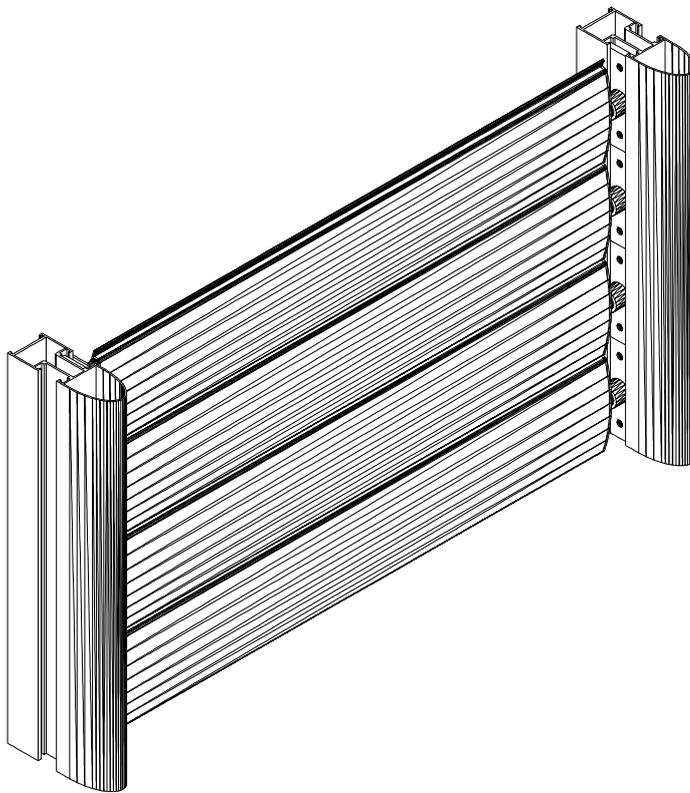
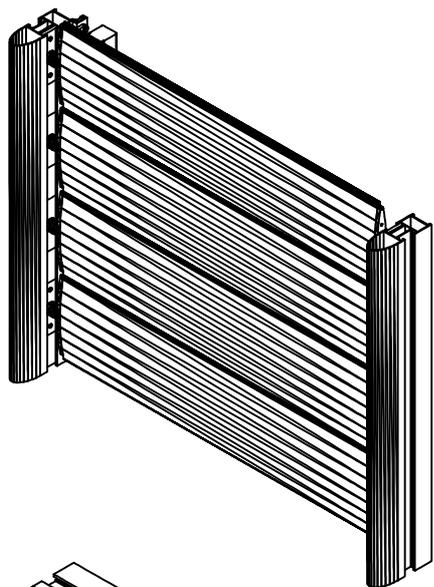


FEAL

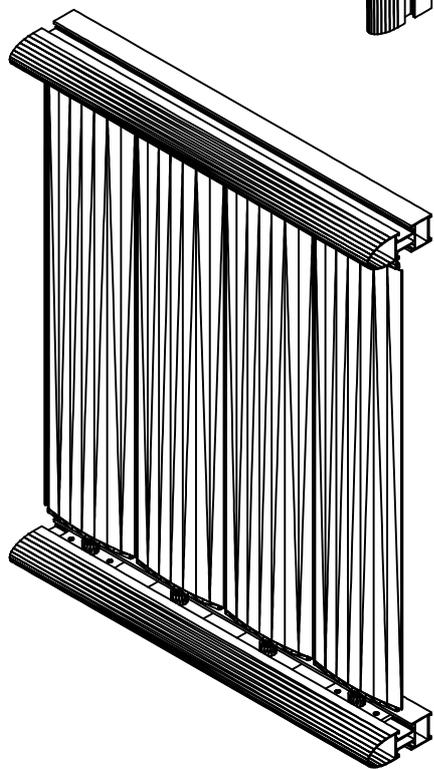
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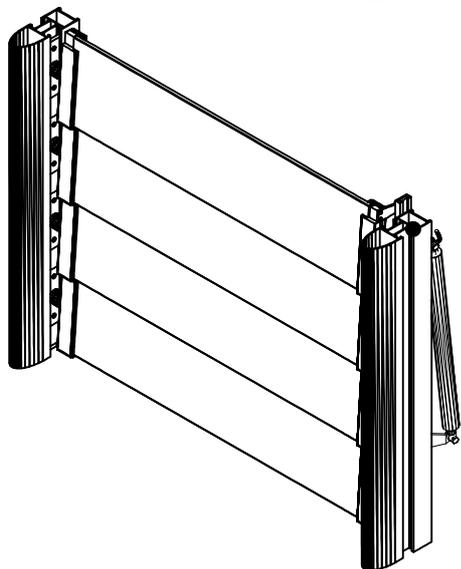
POKRETNI BRISOLEJI **FEAL SUN 55**



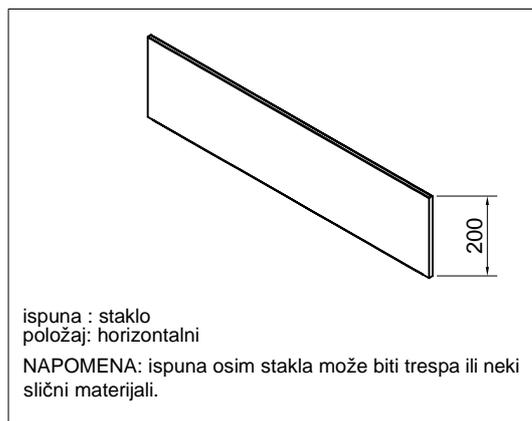
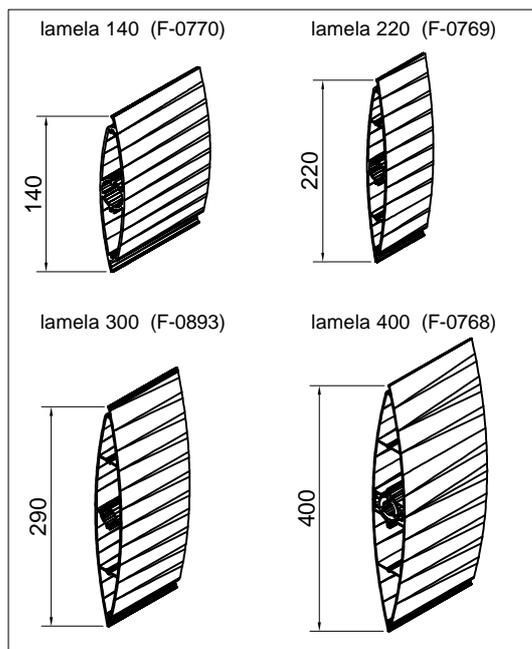
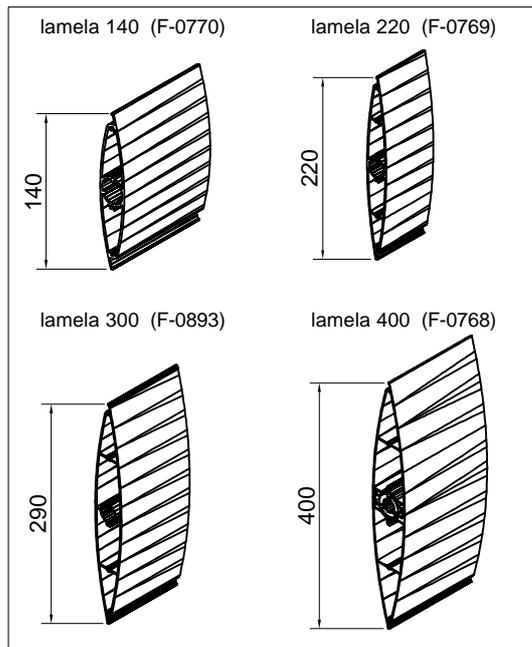
HORIZONTALNI BRISOLEJI



VERTIKALNI BRISOLEJI



STAKLENI BRISOLEJI



Arhitektura • Statika • Nadzor

Bužanova 25, 10 000 Zagreb, Croatia
tel 385 1 230 3755, fax 230 0275
e-mail: plan-b@plan-b.hr • URL: www.plan-b.hr

P | L | A | N | B

Investitor: **Feal Hrvatska d.o.o.**
Rudeška cesta 3a, Zagreb

Gradjevina: **Tipski brisoleji**

T.D.: **15-7-2/1**

Sadržaj: **Proračun tipskih brisoleja**

**GLAVNI PROJEKT
STATIČKI PRORAČUN**

Projektant :
Zdravko Zorić d.i.g.

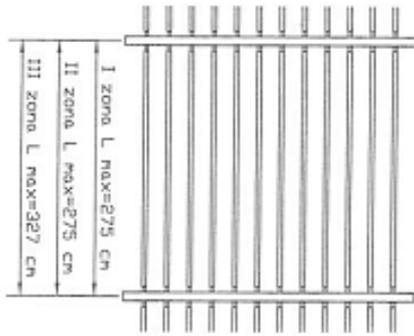
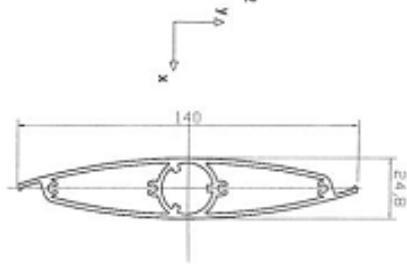
Direktor:
ZDRAVKO ZORIĆ

Zagreb, 10.2010.

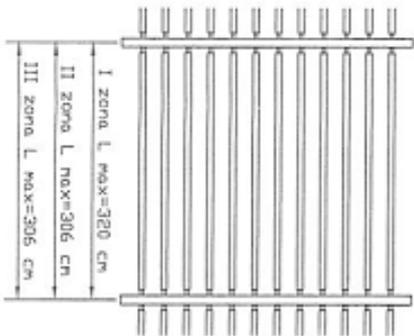
PLAN B d.o.o.
Bužanova 25, ZAGREB

UVJETI ZA STATIČKI PRORAČUN BRISOLEA F 0770

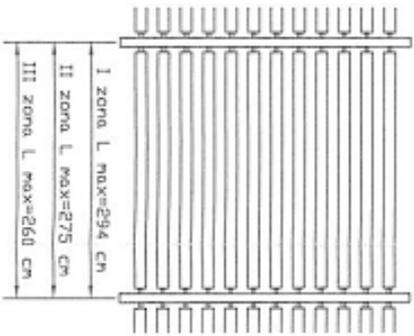
E 0770
 težina: kg/m² 1,82
 I_x=83,86 cm⁴
 I_y=4,27 cm⁴
 W_x=11,98 cm³
 W_y=3,44 cm³



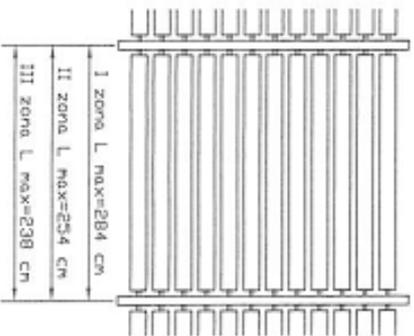
OTVOREN 0°



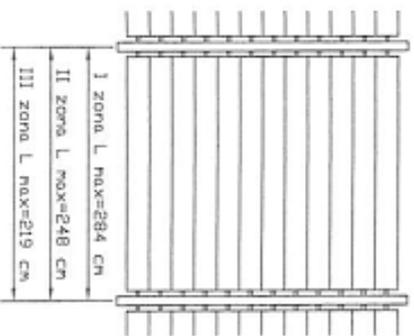
OTVOREN 15°



OTVOREN 30°



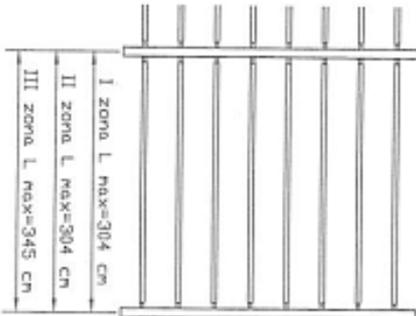
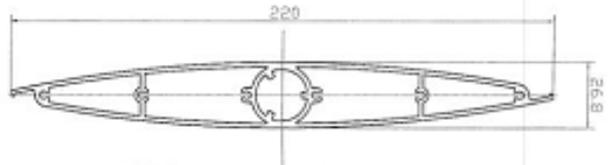
OTVOREN 45°



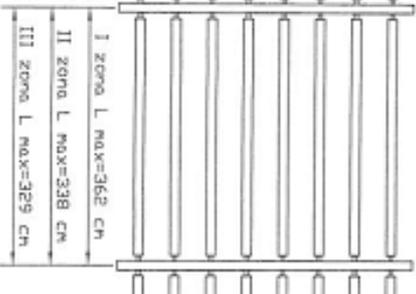
VERTIKALNO 90°

UVJETI ZA STATIČKI PRORAČUN BRISOLEA F 0769

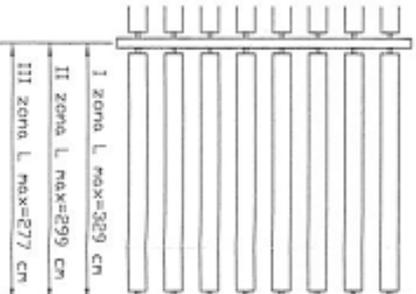
F 0769
 težina: kg/m² 2,825
 I_x=338,94 cm⁴ Y₀
 I_y=7,35 cm⁴
 W_x=32,8 cm³
 W_y=4,80 cm³



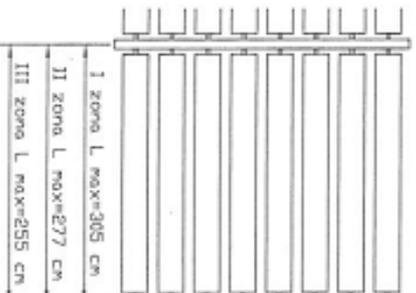
OTVOREN 0°



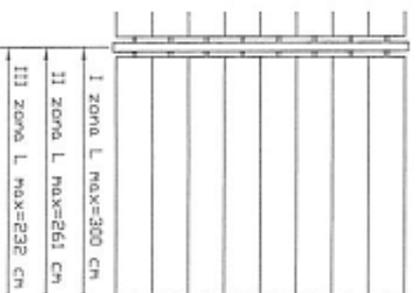
OTVOREN 15°



OTVOREN 30°



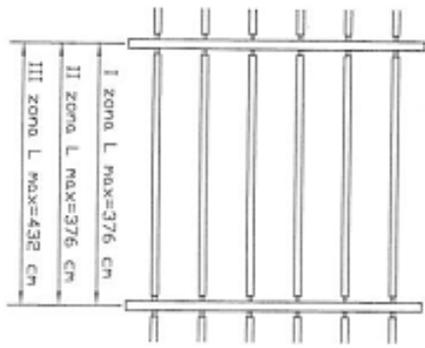
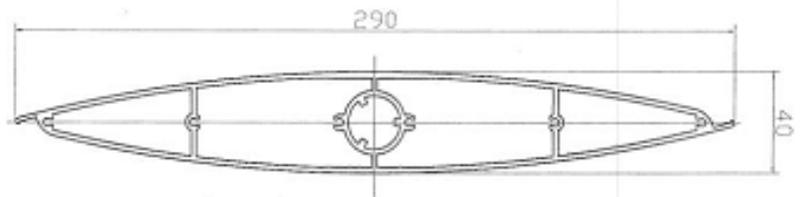
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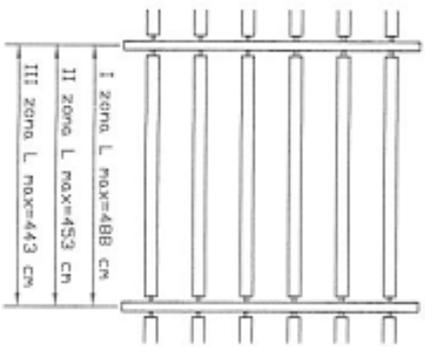
VERTIKALNO 90°

UVJETI ZA STATIČKI PRORAČUN BRISOLEA F 0893

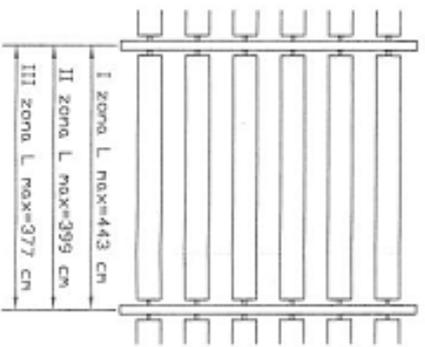
E 8893
 težina: kg/ml 4,10
 $I_x=885,40 \text{ cm}^4$
 $I_y=28,56 \text{ cm}^4$
 $W_x=59,00 \text{ cm}^3$
 $W_y=12,98 \text{ cm}^3$



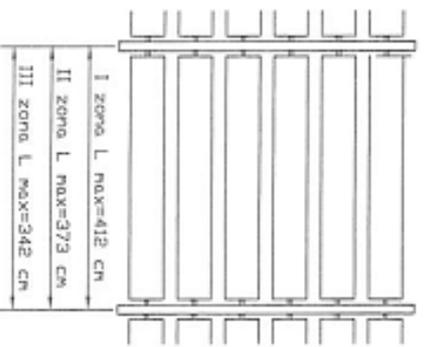
OTVOREN 0°



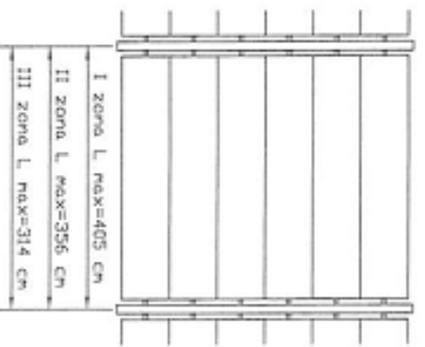
OTVOREN 15°



OTVOREN 30°

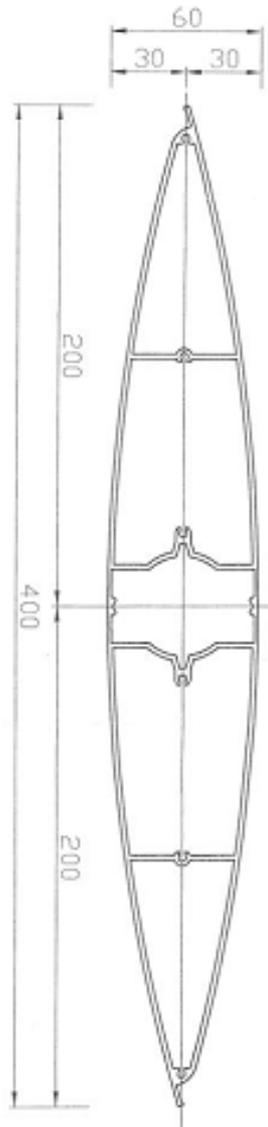


OTVOREN 45°



VERTIKALNO 90°

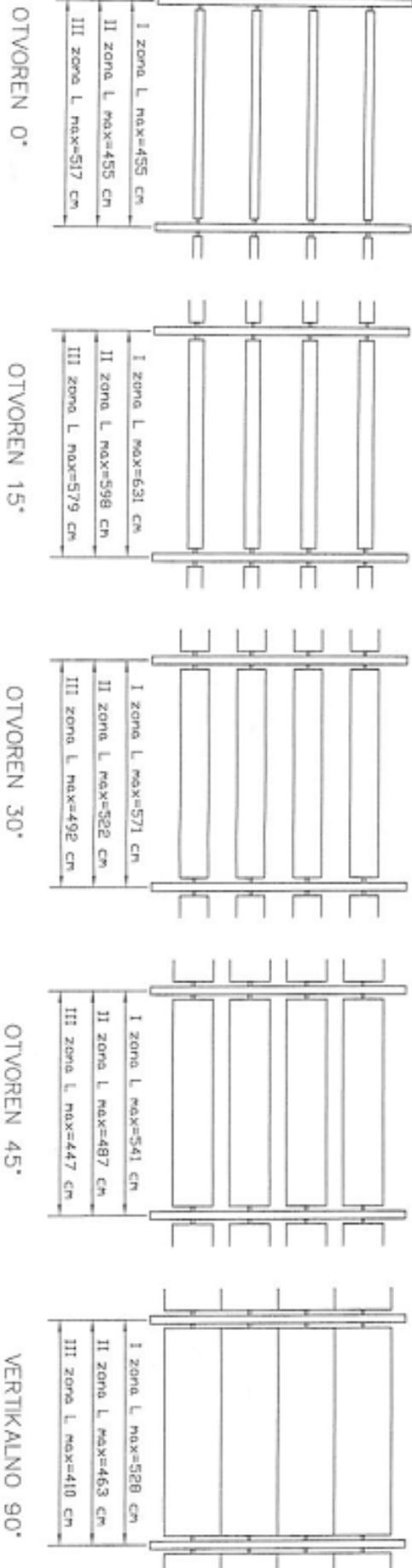
UVJETI ZA STATIČKI PRORAČUN BRISOLELA F 0768

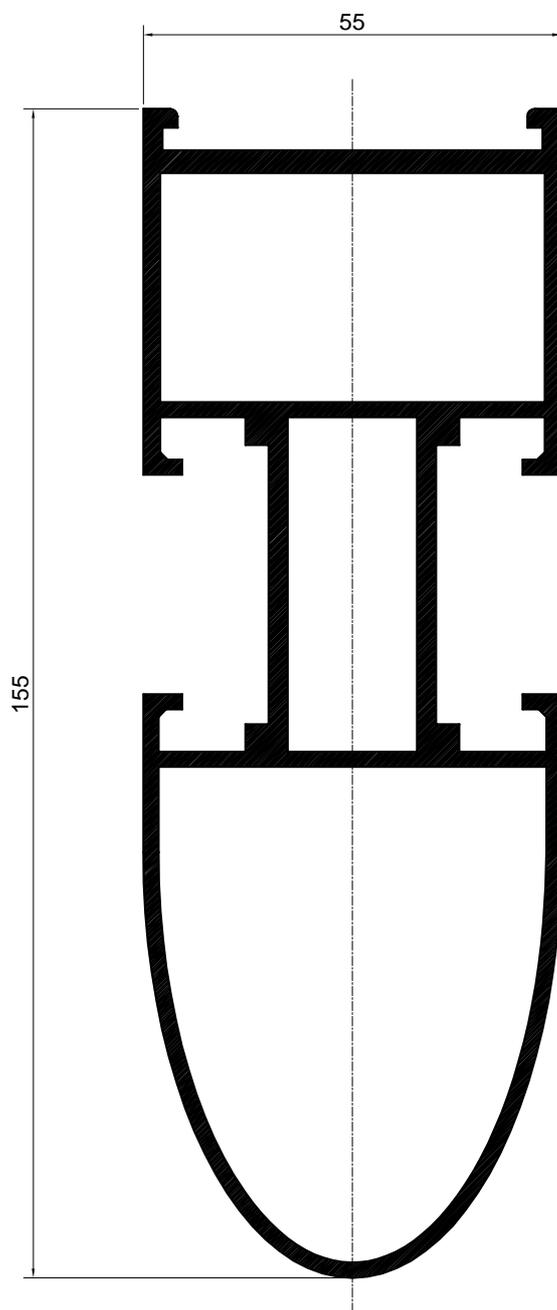


F 0768
 težina: kg/m³ 5,58
 I_x=2226,78 cm⁴
 I_y= 79,63 cm⁴
 W_x= 116,40 cm³
 W_y= 20,71 cm³

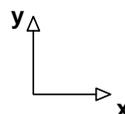
Zdravko Žark
 dipl. inž. građ.
 Ovlašten inženjer
 PIAI, B. d.o.o.
 Zagreb

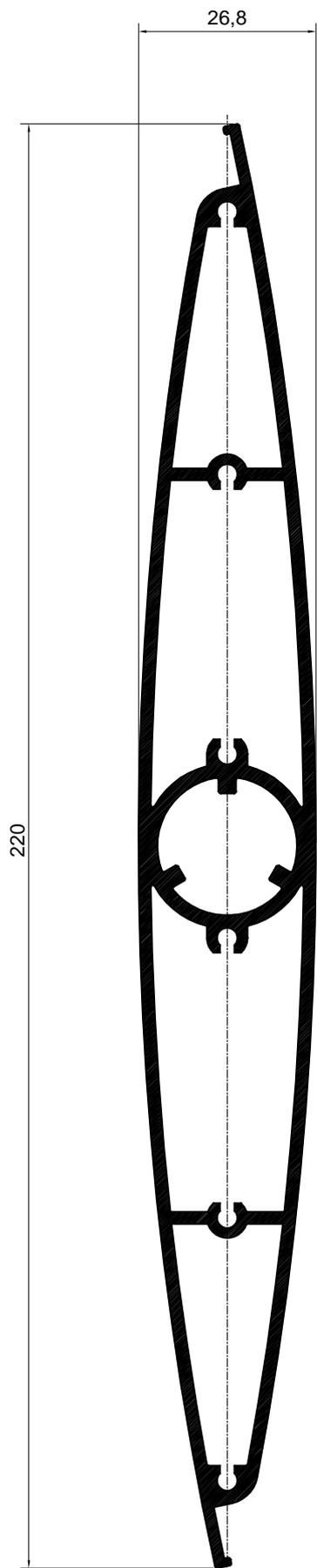
 S 817



**F 0904**

težina: kg/ml 3.30

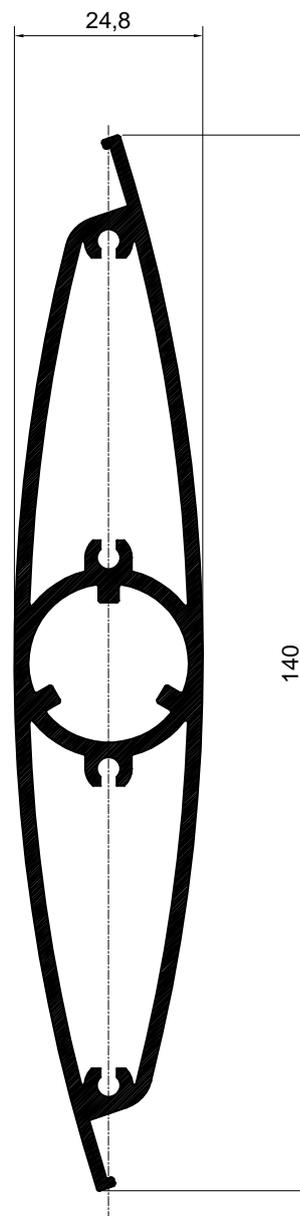
 $I_x=237.49$ cm⁴ $I_y=44.34$ cm⁴ $W_x=26.38$ cm³ $W_y=16.12$ cm³



F 0769

tezina: kg/ml 2.825

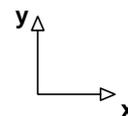
$I_x=338.94 \text{ cm}^4$ $y \uparrow$
 $I_y=7.93 \text{ cm}^4$
 $W_x=30.8 \text{ cm}^3$
 $W_y=5.90 \text{ cm}^3$ $x \rightarrow$



F 0770

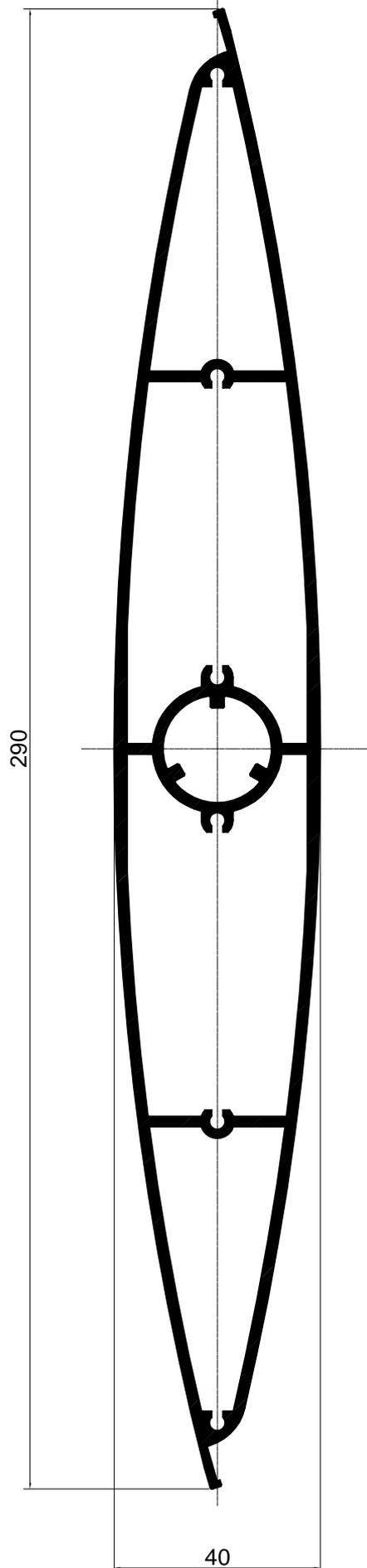
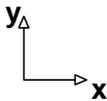
tezina: kg/ml 1.82

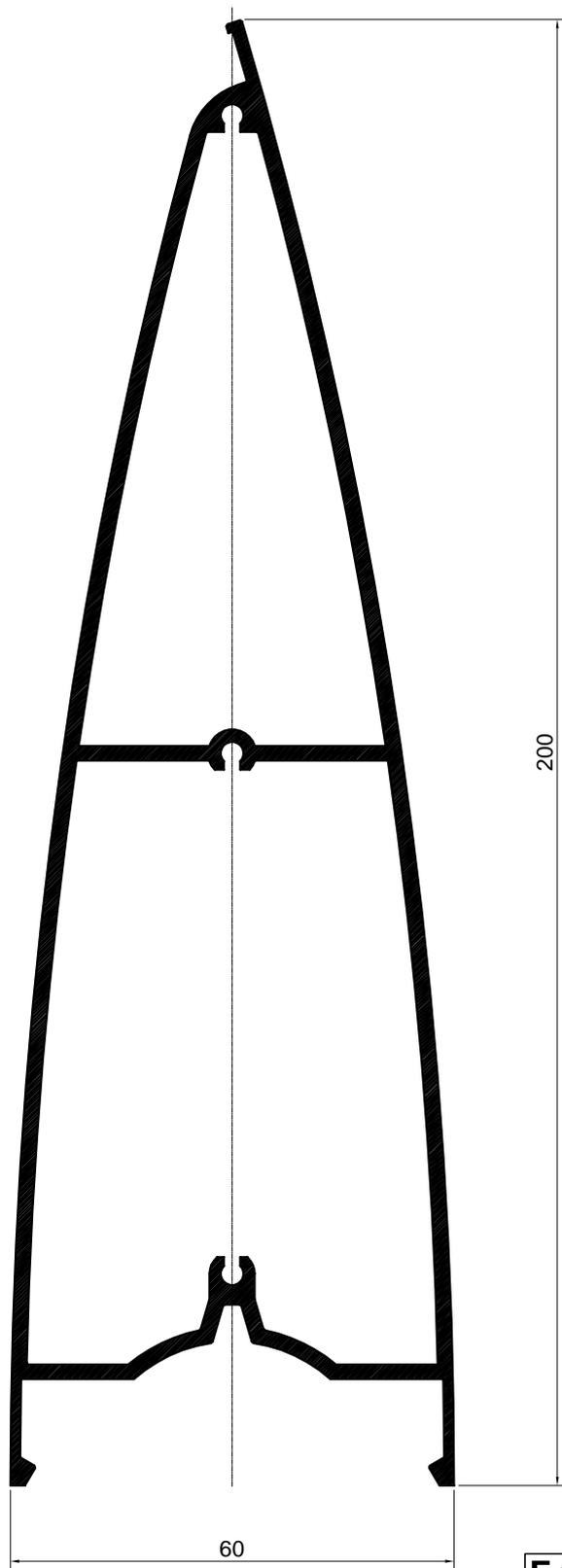
$I_x=83.86 \text{ cm}^4$
 $I_y=4.27 \text{ cm}^4$
 $W_x=11.98 \text{ cm}^3$
 $W_y=3.44 \text{ cm}^3$



F 0893

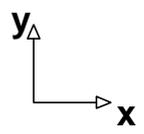
težina: kg/ml 4.10

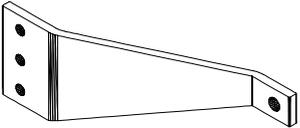
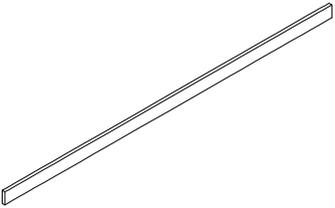
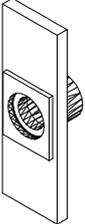
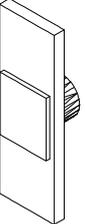
 $I_x=855.40 \text{ cm}^4$ $I_y=25.96 \text{ cm}^4$ $W_x=59.00 \text{ cm}^3$ $W_y=12.98 \text{ cm}^3$ 

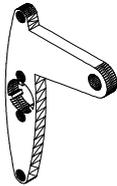
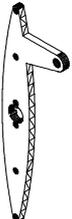


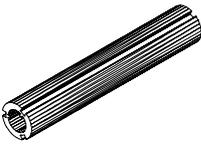
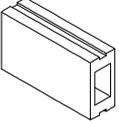
F 0768

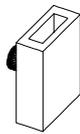
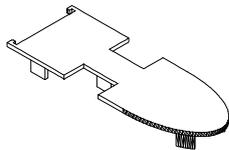
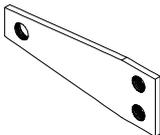
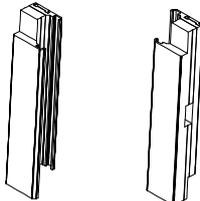
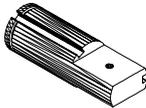
tezina: kg/ml 2.843
 $I_x=340.22 \text{ cm}^4$
 $I_y=39.76 \text{ cm}^4$
 $W_x=30.73 \text{ cm}^3$
 $W_y=13.25 \text{ cm}^3$

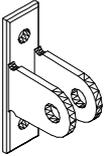
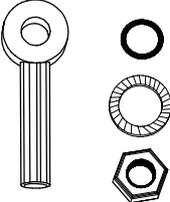
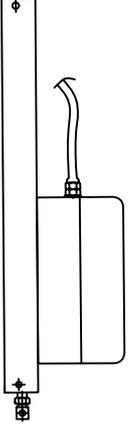


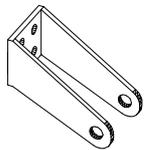
CODE	Izgled-presjek	Opis	Materijal	Nap.
391.010		-Prenosna osovina; l=250 mm - Stara oznaka PZS-01	Al.	
391.011		- Prenosna osovina; l=250 mm; za vertikalne brisoleje - Stara oznaka PZS-01/A	Al.	
521.055		- Nosač lijevi+desni - Stara oznaka PZS-02	INOX	
391.012		- Poluga za prijenos kretanja sa motora na lamele - Stara oznaka PZS-03	Al.	
375.026		- Umetak - Stara oznaka DB-133	PVC	
375.027		- Umetak - Stara oznaka DB-133/A	PVC	

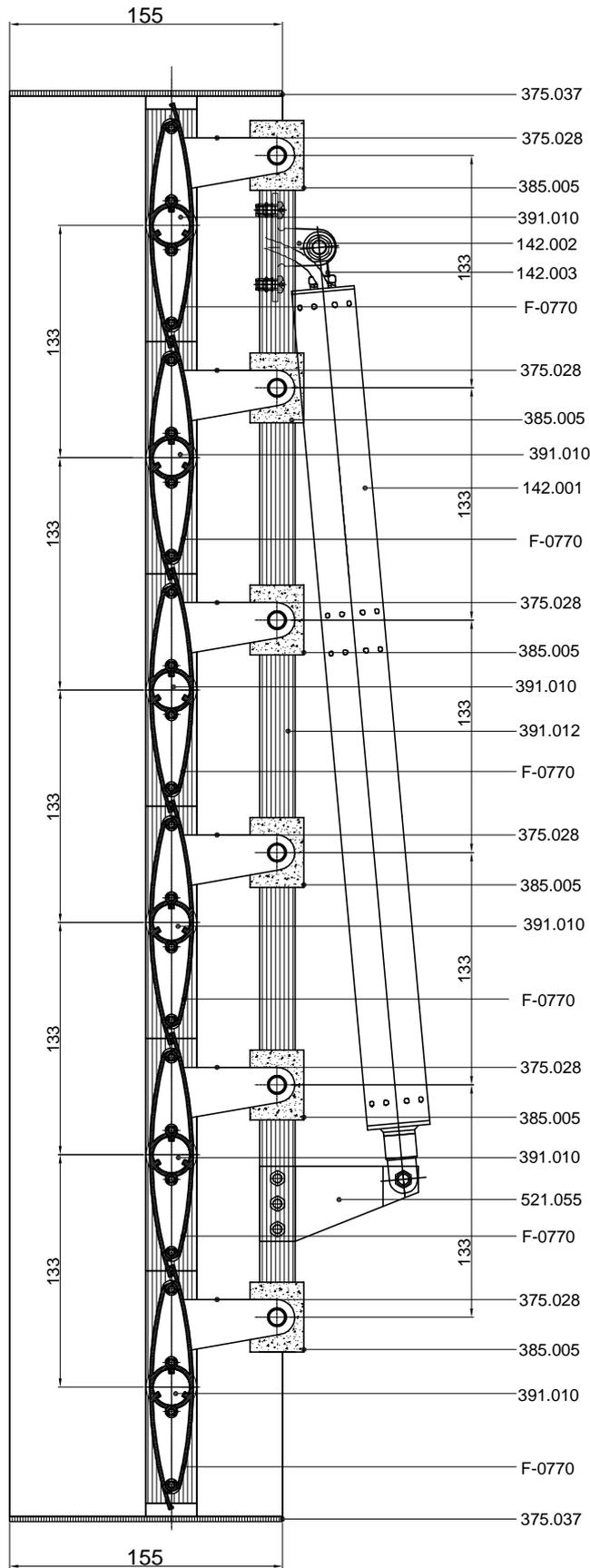
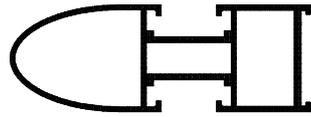
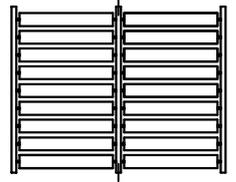
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375.028		- Bočni poklopac za lamelu 140 mm na pogonskom dijelu - Stara oznaka D-140/P -Par (L+D)	PVC	
375.029		- Bočni poklopac za lamelu 140 mm - Stara oznaka D-140	PVC	
375.030		- Bočni poklopac za lamelu 220 mm na pogonsko dijelu - Stara oznaka D-220/P - Par (L+D)	PVC	
375.031		- Bočni poklopac za lamelu 220 mm - Stara oznaka D-220	PVC	
375.032		- Bočni poklopac za lamelu 300 mm na pogonskom dijelu - Stara oznaka D-300/P - Par (L+D)	PVC	
375.033		- Bočni poklopac za lamelu 300 mm - Stara oznaka D-300	PVC	

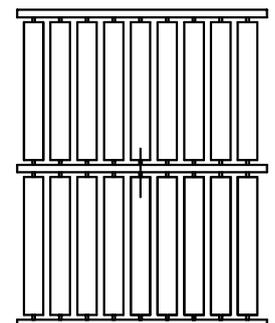
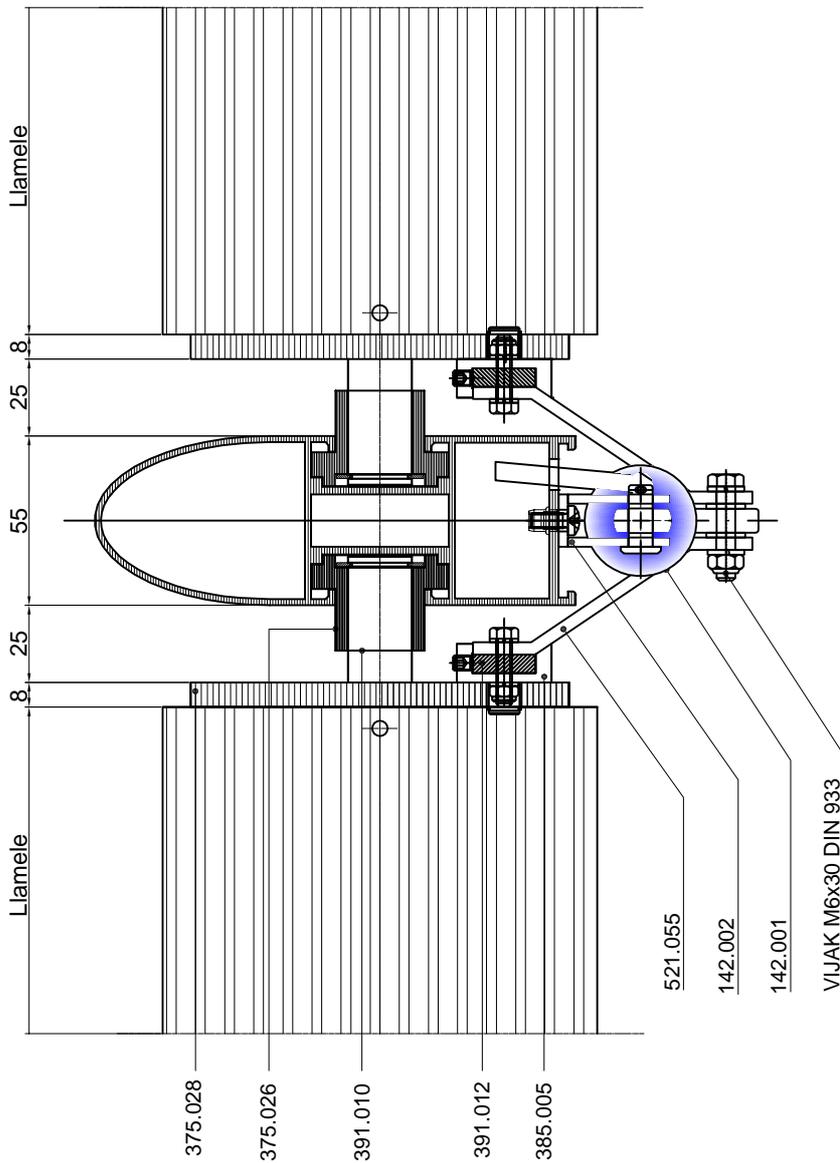
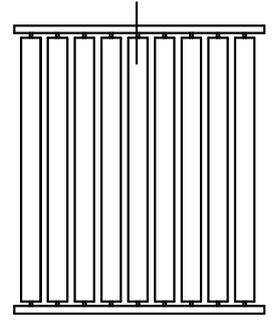
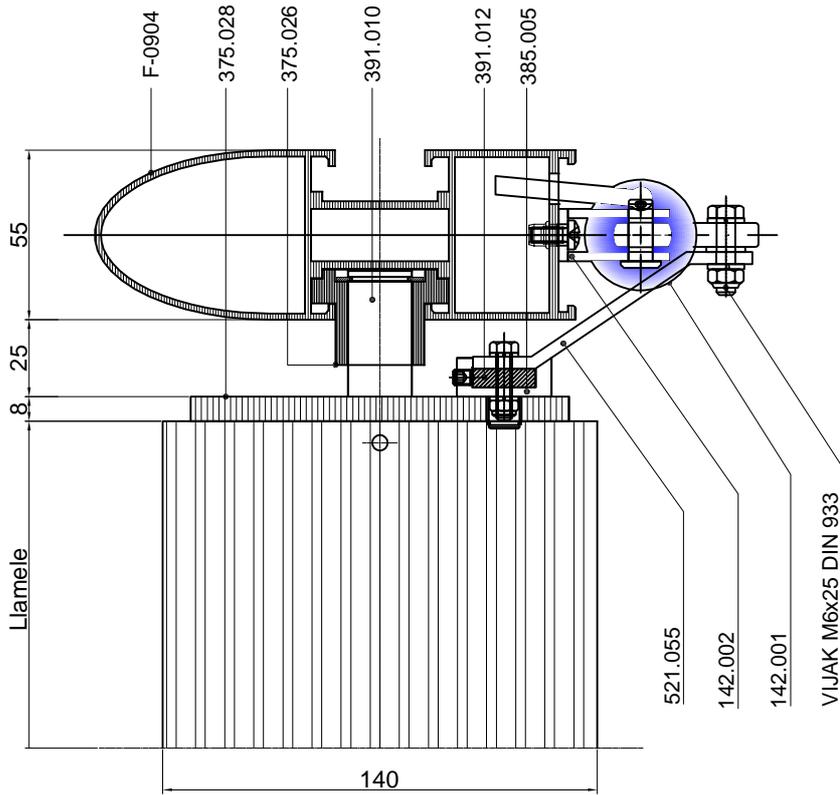
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375.034		- Bočni poklopac za lamelu 400 mm na pogonskom dijelu - Stara oznaka D-400/P - Par (L+D)	PVC	
375.035		- Bočni poklopac za lamelu 400 mm - Stara oznaka D-400	PVC	
391.013		- Umetak za spajanje lamele od 400 mm - Stara oznaka DL-200	Al.	
391.014		- Umetak za spajanje lamele od 400 mm - Stara oznaka DL-200/A	Al.	
375.036		- Umetak za spajanje lamele od 400 mm - Stara oznaka PV-400	PVC	
371.002 371.003 371.004 371.005		- Umetak - Stara oznaka: U-PB (l=47 mm), za staklene brisoleje 371.002 U-PB (l=81 mm), za lamelu 220 mm 371.003 U-PB (l=151 mm), za lamelu 300 371.004 U-PB (l=261 mm), za lamelu 400 371.005	PVC	

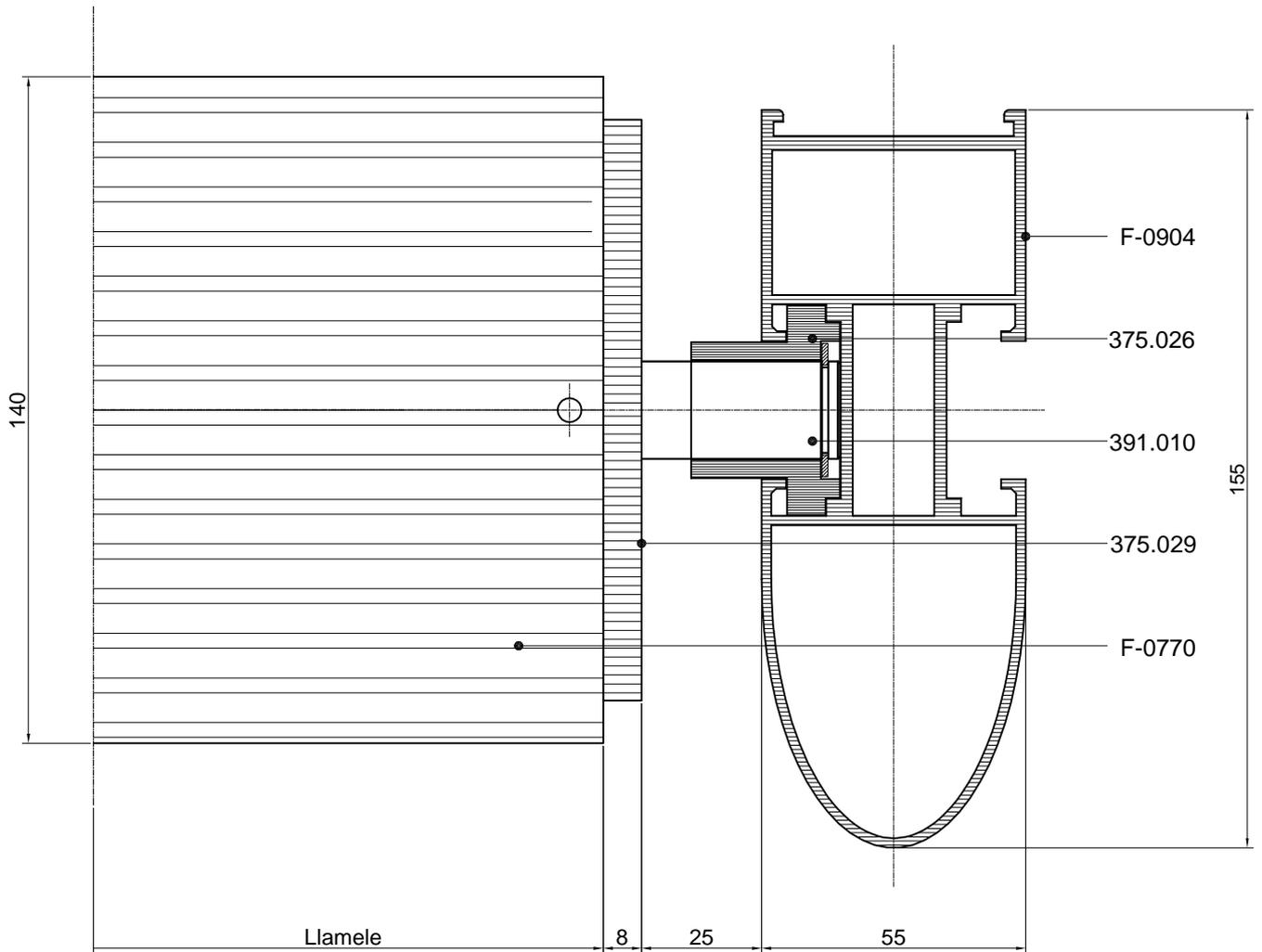
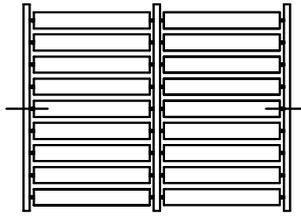
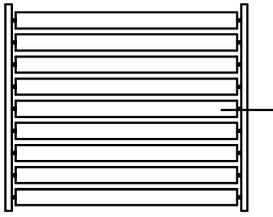
CODE	Izgled-presjek	Opis	Materijal	Nap.
385.005		- Veznik za spajanje poluge PZS-03 sa bočnim poklopcem na pogonskom dijelu; veza 391.012 sa 521.056 kod stakl. brisoleja - Stara oznaka ZSB-01	Zamak	
375.037		- Bočni čep profila F-0904 - Stara oznaka BC-55/155	PVC	
521.056		- Prijenosnik za vezu držač stakla-prijenosnik 391.012 kod staklenih brisoleja - Stara oznaka P-SB-02	INOX	
375.038		- Držač stakla; par - Stara oznaka DS-01	PVC	
391.015		- Držač stakla (200 mm); par - Stara oznaka DS-200	Al.	
391.016		- Prenosna osovina; l=64 mm - Stara oznaka P-SB-01	Al.	

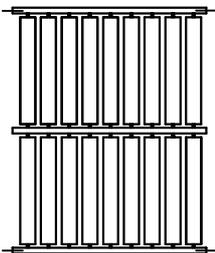
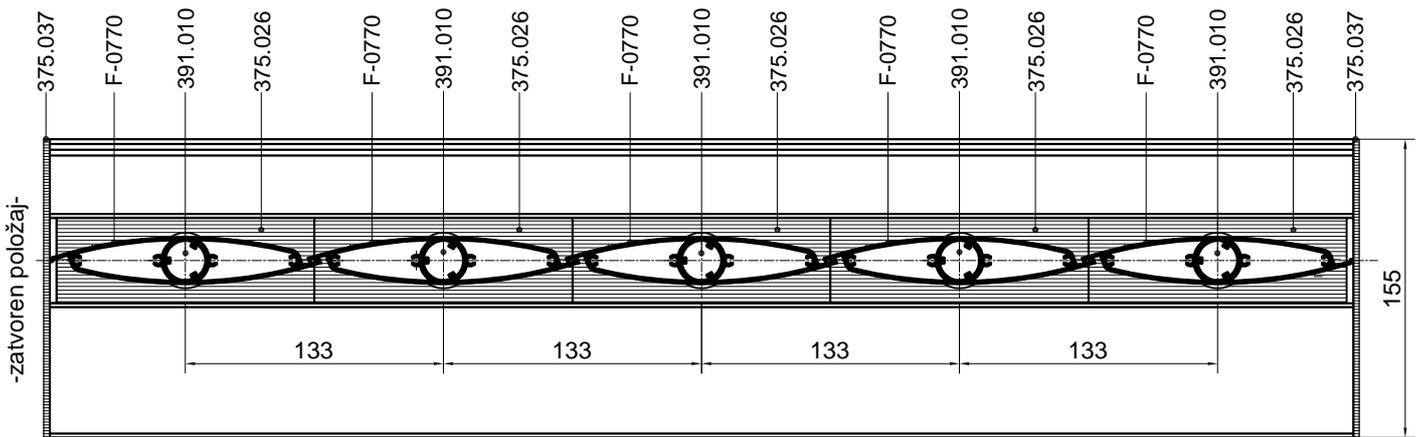
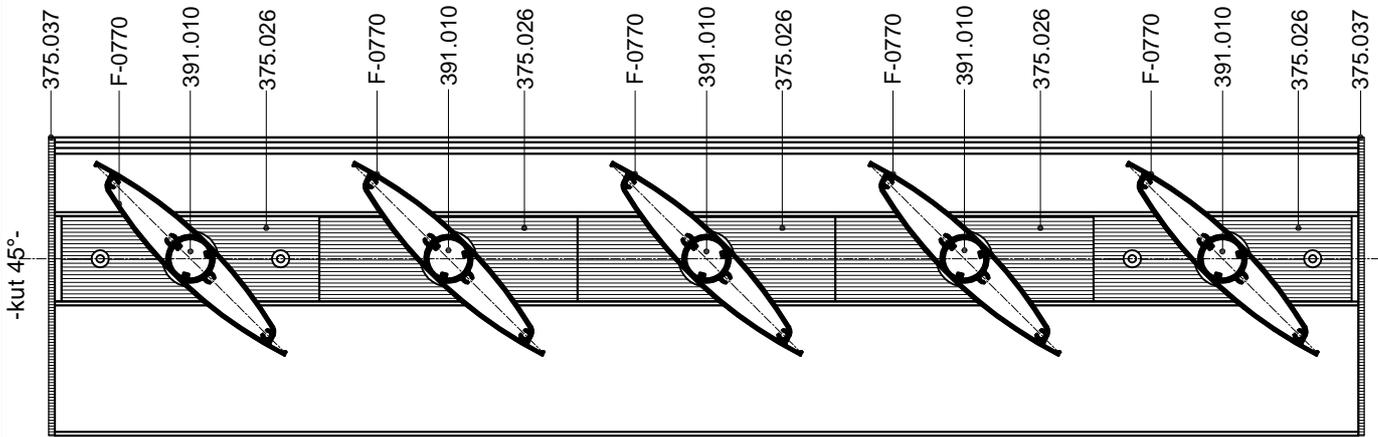
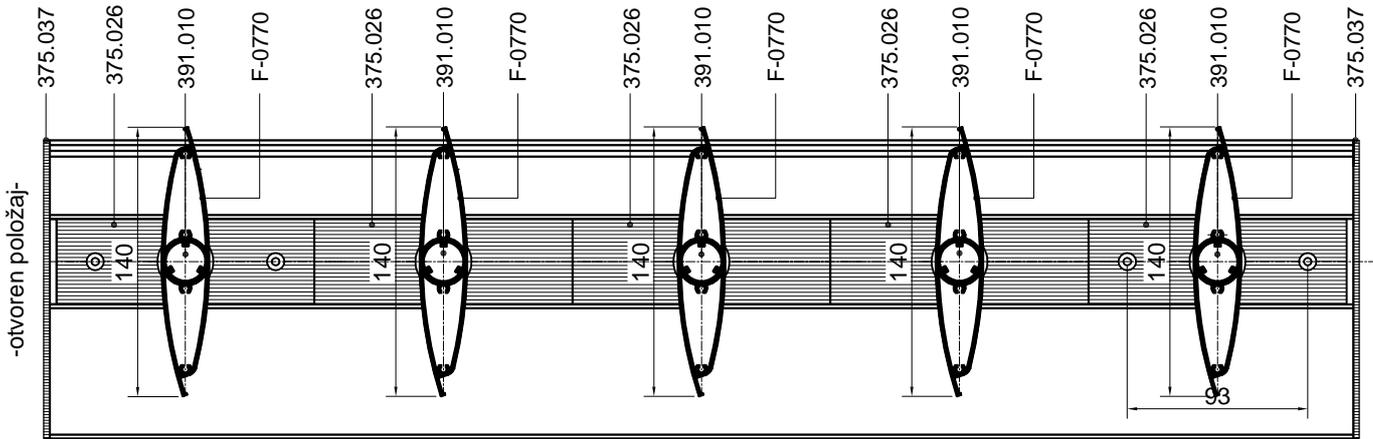
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142.001		<ul style="list-style-type: none"> - Motor za otvaranje-zatvaranje lamela - Stara oznaka GU "ELTRAL S-60" - Stupanj zaštite <u>IP 65</u> 		
142.002		<ul style="list-style-type: none"> - Držać motora GU "ELTRAL S-60" - Stara oznaka ELTRAL-LKS98, LKS-T (9-39102-00-0-1) 		
142.003		<ul style="list-style-type: none"> - Montažni vijak motora GU "ELTRAL S-60" - Stara oznaka (9-40097-08-0-1) 		
140.032		<ul style="list-style-type: none"> - Motor za otvaranje-zatvaranje lamela - Stara oznaka APRILINEARE (43520/006) - Stupanj zaštite <u>IP 65</u> 		

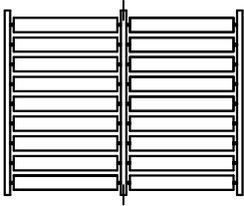
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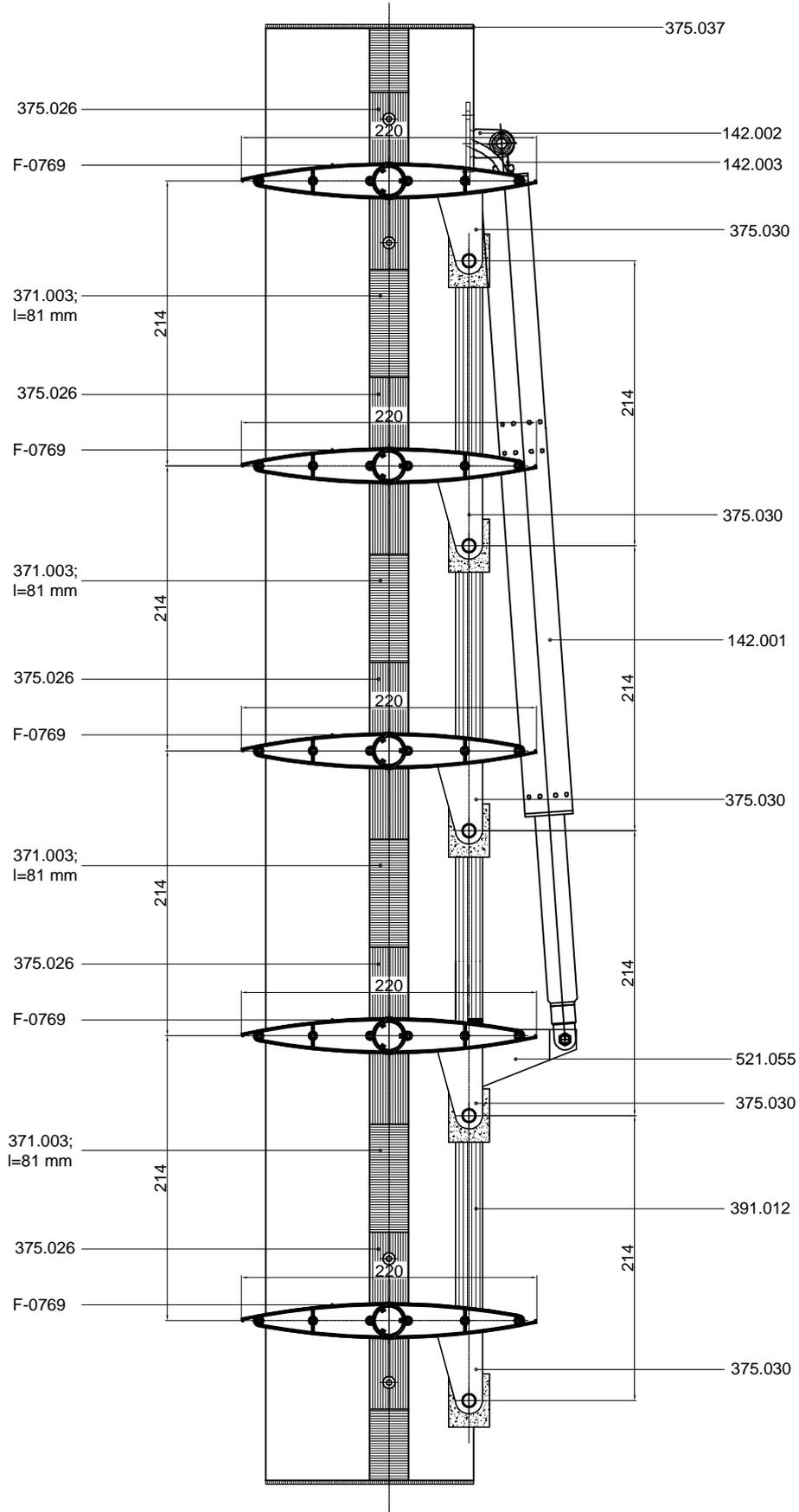


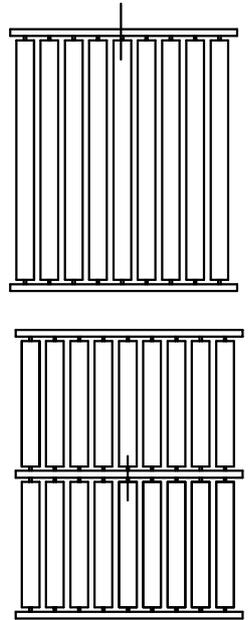
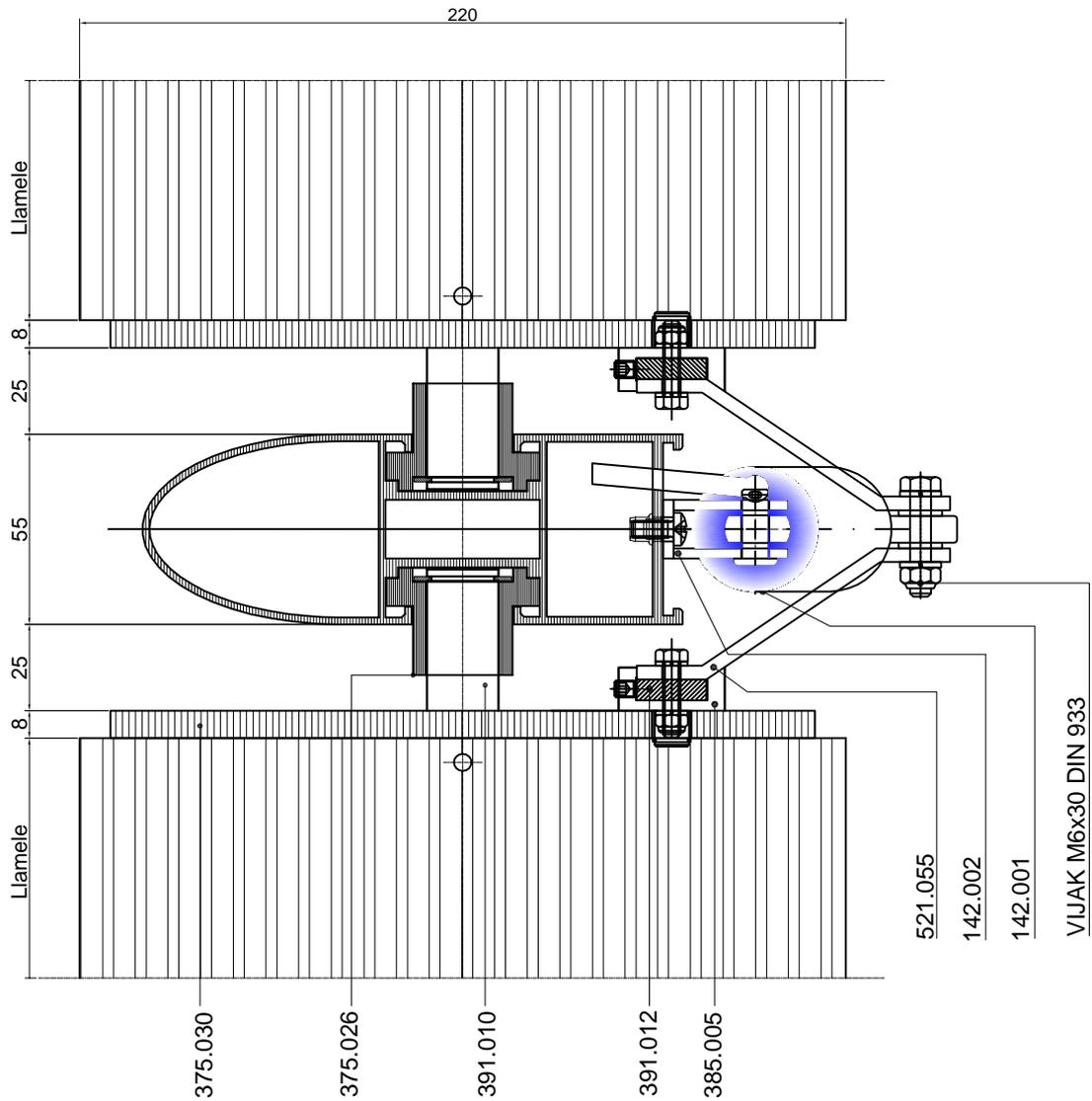
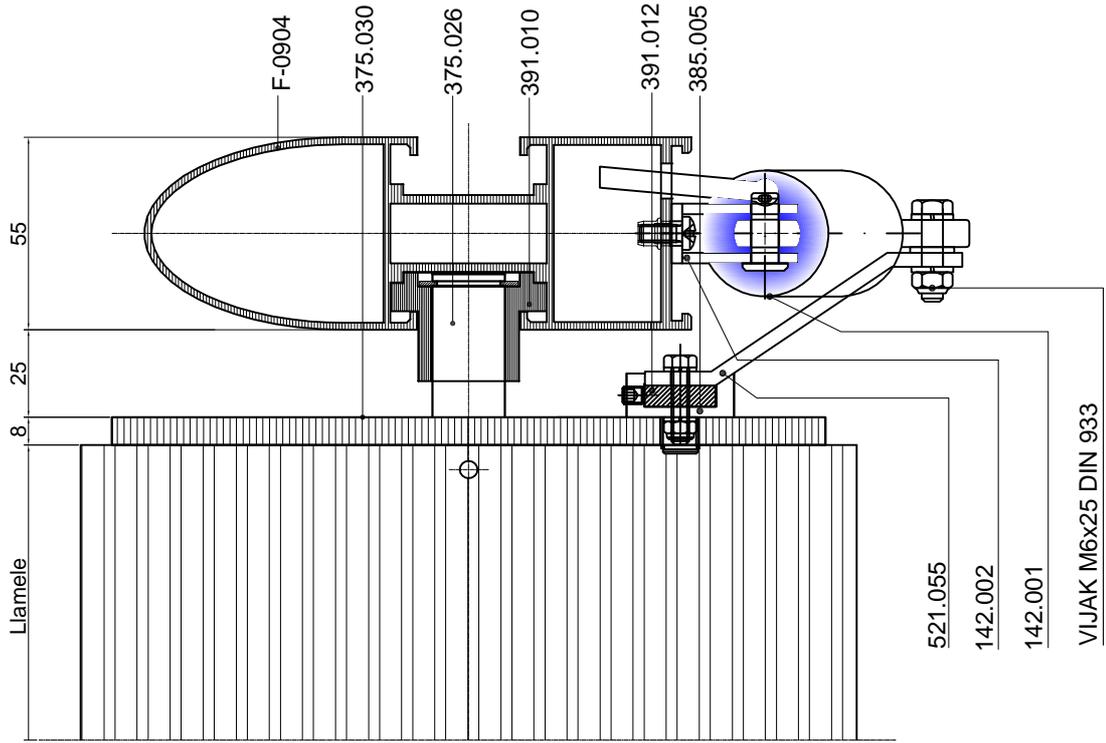


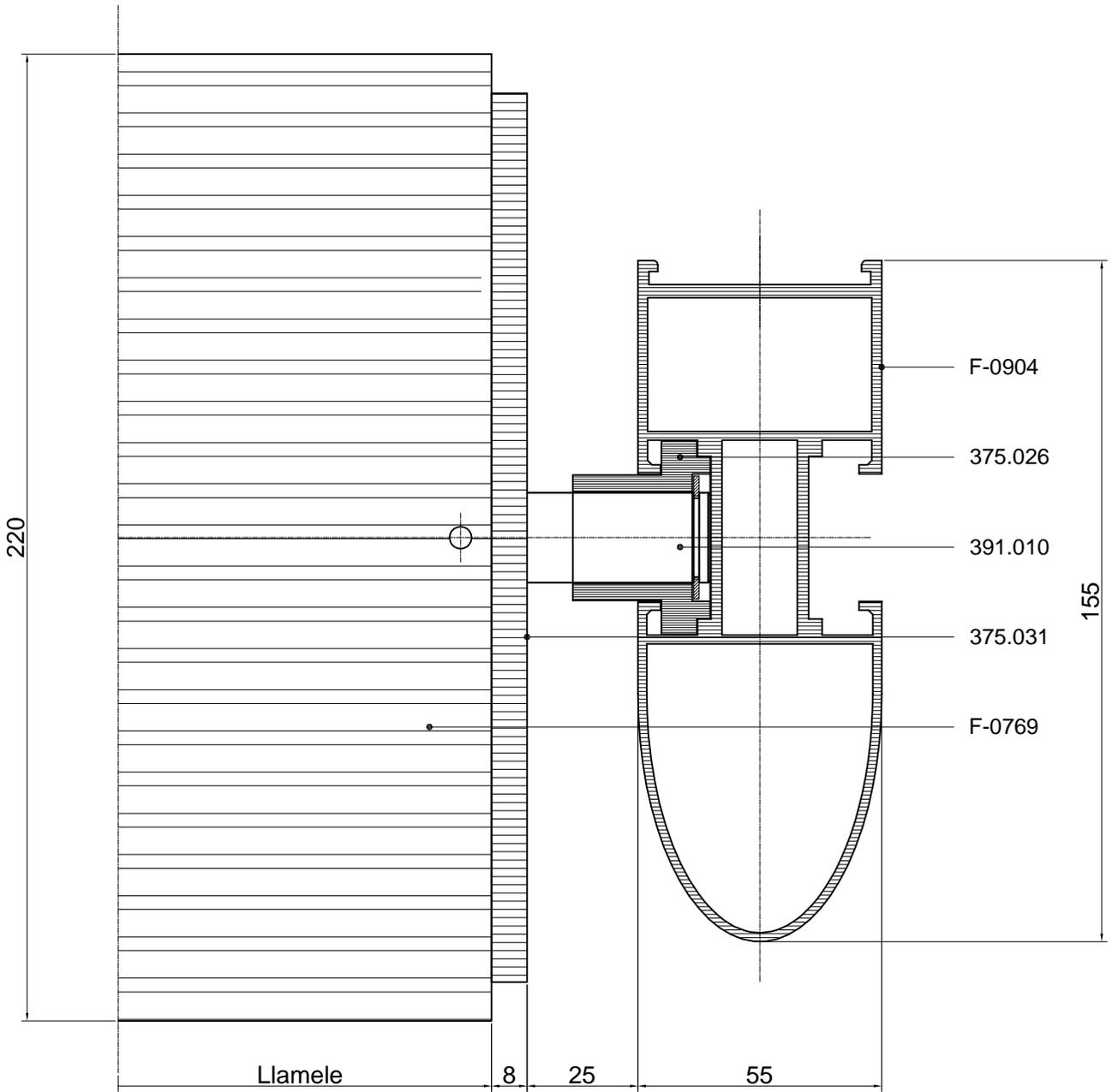
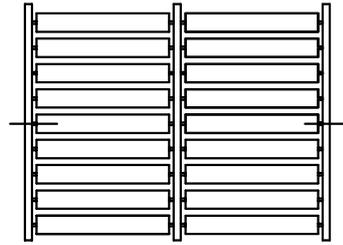
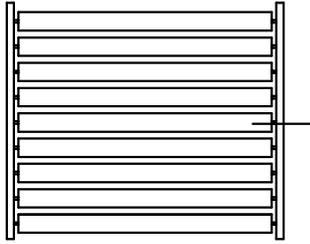




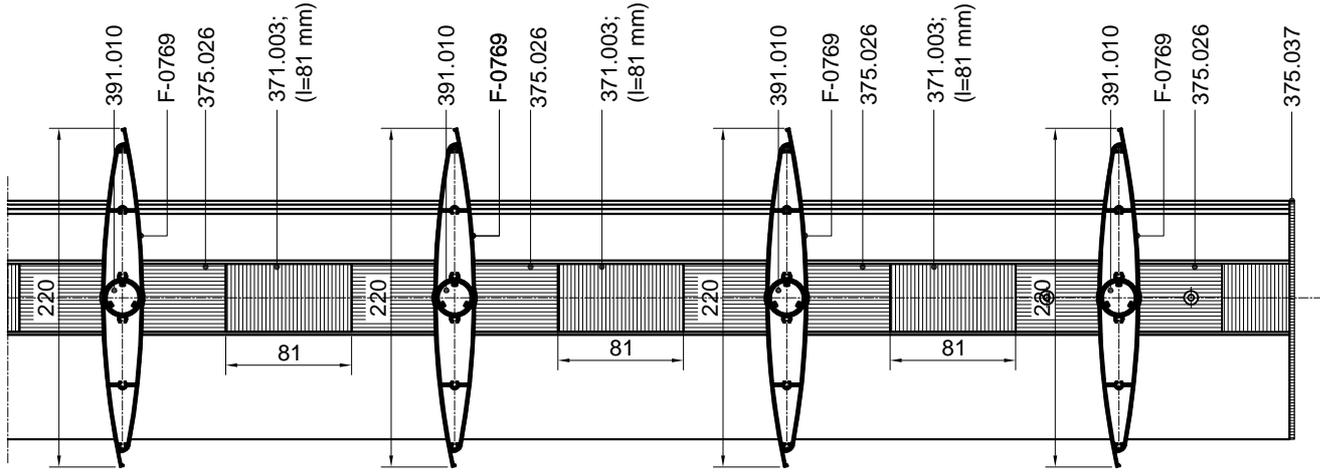
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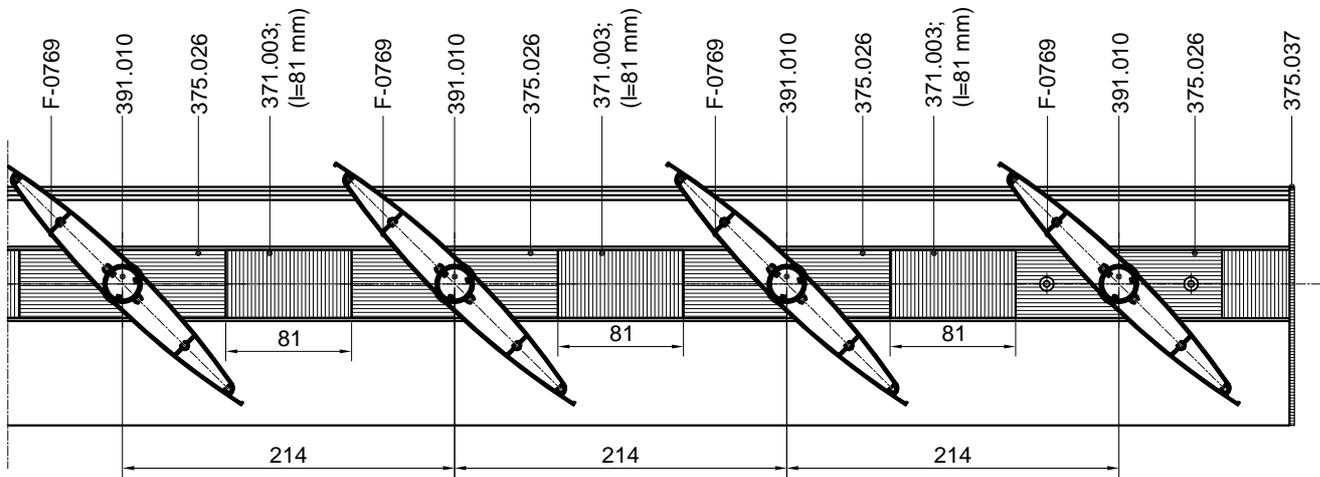




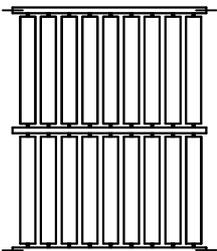
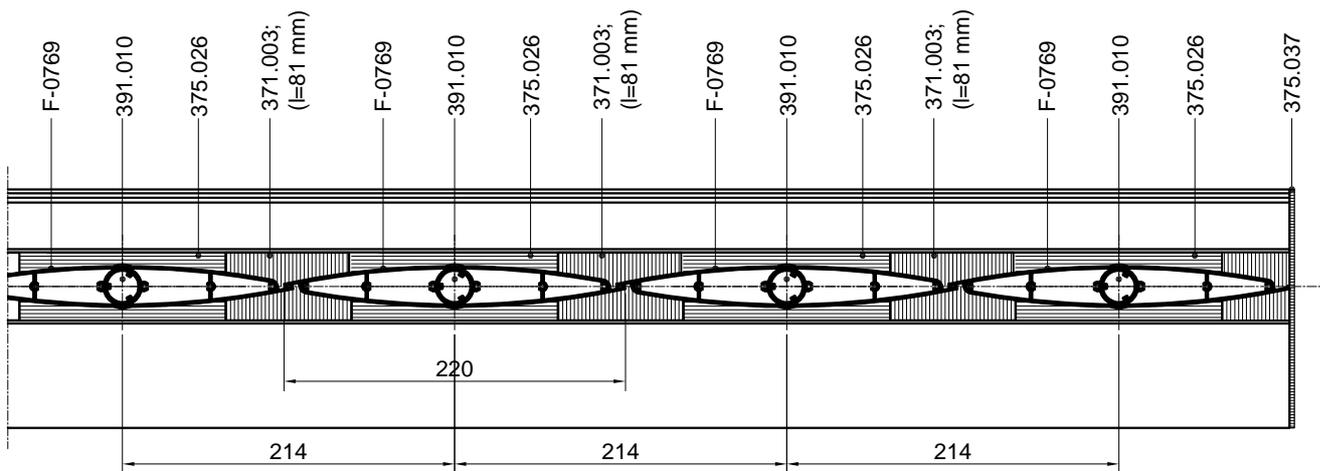
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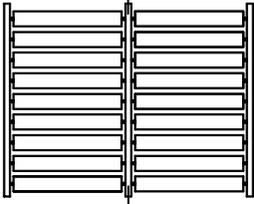


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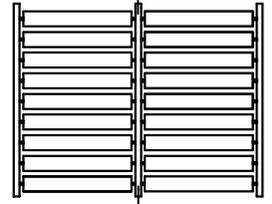


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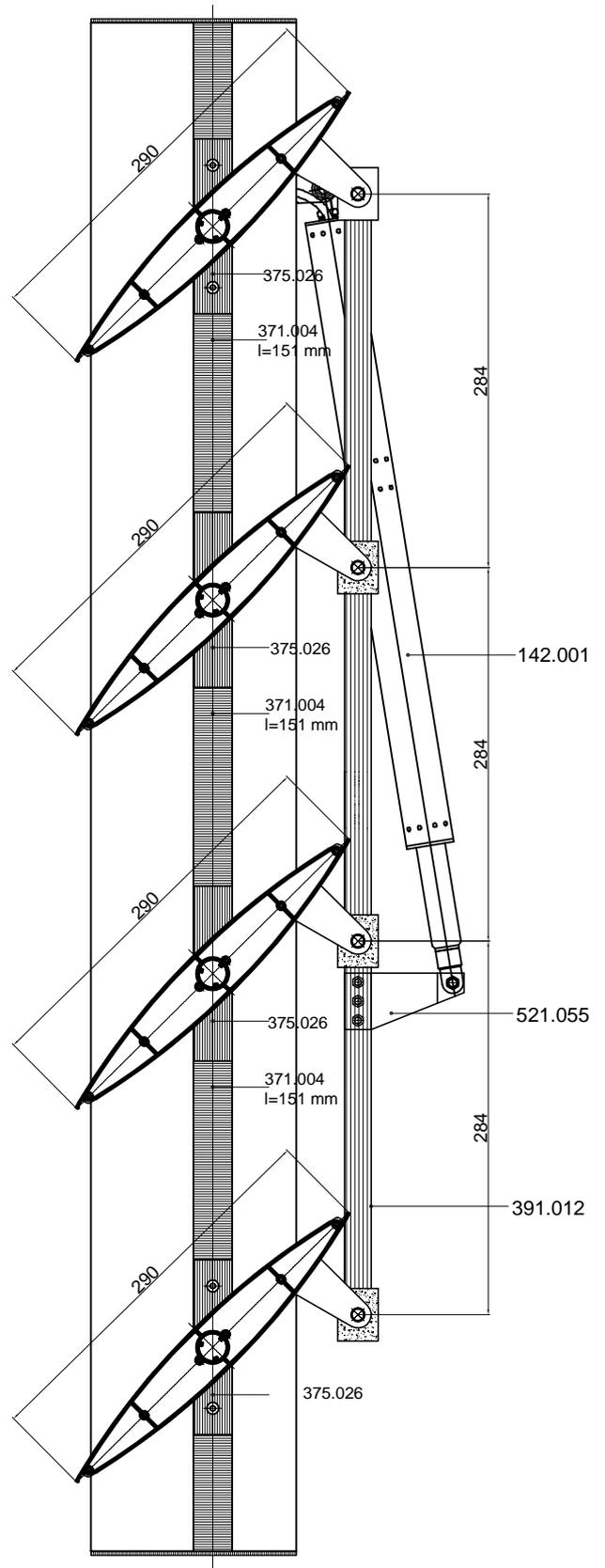
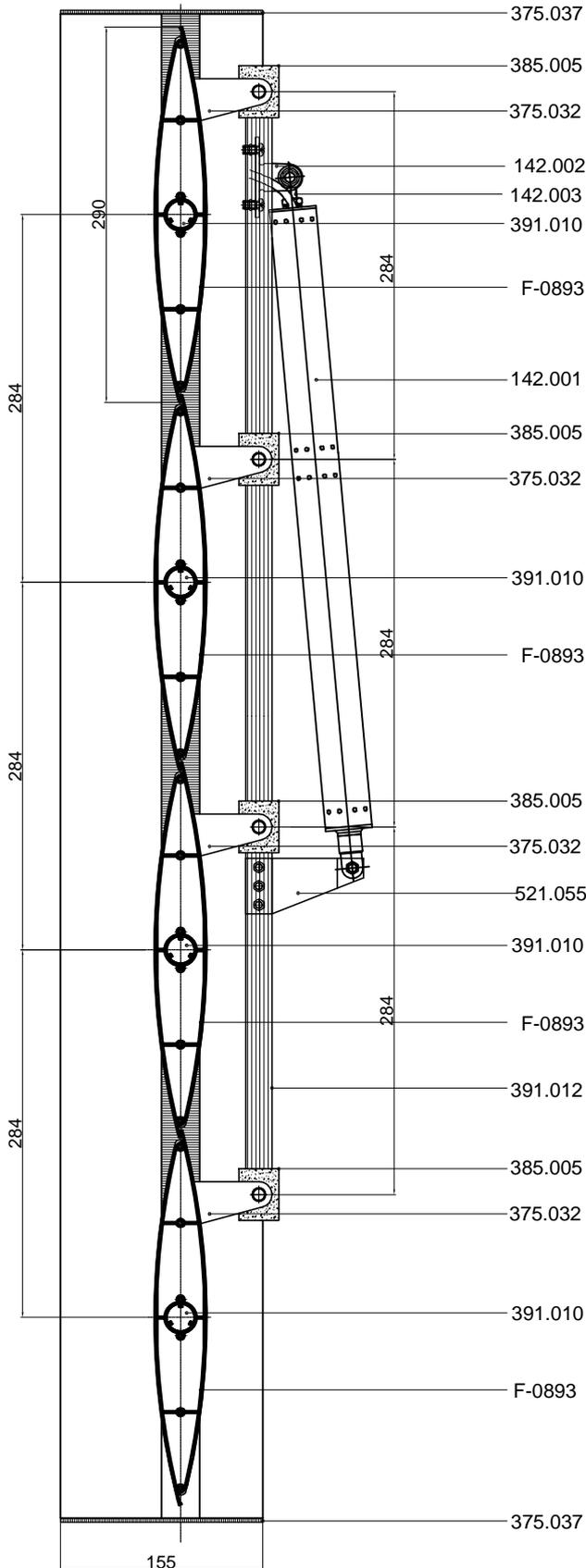


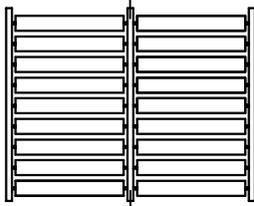


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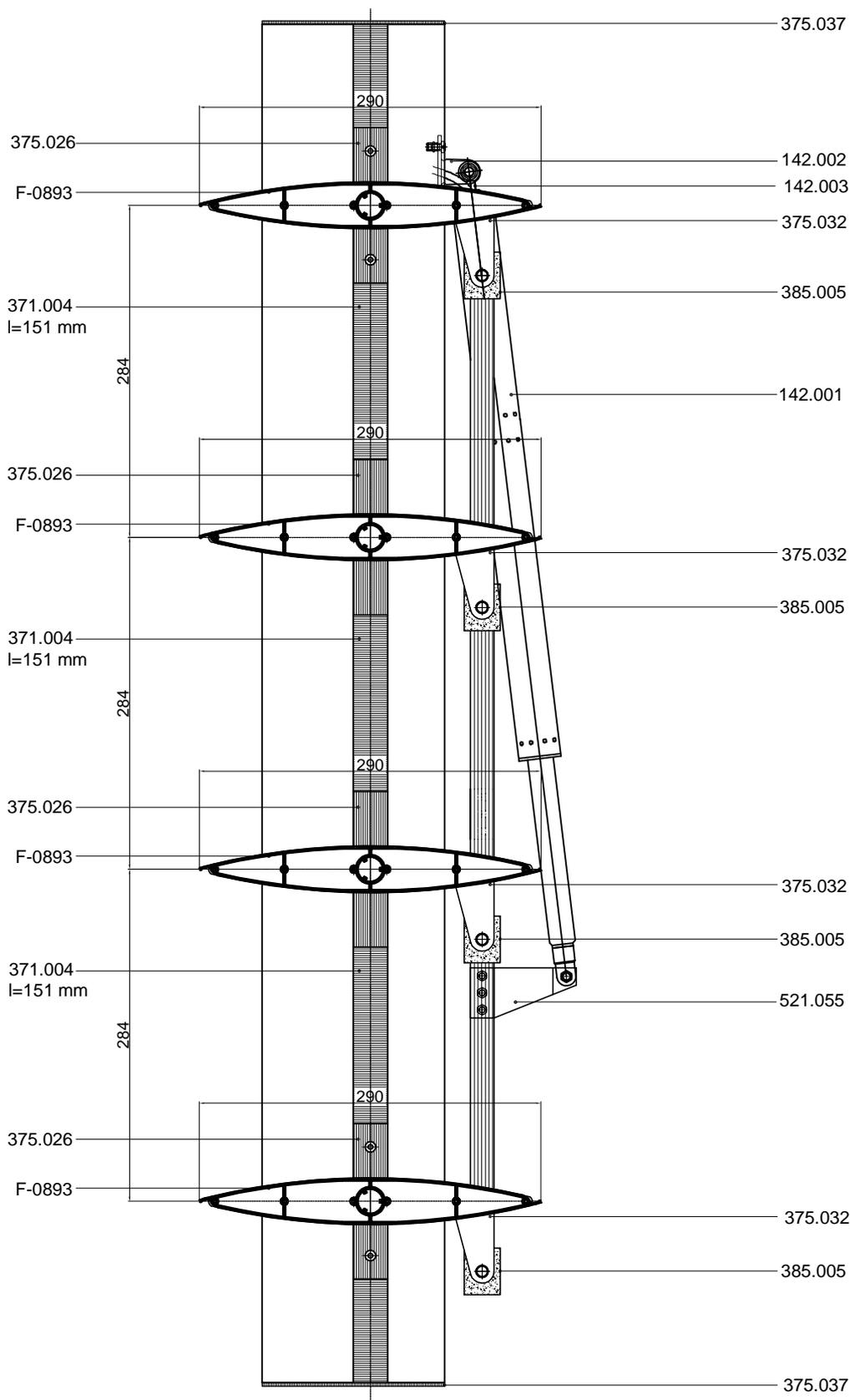


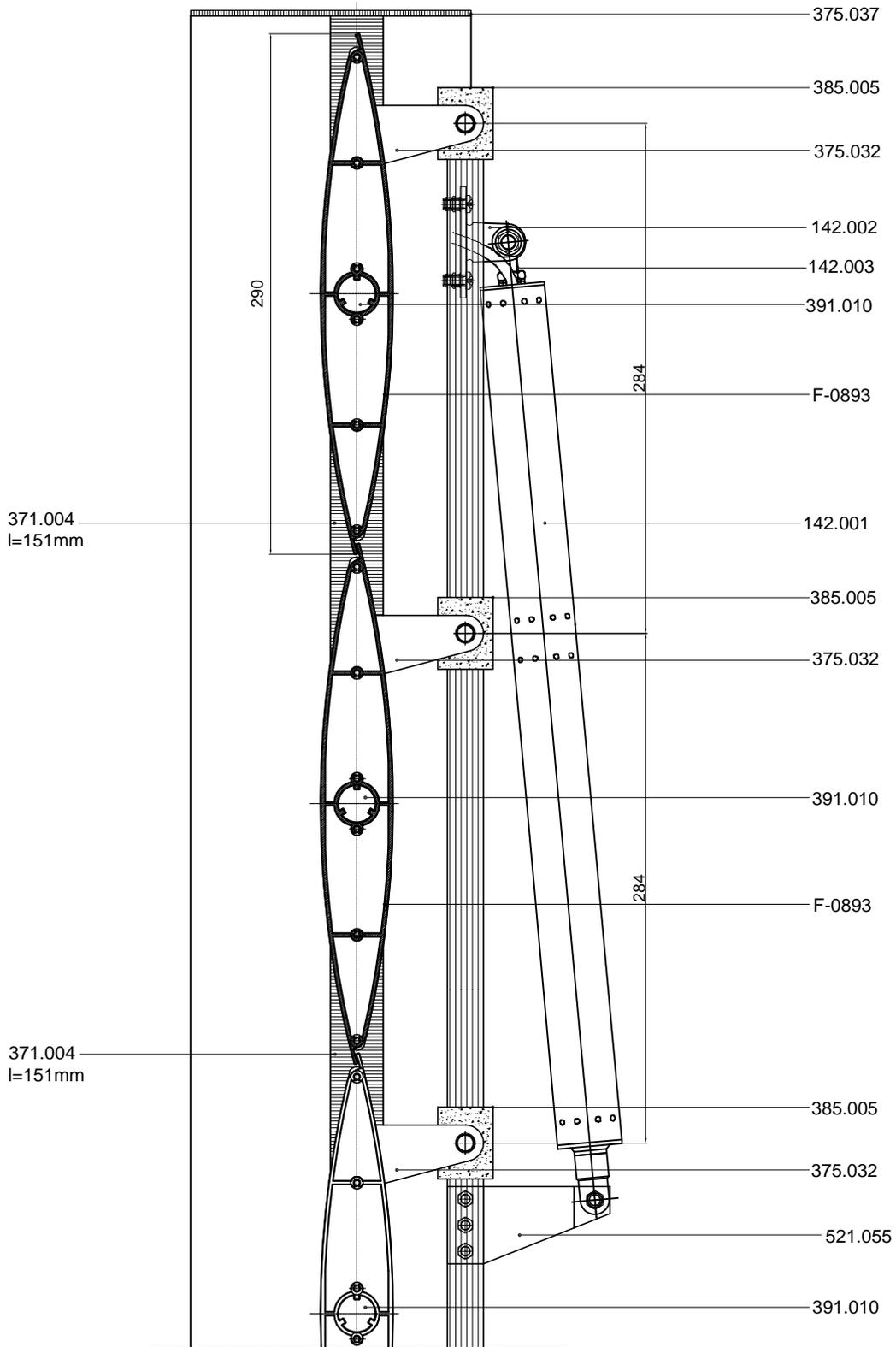
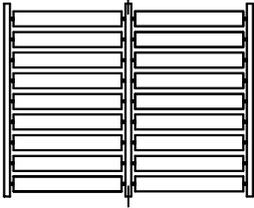
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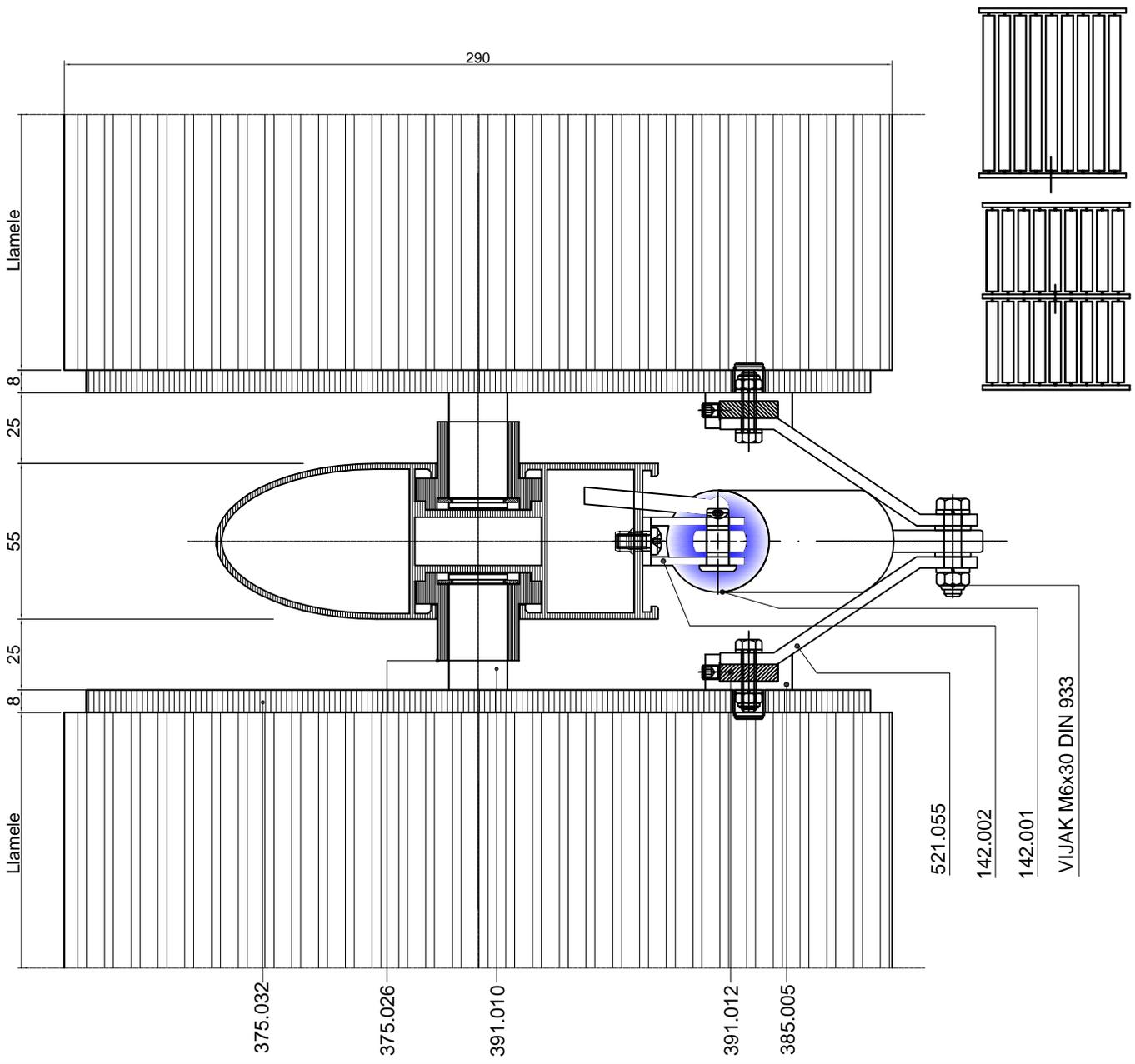
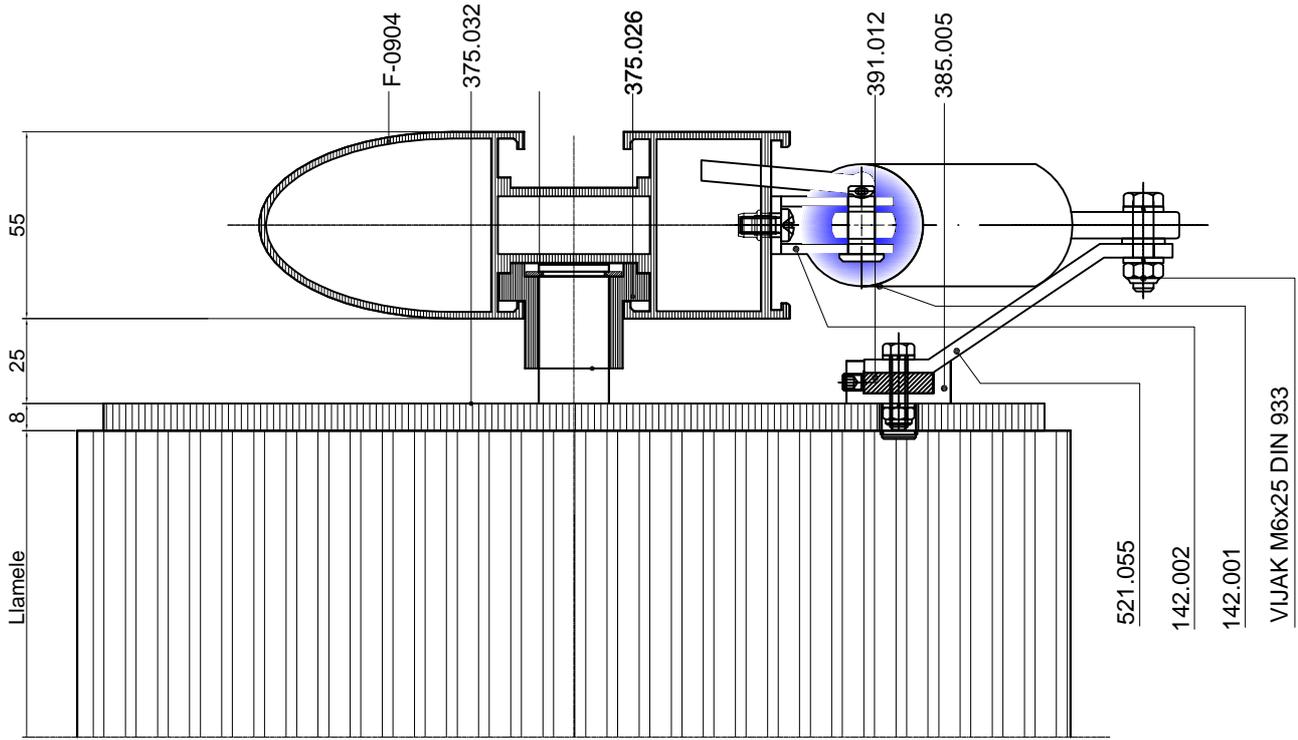


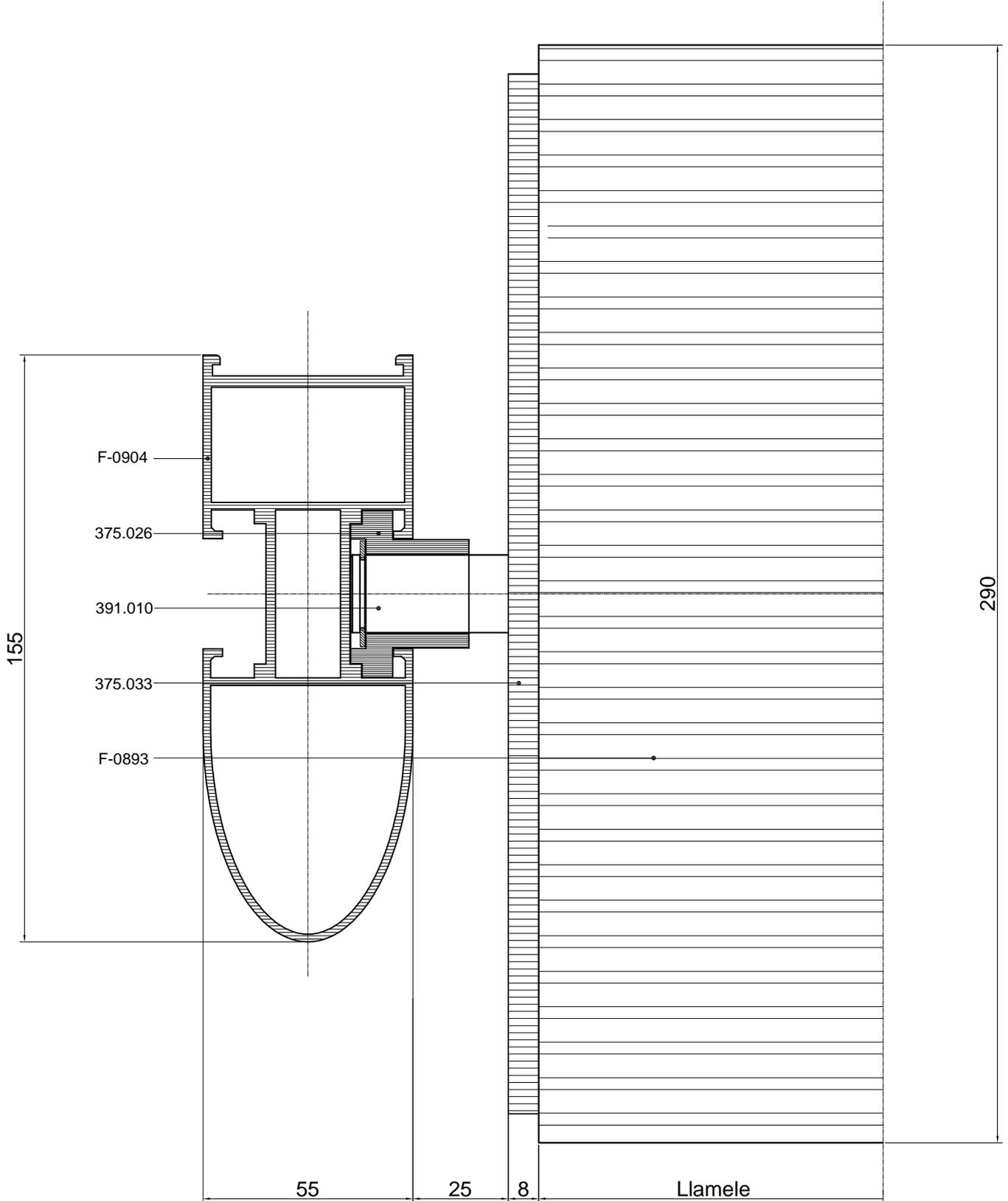
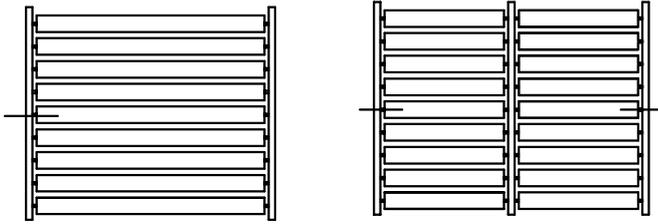


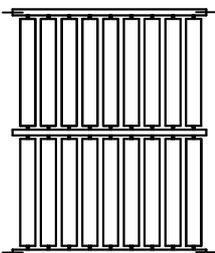
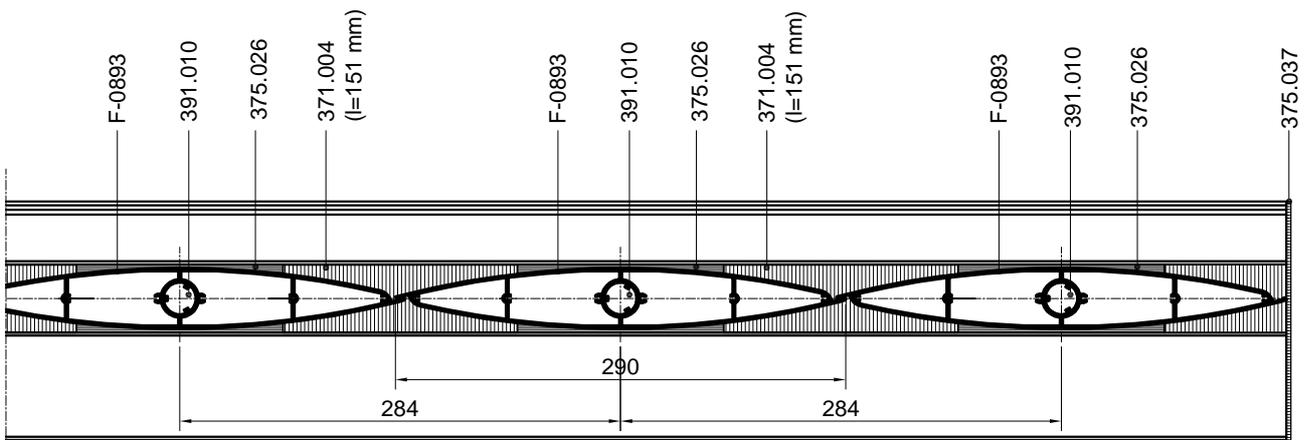
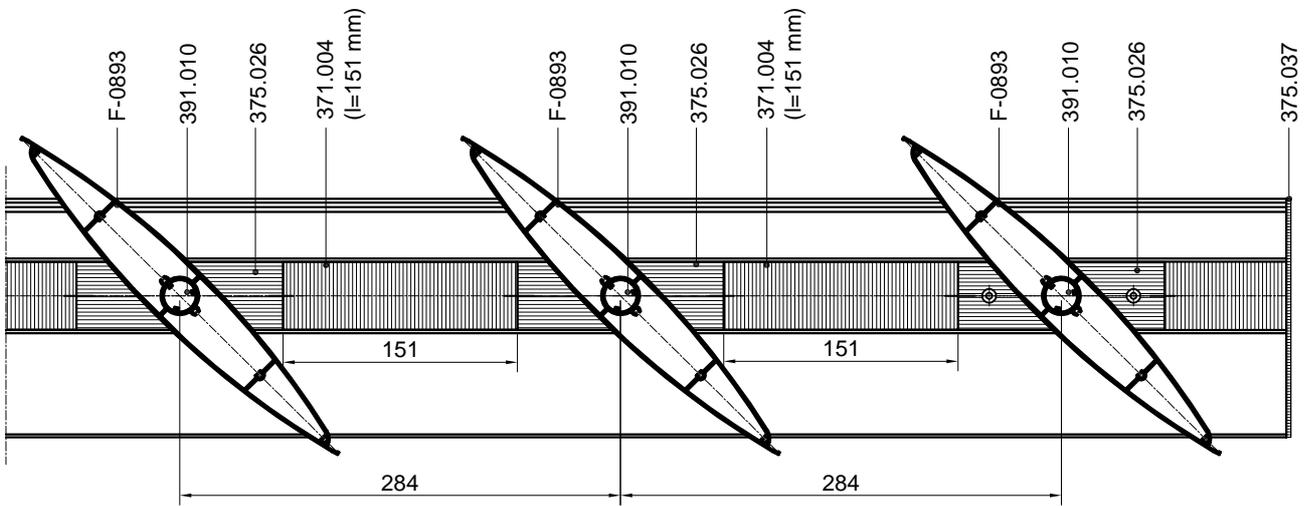
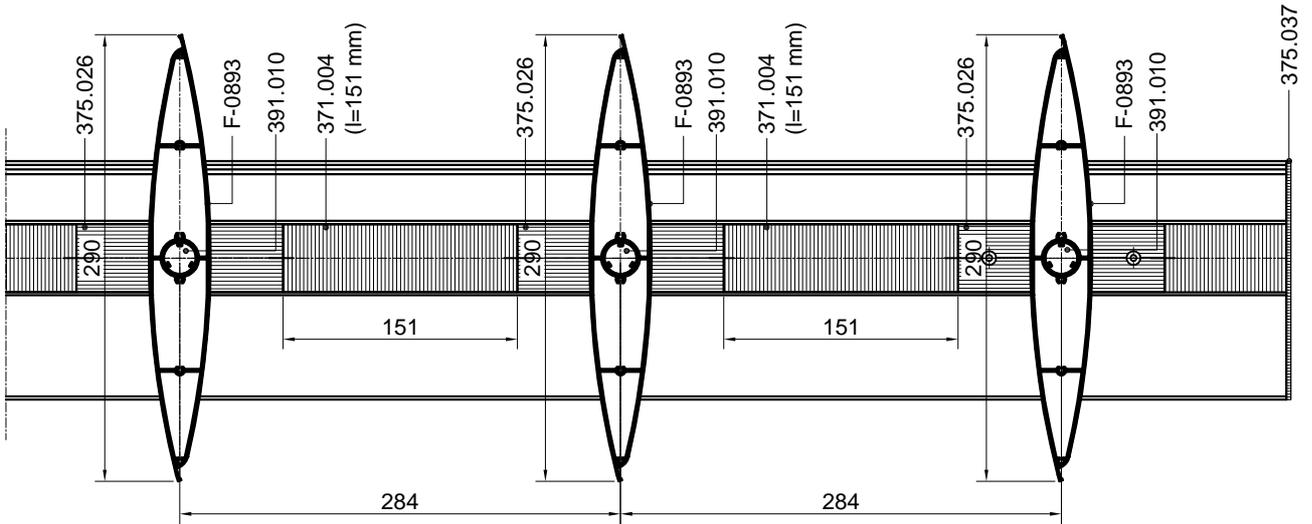
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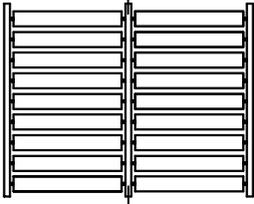




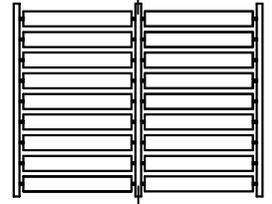




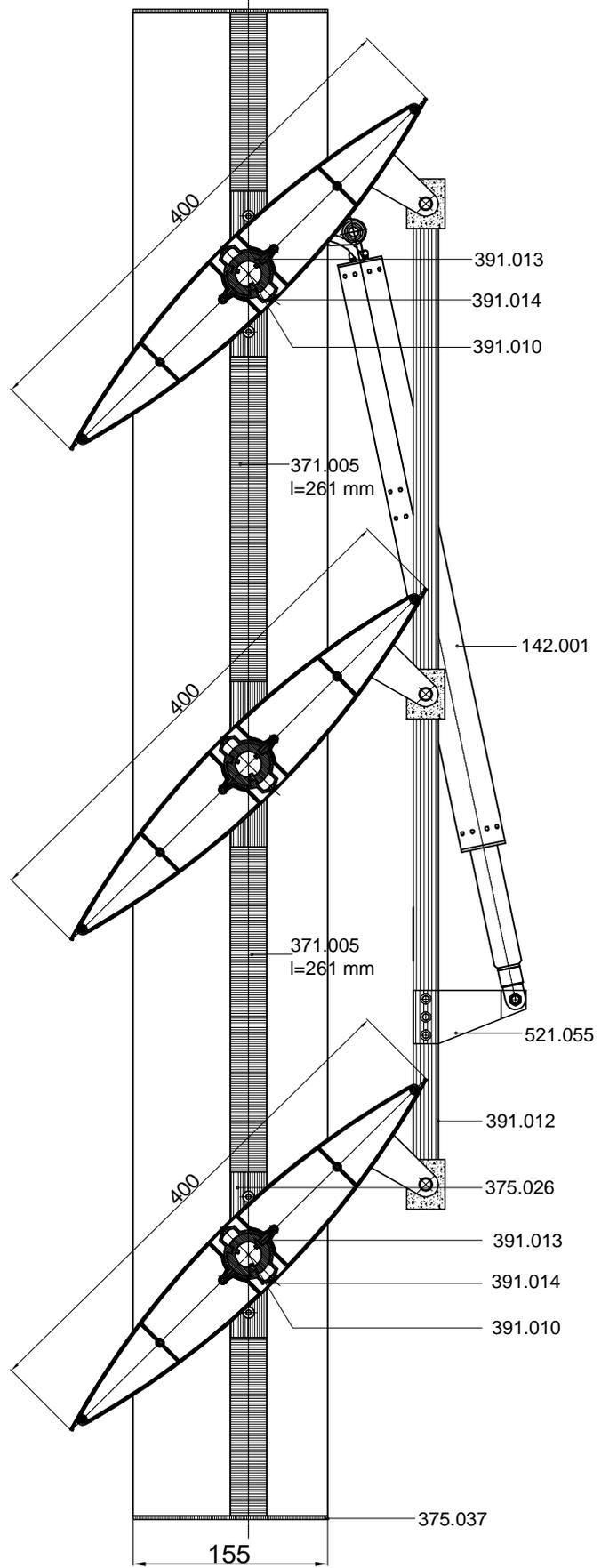
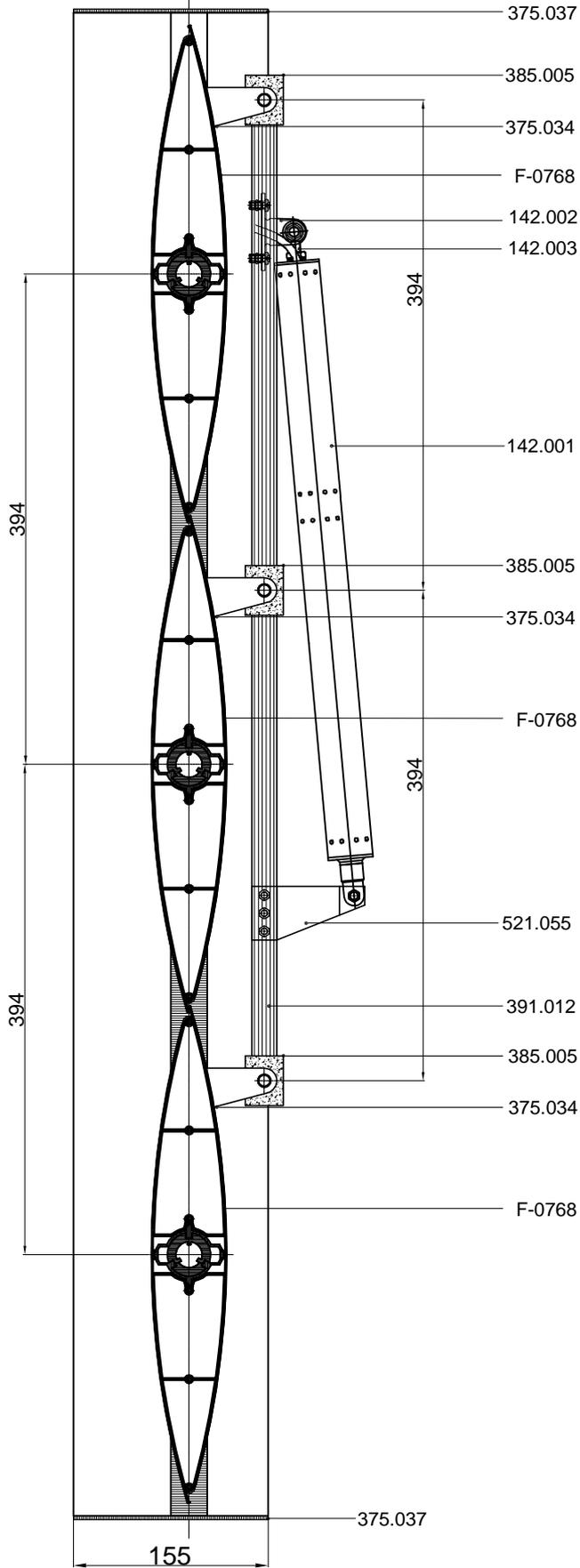


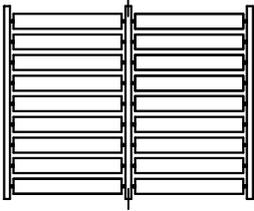


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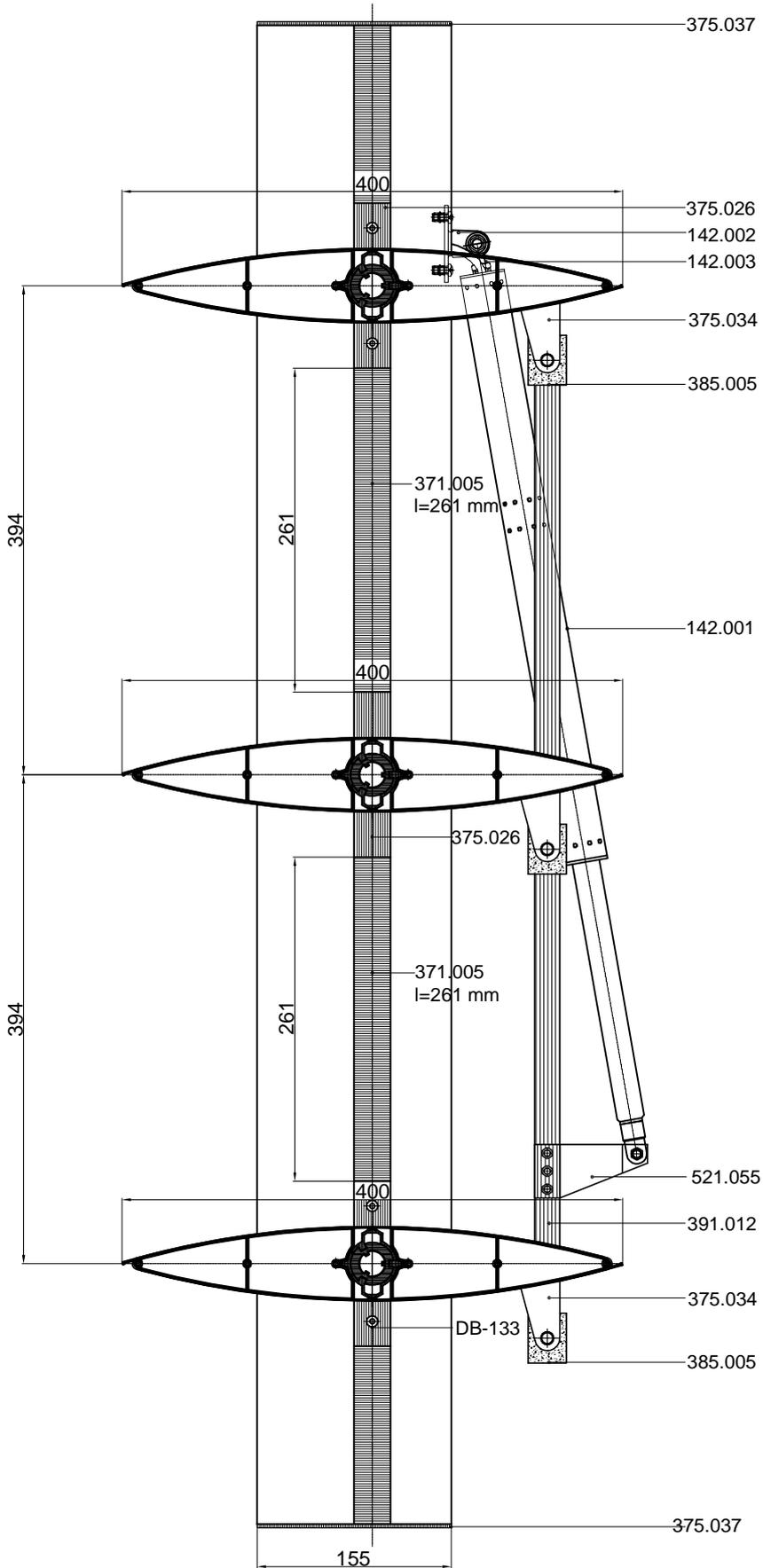


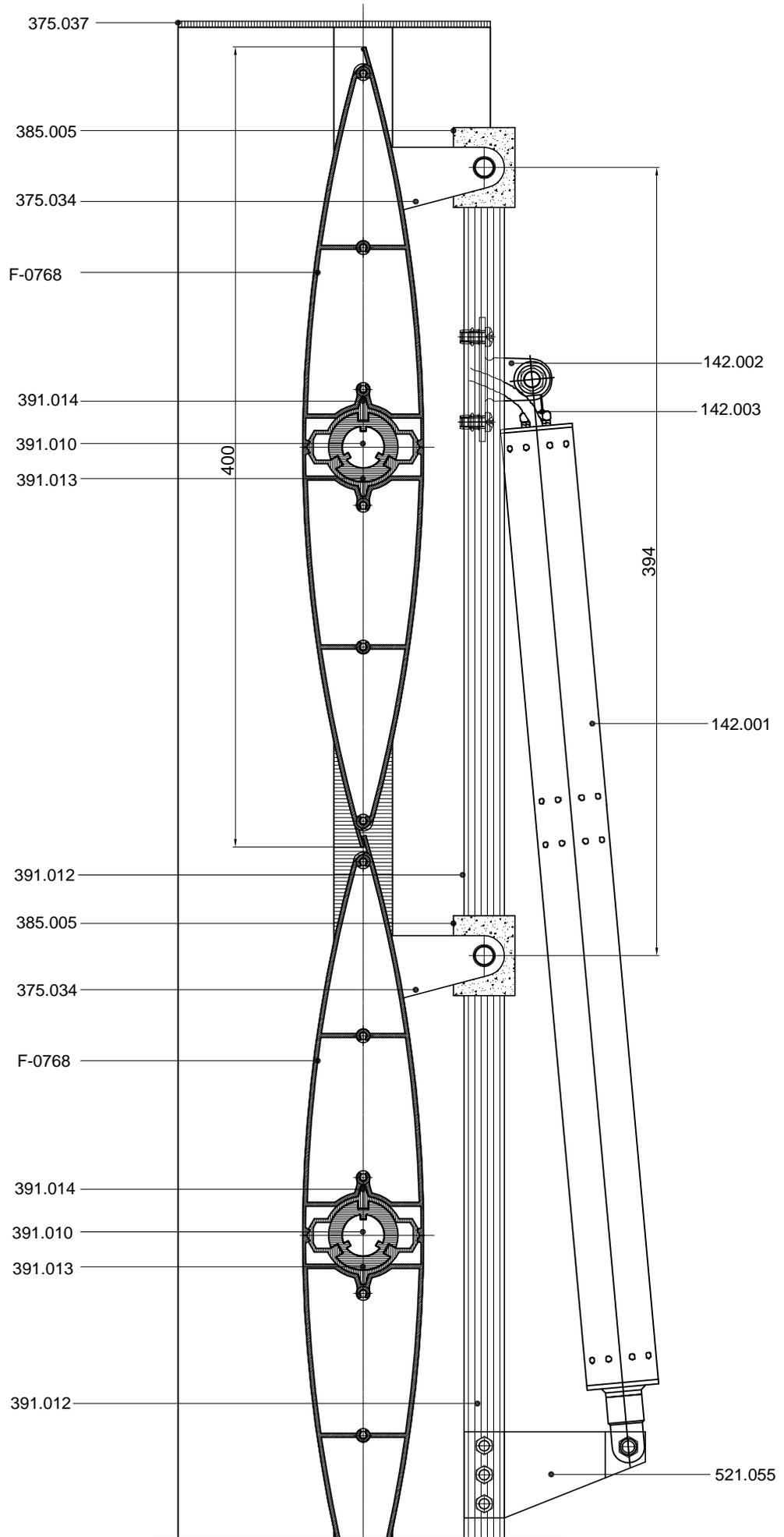
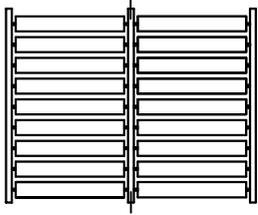
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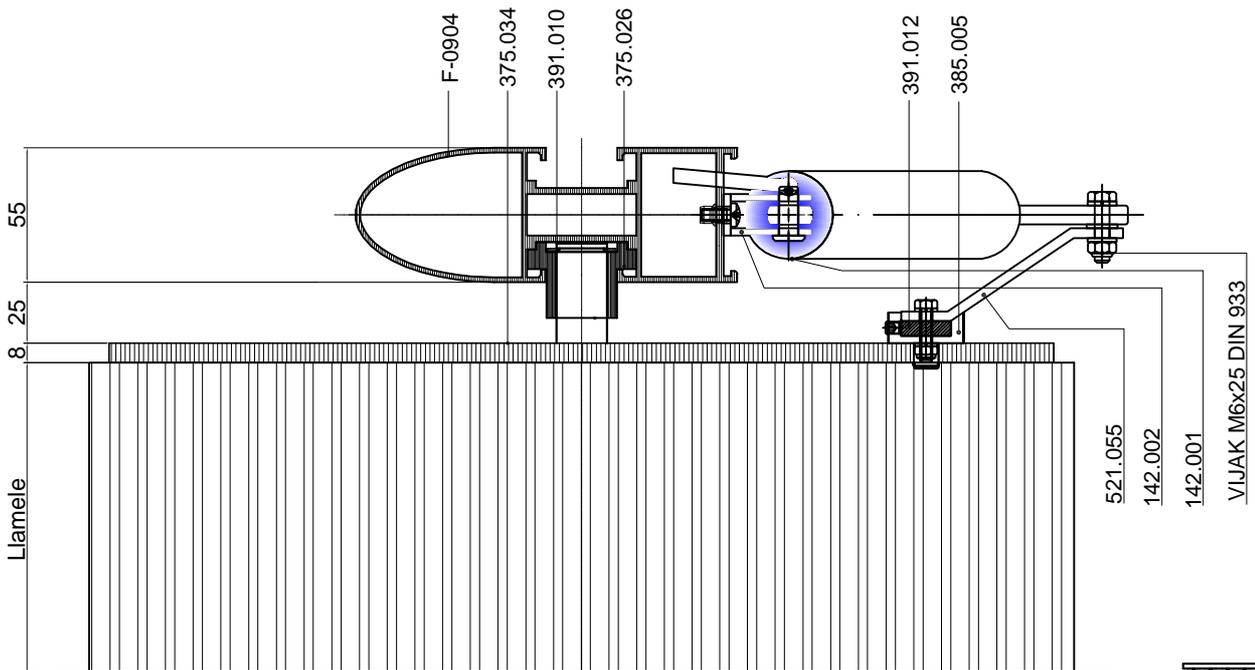




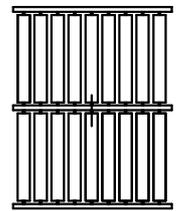
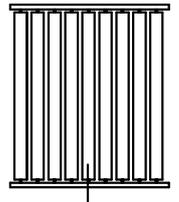
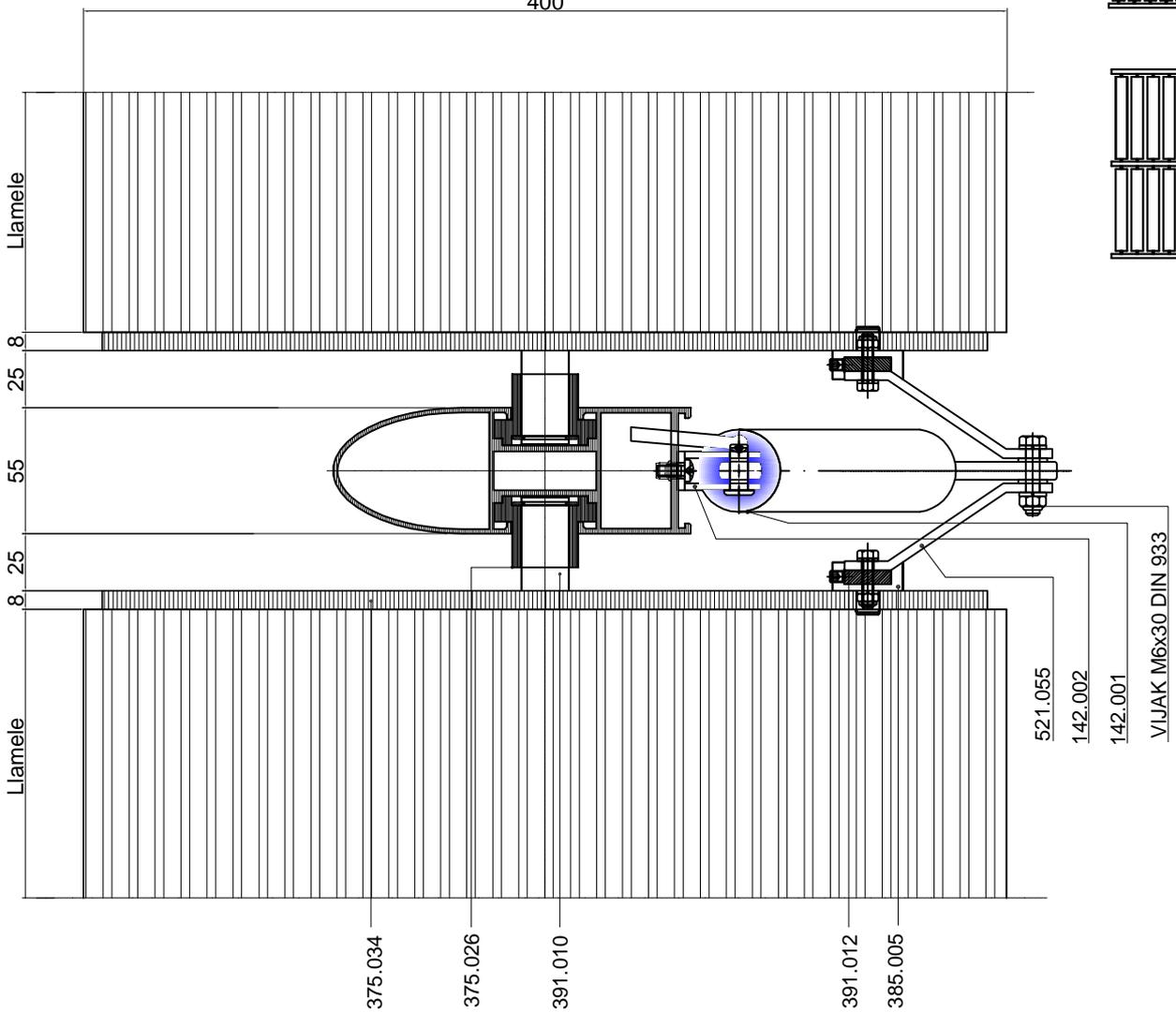
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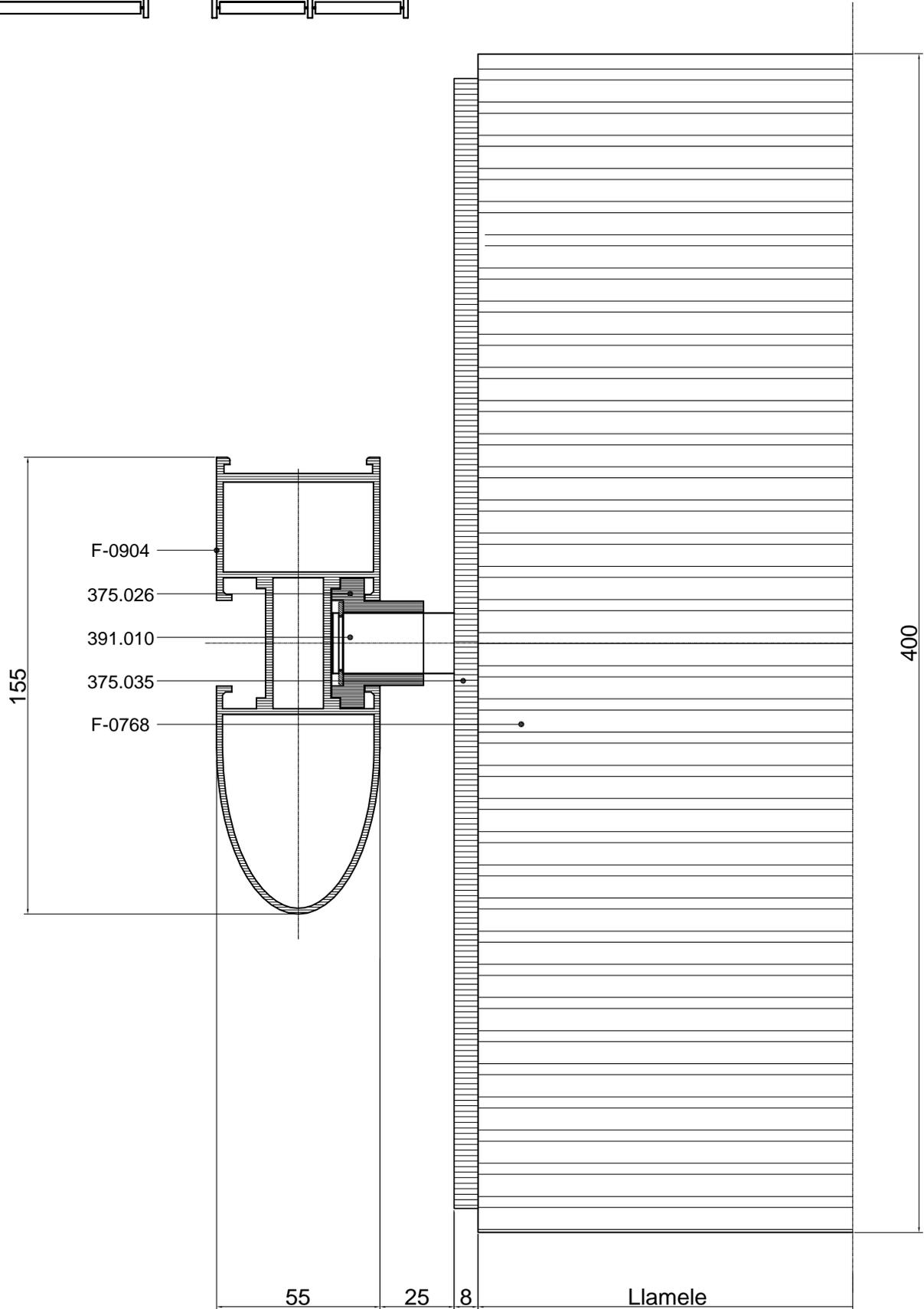
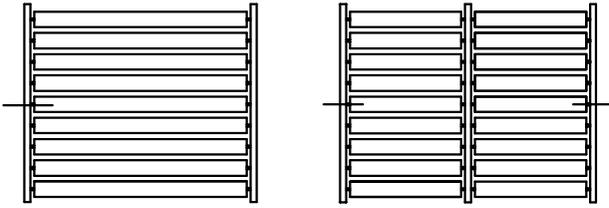


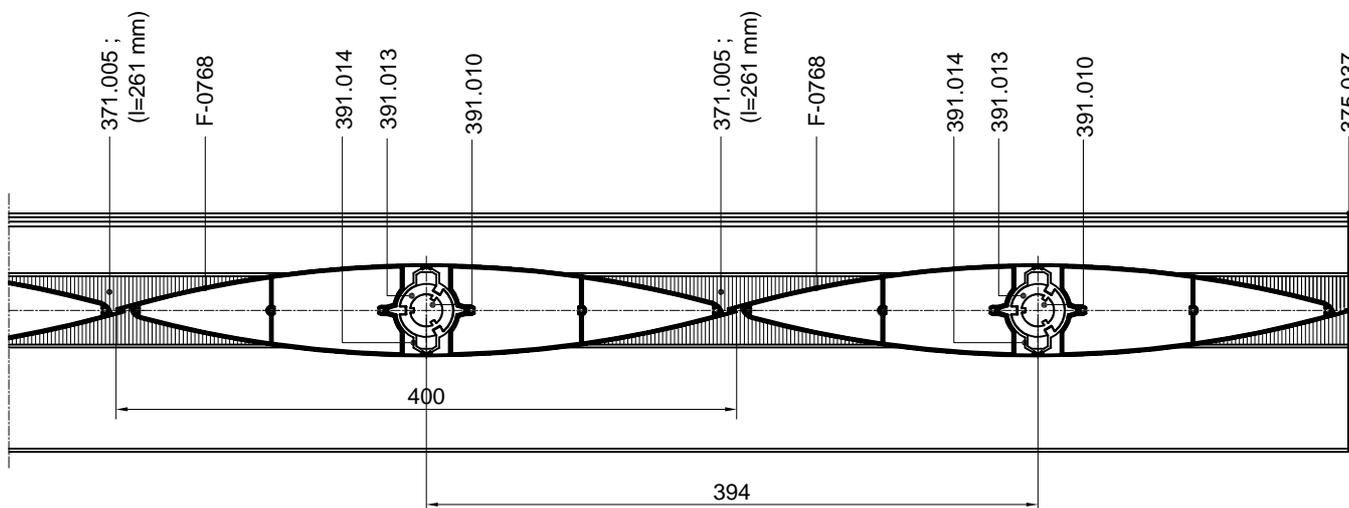
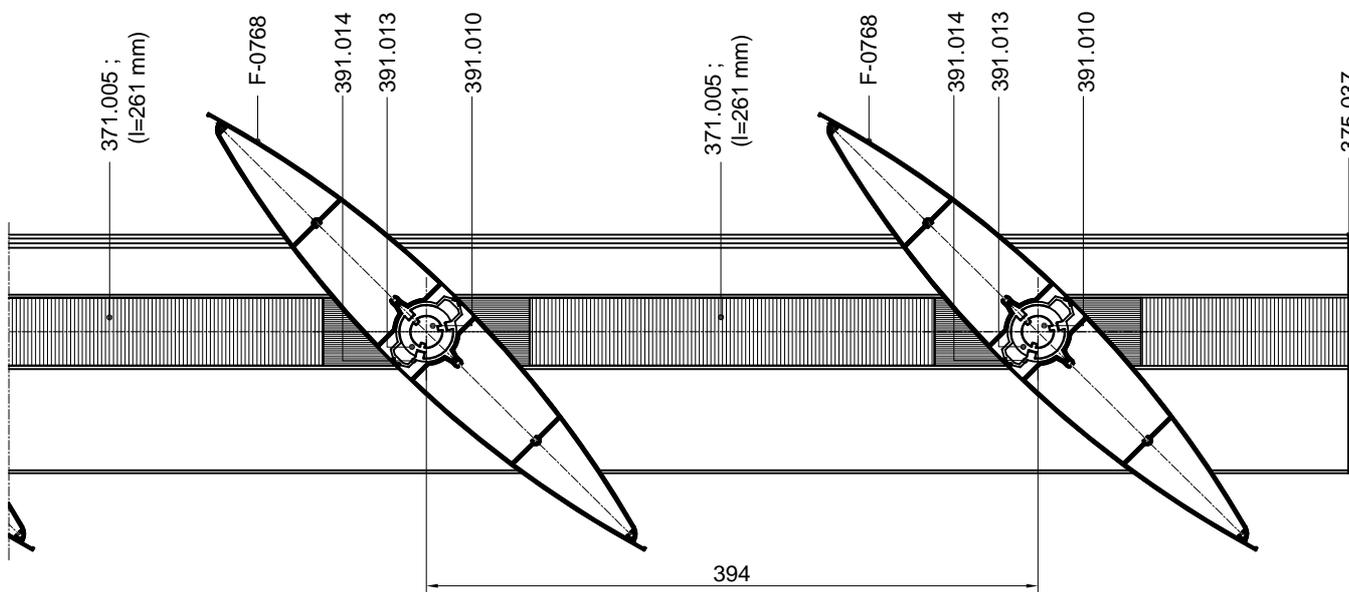
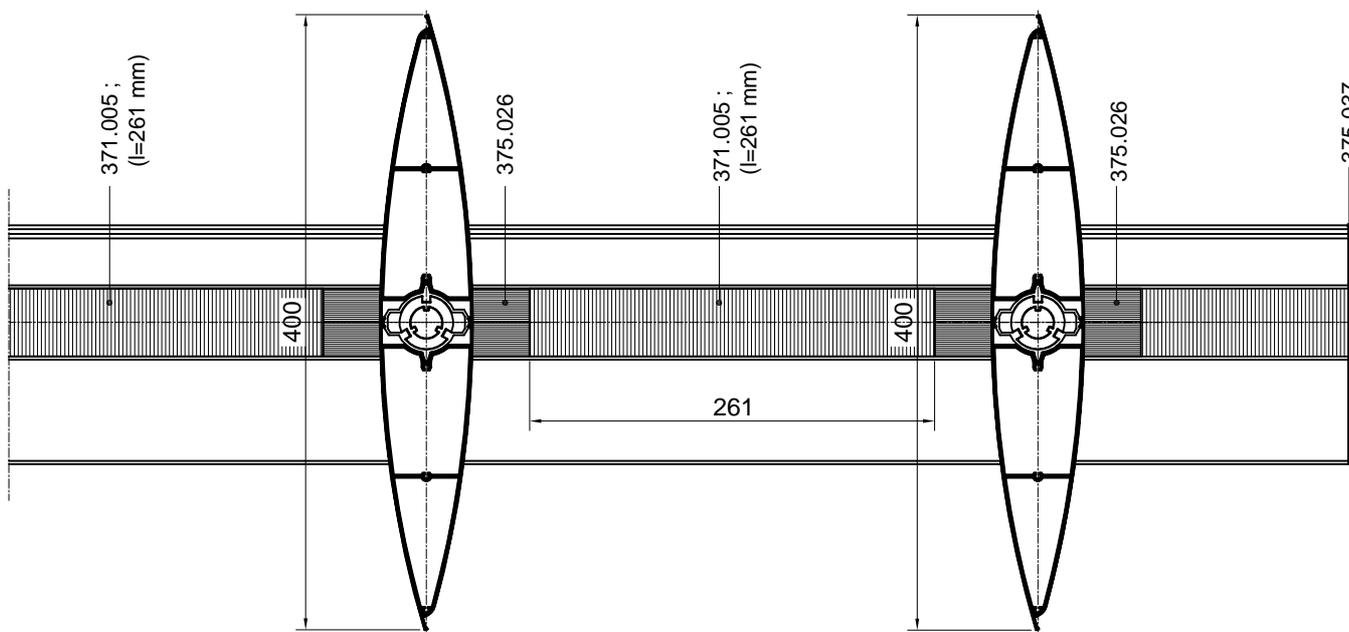


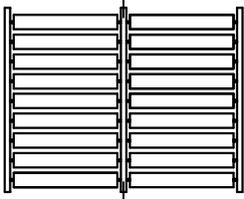


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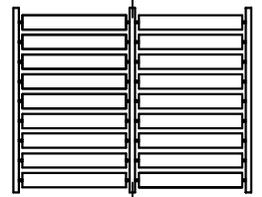




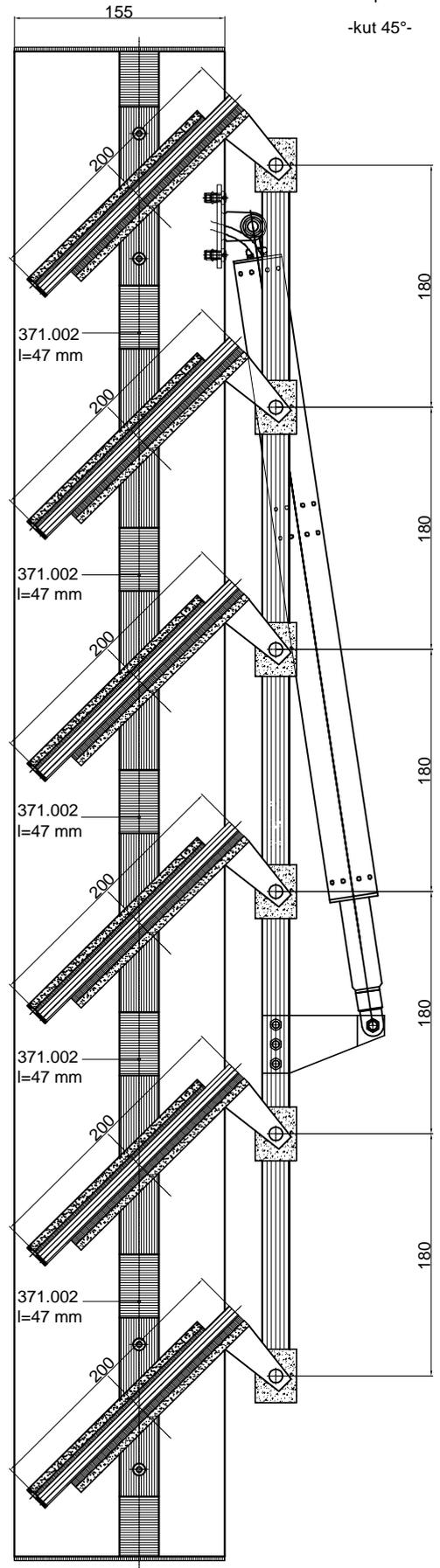
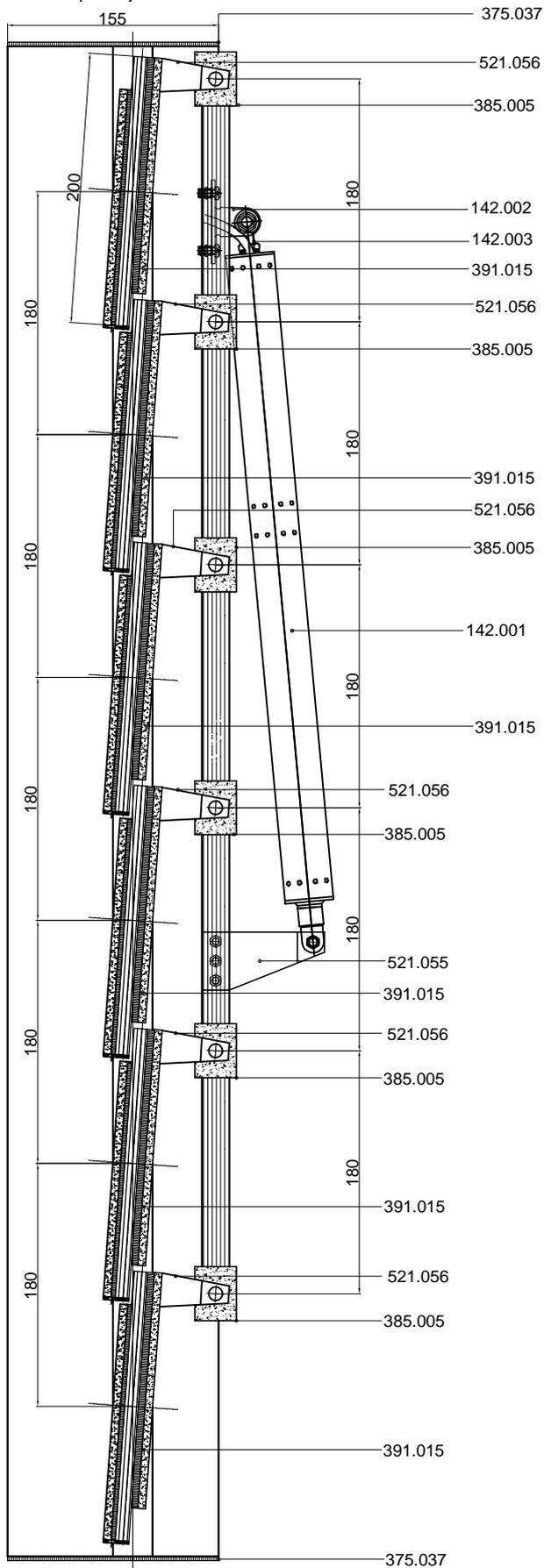


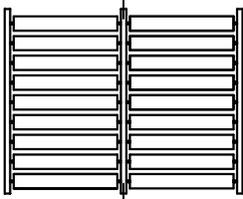


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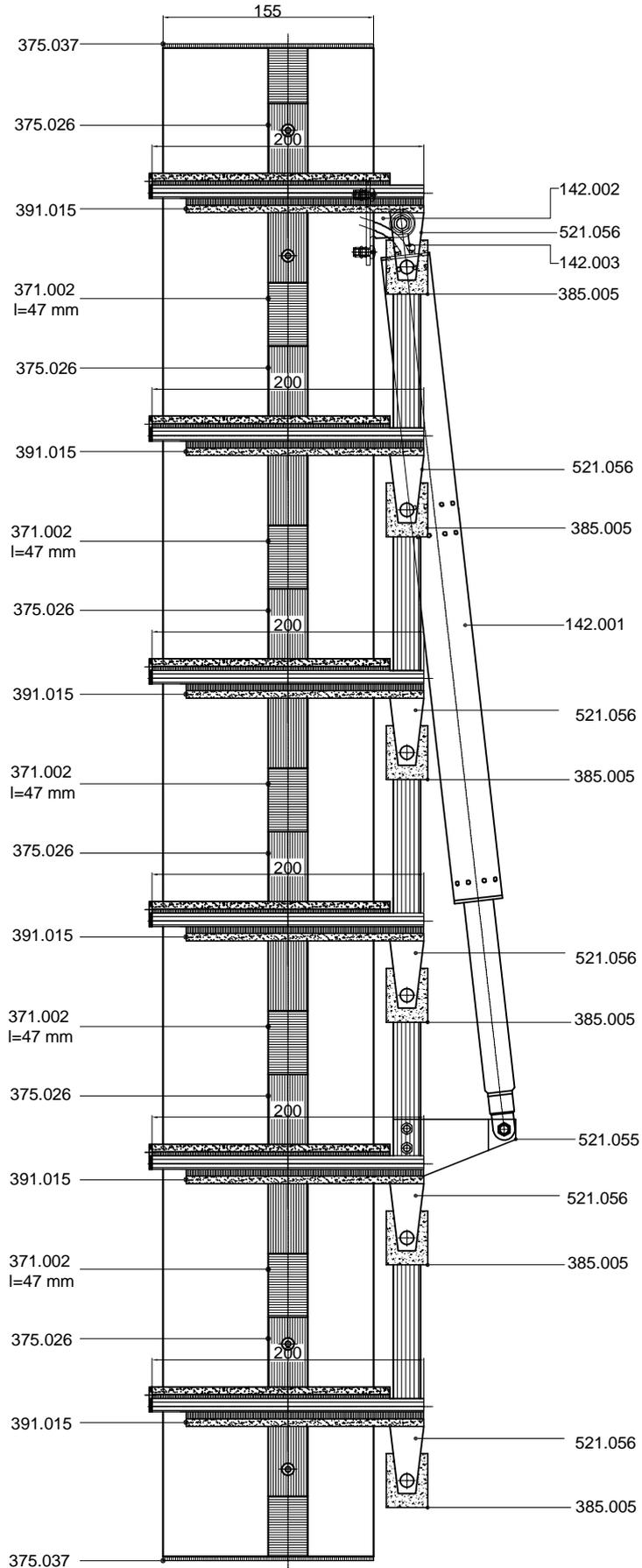


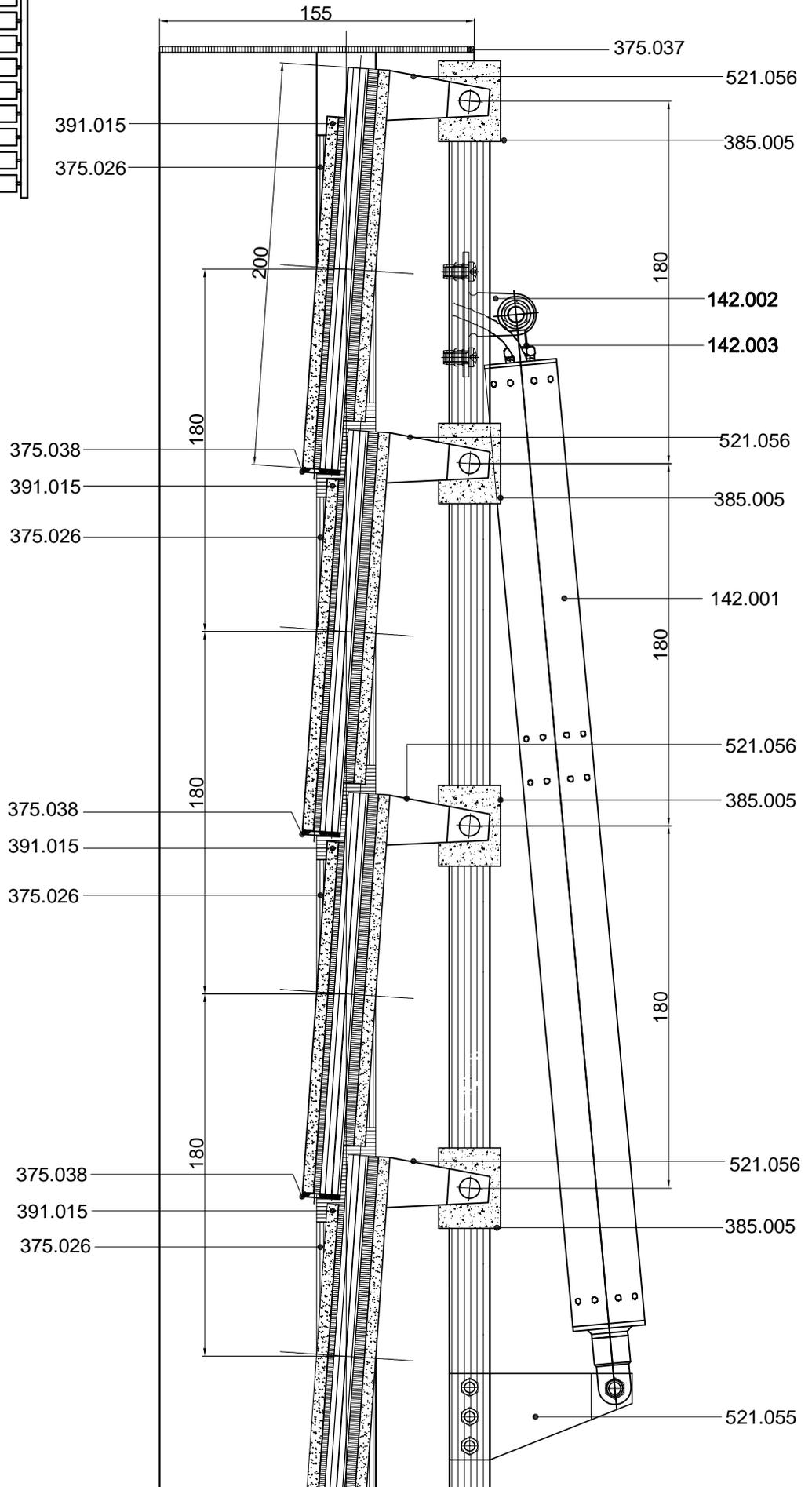
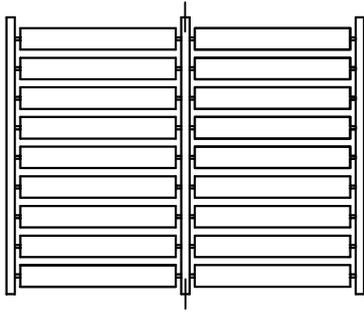
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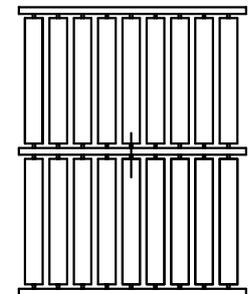
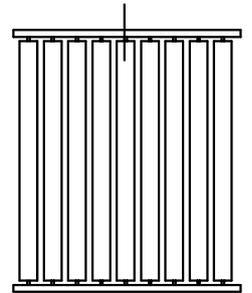
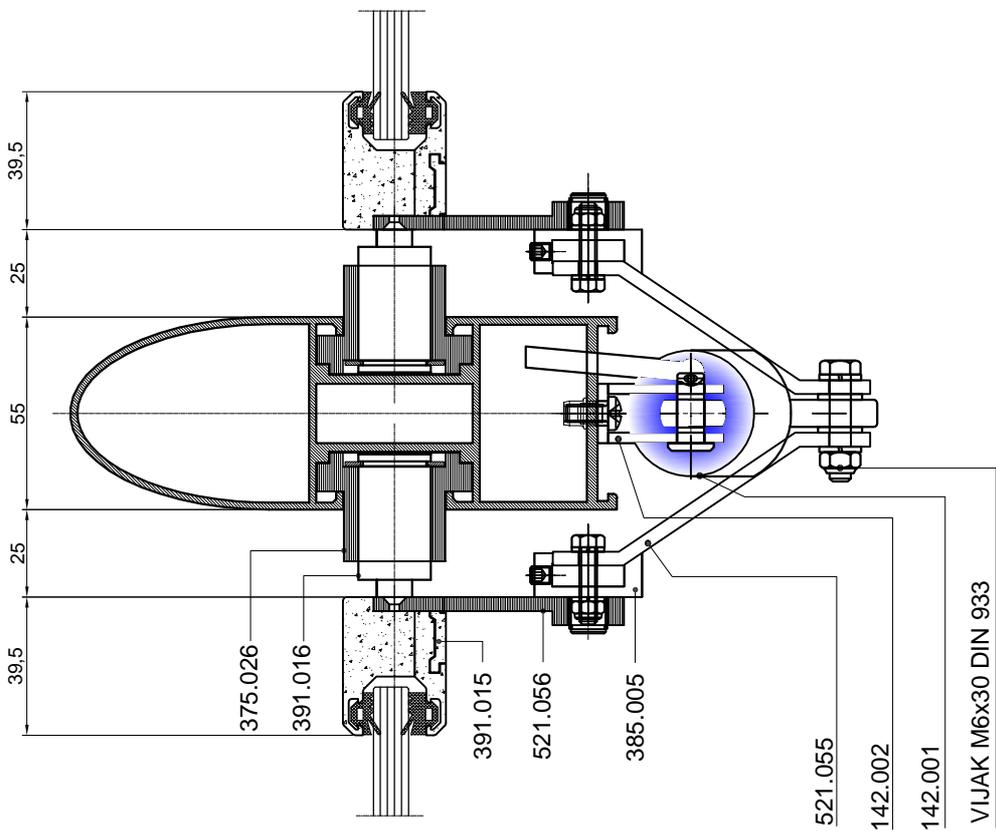
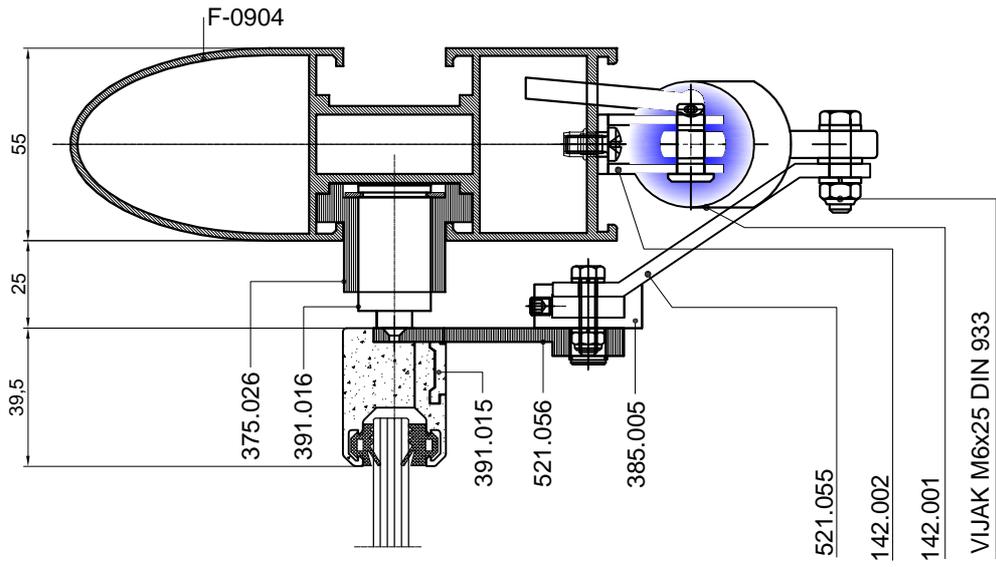


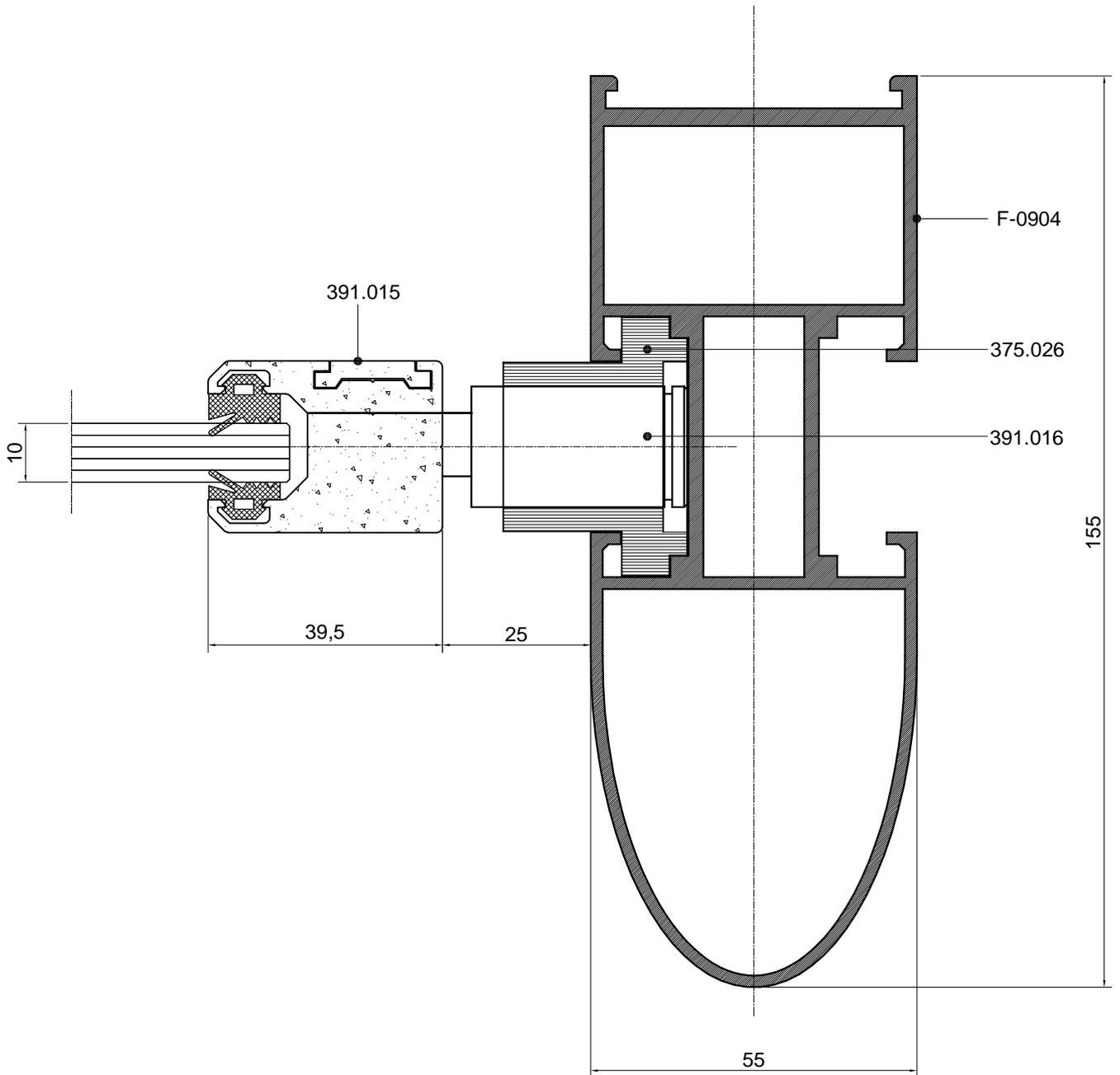
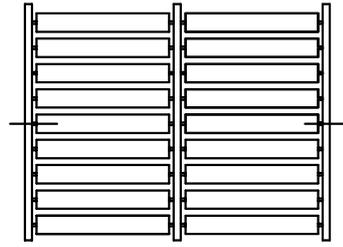
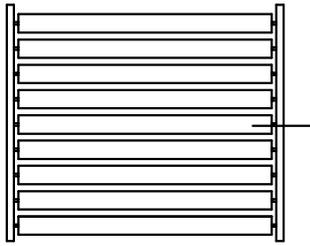


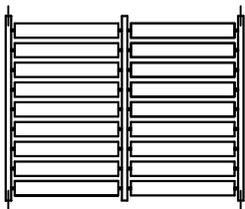
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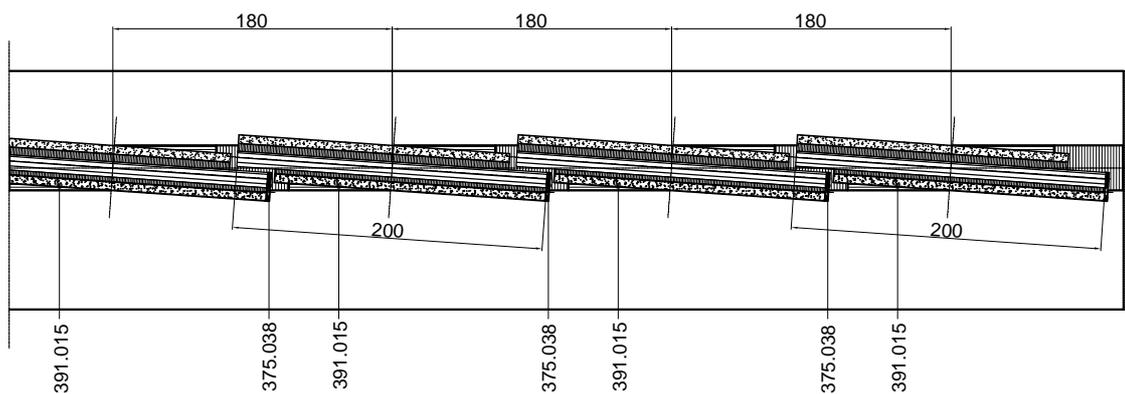
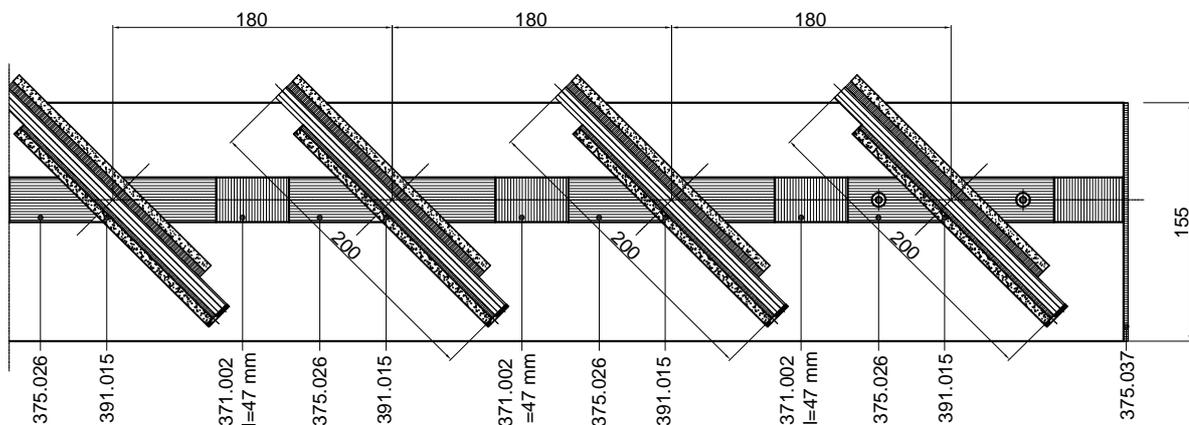
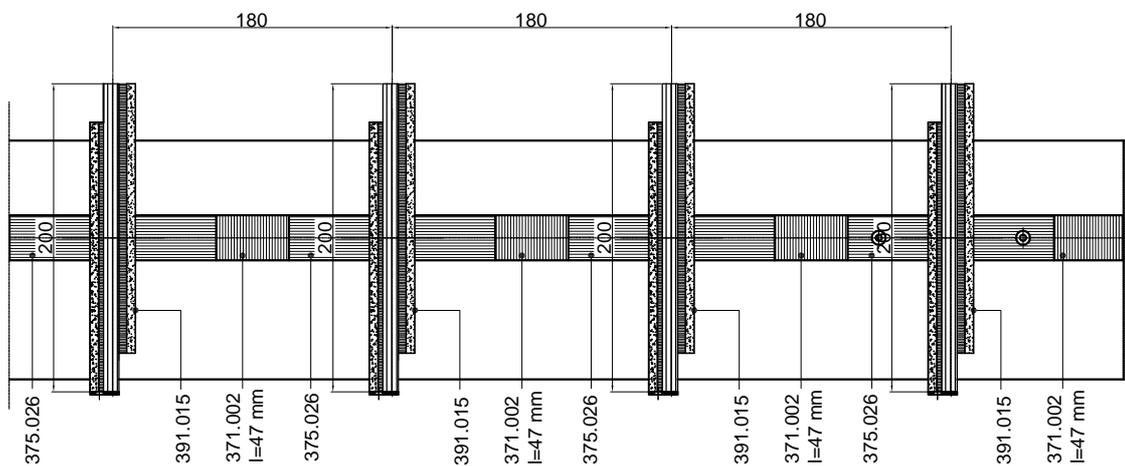


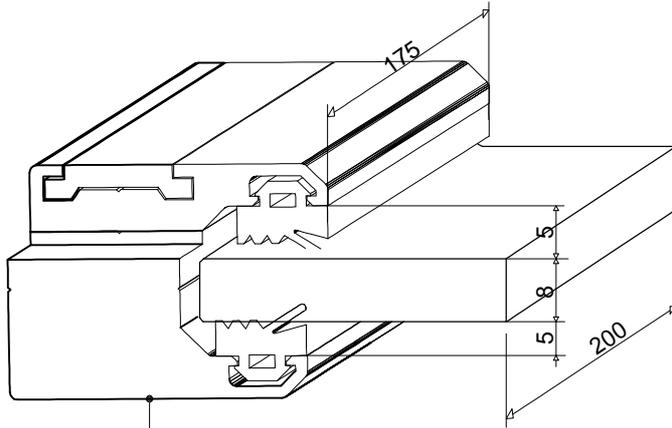




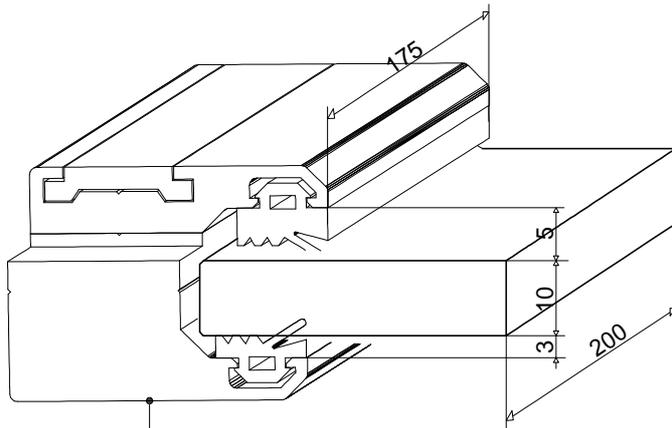
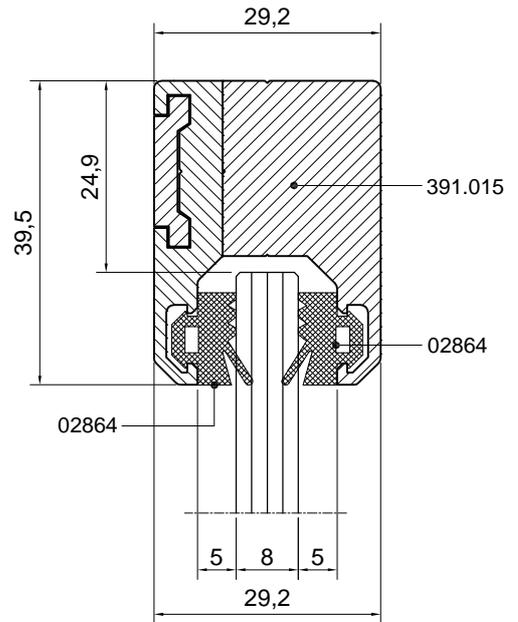


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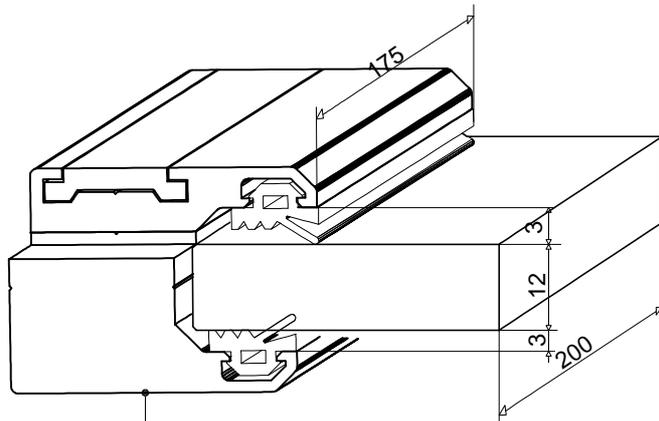
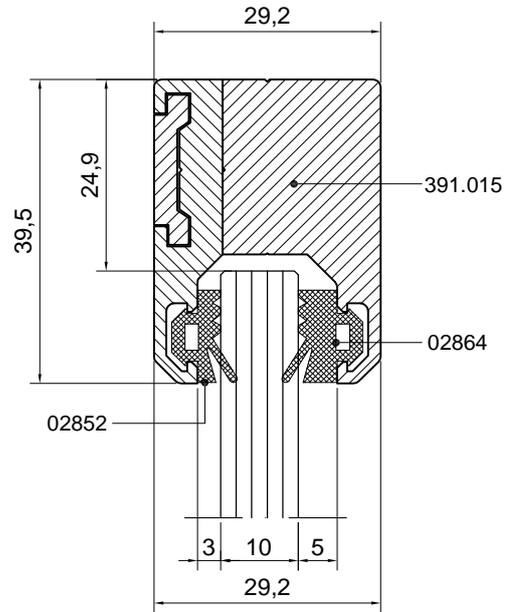




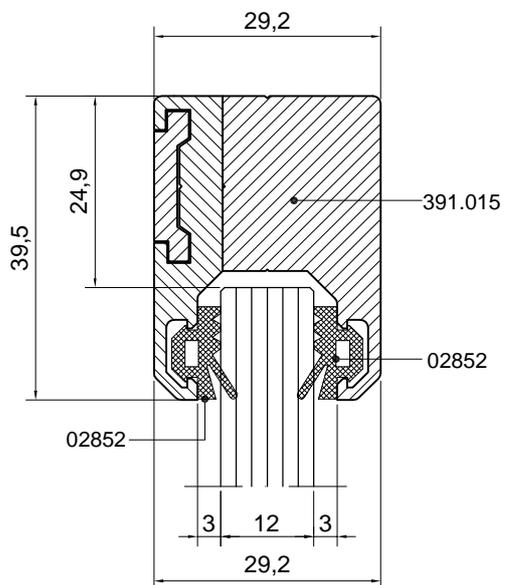
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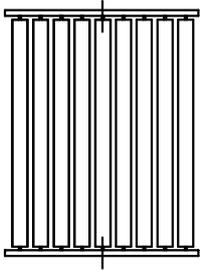


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391.015





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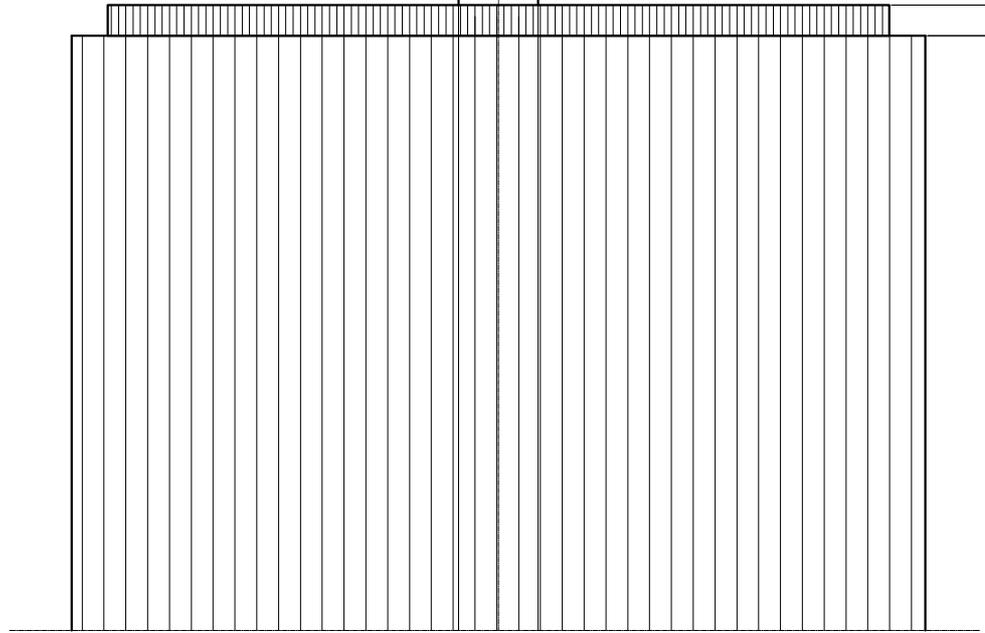
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MH

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142.001

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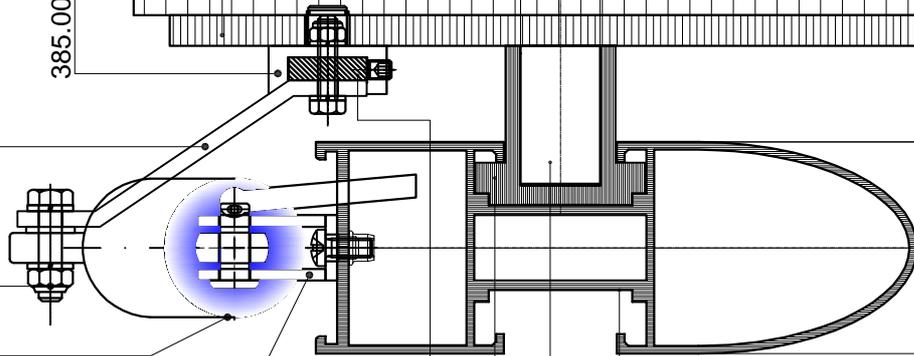
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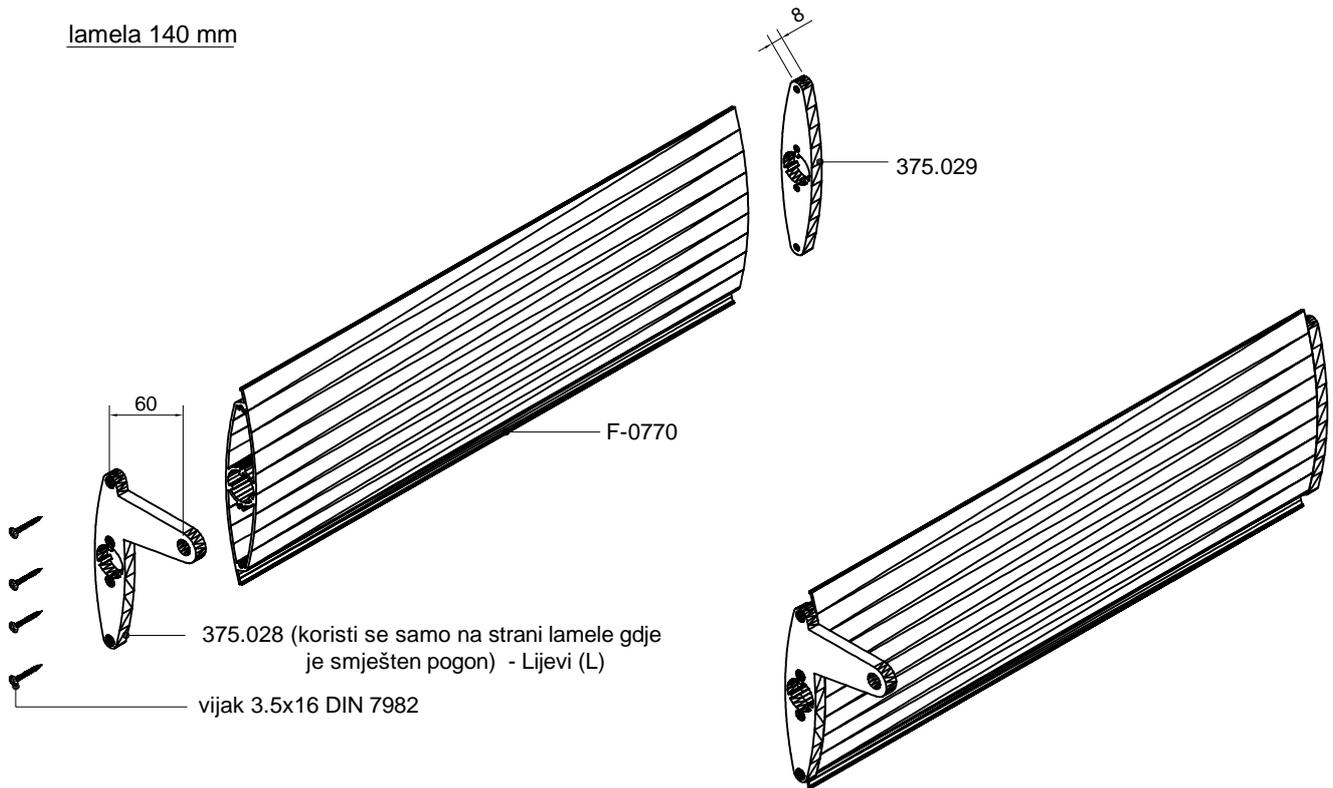
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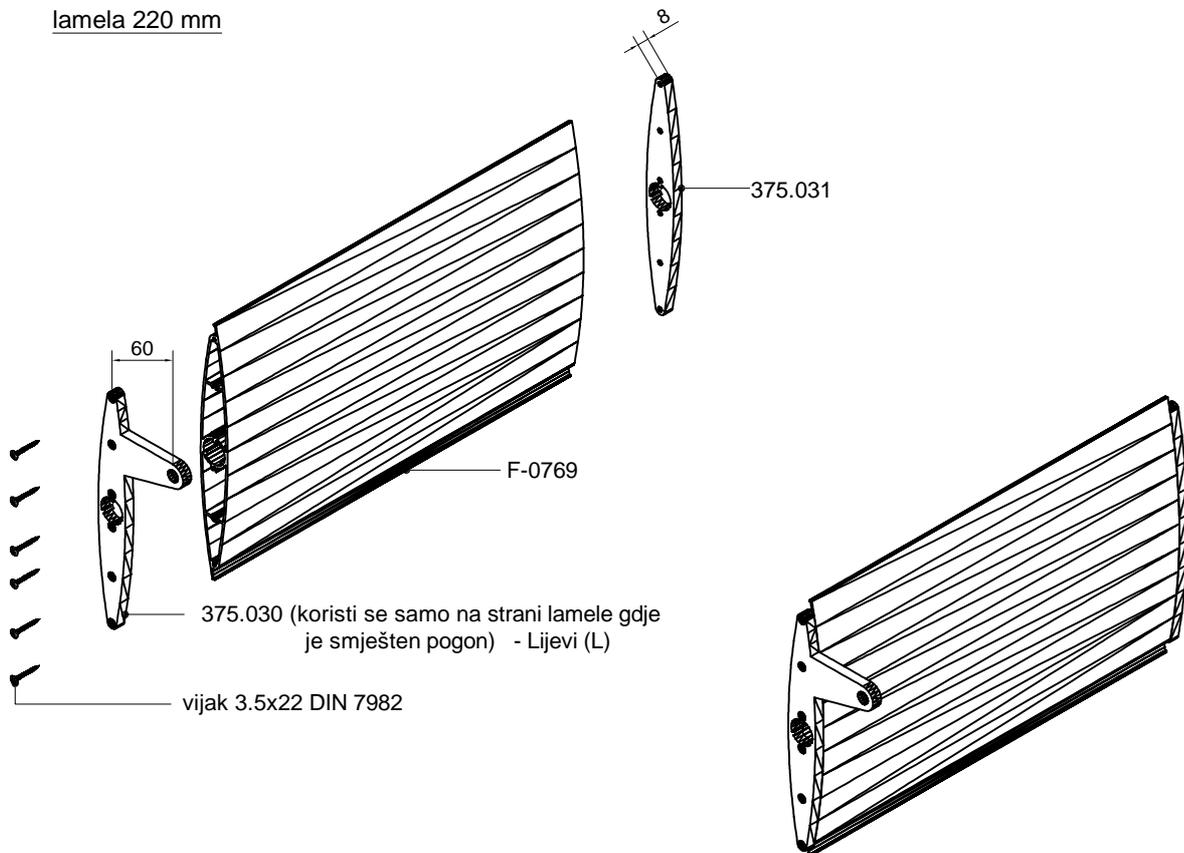
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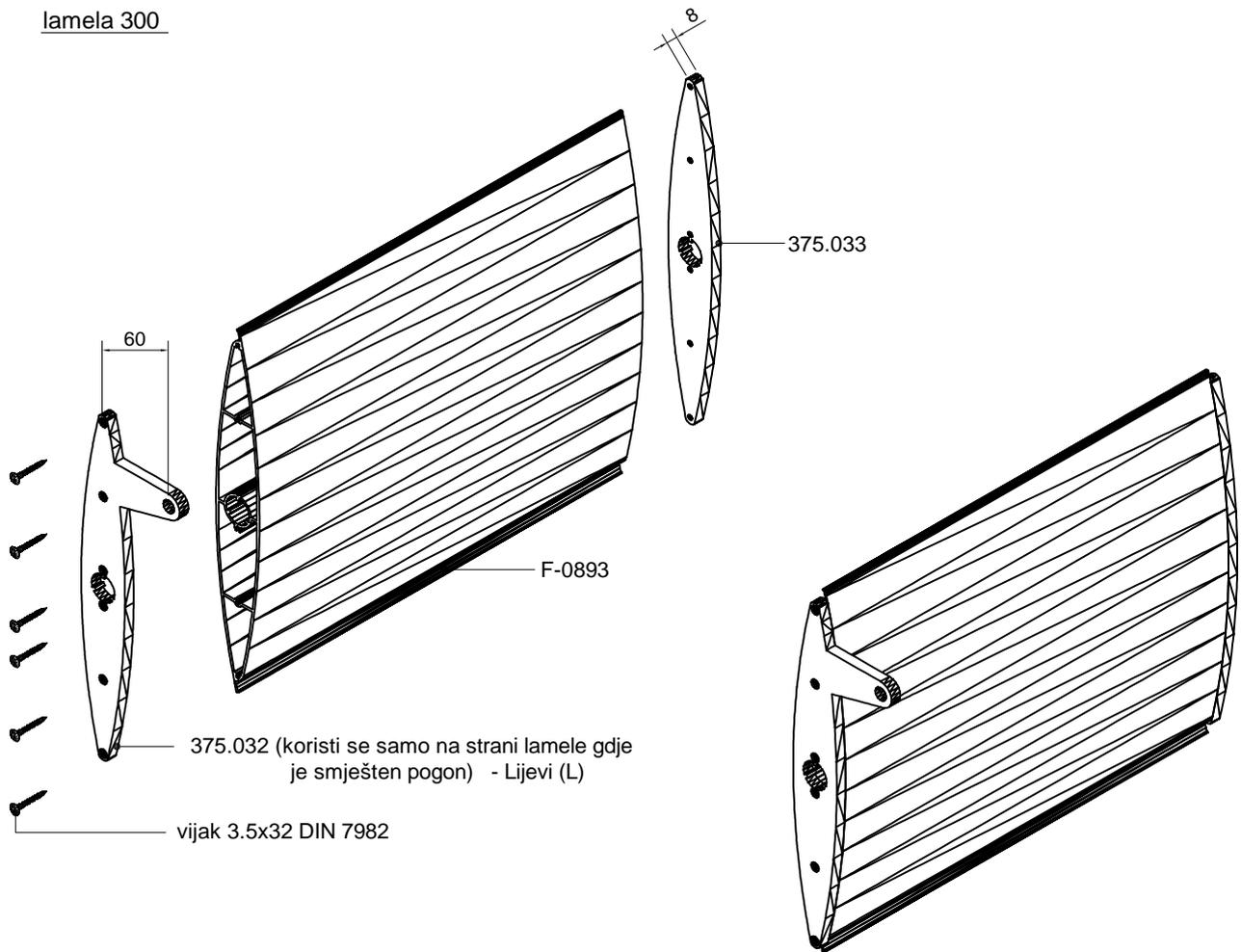
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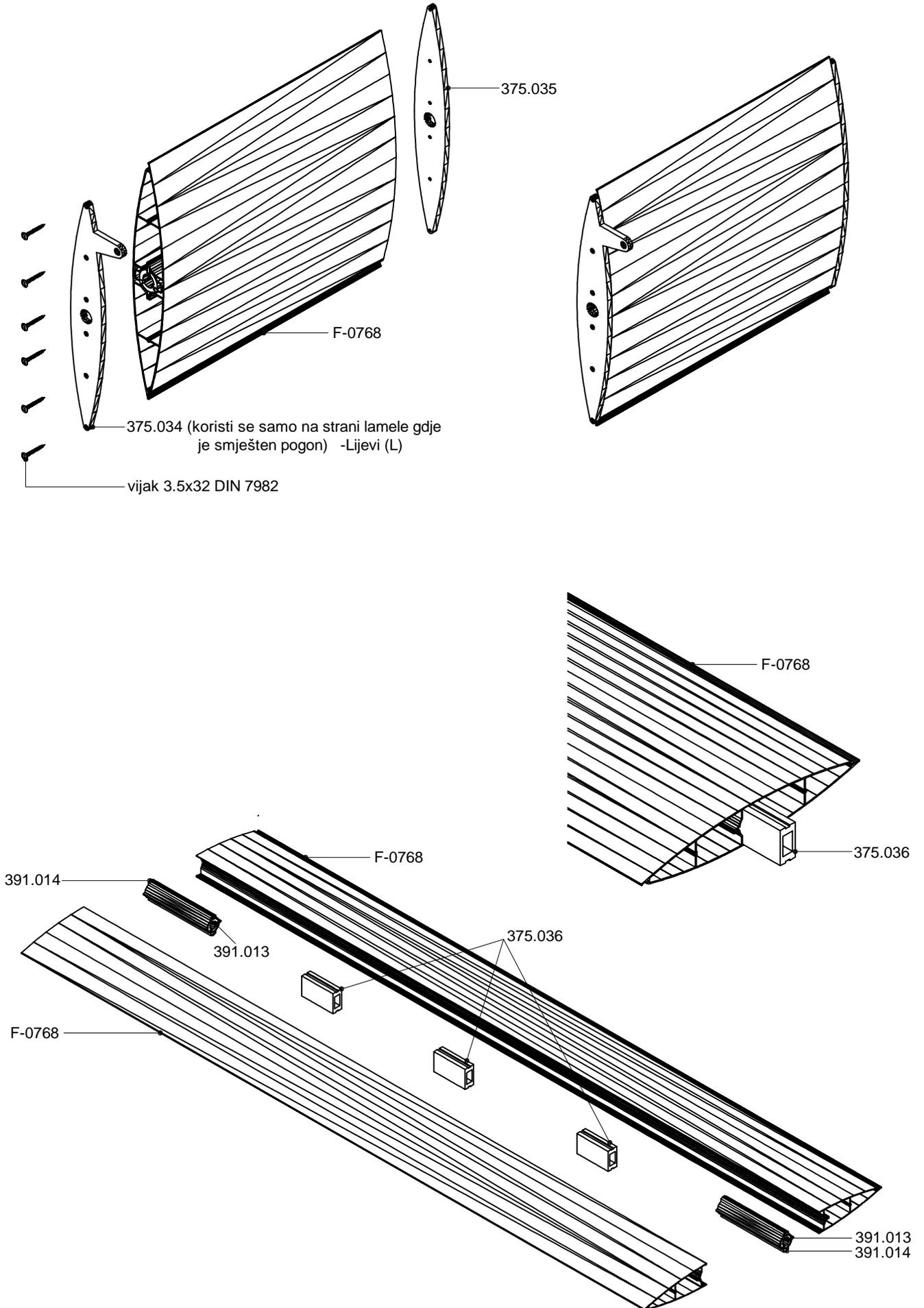


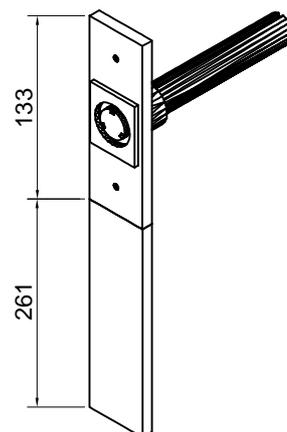
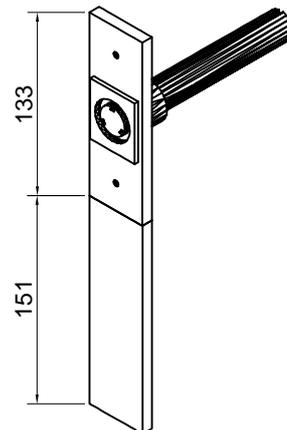
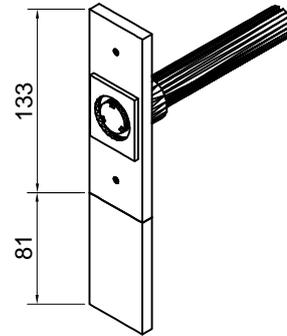
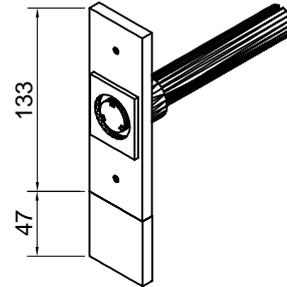
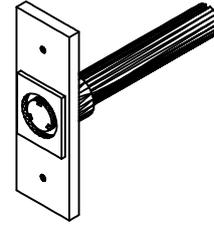
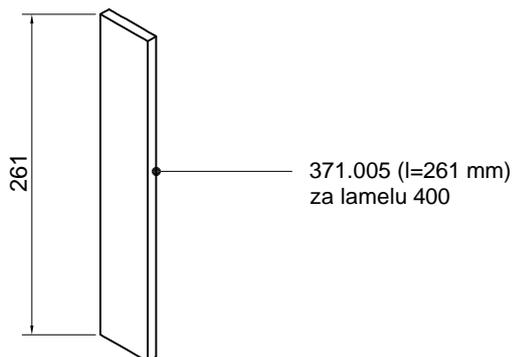
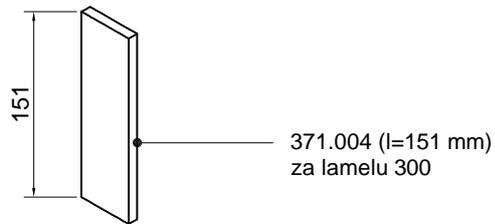
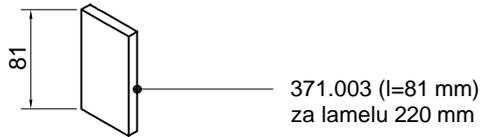
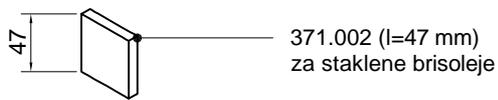
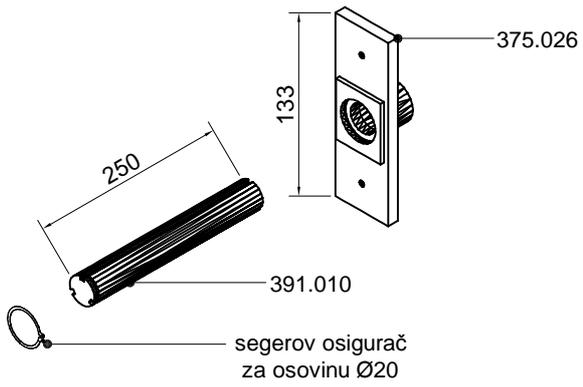
lamela 220 mm

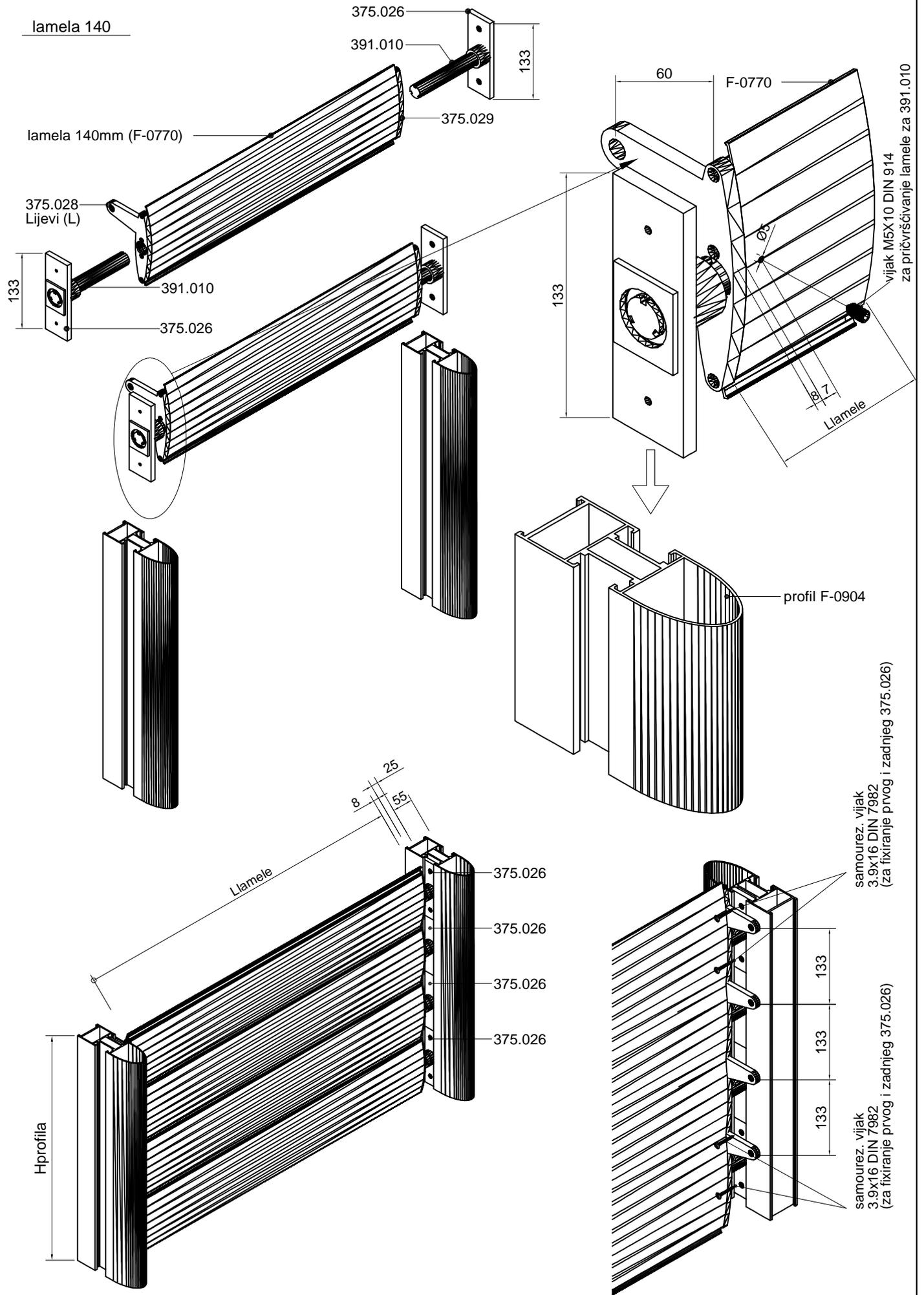


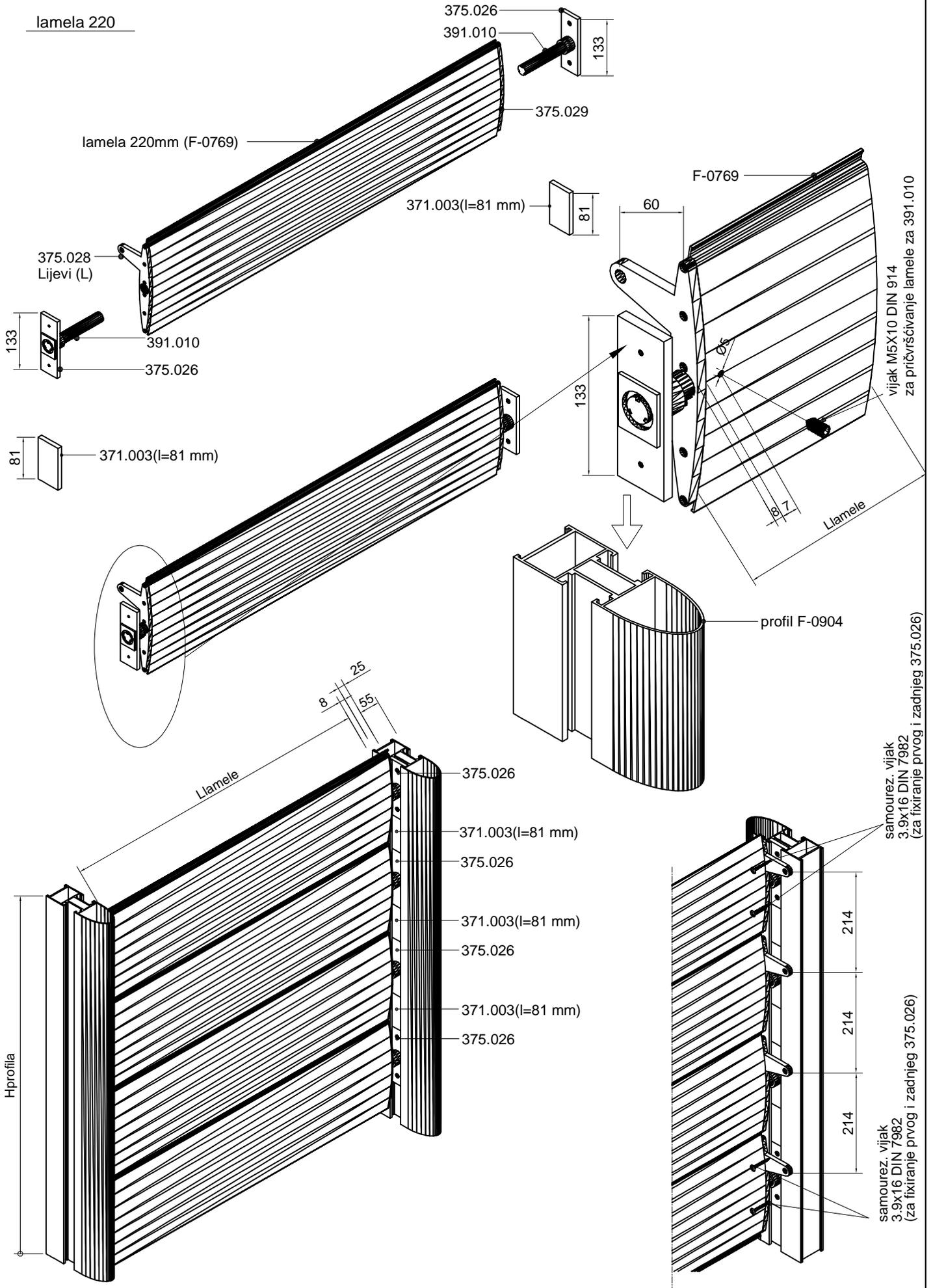
lamela 300

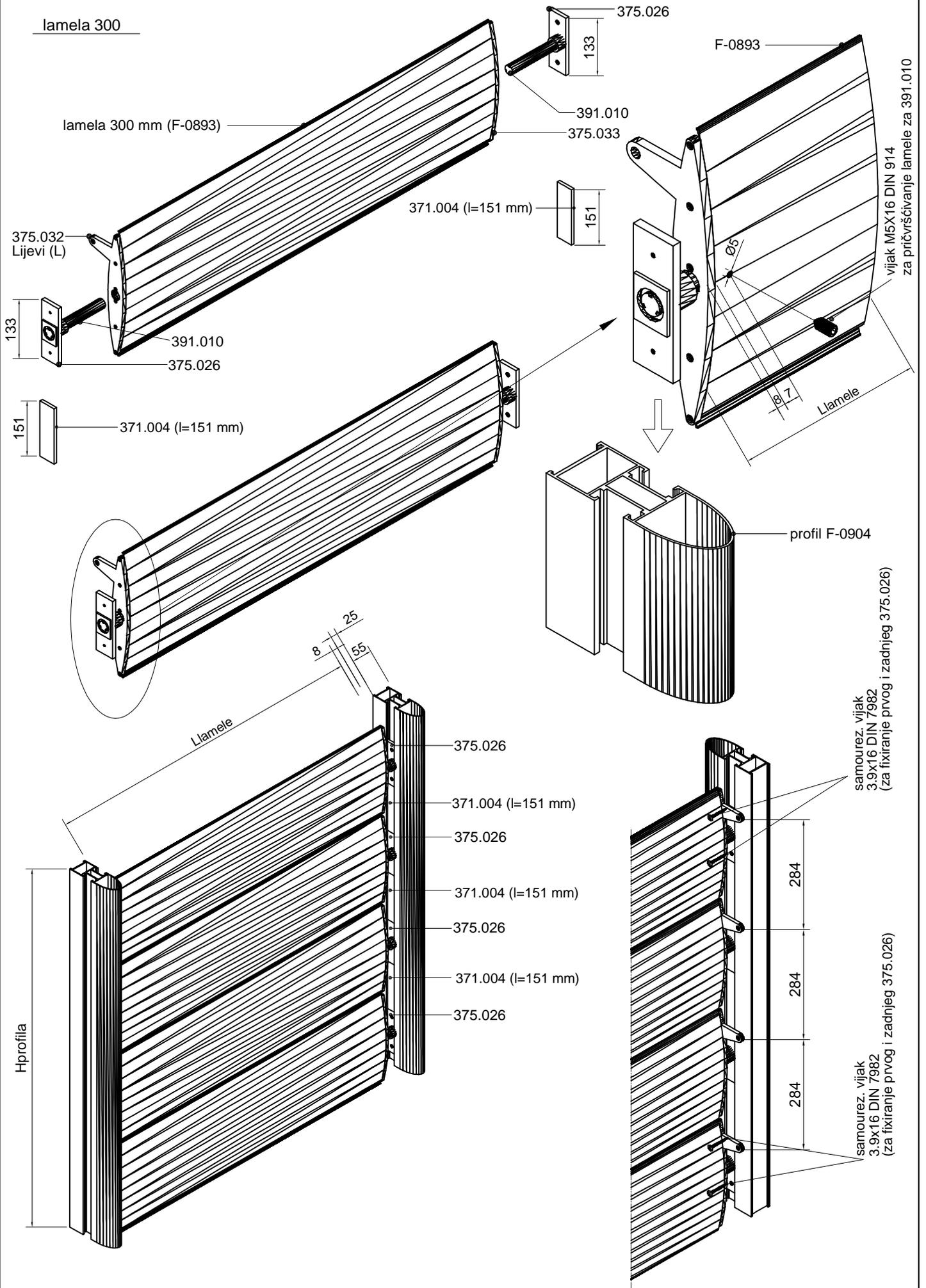
lamela 400 mm

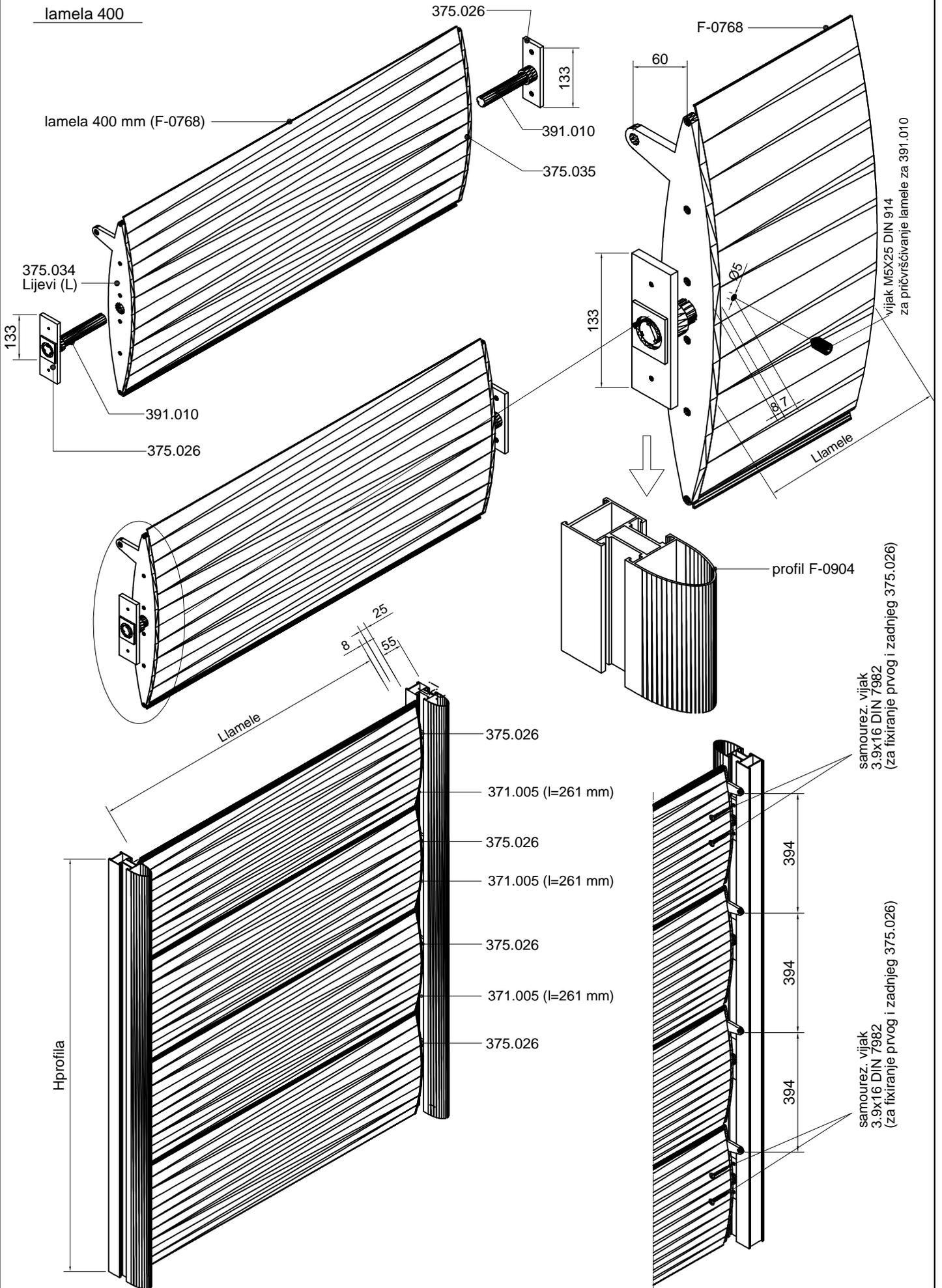


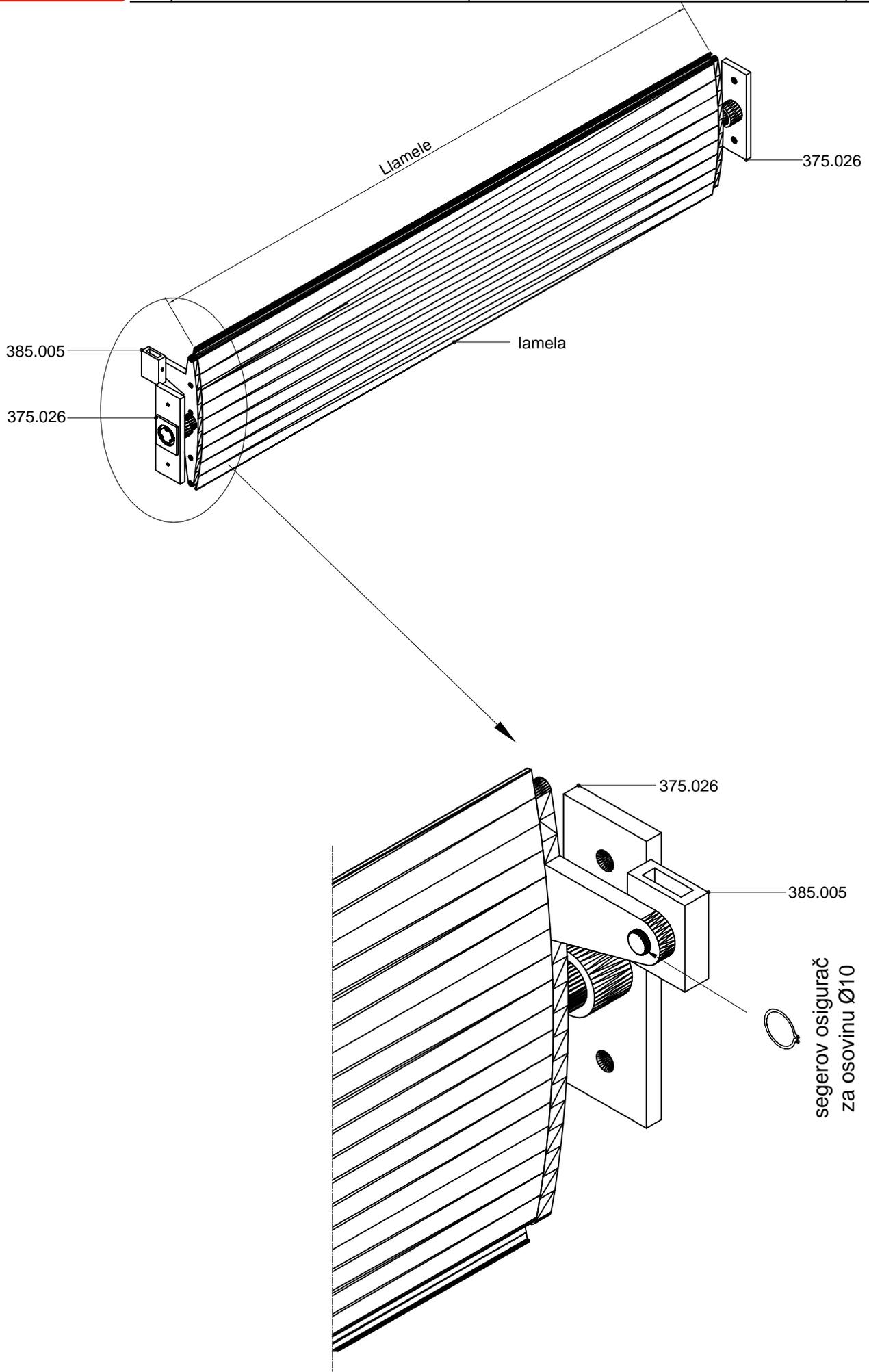


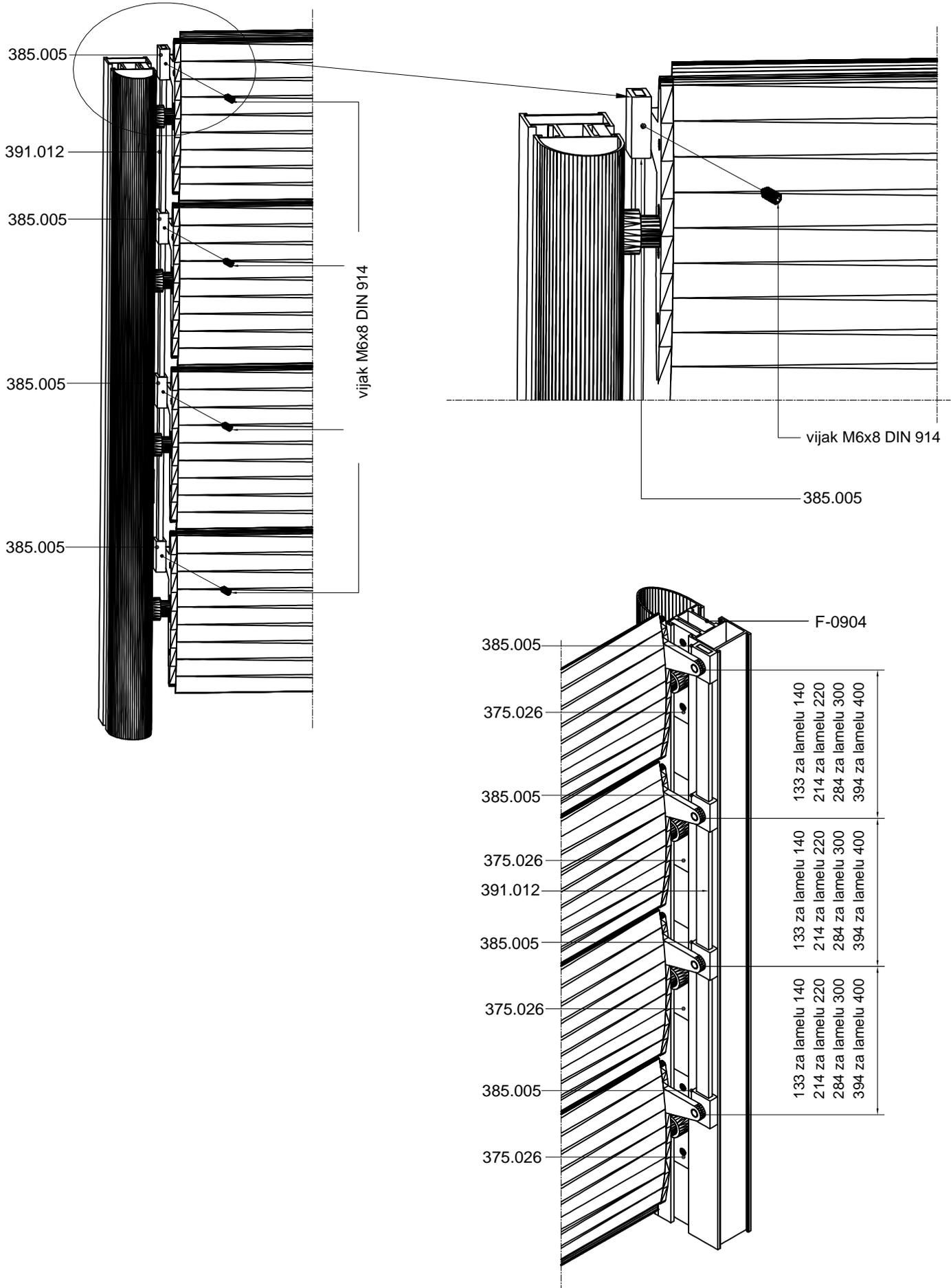




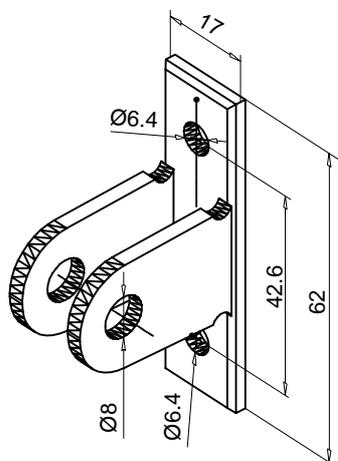




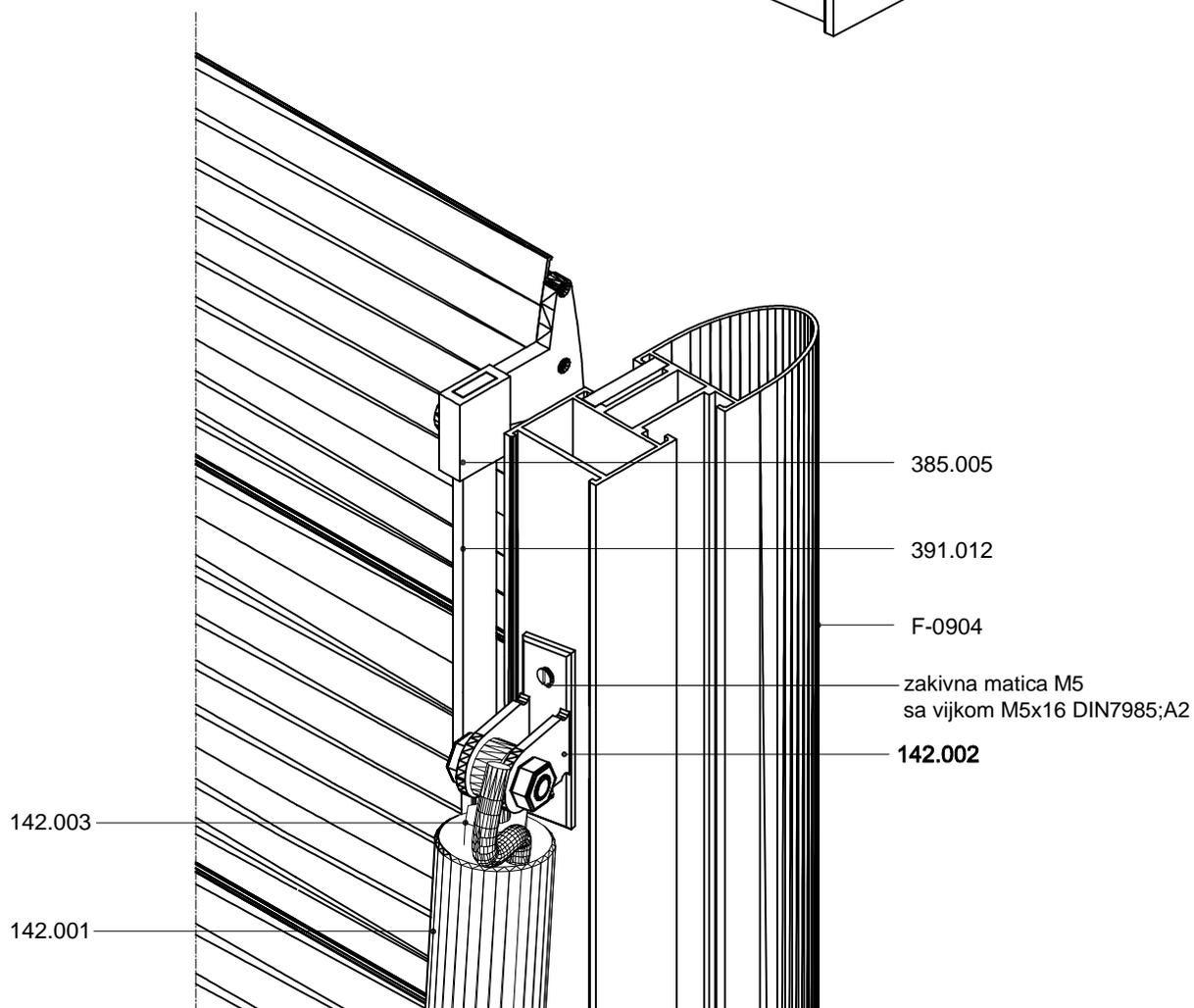
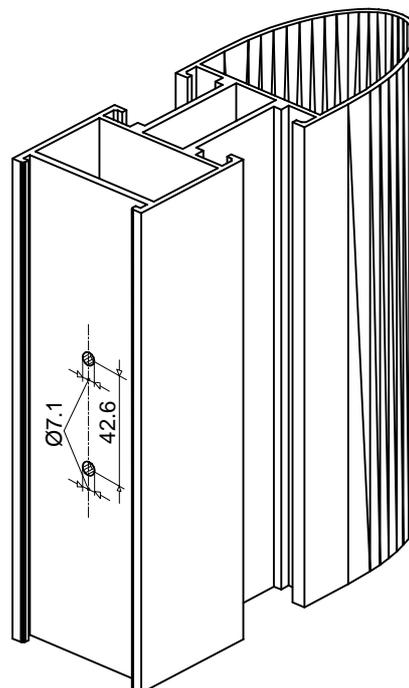
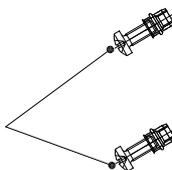


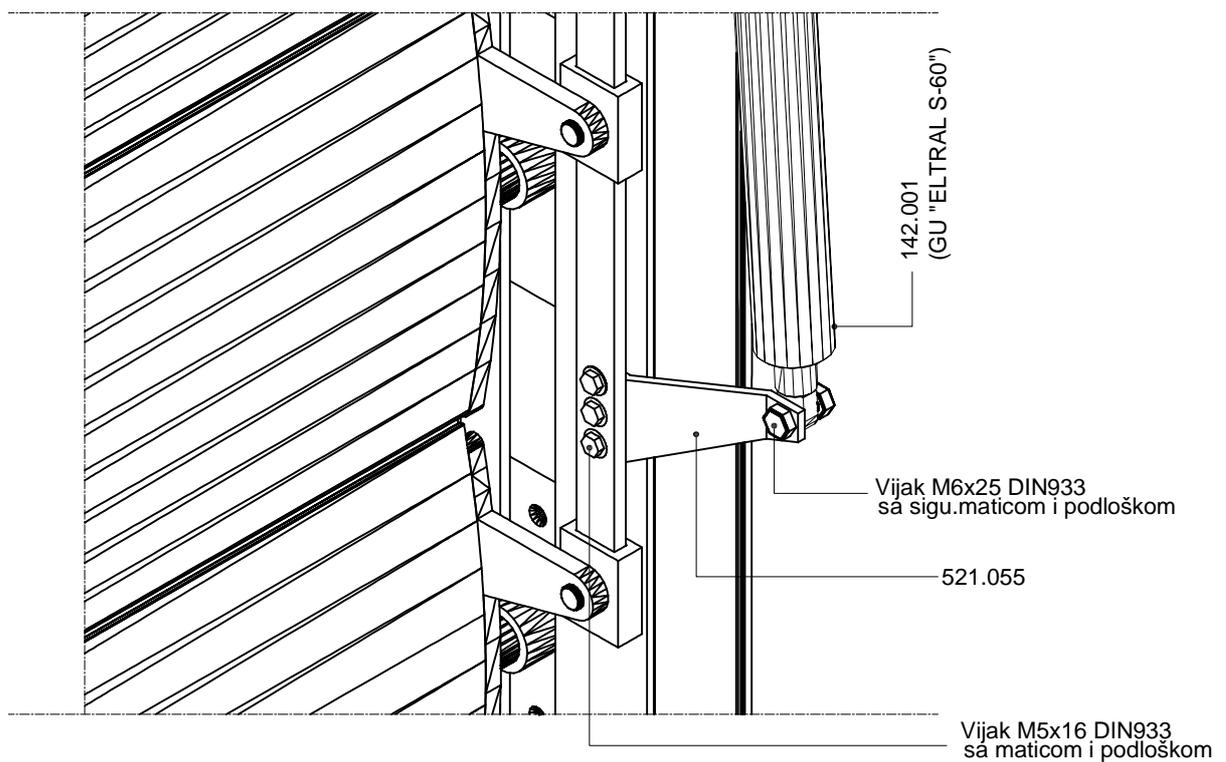
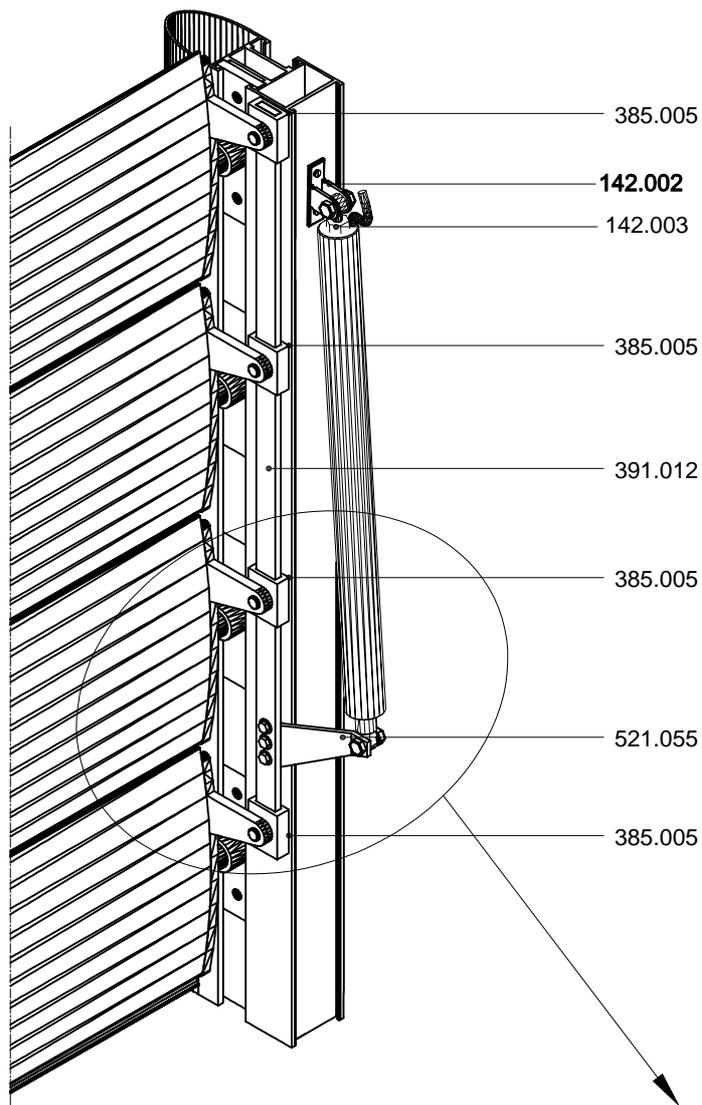


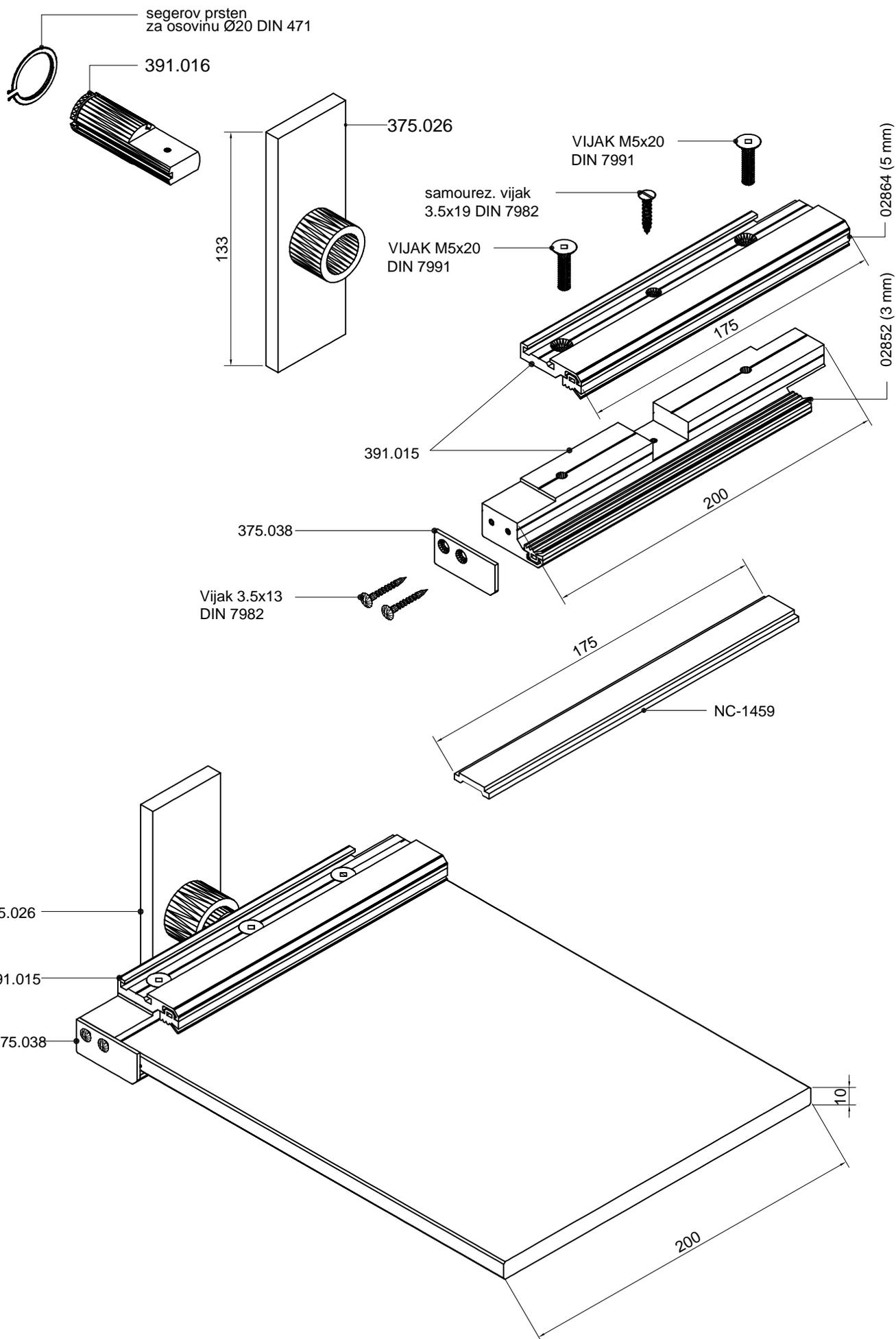
142.002 (držač motora)

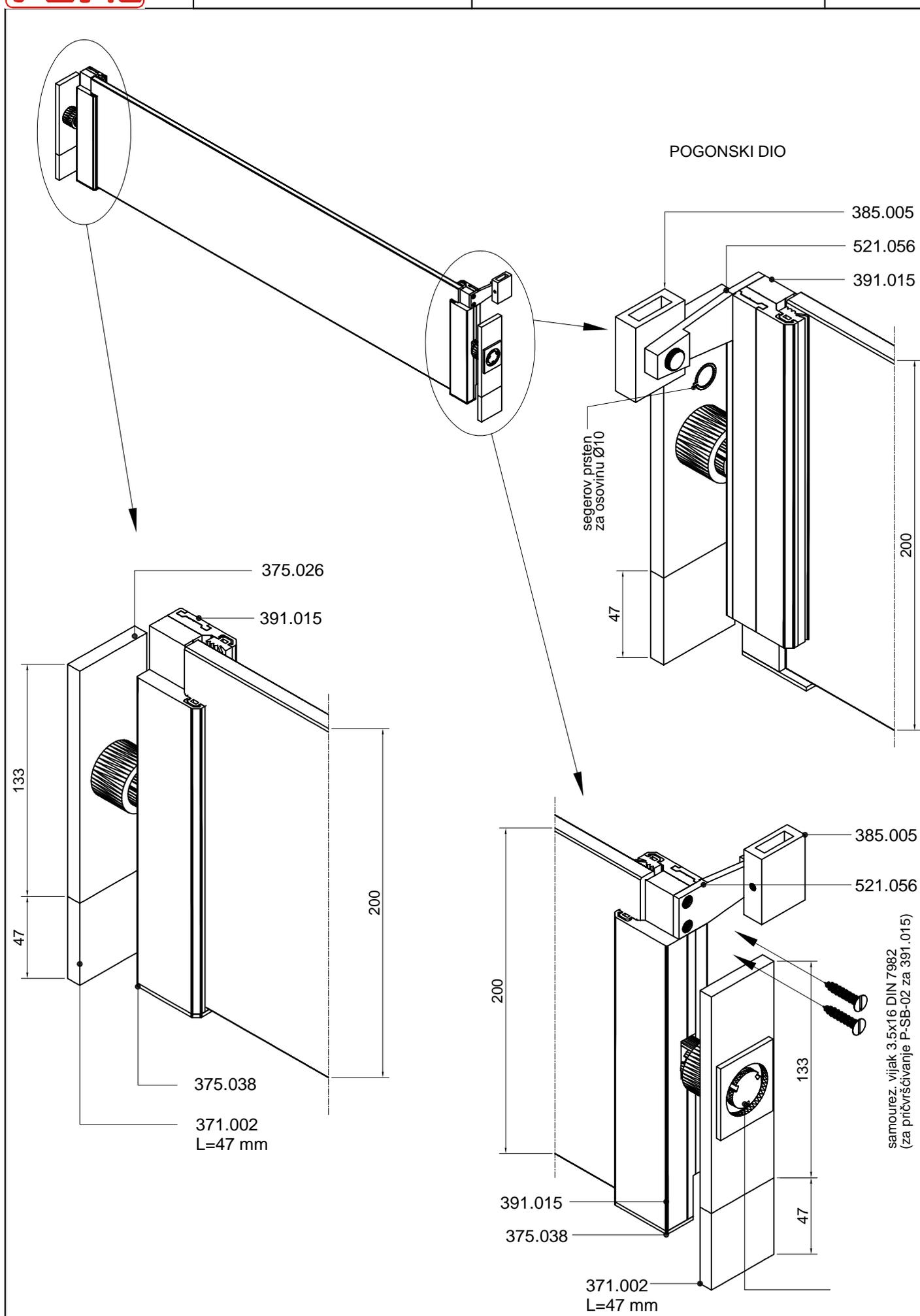


zakivna matica M5 sa vijkom M5x16 DIN7985; A2
(za pričvršćivanje držača motora za profil F-0904)

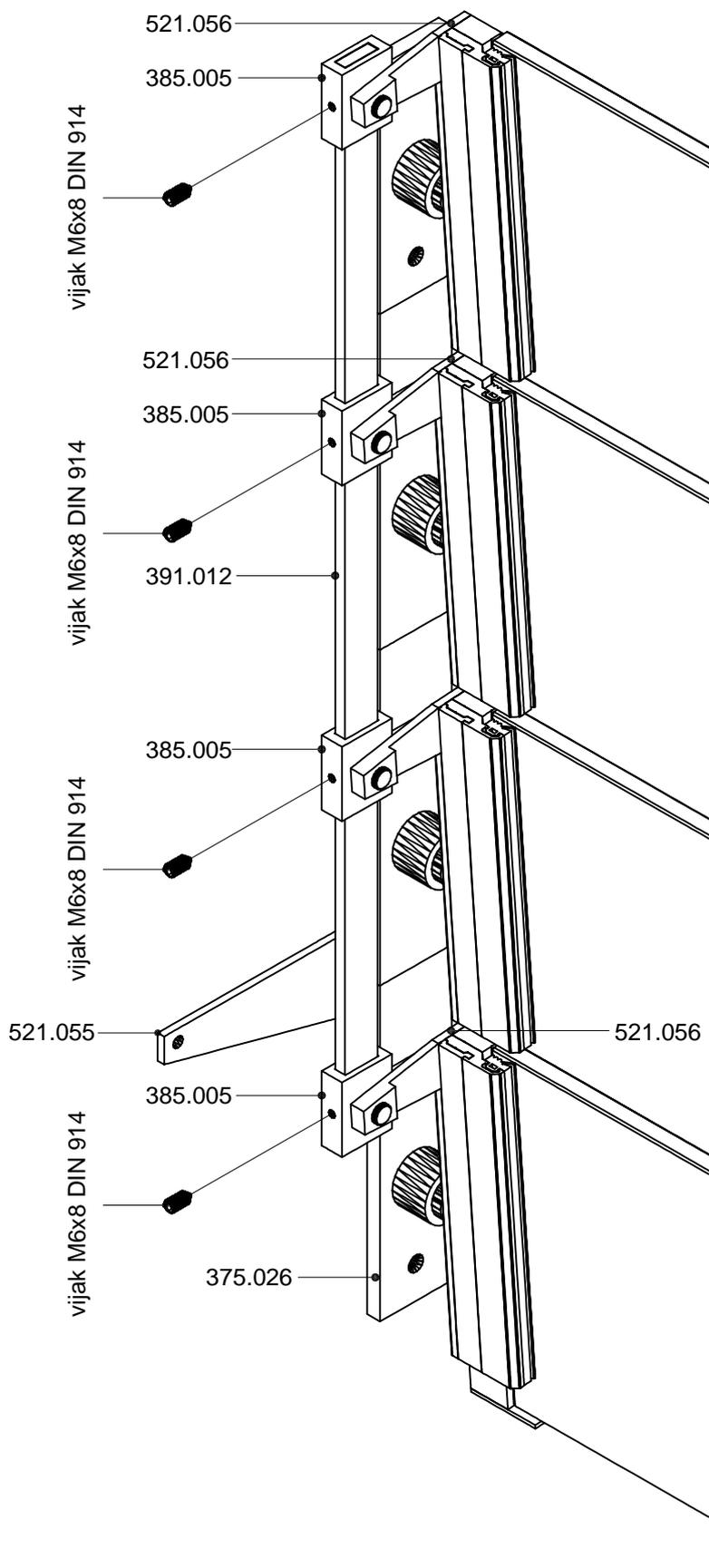
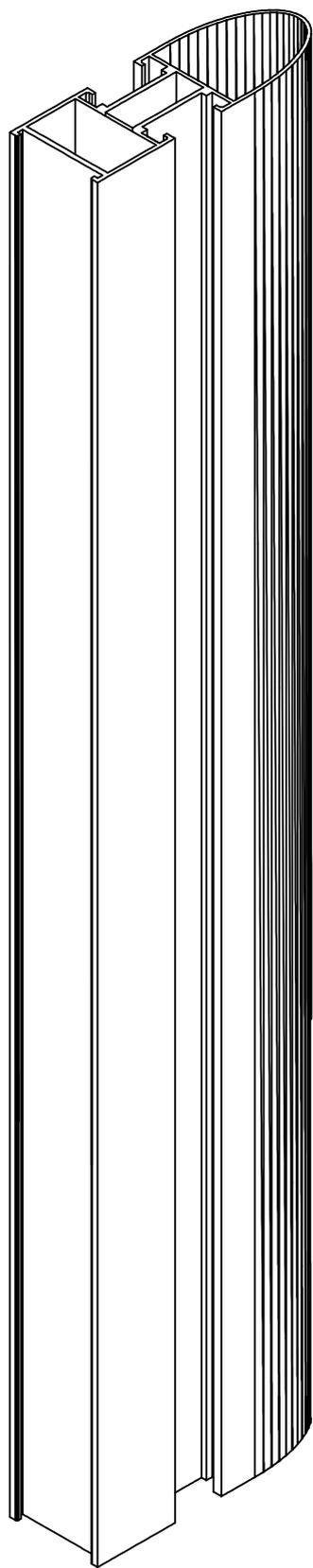


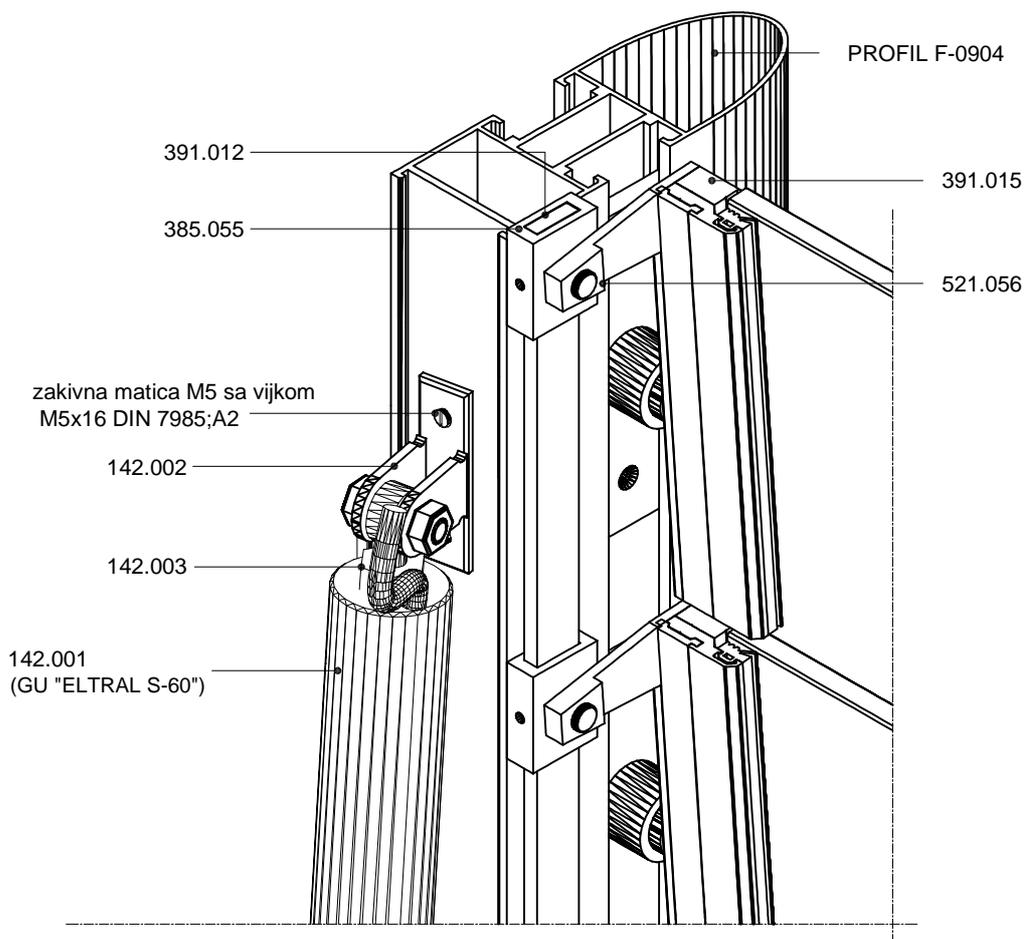




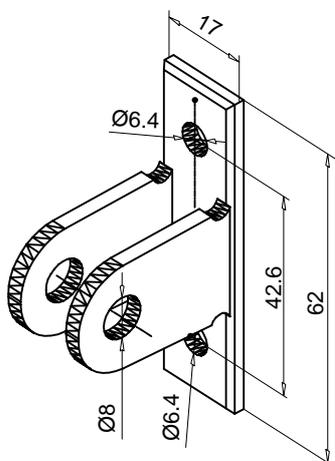


F-0904

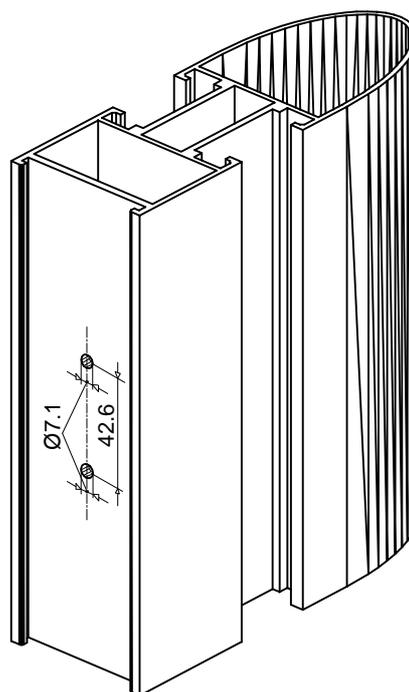
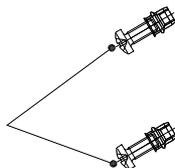


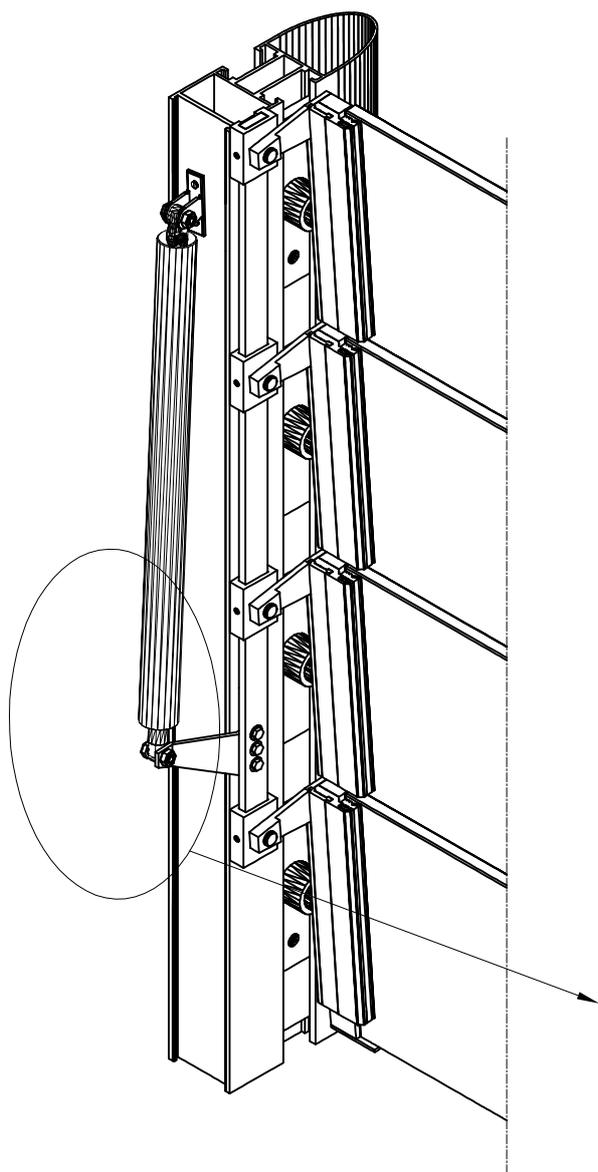


142.002 (držač motora)



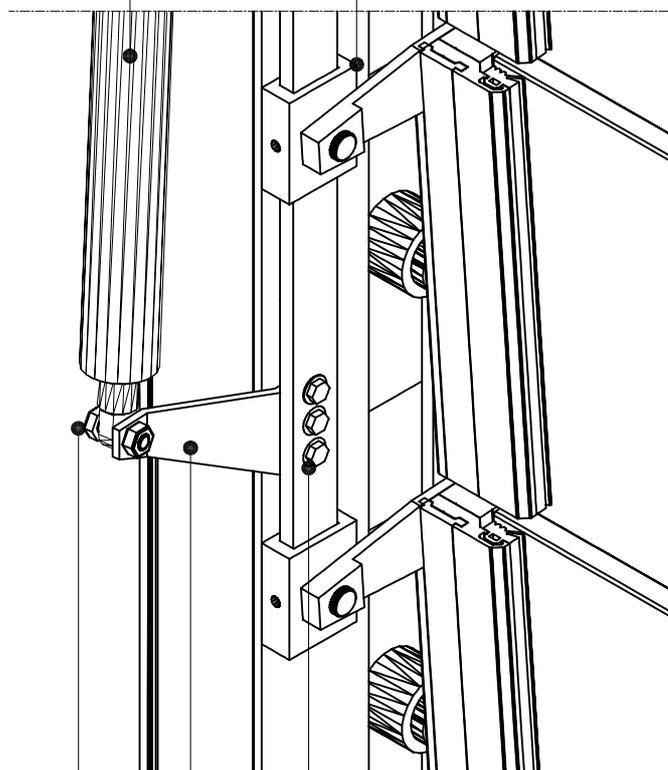
zakivna matica M5 sa vijkom M5x16 DIN 7985;A2
(za pričvršćivanje držača motora za profil F-0904)





142.001
(GU "ELTRAL S-60")

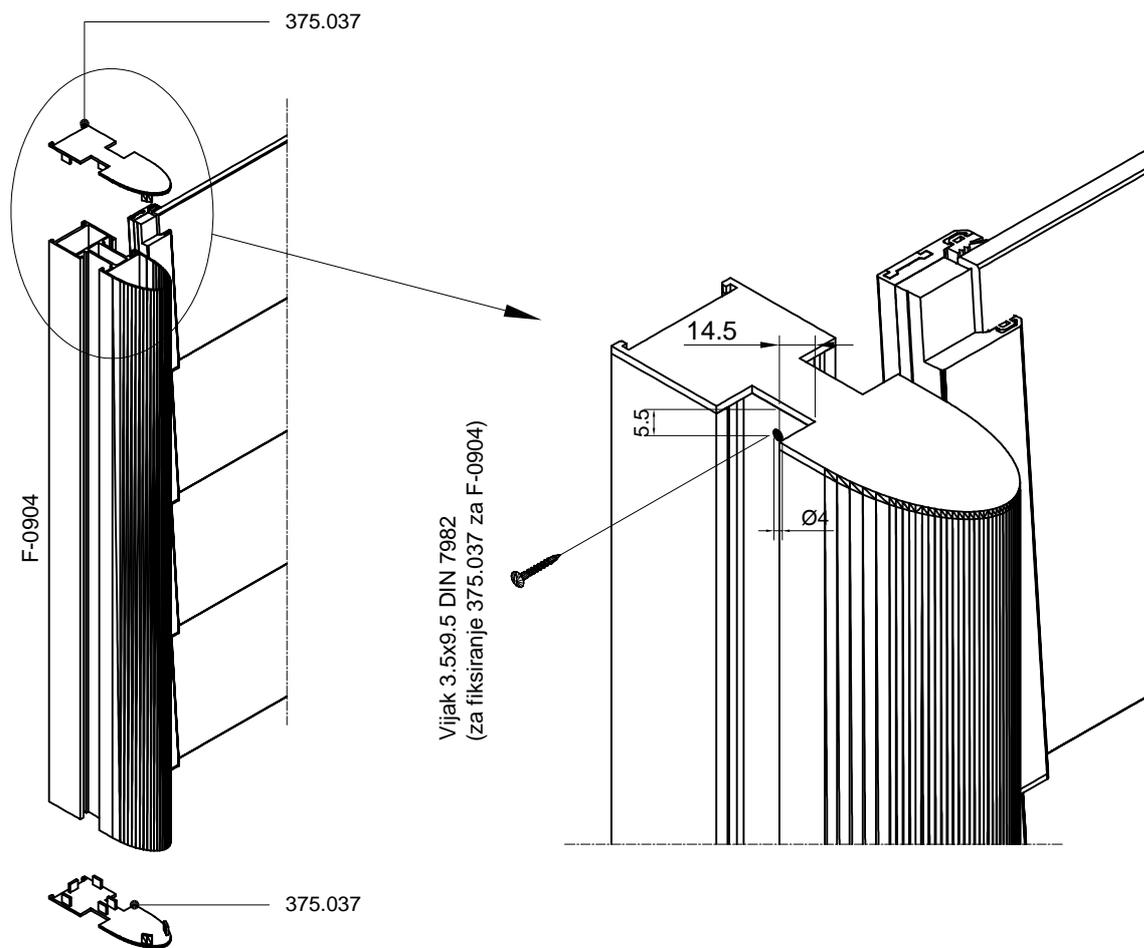
385.005

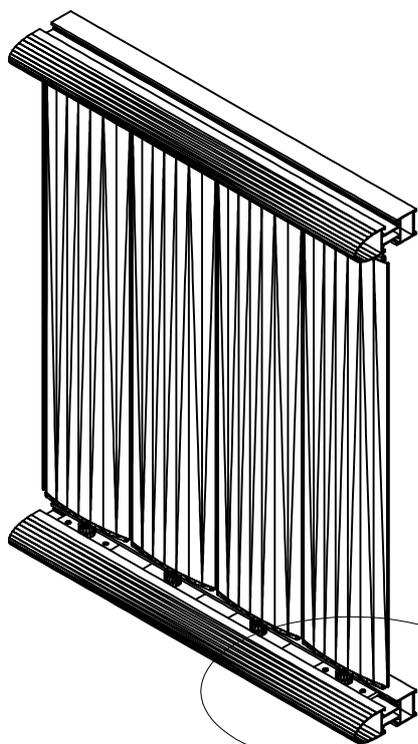


vijal M6X25 DIN 933
sa sigu.maticom i podloškom

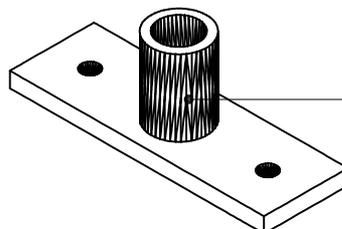
521.055

vijak M5X16 DIN 933
sa maticom i podloškom

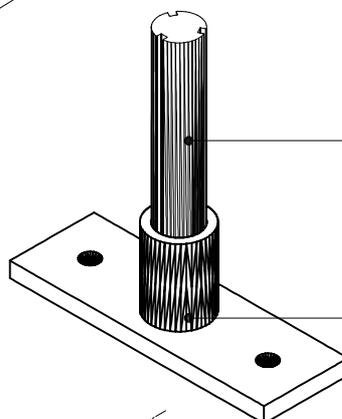




391.011

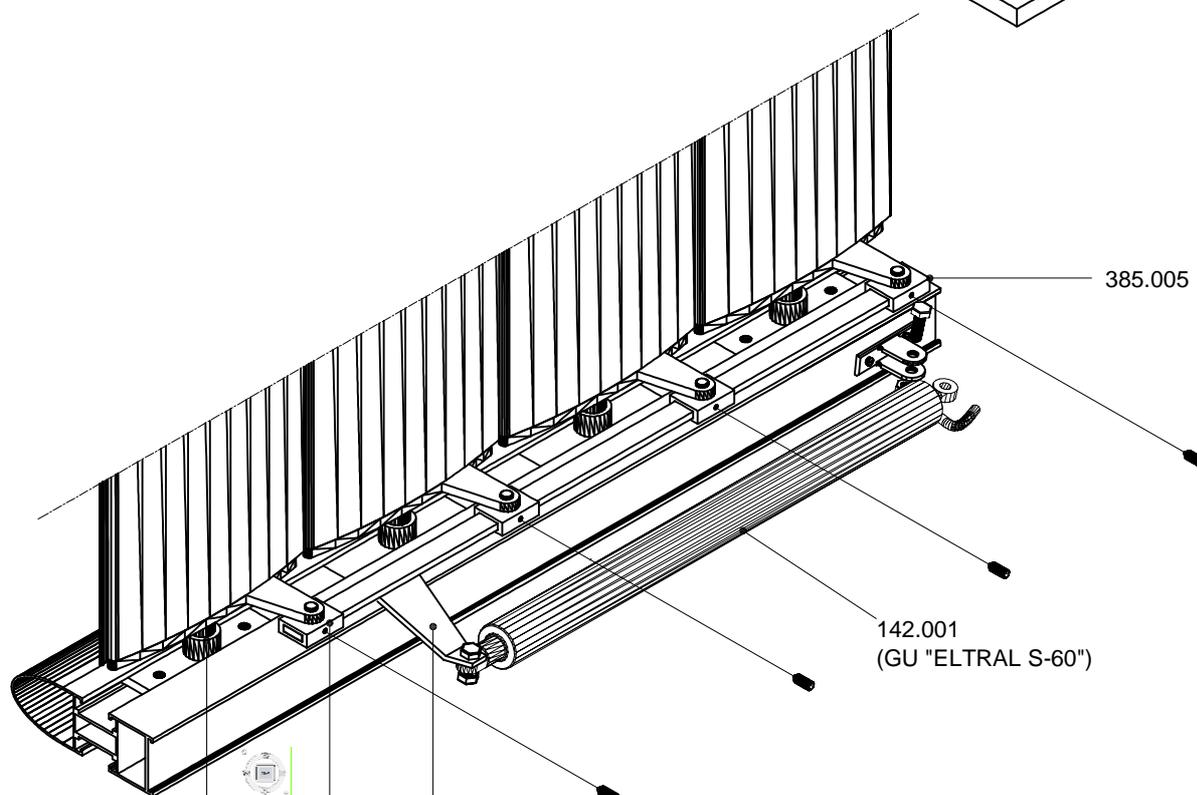


375.027



391.011

375.027



385.005

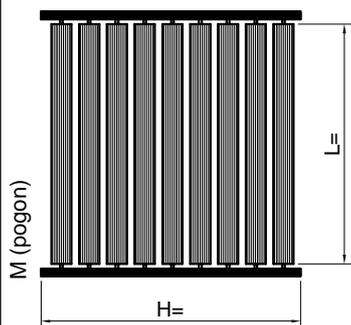
142.001
(GU "ELTRAL S-60")

375.027

385.005

521.055

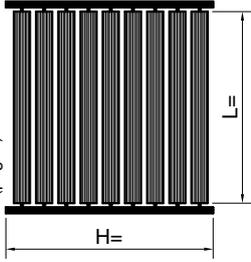
vijak M6x8 DIN 914



F-0904	..... H=	; kom.2
F-0770 (lamela)	..... l=	; kom.
375.029 (deklo)	.....	kom. broj lamela
375.028 (L+D)	.....	kom=broj lamela (pogonski dio)
391.010	.....	kom=broj lamelax2
375.026	.....	kom=(broj lamelax2)
521.055	.....	kom.1
391.012	.....	kom.2; l=.....
385.005	.....	kom.broj lamela
375.037	.....	kom.broj F-0904x2
142.001 (linijski motor)	.....	kom.1 (za segment površine do 20 m2)
142.002 (držač motora)	.....	kom.1
142.003 (montažni vijak motora)	.....	kom.1
Vijak M6x30 DIN 933	.....	kom.1 (spajanje 521.055 sa motorom)
(sa sigur.maticom i podloškom)		
Vijak M8x30 DIN 933	.....	kom.1 (spajanje 140.002 sa 140.003)
(sa maticom)		
Vijak 3.9x16 DIN 7982	.....	kom.16 (za fiksiranje 375.026 za profil)
Zakivna matica M5 sa vijkom M5x16	.....	kom.2 (za fiksiranje držača motora za profil)
DIN7985 ; A2		
Vijak 3.5x16 DIN 7982	.....	kom.=broj lamelax8 (za fiksiranje dekla za lamelu)
Vijak M5x10 DIN 914	.....	kom.=broj lamelax2 (za fiksiranje lamele za prijenosnik 391.010)
segerov prsten za osovinu	.....	kom.=broj lamela
Ø10 DIN 471		
segerov prsten za osovinu	.....	kom.=broj 391.010
Ø20 DIN 471		
Vijak M6x8 DIN 914	.....	kom.=broj 385.005
Vijak M5x16 DIN 933	.....	kom.=broj 521.055x3
(sa maticom i podloškom)		
F-0904	..... H=	; kom.3
F-0770 (lamela)	..... l=	; kom.
375.029 (deklo)	.....	kom. broj lamela
375.028 (L+D)	.....	kom=broj lamela (pogonski dio)
391.010	.....	kom=broj lamelax2
375.026	.....	kom=(broj lamelax2)
521.055	.....	kom.2
391.012	.....	kom.2; l=.....
385.005	.....	kom.broj lamela
375.037	.....	kom.broj F-0904x2
142.001 (linijski motor)	.....	kom.1 (za segment površine do 20 m2)
142.002 (držač motora)	.....	kom.1
142.003 (montažni vijak motora)	.....	kom.1
Vijak M6x30 DIN 933	.....	kom.1 (spajanje 521.055 sa motorom)
(sa sigur.maticom i podloškom)		
Vijak M8x30 DIN 933	.....	kom.1 (spajanje 140.002 sa 140.003)
(sa maticom)		
Vijak 3.9x16 DIN 7982	.....	kom.16 (za fiksiranje 375.026 za profil)
Zakivna matica M5 sa vijkom M5x16	.....	kom.2 (za fiksiranje držača motora za profil)
DIN7985 ; A2		
Vijak 3.5x16 DIN 7982	.....	kom.=broj lamelax8 (za fiksiranje dekla za lamelu)
Vijak M5x10 DIN 914	.....	kom.=broj lamelax2 (za fiksiranje lamele za prijenosnik 391.010)
segerov prsten za osovinu	.....	kom.=broj lamela
Ø10 DIN 471		
segerov prsten za osovinu	.....	kom.=broj 391.010
Ø20 DIN 471		
Vijak M6x8 DIN 914	.....	kom.=broj 385.005
Vijak M5x16 DIN 933	.....	kom.=broj 521.055x3
(sa maticom i podloškom)		

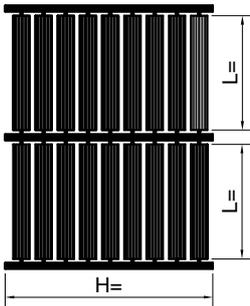
M (pogon)		M (pogon)	
F-0904	..... H= ; kom.2	F-0904	..... H= ; kom.3
F-0893 (lamela)	..... l= ; kom.	F-0893 (lamela)	..... l= ; kom.
375.033 (deklo)	..... kom. broj lamela	375.033 (deklo)	..... kom. broj lamela
375.032 (L )	..... kom.=broj lamela (pogonski dio)	375.032 (L+D)	..... kom.=broj lamela (pogonski dio)
391.010	..... kom.=broj lamelax2	391.010	..... kom.=broj lamelax2
375.026	..... kom.= (broj lamelax2)	375.026	..... kom.= (broj lamelax2)
371.004 (l=151 mm)	..... kom.= (broj lamelax2)-2	371.004 (l=151 mm)	..... kom.= (broj lamelax2)-4
521.055	..... kom.1	521.055	..... kom.2
391.012	..... kom.1; l=.....	391.012	..... kom.2; l=.....
385.005	..... kom.broj lamela	385.005	..... kom.broj lamela
375.037	..... kom.broj F-0904x2	375.037	..... kom.broj F-0904x2
142.001 (linijski motor)	..... kom.1 (za segment površine do 20 m2)	142.001 (linijski motor)	..... kom.1 (za segment površine do 20 m2)
142.002 (držač motora)	..... kom.1	142.002 (držač motora)	..... kom.1
142.003 (montažni vijak motora)	..... kom.1	142.003 (montažni vijak motora)	..... kom.1
Vijak M6x30 DIN 933	..... kom.1 (spajanje 521.055 sa motorom)	Vijak M6x30 DIN 933	..... kom.1 (spajanje 521.055 sa motorom)
(sa sigur.maticom i podloškom)		(sa sigur.maticom i podloškom)	
Vijak M8x30 DIN 933	..... kom.1 (spajanje 140.002 sa 140.003)	Vijak M8x30 DIN 933	..... kom.1 (spajanje 140.002 sa 140.003)
(sa maticom)		(sa maticom)	
Vijak 3.9x16 DIN 7982	..... kom.8 (za fiksiranje 375.026 za profil)	Vijak 3.9x16 DIN 7982	..... kom.16 (za fiksiranje 375.026 za profil)
Zakivna matica M5 sa vijkom M5x16	..... kom.2 (za fiksiranje držača motora za profil)	Zakivna matica M5 sa vijkom M5x16	..... kom.2 (za fiksiranje držača motora za profil)
DIN7985; A2		DIN7985; A2	
Vijak 3.5x32 DIN 7982	..... kom.=broj lamelax12 (za fiksiranje dekla za lamelu)	Vijak 3.5x32 DIN 7982	..... kom.=broj lamelax12 (za fiksiranje dekla za lamelu)
Vijak M5x16 DIN 914	..... kom.=broj lamela (za fiksiranje lamele za prijenosnik 391.010)	Vijak M5x16 DIN 914	..... kom.=broj lamela (za fiksiranje lamele za prijenosnik 391.010)
segerov prsten za osovinu	..... kom.=broj lamela	segerov prsten za osovinu	..... kom.=broj lamela
Ø10 DIN 471		Ø10 DIN 471	
segerov prsten za osovinu	..... kom.=broj 391.010	segerov prsten za osovinu	..... kom.=broj 391.010
Ø20 DIN 471		Ø20 DIN 471	
Vijak M6x8 DIN 914	..... kom.=broj 385.005	Vijak M6x8 DIN 914	..... kom.=broj 385.005
Vijak M5x16 DIN 933	..... kom.=broj 521.055x3	Vijak M5x16 DIN 933	..... kom.=broj 521.055x3
(sa maticom i podloškom)		(sa maticom i podloškom)	

M (pogon)



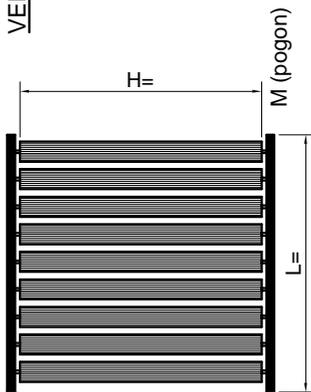
F-0904	..... H= ; kom.2	
F-0768 (lamela)	..... l= ; kom.	
375.035 (deklo)	..... kom. broj lamela	
375.034 (L )	..... kom.=broj lamela (pogonski dio)	
391.010	..... kom.=broj lamelax2	
391.013	..... kom.=broj lamelax2	
391.014	..... kom.=broj lamelax2	
375.036	..... kom.=broj lamelax3	
375.026	..... kom.= (broj lamelax2)	
371.005 (l=261 mm)	..... kom.= (broj lamelax2)-2	
521.055	..... kom.1	
391.012	..... kom.1; l=.....	
385.005	..... kom.broj lamela	
375.037	..... kom.broj F-0904x2	
142.001 (linijski motor)	..... kom.1 (za segment površine do 20 m2)	
142.002 (držač motora)	..... kom.1	
142.003 (montažni vijak motora)	..... kom.1	
Vijak M6x25 DIN 933	..... kom.1 (spajanje 521.055 sa motorom)	
(sa sigur.maticom i podloškom)		
Vijak M8x30 DIN 933	..... kom.1 (spajanje 140.002 sa 140.003)	
(sa maticom)		
Vijak 3.9x16 DIN 7982	..... kom.8 (za fiksiranje 375.026 za profil)	
Zakivna matica M5 sa vijkom M5x16	..... kom.2 (za fiksiranje držača motora za profil)	
DIN7985; A2		
Vijak 3.5x32 DIN 7982	..... kom.=broj lamelax12 (za fiksiranje dekla za lamelu)	
Vijak M5x25 DIN 914	..... kom.=broj lamela (za fiksiranje lamele za prijenosnik 391.010)	
segerov prsten za osovinu	..... kom.=broj lamela	
Ø10 DIN 471	..... kom.=broj lamela	
segerov prsten za osovinu	..... kom.=broj 391.010	
Ø20 DIN 471		
Vijak M6x8 DIN 914	..... kom.=broj 385.005	
Vijak M5x16 DIN 933	..... kom.=broj 521.055	
(sa maticom i podloškom)		

M (pogon)



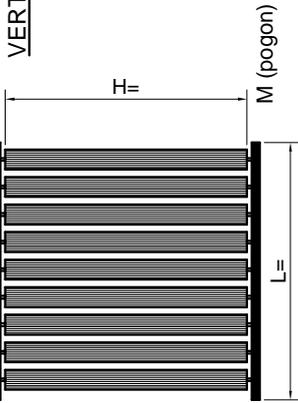
F-0904	..... H= ; kom.3	
F-0768 (lamela)	..... l= ; kom.	
375.035 (deklo)	..... kom. broj lamela	
375.034 (L+D)	..... kom.=broj lamela (pogonski dio)	
391.010	..... kom.=broj lamelax2	
391.013	..... kom.=broj lamelax2	
391.014	..... kom.=broj lamelax2	
375.036	..... kom.=broj lamelax3	
DB-133	..... kom.= (broj lamelax2)	
371.005 (l=261 mm)	..... kom.= (broj lamelax2)-4	
521.055	..... kom.2	
391.012	..... kom.2; l=.....	
385.005	..... kom.broj lamela	
375.037	..... kom.broj F-0904x2	
142.001 (linijski motor)	..... kom.1 (za segment površine do 20 m2)	
142.002 (držač motora)	..... kom.1	
142.003 (montažni vijak motora)	..... kom.1	
Vijak M6x30 DIN 933	..... kom.1 (spajanje 521.055 sa motorom)	
(sa sigur.maticom i podloškom)		
Vijak M8x30 DIN 933	..... kom.1 (spajanje 140.002 sa 140.003)	
(sa maticom)		
Vijak 3.9x16 DIN 7982	..... kom.16 (za fiksiranje 375.026 za profil)	
Zakivna matica M5 sa vijkom M5x16	..... kom.2 (za fiksiranje držača motora za profil)	
DIN7985; A2		
Vijak 3.5x32 DIN 7982	..... kom.=broj lamelax12 (za fiksiranje dekla za lamelu)	
Vijak M5x25 DIN 914	..... kom.=broj lamela (za fiksiranje lamele za prijenosnik 391.010)	
segerov prsten za osovinu	..... kom.=broj lamela	
Ø10 DIN 471	..... kom.=broj lamela	
segerov prsten za osovinu	..... kom.=broj 391.010	
Ø20 DIN 471		
Vijak M6x8 DIN 914	..... kom.=broj 385.005	
Vijak M5x16 DIN 933	..... kom.=broj 521.055	
(sa maticom i podloškom)		

VERTIKALNI BRISOLEJI-lamela 140 mm



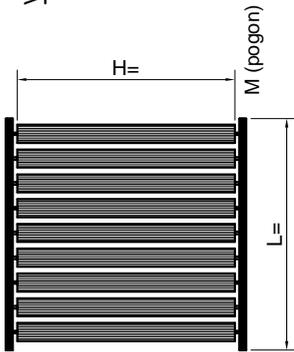
F-0904	..... L=	; kom.2
F-0770 (lamela)	..... H=	; kom.
375.029 (dekle)	.....	kom. broj lamela
375.028 (L )	.....	kom=broj lamela (pogonski dio)
391.010	.....	kom=broj lamela
391.011	.....	kom=broj lamela
375.026	.....	kom=broj lamela
375.027	.....	kom=broj lamela
521.055	.....	kom.1
391.012	.....	kom.1; l=.....
385.005	.....	kom.broj lamela
375.037	.....	kom.broj F-0904x2
142.001 (linijski motor)	.....	kom.1 (za segment površine do 20 m2)
142.002 (držač motora)	.....	kom.1
142.003 (montažni vijak motora)	.....	kom.1
Vijak M6x25 DIN 933	.....	kom.1 (spajanje 521.055 sa motorom)
(sa sigur.maticom i podloškom)	.....
Vijak M8x30 DIN 933	.....	kom.1 (spajanje 140.002 sa 140.003)
(sa maticom)	.....
Vijak 3.9x16 DIN 7982	.....	kom.8 (za fiksiranje 375.026 za profil)
Zakivna matica M5 sa vijkom M5x16	.....	kom.2 (za fiksiranje držača motora za profil)
DIN7985; A2	.....
Vijak 3.5x16 DIN 7982	.....	kom.=broj lamelax8 (za fiksiranje dekla za lamelu)
Vijak M5x10 DIN 914	.....	kom.=broj lamela (za fiksiranje lamele za prijenosnik 391.010)
segerov prsten za osovinu	.....	kom.=broj lamela
Ø10 DIN 471	.....
segerov prsten za osovinu	.....	kom.=broj (391.010)+2x(391.011)
Ø20 DIN 471	.....
Vijak M6x8 DIN 914	.....	kom.=broj 385.005
Vijak M5x16 DIN 933	.....	kom.=broj 521.055x3
(sa maticom i podloškom)	.....

VERTIKALNI BRISOLEJI-lamela 220 mm



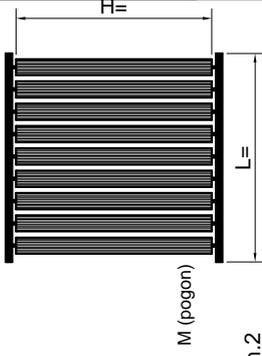
F-0904	..... L=	; kom.2
F-0769 (lamela)	..... H=	; kom.
375.031 (dekle)	.....	kom. broj lamela
375.030 (L )	.....	kom=broj lamela (pogonski dio)
391.010	.....	kom=broj lamela
391.011	.....	kom=broj lamela
375.026	.....	kom=broj lamela
375.027	.....	kom=broj lamela
371.003 (l=81mm)	.....	kom=(broj lamelax2)-2
521.055	.....	kom.1
391.012	.....	kom.1; l=.....
385.005	.....	kom.broj lamela
375.037	.....	kom.broj F-0904x2
142.001 (linijski motor)	.....	kom.1 (za segment površine do 20 m2)
142.002 (držač motora)	.....	kom.1
142.003 (montažni vijak motora)	.....	kom.1
Vijak M6x25 DIN 933	.....	kom.1 (spajanje 521.055 sa motorom)
(sa sigur.maticom i podloškom)	.....
Vijak M8x30 DIN 933	.....	kom.1 (spajanje 140.002 sa 140.003)
(sa maticom)	.....
Vijak 3.9x16 DIN 7982	.....	kom.8 (za fiksiranje 375.026 za profil)
Zakivna matica M5 sa vijkom M5x16	.....	kom.2 (za fiksiranje držača motora za profil)
DIN7985; A2	.....
Vijak 3.5x22 DIN 7982	.....	kom.=broj lamelax12 (za fiksiranje dekla za lamelu)
Vijak M5x10 DIN 914	.....	kom.=broj lamela (za fiksiranje lamele za prijenosnik 391.010)
segerov prsten za osovinu	.....	kom.=broj lamela
Ø10 DIN 471	.....
segerov prsten za osovinu	.....	kom.=broj (391.010)+2x(391.011)
Ø20 DIN 471	.....
Vijak M6x8 DIN 914	.....	kom.=broj 385.005
Vijak M5x16 DIN 933	.....	kom.=broj 521.055x3
(sa maticom i podloškom)	.....

VERTIKALNI BRISOLEJI-lamela 300

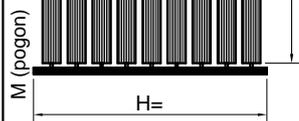


F-0904	..... L= ; kom.2	
F-0893 (lamela)	..... H= ; kom.	
375.033 (deklo)	..... kom. broj lamela	
375.032 (L )	..... kom.=broj lamela (pogonski dio)	
391.010	..... kom.=broj lamela	
391.011	..... kom.=broj lamela	
375.026	..... kom.=broj lamela	
375.027	..... kom.=broj lamela	
371.004 (l=151mm)	..... kom.=(broj lamelax2)-2	
521.055	..... kom.1	
391.012	..... kom.1; l=.....	
385.005	..... kom.broj lamela	
375.037	..... kom.broj F-0904x2	
142.001 (linijski motor)	..... kom.1 (za segment površine do 20 m2)	
142.002 (držač motora)	..... kom.1	
142.003 (montažni vijak motora)	..... kom.1	
Vijak M6x25 DIN 933	..... kom.1 (spajanje 521.055 sa motorom)	
(sa sigur.maticom i podloškom)		
Vijak M8x30 DIN 933	..... kom.1 (spajanje 140.002 sa 140.003)	
(sa maticom)		
Vijak 3.9x16 DIN 7982	..... kom.8 (za fiksiranje 375.026 za profil)	
Zakivna matica M5 sa vijkom M5x16	..... kom.2 (za fiksiranje držača motora za profil)	
DIN7985; A2		
Vijak 3.5x32 DIN 7982	..... kom.=broj lamelax12 (za fiksiranje dekla za lamelu)	
Vijak M5x16 DIN 914	..... kom.=broj lamela (za fiksiranje lamele za	
segerov prsten za osovinu	..... kom.=broj lamela prijenosnik 391.010)	
Ø10 DIN 471		
segerov prsten za osovinu	..... kom.=broj (391.010)+2x(391.011)	
Ø20 DIN 471		
Vijak M6x8 DIN 914	..... kom.=broj 385.005	
Vijak M5x16 DIN 933	..... kom.=broj 521.055x3	
(sa maticom i podloškom)		

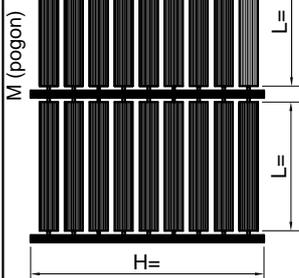
VERTIKALNI BRISOLEJI-lamela 400 mm



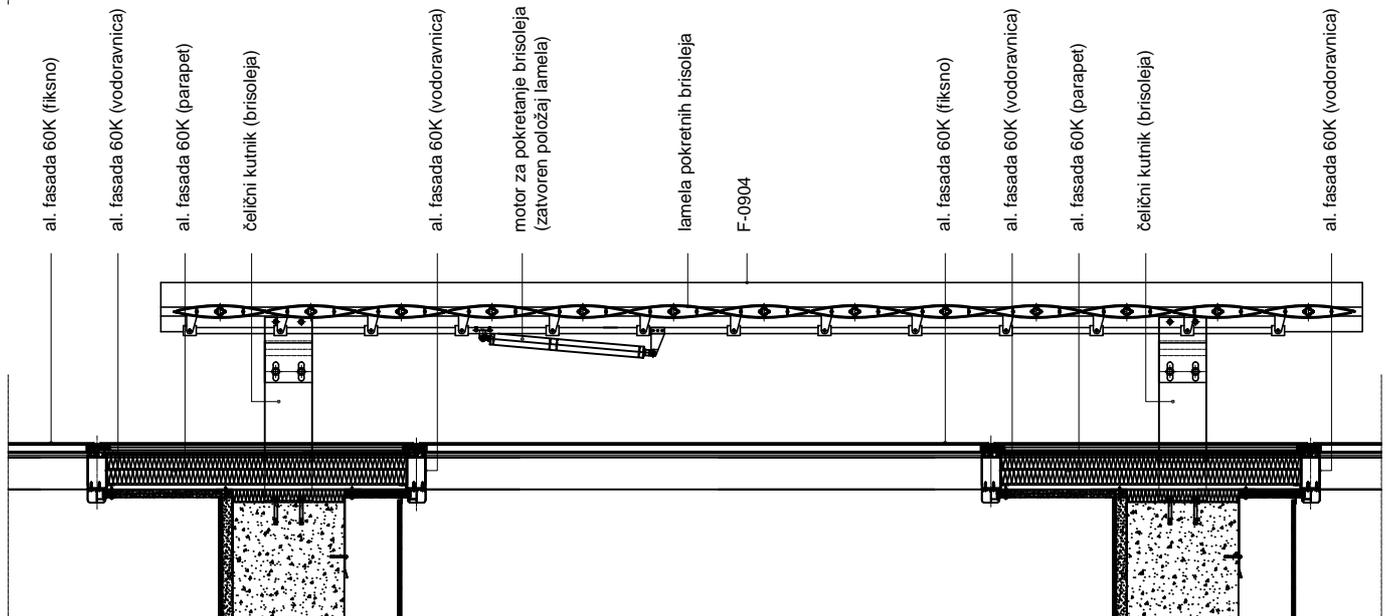
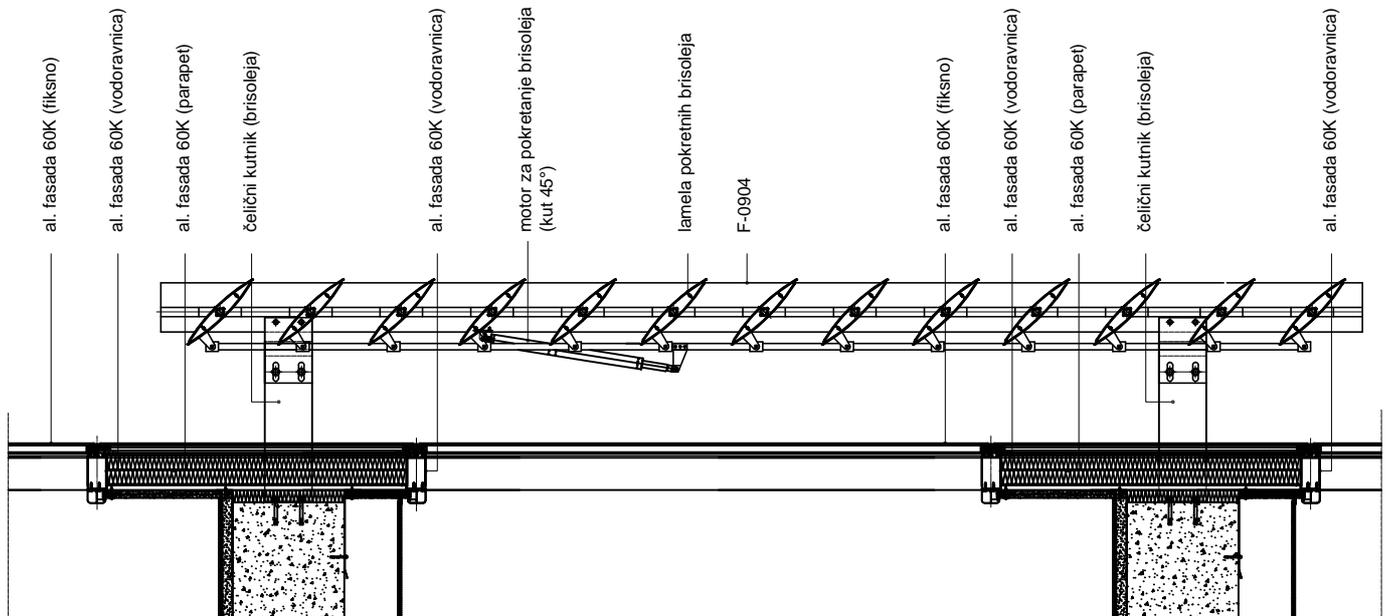
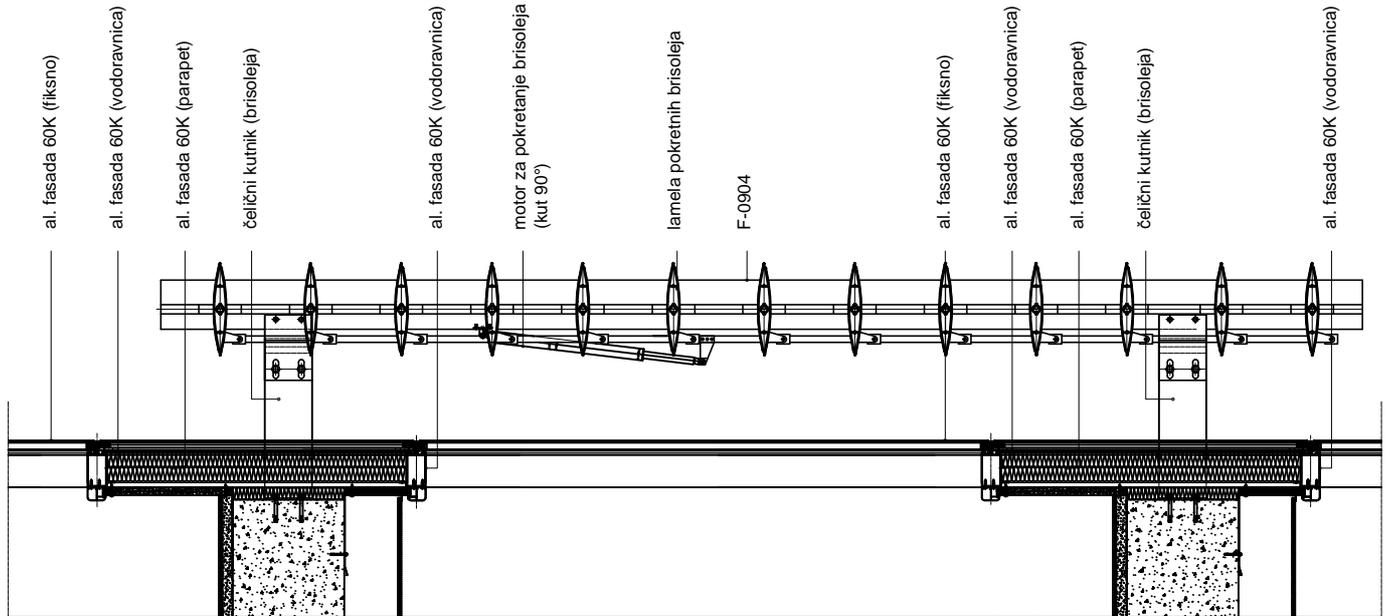
F-0904	..... L= ; kom.2	
F-0768 (lamela)	..... H= ; kom.	
375.035 (deklo)	..... kom. broj lamela	
375.034 (L )	..... kom.=broj lamela (pogonski dio)	
391.013	..... kom.=broj lamelax2	
391.014	..... kom.=broj lamelax2	
375.036	..... kom.=broj lamelax3	
391.010	..... kom.=broj lamela	
391.011	..... kom.=broj lamela	
375.026	..... kom.=broj lamela	
375.027	..... kom.=broj lamela	
371.005 (l=261 mm)	..... kom.=(broj lamelax2)-2	
521.055	..... kom.1	
391.012	..... kom.1; l=.....	
385.005	..... kom.broj lamela	
375.037	..... kom.broj F-0904x2	
142.001 (linijski motor)	..... kom.1 (za segment površine do 20 m2)	
142.002 (držač motora)	..... kom.1	
142.003 (montažni vijak motora)	..... kom.1	
Vijak M6x25 DIN 933	..... kom.1 (spajanje 521.055 sa motorom)	
(sa sigur.maticom i podloškom)		
Vijak M8x30 DIN 933	..... kom.1 (spajanje 140.002 sa 140.003)	
(sa maticom)		
Vijak 3.9x16 DIN 7982	..... kom.8 (za fiksiranje 375.026 za profil)	
Zakivna matica M5 sa vijkom M5x16	..... kom.2 (za fiksiranje držača motora za profil)	
DIN7985; A2		
Vijak 3.5x32 DIN 7982	..... kom.=broj lamelax12 (za fiksiranje dekla za lamelu)	
Vijak M5x25 DIN 914	..... kom.=broj lamela (za fiksiranje lamele za	
segerov prsten za osovinu	..... kom.=broj lamela prijenosnik 391.010)	
Ø10 DIN 471		
segerov prsten za osovinu	..... kom.=broj (391.010)+2x(391.011)	
Ø20 DIN 471		
Vijak M6x8 DIN 914	..... kom.=broj 385.005	
Vijak M5x16 DIN 933	..... kom.=broj 521.055x3	
(sa maticom i podloškom)		



F-0904	..... H= ; kom.2
391.016	..... kom.broj lamelax2
521.056	..... kom.broj lamela
521.055	..... kom.2
391.012	..... kom.2; l=.....
375.026	..... kom.broj lamelax2
371.002 (l=47 mm)	..... kom.(broj lamelax2)
391.015	..... pari=broj lamela
375.038	..... pari=broj lamela
385.005	..... kom.broj lamela
375.037	..... kom.broj F0904 X2
142.001 (linijski motor)	..... kom.1 (za segment površine do 20 m2)
142.002 (držač motor)	..... kom.1
142.003 (montažni vijak motora)	..... kom.1
Vijak M8x30 DIN 933 (sa maticom)	..... kom.1 (spajanje 140.002 sa 140.003)
Vijak 3.9x16 DIN 7982	..... kom.16 (za fixiranje 375.026 za profil)
Zakivna matica M5 sa vijkom M5x16 DIN7985; A2	..... kom.2(za fixiranje držača motora za profil)
Vijak M5x20 DIN 7991	..... kom.broj lamelax4 (za spajanje 391.015)
Vijak 3.5x19 DIN 7982	..... kom.broj lamelax2 (za spajanje 391.015)
Vijak 3.5x16 DIN 7982	..... kom.broj 521.056x2
Vijak M6x30 DIN 933 sa sigur.maticom i podloškom	..... kom.1 (spajanje 521.055 sa motorom)
Vijak 3.5x13 DIN 7982	..... kom.broj 375.038x2
Vijak M6x8 DIN 914	..... kom.broj 385.005
Segerov prsten za osovinu Ø10 DIN 471	..... kom.broj lamela
Segerov prsten za osovinu Ø20 DIN 471	..... kom.broj lamelax2
Vijak M5x16 DIN 933 sa maticom i podloškom	..... kom.broj lamela 521.055x3



F-0904	..... H= ; kom.3
391.016	..... kom.broj lamelax2
521.056	..... kom.broj lamela
521.055	..... kom.2
391.012	..... kom.2; l=.....
375.026	..... kom.broj lamelax2
371.002 (l=47 mm)	..... kom.(broj lamelax2)-4
391.015	..... pari=broj lamela
375.038	..... pari=broj lamela
385.005	..... kom.broj lamela
375.037	..... kom.broj F0904 X2
142.001 (linijski motor)	..... kom.1 (za segment površine do 20 m2)
142.002 (držač motor)	..... kom.1
142.003 (montažni vijak motora)	..... kom.1
Vijak M8x30 DIN 933 (sa maticom)	..... kom.1 (spajanje 140.002 sa 140.003)
Vijak 3.9x16 DIN 7982	..... kom.16 (za fixiranje 375.026 za profil)
Zakivna matica M5 sa vijkom M5x16 DIN7985; A2	..... kom.2(za fixiranje držača motora za profil)
Vijak M5x20 DIN 7991	..... kom.broj lamelax4 (za spajanje 391.015)
Vijak 3.5x19 DIN 7982	..... kom.broj lamelax2 (za spajanje 391.015)
Vijak 3.5x16 DIN 7982	..... kom.broj 521.056x2
Vijak M6x30 DIN 933 sa sigur.maticom i podloškom	..... kom.1 (spajanje 521.055 sa motorom)
Vijak 3.5x13 DIN 7982	..... kom.broj 375.038x2
Vijak M6x8 DIN 914	..... kom.broj 385.005
Segerov prsten za osovinu Ø10 DIN 471	..... kom.broj lamela
Segerov prsten za osovinu Ø20 DIN 471	..... kom.broj lamelax2
Vijak M5x16 DIN 933 sa maticom i podloškom	..... kom.broj lamela 521.055x3

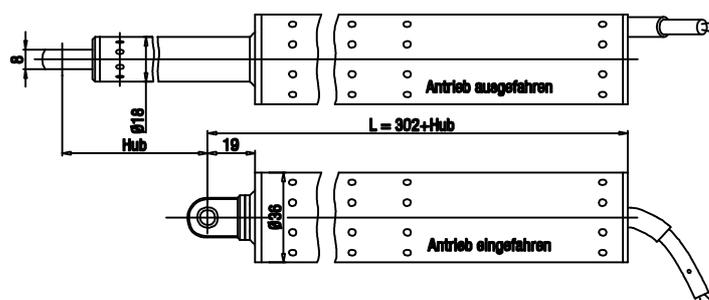


Priključiti mehanizam na električnu mrežu pomoću priloženih shema (uz odabrani motor dolaze i šematski prikazi za montažu motora) pri čemu se treba pridržavati upozorenja datih na tom području. Hod mehanizma definirajte na sljedeći način: istegljivu osovinu izvucite do kraja, uključite regulacijski mehanizam, dokle istegljiva osovinu dosegne željeni položaj. Provjerite, da li mehanizam radi pravilno.

KOD IZBORA MOTORA PAZITI DA JEMOTOR SA ZAŠTITOM "IP65" kao na primjer:

"A"

Maßzeichnung



Gesamtlänge

- Hub 300 mm L = 602 mm
- Hub 500 mm L = 802 mm
- Hub 750 mm L = 1052 mm
- Hub 1000 mm L = 1302 mm

Abmessungen

- (Hub + 302) x 36 mm L x ø

Technische Daten

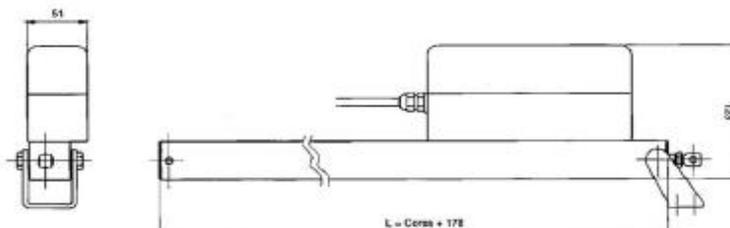
Antriebstyp	ELTRAL S80	ELTRAL S160
Nennspannung	24 V DC	
Zug-/Druckkraft	800 N	1600 N
Stromaufnahme	1,0 A	0,7 A
Abschaltstrom	1,4 A	1,2 A
Hubgeschwindigkeit	10,4 mm/s	7,1 mm/s
Einschaltdauer	30 %	
Zuhaltekraft	12000 N	
Schutzart	IP 65	
Anschlussleitung	Silikon, 2,5 m, 4-adrig	
Gehäuse	Aluminium eloxiert EV1	

"B"

APRILINEARE



DIMENSIONS APRILINEARE

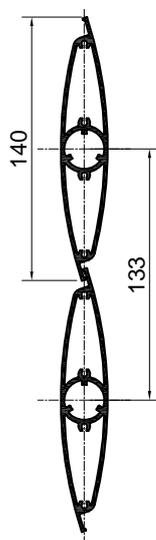
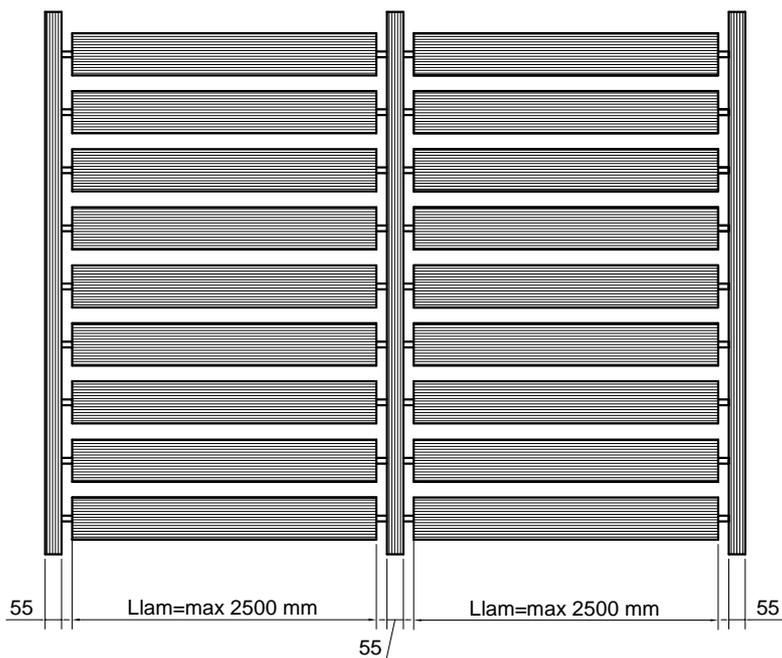


DESCRIPTION APRILINEARE SPEEDY	Stroke mm	Power supply V	CODE
APRI SPEEDY 55 - OXAR	550	24 Vdc	43522/001
APRI SPEEDY 80 - OXAR	800	230 Vac	43512/006
APRI SPEEDY 85 - OXAR	850	230 Vac	43512/005
APRI SPEEDY 95 - OXAR	950	230 Vac	43512/014
APRI SPEEDY 100 - OXAR	1000	230 Vac	43512/015
APRI SPEEDY 115 - OXAR	1150	230 Vac	43512/016
APRI SPEEDY 120 - OXAR	1200	230 Vac	43512/017
APRI SPEEDY 125 - OXAR	1250	230 Vac	43512/018
APRI SPEEDY 135 - OXAR	1350	230 Vac	43512/019
APRI SPEEDY 140 - OXAR	1400	230 Vac	43512/007

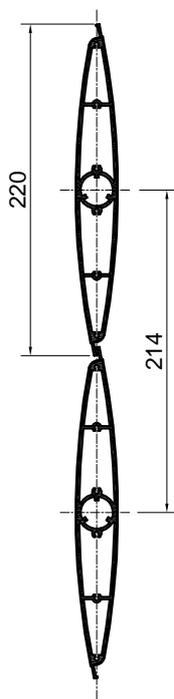
DESCRIPTION APRILINEARE	Stroke mm	Power supply V	CODE
APRI 17 230	170	230 Vac	43510/006
APRI 23 230	230	230 Vac	43510/007
APRI 35 230	350	230 Vac	43510/008
APRI 55 230	550	230 Vac	43510/013
APRI 75 230	750	230 Vac	43510/015
APRI 17 24	170	24 Vdc	43520/018
APRI 23 24	230	24 Vdc	43520/006
APRI 35 24	350	24 Vdc	43520/007
APRI 55 24	550	24 Vdc	43520/008
APRI 75 24	750	24 Vdc	43520/011



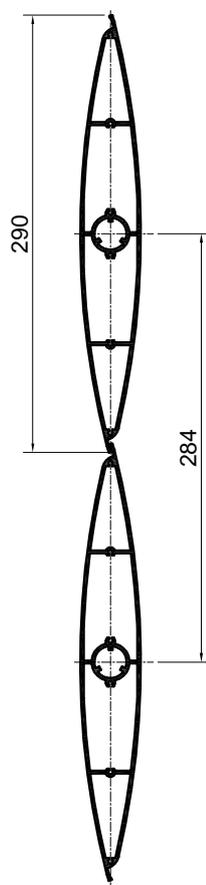
M (pogon)



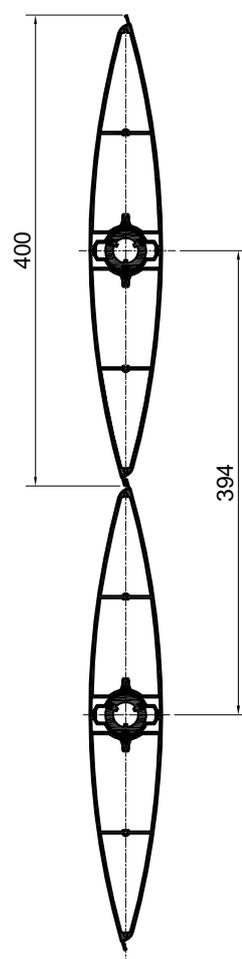
lamela 140



lamela 220



lamela 300



lamela 400

Dimenzije stakla obzirom na opterećenje vjetrom

Širina stakla B (mm)	Dužina stakla L (mm)	Fleksija f (mm)	debljina stakla (mm)	Opterećenje vjetrom (kN/m ²)
200	1900	0.8	10	0.5
200	2100	1.1	10	0.5
200	1700	0.8	10	0.8
200	1850	1.1	10	0.8
200	1550	0.8	10	0.8
200	1700	1.1	10	1.1