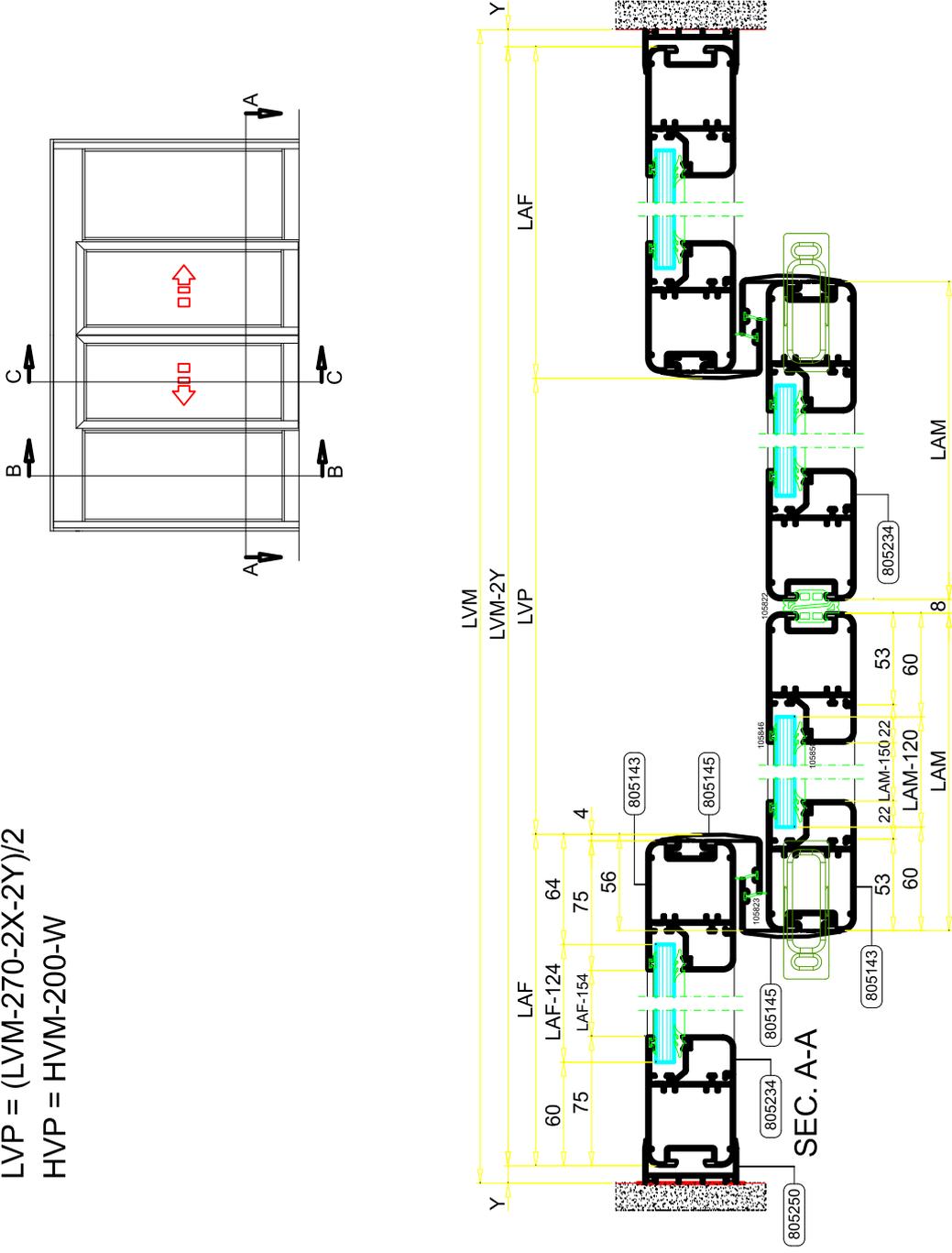
OVER GAP LEAF

REF.	SECTION BAR	Nr. Pc.	CUT*
805248	LH Upright	1	
805248	RH Upright	1	
805248	Upper cross beam	1	
805248	Lower cross beam	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 8

LVP = (LVM-270-2X-2Y)/2
HVP = HVM-200-W



SEC. B-B

SEC. B-B

SEC. C-C

SEC. A-A

ref. draw. nr. 9

glass thickness 10/11 mm.

REPLACES TABLE OF

2+2 NO APN

SERIES TK50 930NSF / 940SM

DATE

01/12/2011

MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP+48
105822	Contact point seal	2	HVP+48
105346	Brush for base H=19 mm.	4	LPV/2+30
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	2	

FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	External upright	2	
805143	Internal upright	2	
805246	Double upper band	1	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

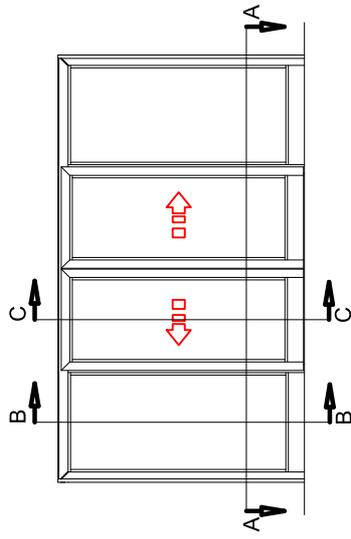
REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

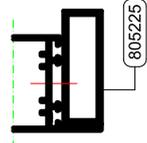
REF.	SECTION BAR	Nr. Pc.	CUT
805225	Closing tubing on passage width	1	
105845	Reinforcement tubing	1	
805250	Profile for vertical compensation	2	
805250	Profile for horizontal compensation	1	

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 09

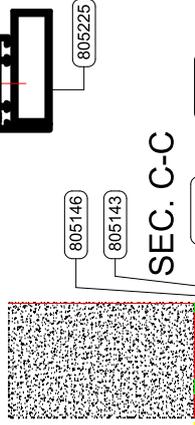
$LVP = (LVM-274-2X-2Y)/2$
 $HVP = HVM-77-W$



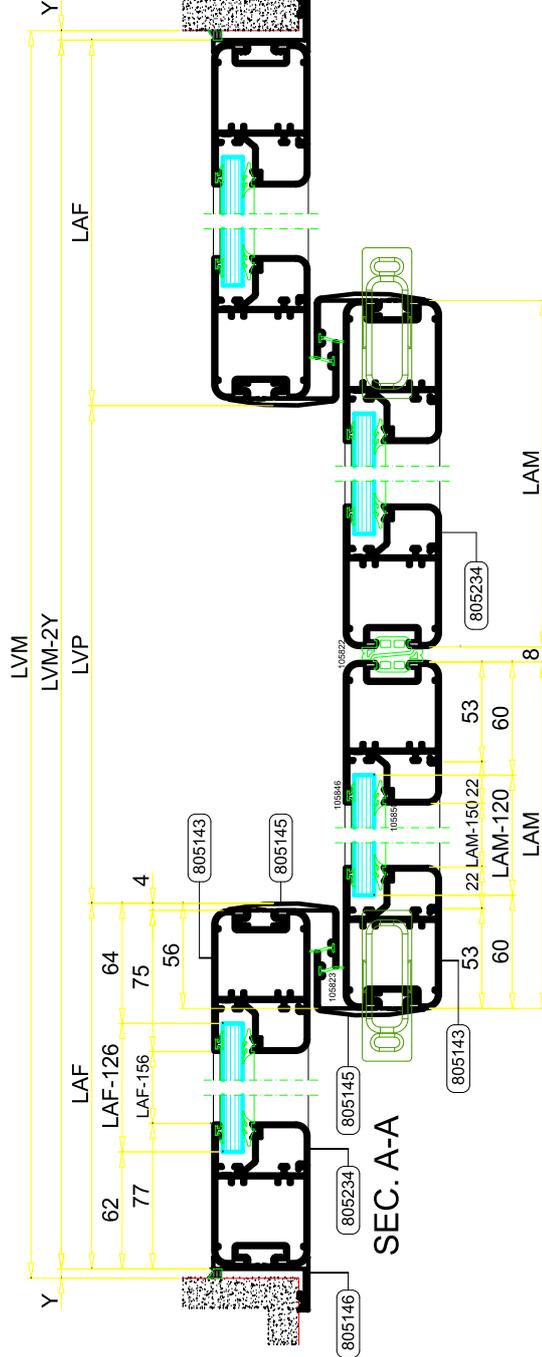
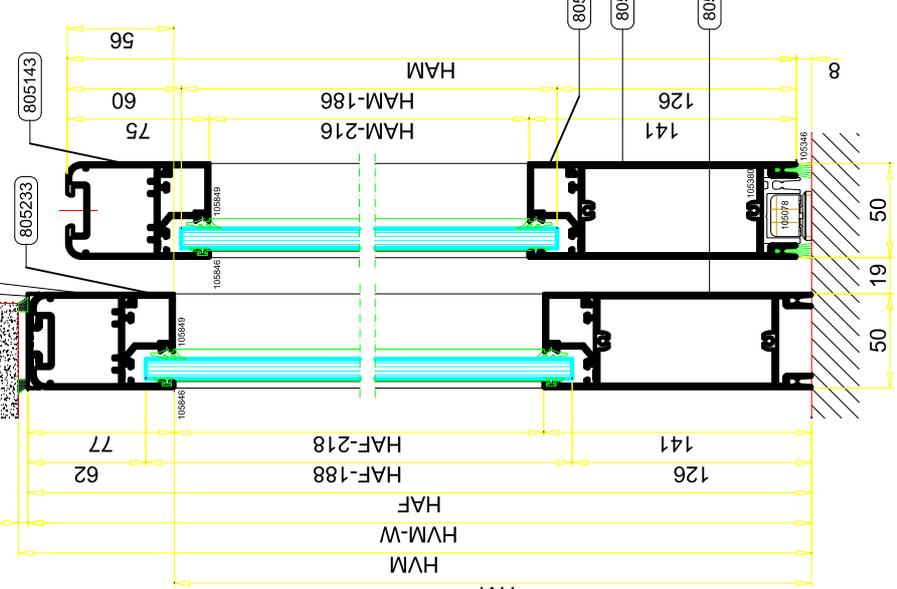
SEC. B-B



SEC. B-B



SEC. C-C

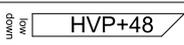
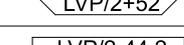
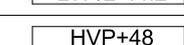
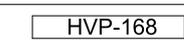
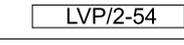


SEC. A-A

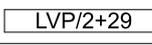
ref. draw. nr. 10

glass thickness 10/11 mm.

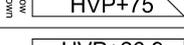
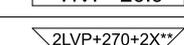
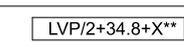
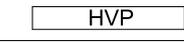
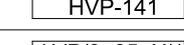
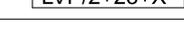
MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP+48
105822	Contact seal	2	HVP+48
105346	Brush for base H=19 mm.	4	LPV/2+30
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

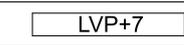
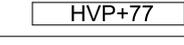
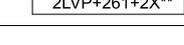
REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	2	

FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH External upright	1	
805143	RH External upright	1	
805143	Internal upright	2	
805143	Upper cross beam	1	
805141	Lower base	1	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

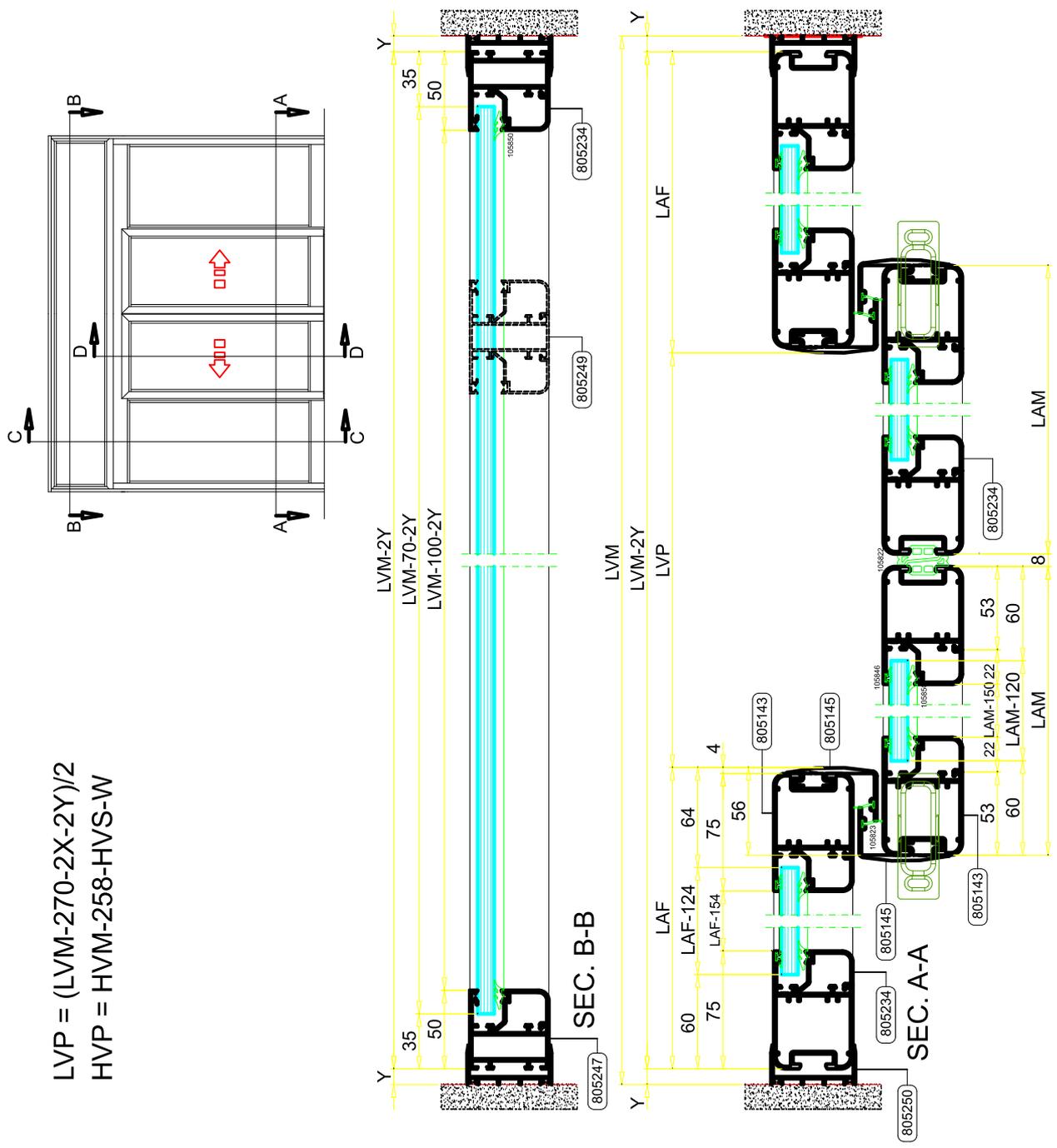
FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805225	Closing tubing on passage width	1	
805146	Vertical contact point profile	2	
805146	Horizontal contact point profile	1	

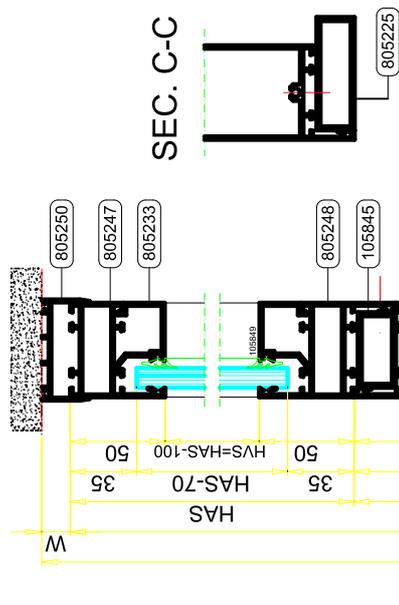
NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 10



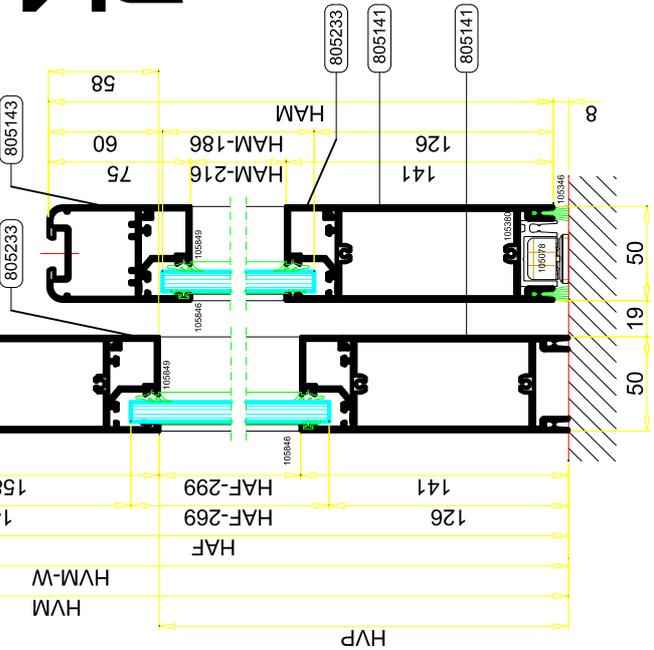
LVP = (LVM-270-2X-2Y)/2
HVP = HVM-258-HVS-W



SEC. C-C



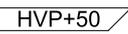
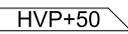
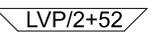
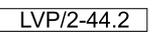
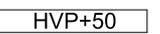
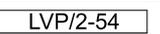
SEC. D-D



ref. draw. nr. 11

glass thickness 10/11 mm.

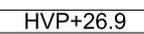
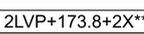
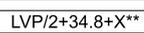
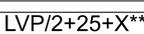
MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP+50
105822	Contact point seal	2	HVP+50
105346	Brush for base H=19 mm.	4	LPV/2+30
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

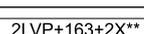
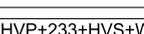
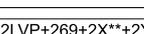
REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	2	

FIXED LEAVES

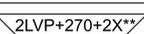
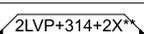
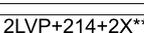
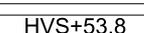
REF.	SECTION BAR	Nr. Pc.	CUT
805143	External upright	2	
805143	Internal upright	2	
105824	Upper band	1	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805225	Closing tubing on passage width	1	
105845	Reinforcement tubing	1	
805250	Profile for vertical compensation	2	
805250	Profile for horizontal compensation	1	

OVER GAP LEAF

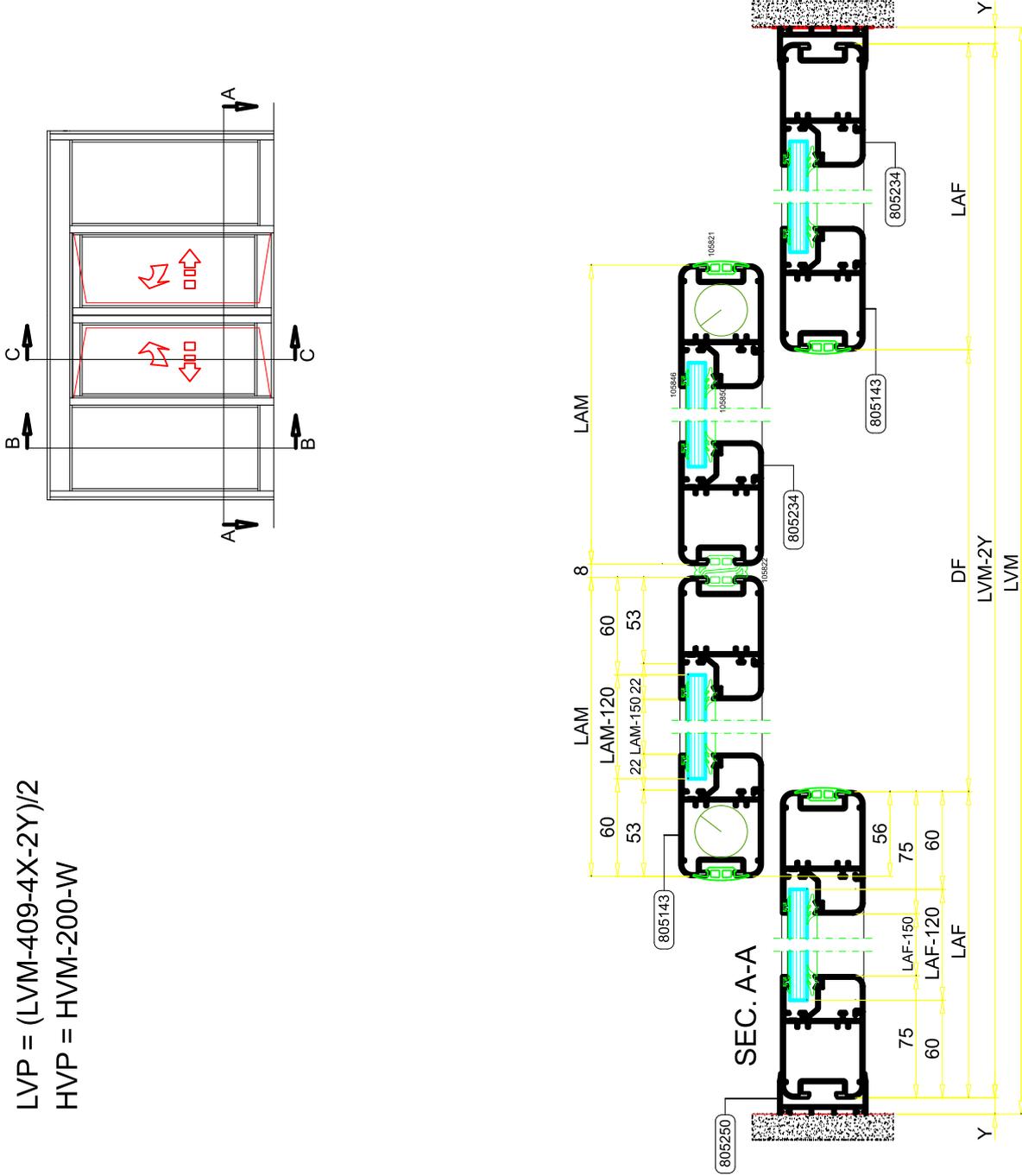
REF.	SECTION BAR	Nr. Pc.	CUT*
805247	RH/LH Upright	2	
805247	Upper cross beam	1	
805248	Lower cross beam	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	
805249	Intermediate upright (optional)		

REF.	SEAL	Nr. Pc.	CUT
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 11



LVP = (LVM-409-4X-2Y)/2
HVP = HVM-200-W



ref. draw. nr. 12

glass thickness 10/11 mm.

MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	4	HVP-21
805143	Upper cross beam	2	LVP/2+30.8+X**
805141	Lower base	2	LVP/2+30.8+X**
805234	Roll-up glass restrainer mm. 30	4	HVP-230.6
805233	Straight glass restrainer mm. 31	4	LVP/2+21+X**
805144	Profile for fitting of antipanic leaf	2	LVP/2+127+X**
7221695	Floor sliding rail	2	LVP/2+52

REF.	SEAL	Nr. Pc.	CUT
105821	Round seal	2	HVP-21
105822	Contact point seal	2	HVP-21
	Brush for upper cross beam H=11 mm.	4	LPV/2+127+X**
105345	Brush for base H=25 mm.	4	LPV/2+105+X**
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	External upright	2	HVP+200
805143	Internal upright	2	HVP+26.9
805245	Upper band	1	2LVP+312.8+4X**
805141	Lower base	2	LVP/2+30.8+X**
805234	Roll-up glass restrainer mm. 30	2	HVP-141
805233	Straight glass restrainer mm. 31	2	LVP/2+21+X**

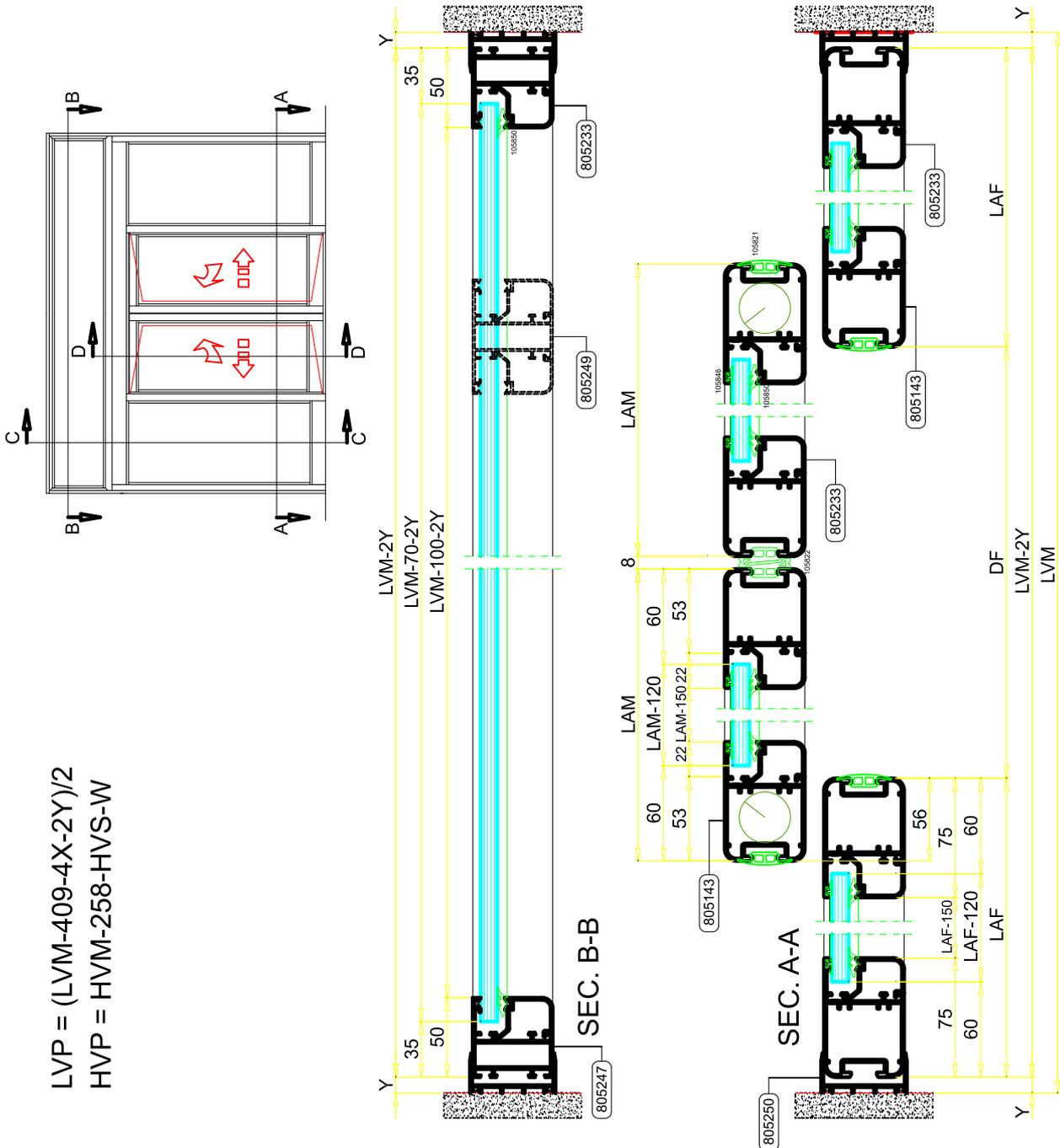
REF.	SEAL	Nr. Pc.	CUT
105821	Round seal	2	HVP
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805252	Closing profile on passage width	1	LVP+154+2X**
105845	Reinforcement tubing	1	2LVP+302+4X**
805250	Profile for vertical compensation	2	HVP+175+W
805250	Profile for horizontal compensation	1	2LVP+408+4X**+2Y

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 12

LVP = (LVM-409-4X-2Y)/2
HVP = HVM-258-HVS-W



ref. draw. nr. 14

glass thickness 10/11 mm.

MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	4	HVP-21
805143	Upper cross beam	2	LVP/2+30.8+X**
805141	Lower base	2	LVP/2+30.8+X**
805234	Roll-up glass restrainer mm. 30	4	HVP-230.6
805233	Straight glass restrainer mm. 31	4	LVP/2+21+X**
805144	Profile for fitting of antipanic leaf	2	LVP/2+127+X**
7221695	Floor sliding rail	2	LVP/2+52

REF.	SEAL	Nr. Pc.	CUT
105821	Round seal	2	HVP-21
105822	Contact point seal	2	HVP-21
	Brush for upper cross beam H=11 mm.	4	LPV/2+127+X**
105345	Brush for base H=25 mm.	4	LPV/2+105+X**
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	External upright	2	HVP+158
805143	Internal upright	2	HVP+26.9
805245	Upper band	1	2LVP+312.8+4X**
805141	Lower base	2	LVP/2+30.8+X**
805234	Roll-up glass restrainer mm. 30	2	HVP-141
805233	Straight glass restrainer mm. 31	2	LVP/2+21+X**

REF.	SEAL	Nr. Pc.	CUT
105821	Round seal	2	HVP
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805252	Closing profile on passage width	1	LVP+154+2X**
105845	Reinforcement tubing	1	2LVP+302+4X**
805250	Profile for vertical compensation	2	HVP+233+HVS+W
805250	Profile for horizontal compensation	1	2LVP+408+4X**+2Y

OVER GAP LEAF

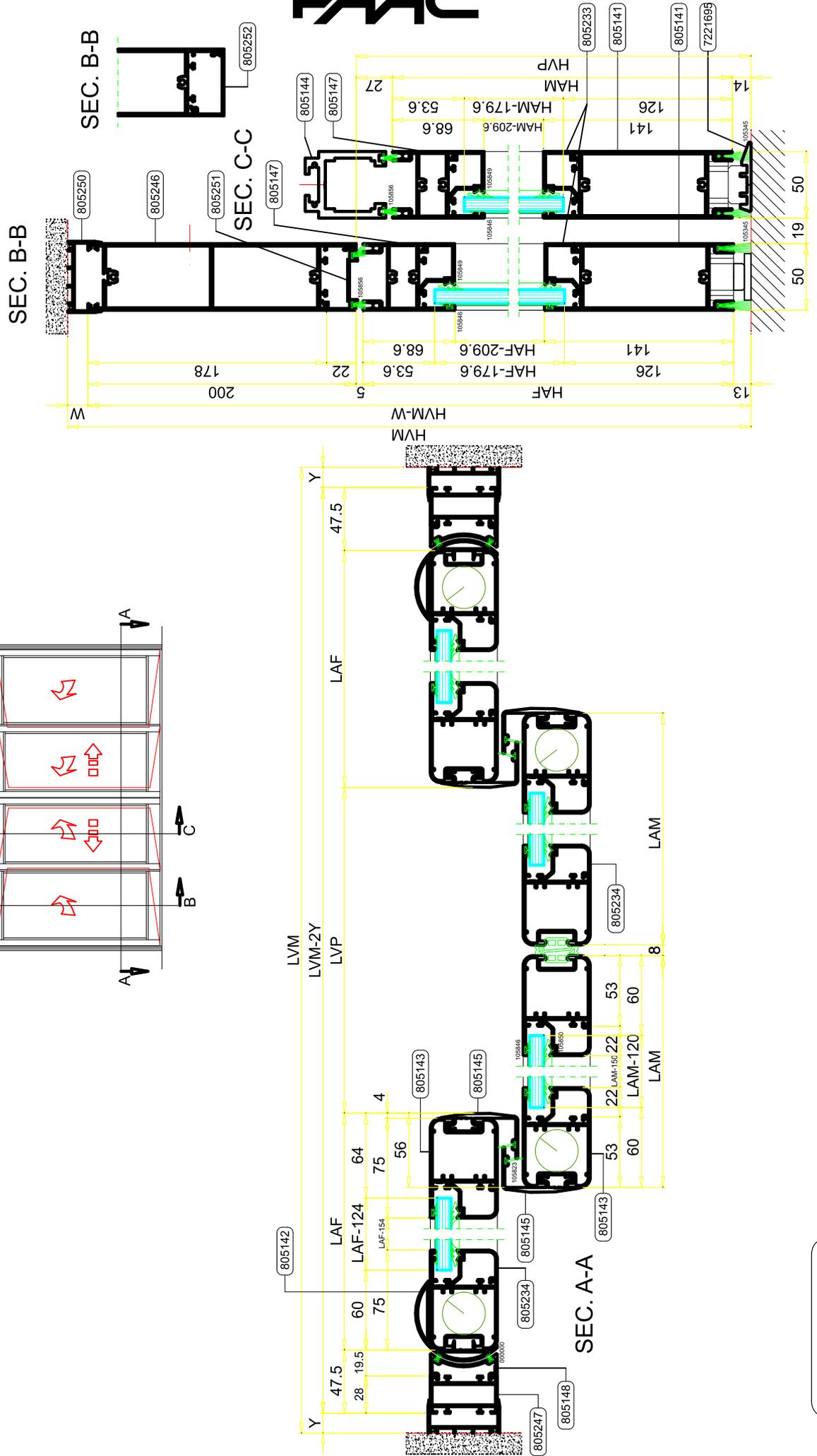
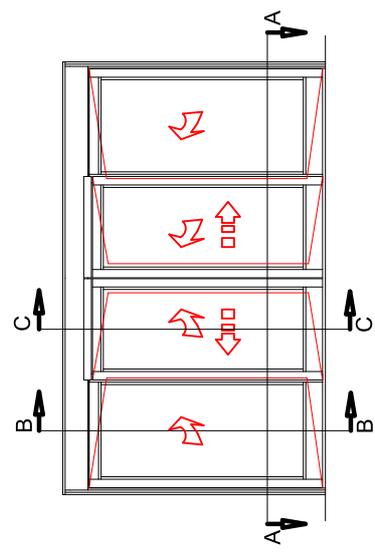
REF.	SECTION BAR	Nr. Pc.	CUT*
805247	RH/LH Upright	2	HVS+100
805247	Upper cross beam	1	2LVP+409+4X**
805248	Lower cross beam	1	2LVP+453+4X**
805234	Roll-up glass restrainer mm. 30	2	HVS
805233	Straight glass restrainer mm. 31	2	2LVP+353+4X**
805249	Intermediate upright (optional)		HVS+53.8

REF.	SEAL	Nr. Pc.	CUT
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 14



LVP = (LVM-365-2X-2Y)/2
HVP = HVM-200-W



ref. draw. nr. 15

glass thickness 10/11 mm.

MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	4	HVP-41
805147	Upper cross beam	2	LVP/2-44.2
805141	Lower base	2	LVP/2-44.2
805145	Labyrinth profile	2	HVP-41
805234	Roll-up glass restrainer mm. 30	4	HVP-250.6
805233	Straight glass restrainer mm. 31	4	LVP/2-54

805144	Profile for fitting antipanic leaf	2	LVP/2+52
7221695	Floor sliding rail	2	LVP/2+56

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP-41
105822	Contact seal	2	HVP-41
105345	Brush for base H=25 mm.	4	LPV/2+30
105856	Brush for leaf fitting profile H=11 mm.	4	LPV/2+52
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

SEMI-FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	4	HVP-18
805147	Upper cross beam	2	LVP/2+35.3+X**
805141	Lower base	2	LVP/2+35.3+X**
805145	Labyrinth profile	2	HVP-18
805142	Half circle profile	2	HVP-18
805234	Roll-up glass restrainer mm. 30	4	HVP-227.6
805233	Straight glass restrainer mm. 31	4	LVP/2+25.5+X**

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP-18
105345	Brush for base H=25 mm.	4	LPV/2+109.5+X**
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

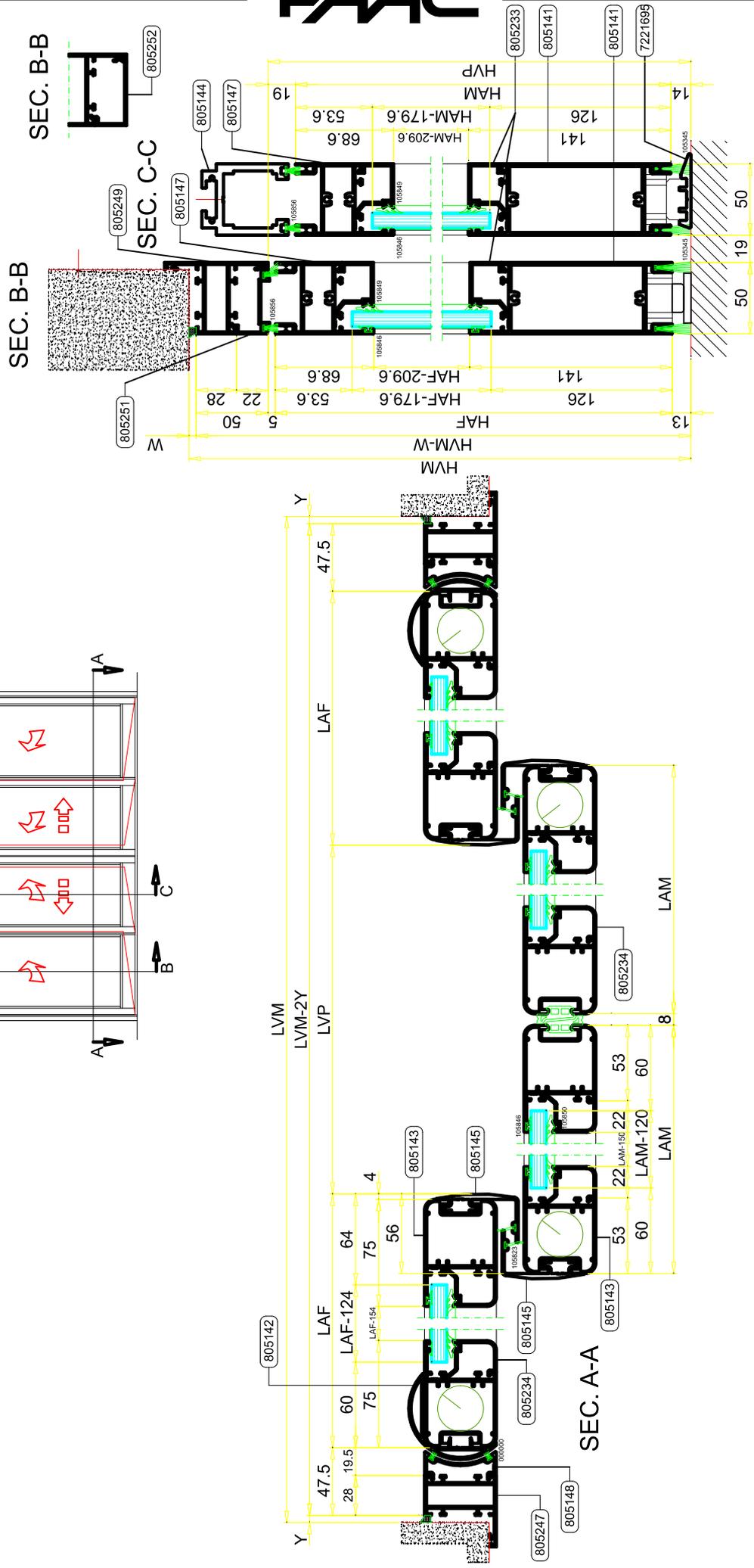
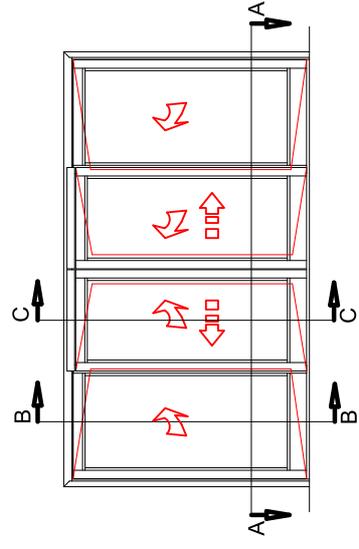
FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805247	RH/LH Upright	2	HVP+200
805245	Upper band	1	2LVP+318.8+2X**
105848	Door-felt covering profile	2	HVP+22
805251	Brush carrier profile	2	LVP+64.5+X**
805252	Over gap leaf lower cross beam	1	LVP+21
805250	Profile for vertical compensation	2	HVP+175+W
805250	Profile for horizontal compensation	1	2LVP+364+2X**+2Y

REF.	SEAL	Nr. Pc.	CUT
105856	Brush for upper cross beam H=11 mm.	2	LVP+64.5+X**
105856	Brush for upper cross beam H=11 mm.	2	LVP-15.5+X**
105856	Brush for door-felt profile	4	HVP+22

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 ** Safety distance X - see drawing series TK50 n. 15

LVP = (LVM-365-2X-2Y)/2
HVP = HVM-50-W



ref. draw. nr. 16

glass thickness 10/11 mm.

MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	4	HVP-33
805147	Upper cross beam	2	LVP/2-44.2
805141	Lower base	2	LVP/2-44.2
805145	Labyrinth profile	2	HVP-33
805234	Roll-up glass restrainer mm. 30	4	HVP-242.6
805233	Straight glass restrainer mm. 31	4	LVP/2-54

805144	Profile for fitting of antipanic leaf	2	LVP/2+52
7221695	Floor sliding rail	2	LVP/2+56

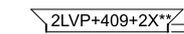
REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP-33
105822	Contact seal	2	HVP-33
105345	Brush for base H=25 mm.	4	LPV/2+30
105856	Brush for upper cross beam H=11 mm.	4	LPV/2+52
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

SEMI-FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	4	HVP-18
805147	Upper cross beam	2	LVP/2+35.3+X**
805141	Lower base	2	LVP/2+35.3+X**
805145	Labyrinth profile	2	HVP-18
805142	Half circle profile	2	HVP-18
805234	Roll-up glass restrainer mm. 30	4	HVP-227.6
805233	Straight glass restrainer mm. 31	4	LVP/2+25.5+X**

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP-18
105345	Brush for base H=25 mm.	4	LPV/2+109.5+X**
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

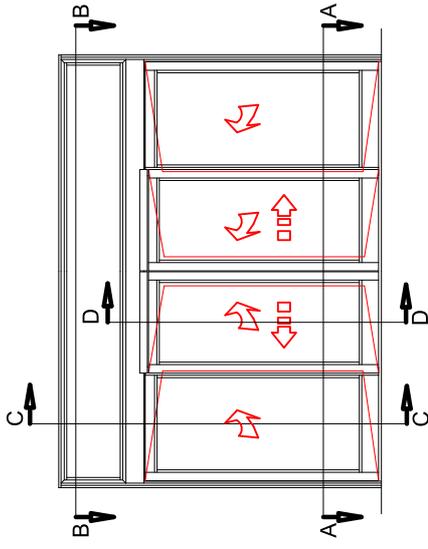
FRAME

REF.	SECTION BAR	Nr. Pc.	CUT*
805247	LH Upright	1	 HVP+72
805247	RH Upright	1	 HVP+72
805249	Upper cross beam	1	 2LVP+409+2X**
805249	Door-felt covering profile	2	HVP+22
805251	Brush carrier profile	2	LVP+64.5+X**
805252	Closing tubing on passage width	1	LVP+21

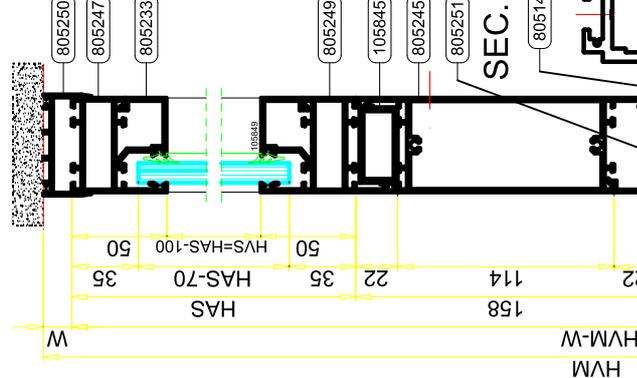
REF.	SEAL	Nr. Pc.	CUT
105856	Brush for upper cross beam H=11 mm.	2	LVP+64.5+X**
105856	Brush for upper cross beam H=11 mm.	2	LVP-15.5+X**
105856	Brush for door-felt profile	4	HVP+22

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 16

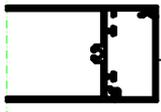
LVP = $(LVM-365-2X-2Y)/2$
 HVP = $HVM-258-HVS-W$



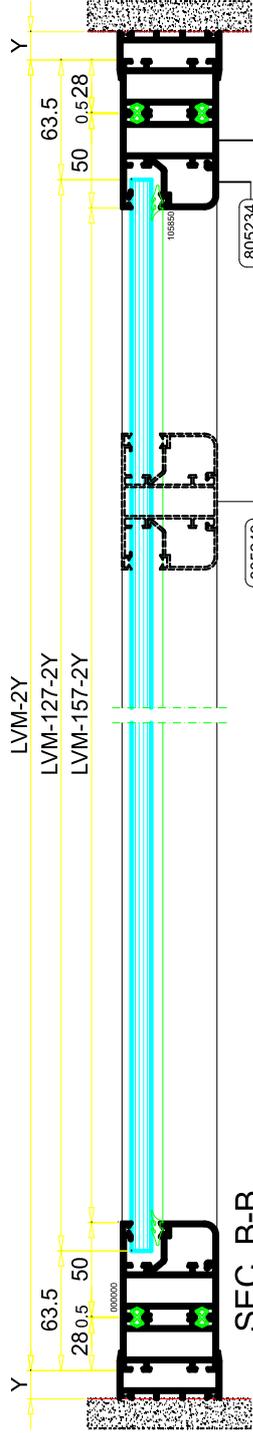
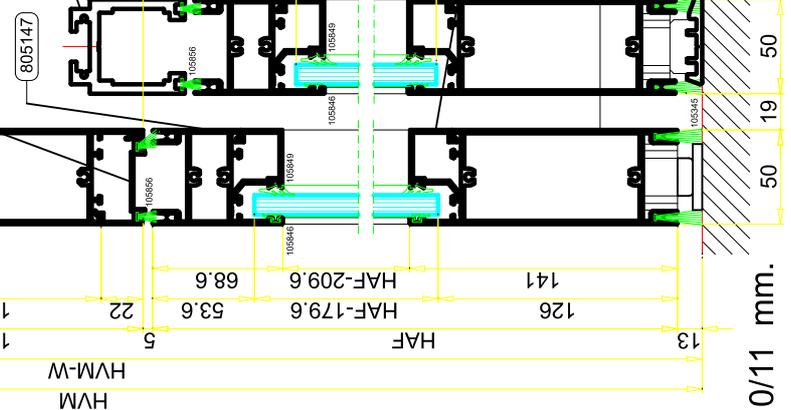
SEC. C-C



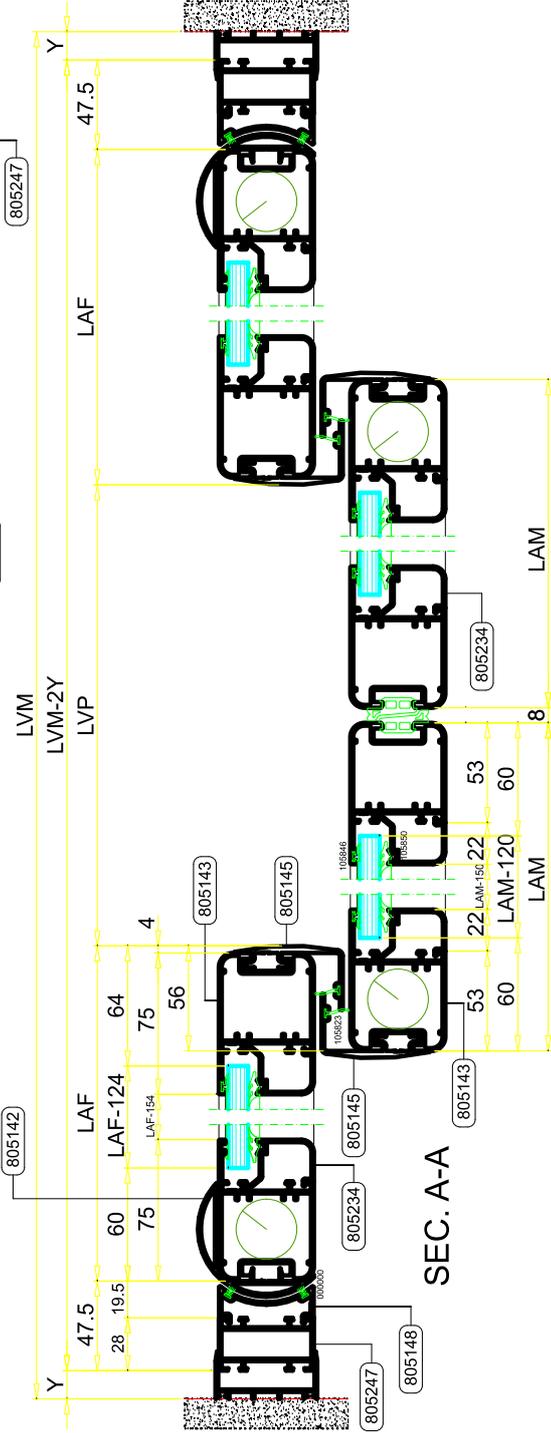
SEC. C-C



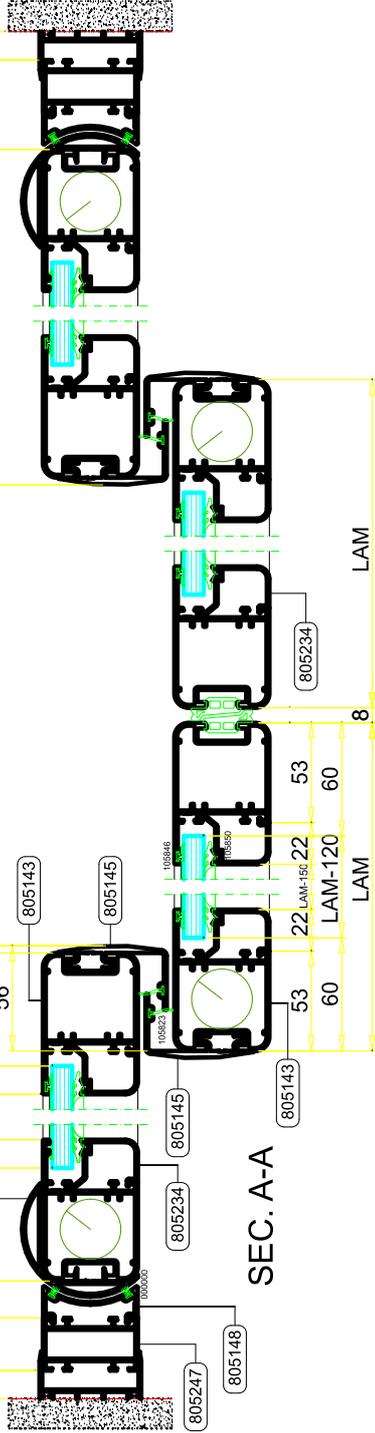
SEC. D-D



SEC. B-B



SEC. A-A



ref. draw. nr. 17

glass thickness 10/11 mm.



MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	4	HVP-41
805147	Upper cross beam	2	LVP/2-44.2
805141	Lower base	2	LVP/2-44.2
805145	Labyrinth profile	2	HVP-41
805234	Roll-up glass restrainer mm. 30	4	HVP-250.6
805233	Straight glass restrainer mm. 31	4	LVP/2-54
805144	Profile for fitting of antipanic leaf	2	LVP/2+52
7221695	Floor sliding rail	2	LVP/2+56

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP-41
105822	Contact seal	2	HVP-41
105345	Brush for base H=25 mm.	4	LPV/2+30
105856	Brush for upper cross beam H=11 mm.	4	LPV/2+52
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

SEMI-FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	4	HVP-18
805147	Upper cross beam	2	LVP/2+35.3+X**
805141	Lower base	2	LVP/2+35.3+X**
805145	Labyrinth profile	2	HVP-18
805142	Half circle profile	2	HVP-18
805234	Roll-up glass restrainer mm. 30	4	HVP-227.6
805233	Straight glass restrainer mm. 31	4	LVP/2+25.5+X**

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP-18
105345	Brush for base H=25 mm.	4	LPV/2+109.5+X**
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805247	RH/LH Upright	2	HVP+258+HVS
805245	Upper band	1	2LVP+318.8+2X**
105848	Door-felt covering profile	2	HVP+22
805251	Brush carrier profile	2	LVP+64.5+X**
805252	Closing tubing on passage width	1	LVP+21
105845	Reinforcement tubing	1	2LVP+309+2X**
805250	Profile for vertical compensation	2	HVP+233+HVS+W
805250	Profile for horizontal compensation	1	2LVP+364+2X**+2Y

REF.	SEAL	Nr. Pc.	CUT
105856	Brush for upper cross beam H=11 mm.	2	LVP+64.5+X**
105856	Brush for upper cross beam H=11 mm.	2	LVP-15.5+X**
105856	Brush for door-felt profile	4	HVP+22

OVER GAP LEAF

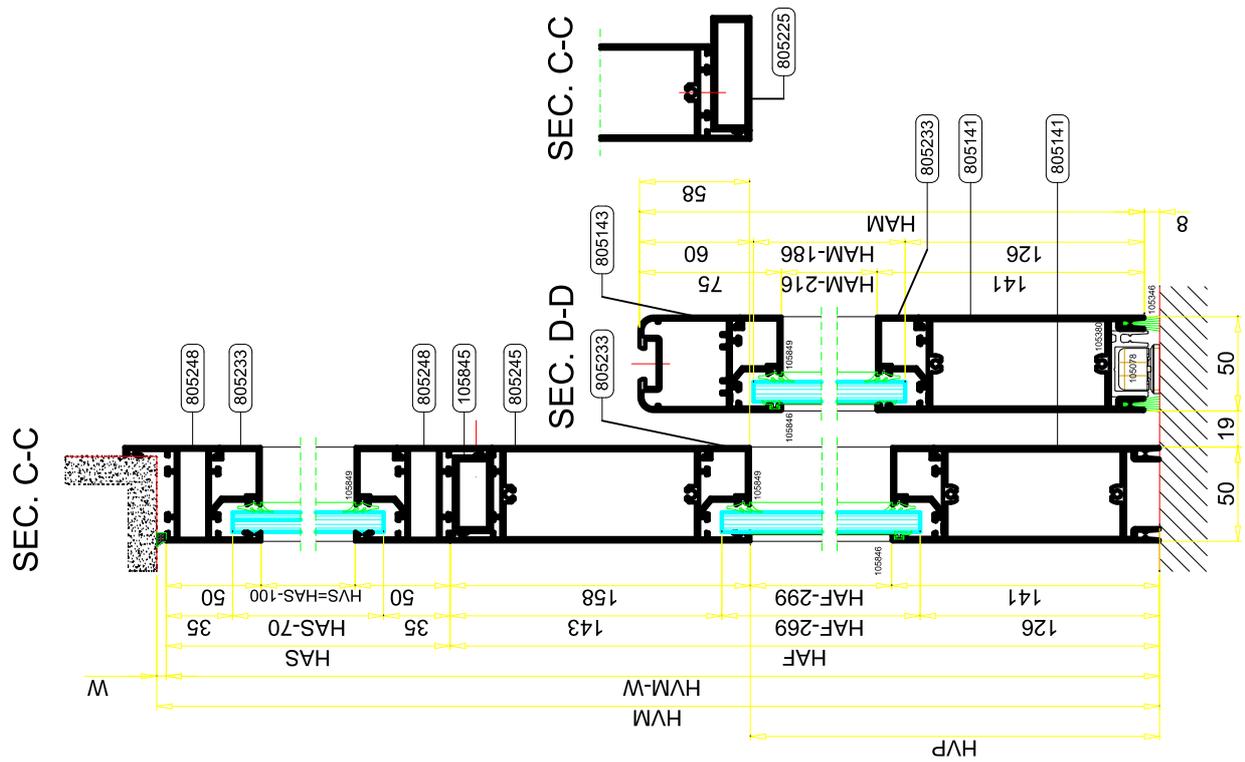
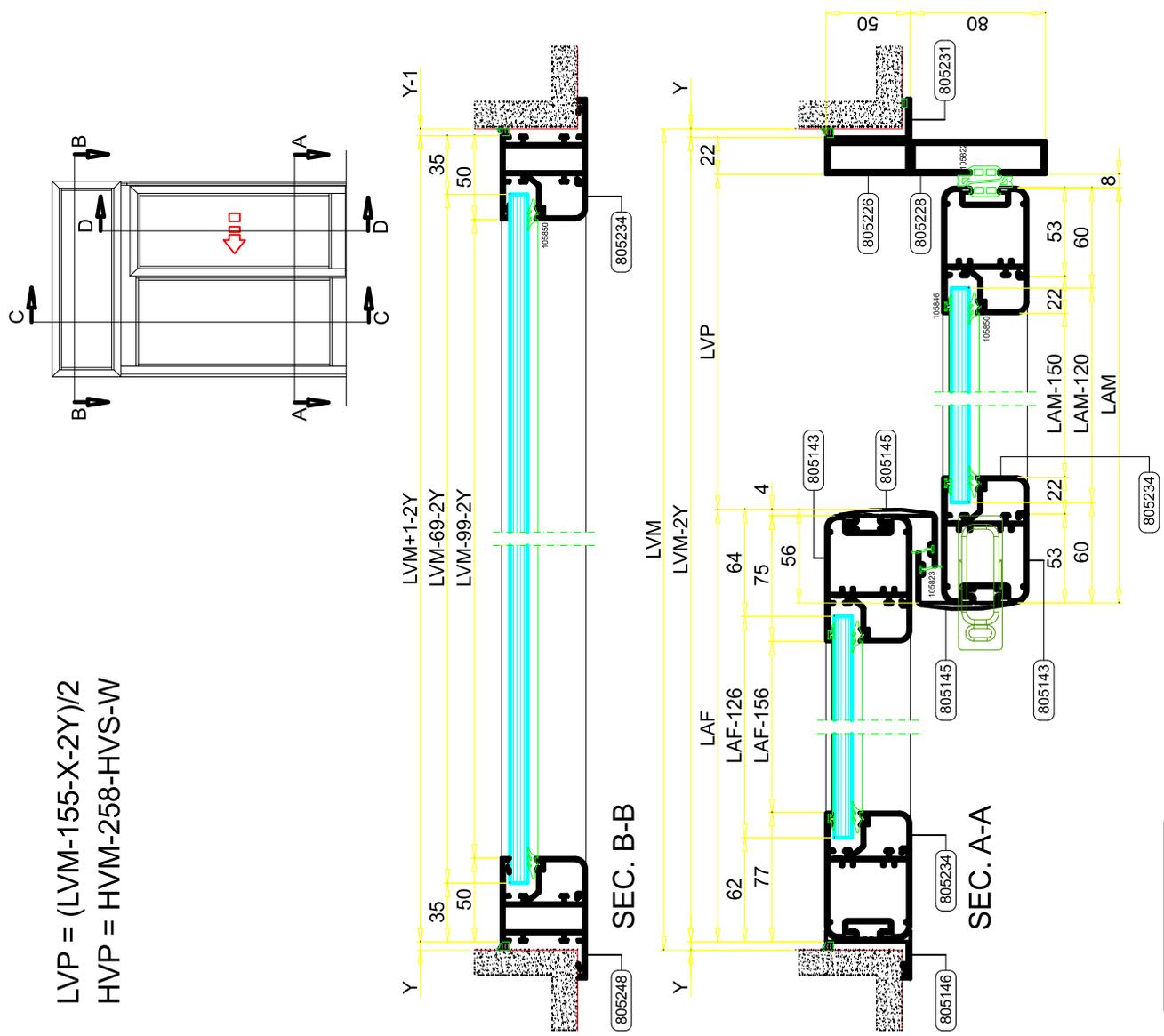
REF.	SECTION BAR	Nr. Pc.	CUT*
805247	RH/LH Upright	2	HVS+100
805247	Upper cross beam	1	2LVP+308+2X**
805249	Lower cross beam	1	2LVP+352+2X**
805234	Roll-up glass restrainer mm. 30	2	HVS
805233	Straight glass restrainer mm. 31	2	2LVP+252+2X**
805249	Intermediate upright (optional)		HVS+53.8

REF.	SEAL	Nr. Pc.	CUT
105851	Profile connecting seal	4	HVS+100
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 17



LVP = (LVM-155-X-2Y)/2
HVP = HVM-258-HVS-W



ref. draw. nr. 20

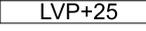
glass thickness 10/11 mm.

REPLACES TABLE OF	DATE
SERIES TK50 930NSF / 940SM 1+1 NO APN	01/12/2011

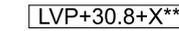
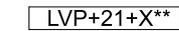
MOBILE LEAF

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	1	
805143	RH Upright	1	
805143	Upper cross beam	1	
805141	Lower base	1	
805145	Labyrinth profile	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	1	HVP+50
105822	Contact point seal	1	HVP+50
105346	Brush for base H=19 mm.	2	LPV+26
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	1	

FIXED LEAF

REF.	SECTION BAR	Nr. Pc.	CUT
805143	LH Upright	1	
805143	RH Upright	1	
805245	Upper band	1	
805141	Lower base	1	
805145	Labyrinth profile	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

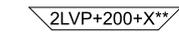
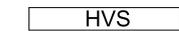
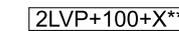
REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	1	HVP+22
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805226	Support tubing	1	
805228	Contact tubing	1	
805225	Closing tubing on passage width	1	
105845	Reinforcement tubing	1	
805146	Contact point profile	1	
805231	Contact point angled element	1	

REF.	SEAL	Nr. Pc.	CUT
105822	Contact point seal	1	HVP+68

OVER GAP LEAF

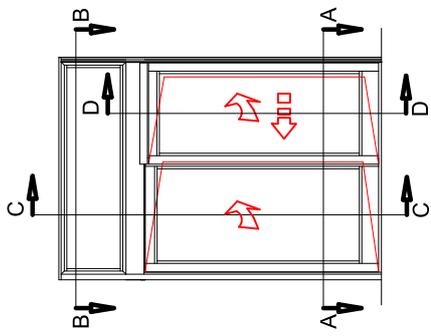
REF.	SECTION BAR	Nr. Pc.	CUT*
805248	RH/LH Upright	2	
805248	Upper/lower cross beam	2	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

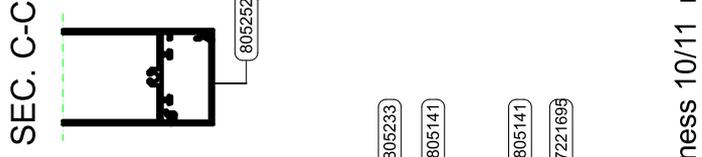
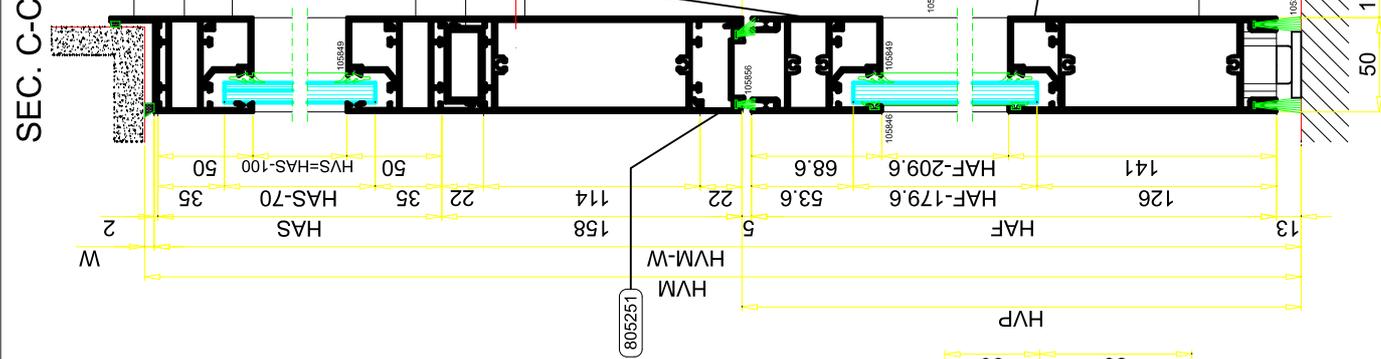
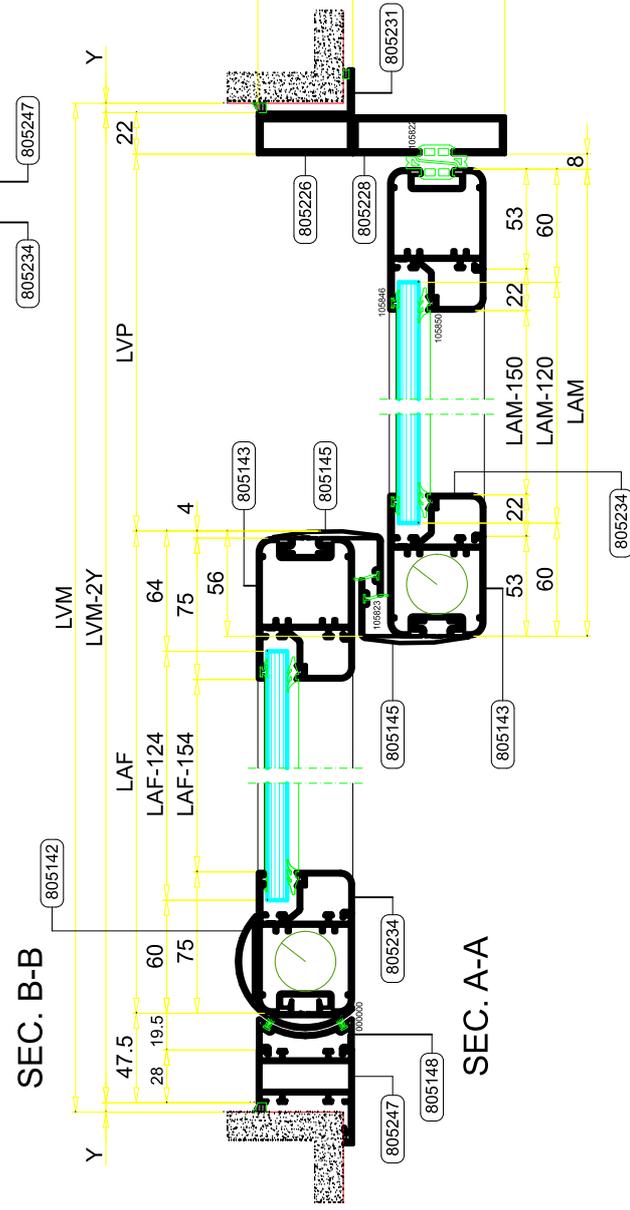
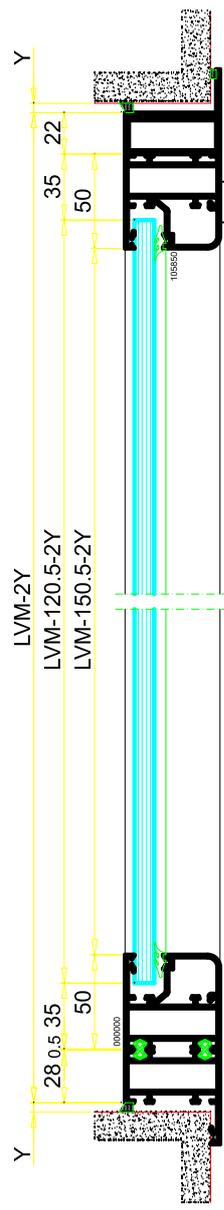
NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 20



CUTTING DIAGRAMS
TAB. 13



LVP = (LVM-200,5-X-2Y)/2
HVP = HVM-260-HVS-W



ref. draw. nr. 23

SERIES TK50 930NSF / 940SM		1+1 APN	REPLACES TABLE OF	DATE
				01/12/2011

glass thickness 10/11 mm.

MOBILE LEAF

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	2	HVP-41
805147	Upper cross beam	1	LVP-48.2
805141	Lower base	1	LVP-48.2
805145	Labyrinth profile	1	HVP-41
805234	Roll-up glass restrainer mm. 30	2	HVP-250.6
805233	Straight glass restrainer mm. 31	2	LVP-58
805144	Profile for fitting antipanic leaf	1	LVP+48
7221695	Floor sliding rail	1	LVP+52

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	1	HVP-41
105822	Contact seal	1	HVP-41
105345	Brush for base H=25 mm.	2	LPV+26
105856	Brush for upper cross beam H=11 mm.	2	LPV+48
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

SEMI-FIXED LEAF

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	2	HVP-18
805147	Upper cross beam	1	LVP+30.8+X**
805141	Lower base	1	LVP+30.8+X**
805145	Labyrinth profile	1	HVP-18
805142	Half circle profile	1	HVP-18
805234	Roll-up glass restrainer mm. 30	2	HVP-227.6
805233	Straight glass restrainer mm. 31	2	LVP+21+X**

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	1	HVP-18
105345	Brush for base H=25 mm.	2	LPV+105+X**
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

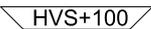
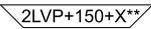
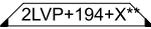
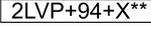
FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805226	Support tubing	1	HVP+258+HVS
805228	Contact tubing	1	HVP+68
805247	LH Upright	1	HVP+258+HVS
805245	Upper band	1	2LVP+155.4+X**
105848	Door-felt covering profile	1	HVP+22
805251	Brush carrier profile	1	LVP+60.5+X**
805252	Closing tubing on passage width	1	LVP+10.5
105845	Reinforcement tubing	1	2LVP+179.5+X**
805231	Contact point angled element	1	HVP+258+HVS
805231	Contact point angled element	1	2LVP+245.5+X**

REF.	SEAL	Nr. Pc.	CUT
105822	Contact seal	1	HVP+48
105856	Brush for upper cross beam H=11 mm.	1	LVP+60.5+X**
105856	Brush for upper cross beam H=11 mm.	1	LVP-19.5+X**
105856	Brush for door-felt profile	2	HVP+22

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 23

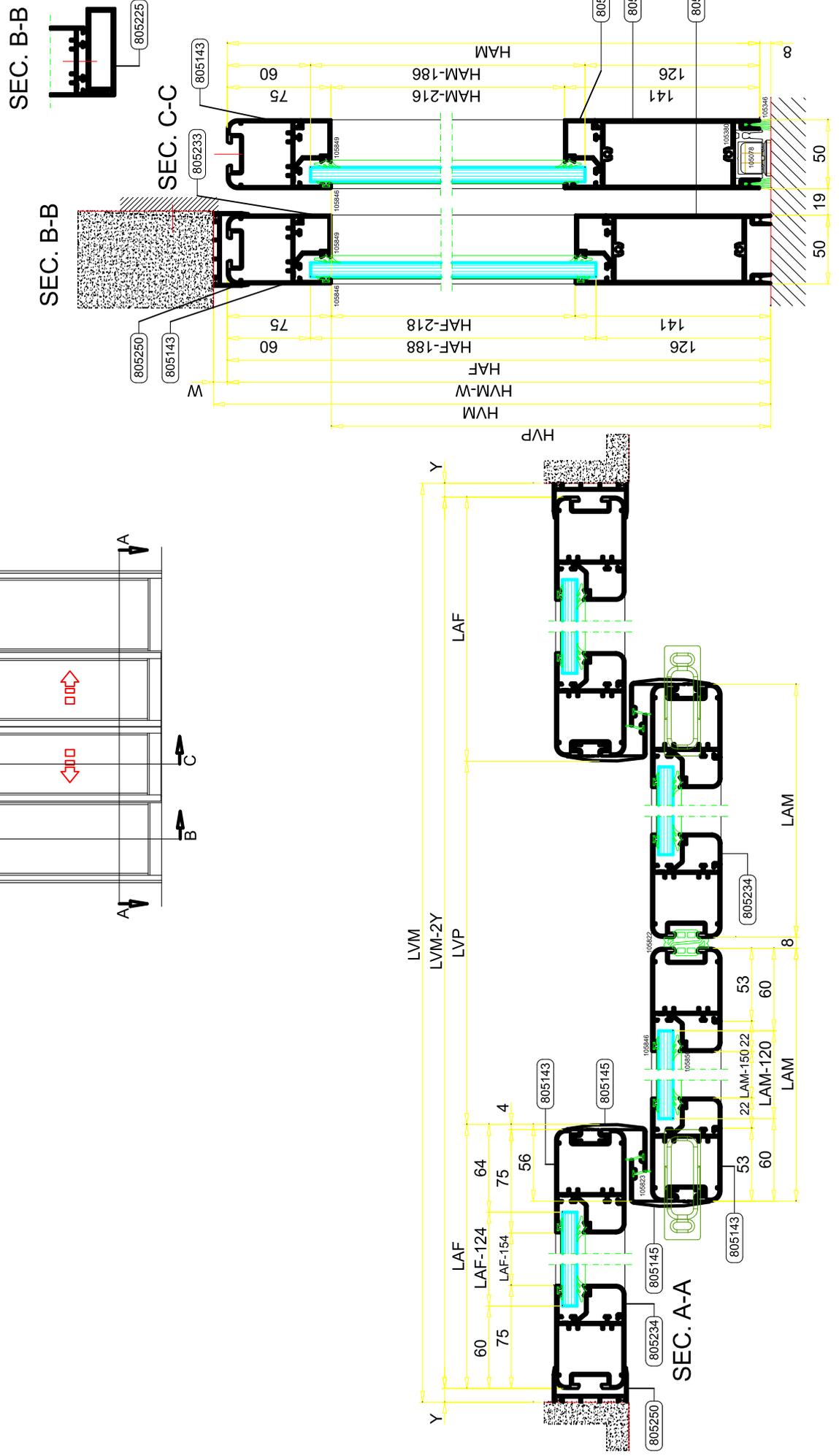
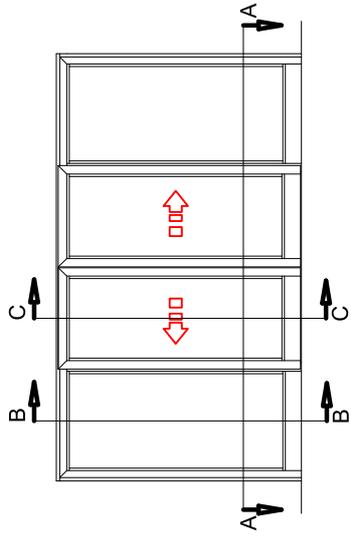
OVER GAP LEAF

REF.	SECTION BAR	Nr. Pc.	CUT*
805247	RH/LH Upright	2	
805247	Upper cross beam	1	
805249	Lower cross beam	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105851	Profile coupling seal	2	HVS+100
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 23

LVP = (LVM-270-2X-2Y)/2
HVP = HVM-75-W

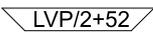
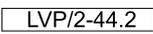


ref. draw. nr. 56

REPLACES TABLE OF	DATE
SERIES TK50 A100 / A140	01/12/2011
2+2 NO APN	

glass thickness 10/11 mm.

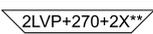
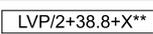
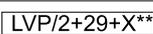
MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP+67
105822	Contact point seal	2	HVP+67
105346	Brush for base H=19 mm.	4	LPV/2+30
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

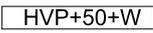
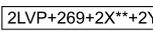
REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	2	

FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH External upright	1	
805143	RH External upright	1	
805143	Internal upright	2	
805143	Upper cross beam	1	
805141	Lower base	1	
805145	Labyrinth profile	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

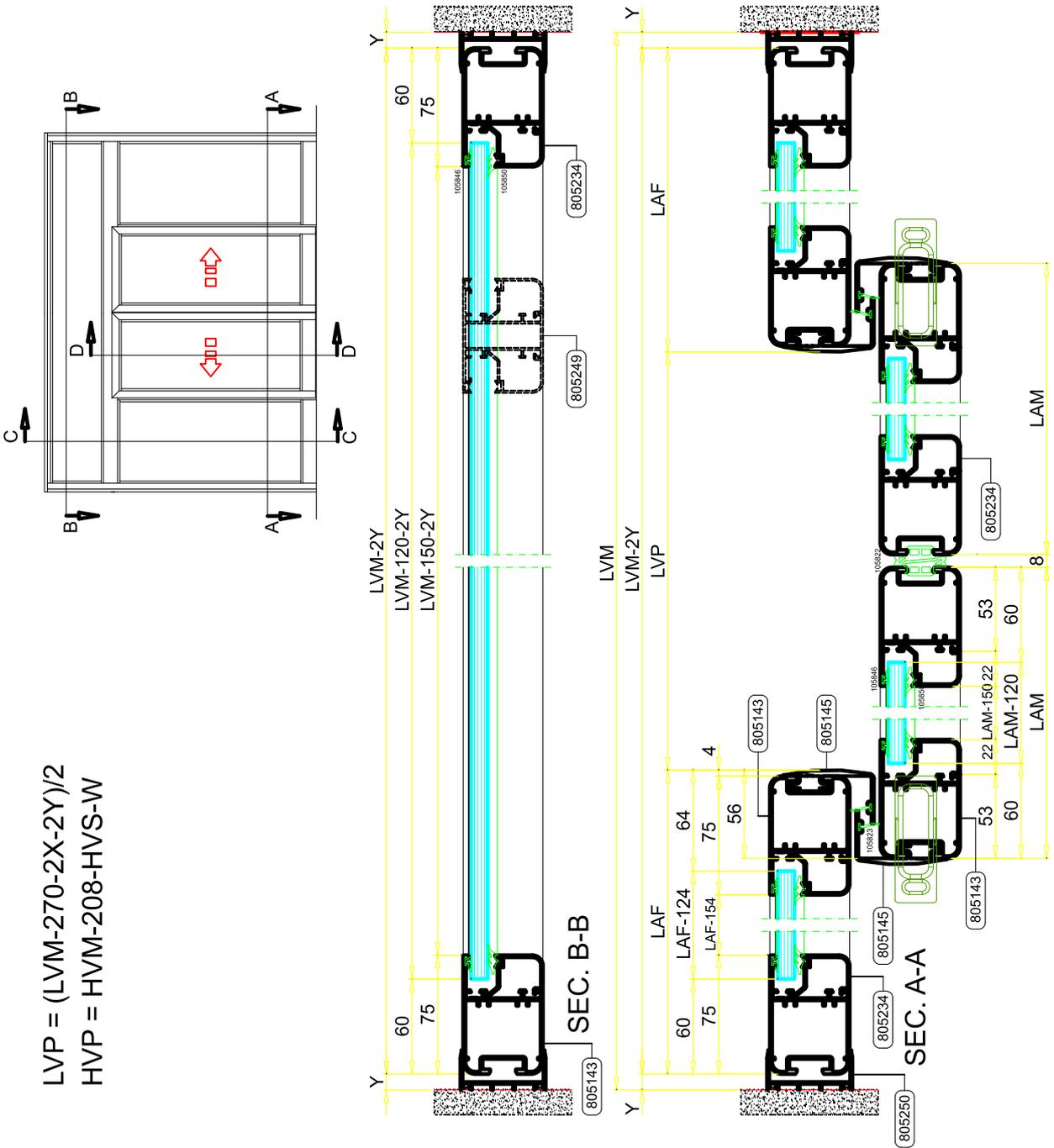
FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805225	Closing tubing on passage width	1	
805129	Profile for vertical compensation	2	
805129	Profile for horizontal compensation	1	

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 56



LVP = (LVM-270-2X-2Y)/2
 HVP = HVM-208-HVS-W



ref. draw. nr. 57

glass thickness 10/11 mm.

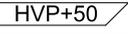
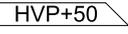
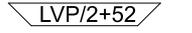
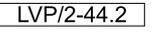
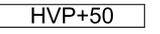
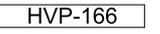
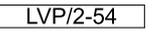
SERIES TK50 A100 / A140 2+2 NO APN

REPLACES TABLE OF

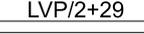
DATE

01/12/2011

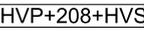
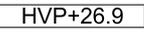
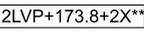
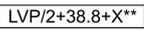
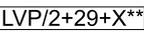
MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP+50
105822	Contact point seal	2	HVP+50
105346	Brush for base H=19 mm.	4	LPV/2+30
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

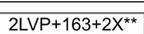
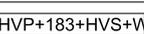
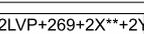
REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	2	

FIXED LEAVES

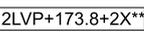
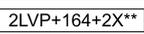
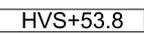
REF.	SECTION BAR	Nr. Pc.	CUT
805143	External upright	2	
805143	Internal upright	2	
805245	Upper band	1	
805141	Lower base	1	
805145	Labyrinth profile	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805225	Closing tubing on passage width	1	
105845	Reinforcement tubing	1	
805250	Profile for vertical compensation	2	
805250	Profile for horizontal compensation	1	

OVER GAP LEAF

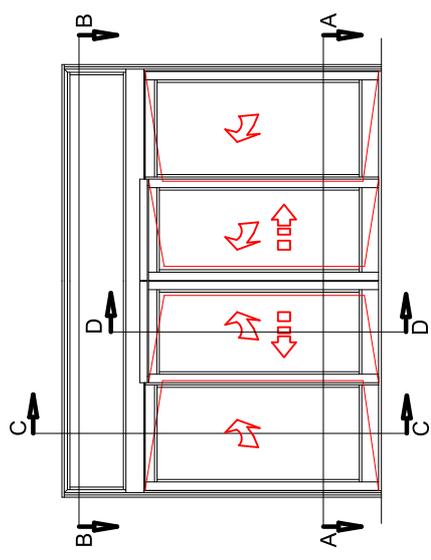
REF.	SECTION BAR	Nr. Pc.	CUT
805247	Upper cross beam	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	
805249	Intermediate upright (optional)		

REF.	SEAL	Nr. Pc.	CUT
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 57



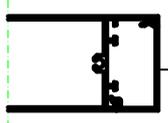
LVP = (LVM-365-2X-2Y)/2
HVP = HVM-208-HVS-W



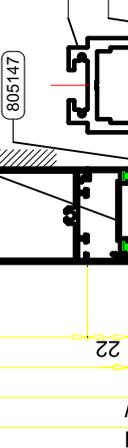
SEC. C-C



SEC. C-C

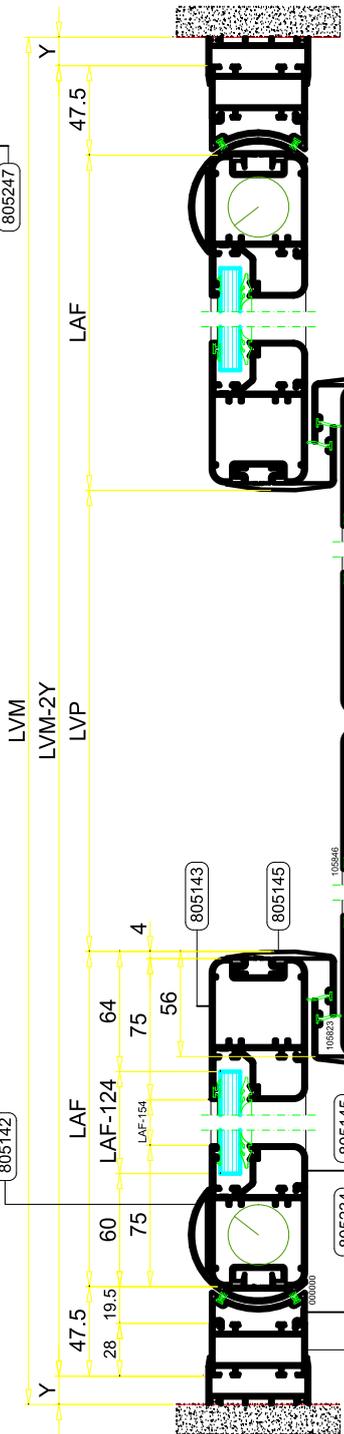


SEC. D-D



SEC. B-B

SEC. B-B



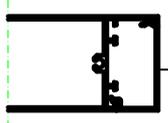
SEC. A-A



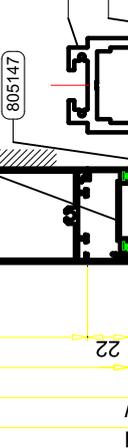
SEC. C-C



SEC. C-C

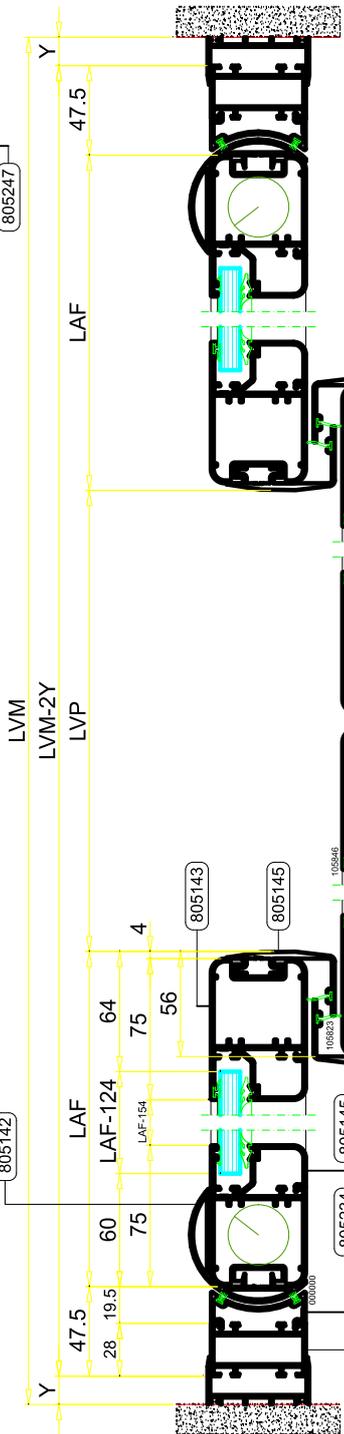


SEC. D-D



SEC. B-B

SEC. B-B



SEC. A-A



ref. draw. nr. 63

glass thickness 10/11 mm.

REPLACES TABLE OF	DATE
2+2 NO APN	01/12/2011
SERIES TK50 A100 / A140	

MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	4	HVP-47
805147	Upper cross beam	2	LVP/2-44.2
805141	Lower base	2	LVP/2-44.2
805145	Labyrinth profile	2	HVP-47
805234	Roll-up glass restrainer mm. 30	4	HVP-256.6
805233	Straight glass restrainer mm. 31	4	LVP/2-54

805144	Profile for fitting of antipanic leaf	2	LVP/2+52
7221695	Floor sliding rail	2	LVP/2+56

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP-47
105822	Contact seal	2	HVP-47
105345	Brush for base H=25 mm.	4	LPV/2+30
105856	Brush for upper cross beam H=11 mm.	4	LPV/2+52
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

SEMI-FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	RH/LH Upright	4	HVP-18
805147	Upper cross beam	2	LVP/2+35.3+X**
805141	Lower base	2	LVP/2+35.3+X**
805145	Labyrinth profile	2	HVP-18
805142	Half circle profile	2	HVP-18
805234	Roll-up glass restrainer mm. 30	4	HVP-227.6
805233	Straight glass restrainer mm. 31	4	LVP/2+25.5+X**

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP-18
105345	Brush for base H=25 mm.	4	LPV/2+109.5+X**
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805247	RH/LH Upright	2	HVP+208+HVS
805245	Upper band	1	2LVP+318.8+2X**
105848	Door-felt covering profile	2	HVP+22
805251	Brush carrier profile	2	LVP+64.5+X**
805252	Closing tubing on passage width	1	LVP+21
105845	Reinforcement tubing	1	2LVP+309+2X**
805250	Profile for vertical compensation	2	HVP+183+HVS+W
805250	Profile for horizontal compensation	1	2LVP+364+2X**+2Y

REF.	SEAL	Nr. Pc.	CUT
105856	Brush for upper cross beam H=11 mm.	2	LVP+64.5+X**
105856	Brush for upper cross beam H=11 mm.	2	LVP-15.5+X**
105856	Brush for door-felt profile	4	HVP+22

OVER GAP LEAF

REF.	SECTION BAR	Nr. Pc.	CUT
805247	LH Upright	1	<small>UNOP</small> <small>AOI</small> HVS+76.9
805247	RH Upright	1	<small>UNOP</small> <small>AOI</small> HVS+76.9
805247	Upper cross beam	1	2LVP+308+2X**
805234	Roll-up glass restrainer mm. 30	2	HVS
805233	Straight glass restrainer mm. 31	2	2LVP+252+2X**
805249	Intermediate upright (optional)		HVS+53.8

REF.	SEAL	Nr. Pc.	CUT
105851	Profile connecting seal	4	HVS+72
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 63

LVP = 2(LVM-157-X-Y)/3
 HVP = HVM-319-HVS-W



glass thickness 10/11 mm.

ref. draw. nr. 74

SERIES TK50 940 SMT

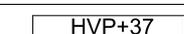
2+1

REPLACES TABLE OF

DATE

01/12/2011

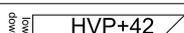
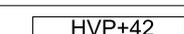
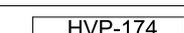
FAST MOBILE LEAF

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	1	
805143	RH Upright	1	
805143	Upper cross beam	1	
805141	Lower base	1	
805145	Labyrinth profile	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	1	HVP+37
105822	Contact point seal	1	HVP+37
105345	Brush for base H=25 mm.	2	LVP/2+28
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	1	

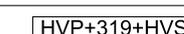
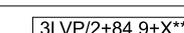
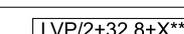
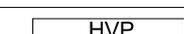
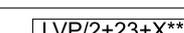
SLOW MOBILE LEAF

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	1	
805143	RH Upright	1	
805143	Upper cross beam	1	
805141	Lower base	1	
805145	Labyrinth profile	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	1	HVP+42
105822	Contact point seal	1	HVP+42
105346	Brush for base H=19 mm.	2	LVP/2+28
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

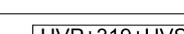
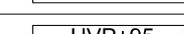
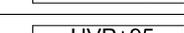
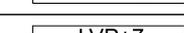
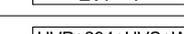
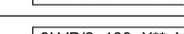
REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	1	

FIXED LEAF

REF.	SECTION BAR	Nr. Pc.	CUT
805143	LH Upright	1	
805143	RH Upright	1	
805147	Upper cross beam	1	
805141	Lower base	1	
805145	Labyrinth profile	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805226	Support tubing	1	
805228	Compensation tubing	1	
805227	Contact tubing	1	
805227	Closing tubing on passage width	1	
805250	Profile for vertical compensation	1	
805250	Profile for horizontal compensation	1	

REF.	SEAL	Nr. Pc.	CUT
105822	Contact point seal	1	HVP+70

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 74

OVER GAP LEAF

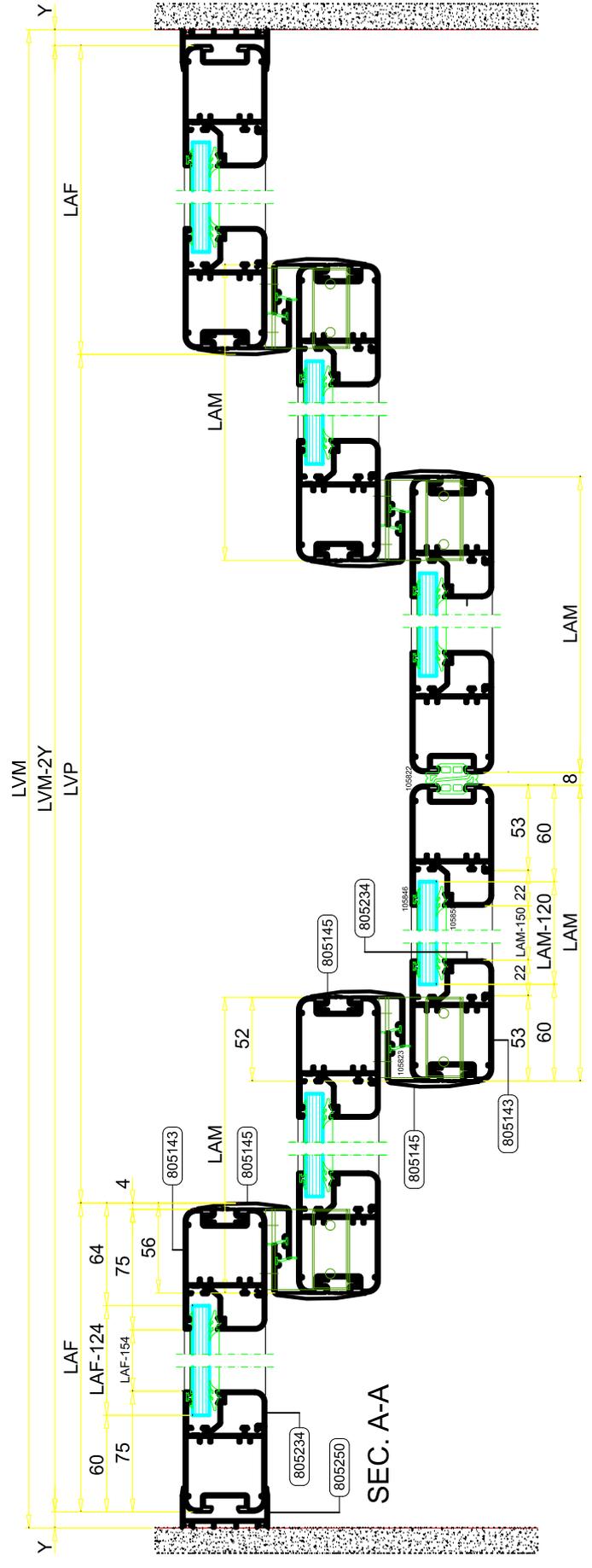
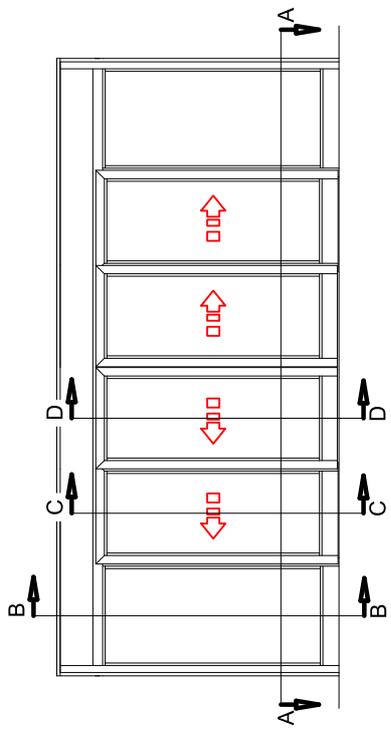
REF.	SECTION BAR	Nr. Pc.	CUT*
805248	RH Upright	1	$HVS+76.9$
805248	Upper cross beam	1	$3LVP/2+84.9+X^{**}$
805246	Double lower band	1	$3LVP/2+84.9+X^{**}$
805234	Roll-up glass restrainer mm. 30	2	HVS
805233	Straight glass restrainer mm. 31	2	$3LVP/2+52+X^{**}$
805249	Intermediate upright (optional)		$HVS+53.8$

REF.	SEAL	Nr. Pc.	CUT
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 74



LVP = 2(LVM-270-2X-2Y)/3
HVP = HVM-247-W



SEC. A-A

ref. draw. nr. 77

glass thickness 10/11 mm.

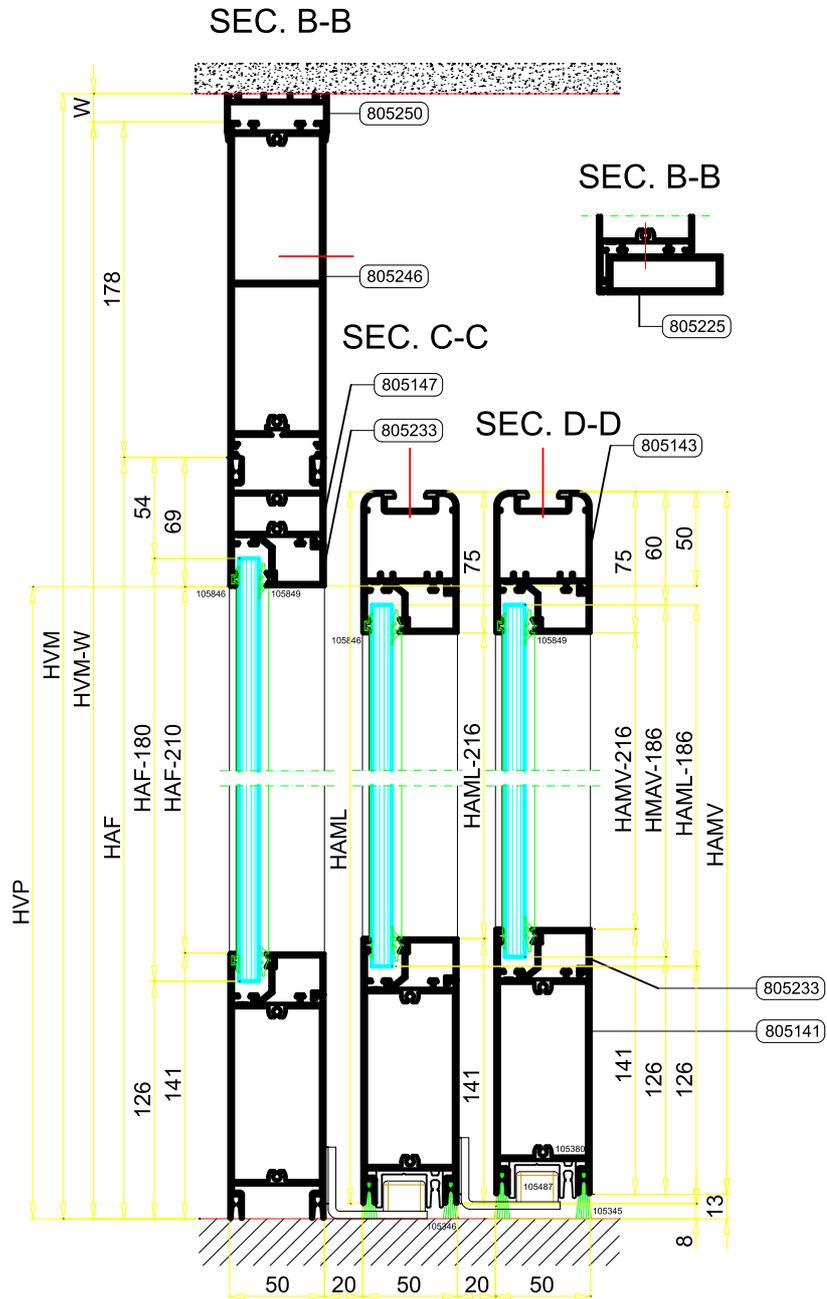
SERIES TK50 940 SMT

4+2

REPLACES TABLE OF

DATE

01/12/2011



ref. draw. nr. 77

glass thickness 10/11 mm.

SERIES TK50 940 SMT

4+2

REPLACES TABLE OF

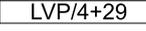
DATE

01/12/2011

FAST MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

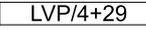
REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP+37
105822	Contact point seal	2	HVP+37
105345	Brush for base H=25 mm.	4	LVP/4+30
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	2	

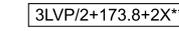
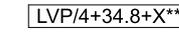
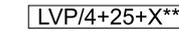
SLOW MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805145	Labyrinth profile	4	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	4	HVP+42
105346	Brush for base H=19 mm.	4	LVP/4+30
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

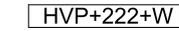
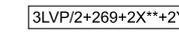
REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	2	

FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	Montante esterno	2	
805143	Montante interno	2	
805147	Upper cross beam	1	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

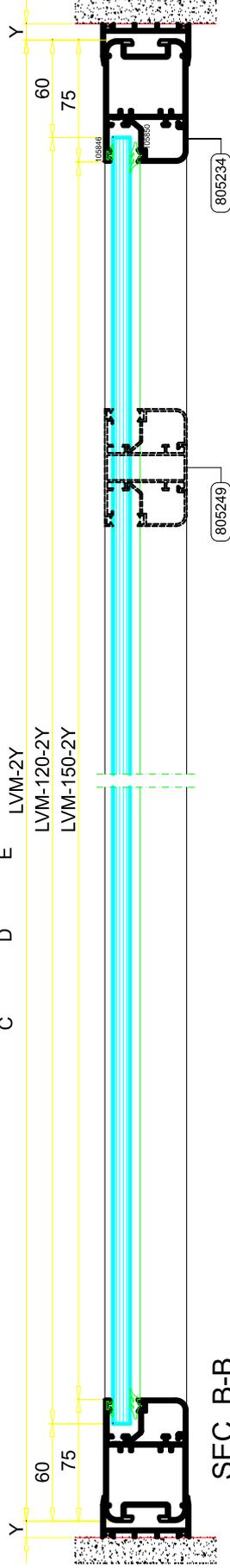
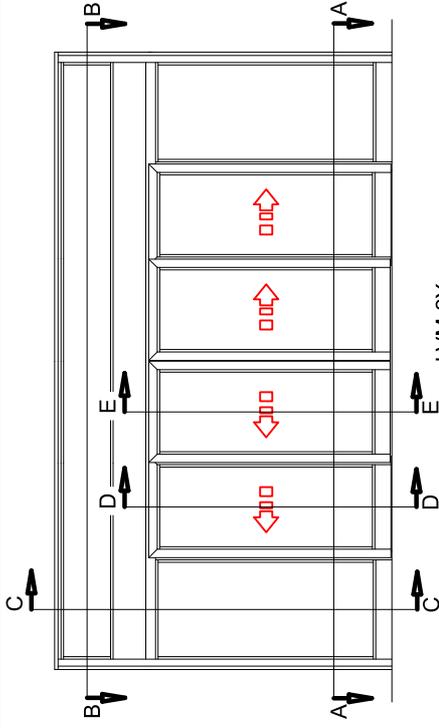
REF.	SEAL	Nr. Pc.	CUT
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

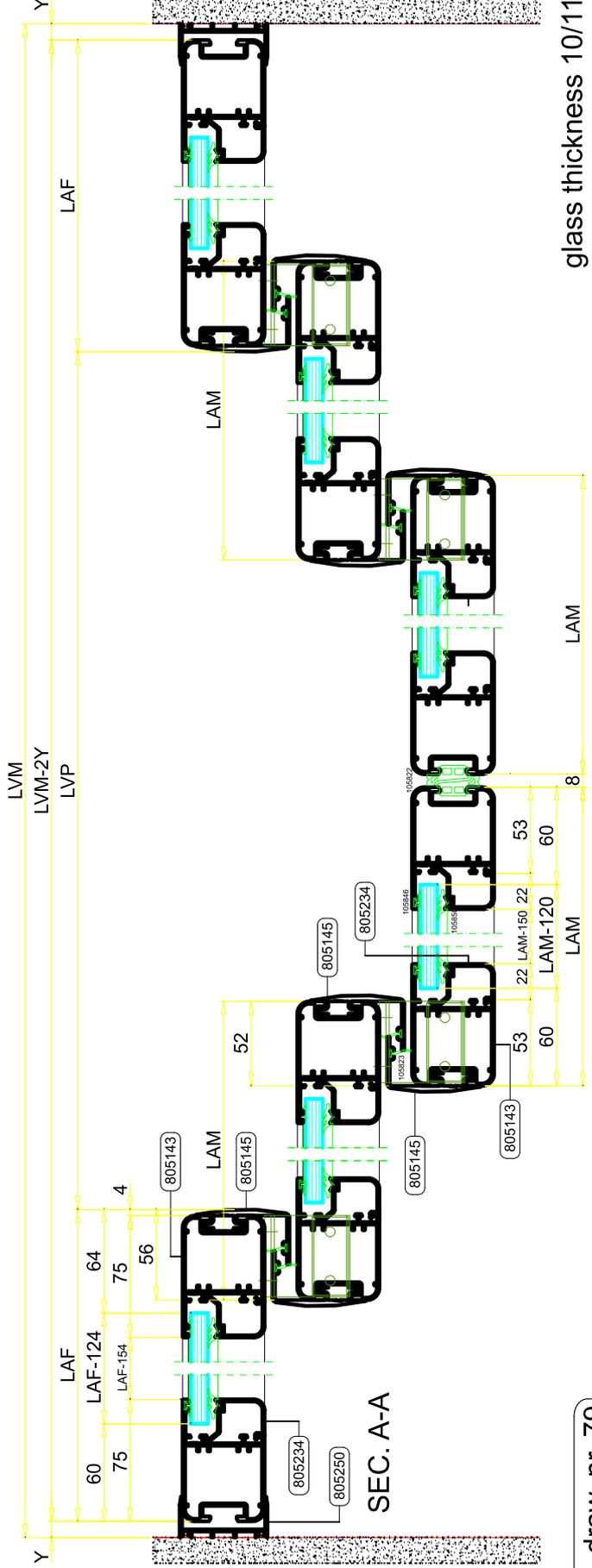
REF.	SECTION BAR	Nr. Pc.	CUT
805225	Closing tubing on passage width	1	
805250	Profile for vertical compensation	2	
805250	Profile for horizontal compensation	1	

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 77

LVP = 2(LVM-270-2X-2Y)/3
HVP = HVM-319-HVS-W



SEC. B-B



SEC. A-A

glass thickness 10/11 mm.

ref. draw. nr. 79

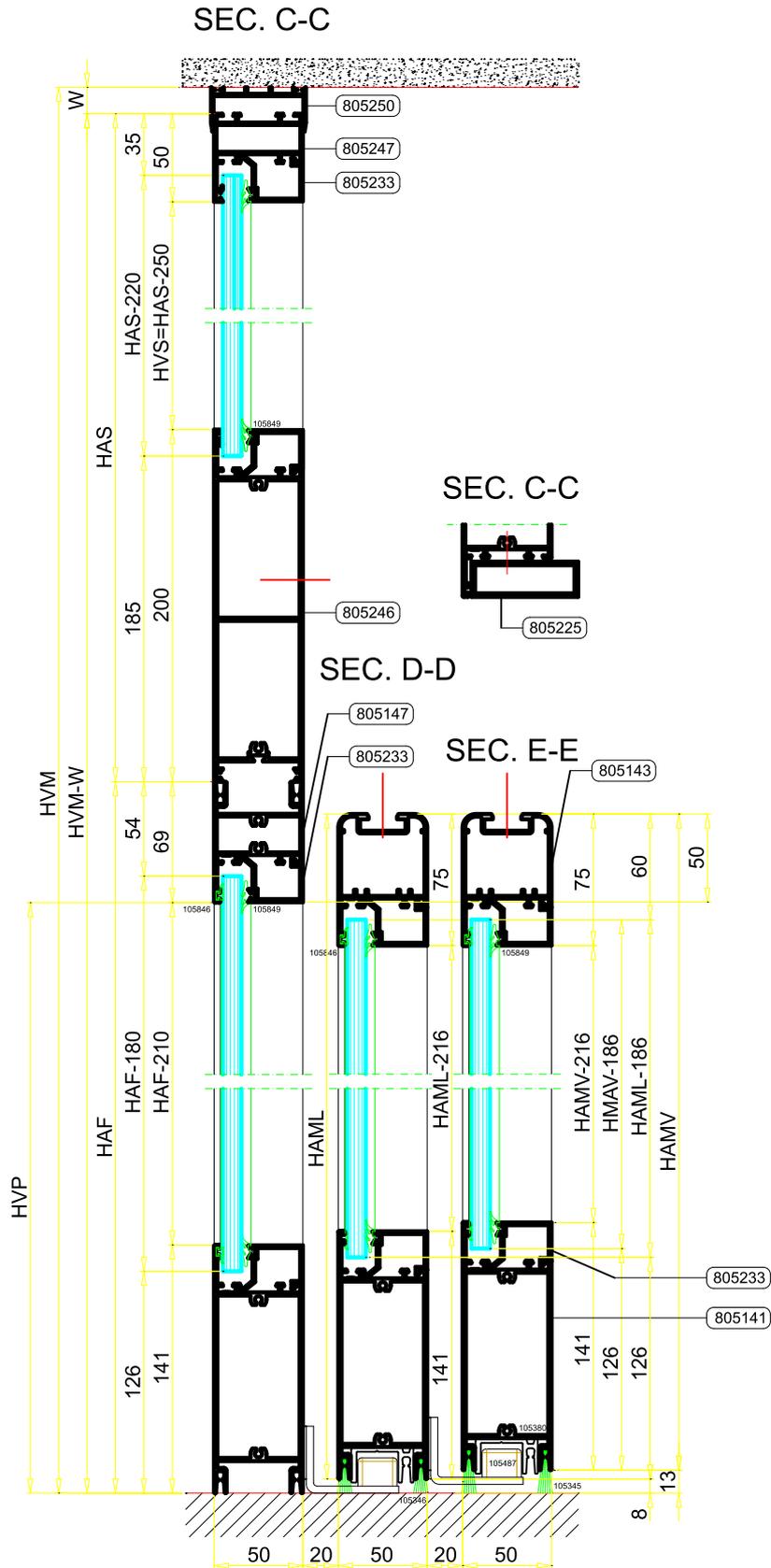
SERIES TK50 940 SMT

4+2

REPLACES TABLE OF

DATE

01/12/2011

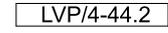


ref. draw. nr. 79

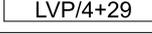
glass thickness 10/11 mm.

SERIES TK50 940 SMT	4+2	REPLACES TABLE OF	DATE 01/12/2011
---------------------	-----	-------------------	-----------------

FAST MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	2	HVP+37
105822	Contact point seal	2	HVP+37
105345	Brush for base H=25 mm.	4	LVP/4+30
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	2	

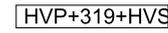
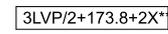
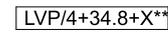
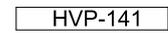
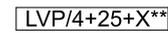
SLOW MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805145	Labyrinth profile	4	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
105823	Wing seal	4	HVP+42
105346	Brush for base H=19 mm.	4	LVP/4+30
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

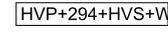
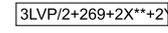
REF.	ACCESSORY	Nr. Pc.	CUT
105380	Lower guide profile	2	

FIXED LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT
805143	External upright	2	
805143	Internal upright	2	
805147	Upper cross beam	1	
805141	Lower base	2	
805145	Labyrinth profile	2	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805225	Closing tubing on passage width	1	
805250	Profile for vertical compensation	2	
805250	Profile for horizontal compensation	1	

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 79

OVER GAP LEAF

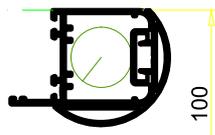
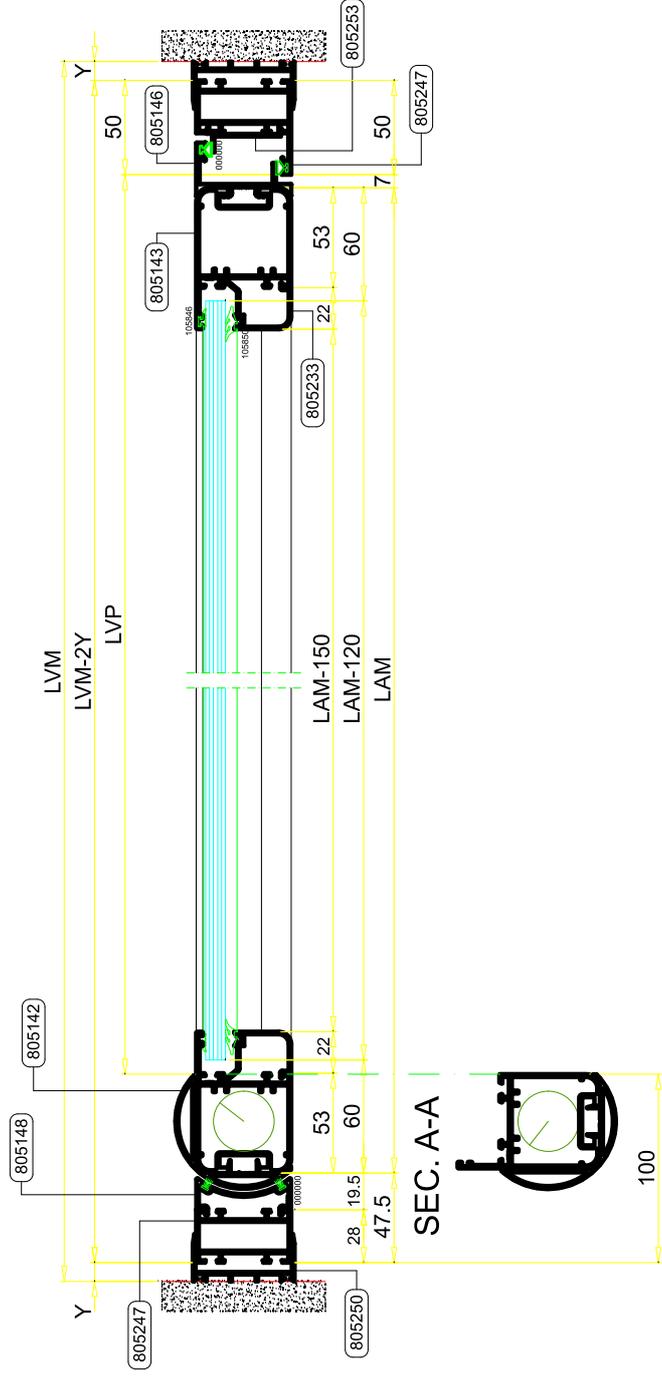
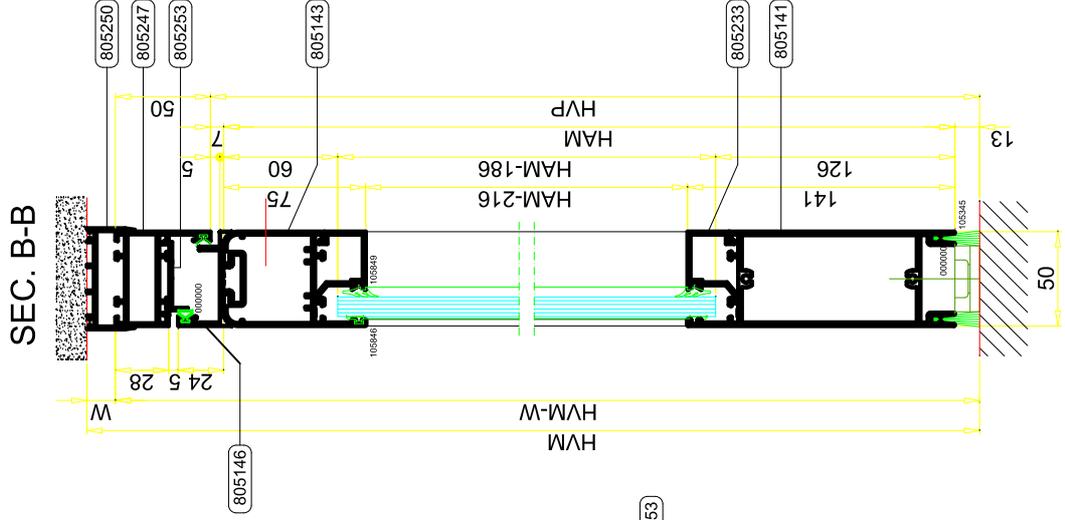
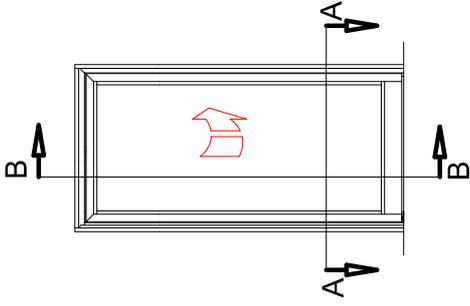
REF.	SECTION BAR	Nr. Pc.	CUT
805247	Upper cross beam	1	3LVP/2+173.8+2X†
805246	Double lower band	1	3LVP/2+173.8+2X†
805234	Roll-up glass restrainer mm. 30	2	HVS
805233	Straight glass restrainer mm. 31	2	3LVP/2+164+2X**
805249	Intermediate upright (optional)		HVS+53.8

REF.	SEAL	Nr. Pc.	CUT
105846	Ext. seal for glass 5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side

** Safety distance X - see drawing series TK50 nr. 79

LVP = LVM-150-2Y
 HVP = HVM-50-W

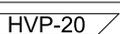
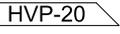
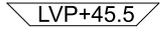
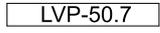
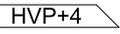


ref. draw. nr. 84

SERIES TK50 950 BM/BSM	1A PUSH ARM	REPLACES TABLE OF	DATE
			01/12/2011

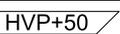
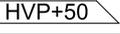
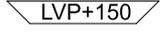
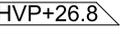
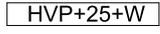
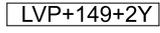
glass thickness 10/11 mm.

MOBILE LEAF

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	1	
805143	RH Upright	1	
805143	Upper cross beam	1	
805141	Lower base	1	
805142	Half circle profile	1	
805146	Contact point profile	1	
805146	Contact point profile	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
	Contact point seal	1	HVP+4
	Contact point seal	1	LVP+62.5
105345	Brush for base H=25 mm.	2	LPV+23.5
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

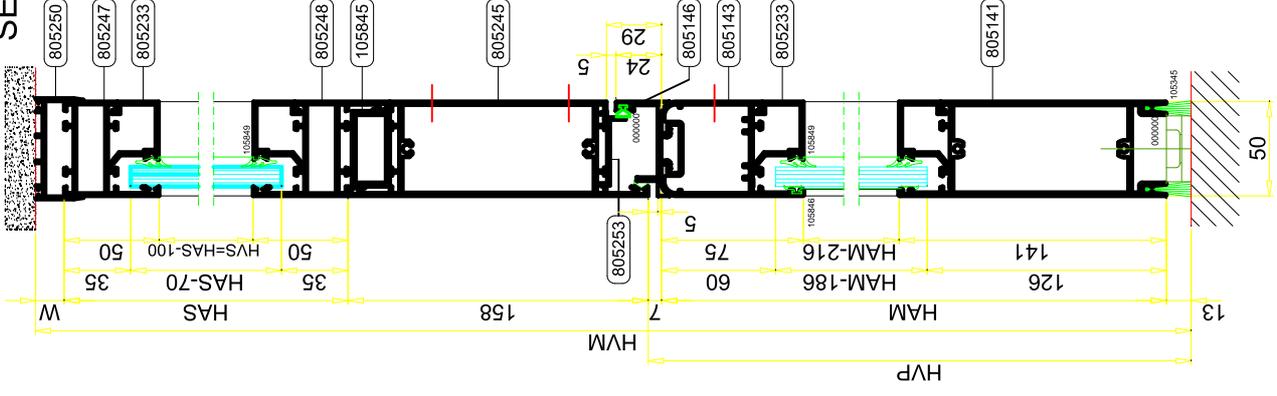
FRAME

REF.	SECTION BAR	Nr. Pc.	CUT*
805247	LH Upright	1	
805247	RH Upright	1	
805247	Cross beam	1	
805148	Door-felt covering profile	1	
805253	Contact point profile	1	
805253	Contact point profile	1	
805250	Profile for vertical compensation	2	
805250	Profile for horizontal compensation	1	

REF.	SEAL	Nr. Pc.	CUT
	Contact point seal	1	HVP+7.5
	Contact point seal	1	LVP+62.5
	Felt for door-felt profile	2	HVP+22

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 84

SEC. C-C



glass thickness 10/11 mm.

DATE 01/12/2011

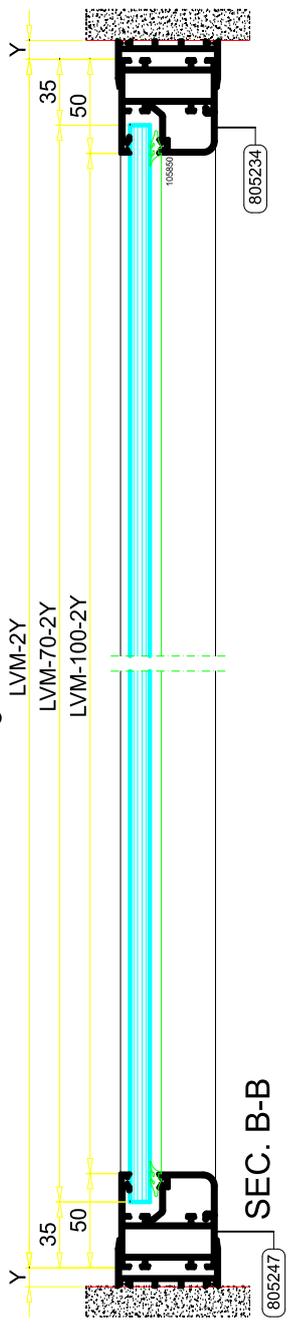
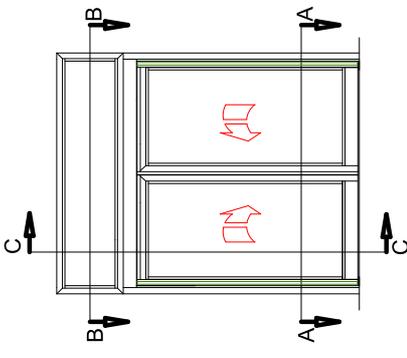
REPLACES TABLE OF

2A PULL ARM

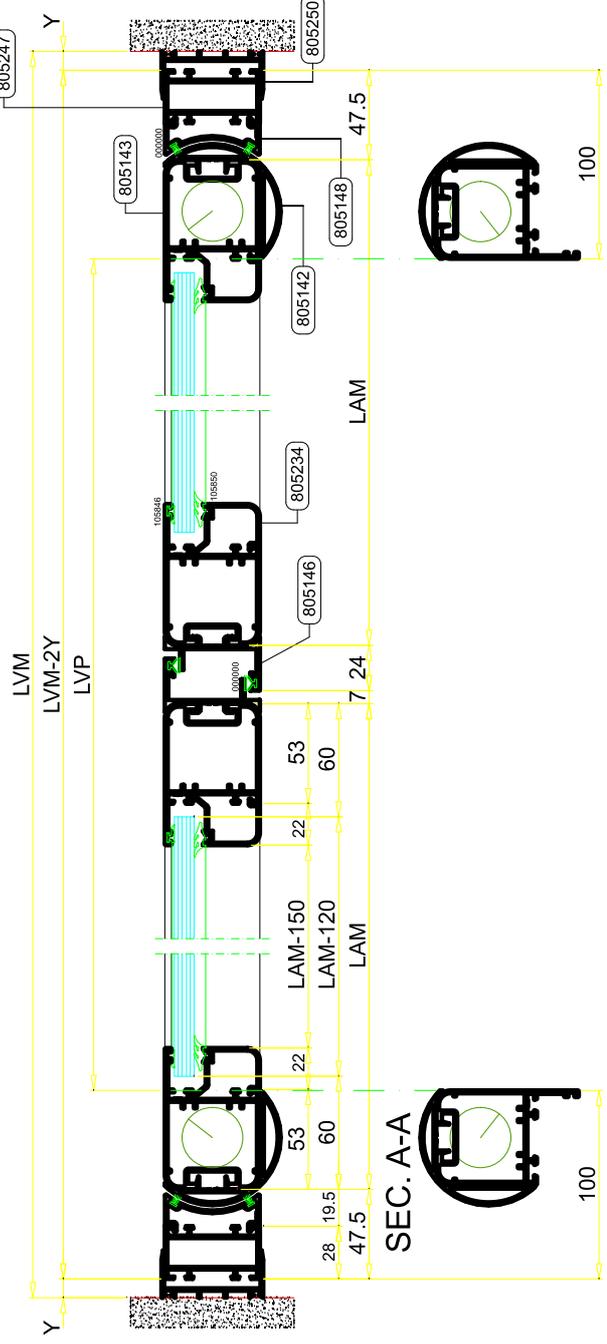
SERIES TK50 950 BM/BSM

ref. draw. nr. 88

LVP = LVM-200-2Y
HVP = HVM-258-HVS-W

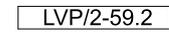
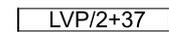


SEC. B-B



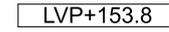
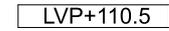
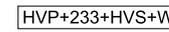
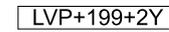
SEC. A-A

MOBILE LEAVES

REF.	SECTION BAR	Nr. Pc.	CUT*
805143	LH Upright	2	
805143	RH Upright	2	
805143	Upper cross beam	2	
805141	Lower base	2	
805142	Half circle profile	2	
805146	Contact point profile - RH leaf	1	
805146	Contact point profile - RH leaf	1	
805146	Contact point profile - LH leaf	1	
805146	Contact point profile - LH leaf	1	
805234	Roll-up glass restrainer mm. 30	4	
805233	Straight glass restrainer mm. 31	4	

REF.	SEAL	Nr. Pc.	CUT
	Contact point seal	1	HVP+4
	Contact point seal	1	HVP-18
	Contact point seal	1	LVP/2+61
	Contact point seal	1	LVP/2+37
105345	Brush for base H=25 mm.	4	LPV/2+15
105846	Ext. seal for glass 1,5 mm.		
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

FRAME

REF.	SECTION BAR	Nr. Pc.	CUT
805247	Upright	2	
805245	Upper band	1	
105845	Reinforcement tubing	1	
805148	Door-felt covering profile	2	
805253	Contact point profile	1	
805250	Profile for vertical compensation	2	
805250	Profile for horizontal compensation	1	

REF.	SEAL	Nr. Pc.	CUT
000000	Contact point seal	1	LVP+110.5
000000	Brush for door-felt profile	4	HVP+22

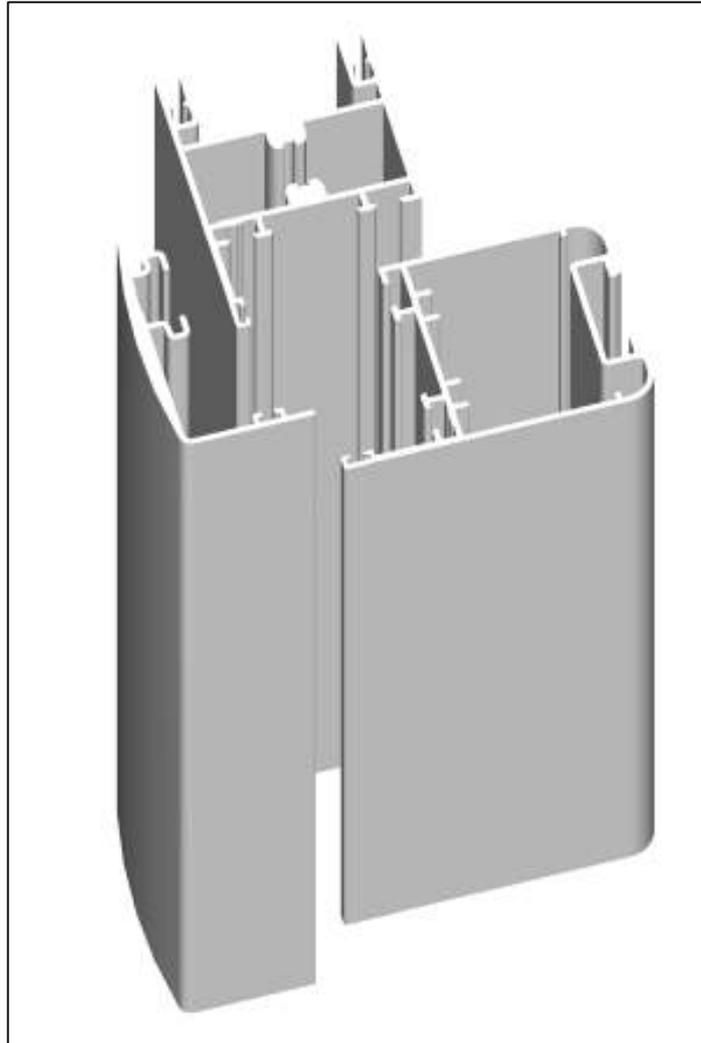
OVER GAP LEAF

REF.	SECTION BAR	Nr. Pc.	CUT*
805247	RH/LH Upright	2	
805247	Upper cross beam	1	
805248	Lower cross beam	1	
805234	Roll-up glass restrainer mm. 30	2	
805233	Straight glass restrainer mm. 31	2	

REF.	SEAL	Nr. Pc.	CUT
105850	Int. seal for glass 5 mm.		
105849	Int. seal for glass 4 mm.		

NOTES : - Measurements at maximum point - external wing
 - LH/RH indication - internal view from automated system side
 * Cutting angle degree = 45° - internal view from automated system side
 ** Safety distance X - see drawing series TK50 nr. 10

SECTION BARS



- SUMMARY AND TECHNICAL DATA OF THE SECTION BARS
- DESCRIPTION, TECHNICAL DATA AND DRAWINGS OF THE SECTION BARS IN 1:1 SCALE

RAW ALUMINUM PROFILES

DRAWING	REF.	BAR L	DESCRIPTION	TAB.
	WEIGHT kg/m			
	805143	5.400	Leaf upright/cross beam profile	
	1,214			
	805147	6.500	Upper cross beam	
	1,256			
	805141	6.500	Base	
	2,082			
	805145	5.400	Labyrinth profile	
	0,701			
	805142	5.400	Half circle profile	
	0,822			
	805148	5.400	Door-felt covering profile	
	0,397			
	805146	5.400	Contact point profile	
	0,547			
	805140	5.200	Wall installation profile	
	0,572			
	7221695	1.500	Floor sliding rail	

	805144	6.500	Antipanic leaf fitting profile	
	2,478			
	805245	6.500	Band	
	2,157			
	805246	6.500	Double band	
	2,875			
	805247	6.500	"L" frame	
	0,929			
	805248	6.500	"Z" frame	
	1,064			
	805249	6.500	"T" frame	
	1,064			
	805250	6.500	Compensation profile	
	0,454			
	805251	6.500	Brush carrier profile	
	0,397			
	805252	6.500	Closing profile	
	0,319			
	805253	6.500	Contact point profile	
	0,227			

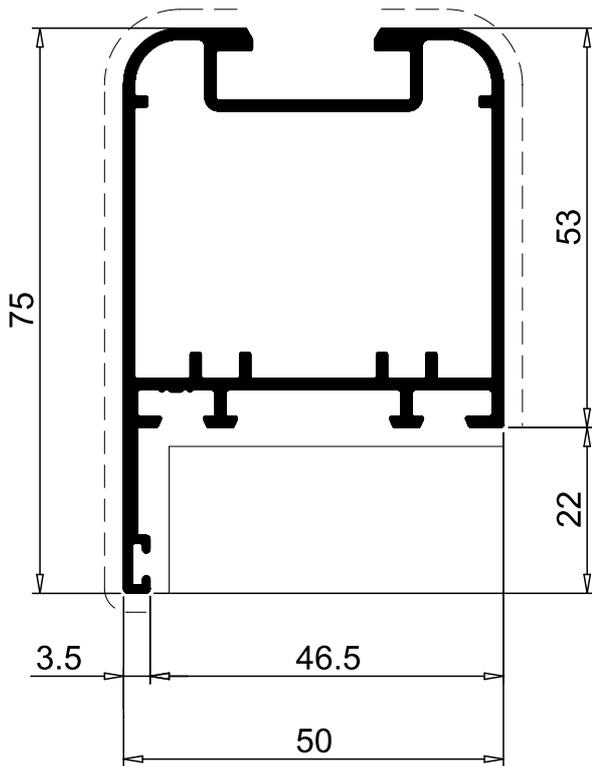
DRAWING	REF.	BAR L	DESCRIPTION	TAB.
	WEIGHT kg/m			
	805233	6.500	Straight glass restrainer mm. 31	
	0,330			
	805234	6.500	Roll-up glass restrainer mm. 30	
	0,312			
	805235	6.500	Straight glass restrainer mm. 19	
	0,320			
	805220	6.500	Roll-up glass restrainer mm. 19	
	0,303			
	805221	6.500	Straight glass restrainer mm. 15	
	0,315			
	805222	6.500	Roll-up glass restrainer mm. 14	
	0,293			
	805223	6.500	Straight glass restrainer mm. 11	
	0,305			
	105845	6.000	Reinforcement tubing in steel 40x20x2	
	1,760			
	805225	6.000	Closing tubing on passage width 60x20x2	
	0,820			
	805226	6.000	Support tubing 50x20x2	
	0,712			
	805227	6.000	Contact tubing 70x20x2 (only telescopic)	
	0,928			
	805228	6.000	Contact or compensation tubing (telescopic) 80x20x2	
	1,040			
	805229	6.000	Contact tubing 80x50x2	
	1,361			
	805230	6.000	Contact tubing 150x50x2 (only telescopic)	
	2,160			
	805231	5.000	Contact point angled element 50x25x2	
	0,394			
	805232	5.000	Contact point angled element 50x50x2	
	0,529			

SILVER ANODIZED PROFILES

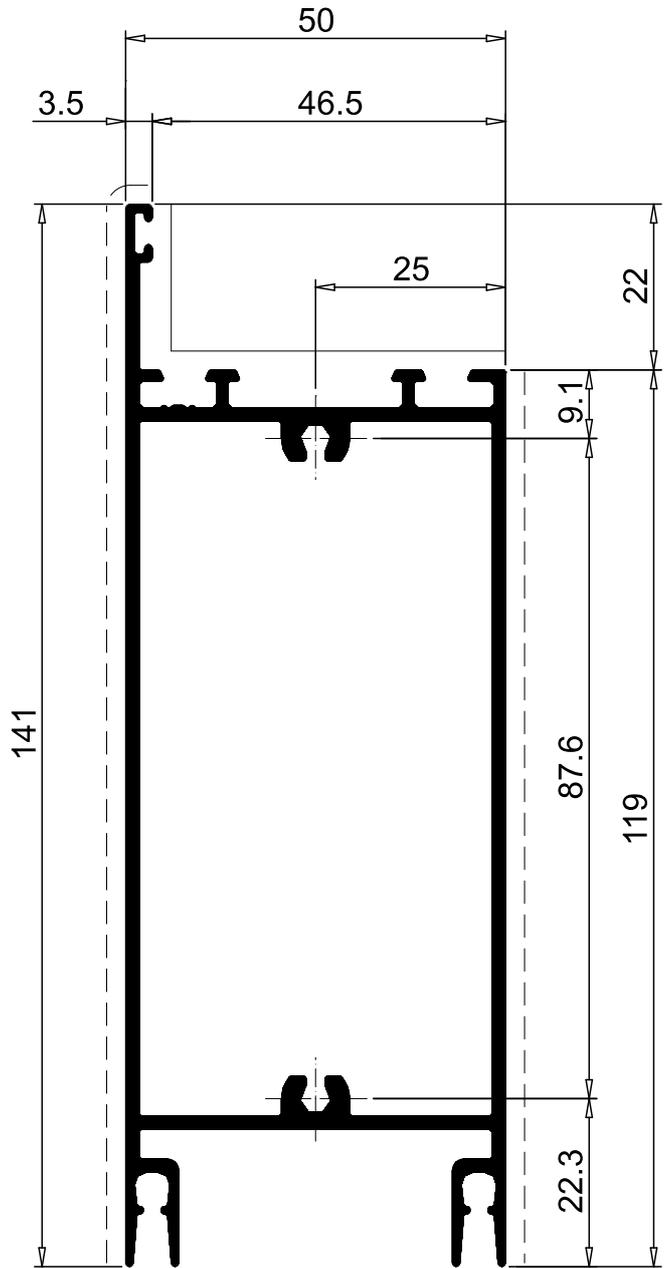
DRAWING	REF.	BAR L	DESCRIPTION	TAB.
	WEIGHT kg/m			
	805150	5.400	Leaf upright/cross beam profile	
	1,214			
	805151	6.500	Upper cross beam	
	1,256			
	805152	6.500	Base	
	2,082			
	805153	5.400	Labyrinth profile	
	0,701			
	805154	5.400	Half circle profile	
	0,822			
	805155	5.400	Door-felt covering profile	
	0,397			
	805156	5.400	Contact point profile	
	0,547			
	105804	5.200	Wall installation profile	
	0,572			
	7221695	1.500	Floor sliding rail	

	805157	6.500	Antipanic leaf fitting profile	
	2,478			
	805257	6.500	Band	
	2,157			
	805258	6.500	Double band	
	2,875			
	805259	6.500	"L" frame	
	0,929			
	805260	6.500	"Z" frame	
	1,064			
	805261	6.500	"T" frame	
	1,064			
	805262	6.500	Compensation profile	
	0,454			
	805263	6.500	Brush carrier profile	
	0,397			
	805264	6.500	Closing profile	
	0,319			
	805265	6.500	Contact point profile	
	0,227			

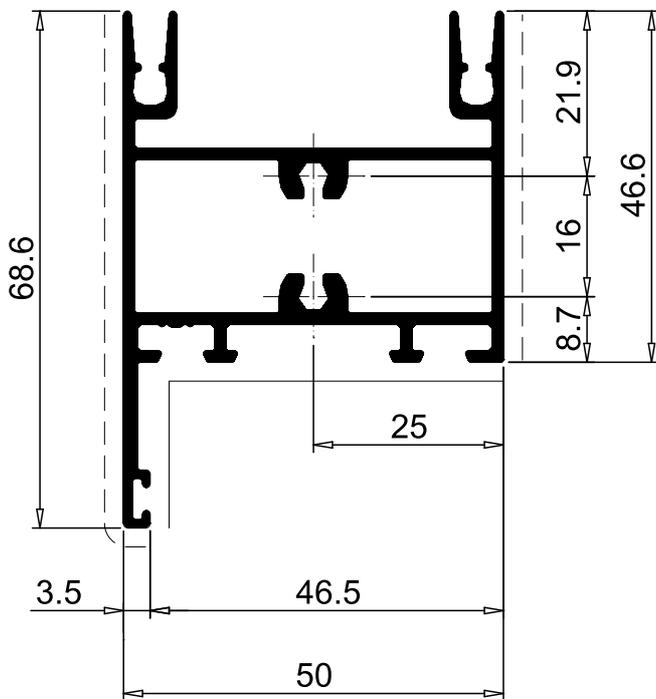
DRAWING	REF.	BAR L	DESCRIPTION	TAB.
	WEIGHT kg/m			
	805266	6.500	Straight glass restrainer mm. 31	
	0,330			
	805267	6.500	Roll-up glass restrainer mm. 30	
	0,312			
	805268	6.500	Straight glass restrainer mm. 19	
	0,320			
	805269	6.500	Roll-up glass restrainer mm. 19	
	0,303			
	805270	6.500	Straight glass restrainer mm. 15	
	0,315			
	805271	6.500	Roll-up glass restrainer mm. 14	
	0,293			
	805272	6.500	Straight glass restrainer mm. 11	
	0,305			
	105845	6.000	Reinforcement tubing in steel 40x20x2	
	1,760			
	805273	6.000	Closing tubing on passage width 60x20x2	
	0,820			
	805274	6.000	Support tubing 50x20x2	
	0,712			
	805275	6.000	Contact tubing 70x20x2 (only telescopic)	
	0,928			
	805276	6.000	Contact or compensation tubing (telescopic) 80x20x2	
	1,040			
	805277	6.000	Contact tubing 80x50x2	
	1,361			
	805278	6.000	Contact tubing 150x50x2 (only telescopic)	
	2,160			
	805279	5.000	Contact point angled element 50x25x2	
	0,394			
	805280	5.000	Contact point angled element 50x50x2	
	0,529			



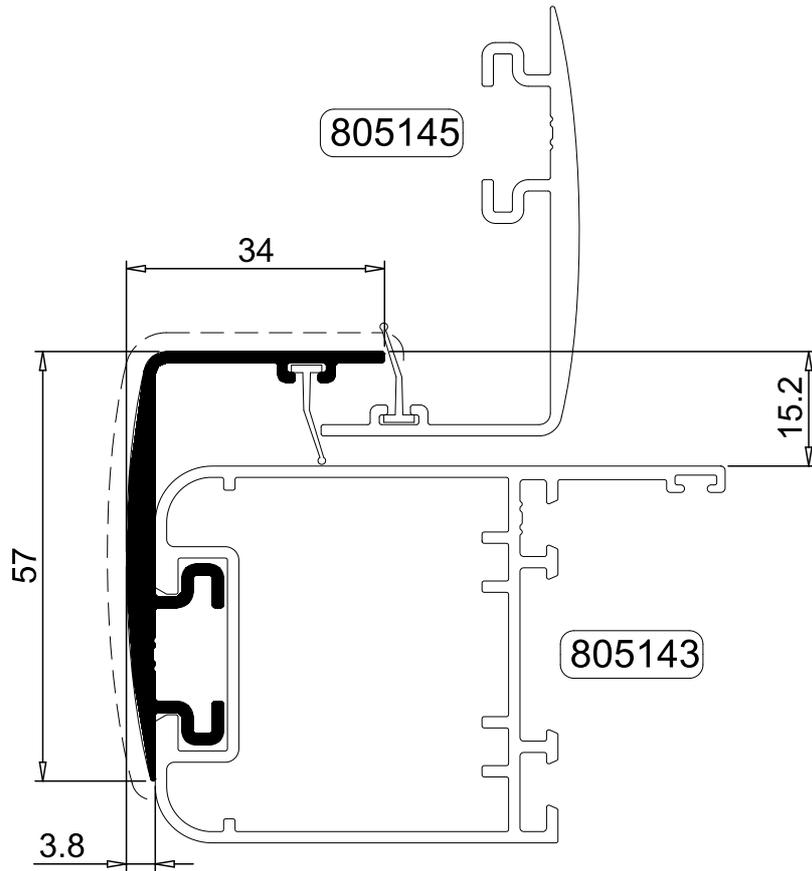
805143 1,214 kg/m
 ext. per. 341 mm
 - - - visible surface 0,165 m²/m
 — secondary surface



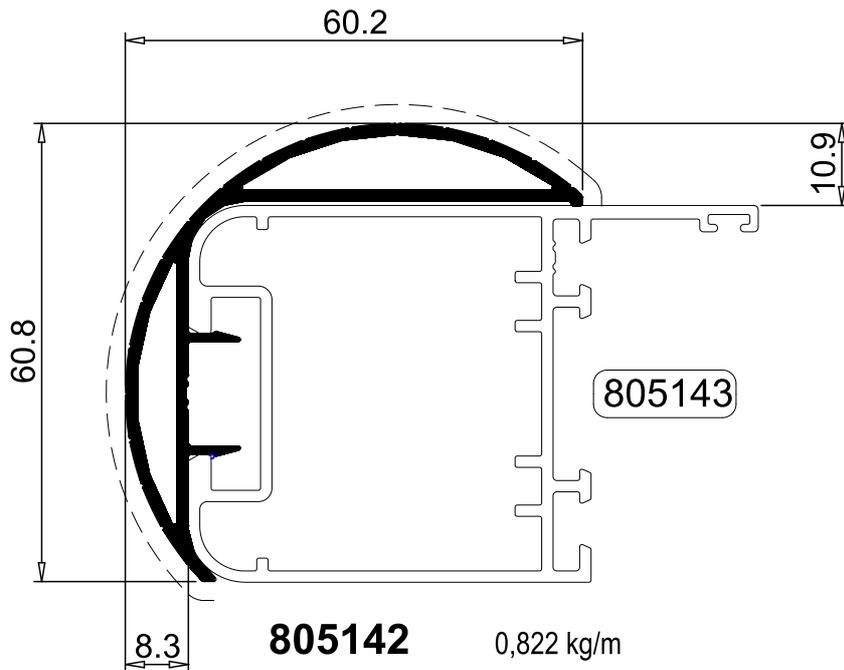
805141 2,082 kg/m
 ext. per. 548 mm
 - - - visible surface 0,264 m²/m
 — secondary surface



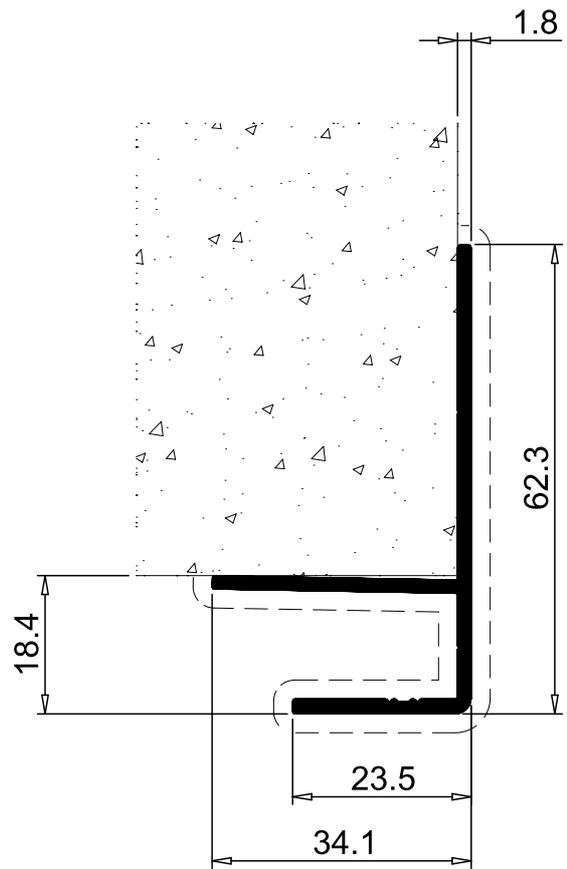
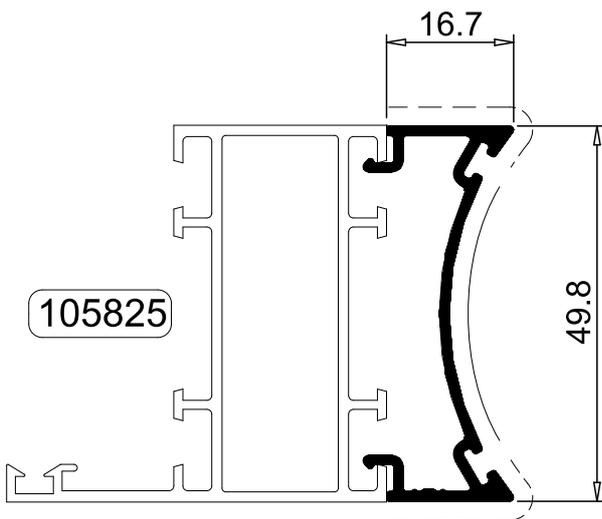
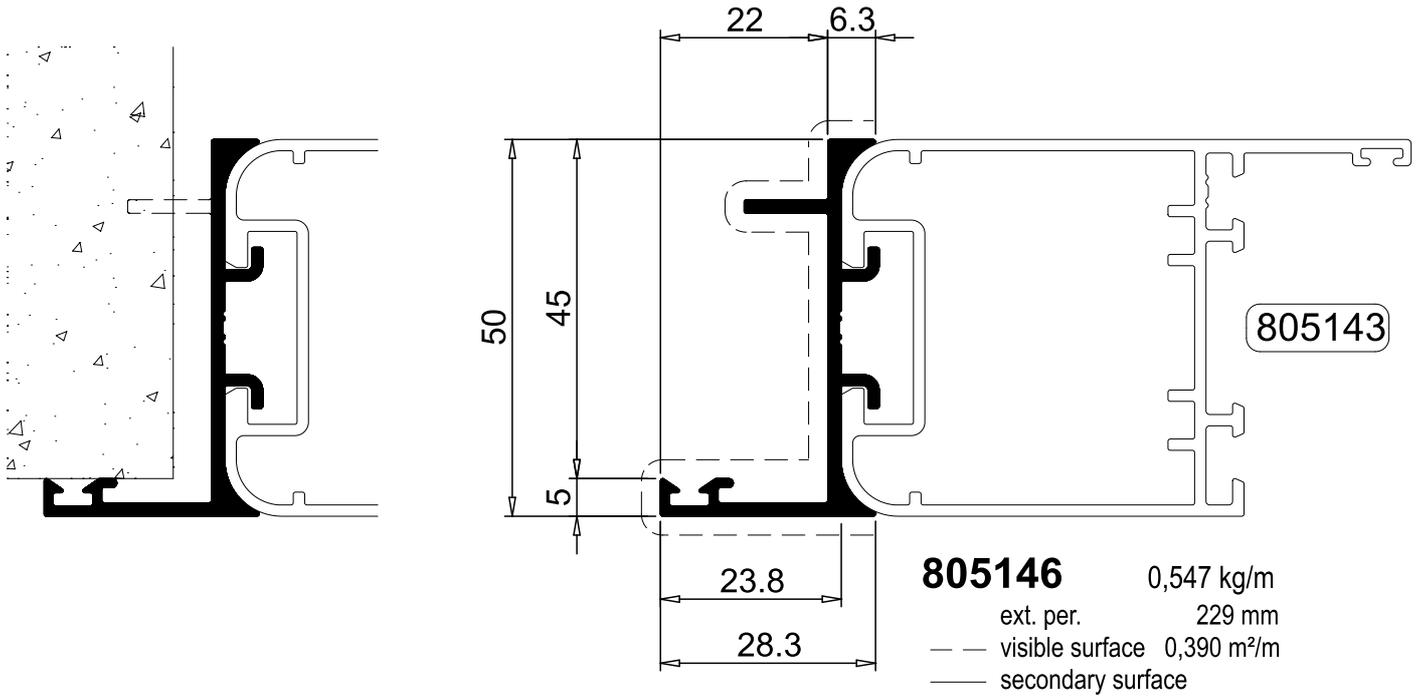
805147 1,256 kg/m
 ext. per. 405 mm
 - - - visible surface 0,111 m²/m
 — secondary surface

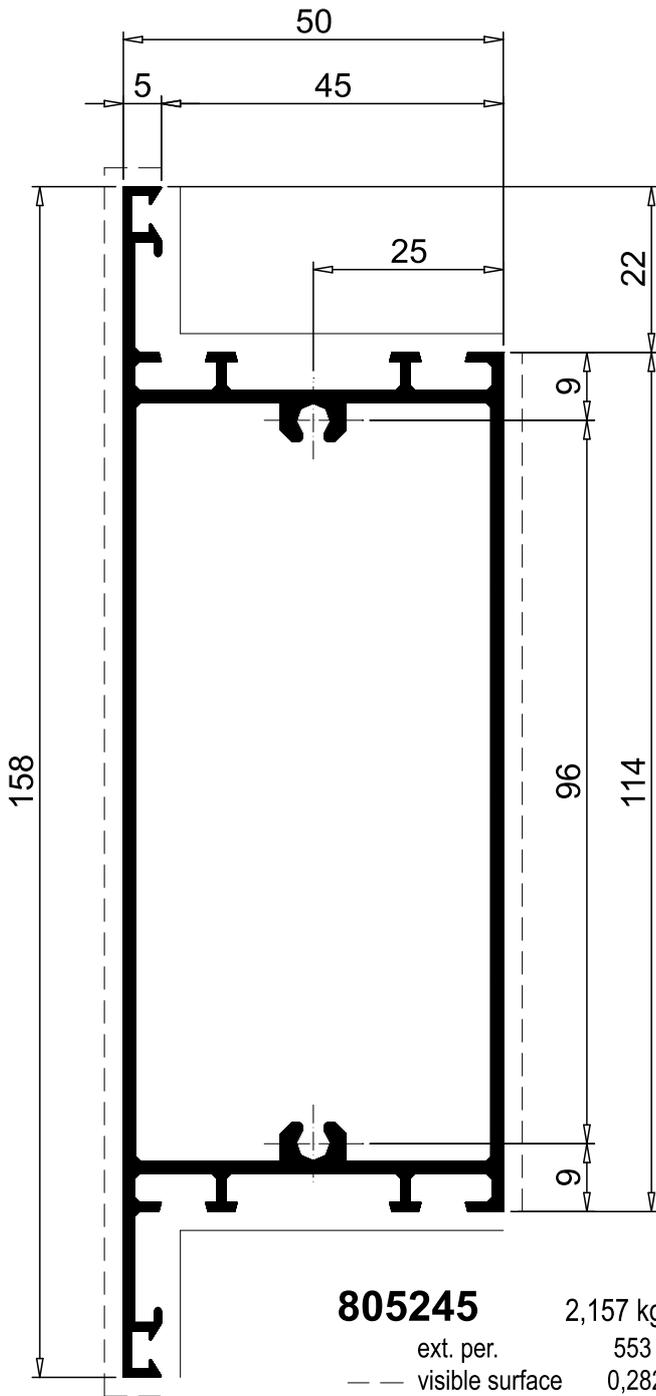


805145 0,701 kg/m
 ext. per. 251 mm
 - - - visible surface 0,092 m²/m
 — secondary surface

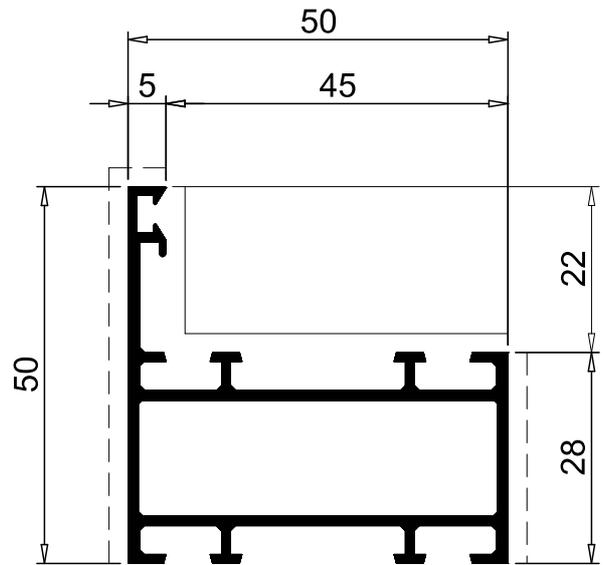


805142 0,822 kg/m
 ext. per. 245 mm
 - - - visible surface 0,103 m²/m
 — secondary surface

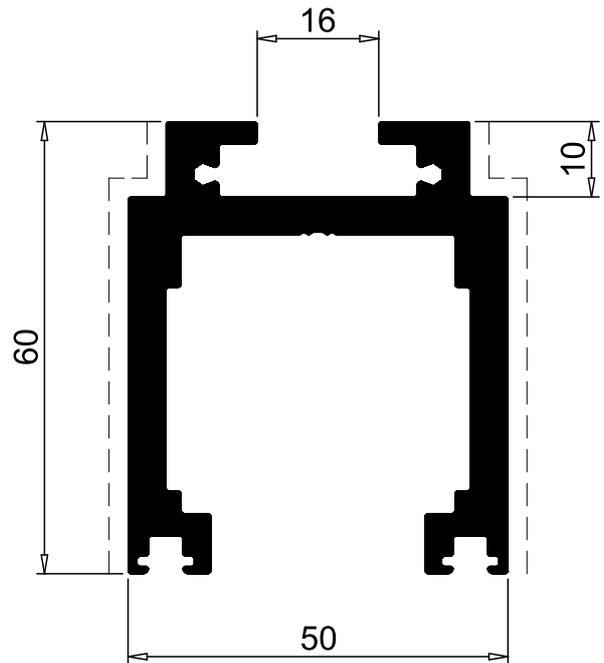




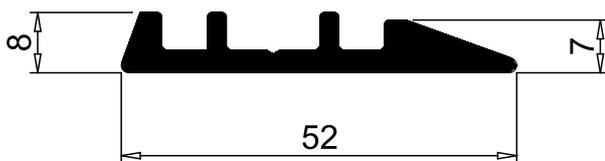
805245 2,157 kg/m
 ext. per. 553 mm
 --- visible surface 0,282 m²/m
 — secondary surface



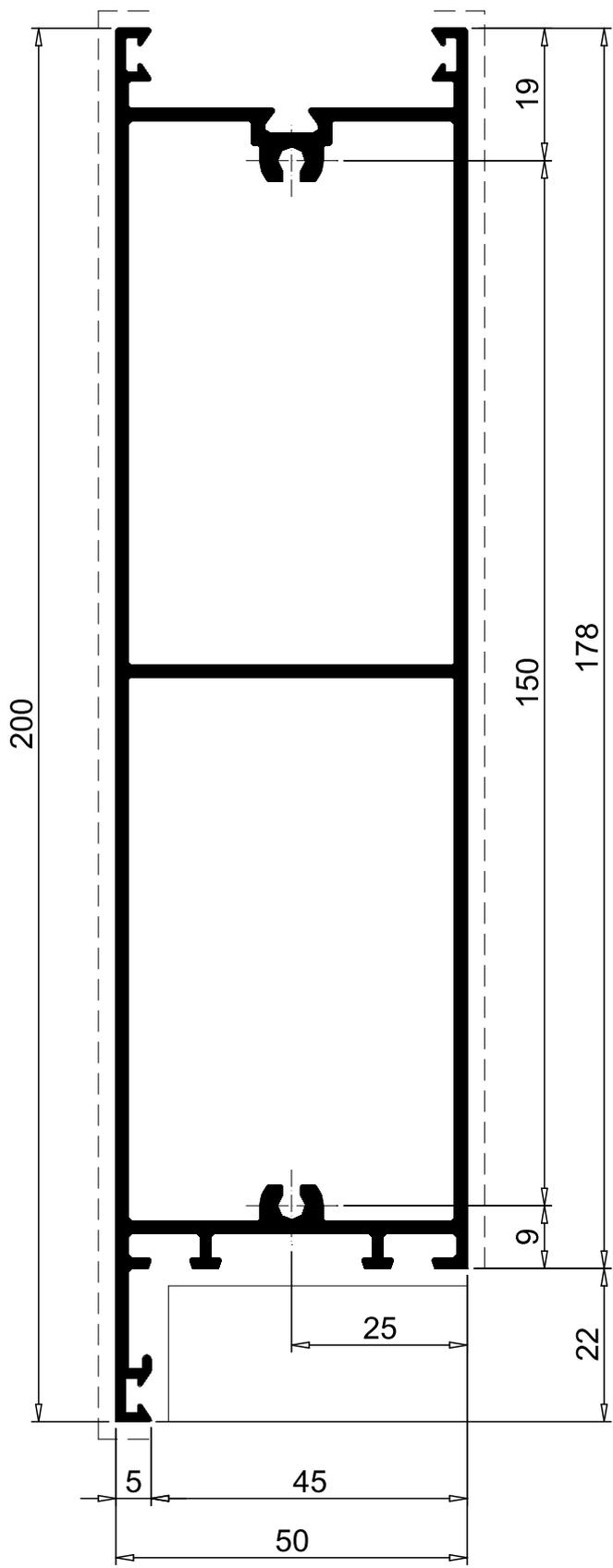
805247 0,929 kg/m
 ext. per. 319 mm
 --- visible surface 0,083 m²/m
 — secondary surface



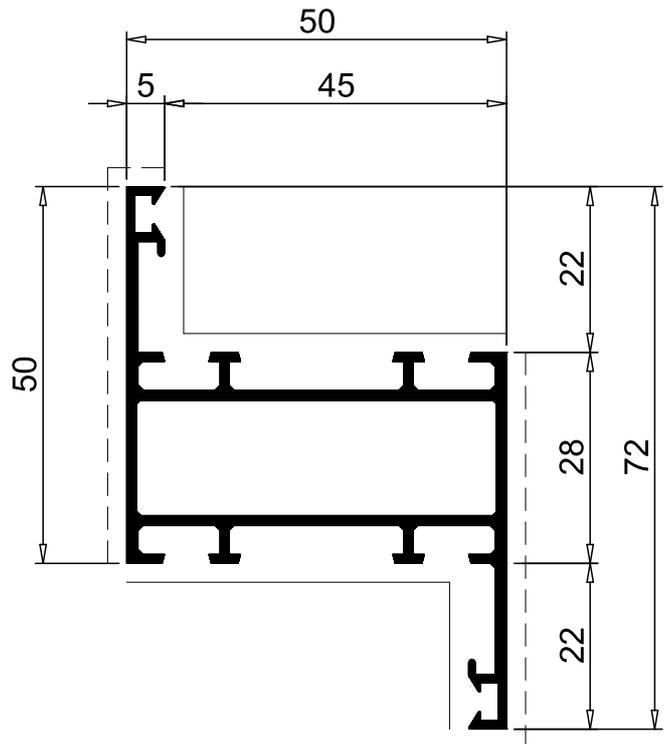
805144 2,478 kg/m
 ext. per. 408 mm
 --- visible surface
 — secondary surface



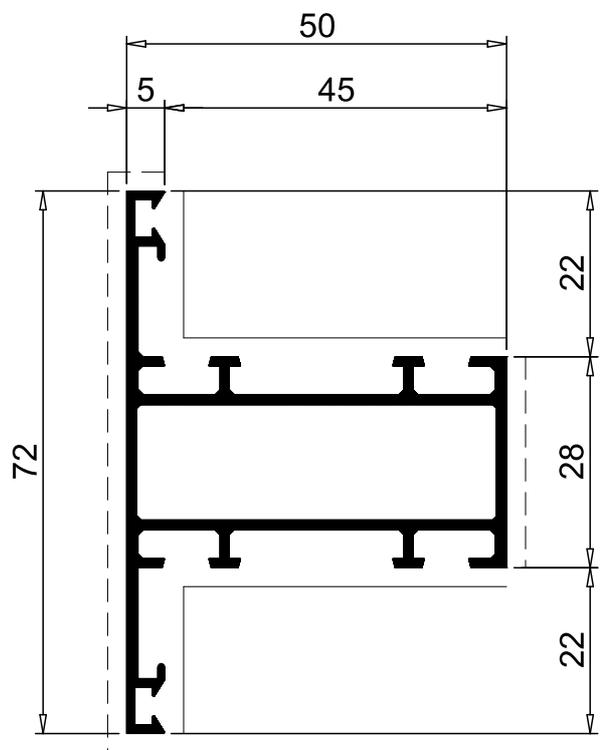
7221695 ----- kg/m
 ext. per. --- mm
 --- visible surface
 — secondary surface



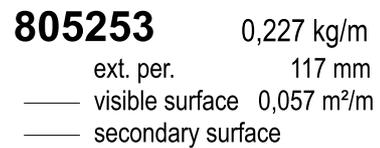
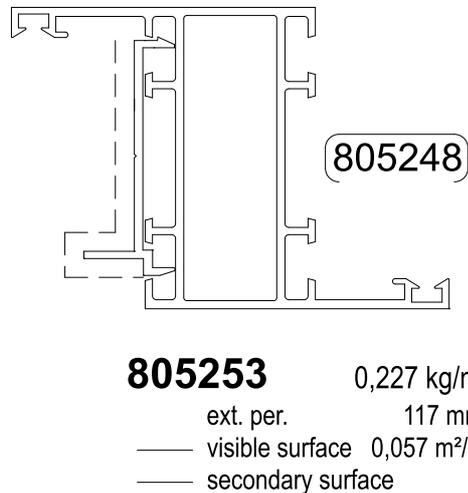
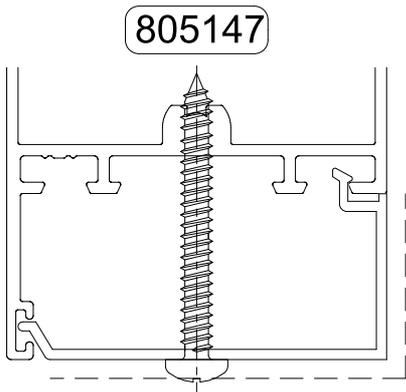
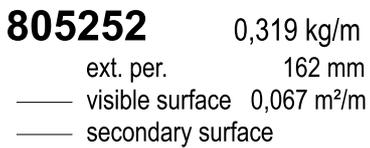
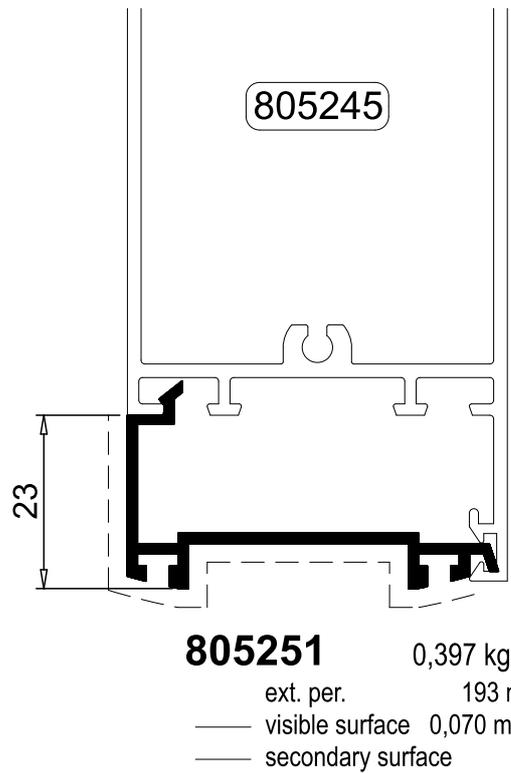
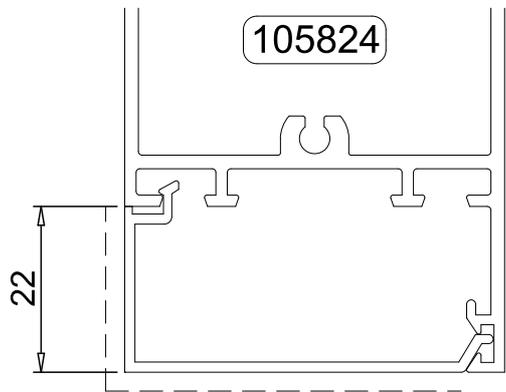
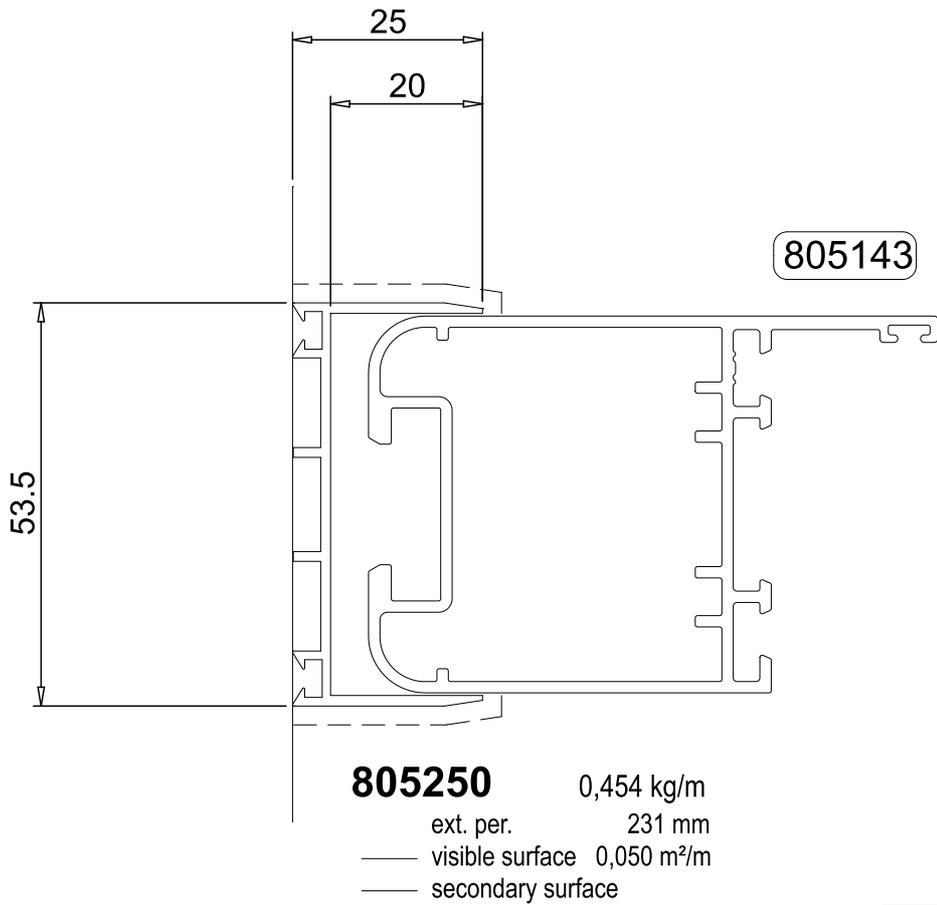
805246 2,875 kg/m
 ext. per. 634 mm
 --- visible surface 0,378 m²/m
 — secondary surface

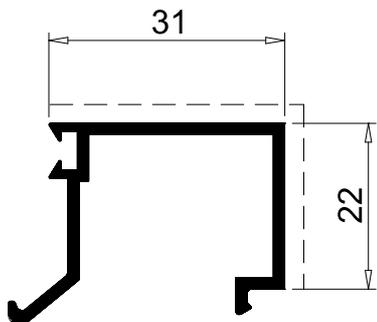


805248 1,064 kg/m
 ext. per. 382 mm
 --- visible surface 0,110 m²/m
 — secondary surface

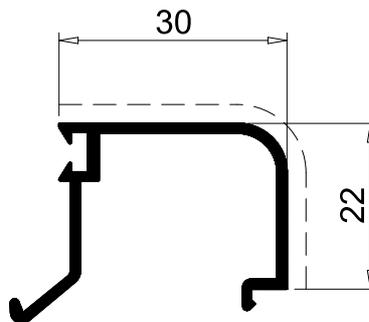


805249 1,064 kg/m
 ext. per. 382 mm
 --- visible surface 0,110 m²/m
 — secondary surface

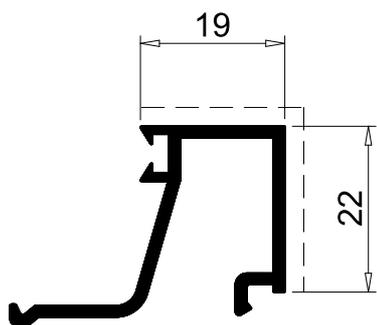




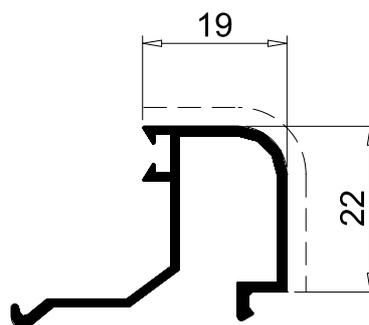
805233 0,330 kg/m
 ext. per. 194 mm
 --- visible surface 0,053 m²/m
 — secondary surface



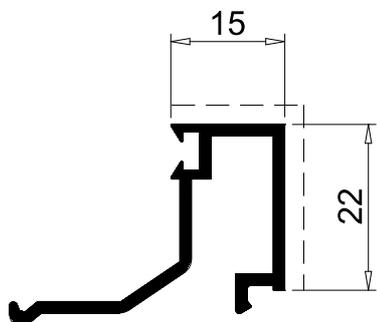
805234 0,312 kg/m
 ext. per. 185 mm
 --- visible surface 0,052 m²/m
 — secondary surface



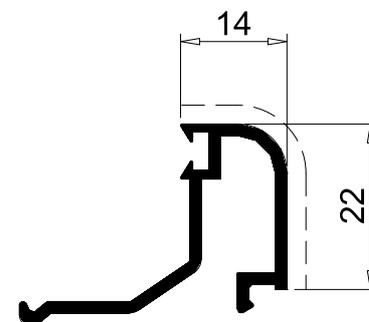
805235 0,320 kg/m
 ext. per. 192 mm
 --- visible surface 0,041 m²/m
 — secondary surface



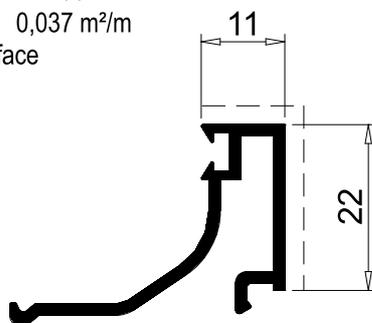
805220 0,303 kg/m
 ext. per. 185 mm
 --- visible surface 0,041 m²/m
 — secondary surface



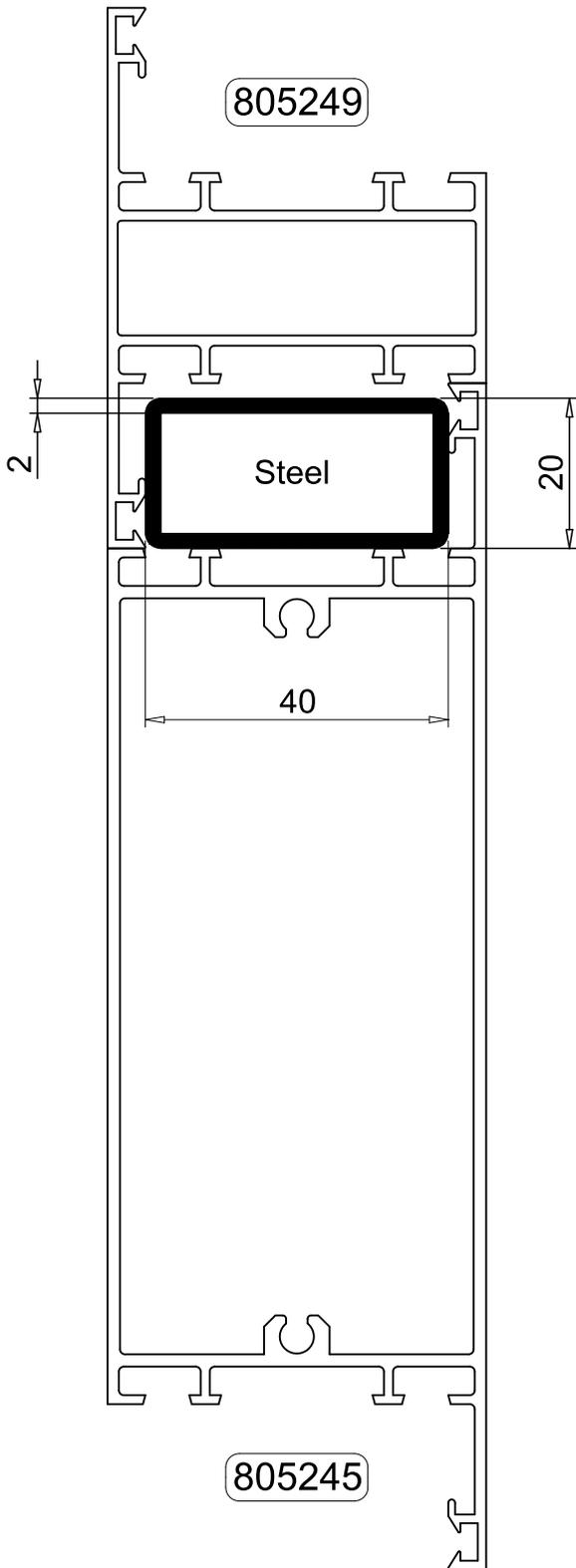
805221 0,315 kg/m
 ext. per. 190 mm
 --- visible surface 0,037 m²/m
 — secondary surface



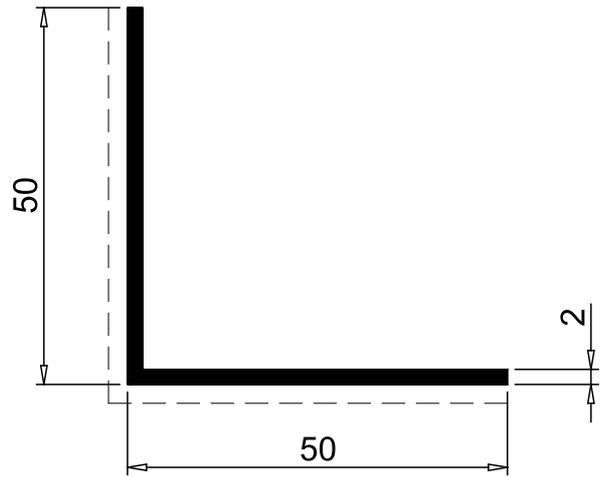
805222 0,293 kg/m
 ext. per. 180 mm
 --- visible surface 0,037 m²/m
 — secondary surface



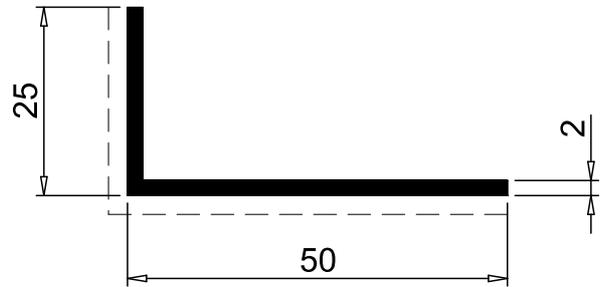
805223 0,305 kg/m
 ext. per. 186 mm
 --- visible surface 0,033 m²/m
 — secondary surface



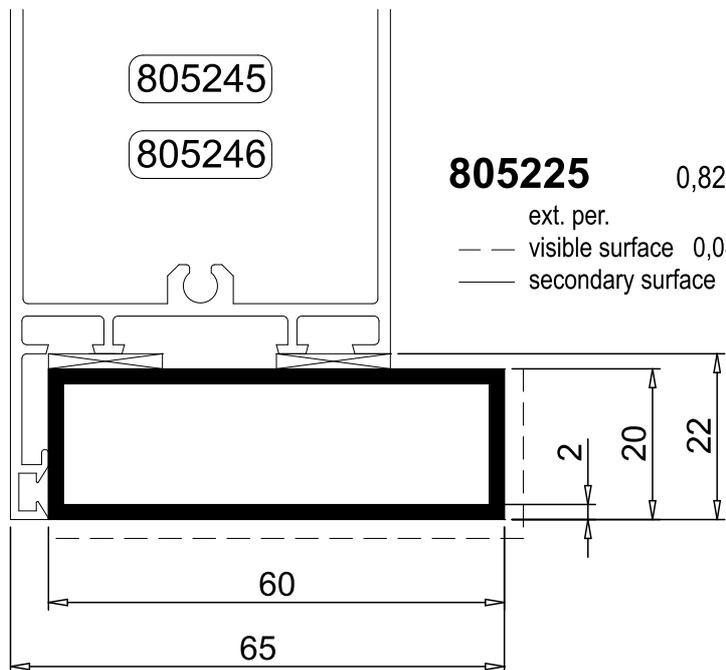
105845
1,760 kg/m



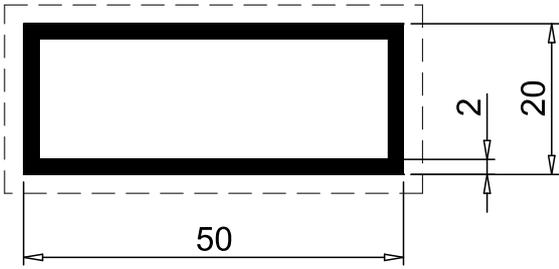
805232 0,529 kg/m
ext. per. 100 mm
- - - visible surface 0,100 m²/m
— secondary surface



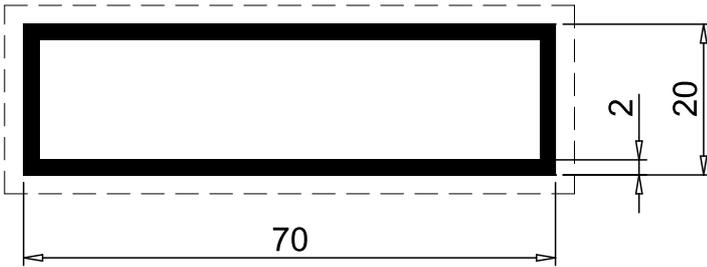
805231 0,394 kg/m
ext. per. 75 mm
- - - visible surface 0,075 m²/m
— secondary surface



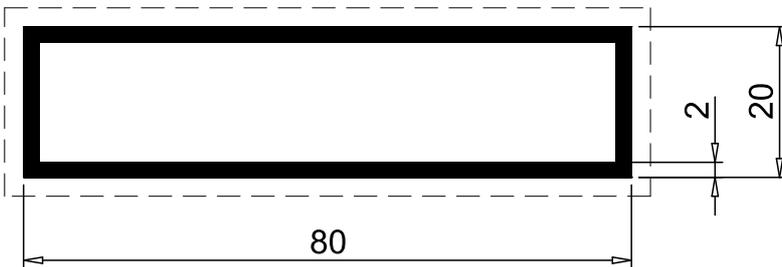
805225 0,820 kg/m
ext. per. 160 mm
- - - visible surface 0,080 m²/m
— secondary surface



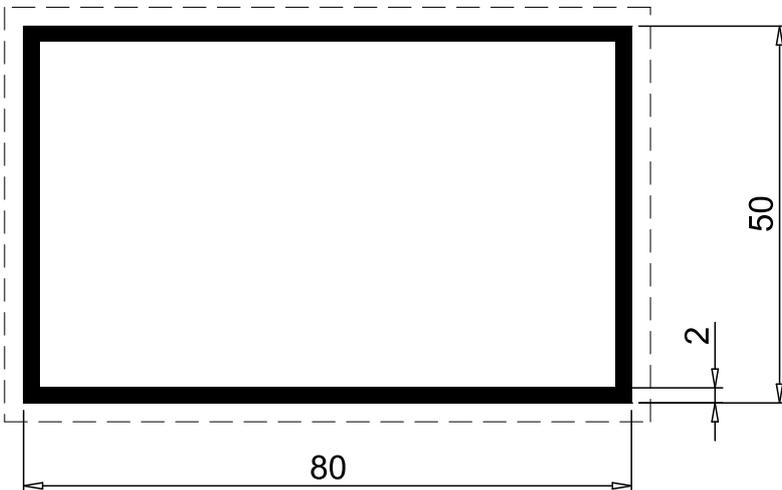
805226 0,712 kg/m
 ext. per. 140 mm
 --- visible surface 0,140 m²/m
 — secondary surface



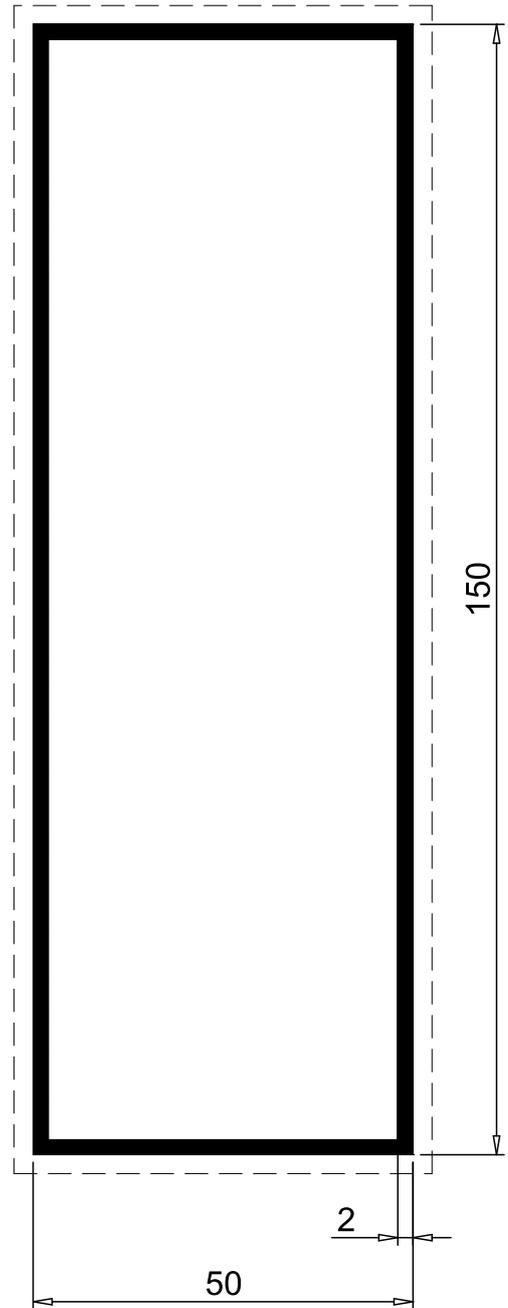
805227 0,928 kg/m
 ext. per. 180 mm
 --- visible surface 0,180 m²/m
 — secondary surface



805228 1,040 kg/m
 ext. per. 200 mm
 --- visible surface 0,200 m²/m
 — secondary surface

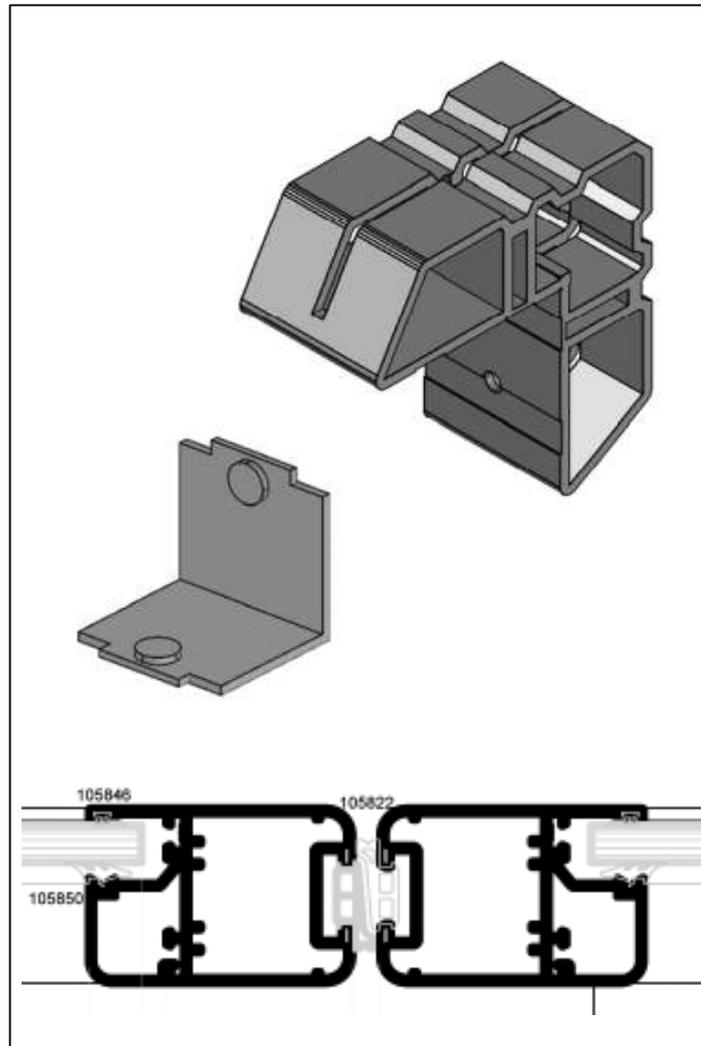


805230 1,361 kg/m
 ext. per. 260 mm
 --- visible surface 0,260 m²/m
 — secondary surface



805229 2,160 kg/m
 ext. per. 400 mm
 --- visible surface 0,400 m²/m
 — secondary surface

ACCESSORIES AND SEALS



- SUMMARY AND DESCRIPTION
WITH TECHNICAL SPECIFICATIONS
FOR SEALS AND ACCESORIES

KIT CODE	CODE	DRAWING	DESCRIPTION
	103204		Square Kit for mobile leaf NO APN (q.ty 20) material : aluminium alloy
	103205		Square Kit for over gap leaf (q.ty 50) material : aluminium alloy
	103213		U-bolt for securing profile to under band (q.ty 50) material : aluminium alloy
	103214		Fixing compensator (q.ty 100)
	105380		Lower guide profile (bar L=3,000 mm.) material : polyamide
	105078		Articulated sliding block (q.ty 8)
	105487		Lower sliding block pair with clamp (only telescopic) (q.ty 4 pairs)
	103206		Floor lock complete with rod and rod guide for mobile leaf
	103211		Through-cylinder for lock, with cylinder cover and 3 keys
	103212		Blind-cylinder for lock, with cylinder cover and 3 keys

KIT CODE	CODE	DRAWING	DESCRIPTION
		Upper bolt for mobile leaf complete with guide (NOT for emergency exit)
	722873		Plates for securing carriages (only for series 940 SM) (q.ty 4) material : aluminium
	103209		Bracket kit for motor stop photocells
	103210		Tool for profile butt joint (mill)
103208 kit APN mobile leaf	730929		Upper hinge assembly for mobile leaf (q.ty 1) material : steel
	727391		Plugs for leaf fitting profile (q.ty 2) material : aluminium
	707601		Ball lock (q.ty 1) material : aluminium
		Striker plate for ball lock (q.ty 2) material : aluminium
	728460/A		Coupling plate for ball lock (q.ty 1) material : steel
	728457		Lower hinge for mobile leaf (q.ty 1) material : polyamide

KIT CODE	CODE	DRAWING	DESCRIPTION
103208 Kit APN mobile leaf	720290		Lower sliding block (q.ty 1) material : polyamide
	718296		Pin for lower sliding block (q.ty 1) material : steel
	721134		Spring (q.ty 1) material : steel
103207 Kit APN semi-fixed leaf	720366		Upper hinge bracket for semi-fixed leaf (q.ty 1) material : aluminium
	730008	730008	Upper hinge for semi-fixed leaf (q.ty 1) material : aluminium
	706175		Pin for upper hinge (q.ty 1) material : aluminium
	730008/A		Lower hinge for semi-fixed leaf (q.ty 1) material : polyamide
	706099		Ball bearing for lower hinge (q.ty 1)
	707601		Ball lock (q.ty 1) material : aluminium
	728459		Lower plate for ball lock (q.ty 1) material : aluminium

KIT CODE	CODE	DRAWING	DESCRIPTION	
103207 Kit APN semi-fixed leaf	728456		Square bracket for lower hinge (q.ty 1) material : steel	
	SP-4770		Support plate (q.ty 1) material : aluminium	
	728460		Coupling plate for ball lock (q.ty 1) material : steel	
	758057		Microswitch	
	728455		Plate for securing microswitch (q.ty 1) material : aluminium	
	728454		Universal securing striker (q.ty 2) material : aluminium	
		105823		Wing seal (roll 150 lm.) material : EPDM
		105821		Round seal (roll 80 lm.) material : EPDM
		105822		Contact seal (roll 70 lm.) material : EPDM
		105857		Contact seal (roll lm.) material : EPDM

KIT CODE	CODE	DRAWING	DESCRIPTION
	105846		External glass seal 1.5 mm. (roll 500 lm.) material : EPDM
	105848		Internal glass seal 3 mm. (roll 500 lm.) material : EPDM
	105849		Internal glass seal 4 mm. (roll 500 lm.) material : EPDM
	105850		Internal glass seal 5 mm. (roll 300 lm.) material : EPDM
	105847		Internal glass seal 8 mm. (roll lm.) material : EPDM
	105851		Profile coupling seal for over gap leaf (bar 4,000 lm.) material : PVC
	105346		Brush for base H=19 mm. (bar 3,000 lm.)
	105345		Brush for base H=25 mm. (bar 3,000 lm.)
	105856		Brush for upper cross beam and door-felt profile H=11 mm. (roll 3x200 lm.)

KIT CODE	CODE	DRAWING	DESCRIPTION

**TECHNICAL
AND COMMERCIAL
INFORMATION**

- PROPERTIES OF THE ALUMINIUM
CLEANING AND MAINTENANCE
- GENERAL NOTES
- GENERAL CHARACTERISTICS

PROPERTIES OF THE ALUMINIUM

LIGHTNESS

Aluminium is an extremely light metal: its specific weight equals 2.7 grams per cubic centimetre, i.e. only 1/3 of that of steel.

STRENGTH

The strength of aluminium can be optimised by adding small quantities of other metals. Special types of alloys can make aluminium as strong as steel.

RESISTANCE TO CORROSION

The spontaneous formation of a layer of oxide protects the aluminium, making it particularly resistant to corrosion.

Using specific surface treatments, this characteristic can be even further heightened

USE

The possibility of using alloys that heighten and complete its mechanical characteristics, makes it possible to apply aluminium in many uses.

INFLAMMABILITY AND RESISTANCE TO FIRE

Thanks to its refractory characteristics, aluminium can be used in construction and transportation.

CLEANING AND MAINTENANCE OF ALUMINIUM DOORS AND WINDOWS

By following the cleaning and maintenance instructions described later, aluminium doors and windows will maintain their initial tightness performance and surface beauty. To maintain these qualities, the section bars must be subject to regular cleaning and maintenance.

The frequency of maintenance depends on the building's surrounding environment and must be greater near coasts, industrial areas and highly polluted areas. Cleaning aluminium section bars is extremely easy: simply wipe them thoroughly with a sponge or soft cloth soaked in a specific detergent.

The detergent must be neither abrasive nor ammonia- or chlorine-based (e.g. bleach) nor contain alkalines or acids. Frame section bar maintenance is often combined with glass cleaning. We highly recommend cleaning surfaces when they are not exposed to sources of heat or sun rays.

IMPORTANT NOTES

Anodised and painted aluminium must not come in contact with damp mortar and plaster. Therefore, when performing masonry work, we recommend you always protect the frames and leaves to avoid possible causes of damage

DO NOT USE

- Aggressive alkaline chemical products (e.g. ammonia).
- Strong acids
- Hypochlorites (e.g. bleach).
- Oxidising products.
- Nitro-acetone solvents

WHAT TO USE !!!

Water at a max temperature of 30°C and a specific detergent for cleaning the aluminium parts of doors and windows, with anodised and painted, unpolished surface finish

GENERAL NOTES

- Section bar weight.** The weight indicated is theoretic and may vary depending on the thickness and size tolerances of the sections bars. (Standard UNI EN 12020-2).
- Section bar dimensions.** The dimensions indicated are theoretic and may therefore vary depending on the dimensional extrusion tolerances (Standard UNI EN 12020-2). This variability, which applies to all section bars, can affect, even if only minimally, the cutting and therefore final dimensions of doors and windows.
Even painting, by increasing the thickness, contributes to varying the dimensions of doors and windows and, especially, reduces the space for inserting seals and accessories in their seatings
- Cutting dimensions.** The theoretic cutting dimensions indicated in this catalogue are exact. In certain cases they must, in practice, be rounded off depending on the precision and the type of measurement settings of the machines available in one's workshop
- Building doors and windows.** We recommend that for the first few jobs or before building large quantities of doors and windows, to make a life-size sample in order to verify assembly, performance against weather and the mechanical characteristics of the accessories
- Length of the bars.** The commercial length of the section bars is 6,500 mm. Some section bars will measure 5,400, 5,200 or 5,000 mm in length.
- Fitting to walls.** The representation of some diagrams for fitting doors and windows to walls is not limiting but just a suggestion - even by design engineers - of how one can simply and functionally solve this particular and important door and window problem
- Number of accessories.** The number of accessories contained in the door and window diagram tables are those provided for and confirmed by the tests performed for improving the functionality and resistance to various types of stress to which an outdoor door or window is usually subject.
- Usage.** FAAC S.p.A. is not liable for any usage of the system that differs from what is provided for in this catalogue
- Painting.** In order to limit thread-like corrosion, the instructions below must be followed carefully:
 - Use squares and U-bolts made of extruded alloy EN AW 6060 (EN 573-3 and EN 755-2)
 - Use stainless steel screws.
 - Seal all cut parts.
 - Avoid the stagnation of condensation inside the door or window.
 - Be careful when fitting.
 During the entire painting process, the section bars must be properly supported so as to maintain their initial straight position and not be subject to deformation.

GENERAL CHARACTERISTICS

The **FAAC** series of section bars, their accessories and seals are designed for making "**automatic doors**" with a specific purpose: coordinating and integrating all the components necessary for assembly. All section bars, extruded from **NATURAL** aluminium in variable length rods, the accessories and seals are managed according to KITS, in order to simplify both the order placement process and warehouse inventory management.