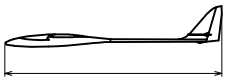
Marabu

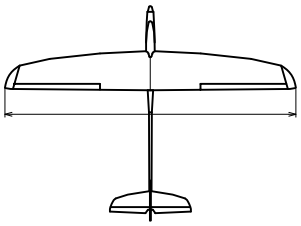
ELECTRO SAILPLANE

Manufactured by:
TOPMODEL CZ
679 05 HABRŮVKA 100 - CZECH REPUBLIC
www.topmodelcz.com
e-mail:info@topmodelcz.cz

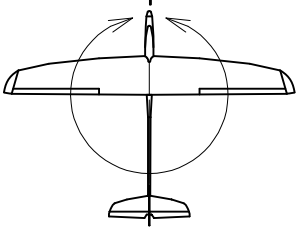
Order N°: 020125



1340mm



2750mm



48,7dm^2

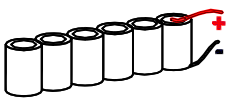
28,7-32,9g/dm^2

1,4 - 1,6kg

Radio system you'll need :

- ailerons - 2 servos
- flaps - 2 servos
- elevator
- rudder
- motor

KAVAN PRO 3548-900



3S Lixx 2,2-3Ah

MH 32 mod.

Není-li uvedeno jinak, všechny neoznačené míry jsou v milimetrech
UNLES STATED, ALL DIMENSIONS ARE IN MILIMETERS

Part #	Part name	Material/dimensions	Loose	In bag
	building instruction		01	
1	fuselage	fibreglass	01	
1-1	motor mount	fibreglass 3mm		01
1-2	servo tray	plywood 4x53x47mm		01
2	wing	balsa assembly	02	
2-1	aileron	balsa	02	
2-11	flap	balsa	02	
2-2	wing fixing screw	M4x16mm		02
2-21	centering pin	fibreglass Ø3x30mm		01
2-25	centering pin	fibreglass Ø4x60mm		02
2-3	wing nut	Al M4		02
2-31	nut mount	plywood 3x23x53mm		01
2-4	servo mount	plywood 5, Ø50mm		04
2-41	wing servo cover	ABS plastic		04
2-5	aileron&flap pushrod	steel M2/ Ø1,8mm		04
2-6	clevis	plastic L=23mm		04
2-8	aileron horn	fibreglass plate 1,5mm		02
2-81	flap horn	fibreglass plate 1,5mm		02
24	wing joiner	Alu+carbon Ø10x180mm		01
3	horizontal stabilizer	balsa assembly		01
3-21	centering pin	steel Ø2x70mm		01
3-3	elevator joiner	fibreglass Ø3x150mm		01
3-5	elevator link	carbon tube Ø4/3x1000mm	01	
3-6F	clevis	plastic L=23mm		01
3-6R	metal clevis, nut M2	metal M2, nut M2		01+01
3-7	threaded coupler	Aluminium Ø4/M2		02
3-8	elevator horn	plastic		01
4	fin	balsa assembly	01	
4-3	closing strip	balsa 5mm		01
4-5	ruder link	bowden Ø3/2mm, Ø2/1mm, steel Ø0,8mm	01 + 01 + 01	
4-6	clevis	plastic L=23mm		01
4-7	threaded rod tip M2	brass M2		01
4-8	rudder horn	fibreglass plate 1,5mm		01
6	canopy	fibreglass	01	
6-1	piano wire	steel Ø1,2x176mm		01
6-2	fibreglass fabric	20x100mm		01
7	stickers			
11	pinned hinge	plastic 16x32mm		02

RECOMMENDED EQUIPMENT				
		Pieces		Item No. www.topmodelcz.com
servo	Blue Bird BMS-115HV+	4	ailerons & flaps	3427
	Blue Bird BMS-125WV+	2	elevator & rudder	3620
motor	KAVAN PRO 3548-900	1		KAV30.2026
controller	KAVAN R-60SB Plus	1		KAV32.42023
spinner	turbo Ø40;5;8	1		0201559
propeller	KAVAN Carbon 12x6"	1		KAV50.2.1206F
battery	3S ~2,5 - 3Ah	1		

ATTENTION!

This modelconstruction kit is not a toy and is not suitable for childern under the age of 14. Incorrect use of this model could cause material damage or personal injury. You are fully responsible for your actions when you use this model.

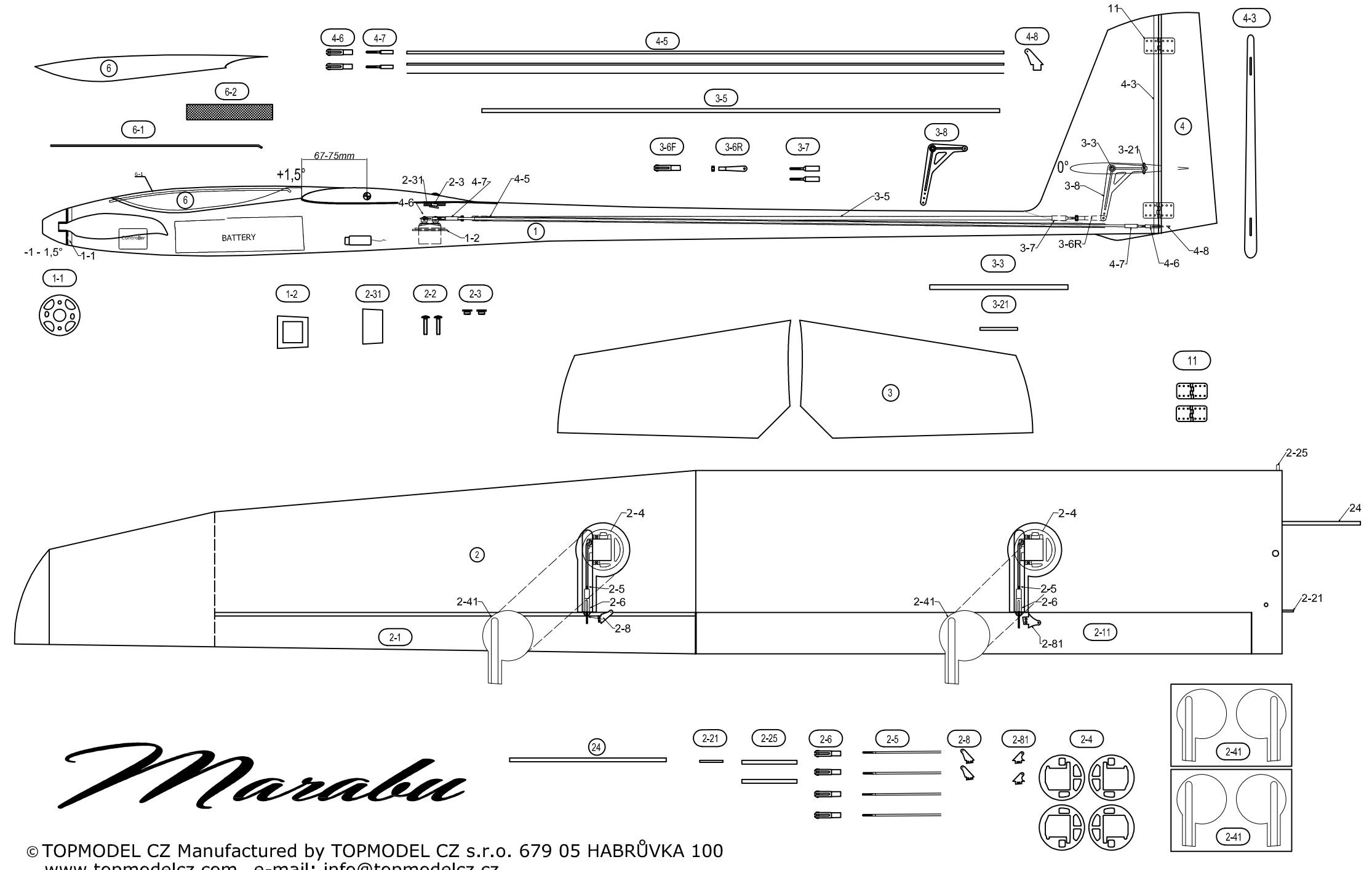
Fly at a safe distance from occupied zones. Before switching on the radio, be sure, that no one else is using the same frequency as you !

Before first take-off check up please the center of gravity, the sense and size of the control surface angle and if model aeroplane parts aren´t crooked. The reparation is possible through the use of hot-air dryer.

Položka	Název dílu	Materiál/rozměr	Volně/ks	Balíček/ks
	montážní návod		01	
1	trup	laminát	01	
1-1	motorová přepážka	sklotextit 3mm		01
1-2	držák serv OP	překližka 4x53x47mm		01
2	křídlo	balsa konstrukční	02	
2-1	křidélko	balsa	02	
2-11	vztlaková klapka	balsa	02	
2-2	šroub křídla	M4x16mm		02
2-21	aretační kolík	laminát Ø3x30mm		01
2-25	aretační kolík	laminát Ø4x60mm		02
2-3	matice křídla	Al. M4		02
2-31	podložka matice	překližka 3x23x53mm		01
2-4	držák serva	překližka 5, Ø50mm		04
2-41	krytka serva	ABS folie		04
2-5	táhlo křidélka a klapky	ocel M2 / Ø1,8mm		04
2-6	koncovka táhla	plast L=23mm		04
2-8	páka křidélka	sklotextit 1,5mm		02
2-81	páka klapky	sklotextit 1,5mm		02
24	spojka křídla	Alu+uhlík Ø10x180mm		01
3	výškovka	balsa konstrukční	02	
3-21	aretační kolík	ocel Ø2mm L=70mm		01
3-3	spojka VOP	laminát Ø3mm L=150mm		01+01
3-5	táhlo VOP	uhlík trubka Ø4 L=1000mm	01	
3-6F	vidlička	plast L=23mm		01
3-6R	vidlička kovová M2, matice M2	kov M2		01+01
3-7	koncovka táhla	Al Ø4/M2		01
3-8	páka VOP	plast		01
4	směrovka	balsa konstrukční	01	
4-3	steven	balsa 5mm		01
4-5	táhlo směrovky	bovden Ø3/2mm, Ø2/1mm ocel. drát Ø0,8x1000mm	01+01 +01	
4-6	koncovka táhla	plast L=23mm		02
4-7	spojka táhla	mosaz M2		02
4-8	páka směrovky	sklotextit 1,5mm		01
6	kabina	laminát	01	
6-1	uchcení kabiny	ocel Ø1,2x176mm		01
6-2	skelná tkanina	20x100mm		01
7	obtisky			
11	závěsy kormidel	plast 16x32mm		02

Doporučená výbava				
		Kusů		Obj.číso www.topmodelcz.com
servo	Blue Bird BMS-115HV+	4	pro křidélka a klapky	3427
	Blue Bird BMS-125WV+	2	pro směrovku a výškovku	3620
motor	KAVAN PRO 3548-900	1		KAV30.2026
regulátor	KAVAN R-60SB Plus	1		KAV32.42023
kužel	Turbo Ø40;5;8	1		0201559
listy vrtule	KAVAN Carbon 12x6"	1		KAV50.2.1206F
akumulátor	3S ~2,5 - 3Ah	1		

Před prvním startem zkontrolujte jestli nejsou díly modelu zkroucené. Náprava je možná pomocí horkovzdušné pistole. Dále zkontrolujte polohu těžiště, smysl a velikost výchylek kormidel.



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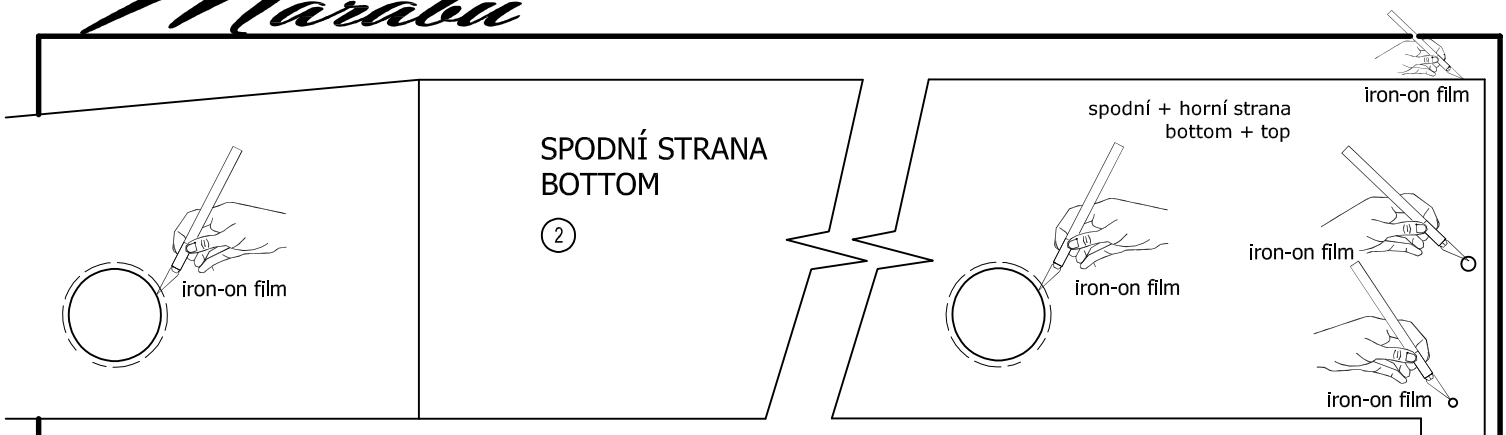

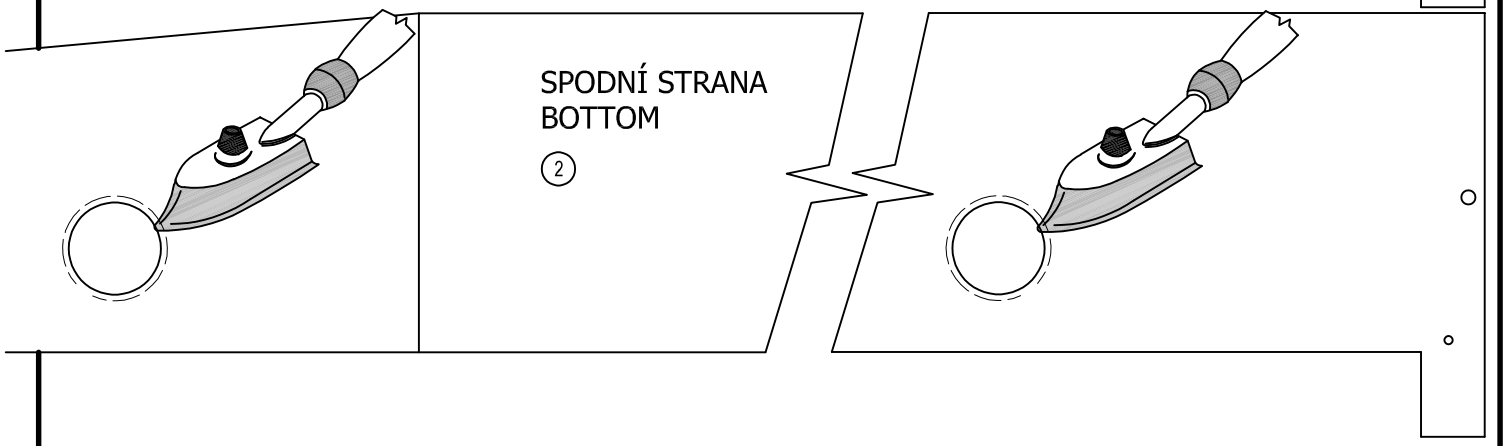

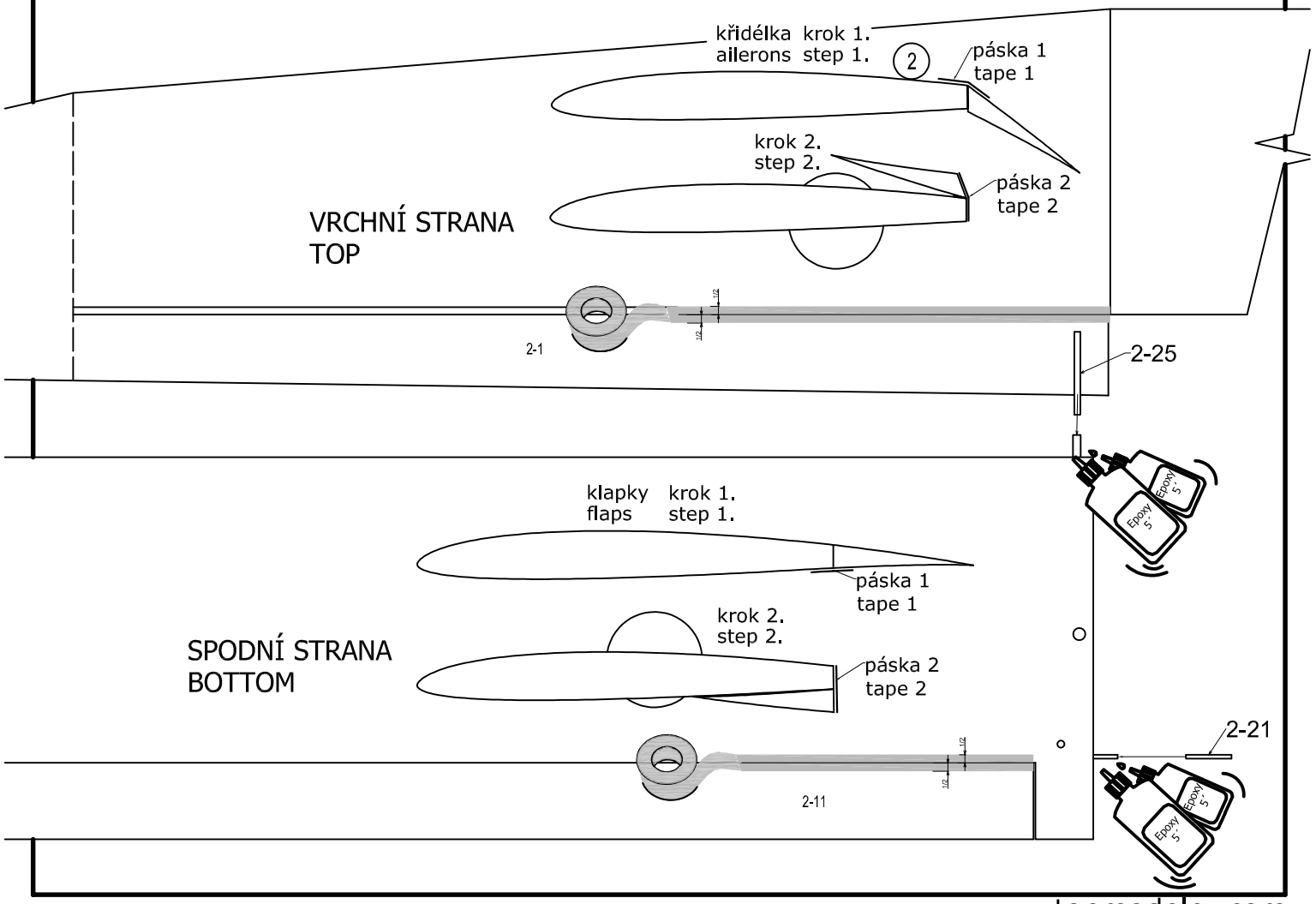

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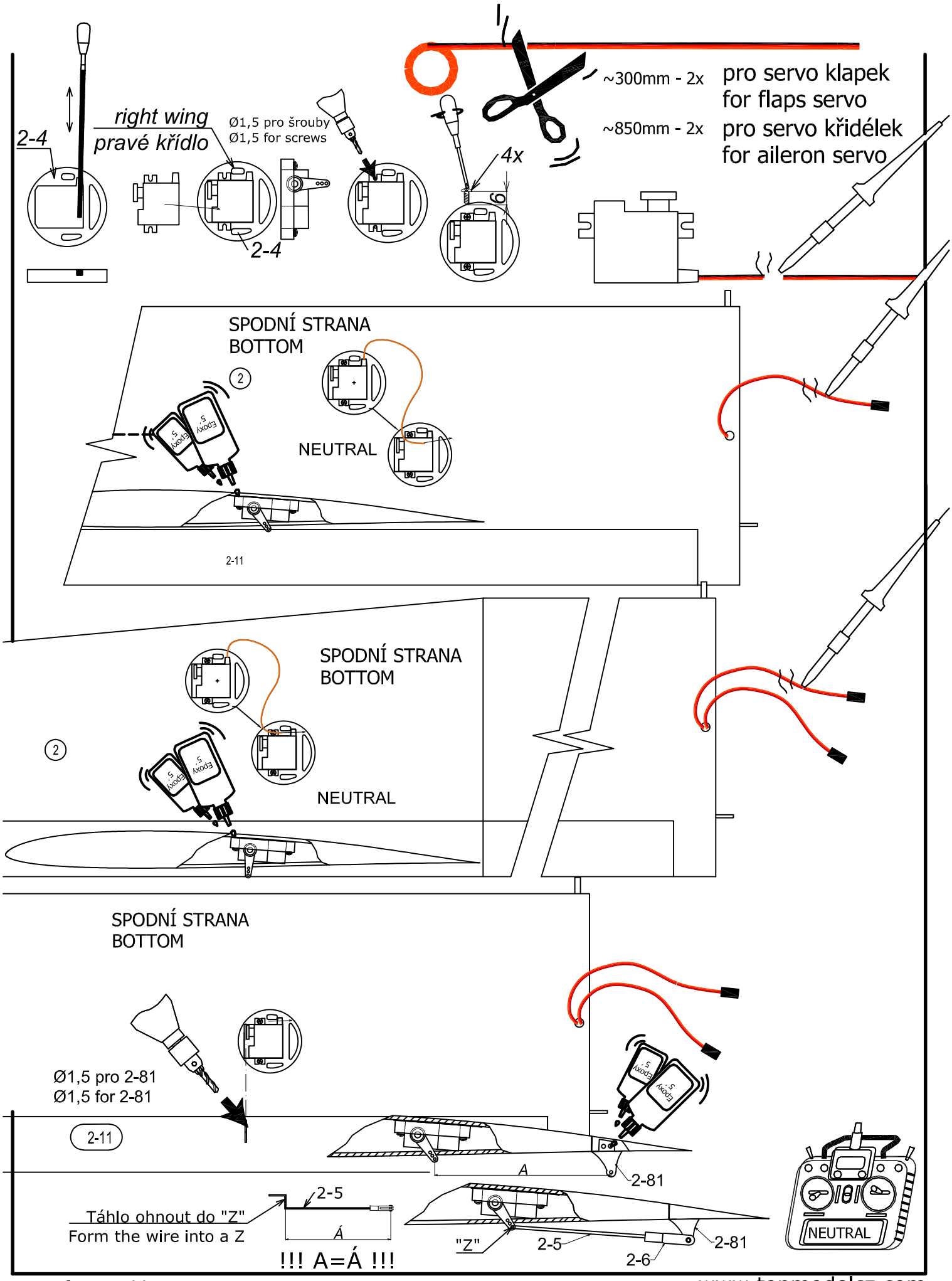

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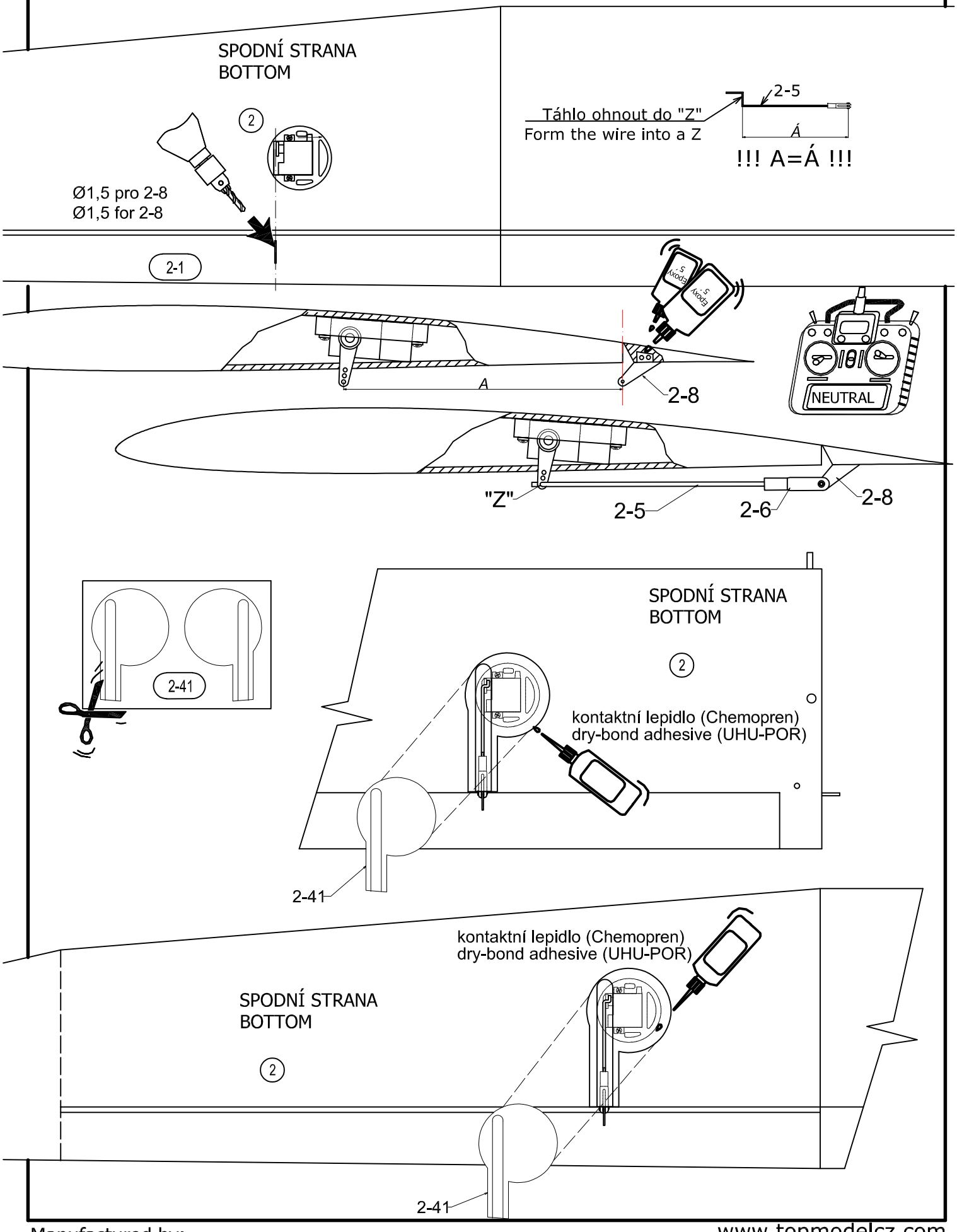
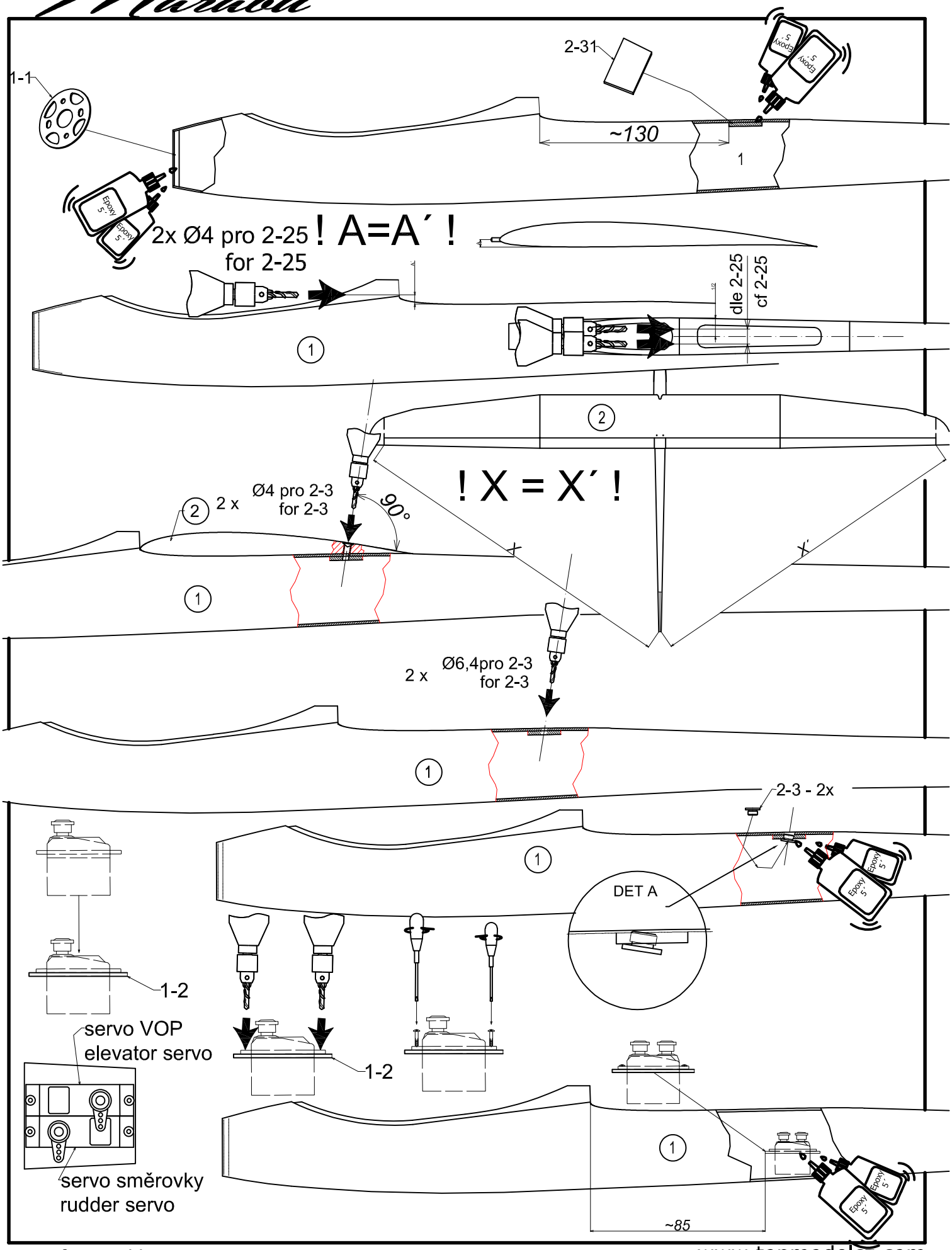

SPODNÍ STRANA
BOTTOM
2
Ø1,5 pro 2-8
Ø1,5 for 2-8
Táhlo ohnout do "Z"
Form the wire into a Z
2-5
Á
!!! A=Á !!!
2-1
EPOXY 5
A
2-8
NEUTRAL
"Z"
2-5
2-6
2-8
2-41
SPODNÍ STRANA
BOTTOM
2
kontaktní lepidlo (Chemopren)
dry-bond adhesive (UHU-POR)
2-41
kontaktní lepidlo (Chemopren)
dry-bond adhesive (UHU-POR)
SPODNÍ STRANA
BOTTOM
2
2-41



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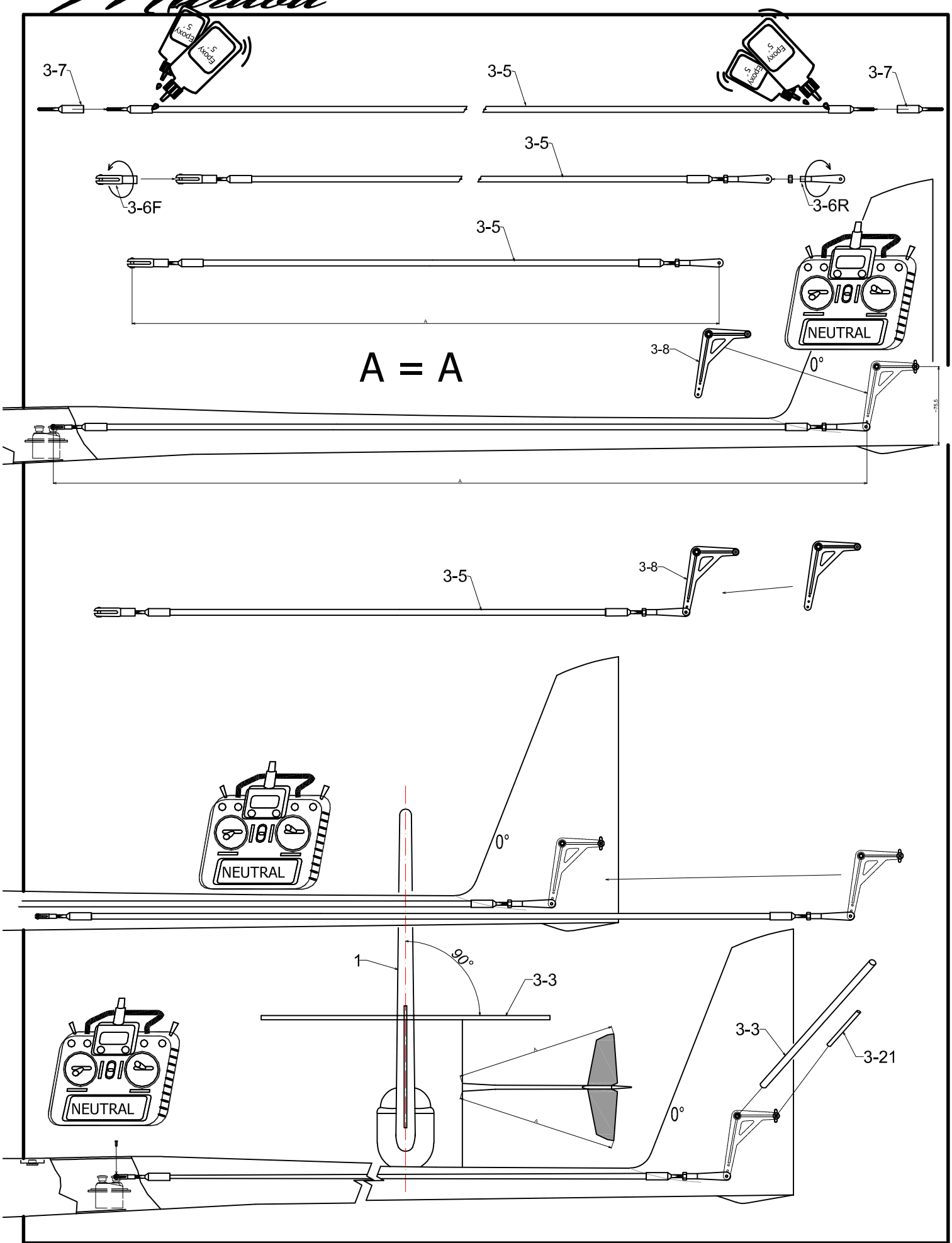
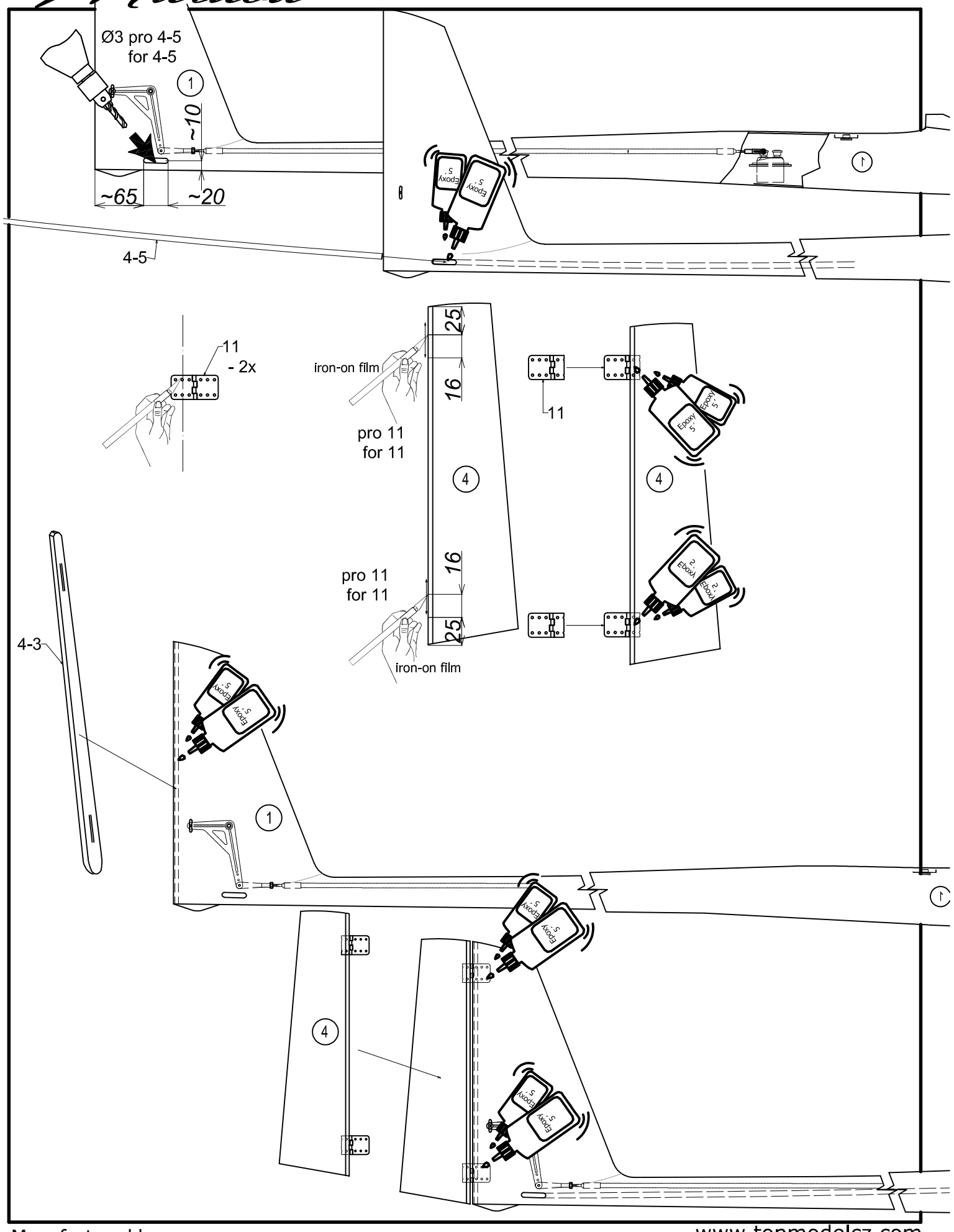
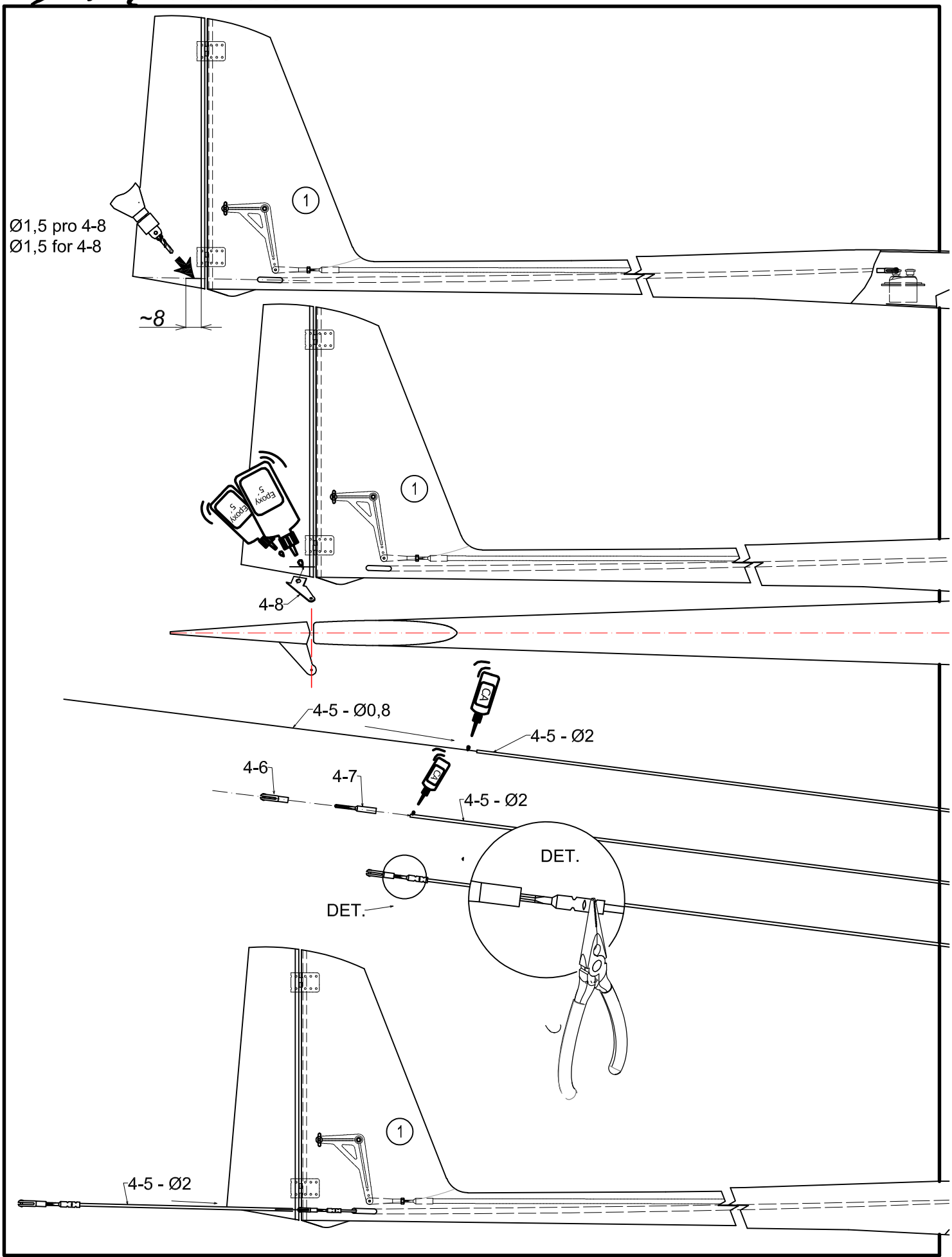

3-7
3-5
3-7
3-5
3-6F
3-6R
3-5
NEUTRAL
3-8
A = A
0°
3-5
3-8
NEUTRAL
0°
NEUTRAL
1
90°
3-3
3-3
3-21
0°


Ø3 pro 4-5
for 4-5
~10
~65
~20
4-5
11
- 2x
iron-on film
25
16
pro 11
for 11
4
11
Epoxy 5'
pro 11
for 11
16
25
iron-on film
4-3
1
4
Epoxy 2'



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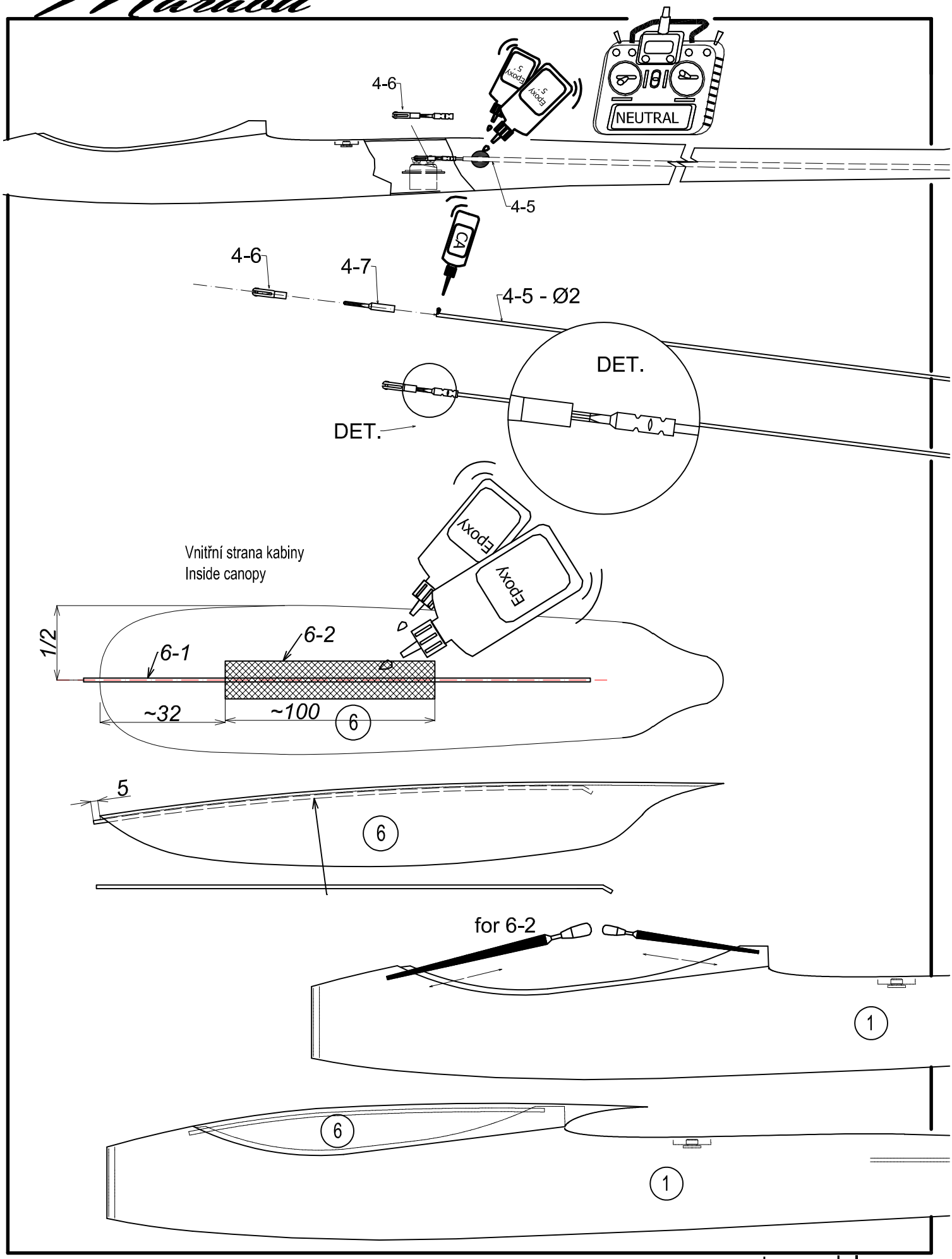
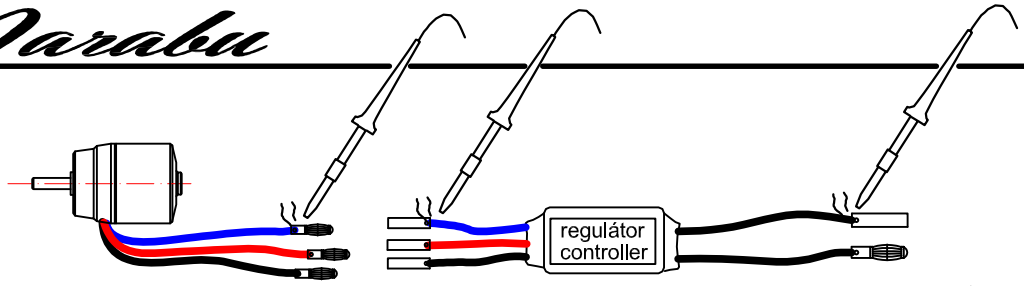
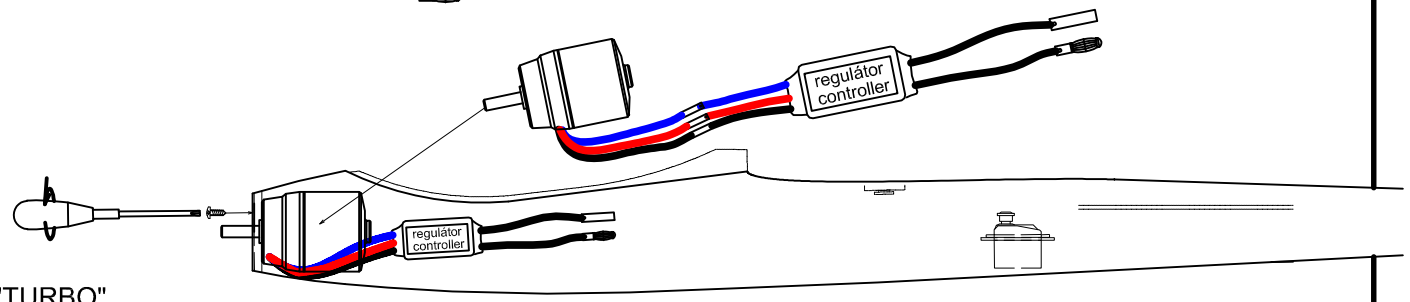
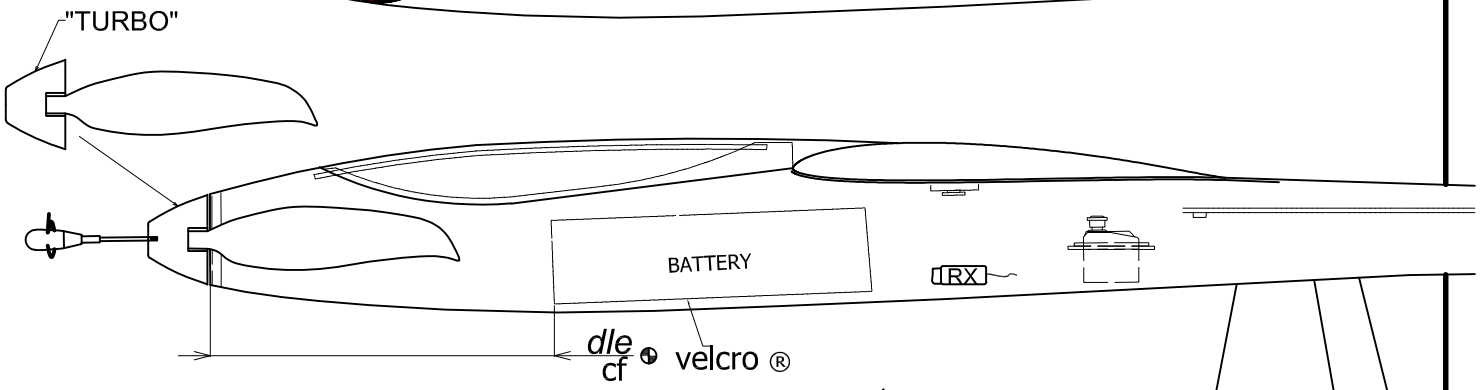
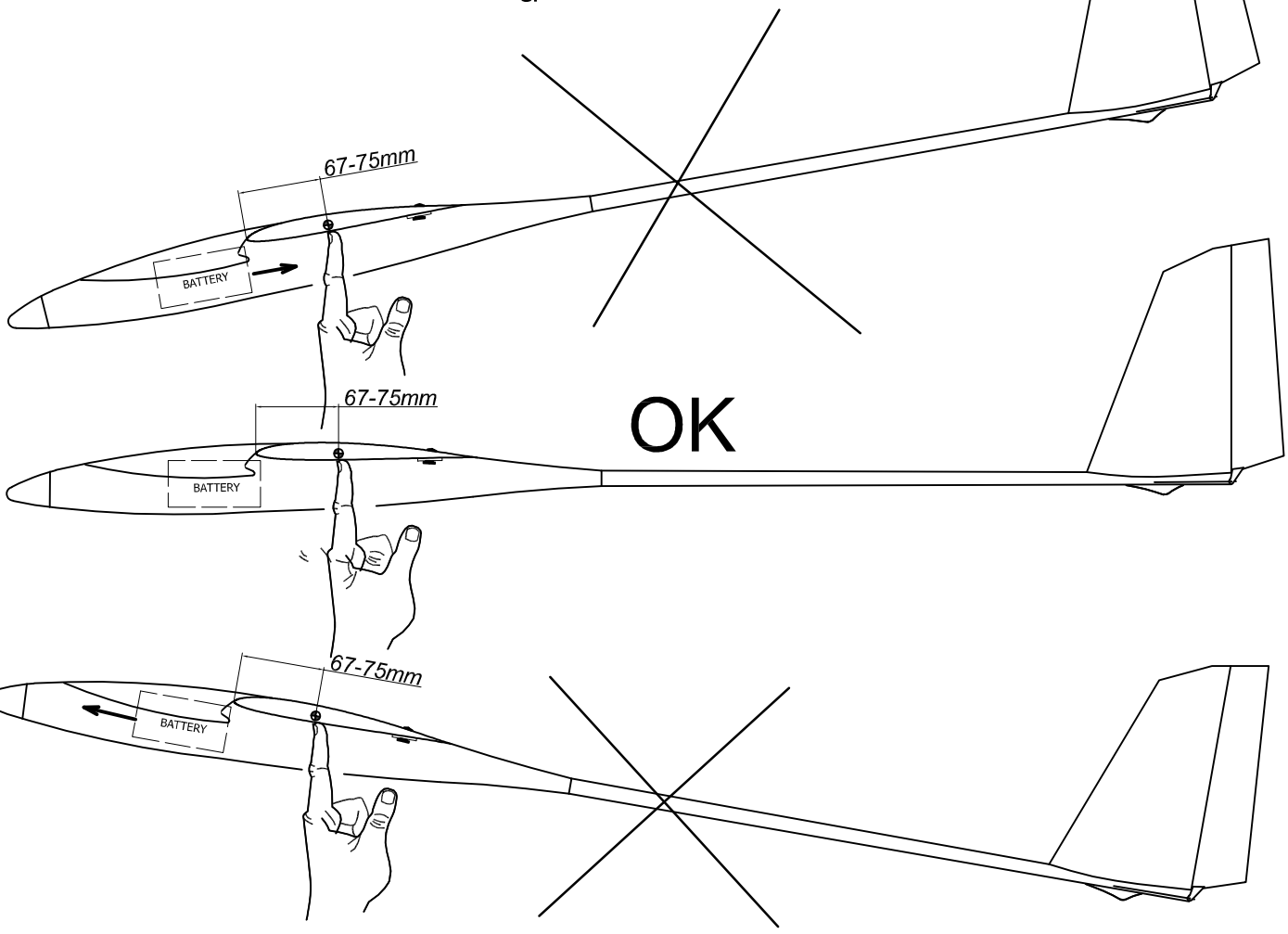

4-6
4-5
NEUTRAL
CA
4-6
4-7
4-5 - Ø2
DET.
DET.
Epoxy
Epoxy
Vnitřní strana kabiny
Inside canopy
1/2
6-1
6-2
~32
~100
6
5
6
for 6-2
1
6
1

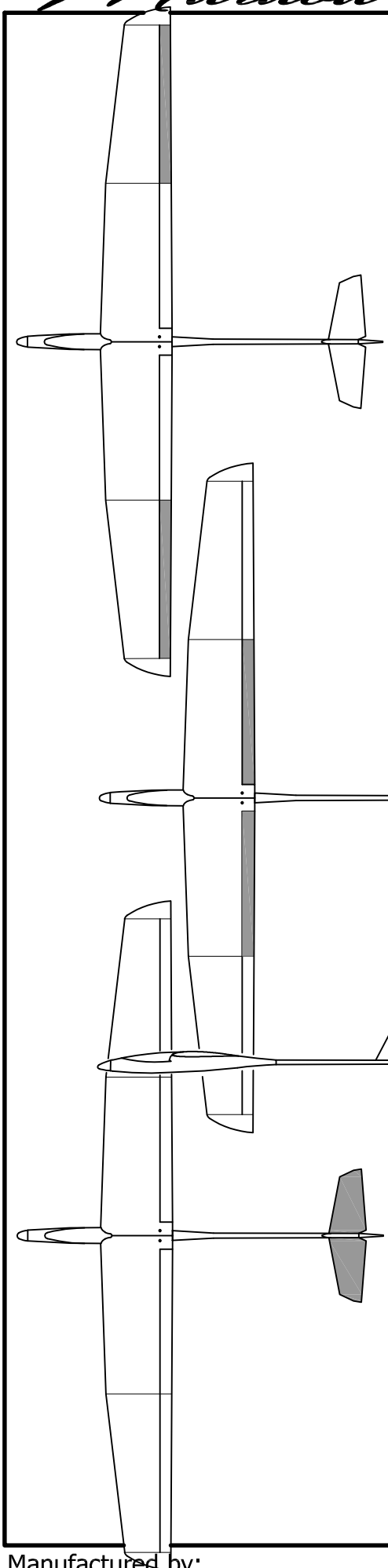

regulátor
controller

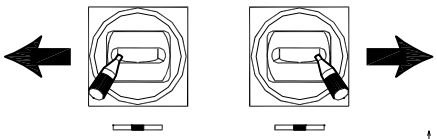

regulátor
controller
regulátor
controller


"TURBO"
BATTERY
RX
dle
cf
velcro ®

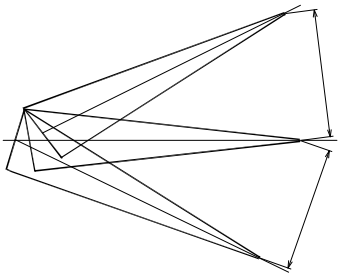

67-75mm
BATTERY
67-75mm
BATTERY
OK
67-75mm
BATTERY

Marabu





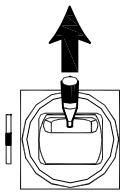
Přistání - 9 - 12 mm
Landing

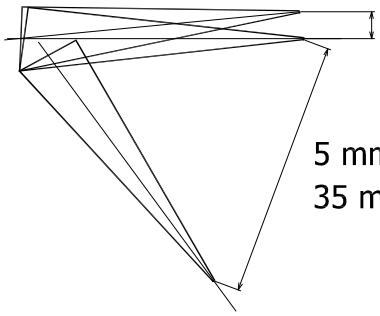


10-12

Normal
EXPO 25%

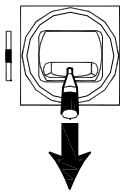
6-8 mm

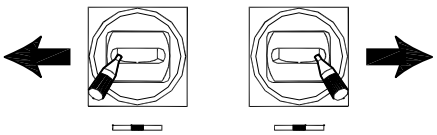


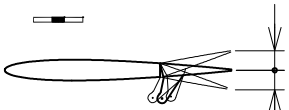


2 mm

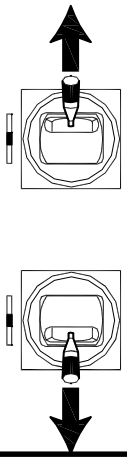
5 mm - thermik
35 mm - přistání
Landing

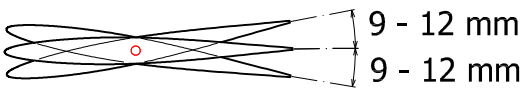






20 - 25 mm
EXPO 30%
20 - 25 mm





9 - 12 mm
9 - 12 mm
EXPO 30%

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