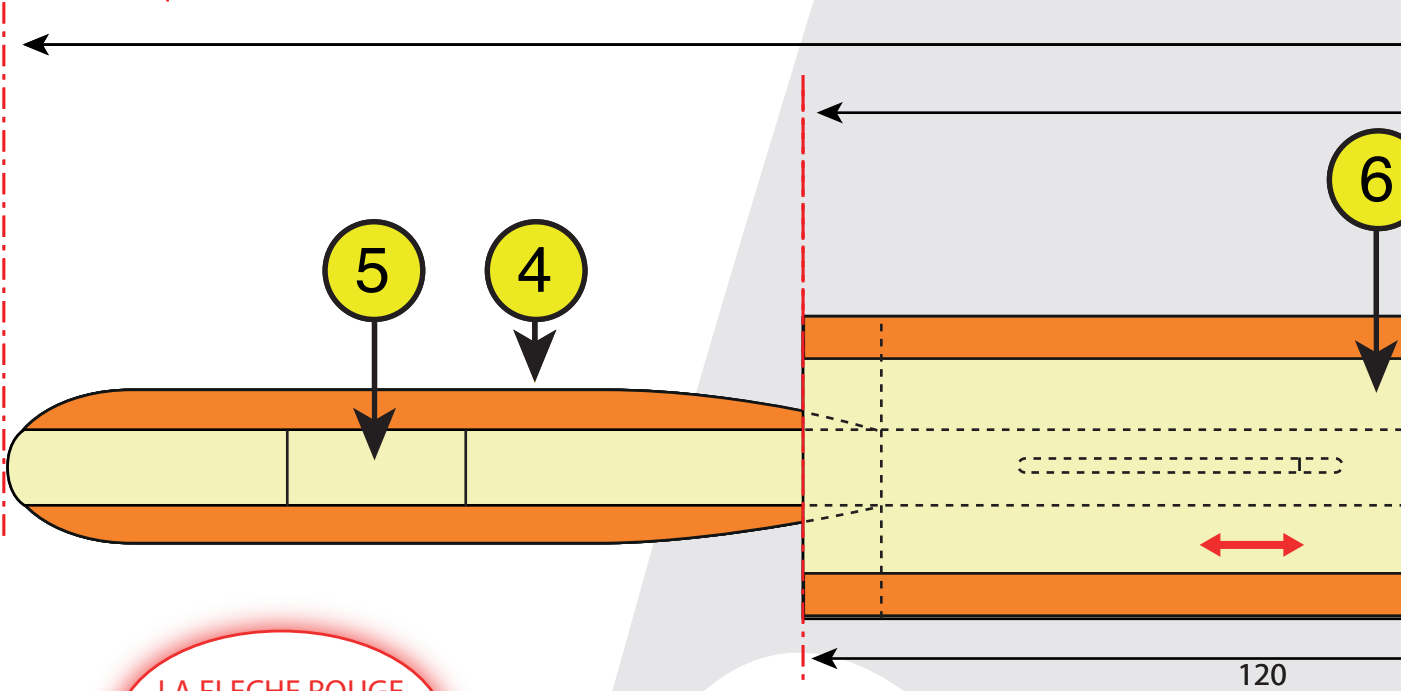
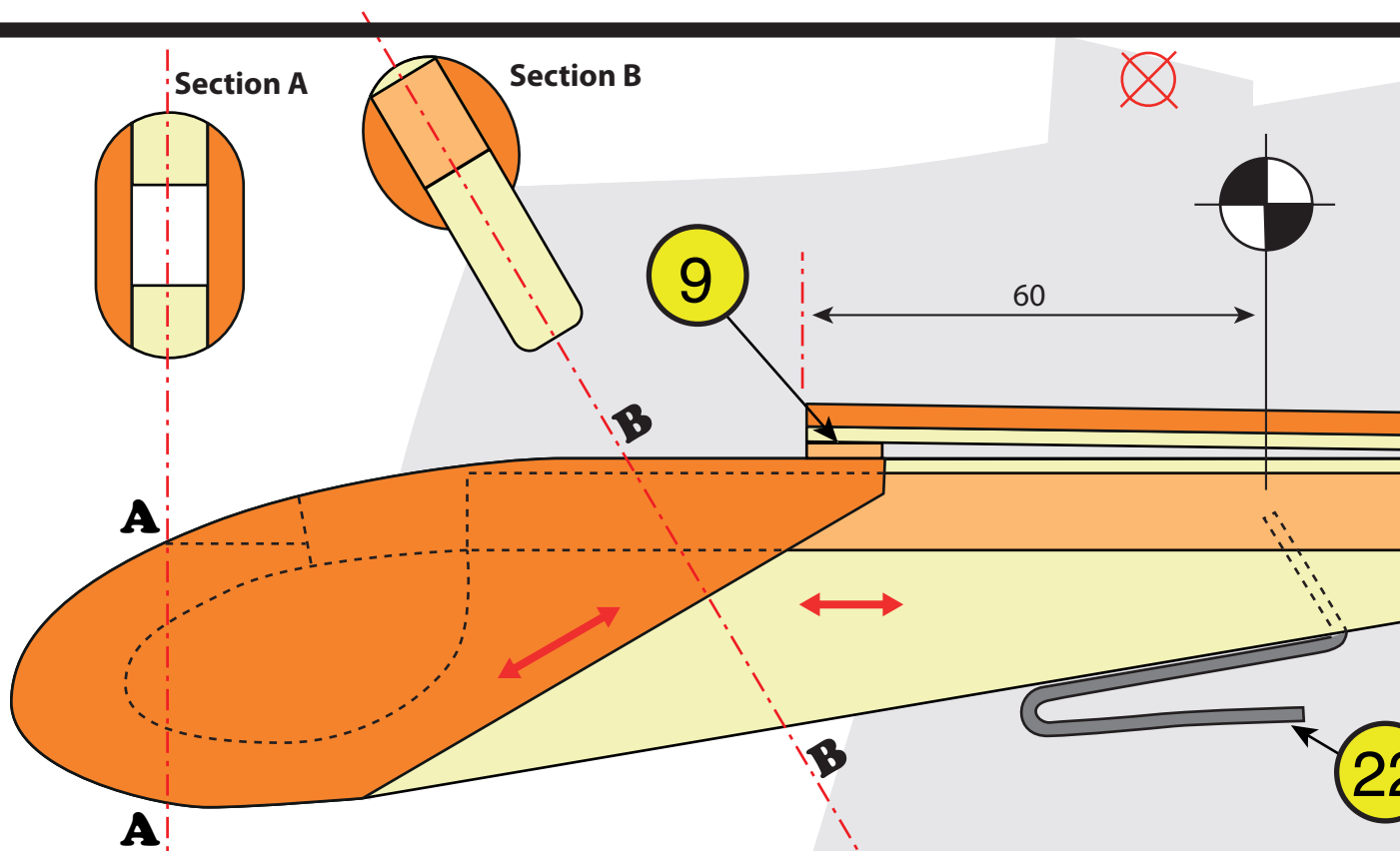
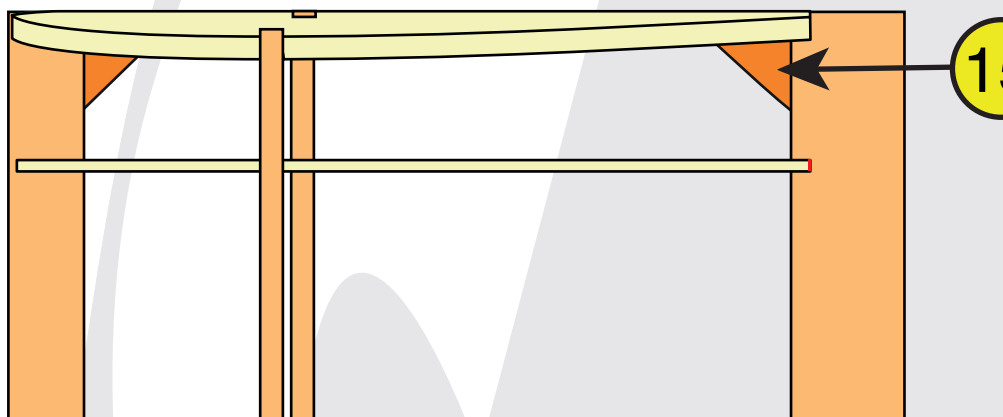
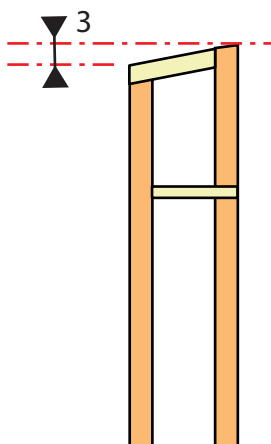
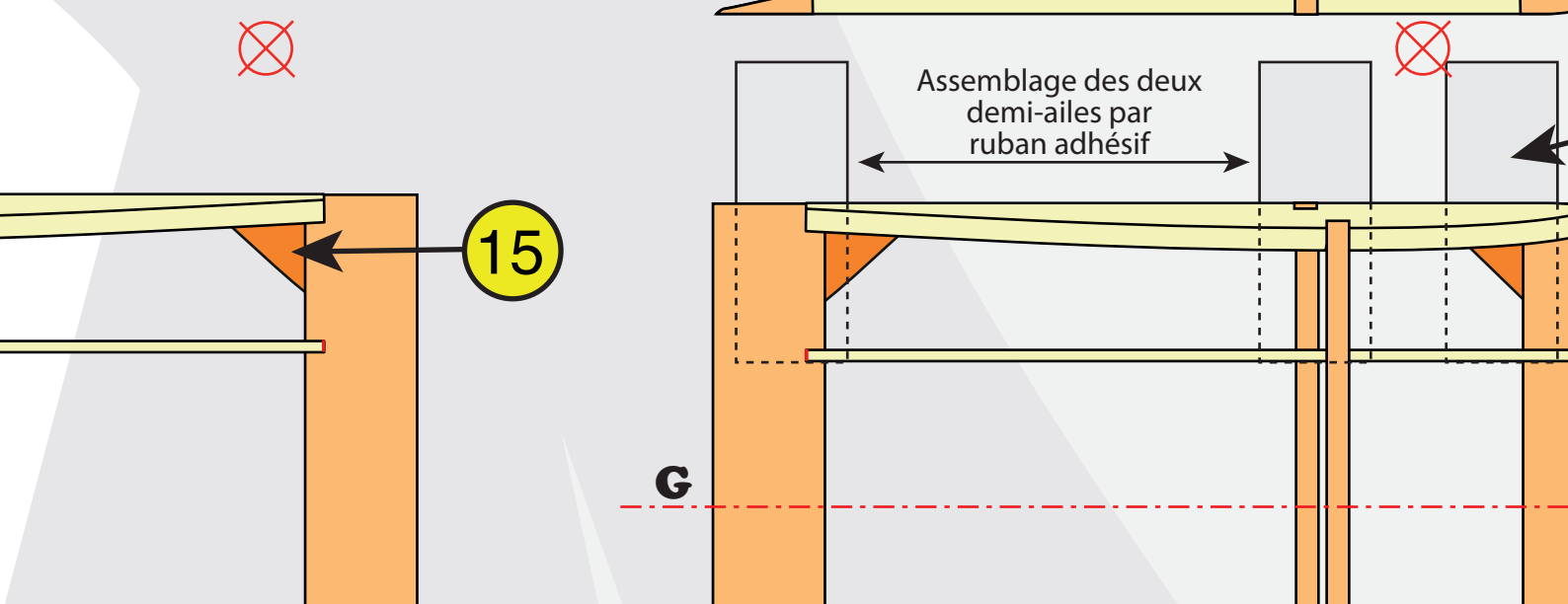
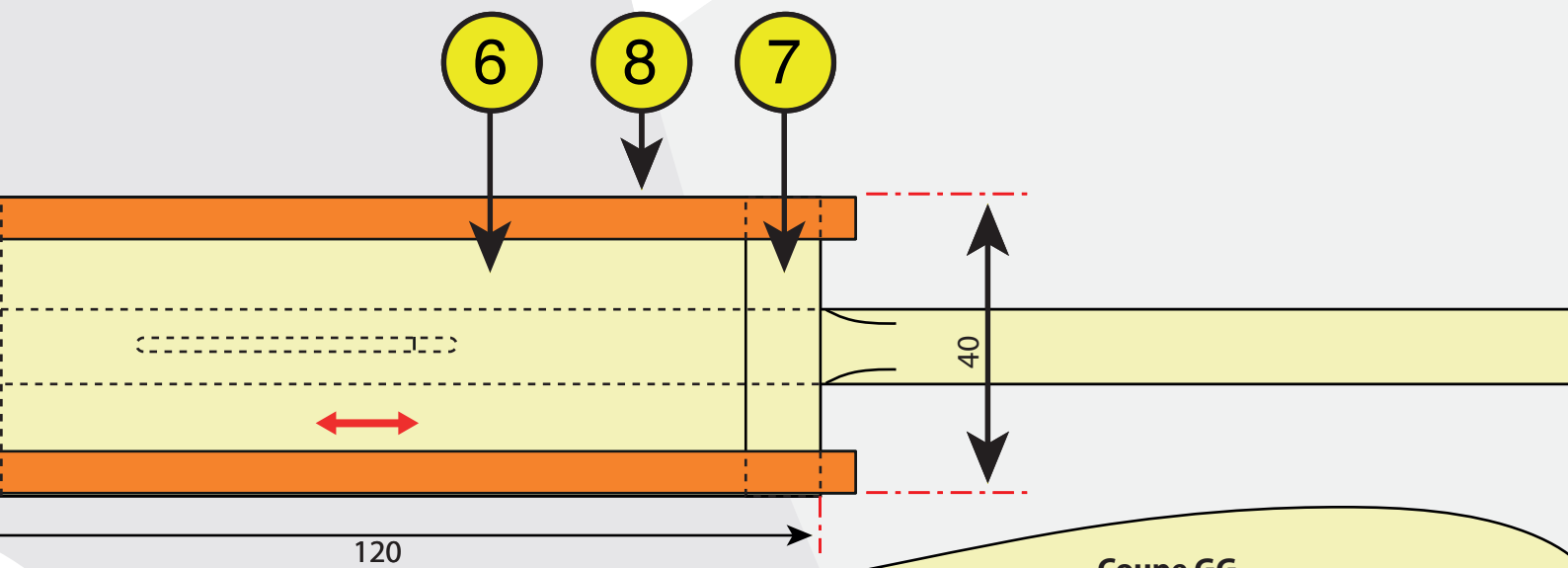
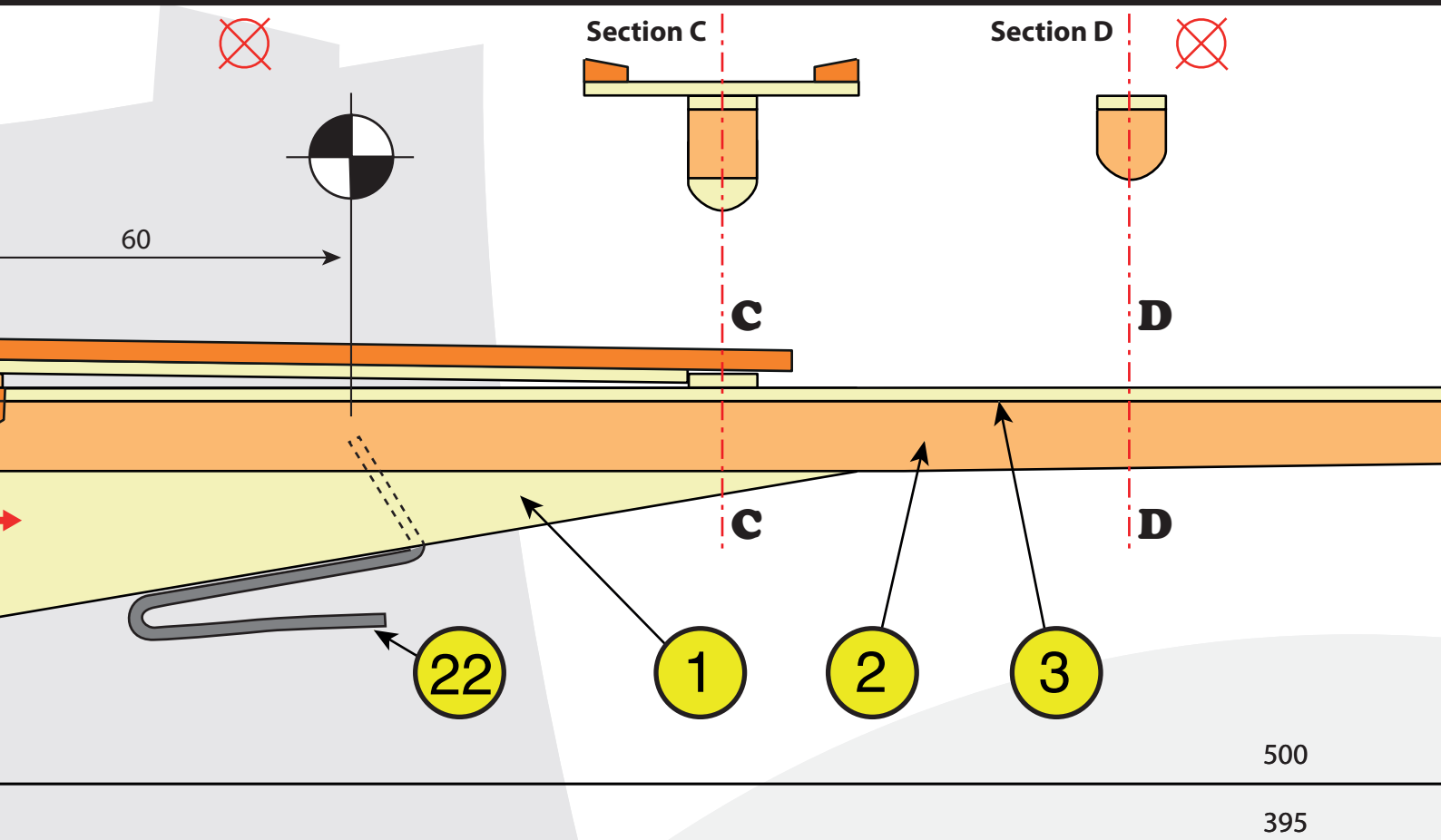


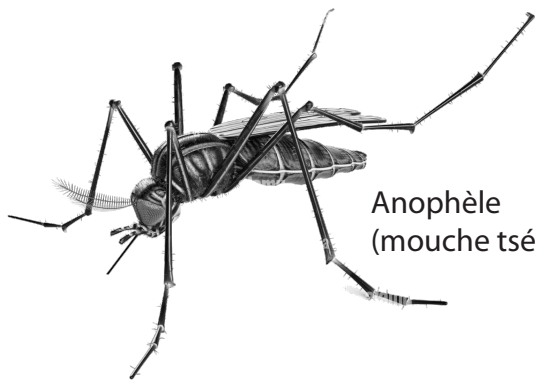
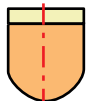


LA FLECHE ROUGE
INDIQUE LE SENS
DU FIL DU BOIS





Section D



Anophèle
(mouche tsé-tsé)

D

D

3

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500

395

<http://clap54.free.fr>

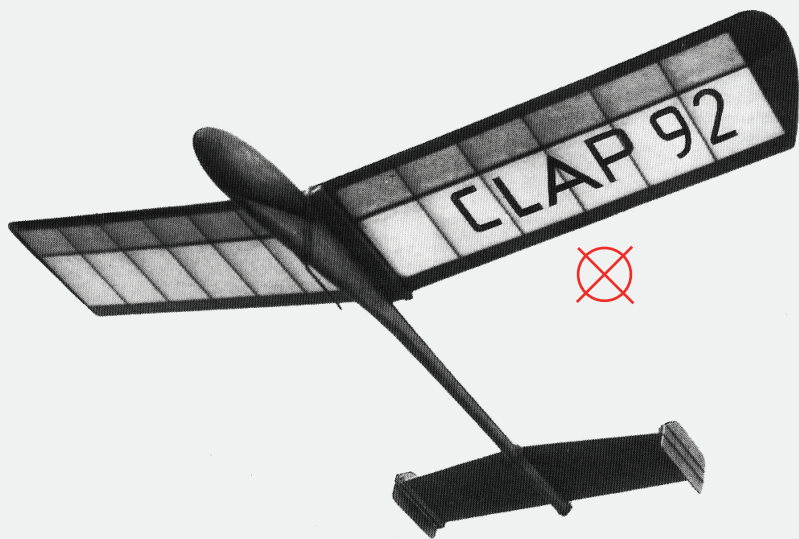
Angles vifs sur 90 m

Coupe GG

ge des deux
ailes par
adhésif



14



G



Section E



E

E

é-tsé)

et par le CLAP 54.
un contrat
ns.

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Angles vifs sur 90 mm



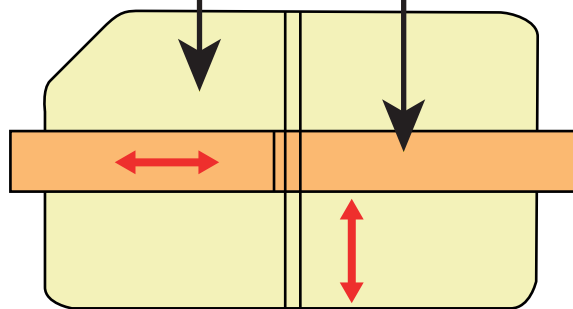
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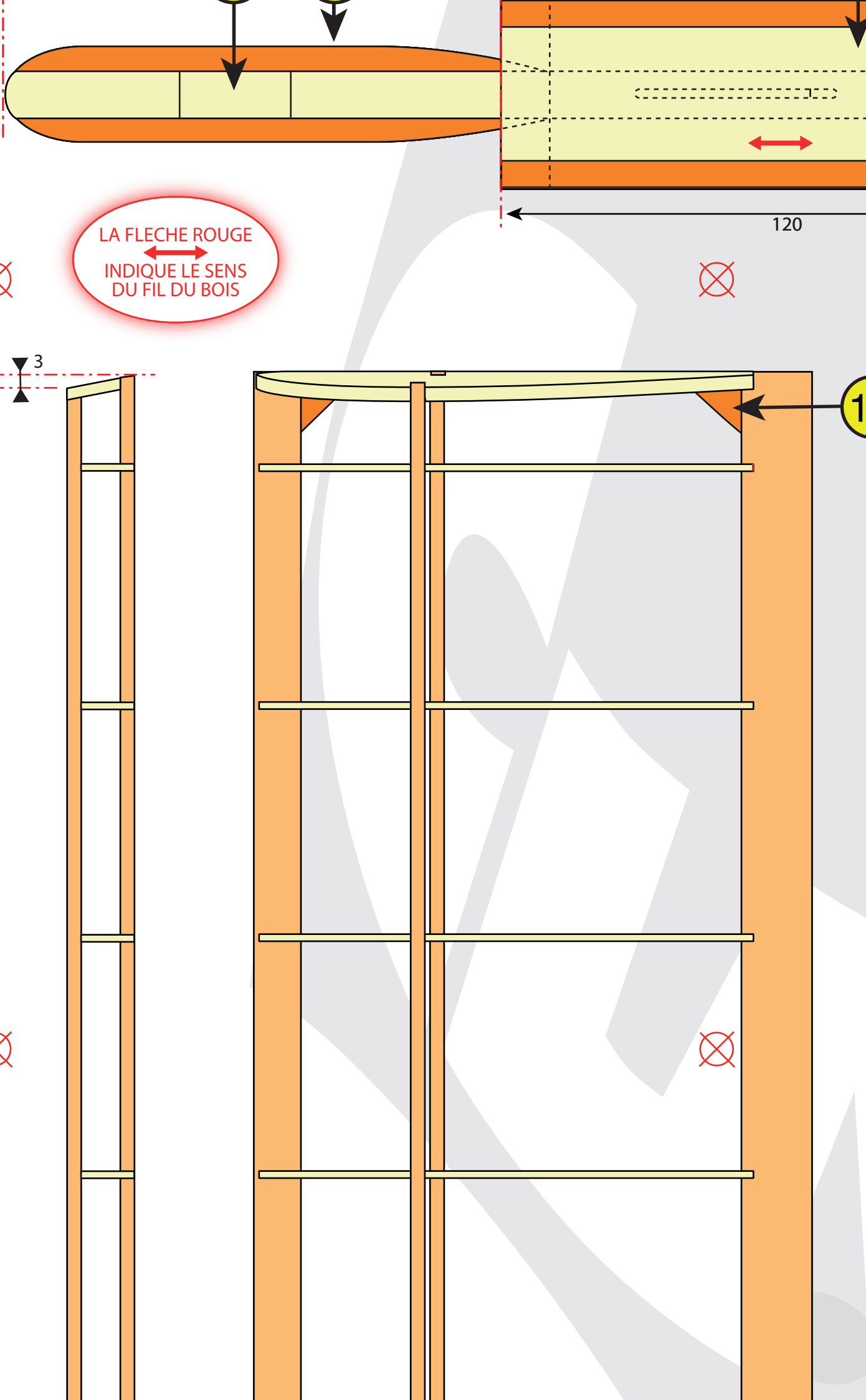
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19

20

21





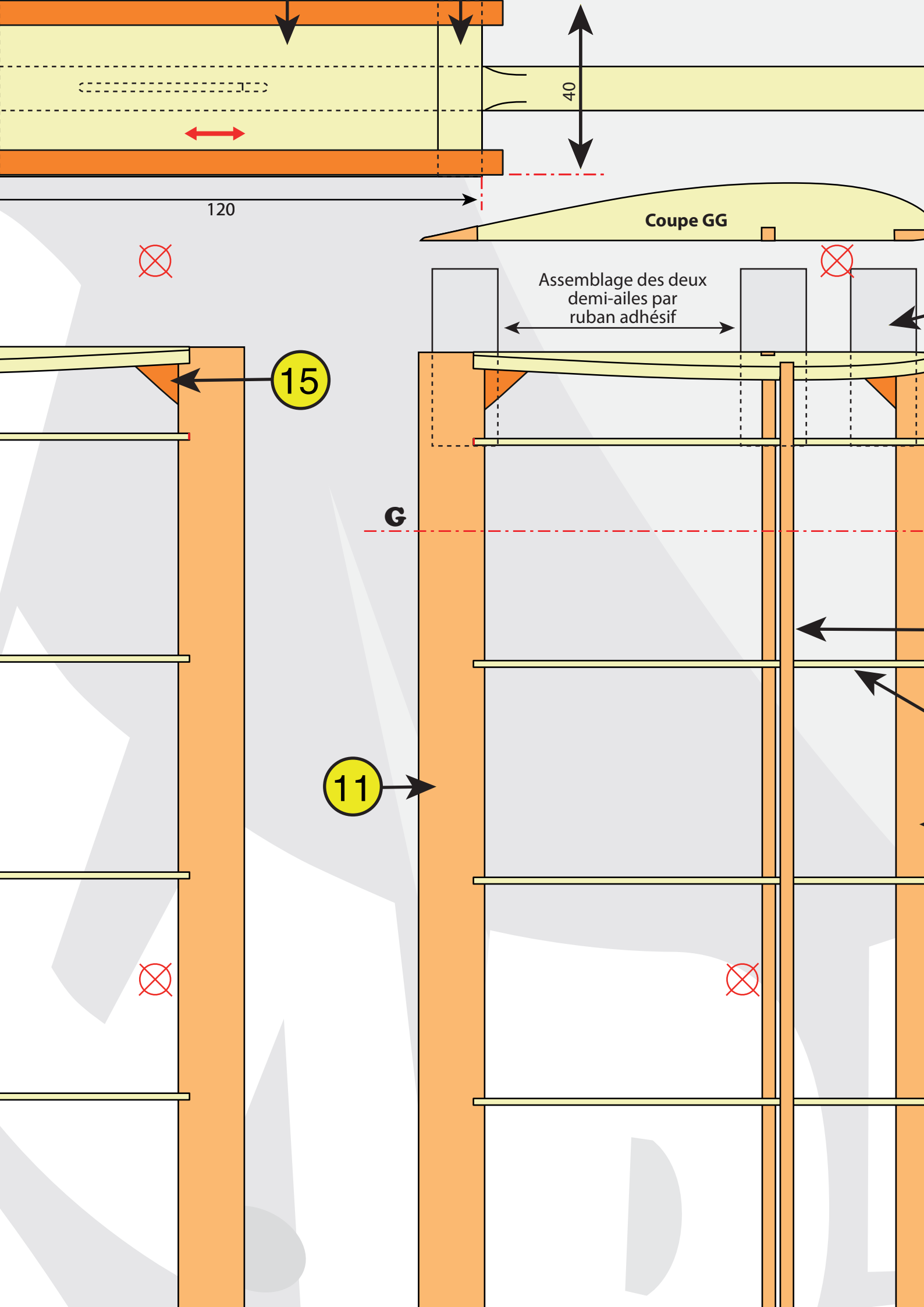
LA FLECHE ROUGE

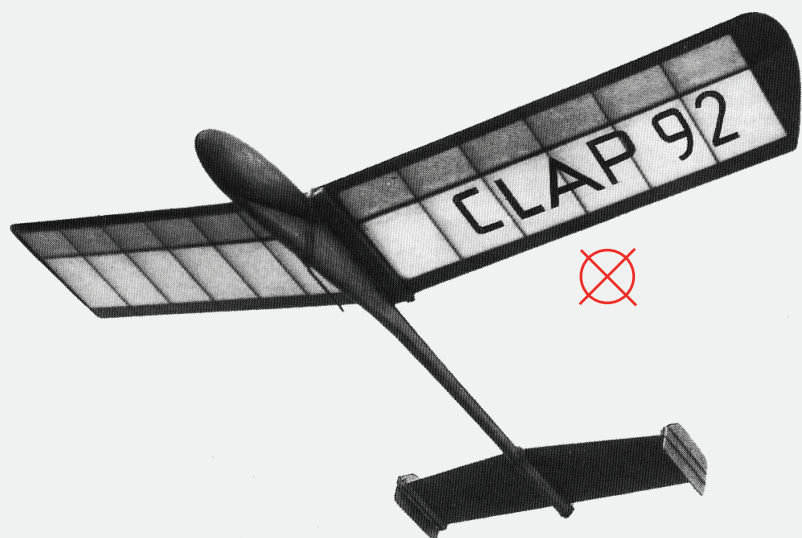
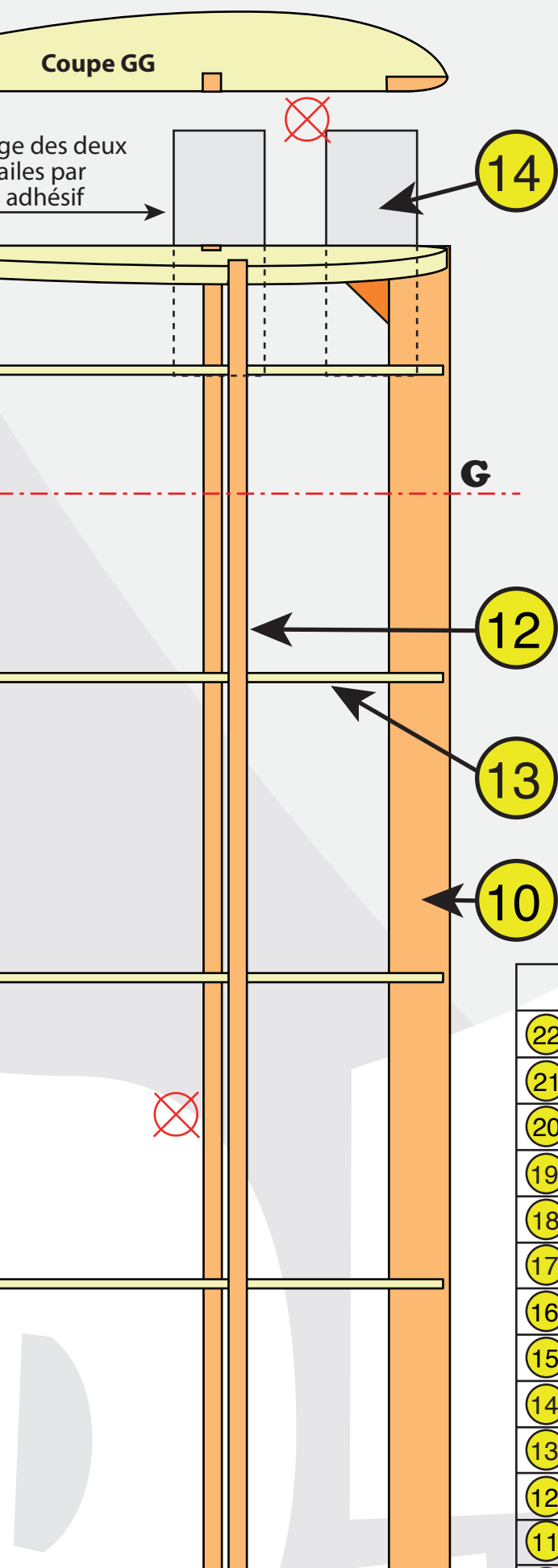
INDIQUE LE SENS
DU FIL DU BOIS

120

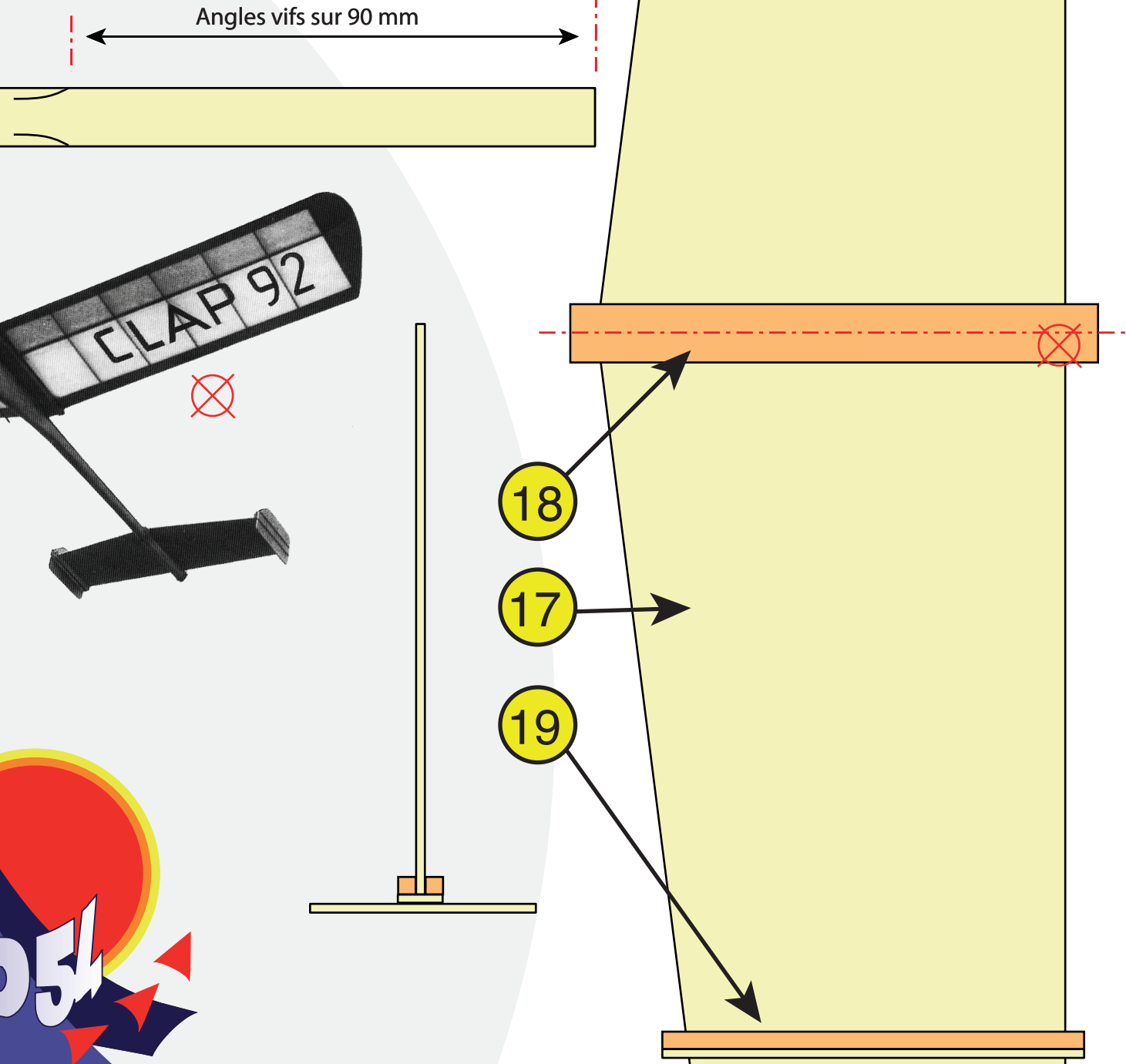
3

1





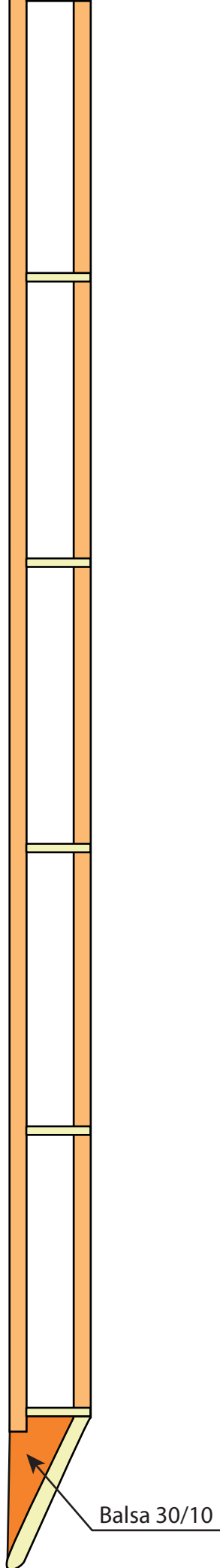
		Papier Modelspan 21 g		1 feuille
(22)	2	Crochet	fil acier ø2	0,11 m
(21)	2	Longeron de dérive	balsa 15/10	
(20)	2	Dérive	balsa 15/10	
(19)	4	Equerre de dérive	balsa 3 x 3	
(18)	1	Longeron de plan fixe	balsa 3 x 10	
(17)	1	Plan fixe	balsa 15/10	0,25 m
(16)	2	Bord marginal	balsa 30/10	
(15)	4	Gousset d'emplanture	balsa 30/10	
(14)	2	Nervure d'emplanture	balsa 30/10	0,25 m
(13)	14	Nervure	balsa 15/10	0,50 m
(12)	4	Longeron	balsa 3 x 3	2 m
(11)	2	Bord de fuite	balsa profilé 3 x 15	0,66 m



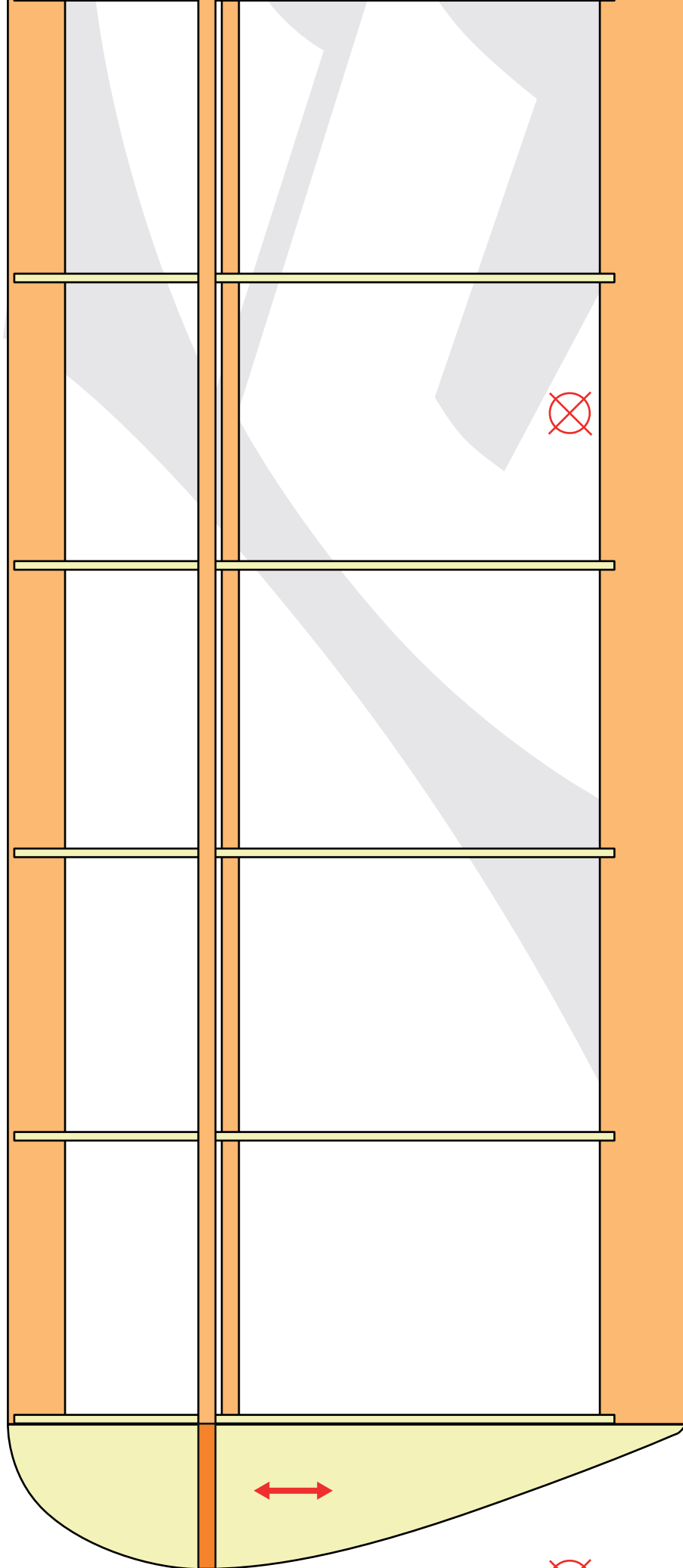
g	1 feuille
fil acier ø2	0,11 m
balsa 15/10	
balsa 15/10	
balsa 3 x 3	
balsa 3 x10	
balsa 15/10	0,25 m
balsa 30/10	
balsa 30/10	
balsa 30/10	0,25 m
balsa 15/10	0,50 m
balsa 3 x 3	2 m
balsa profilé 3 x15	0,66 m

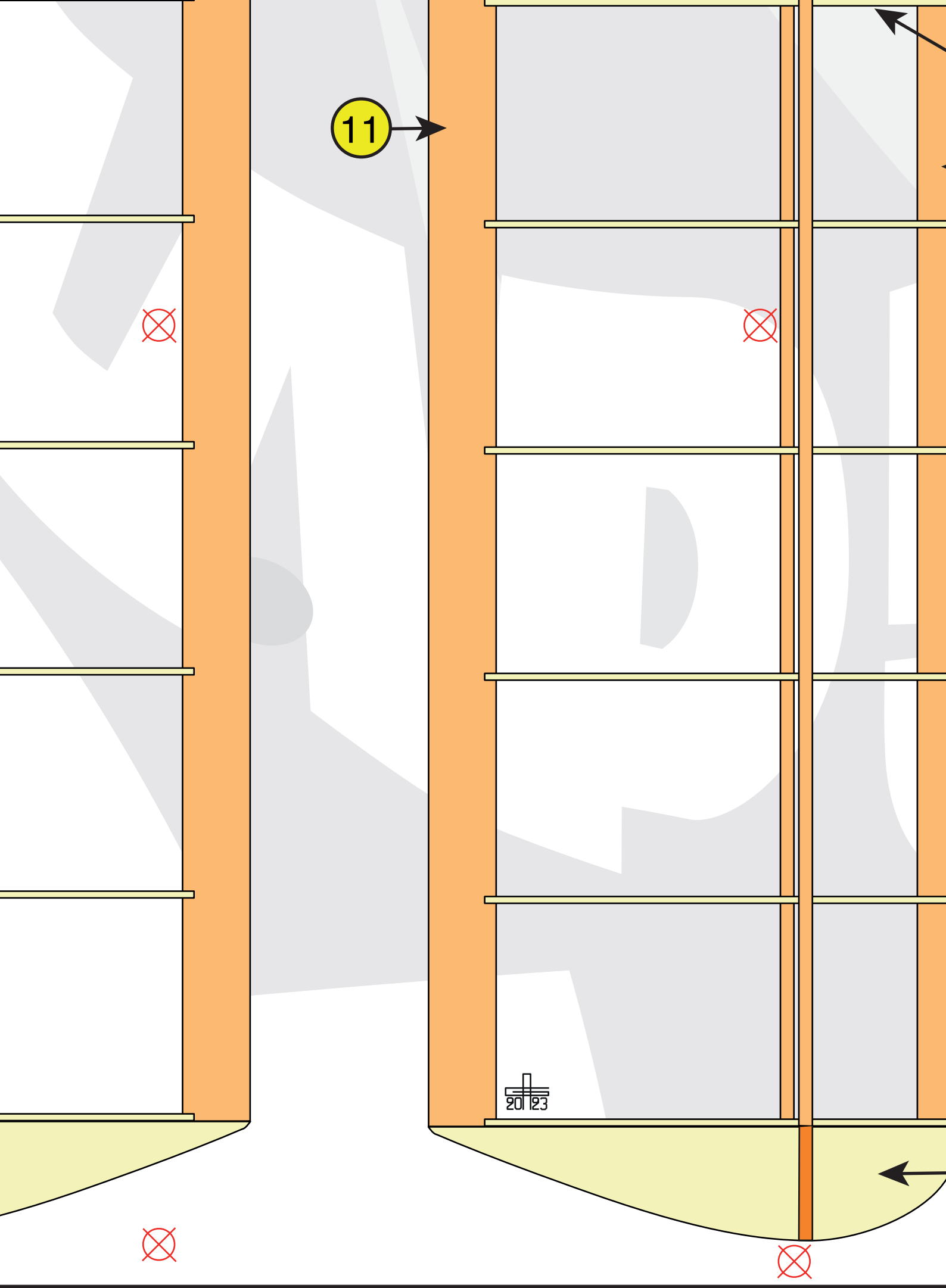
Envergure	1500 mm
Longueur	1000 mm
Surface aile	24 dm2
Surface stabilo	5,25 dm2
Surface totale	29,25 dm2
Centrage	50%
Dièdre	35°mm
Allongement	9,5
Incidence aile	3°
Incidence stabilo	0°

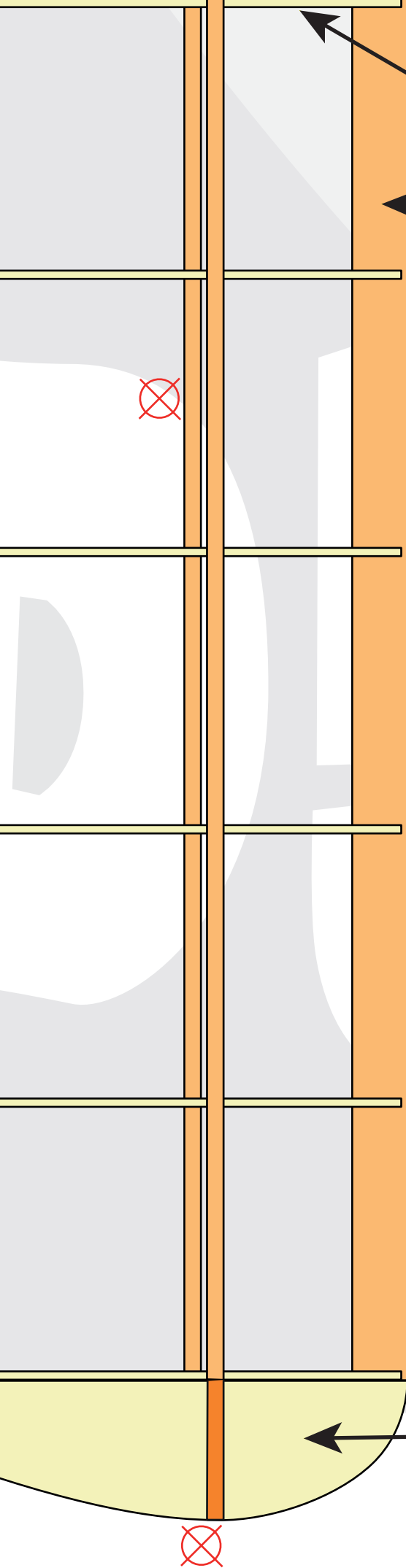
Test d'impression
100 mm



Balsa 30/10







13

10

16



		Papier Modelspan 21 g		1 feuille
22	2	Crochet	fil acier ø2	0,11 m
21	2	Longeron de dérive	balsa 15/10	
20	2	Dérive	balsa 15/10	
19	4	Equerre de dérive	balsa 3 x 3	
18	1	Longeron de plan fixe	balsa 3 x10	
17	1	Plan fixe	balsa 15/10	0,25 m
16	2	Bord marginal	balsa 30/10	
15	4	Gousset d'emplanture	balsa 30/10	
14	2	Nervure d'emplanture	balsa 30/10	0,25 m
13	14	Nervure	balsa 15/10	0,50 m
12	4	Longeron	balsa 3 x 3	2 m
11	2	Bord de fuite	balsa profilé 3 x15	0,66 m
10	2	Bord d'attaque	balsa 3 x 10	0,66 m
9	1	Cale de berceau	Peuplier 2 x 10	
8	2	Bras de berceau	balsa dur 6 x 3	0,25 m
7	1	Alaise	Peuplier 2 x 10	
6	1	Planchette de berceau	balsa 10/10	
5	1	Bouchon de soute	balsa 100/10	
4	1	Flasque	balsa dur 50/10	0,25 m
3	1	Contrefort	Peuplier 2 x 10	0,50 m
2	1	Poutre	balsa 10 x 10	0,58 m
1	1	Nez	balsa dur 100/10	8 m
	Q	Désignation	Matériau	Débit



ANOPHI

Planeur de dé

g	1 feuille
fil acier ø2	0,11 m
balsa 15/10	
balsa 15/10	
balsa 3 x 3	
balsa 3 x 10	
balsa 15/10	0,25 m
balsa 30/10	
balsa 30/10	
balsa 30/10	0,25 m
balsa 15/10	0,50 m
balsa 3 x 3	2 m
balsa profilé 3 x 15	0,66 m
balsa 3 x 10	0,66 m
Peuplier 2 x 10	
balsa dur 6 x 3	0,25 m
Peuplier 2 x 10	
balsa 10/10	
balsa 100/10	
balsa dur 50/10	0,25 m
Peuplier 2 x 10	0,50 m
balsa 10 x 10	0,58 m
balsa dur 100/10	8 m
Matériau	Débit

Impression

00 mm

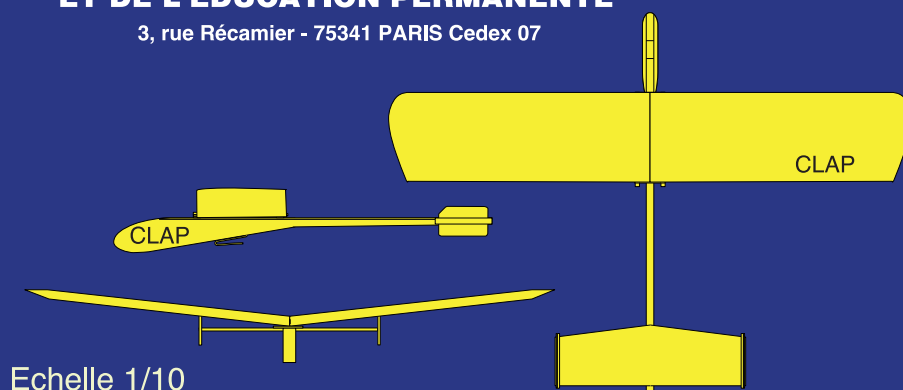
NOPHÉLE

Planeur de début

Envergure	1500 mm
Longueur	1000 mm
Surface aile	24 dm ²
Surface stabilo	5,25 dm ²
Surface totale	29,25 dm ²
Centrage	50%
Dièdre	35° mm
Allongement	9,5
Incidence aile	3°
Incidence stabilo	0°

LIGUE FRANÇAISE DE L'ENSEIGNEMENT ET DE L'EDUCATION PERMANENTE

3, rue Récamier - 75341 PARIS Cedex 07



Sur internet
le 30 juillet 2023
par Alain GLESS

Sur ordinateur
le 28 juillet 2023
par Alain GLESS

Plan de G. HORMAND,
professeur d'E.M.T.
octobre 1973



CLAP 92

Hauts-de-Seine