

KARTONOWE  
**ABC** 9'2000  
ISSN 1428 - 4618

# ROMA

# GPM

<http://www.gpm.pl>

NR KAT. **170**

SERIA "J"

STOPIEŃ  
TRUDNOŚCI

1

2

3

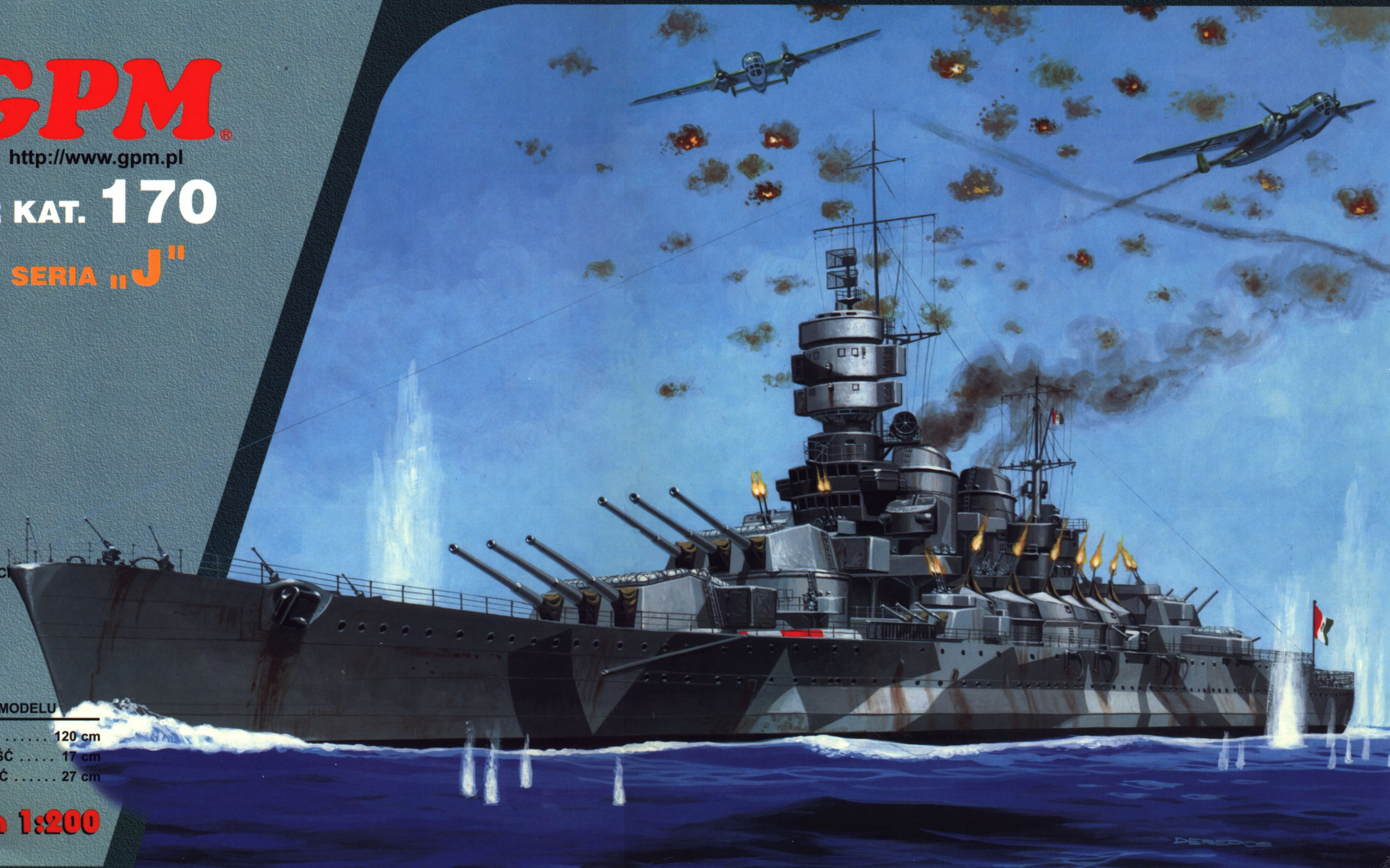
WYMIARY MODELU

DŁUGOŚĆ ..... 120 cm

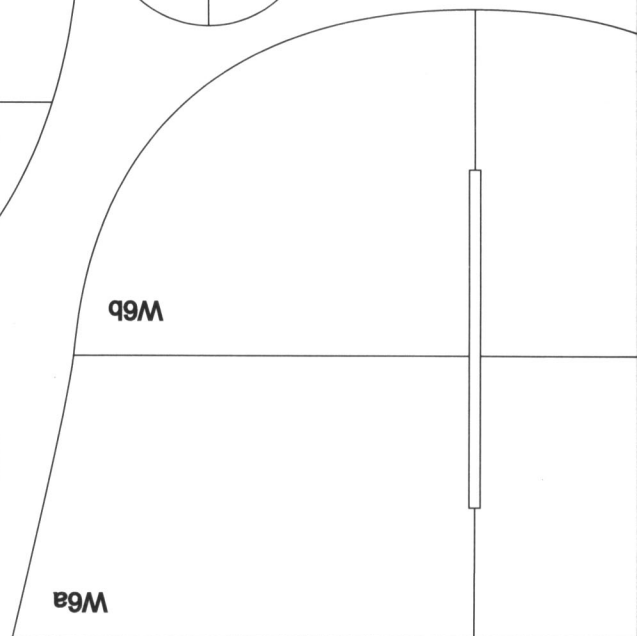
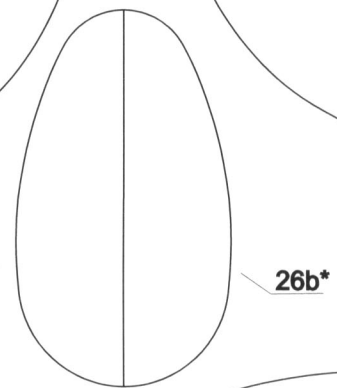
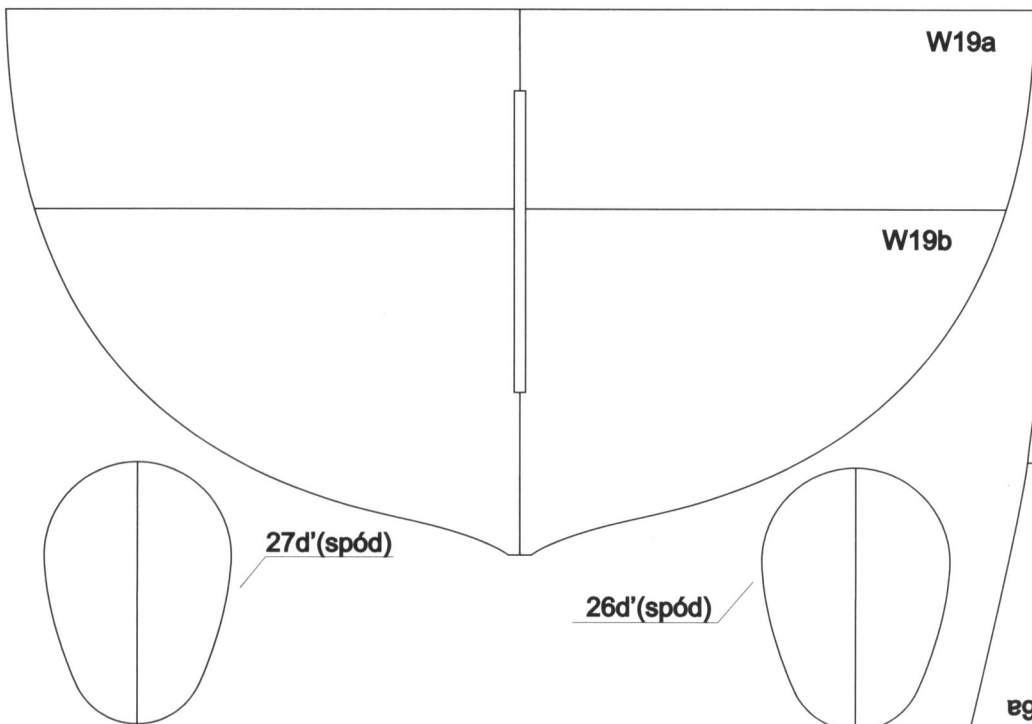
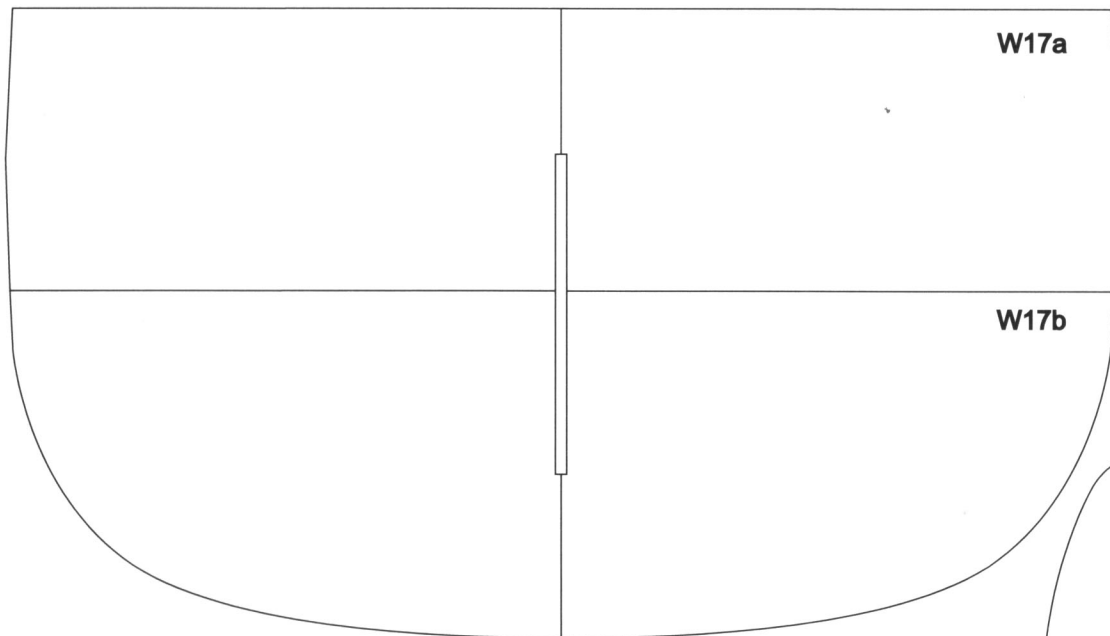
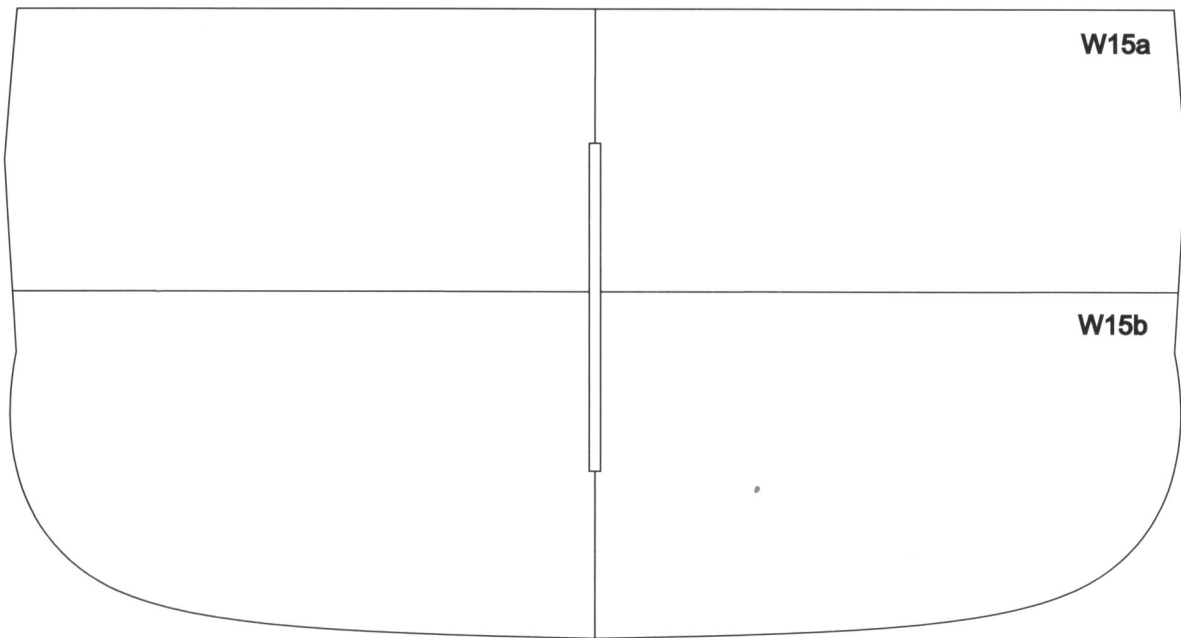
SZEROKOŚĆ ..... 17 cm

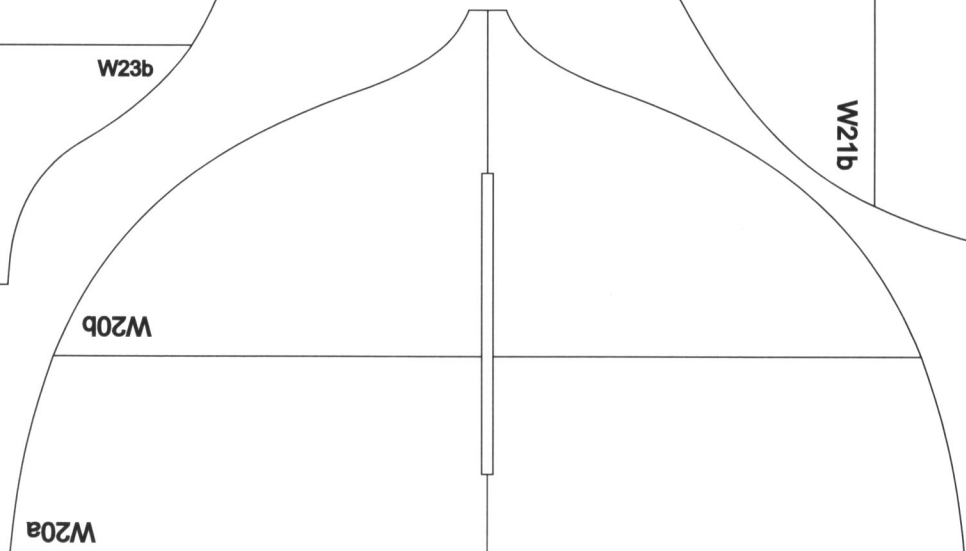
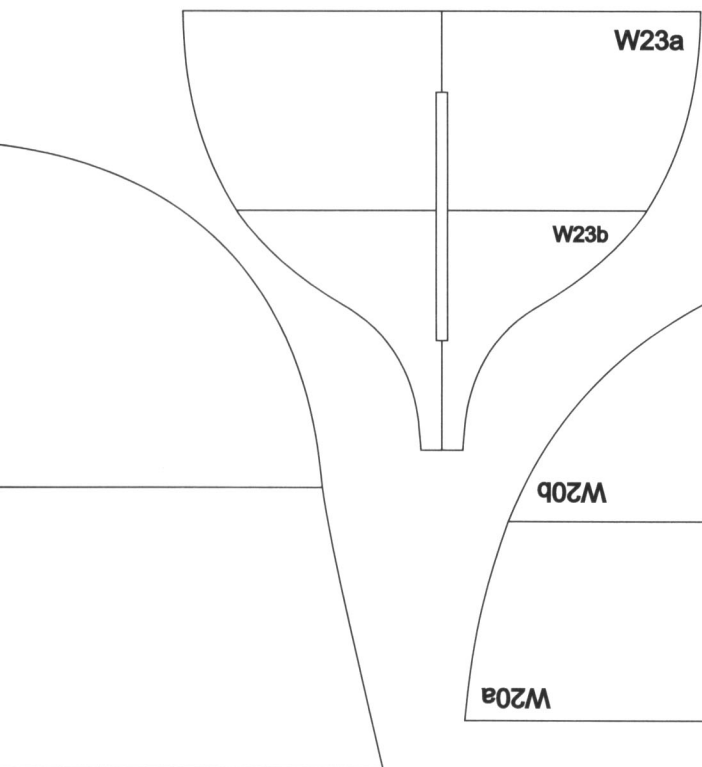
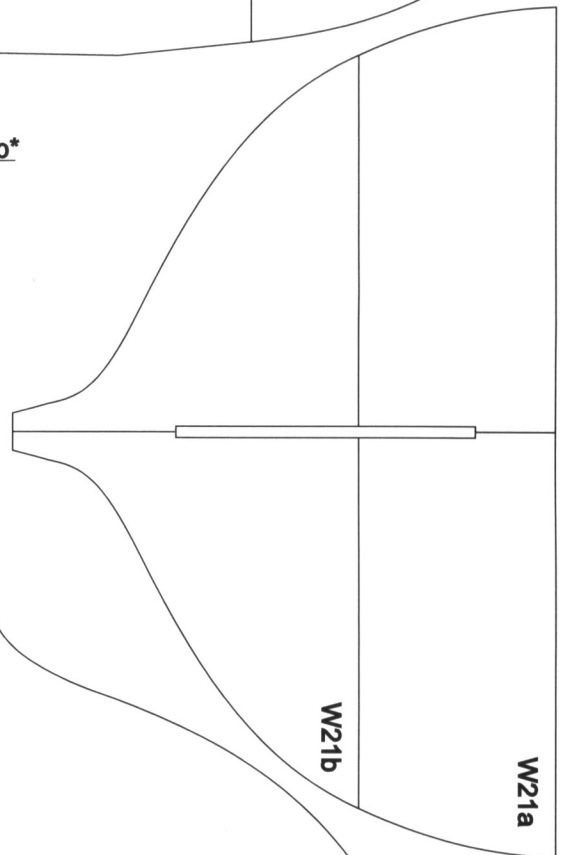
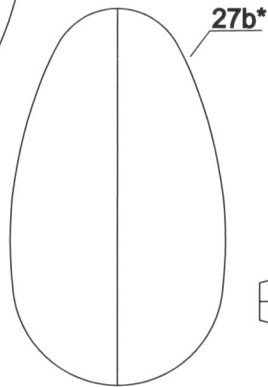
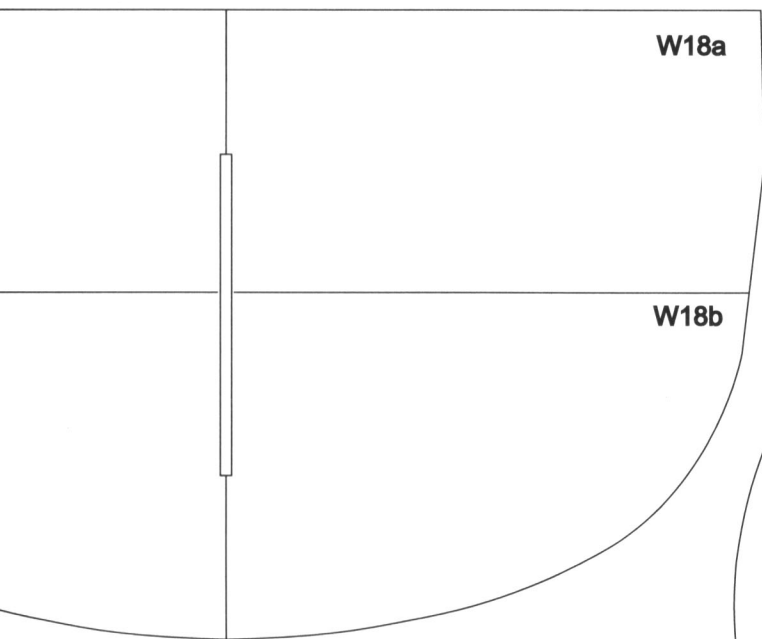
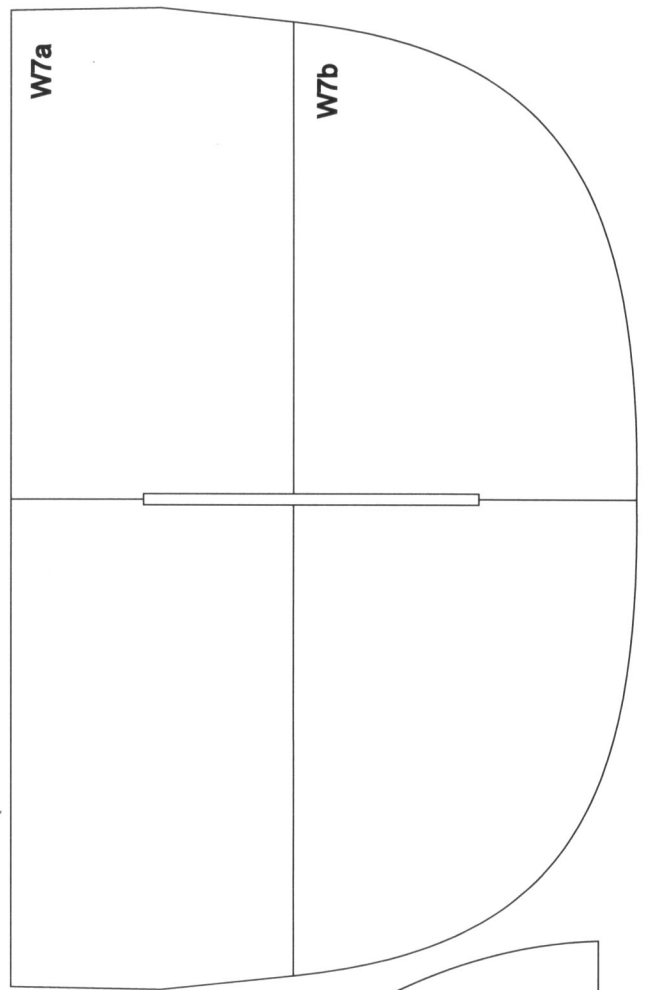
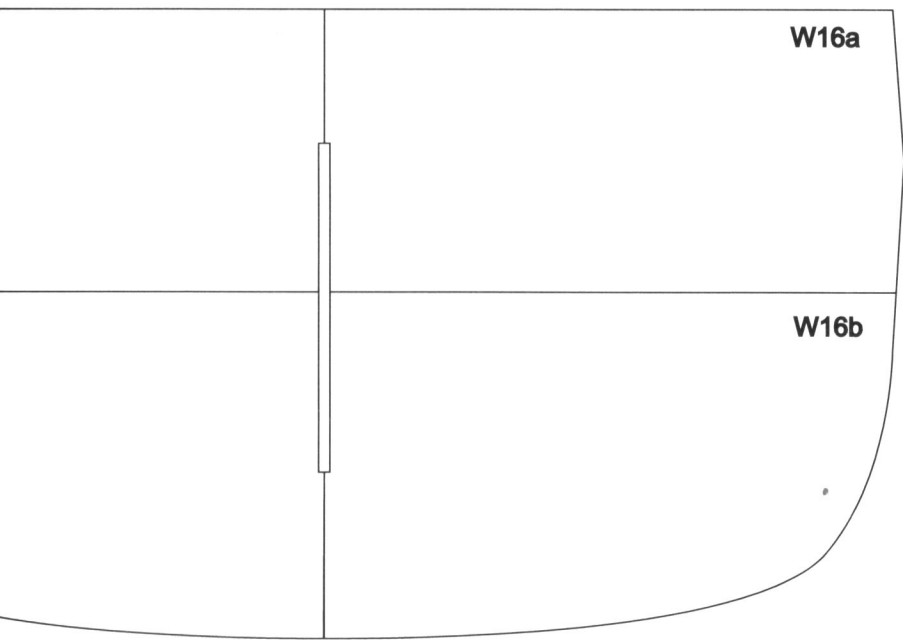
WYSOKOŚĆ ..... 27 cm

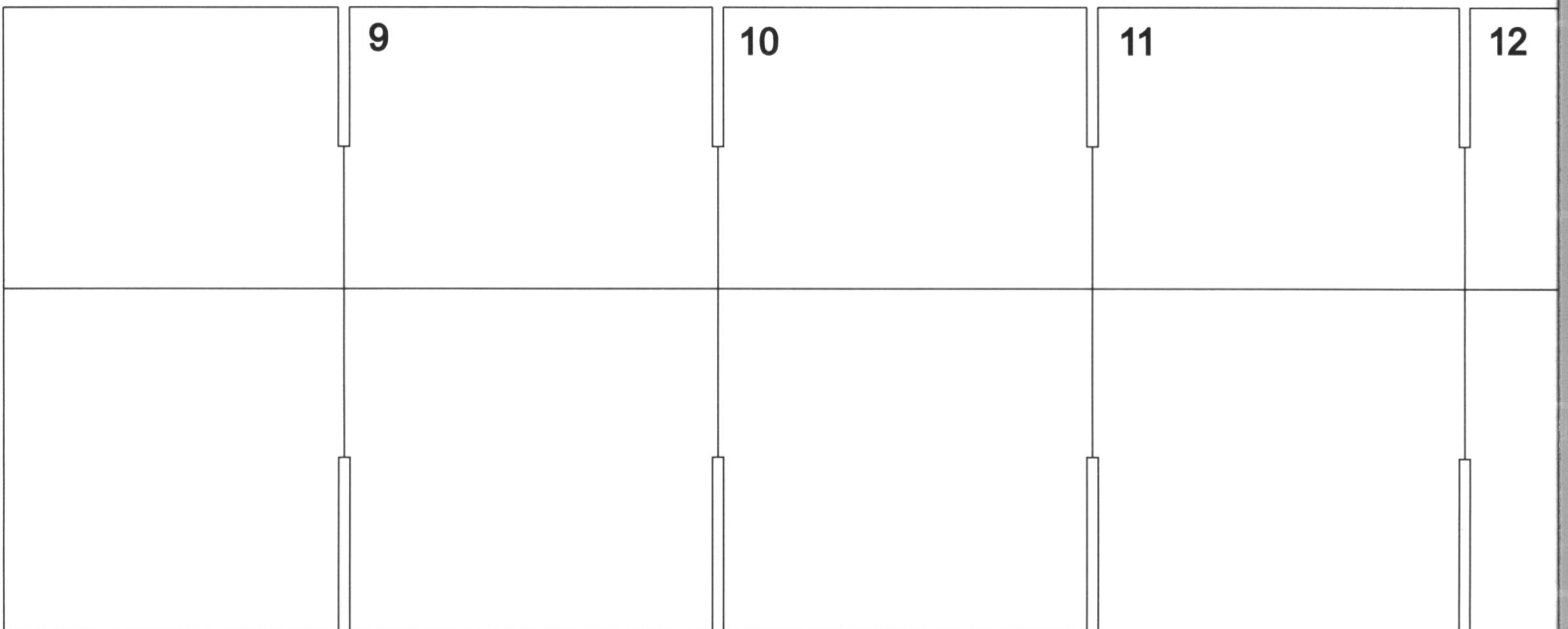
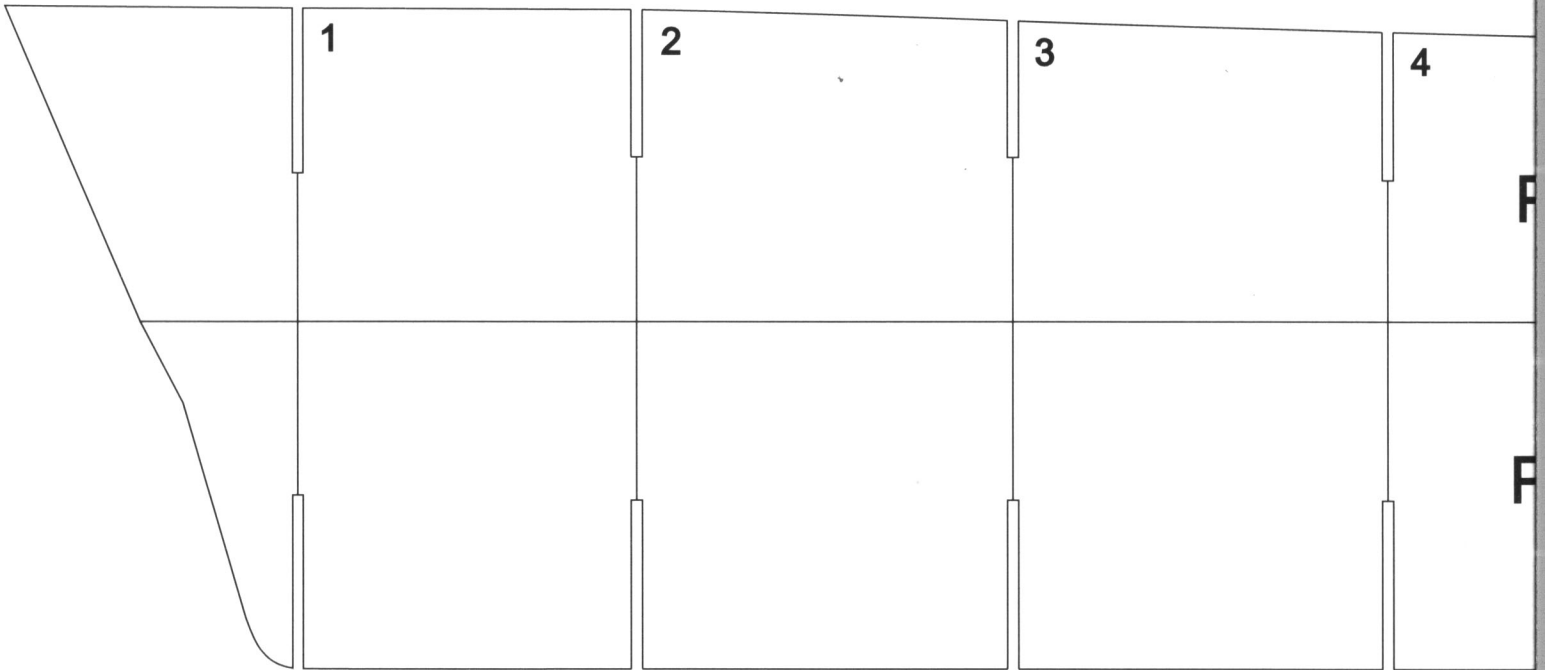
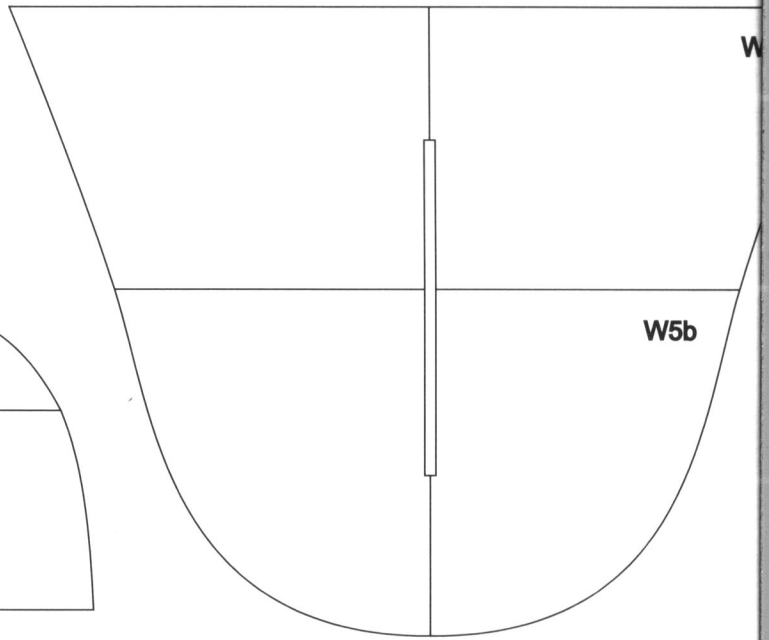
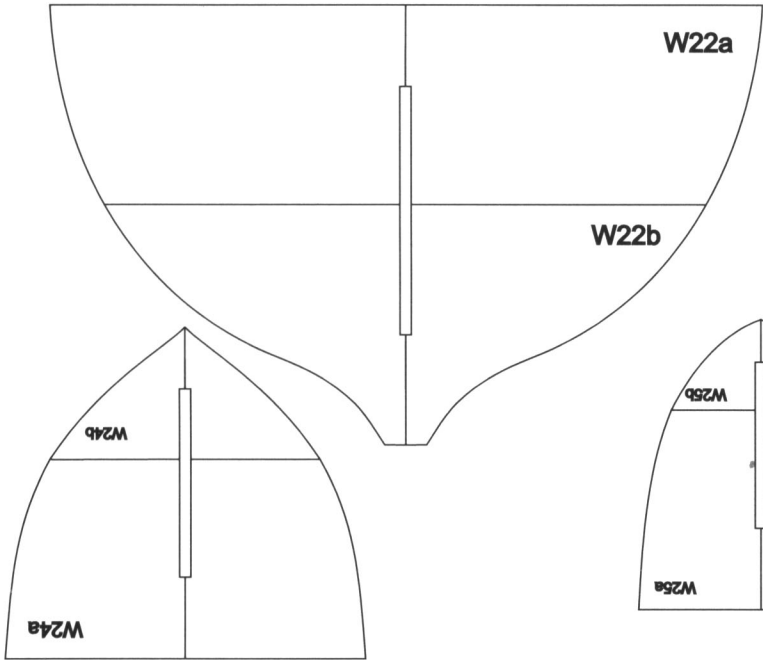
skala **1:200**

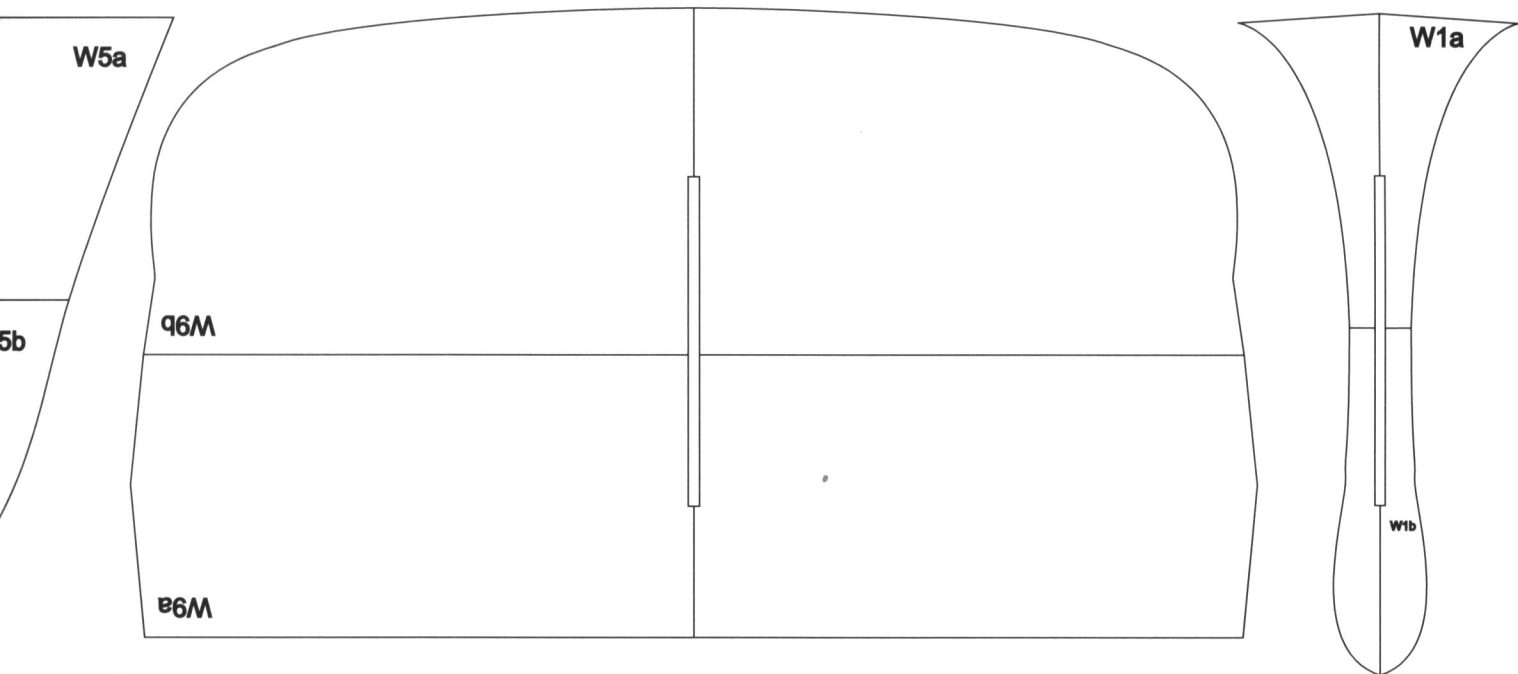






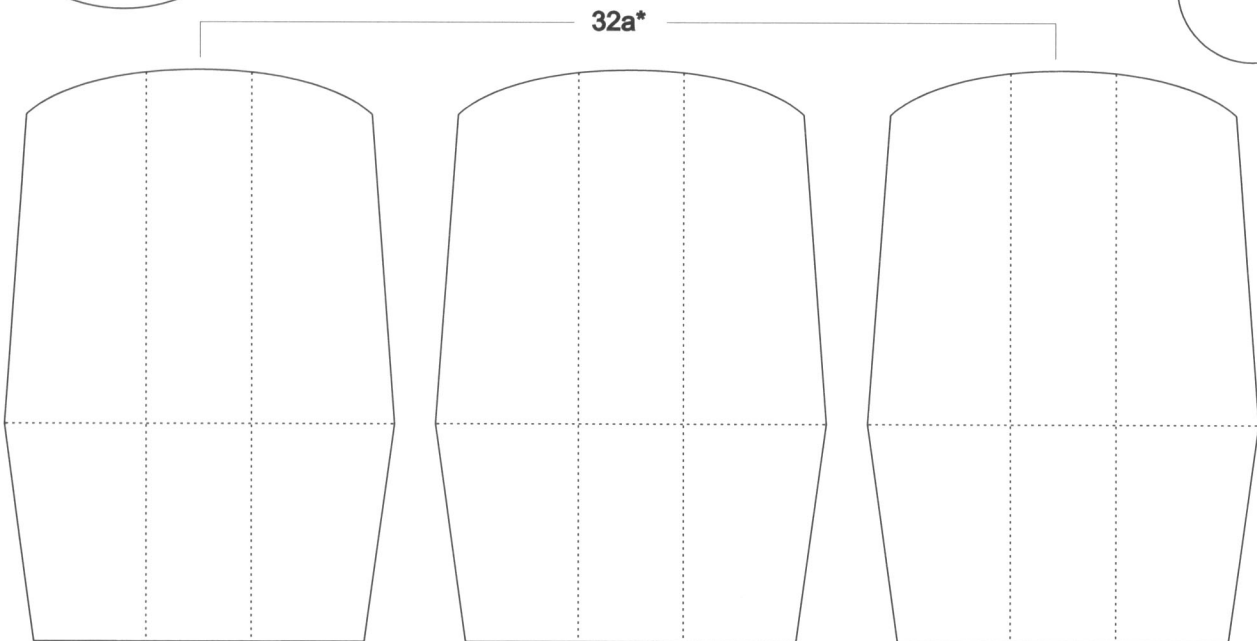
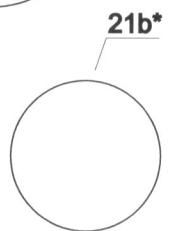
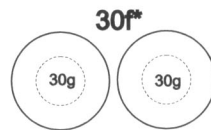
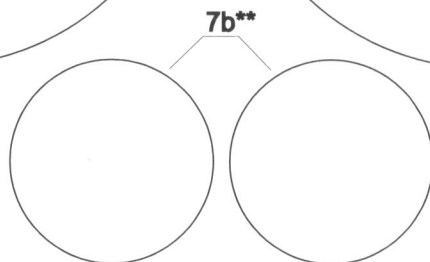
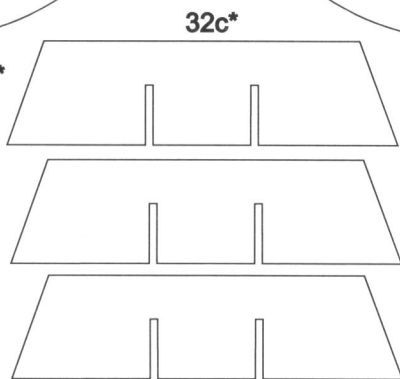
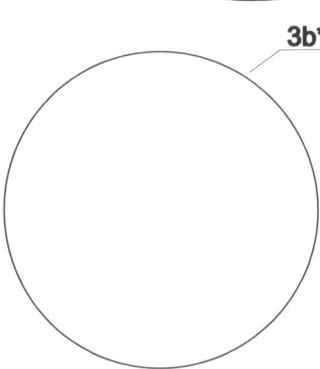
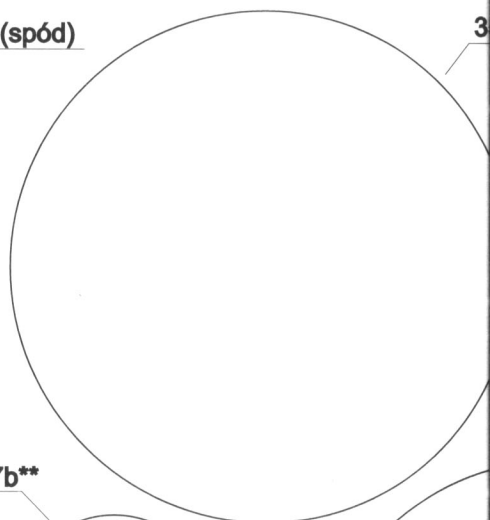
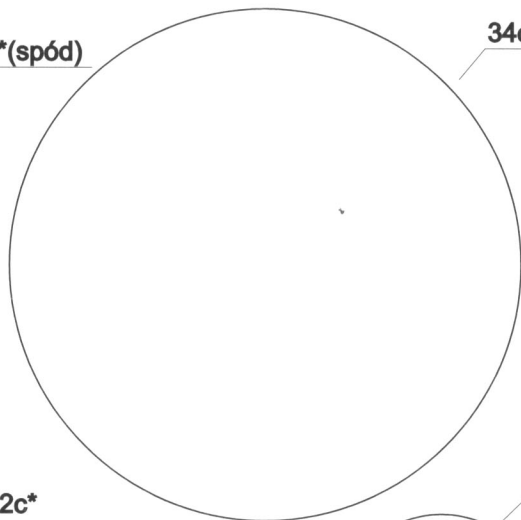
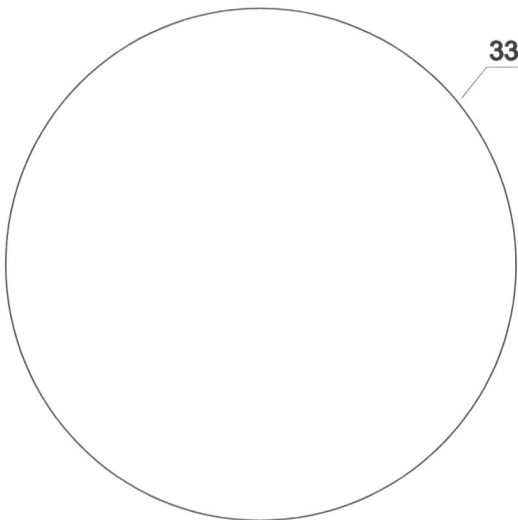
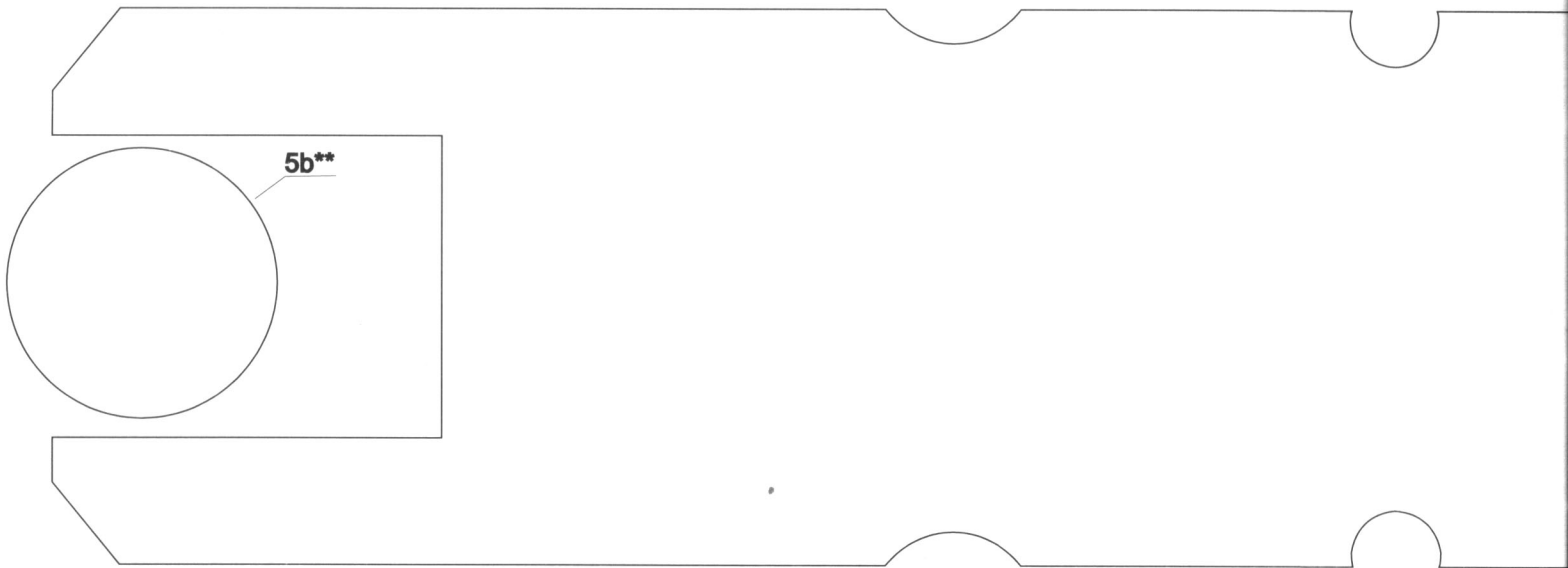


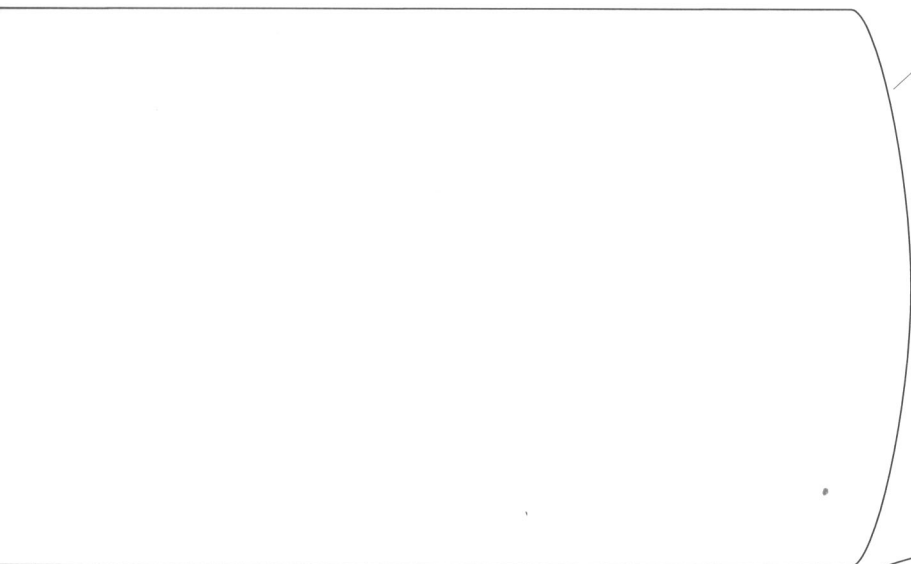




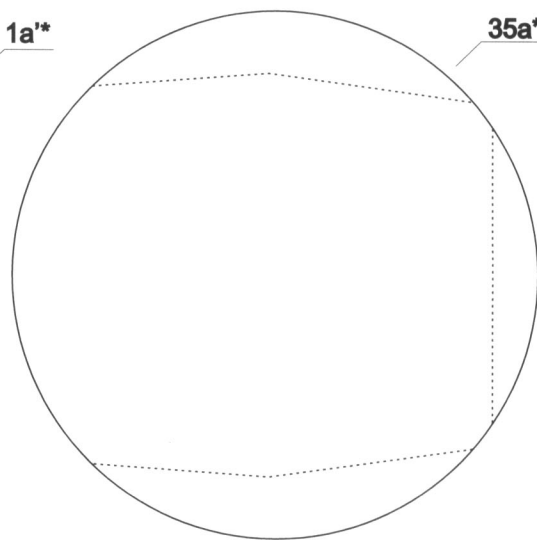
	5	6	7	8
P1A				
P1B				

12	13	14	15	16
P2A				
P2B				

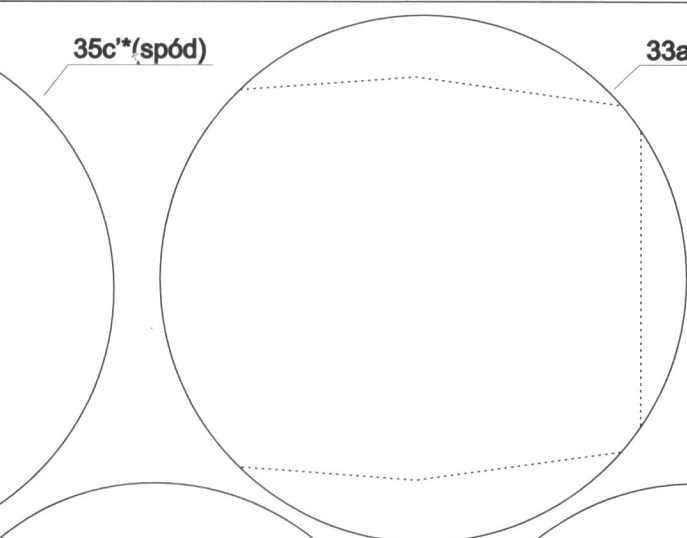




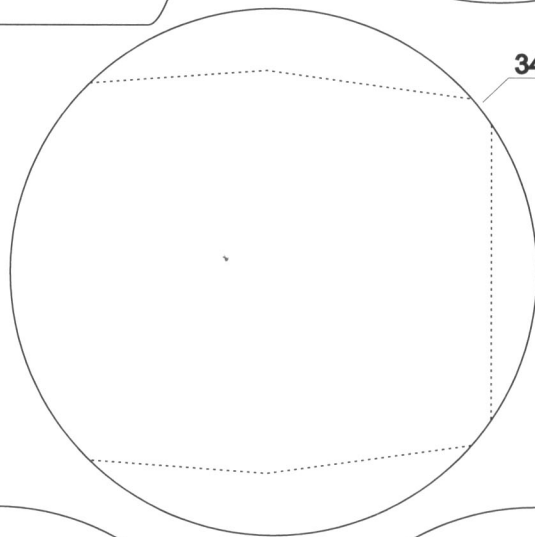
1a\*



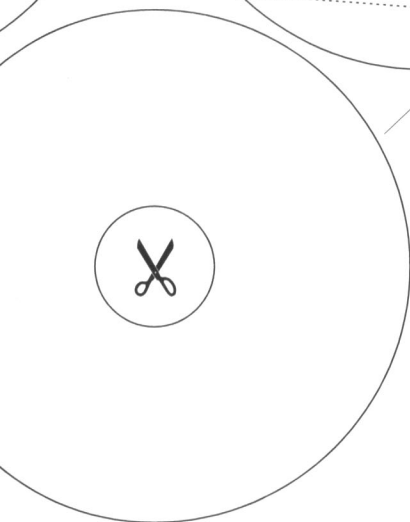
35a\*



33a\*

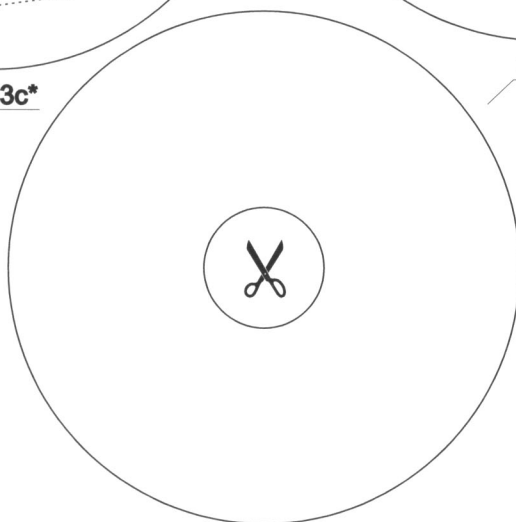


34a\*



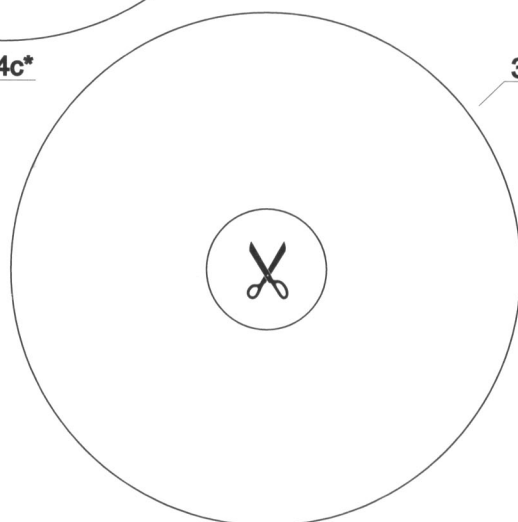
35c\*(spód)

33c\*



33c\*

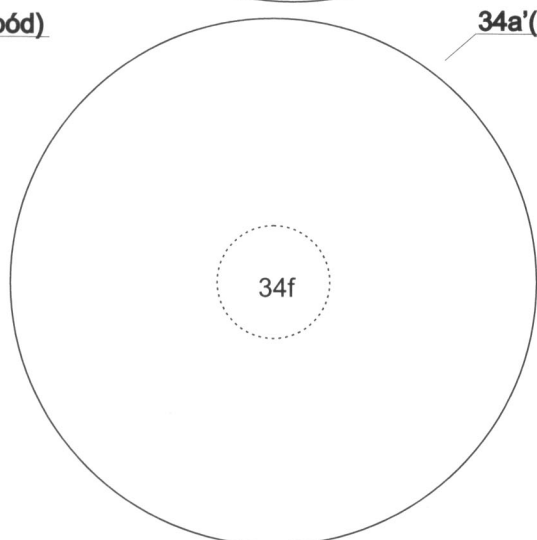
34c\*



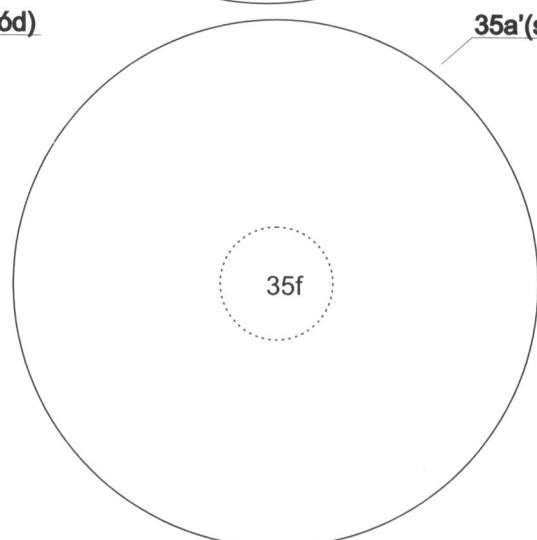
35c\*



33a'(spód)



34a'(spód)



35a'(spód)

33f

34f

35f





**OPIS BUDOWY:**

**Uwagi ogólne:**

- części oznaczone literą P(L) - str.prawa (lewa)
- części oznaczone gwiazdką \* - podkleić tekturą 1mm
- miejsca oznaczone symbolem nożyczek - wyciąć
- miejsca zagięć oznaczono kreskami.

Do klejenia użyć najlepiej kleju "Butapren", "Cyjanopan" i "Wiko!..

Budowę modelu rozpoczynamy od naklejenia wszystkich elementów szkieletu na tekturę 1mm i dokładnego ich wycięcia. Szkielet kleimy w dwóch etapach: najpierw montujemy część kadłuba poniżej linii wodnej (do podłużnic P4, P5, P6 - wręgi W1b - W25b oraz podłużnice P1b, P2b, P3b). Wymienione elementy składamy i kleimy butaprenem. Po przeschnięciu tą część kadłuba można jeszcze usztywnić, powlekając miejsca połączeń cienką warstwą wikolu. Całość przymocowujemy do idealnie płaskiej powierzchni, obciążamy i pozostawiamy do wyschnięcia. Do tak usztywnionej połowy kadłuba przyklejamy wcześniej złożoną część nadwodną (wręgi W1a - W25a i podłużnice P1a, P2a, P3a).Całość usztywniamy wikolem i pozostawiamy pod obciążeniem do wyschnięcia.

Następnie szkielet odwracamy i wykonujemy poszycie dna (el. D1 - D25). Od każdego elementu, odcinamy wąski paseczek i przyklejamy na odpowiednią krawędź wręgi. Elementy poszycia kleimy na styk.

Elementy pokładu głównego (P7, P8, P9, P10) podklejamy tekturą 1mm (nie grubsza!) i przyklejamy wg rys.1. Potem kadłub oklejamy burtami (el. B1 - B4 L,P) , przyklejamy pancierz (el. B5, B6 L,P) oraz stepki (el. B7 L,P).

Następnie wykonujemy usterzenie okrętu (el. S1 - S11, wg. rys.

2). Do wałów śrub można użyć drutu gr. 3mm, owijając go owijką S5.

Tak wykonany kadłub można już umieścić na podstawce, której elementy podklejamy tekturą gr. 3mm.

Teraz przystępujemy do wykonania nadbudówek.Od tej chwili należy zwracać baczną uwagę na oznaczenia części nadbudówek i artylerii ze względu na wzór kamuflażu.Okręt posiada jedną nadbudówkę główną (el. 1), na której umieszczone są pozostałe nadbudówki i platformy (el. 2 - 12) oraz dalmierze (el. 13 - 18).Elementy te skleamy kolejno, wg rys. 3.Poprzez el. 13 - 18 przeprowadzamy trzpień (el. 12c), bowiem dalmierze art. głównej są obrotowe.Na szczycie tej konstrukcji umieszczamy jeszcze jedną platformę (el. 19 - 21) i radar (el. 59).

Następnie wykonujemy pozostałe części konstrukcji. Zaczynamy od nadb. 25b,którą przyklejamy w oznaczonym miejscu (na el. 1), a na jej górnej ściance przyklejamy el. 25a.Na tym etapie budowy można już zamontować maszt główny (el. 111), przeciągając go przez otwory w el.11d, 6a, 25a i przyklejając u dołu do el.1(w ozn. miejscu).Cz. 111a masztu nakrywamy od góry platformą 22, która łączy się z el 21, stanowiącym zwieńczenie całej konstrukcji nadbudówek pancernika.Przez el.22 przechodzi jeszcze górna część masztu - el.111b.Masztu wykonujemy wg szablonów w skali 1:1, zamieszczonych na tej stronie.

Kominy wykonujemy wg rys. 4, i przyklejamy w oznaczonych miejscach na cz. 1.

Teraz wykonamy platformę 23, składającą się z dwóch części: 23a i 23b (rys. 3). Cz. 23a jest położona wyżej o około 2 mm od cz. 23b.Całość jest podparta wspornikami 23f, 23g, i 23h, zaś przez cz. 23a przechodzi kolumna dalmierza (el. 30). Ponadto należy wykonać w niej 4 otwory, przez które przejdą wsporniki 24c do następnej platformy (el. 24).Jest ona położona wyżej od poprzedniej i przylega swym wycięciem

do komina 26.W platformie 24 wycinamy 6 otworów dla wsporników (el. 24c).Wsporniki te wystają 1mm ponad poziom platformy, zaś w ich wnętrzu osadzamy trzpień elementów 54 i 55, które są obrotowe.

Następnie wg rys. 5 wykonujemy nadb. 28 wraz z masztem 112, dalmierzem 31 (rys. 6) i dźwigiem 70. Można też już wykonać dalmierze (el. 29), które są osadzone trzpieniem 29j w kolumnie 4d i są obrotowe (rys. 7).

Obecnie zajmijmy się uzbrojeniem okrętu. Wieże artylerii 381 mm (el. 32) umieszczamy na trzech różnych barbetach (licząc od dziobu - cz. 33, 34, 35, rys. 8). Pozostałe wieże: 150mm (el.36, rys.9) i 90mm (el. 37, rys.10) kleimy, zwracając uwagę na oznaczenia części (każda część jest przypisana do konkretnej wieży, ze względu na kamuflaż). Ponadto na miejscach przyklejenia wież 381mm i 90mm są uwidocznione punkty, w których powinny znaleźć się łączenia części - to również jest warunkiem odpowiedniego dopasowania wzoru kamuflażu.

Artylerię p - lot. (el. 38 - 41) wykonujemy wg rys. 11-14 i umieszczamy w oznaczonych miejscach na platformach: 23 oraz 42, 43, 44 przy wieżach artyleryjskich.

Następnie wykonujemy katapultę dla samolotu Re 2000 (rys. 15), dźwig 92 (rys. 16) i same samoloty (rys.17 i 18 na tej stronie).

Wodnosamolot IMAM umieszczamy na prowadnicach 116a na rufie. Potem wykonujemy pozostałe elementy modelu (rys. 19) oraz szalupy, kutry i tratwy (rys. 20). Przy klejeniu detali na dziobie należy zwrócić baczną uwagę na numerację części, ze względu na biało-czerwone pasy kamuflażu. Dokładne oznaczenia detali na dziobie są uwidocznione na planie generalnym okrętu.

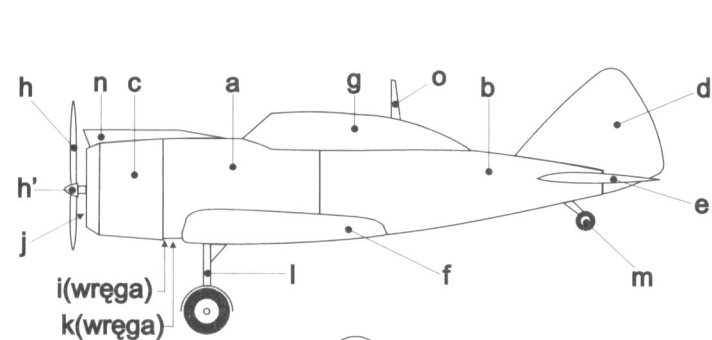
Relingi można wykonać dwójako: albo bezpośrednio wycinając elementy ze str. 14, bądź też traktując je jako szablony wobec relingów

nabytych w sklepach modelarskich (skala 1:200). Miejsca przyklejenia relingów są uwidocznione na rysunkach montażowych.

Olinowanie wykonujemy wg planu generalnego. Linki otrzymujemy poprzez rozgrzanie nad płomieniem i rozciągnięcie ramek - pozostałości po modelach plastikowych.

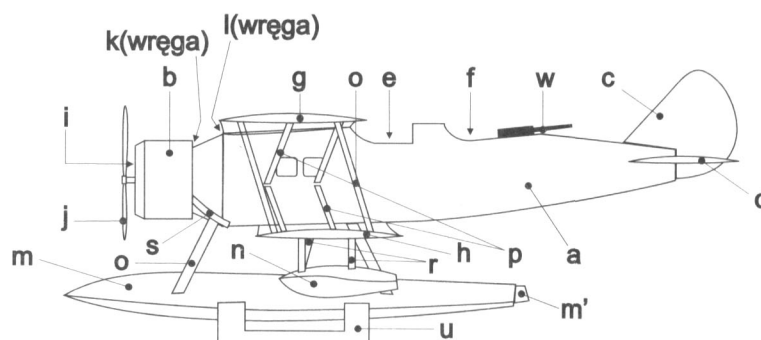
Okręt po starannym wykonaniu prezentuje się bardzo efektywnie zaś praca dostarcza wielu satysfakcji.

### Samoloty:



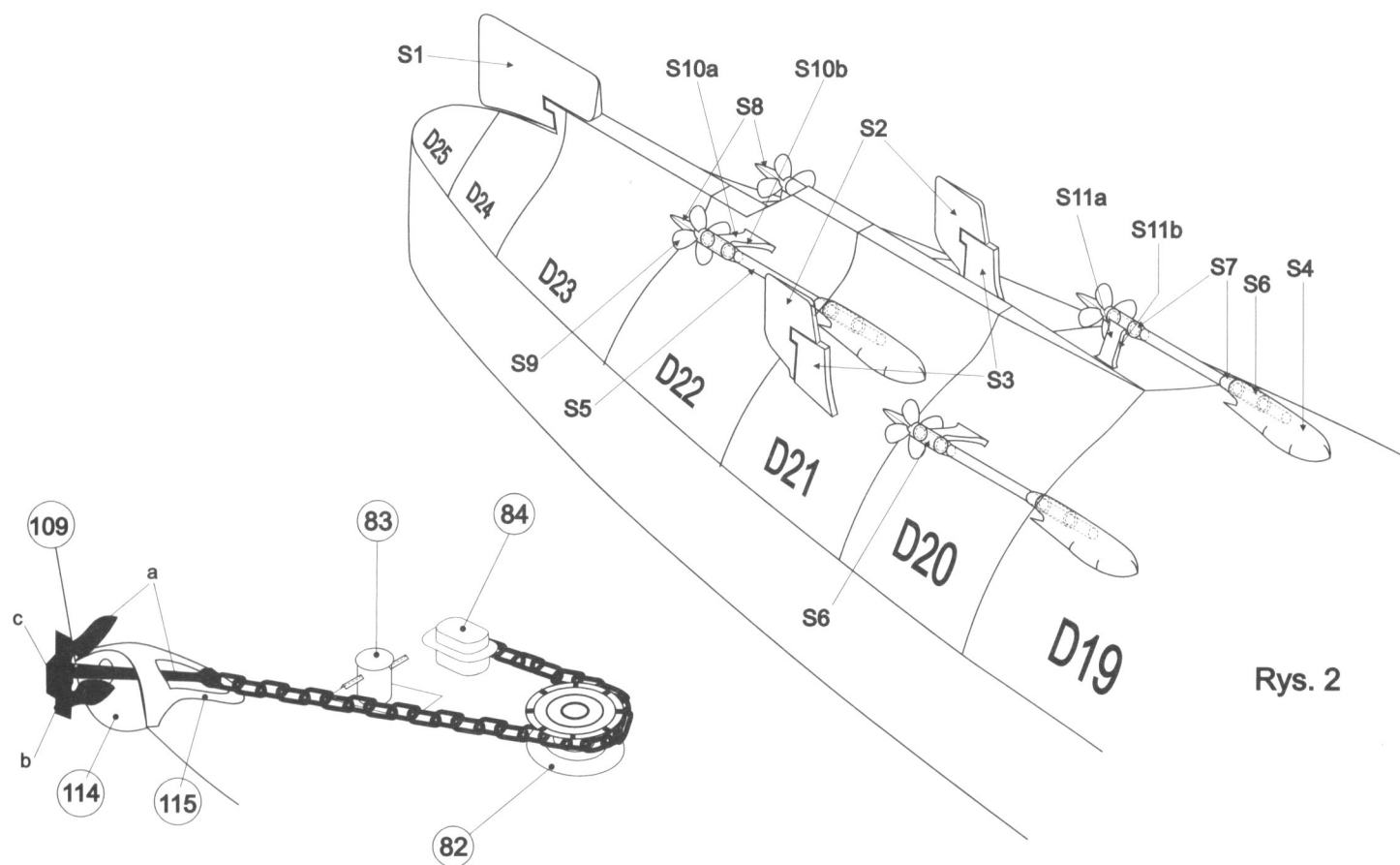
118 Reggiane Re 2000

Rys. 17



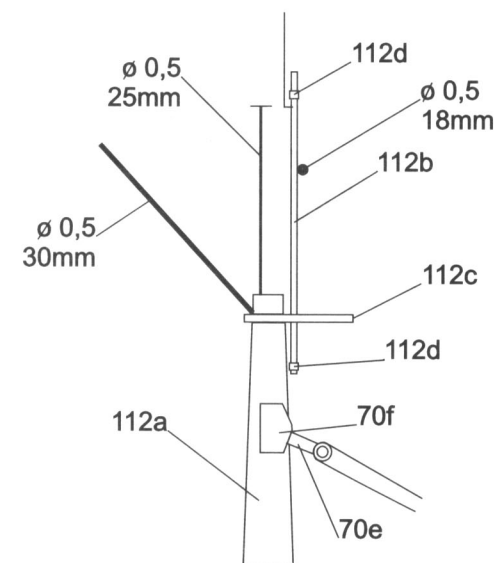
117 IMAM Ro 43

Rys. 18

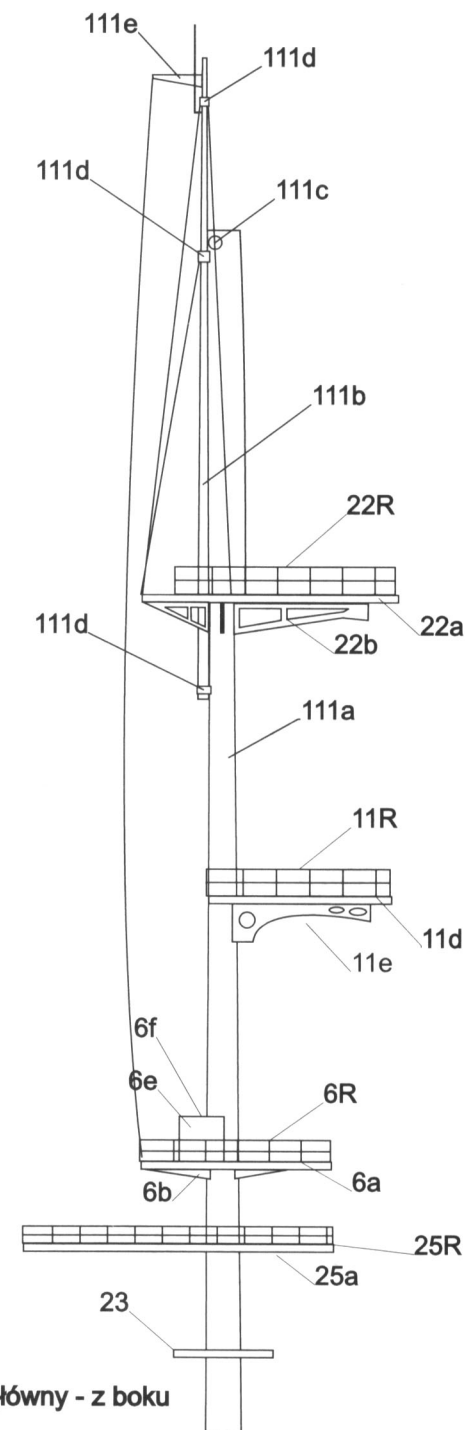
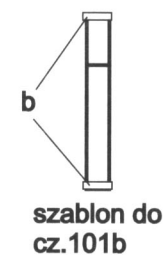
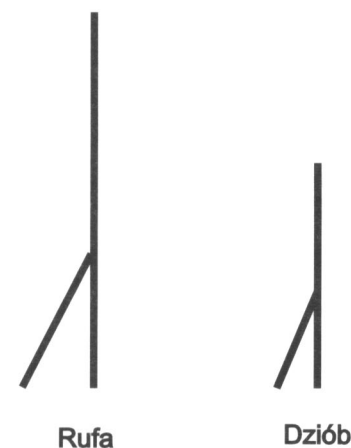


Rys. 2

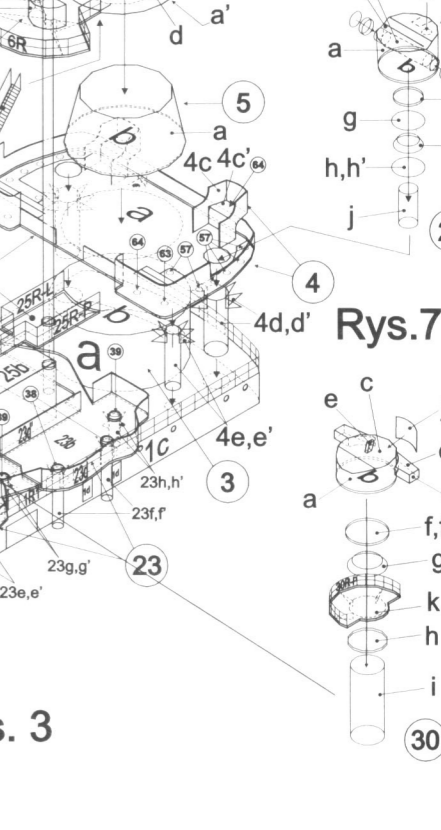
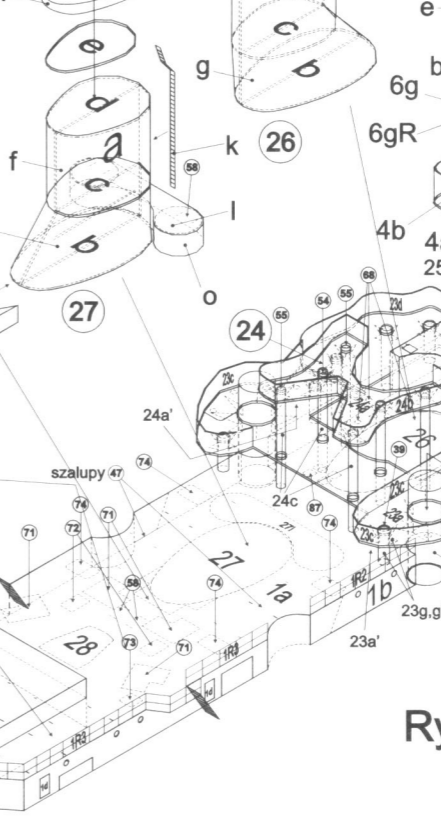
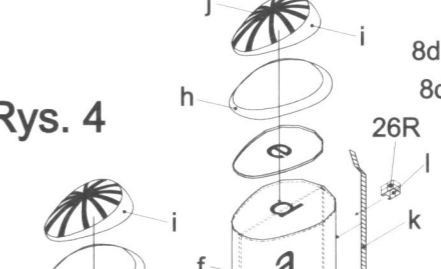
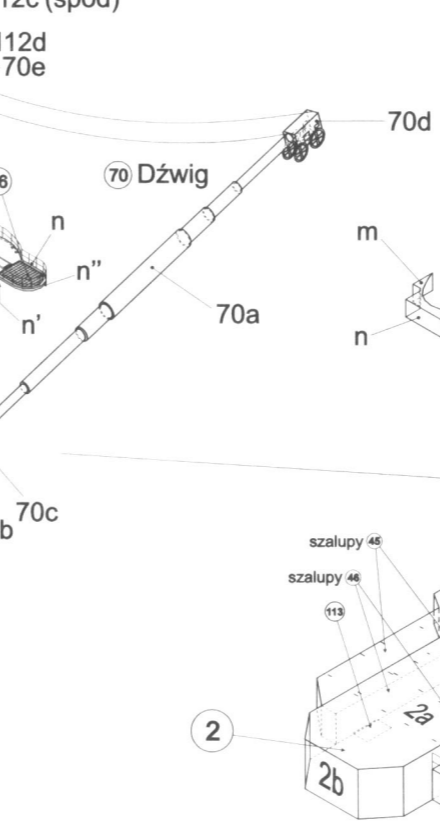
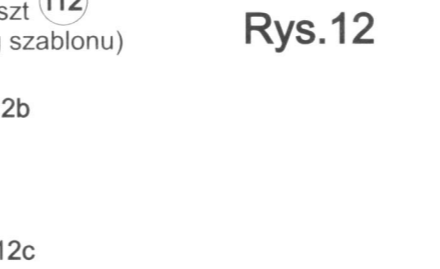
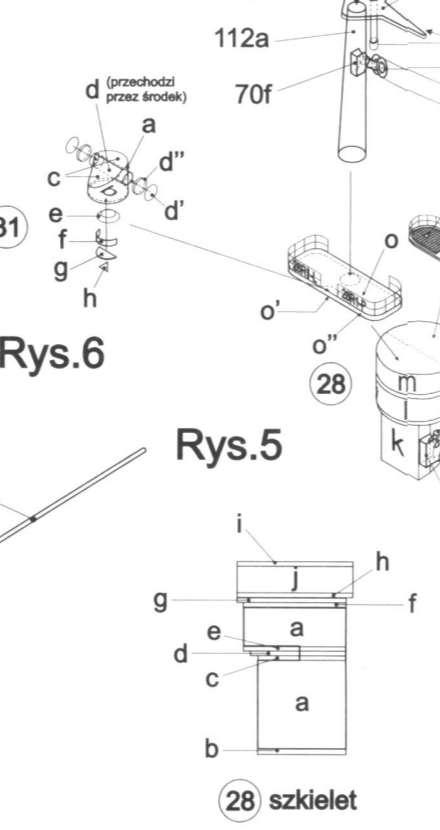
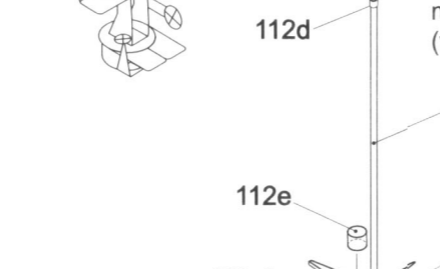
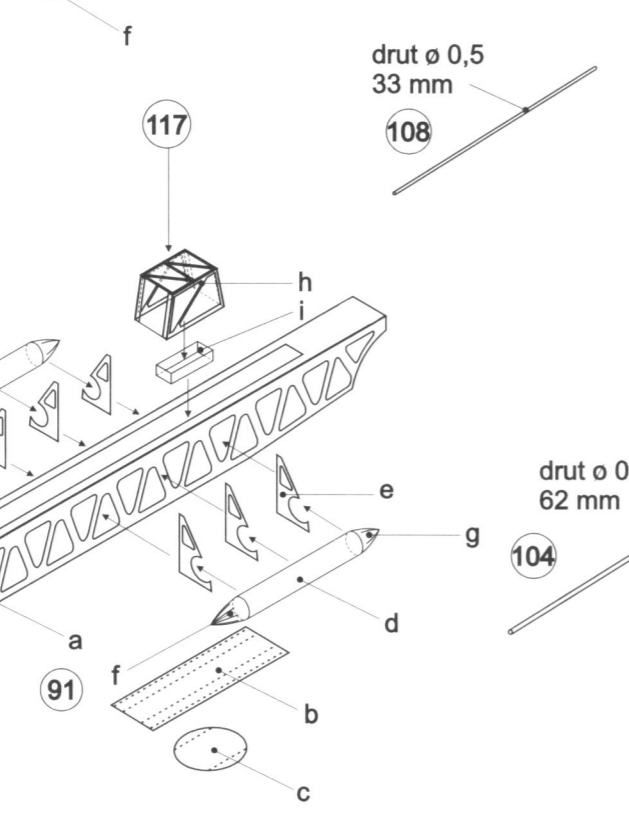
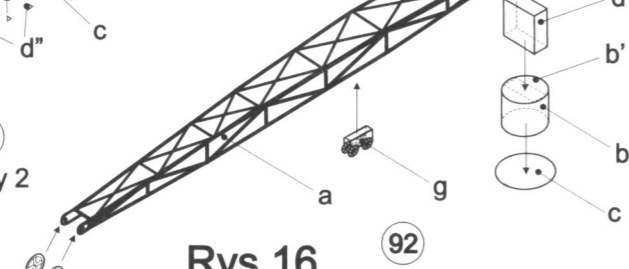
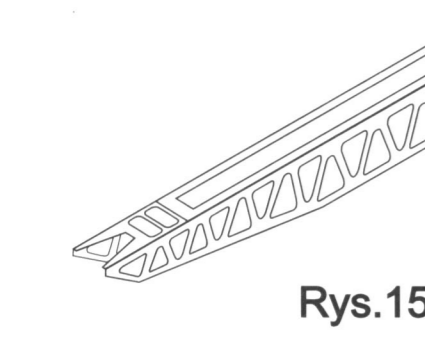
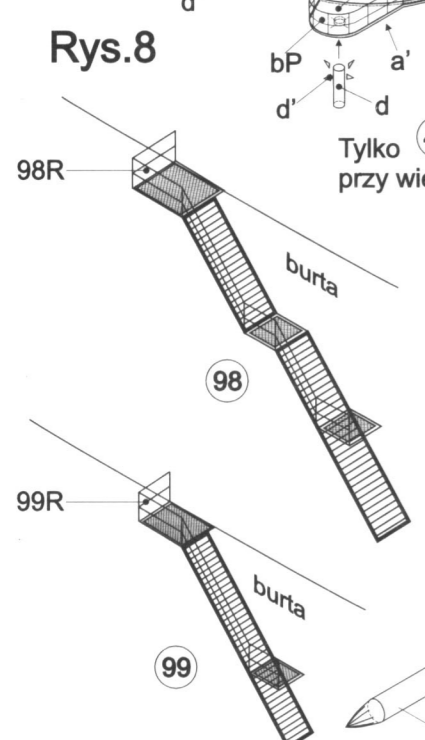
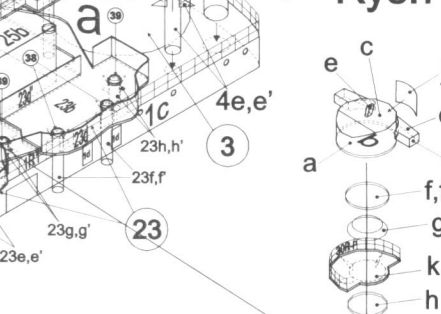
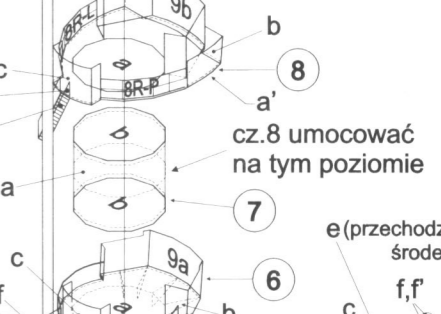
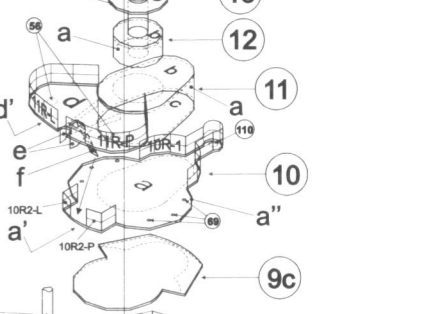
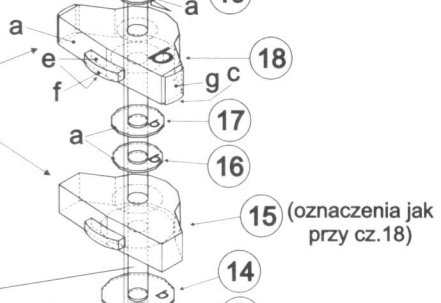
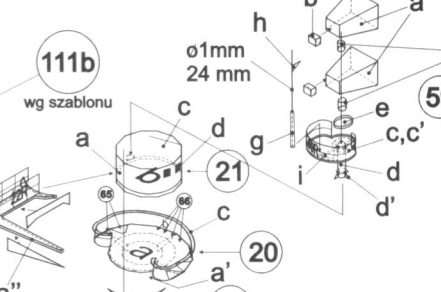
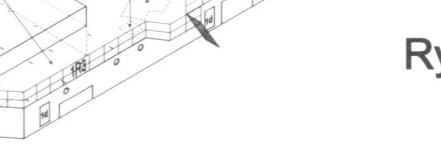
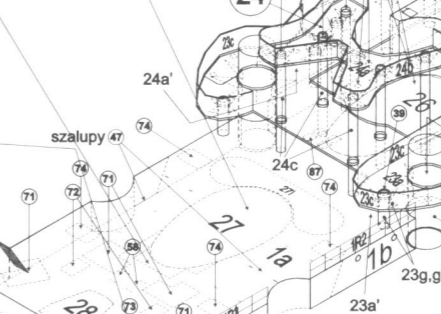
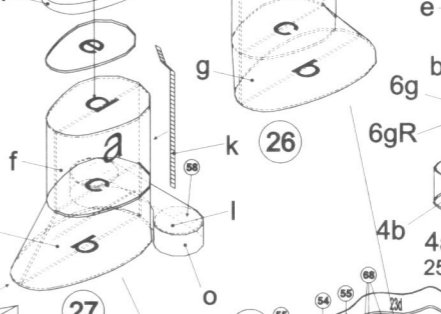
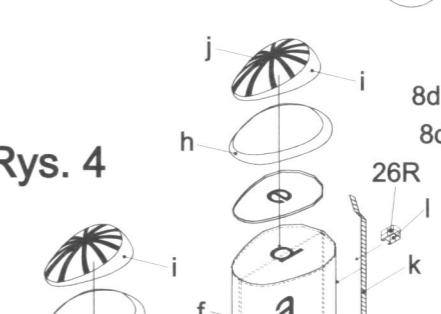
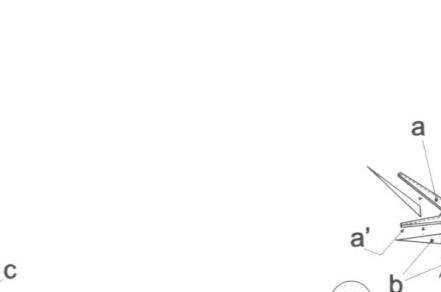
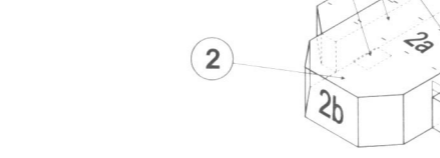
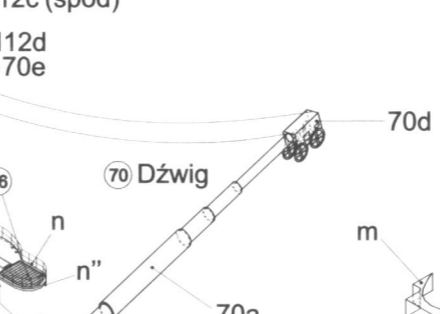
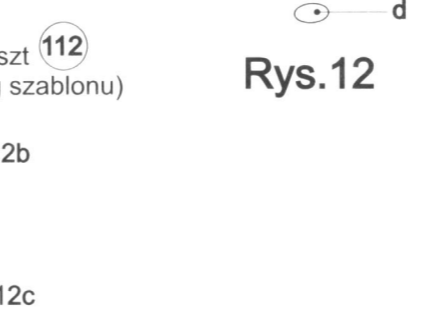
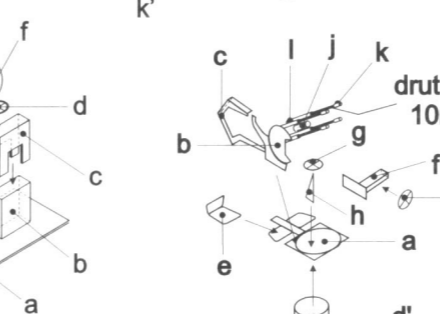
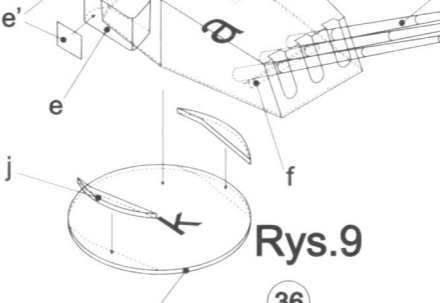
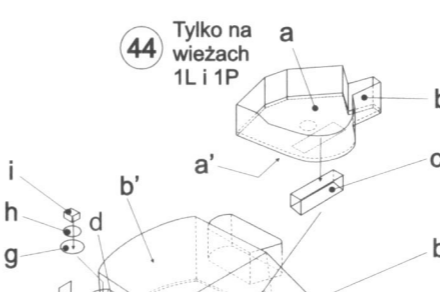
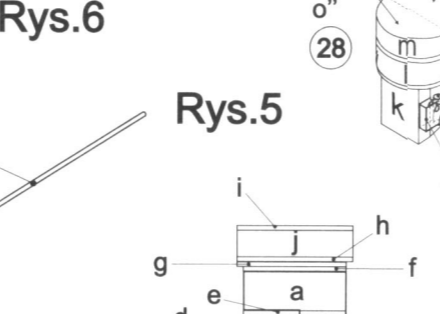
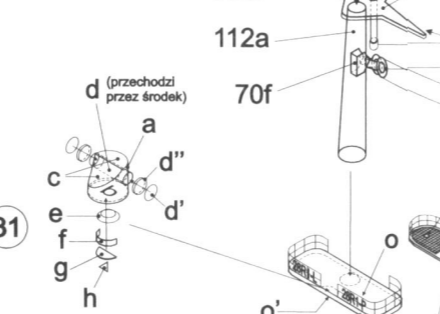
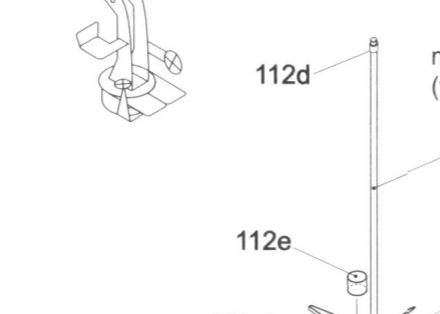
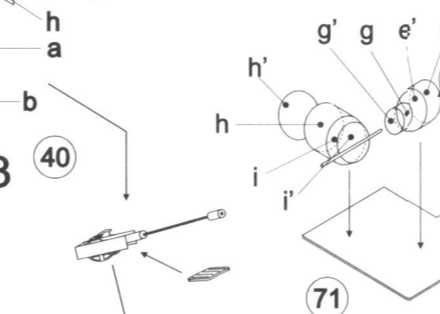
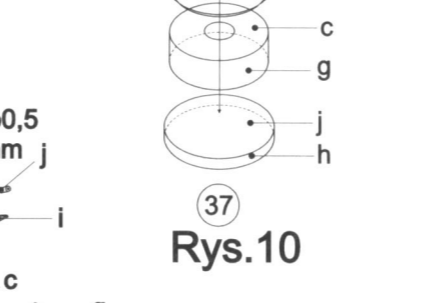
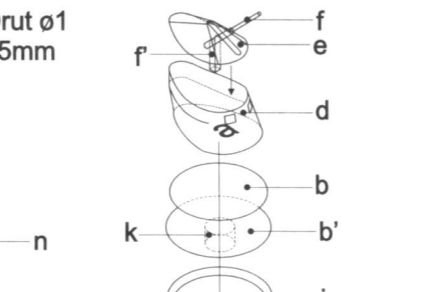
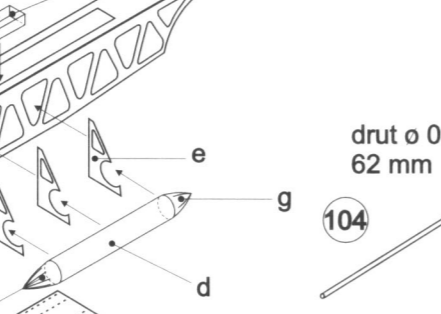
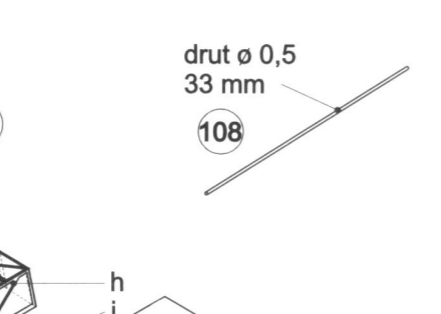
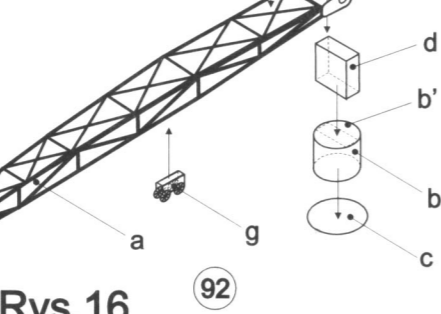
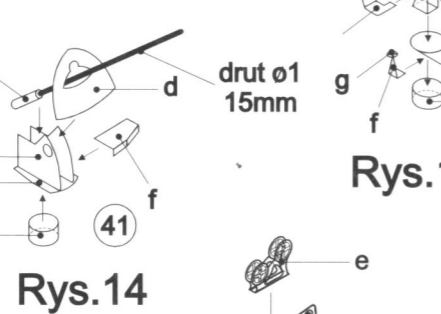
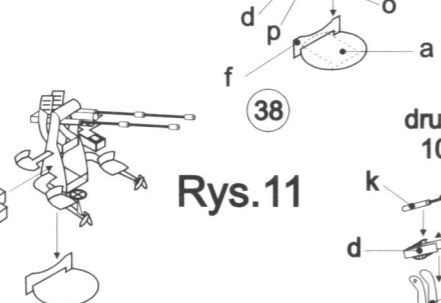
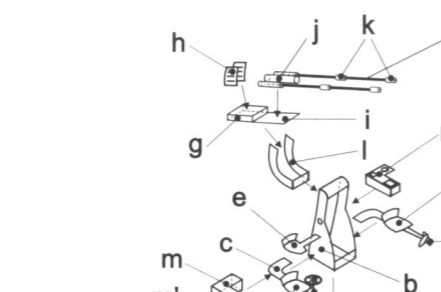
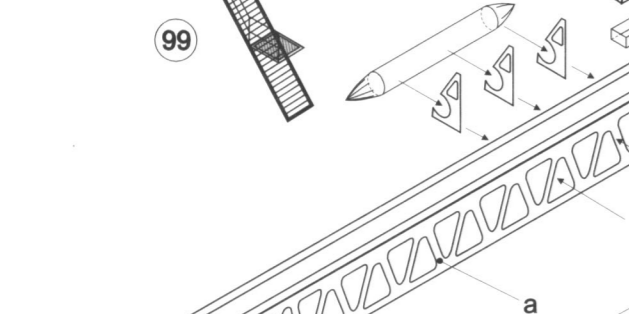
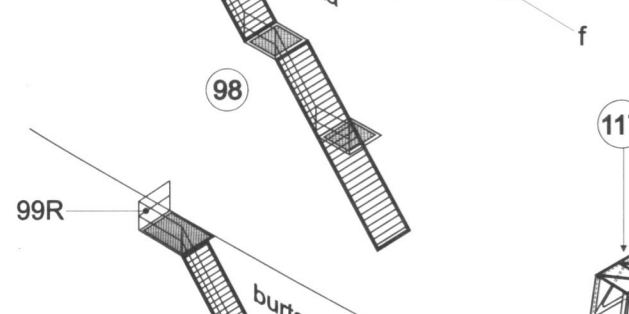
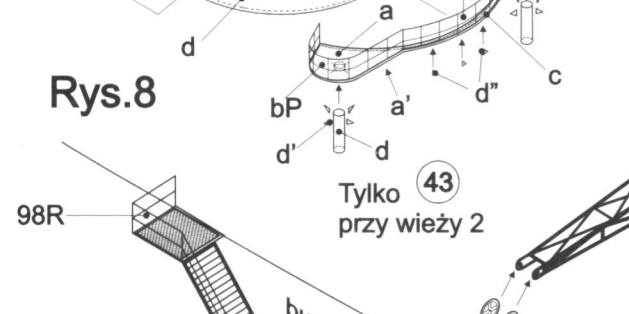
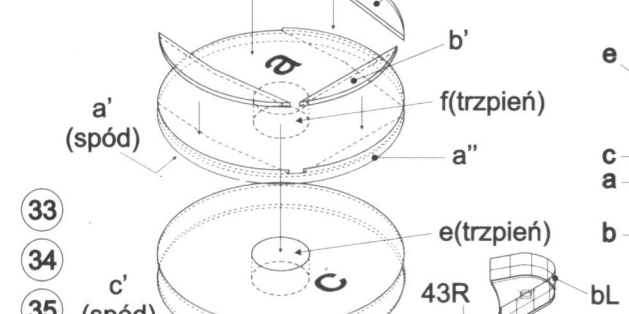
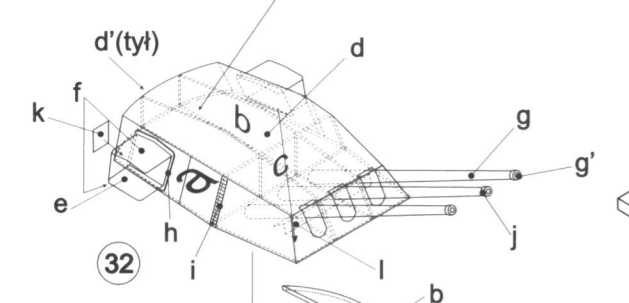
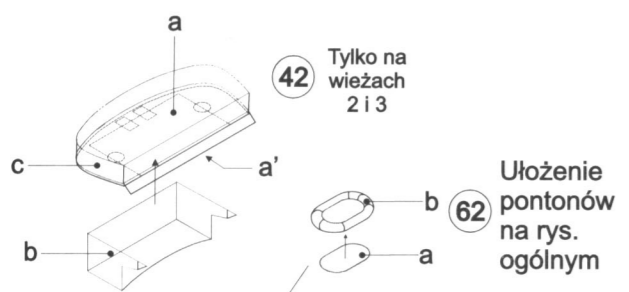
### Maszt:



### Szablony flagsztoków



Maszt główny - z boku



Trzpień 12c łączy cz. 12b i 19b. Części pośrednie są ruchome.

cz. 18d i 15d wklejane od środka

cz. 8 umocować na tym poziomie

szalupy 47

szalupy 46

szalupy 45

szalupy 44

szalupy 43

szalupy 42

szalupy 41

szalupy 40

szalupy 39

szalupy 38

szalupy 37

szalupy 36

szalupy 35

szalupy 34

szalupy 33

szalupy 32

szalupy 31

szalupy 30

szalupy 29

szalupy 28

szalupy 27

szalupy 26

szalupy 25

szalupy 24

szalupy 23

szalupy 22

szalupy 21

szalupy 20

szalupy 19

szalupy 18

szalupy 17

szalupy 16

szalupy 15

szalupy 14

szalupy 13

szalupy 12

szalupy 11

szalupy 10

szalupy 9

szalupy 8

szalupy 7

szalupy 6

szalupy 5

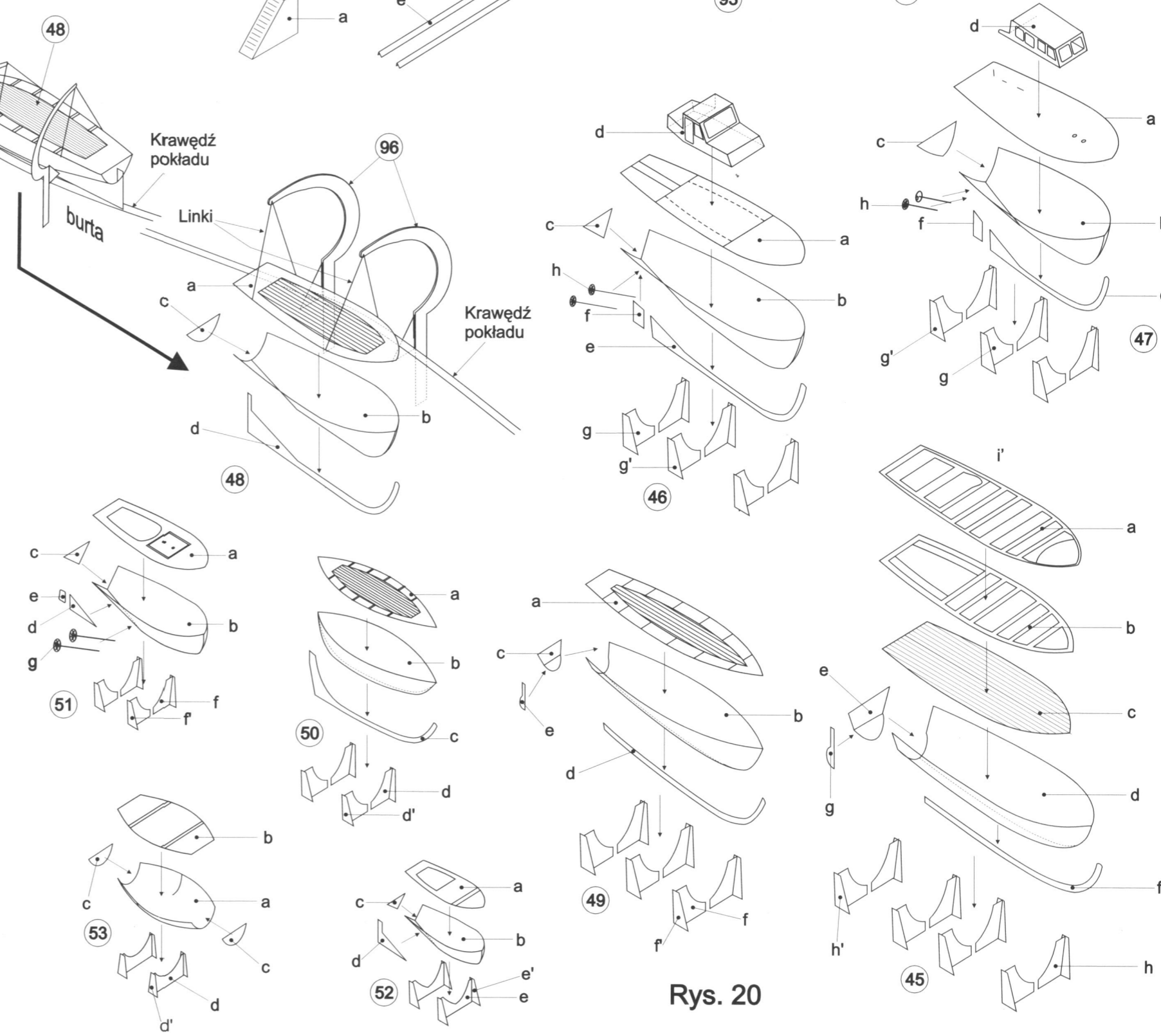
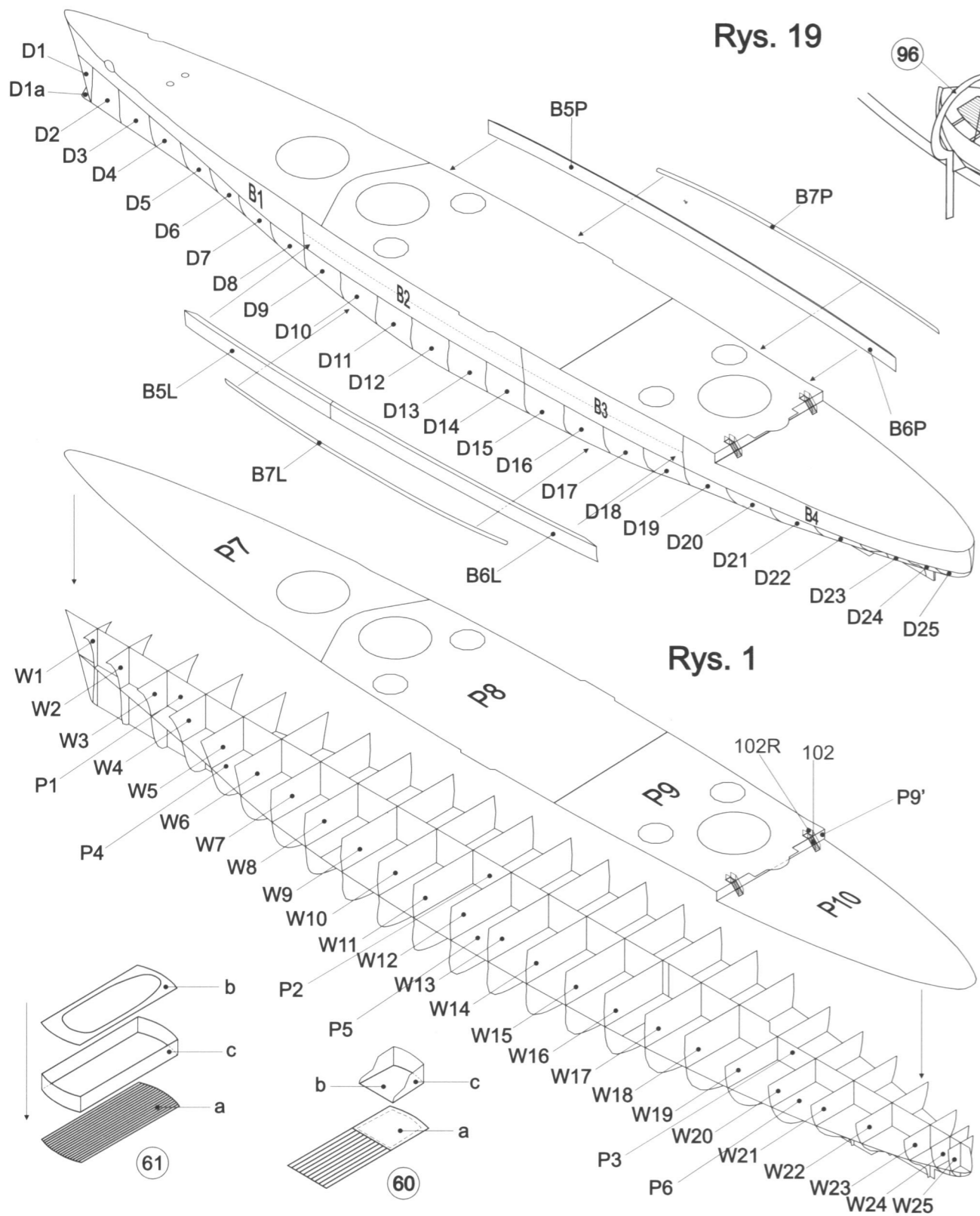
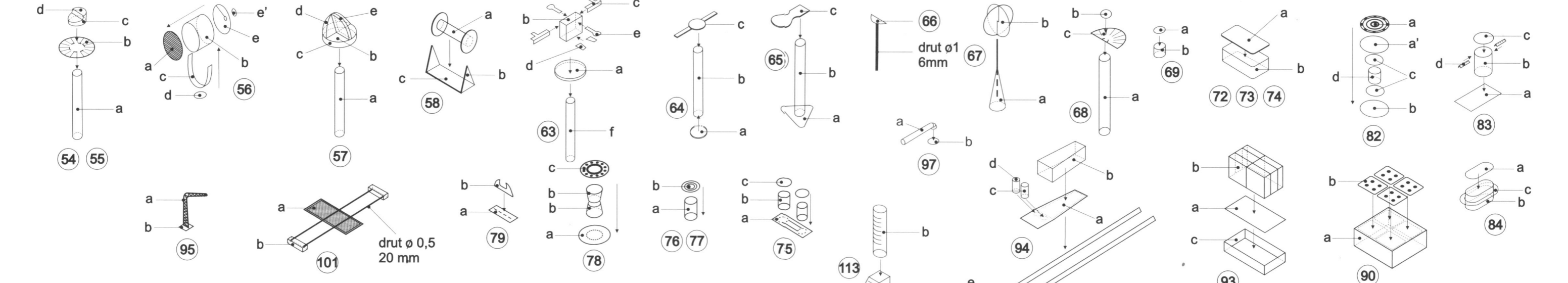
szalupy 4

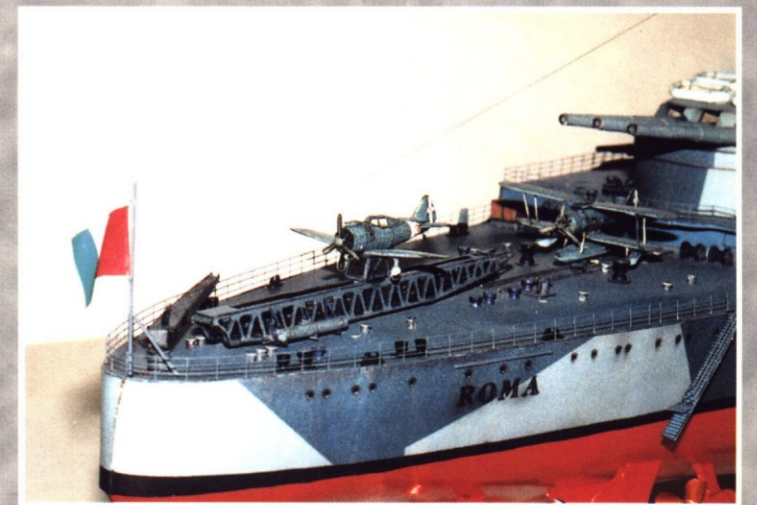
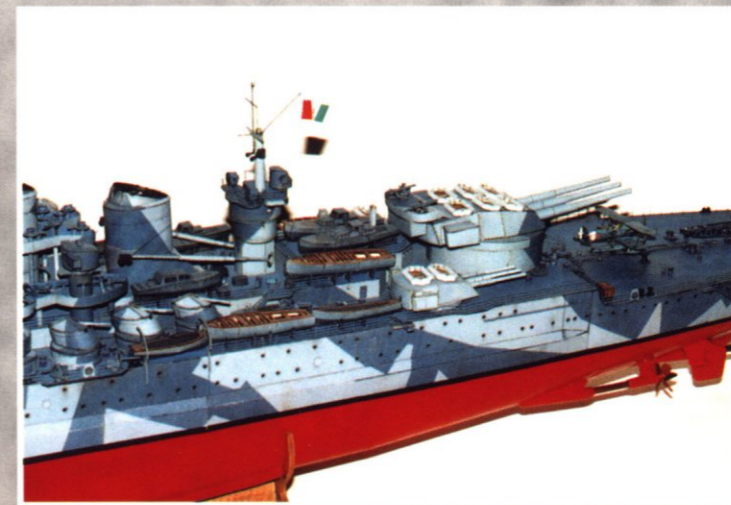
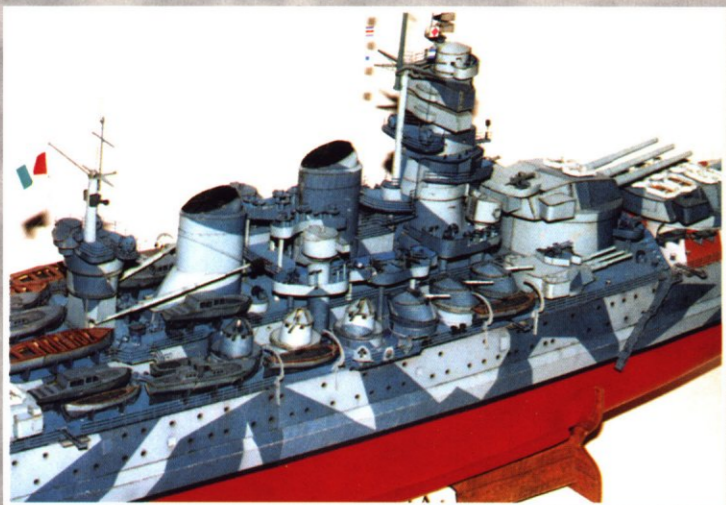
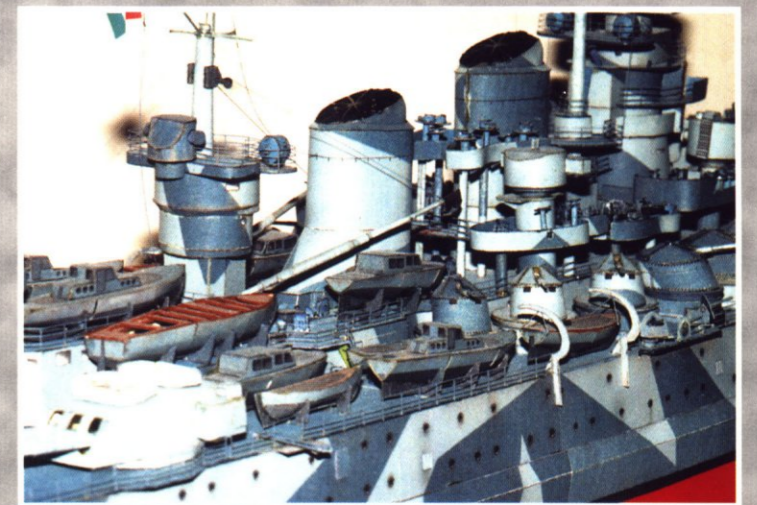
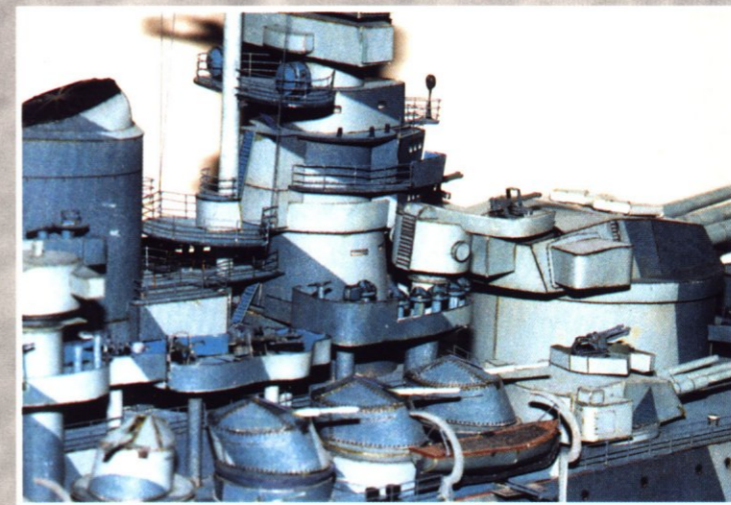
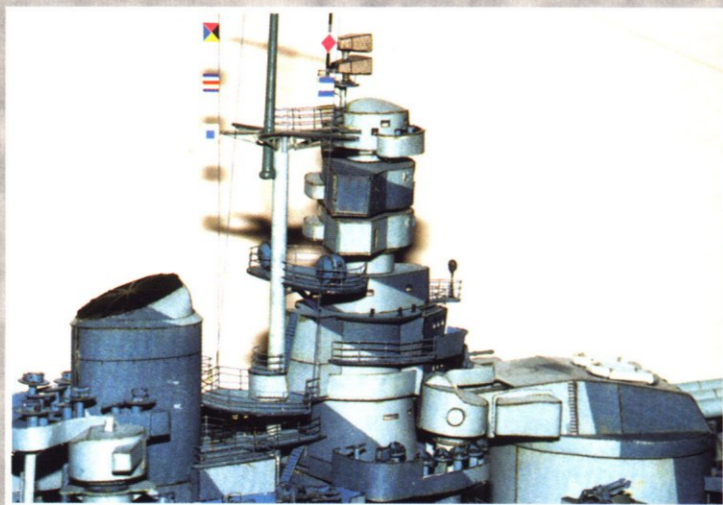
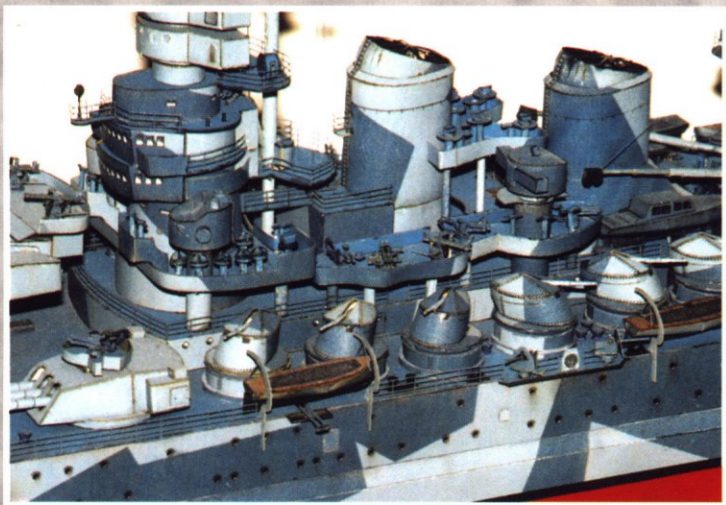
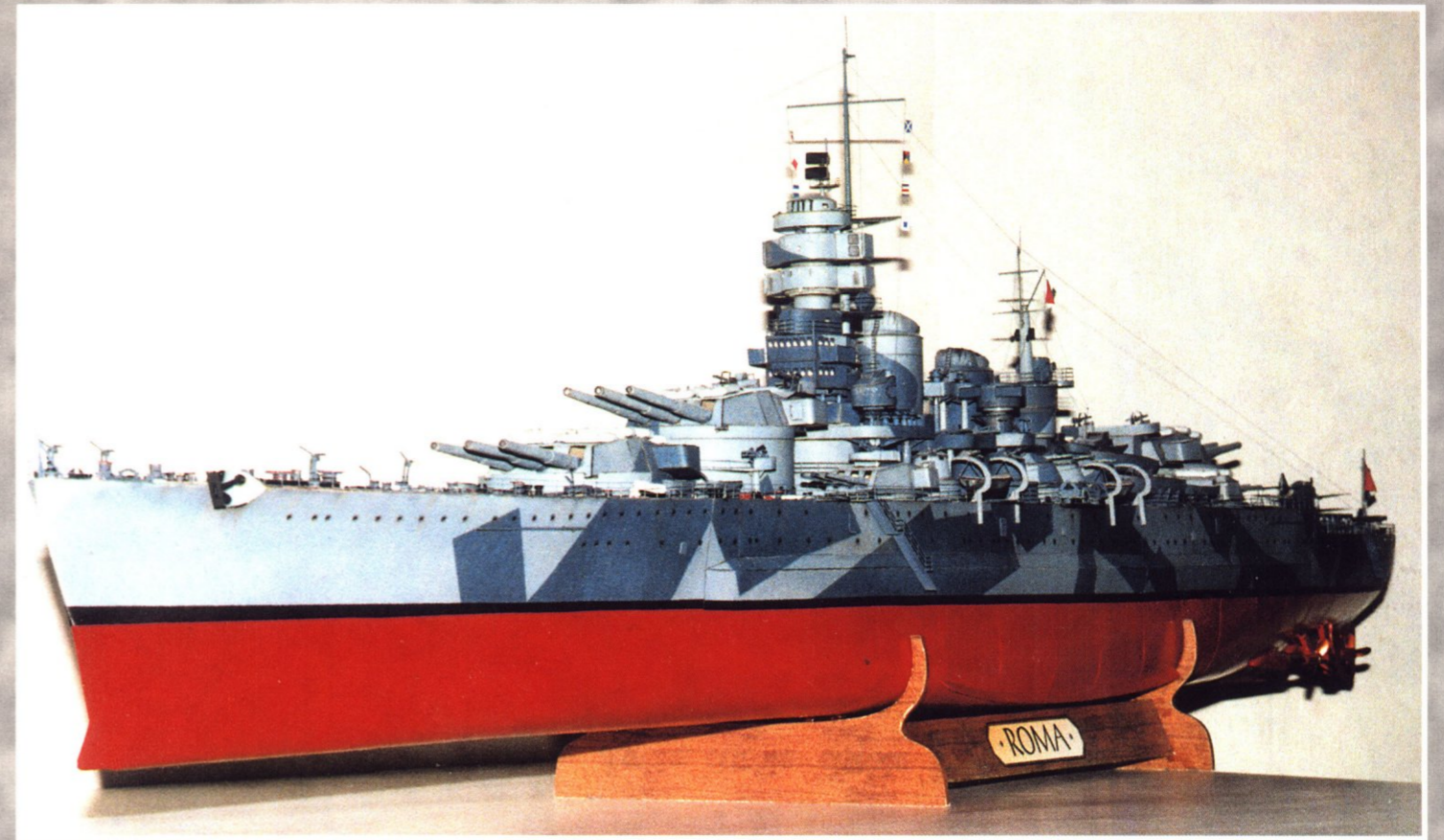
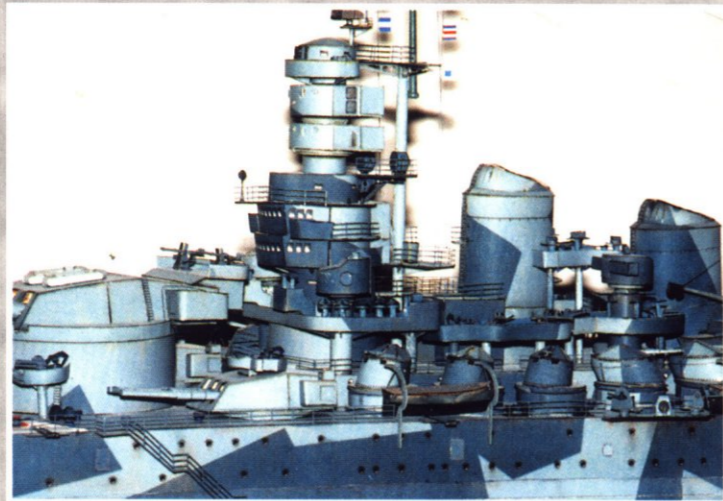
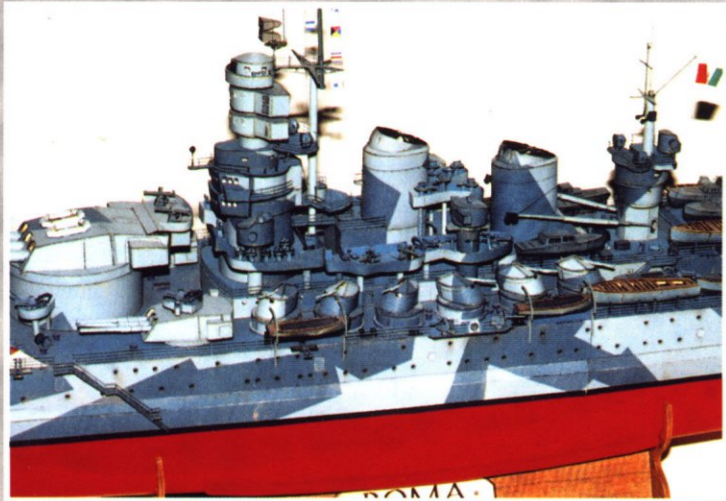
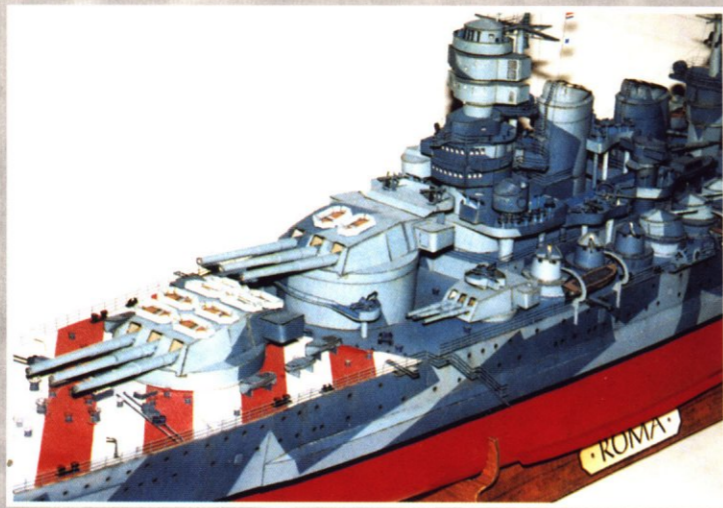
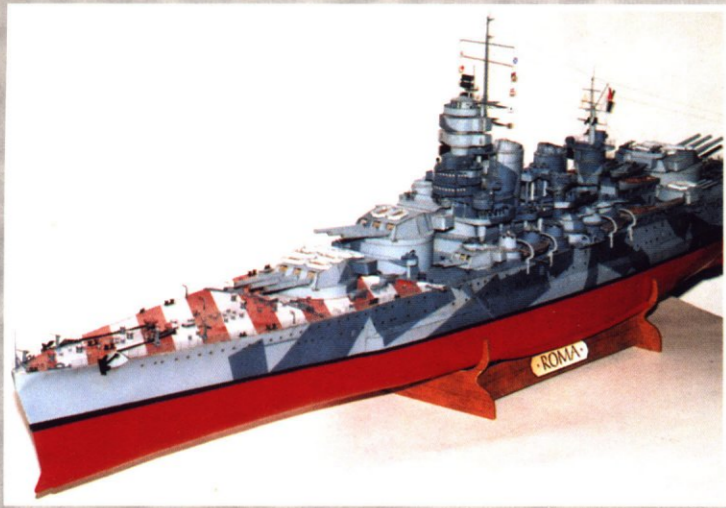
szalupy 3

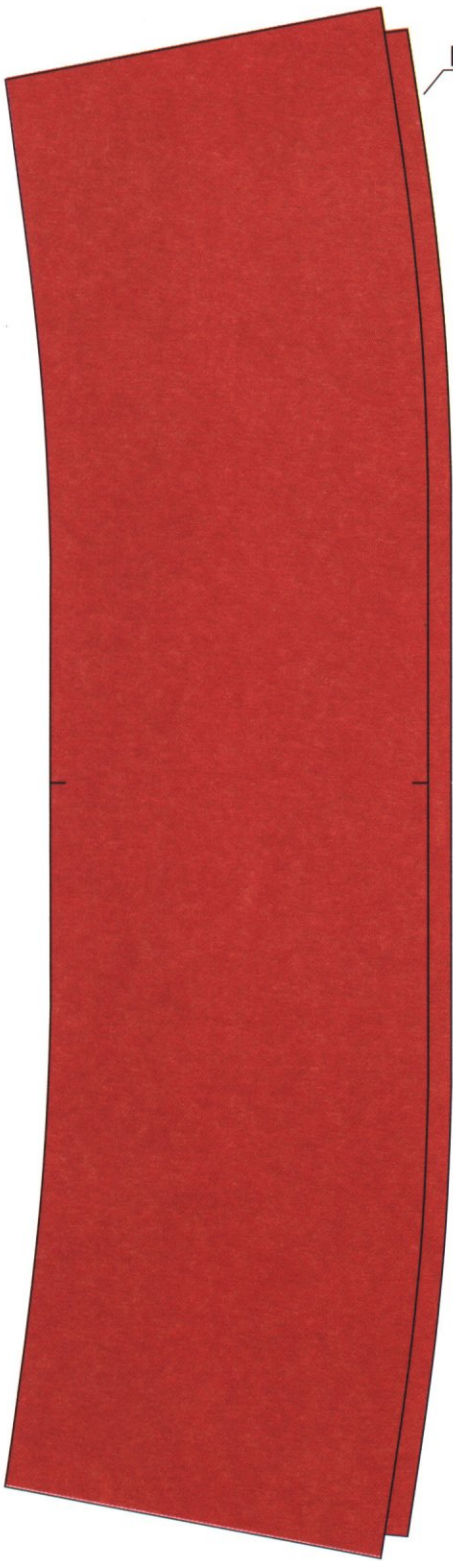
szalupy 2

szalupy 1

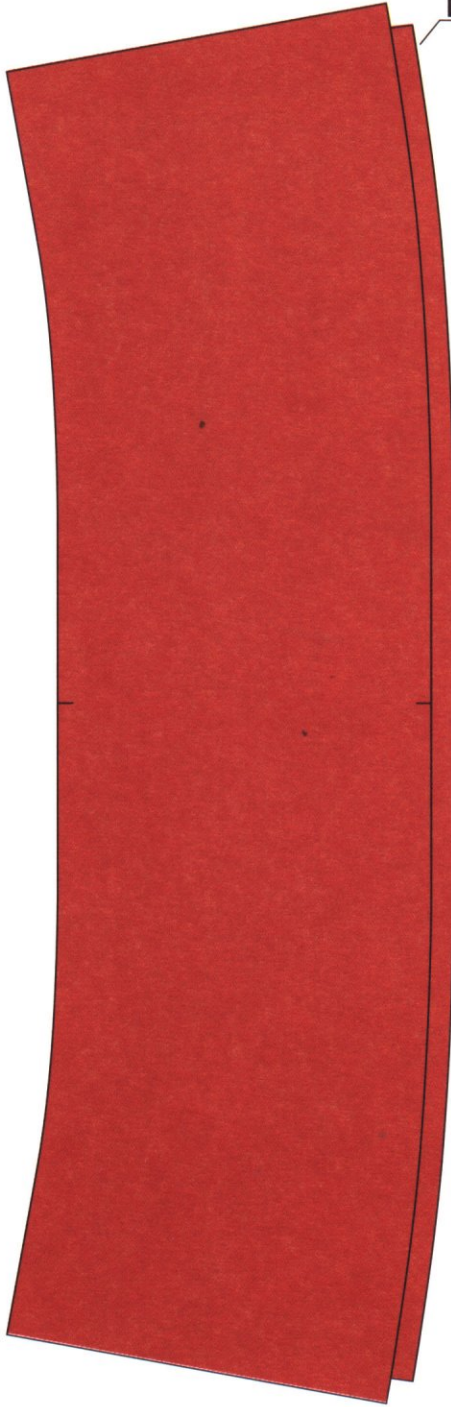
szalupy 0



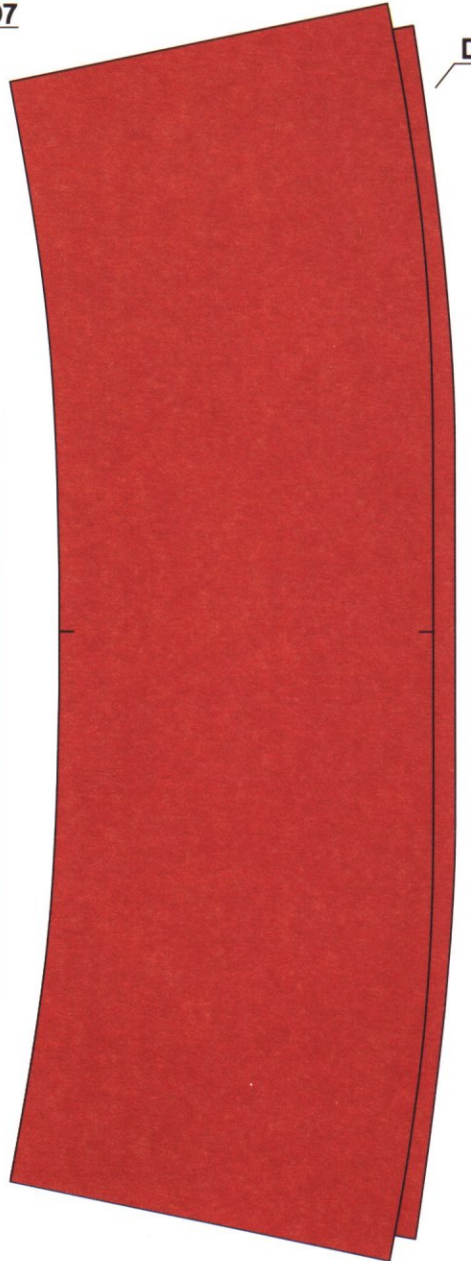




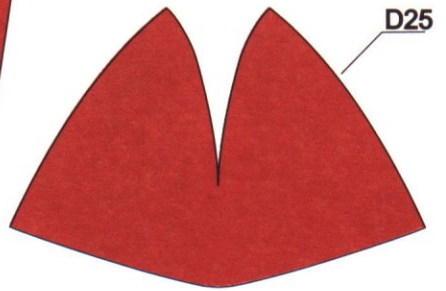
D8



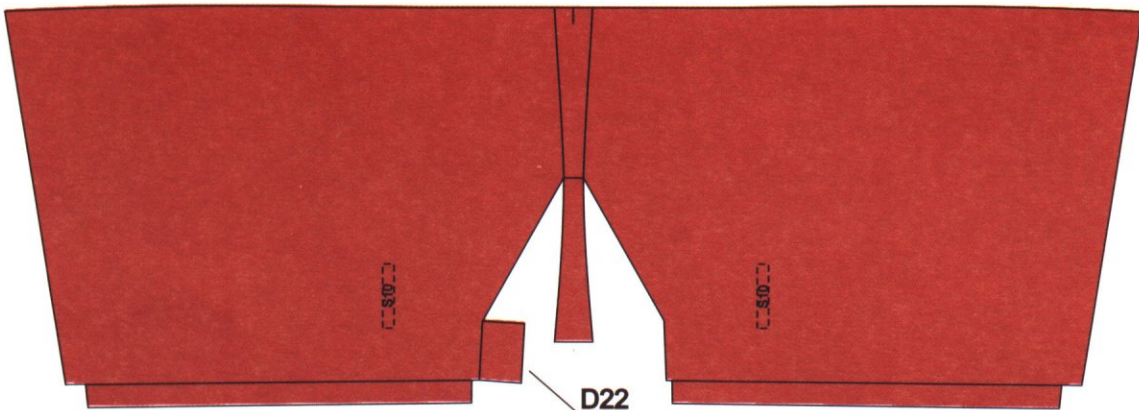
D7



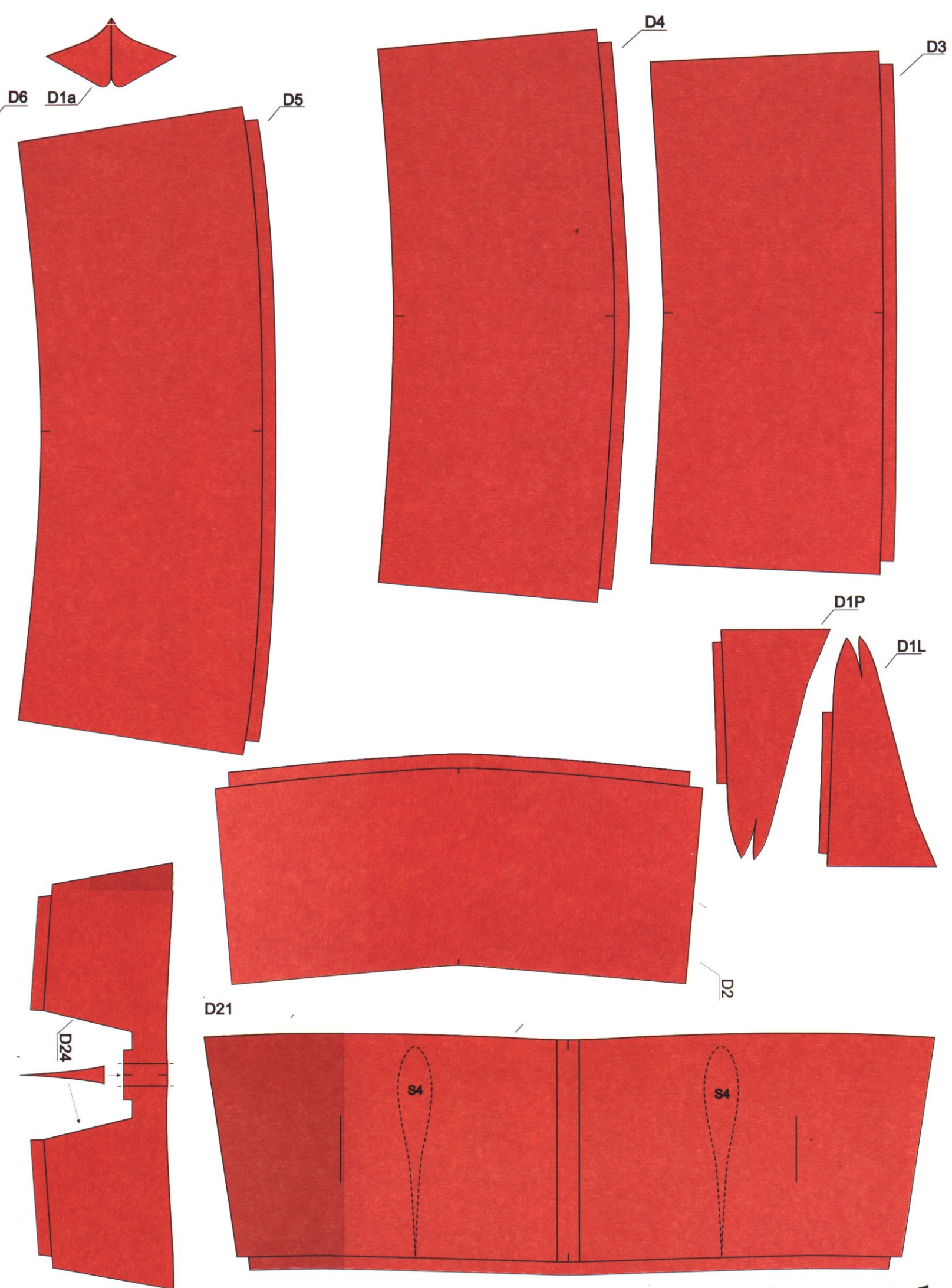
D6



D25



D22



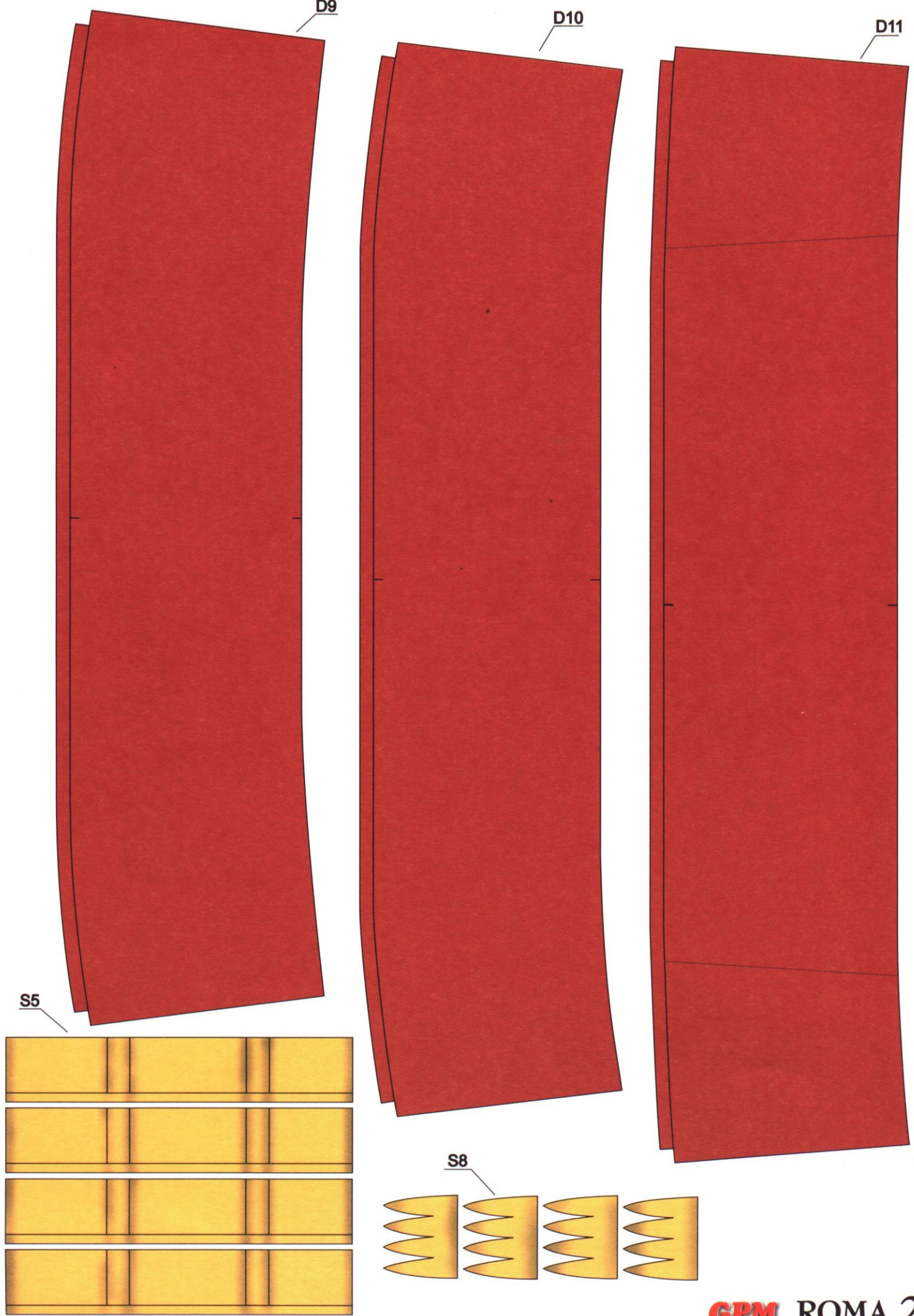
D9

D10

D11

S5

S8





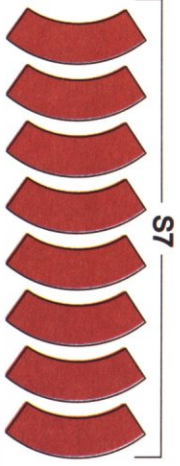
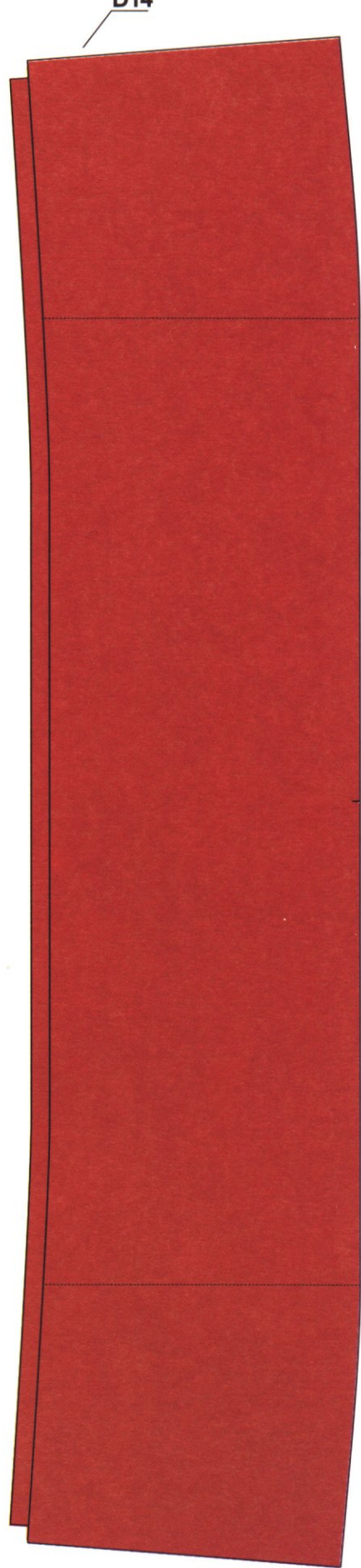
D12



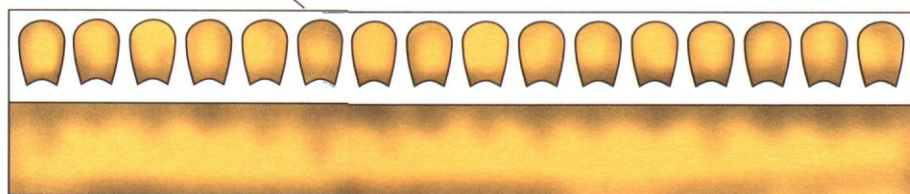
D13



D14



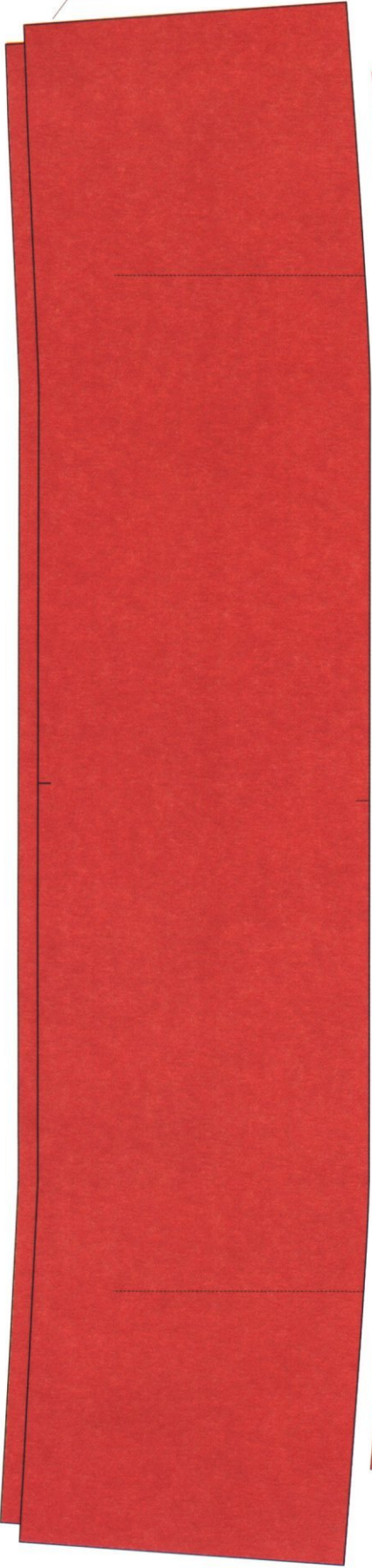
S9



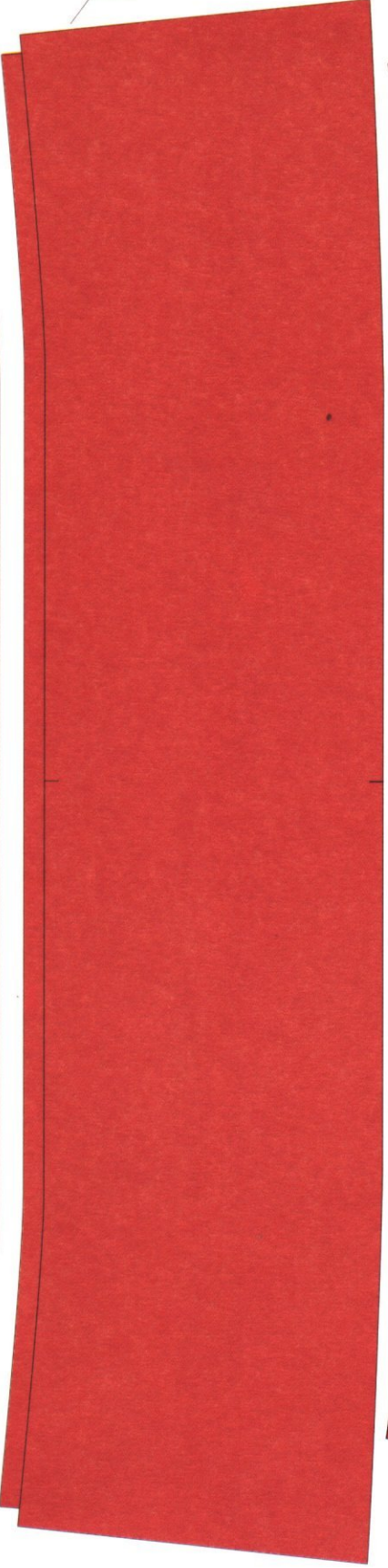
S11a



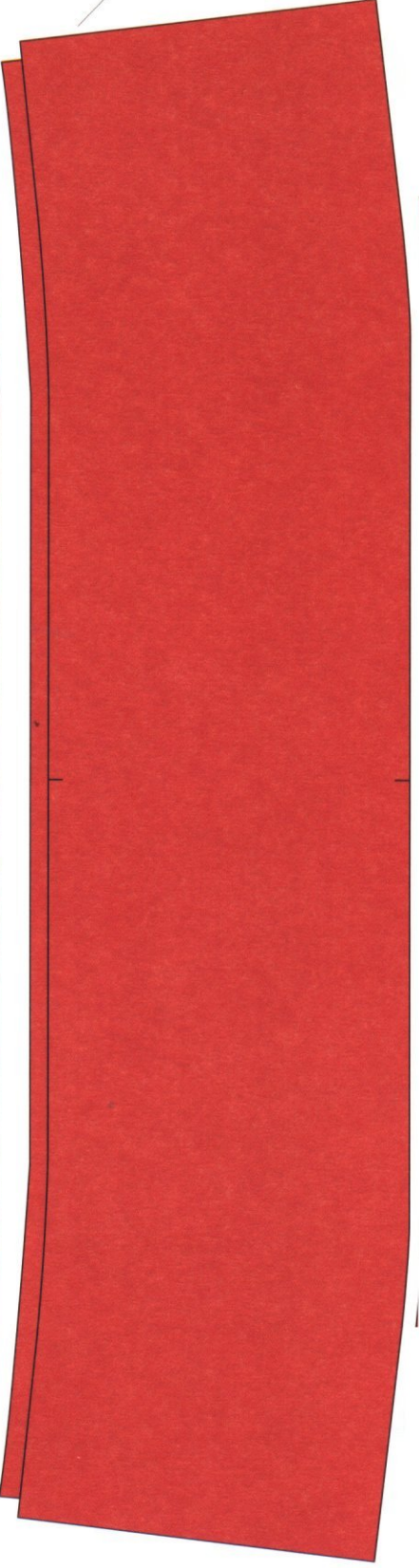
D15



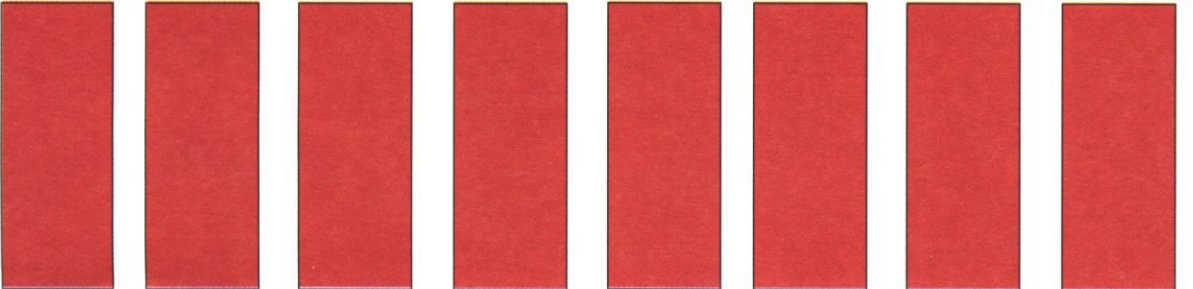
D16



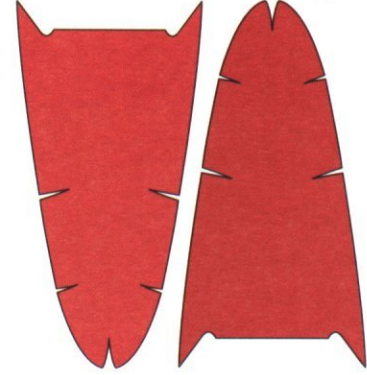
D17

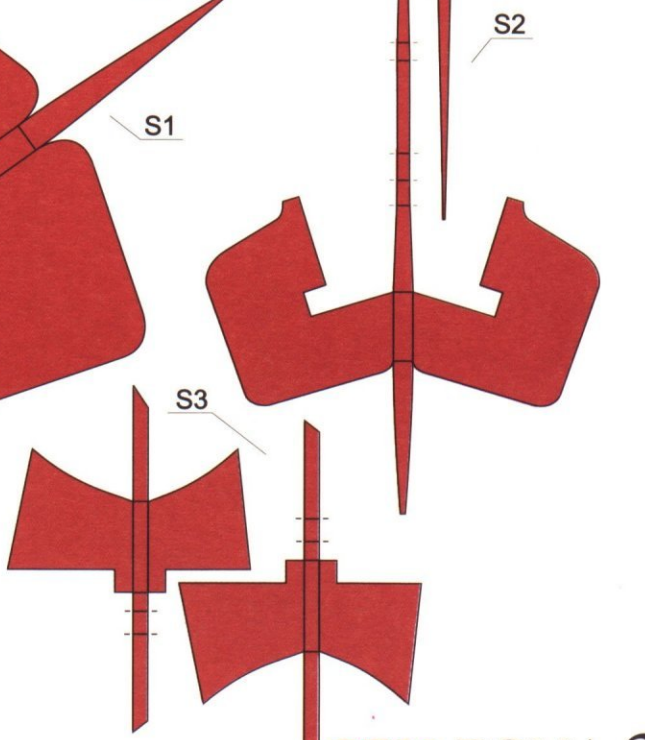
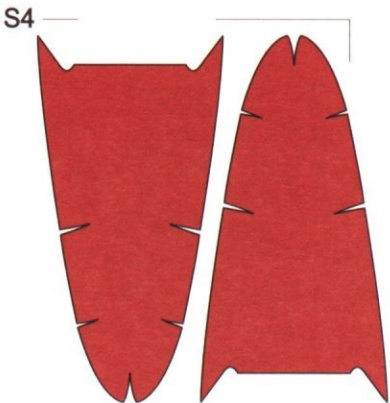
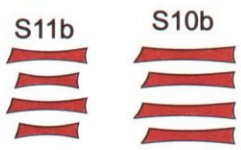
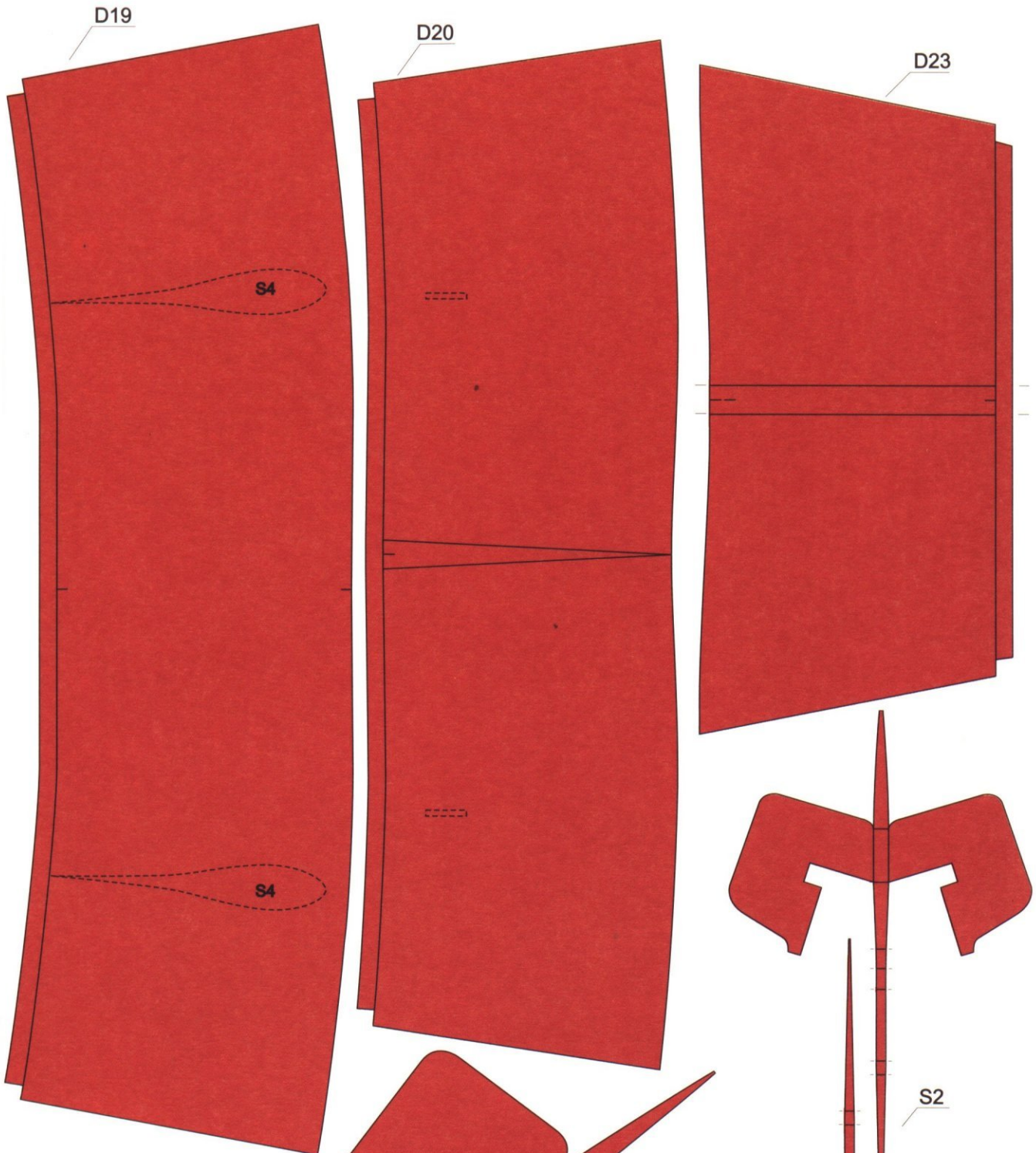


S6

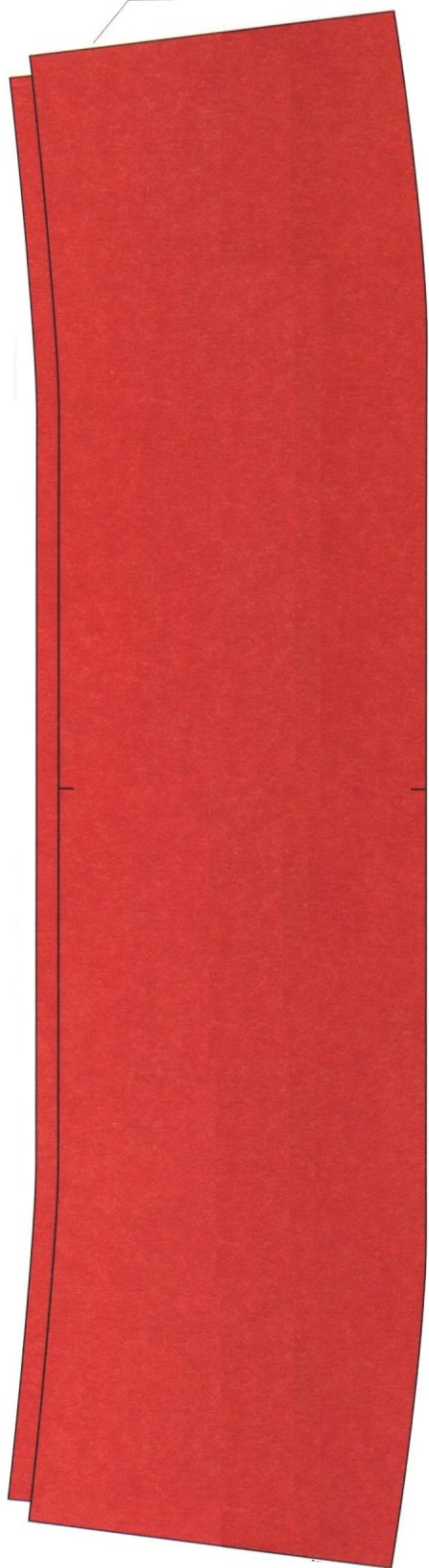


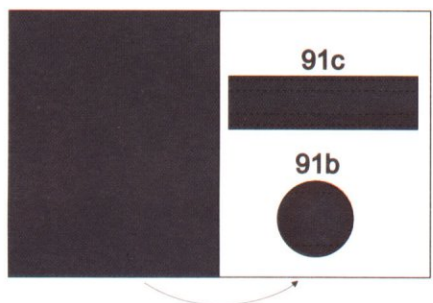
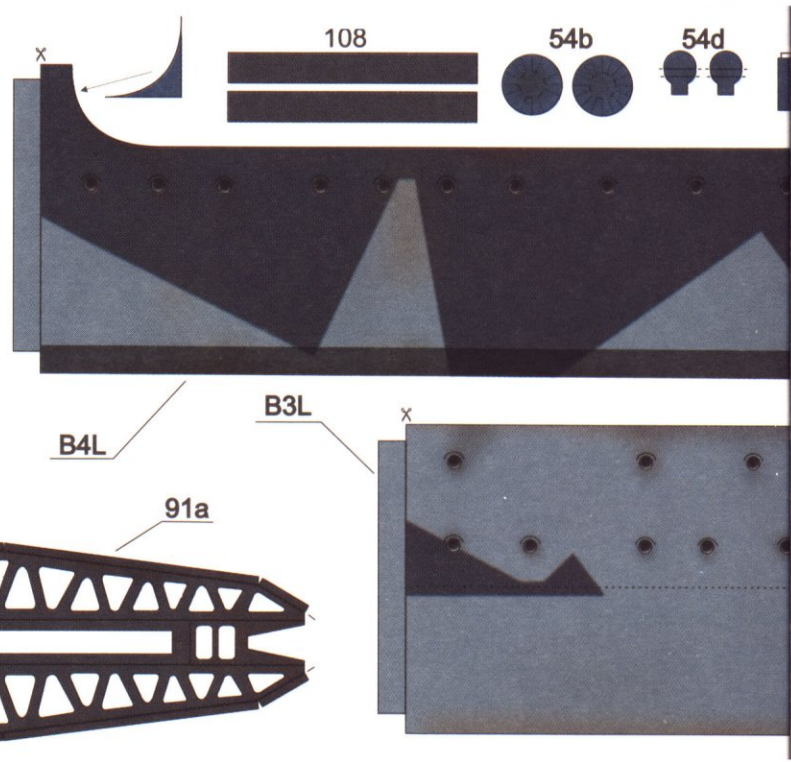
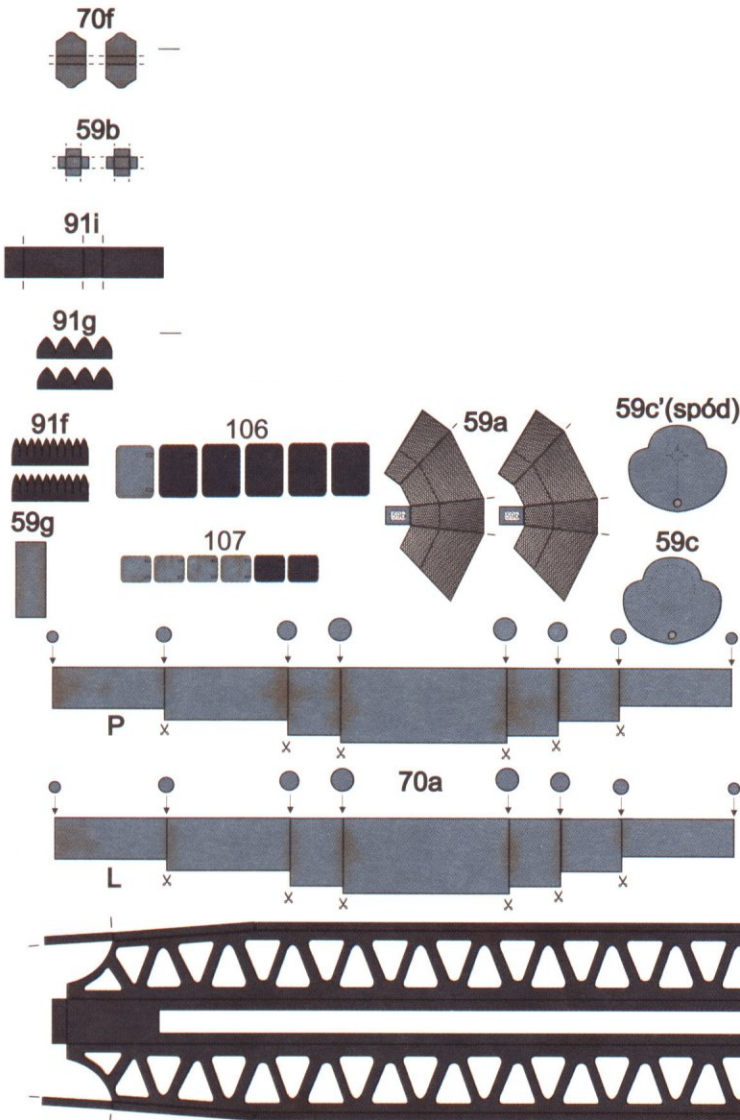
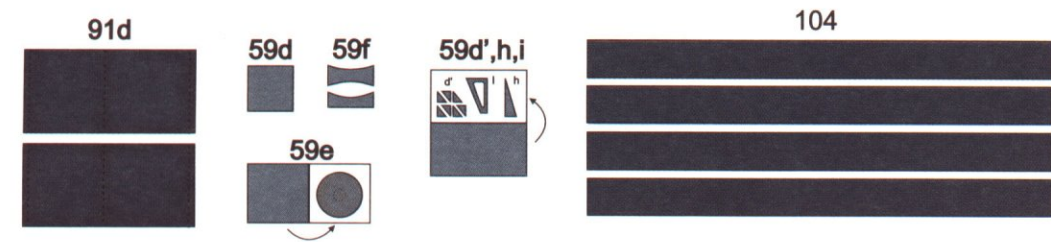
S4





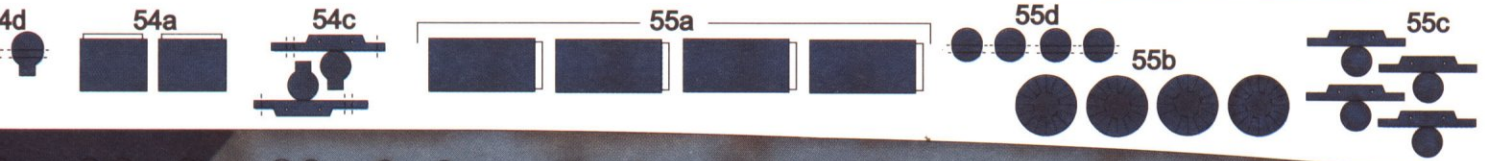
D18





B5P

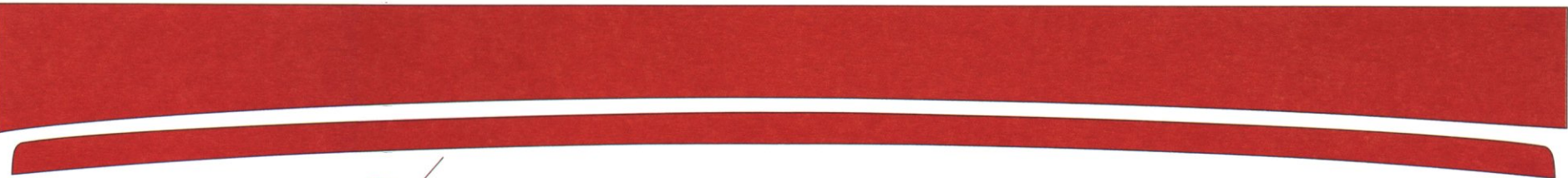
B5L



ROMA

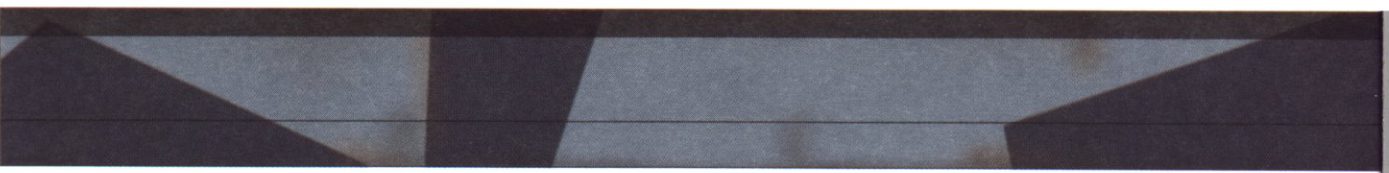
B6L

B5L

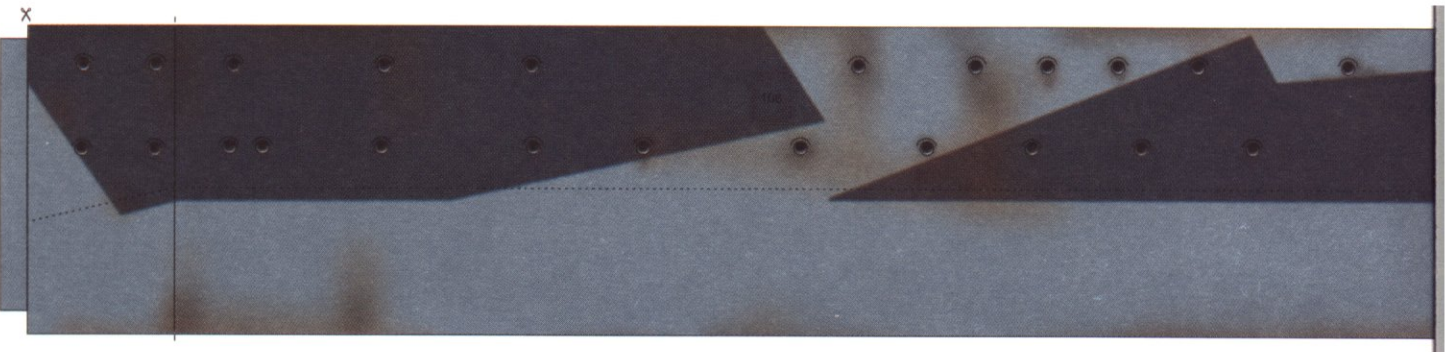


B7L

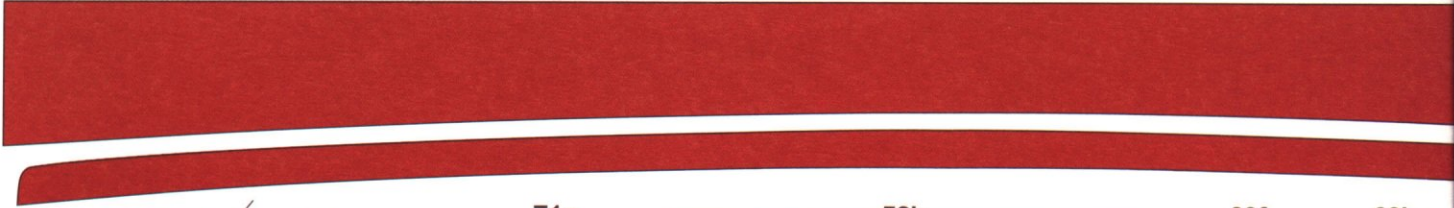
B5P



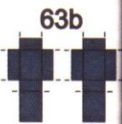
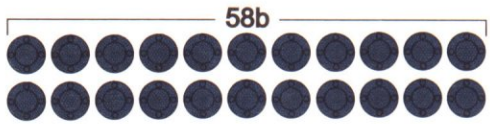
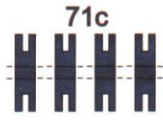
B1L



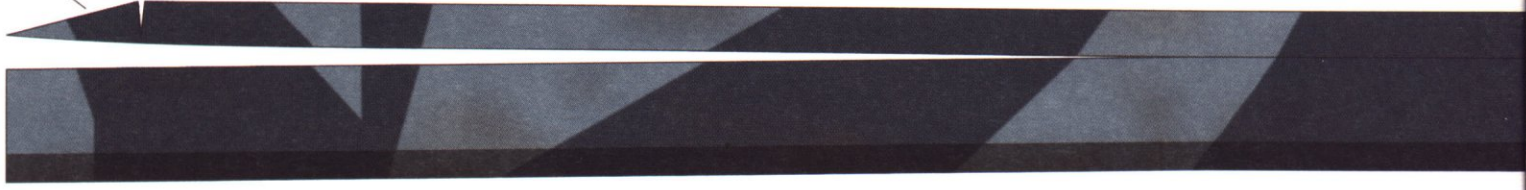
B2L



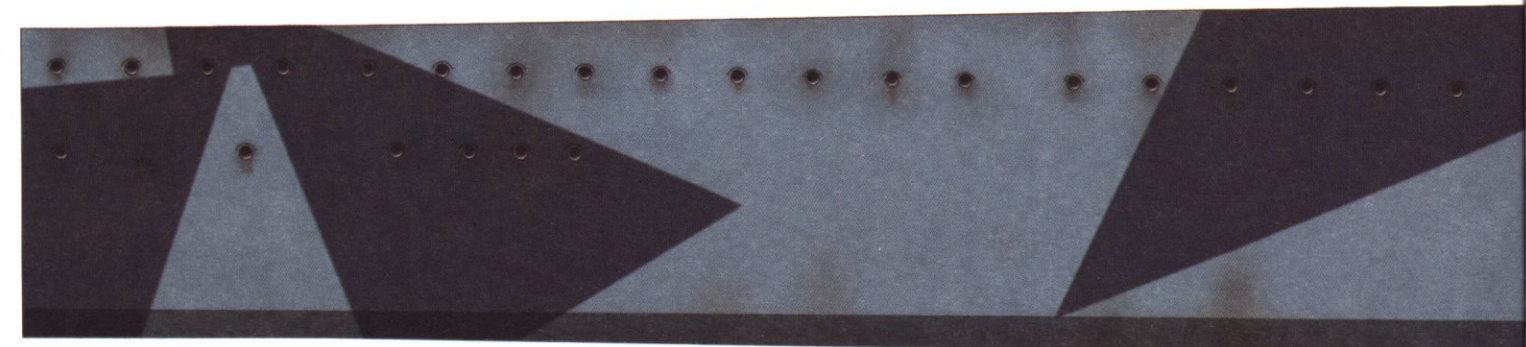
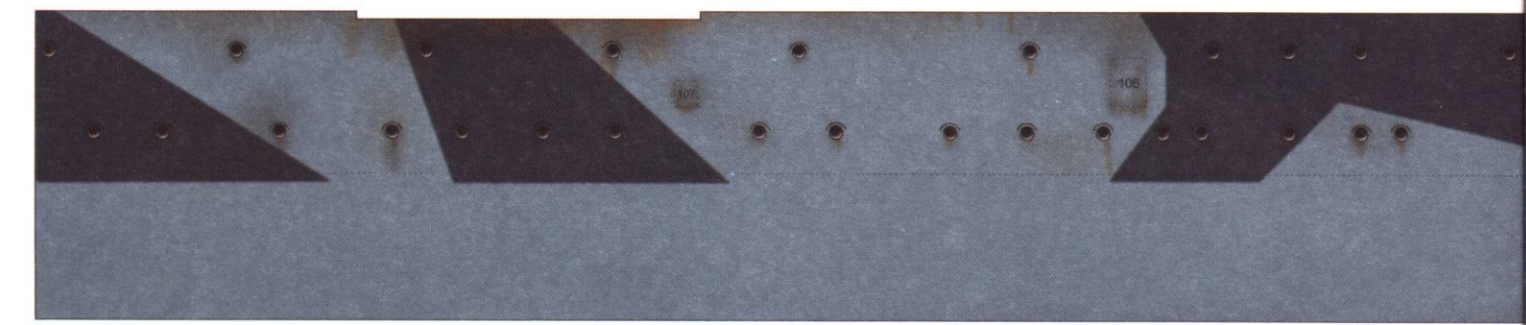
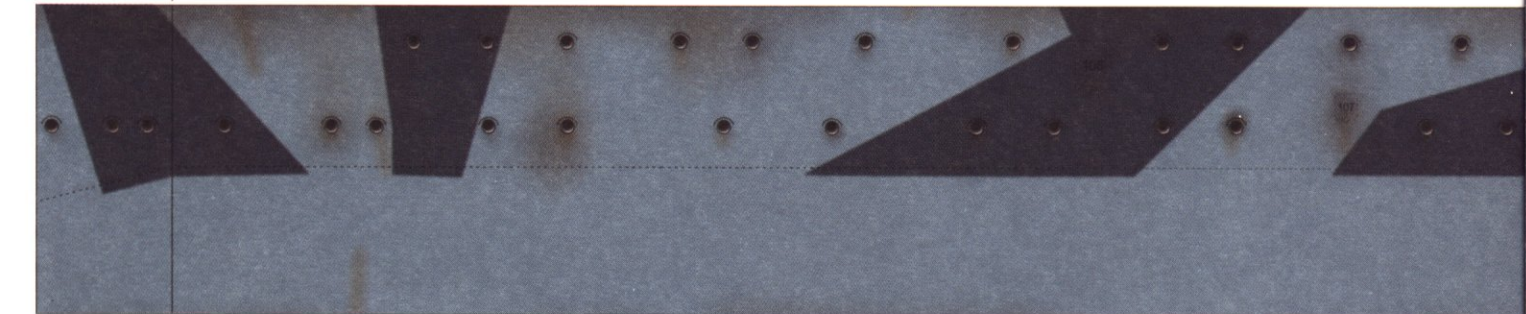
B7P



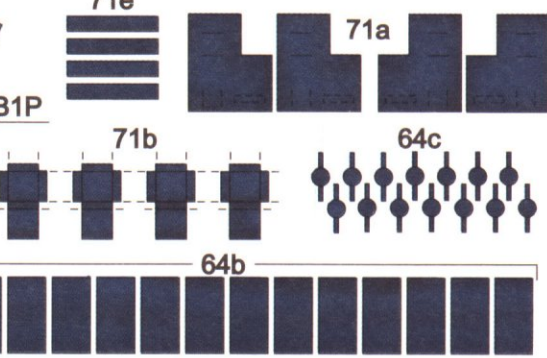
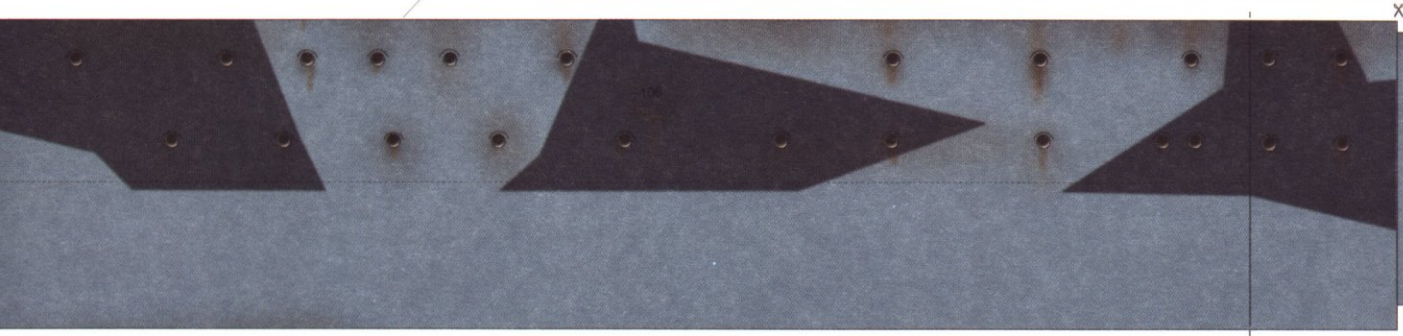
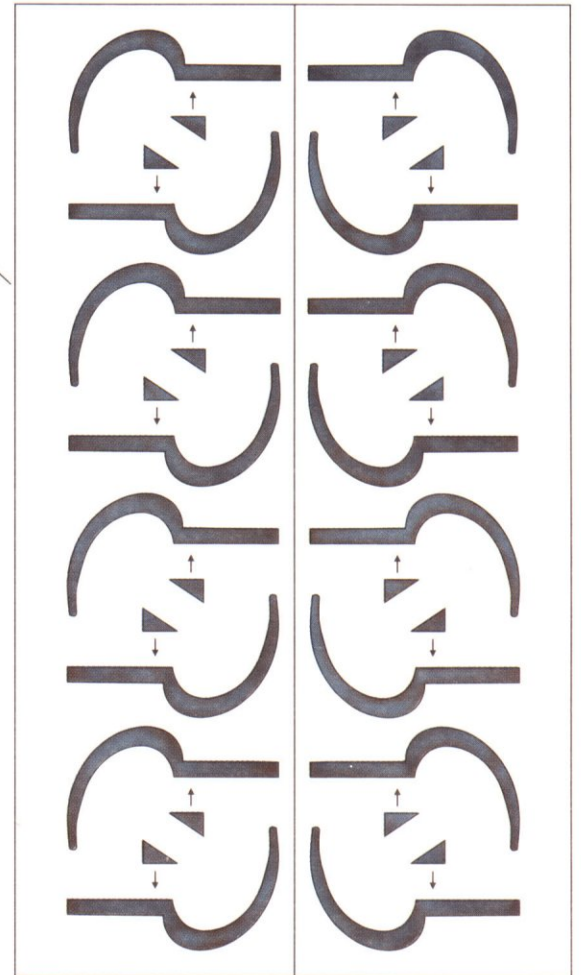
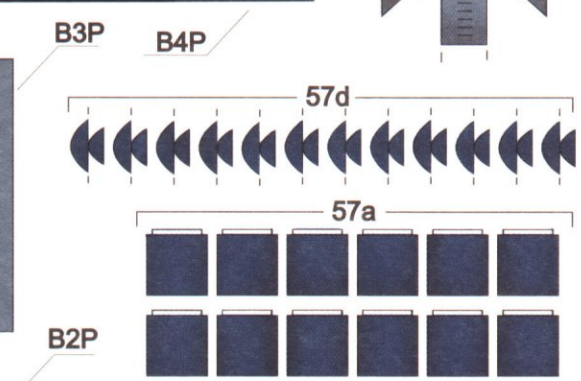
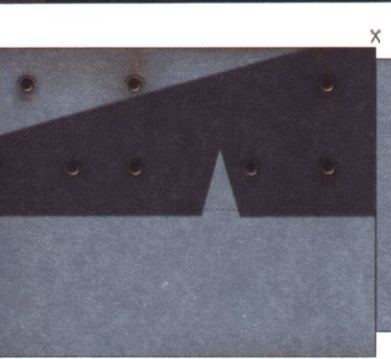
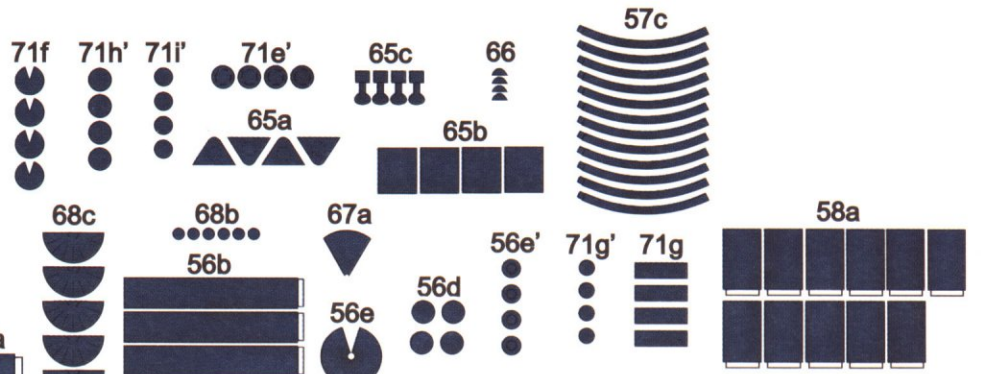
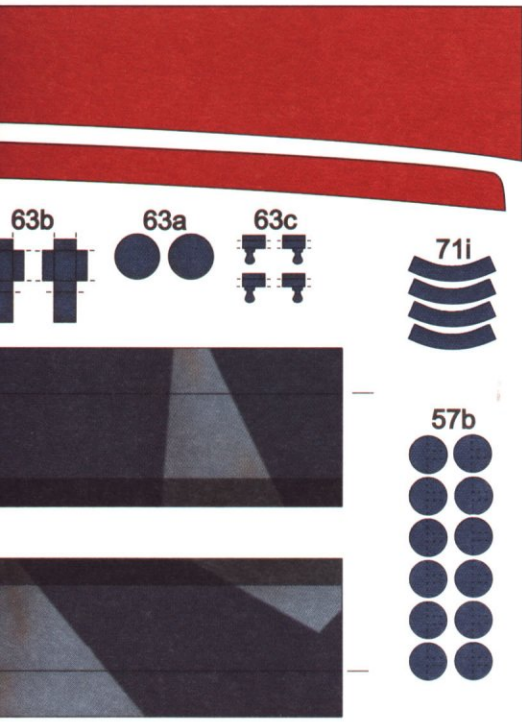
B6P



B6L

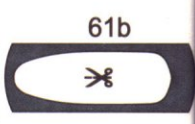
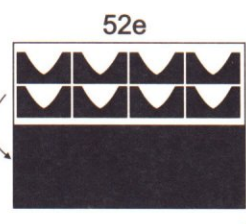
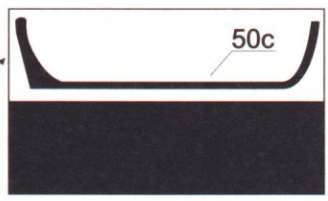






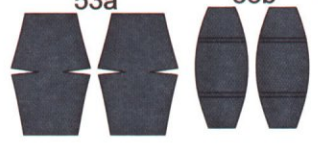


53d



53a

53b



53c



P7



Pośrodku rufy - szyny 116a dla samolotu IMAM

103

93

75

81

78

80

91

80

81

81

81

78

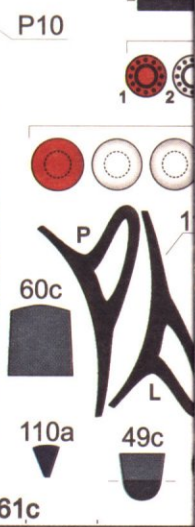
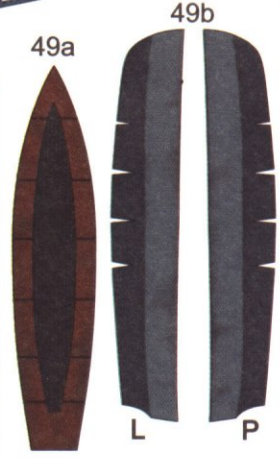
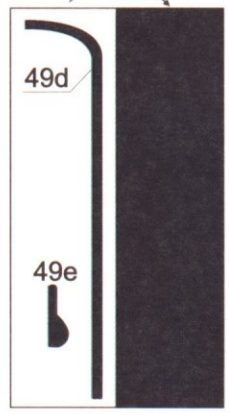
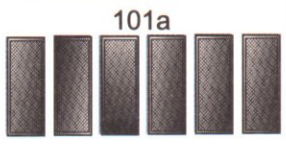
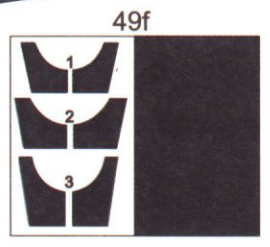
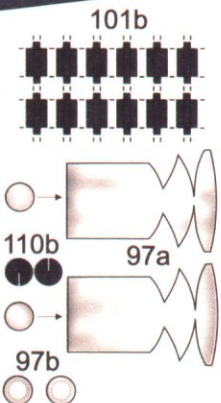
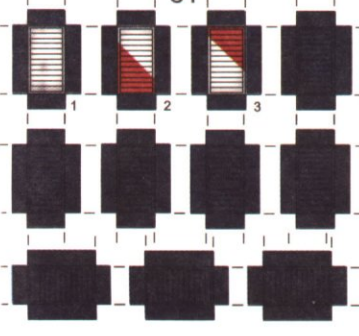
76

93

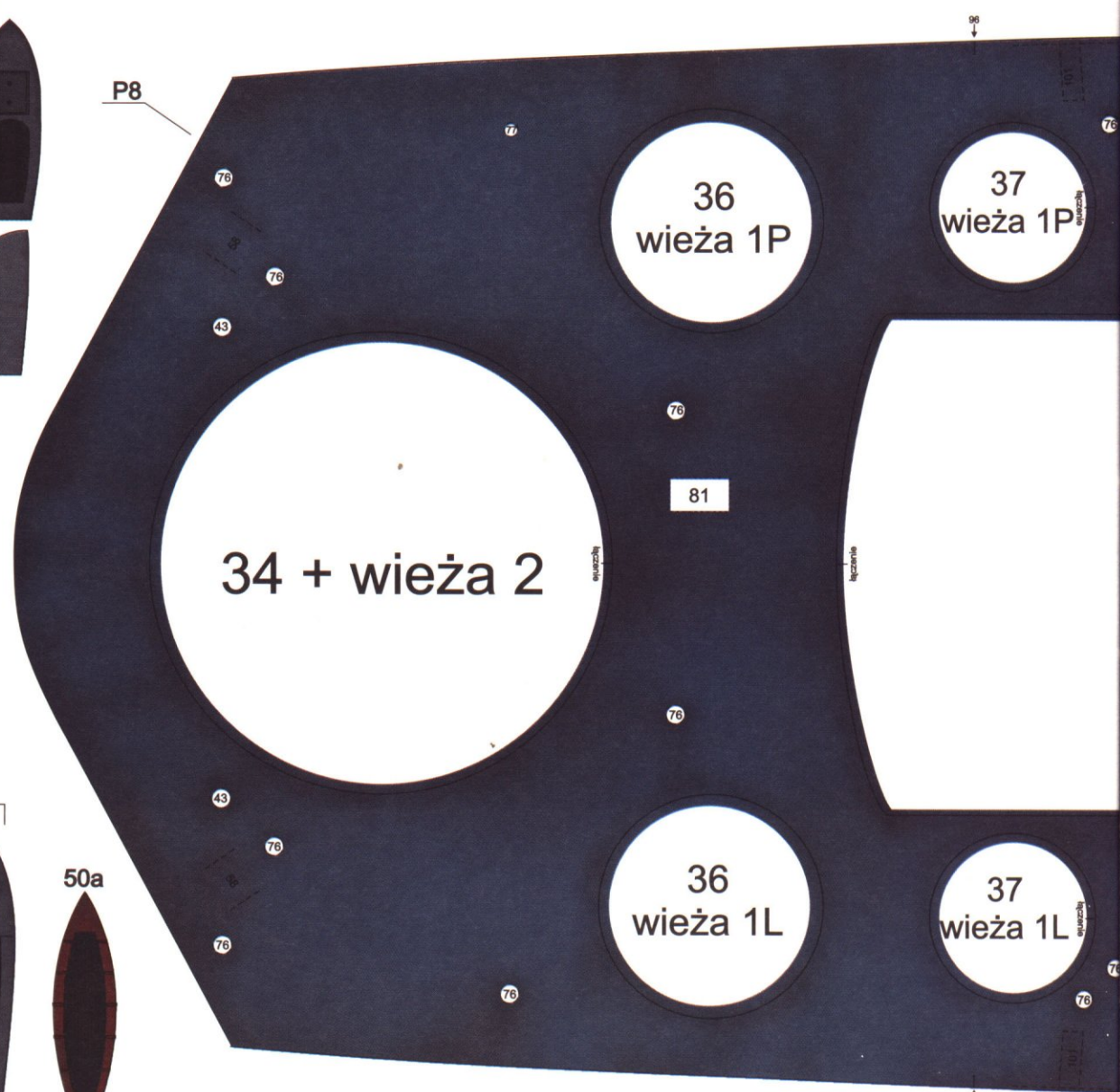
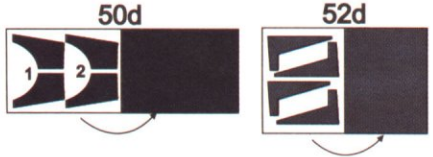
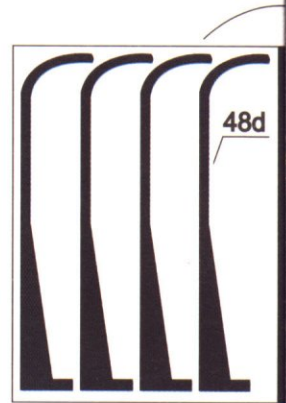
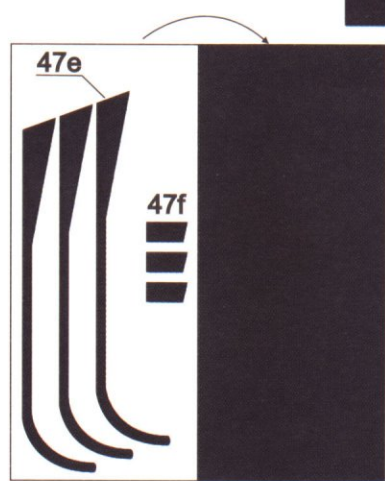
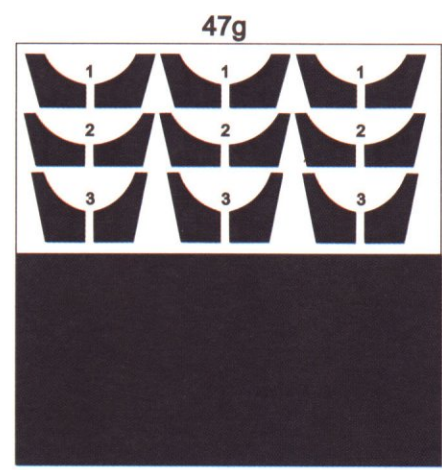
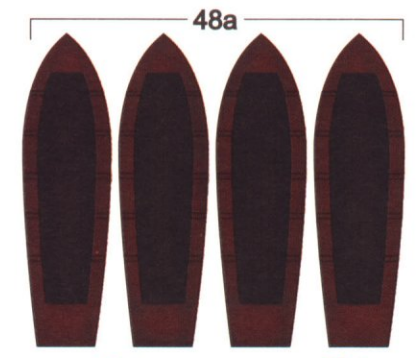
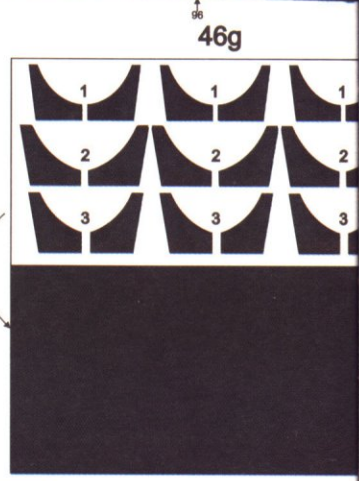
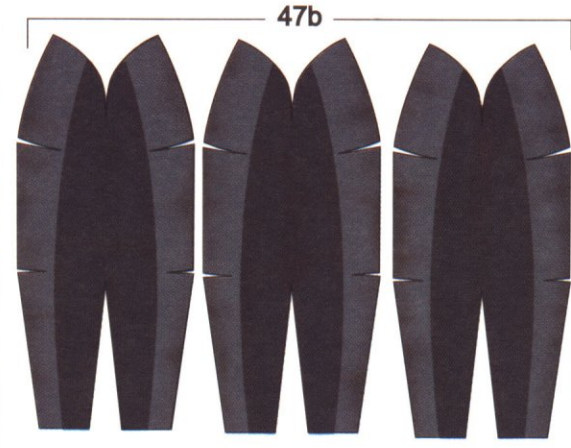
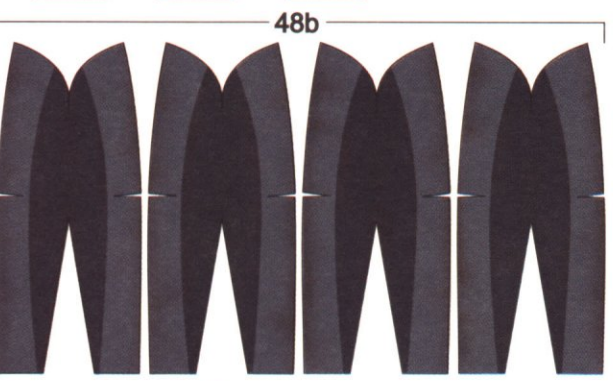
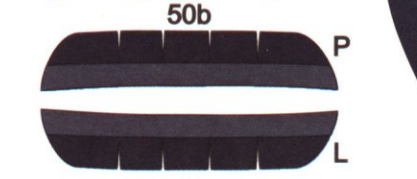
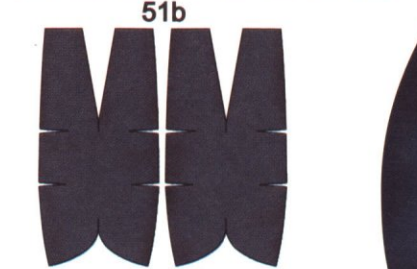
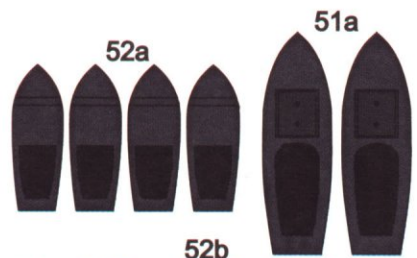
75

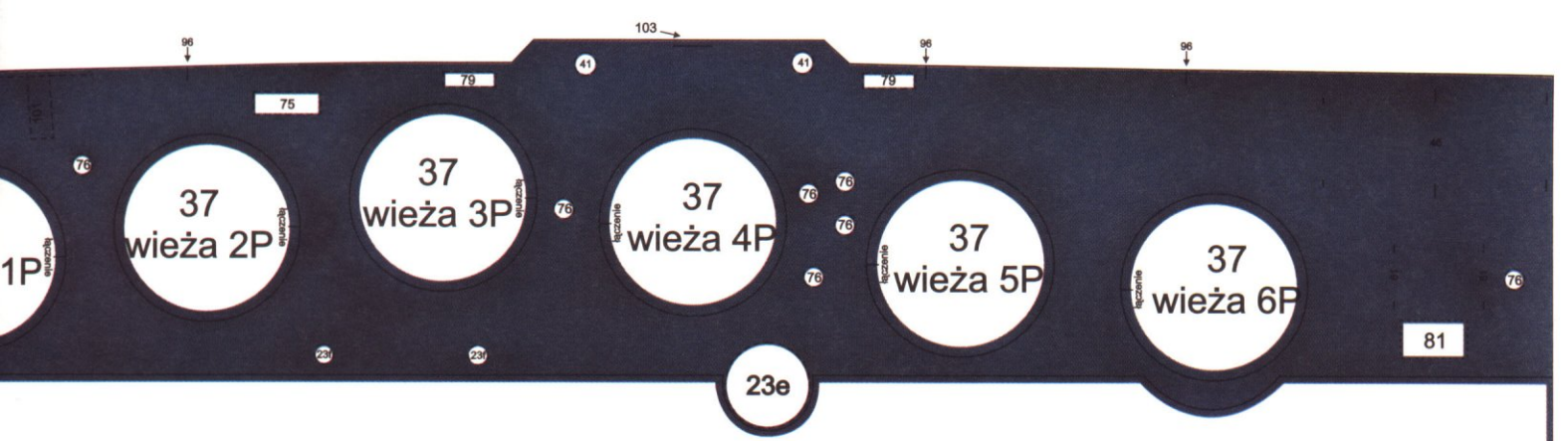
81

103

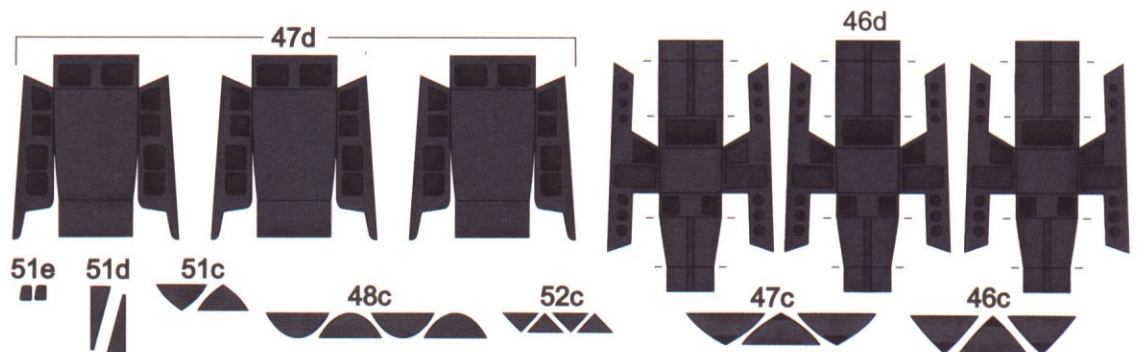
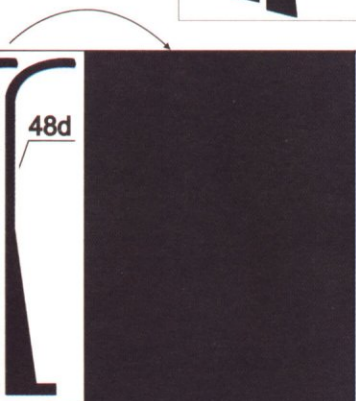
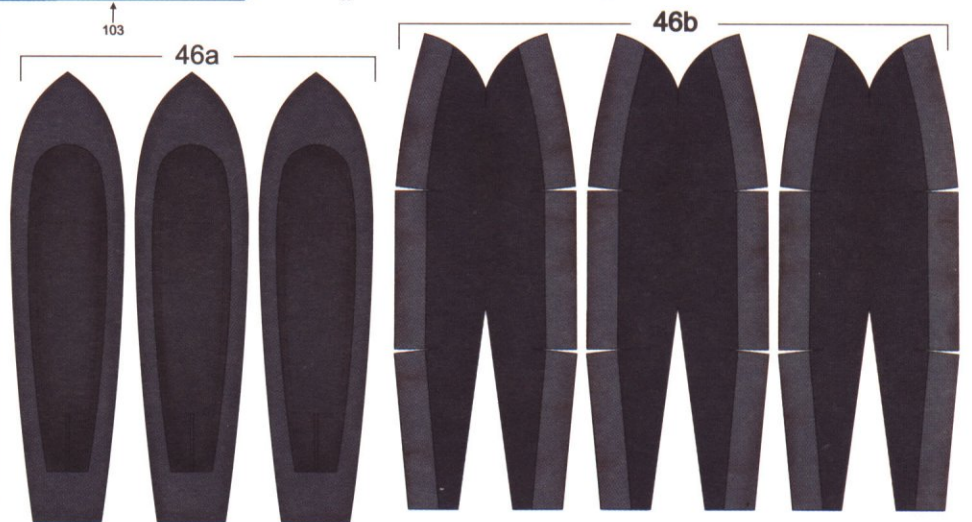
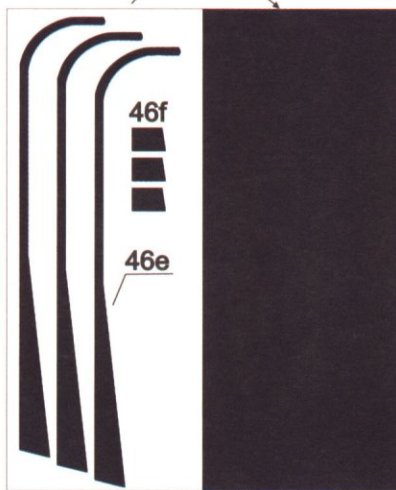
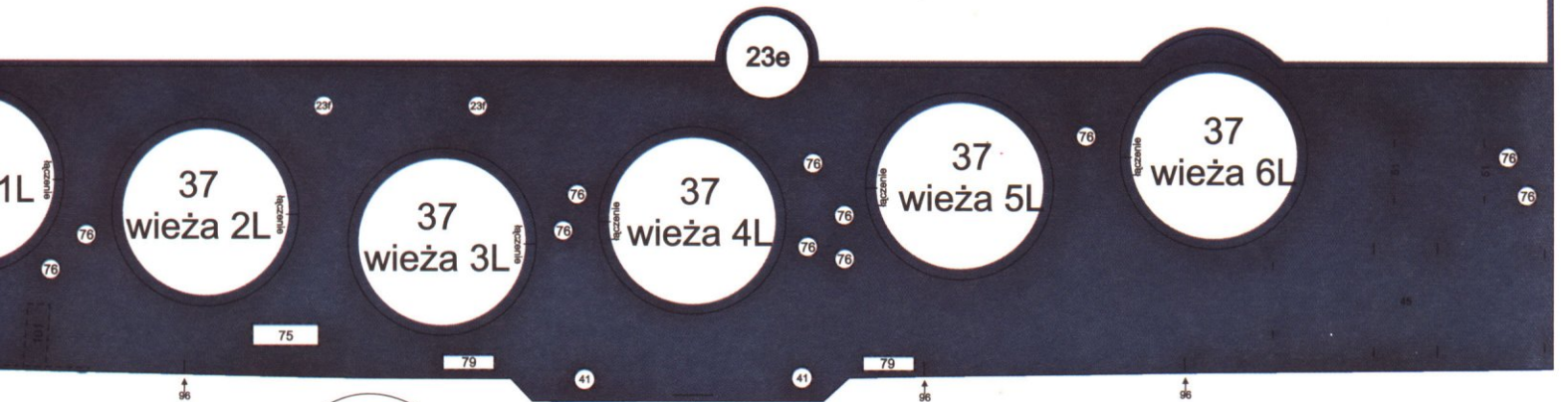




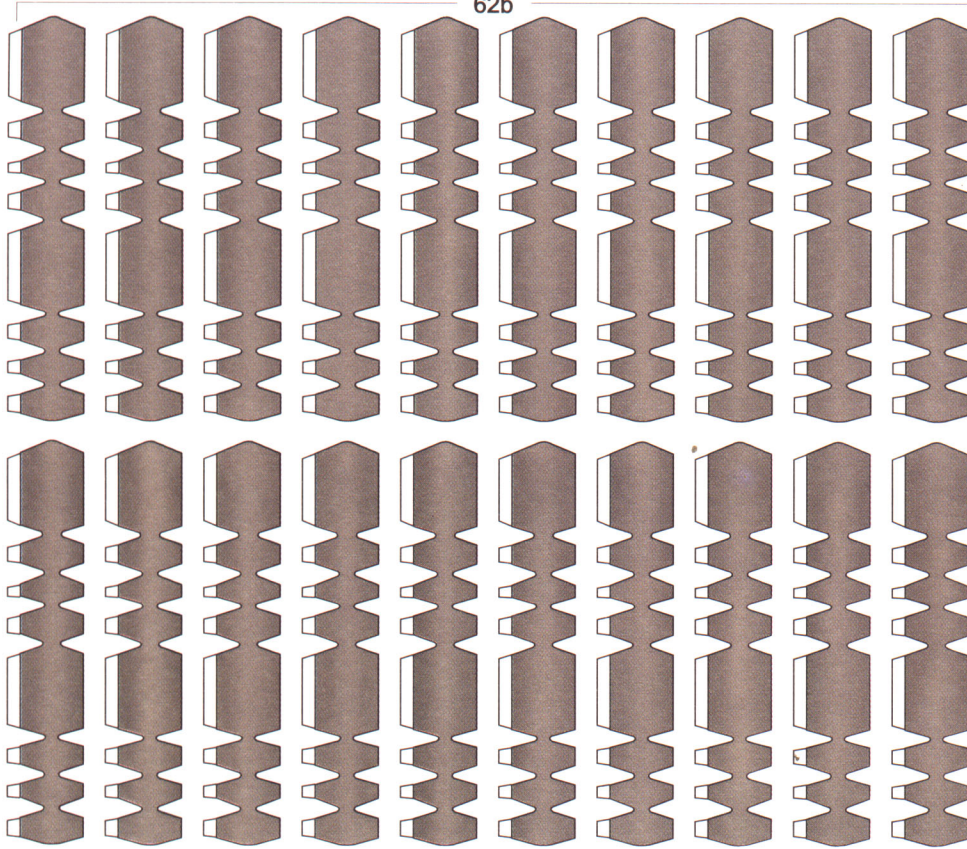




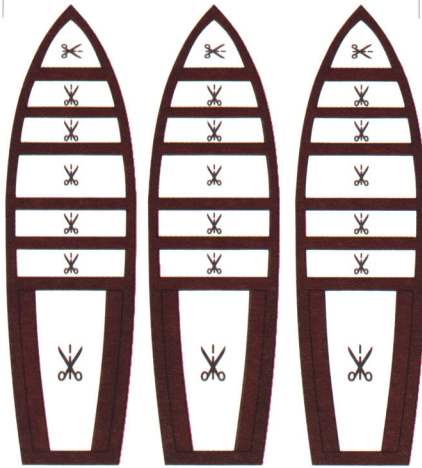
1



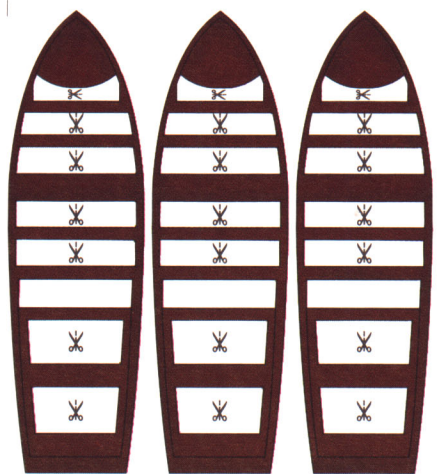
62b



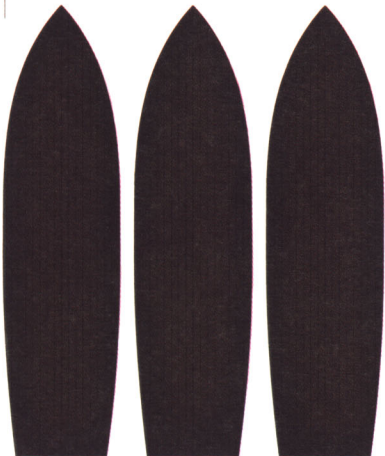
45b



45a



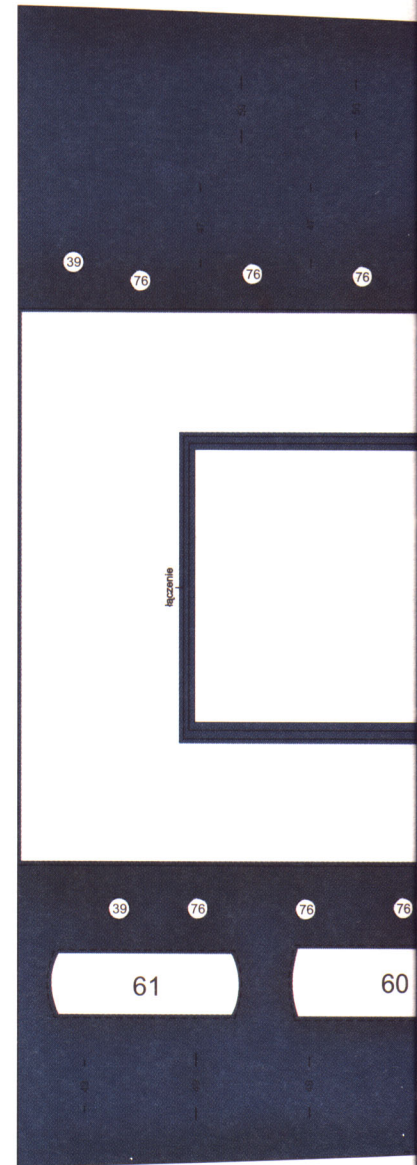
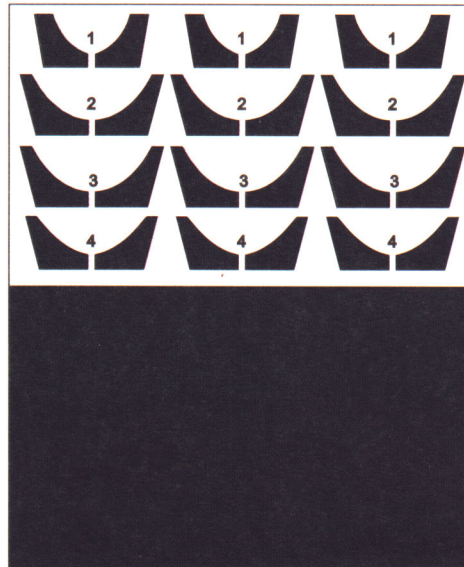
45c



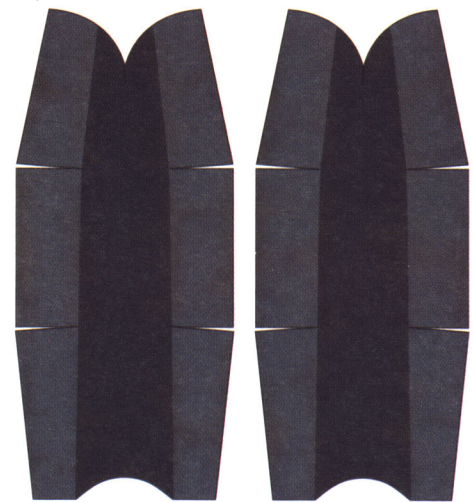
45e

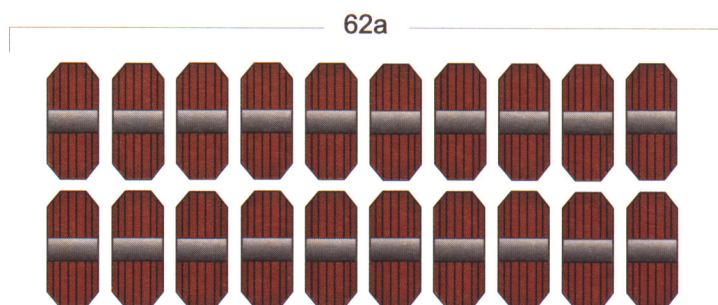
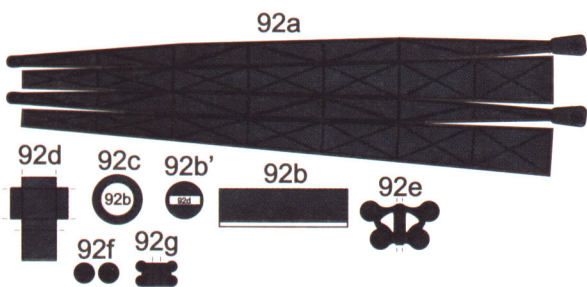
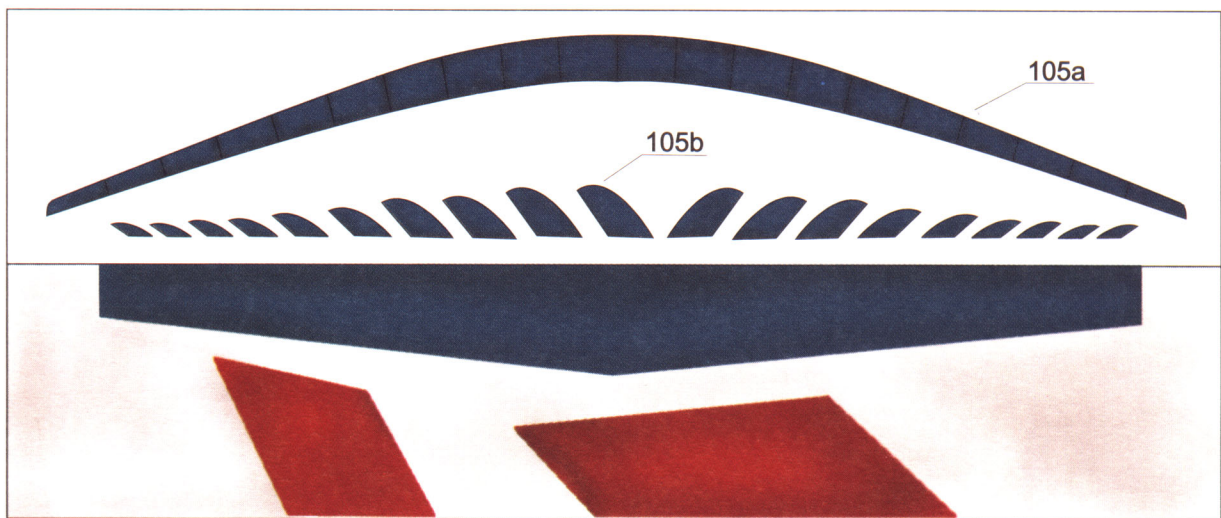
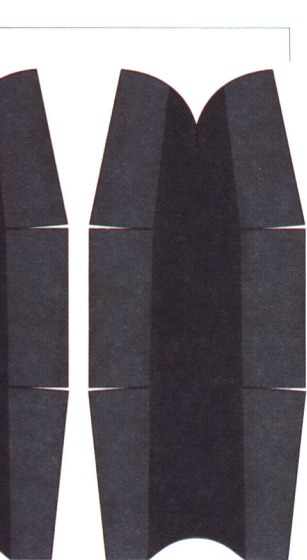
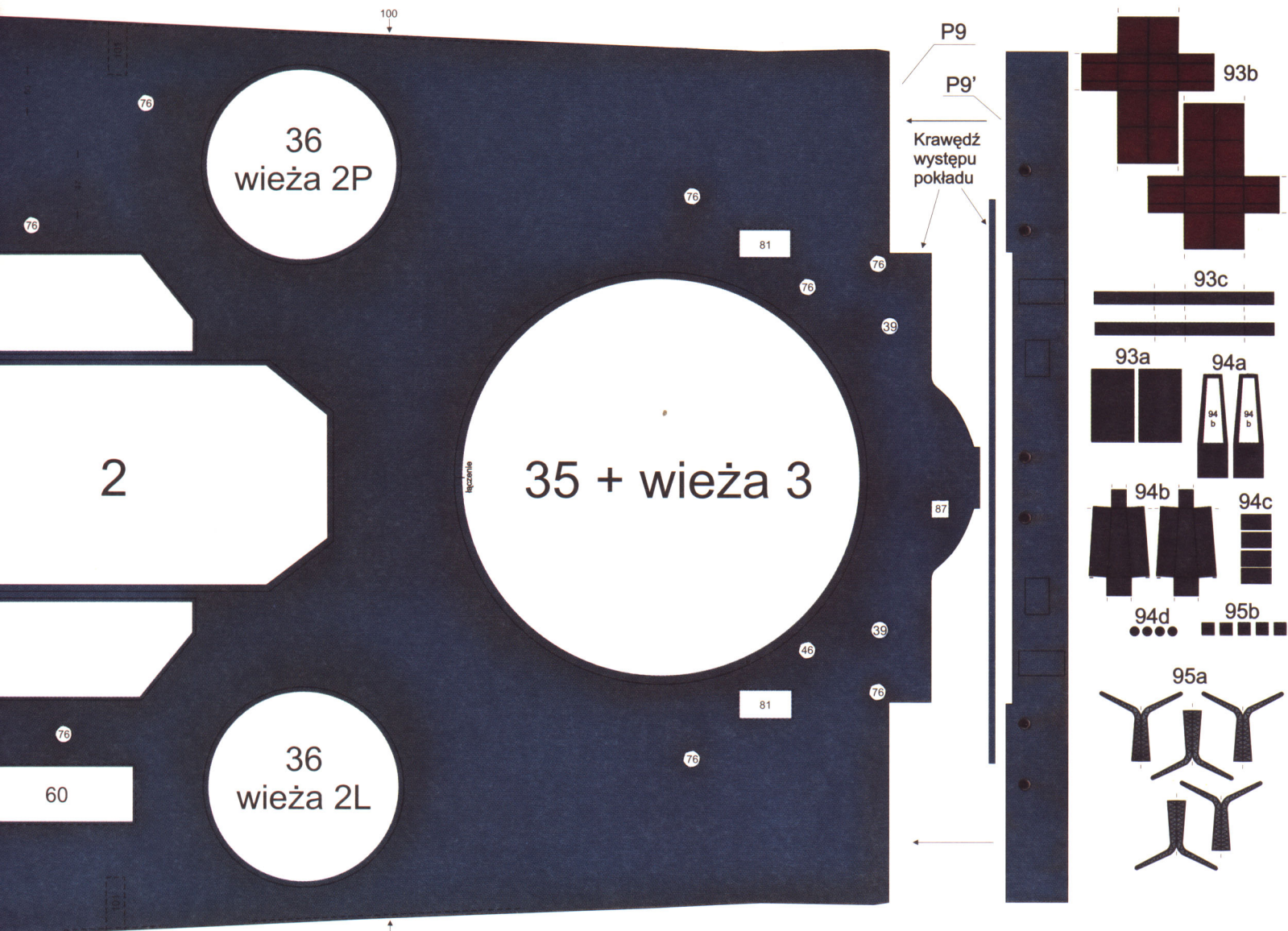


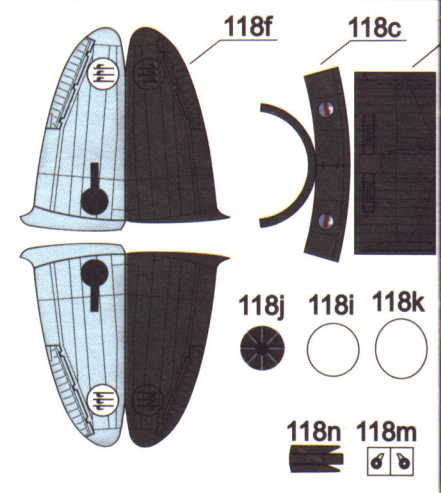
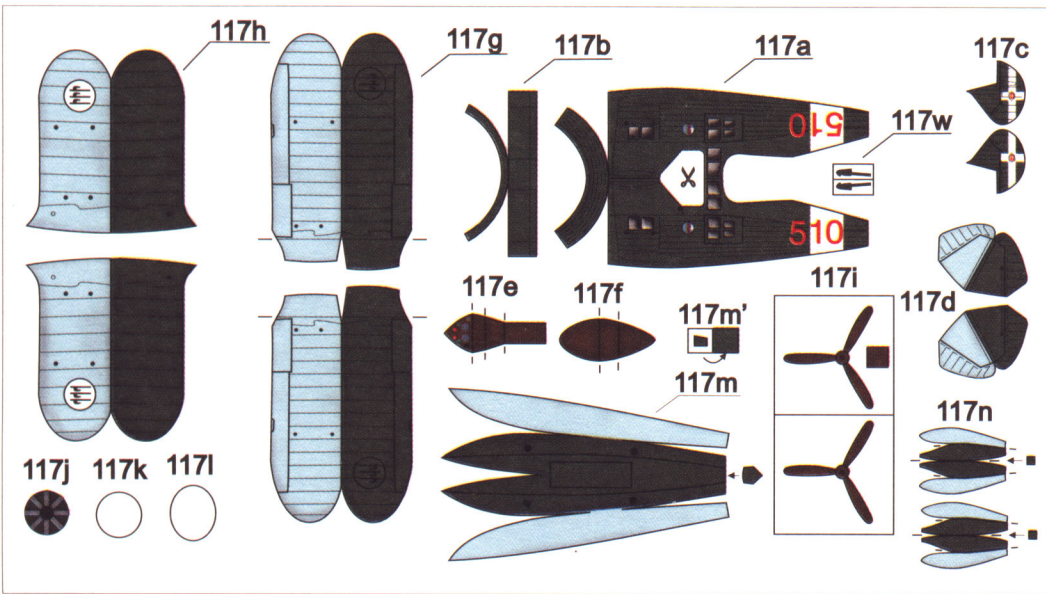
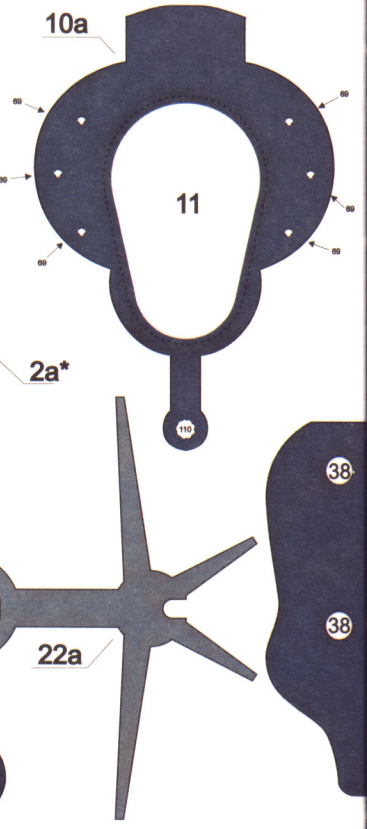
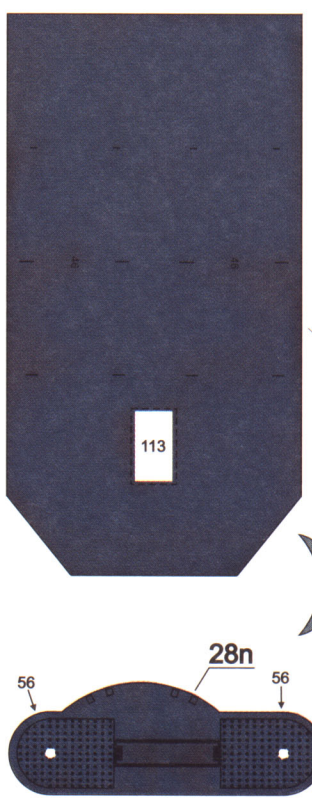
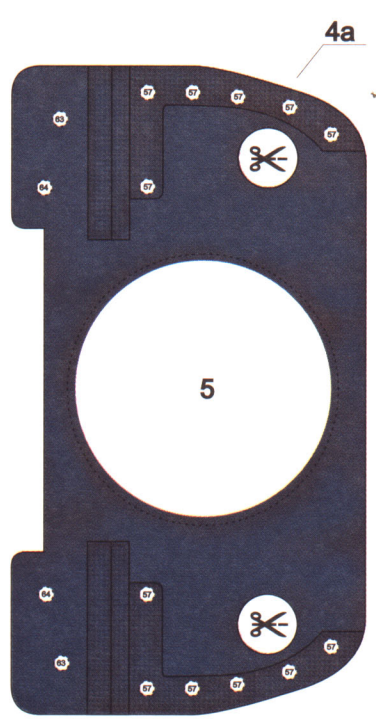
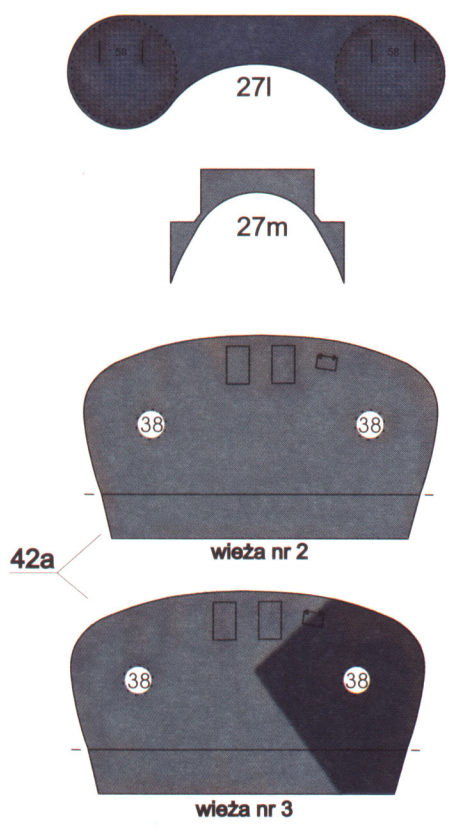
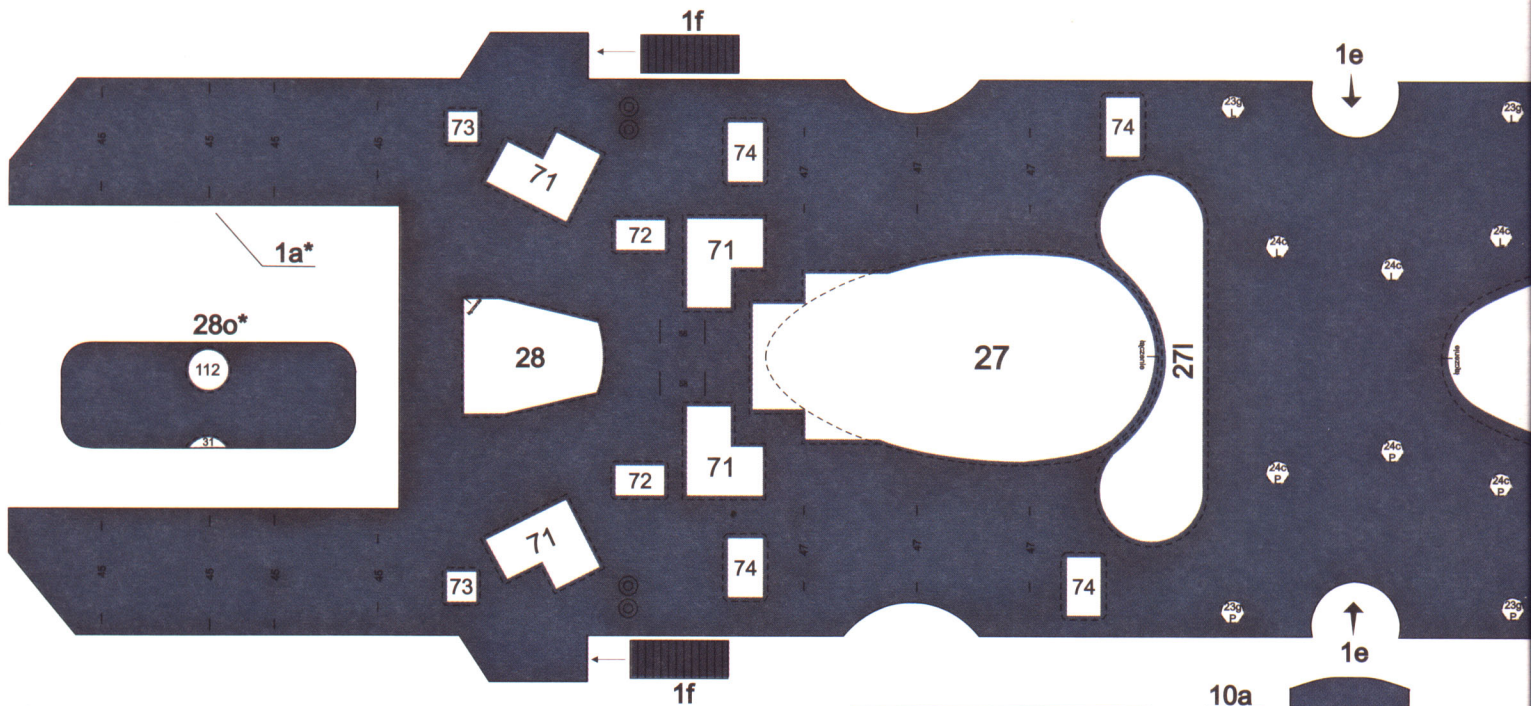
45h



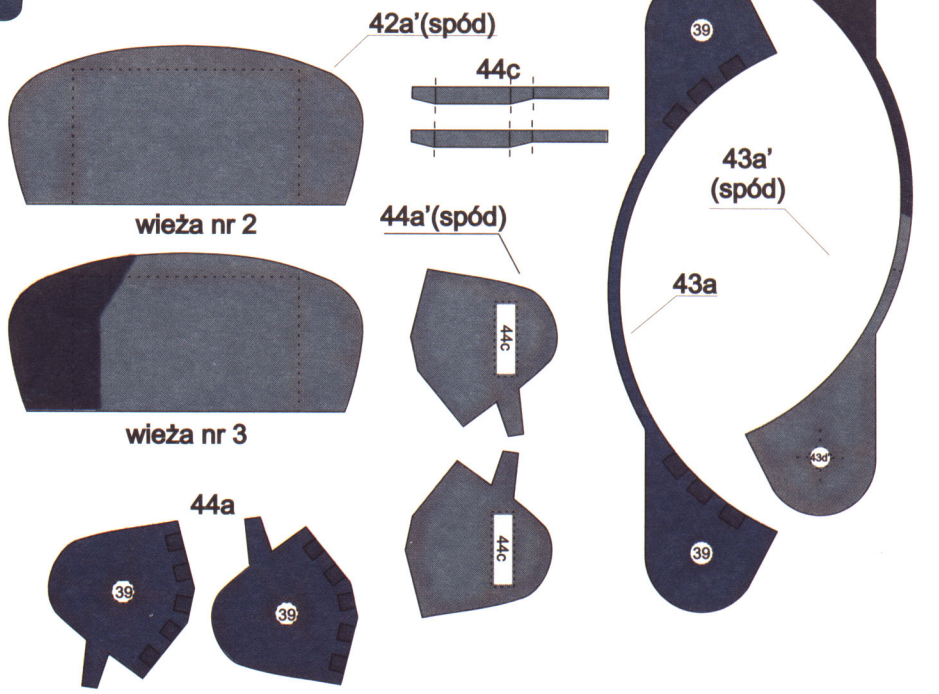
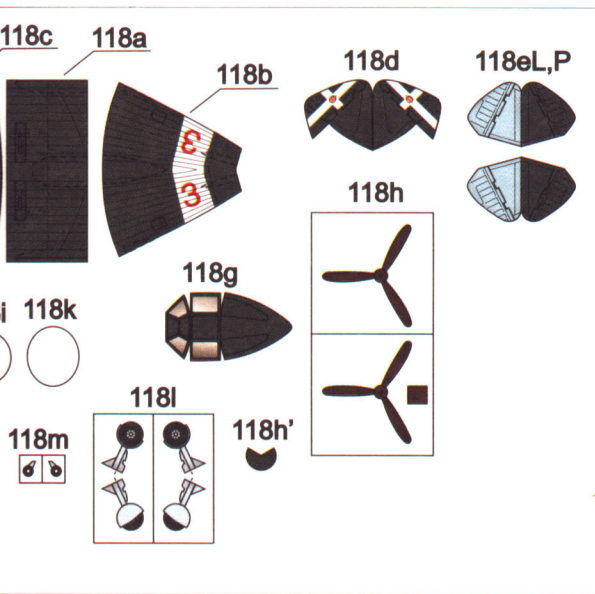
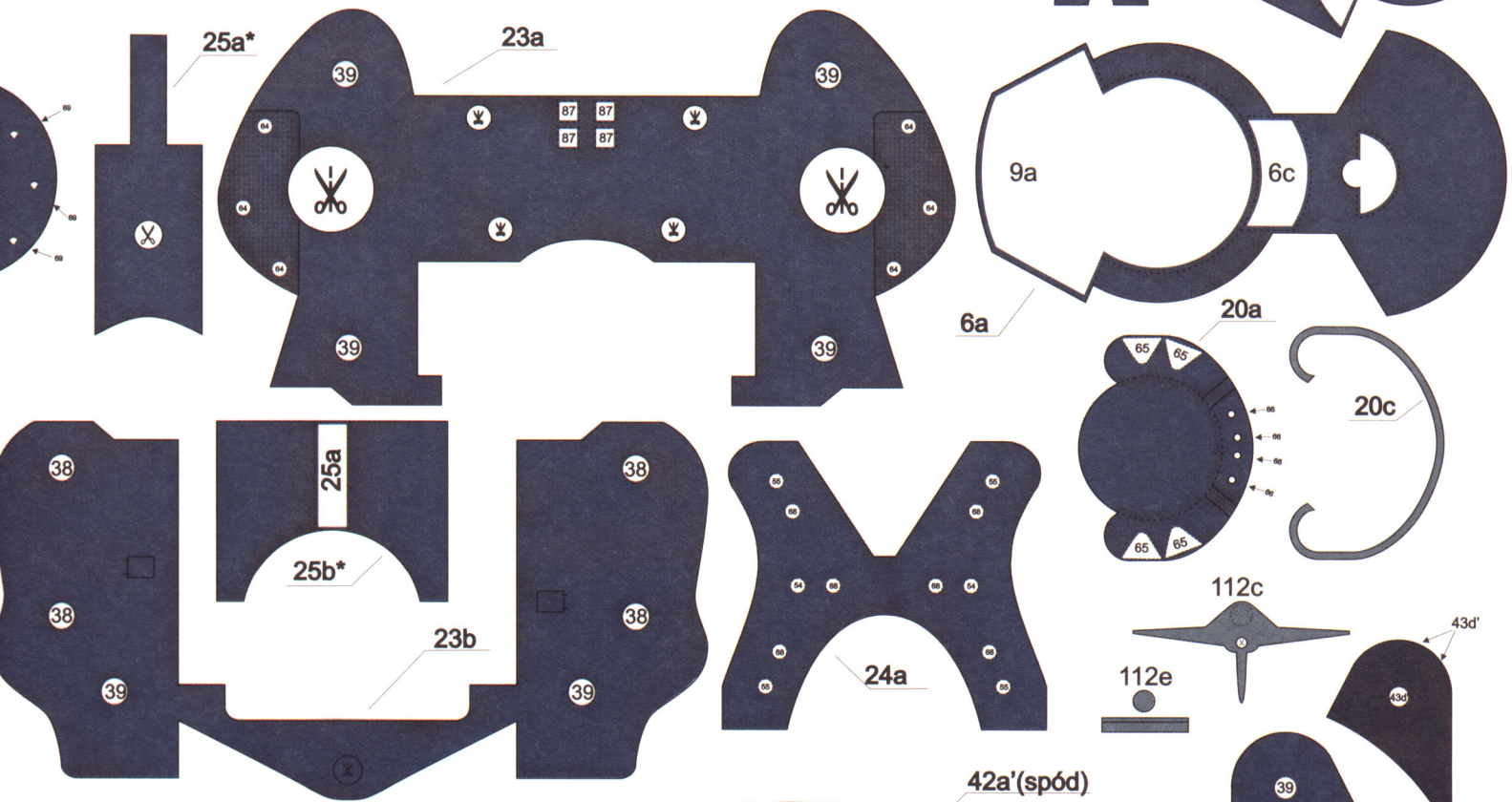
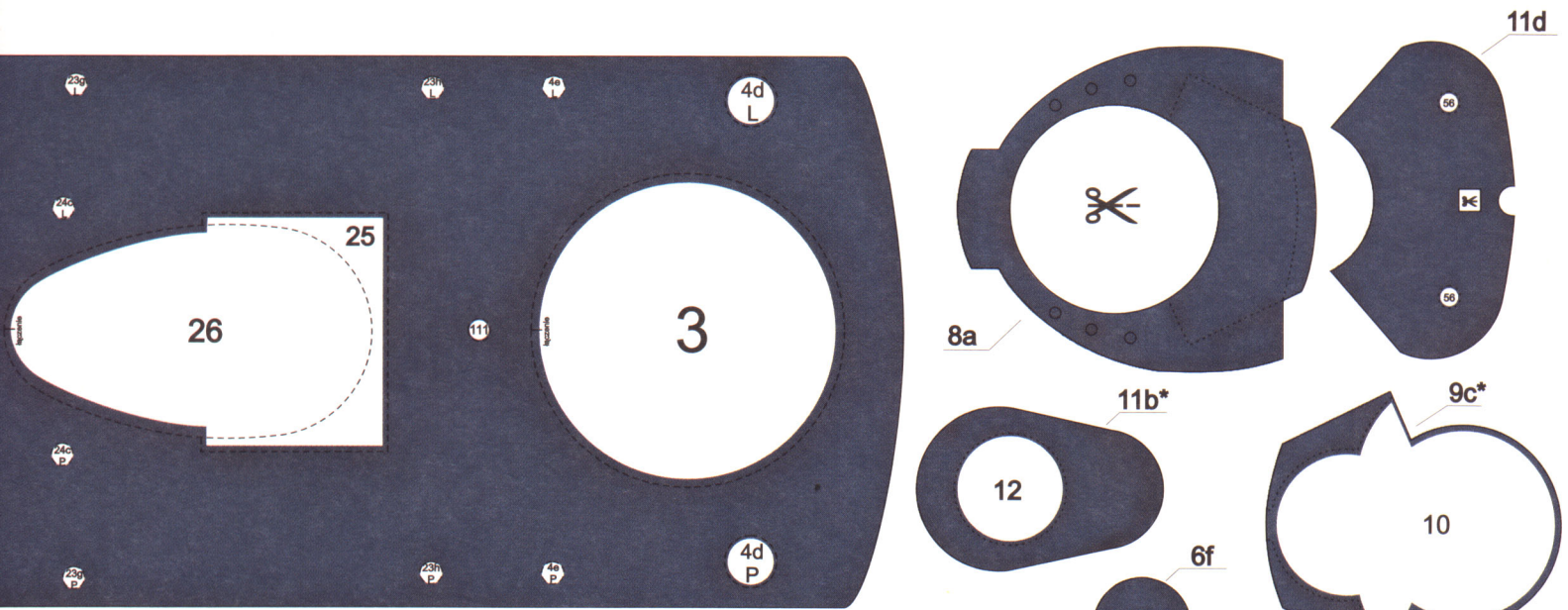
45d

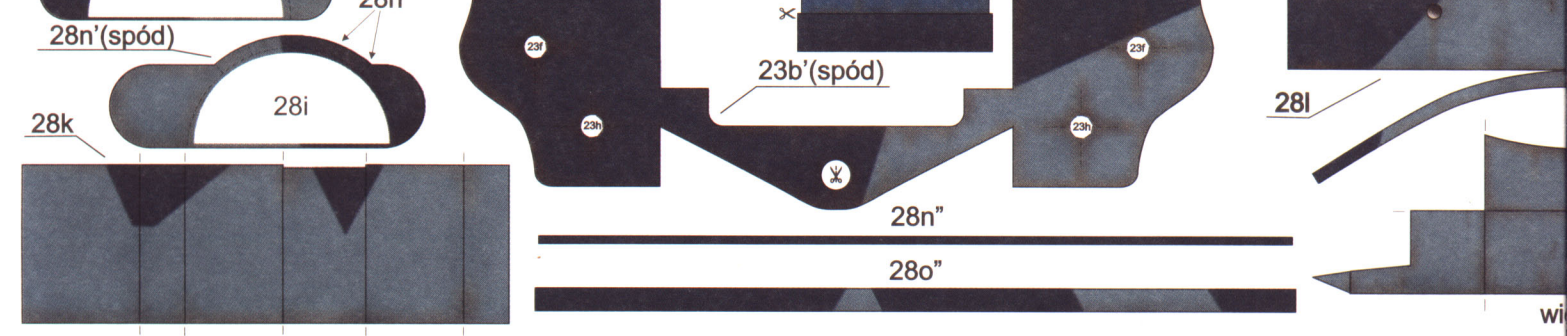
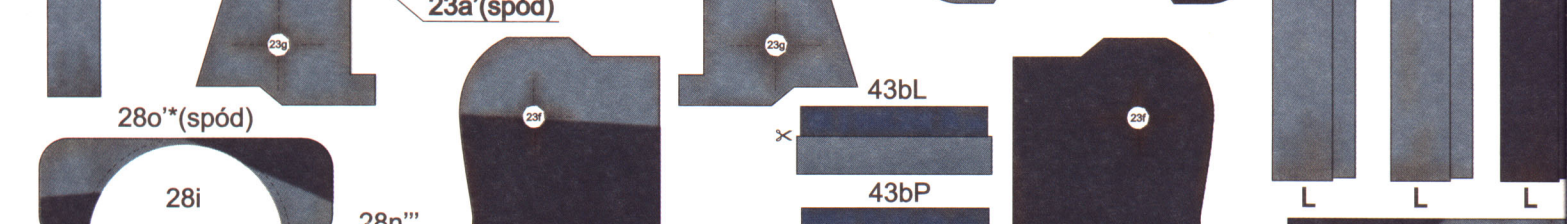
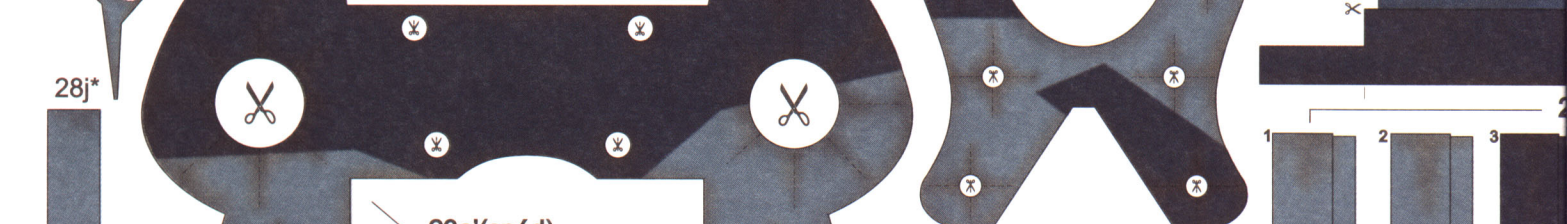
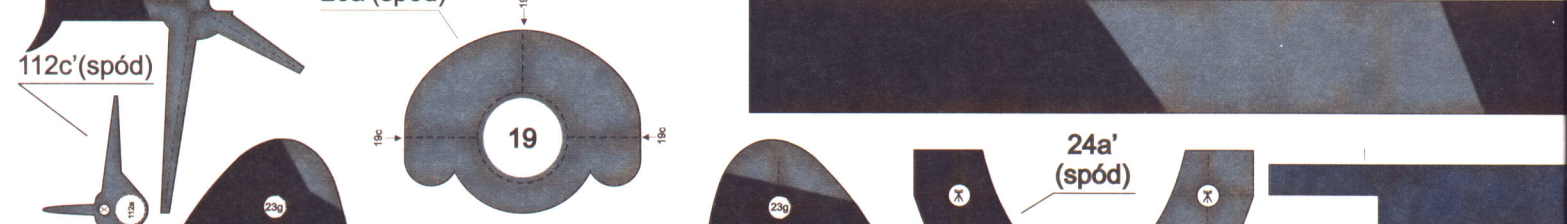
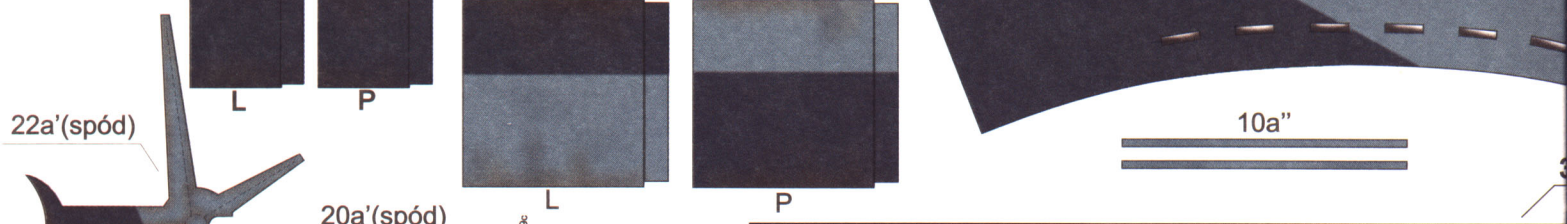
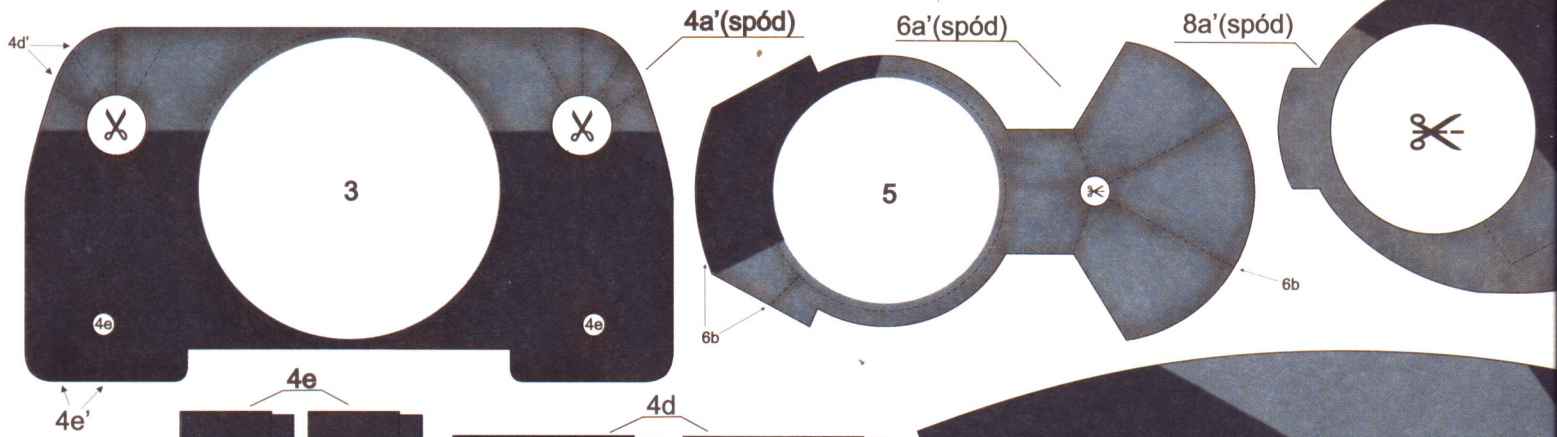
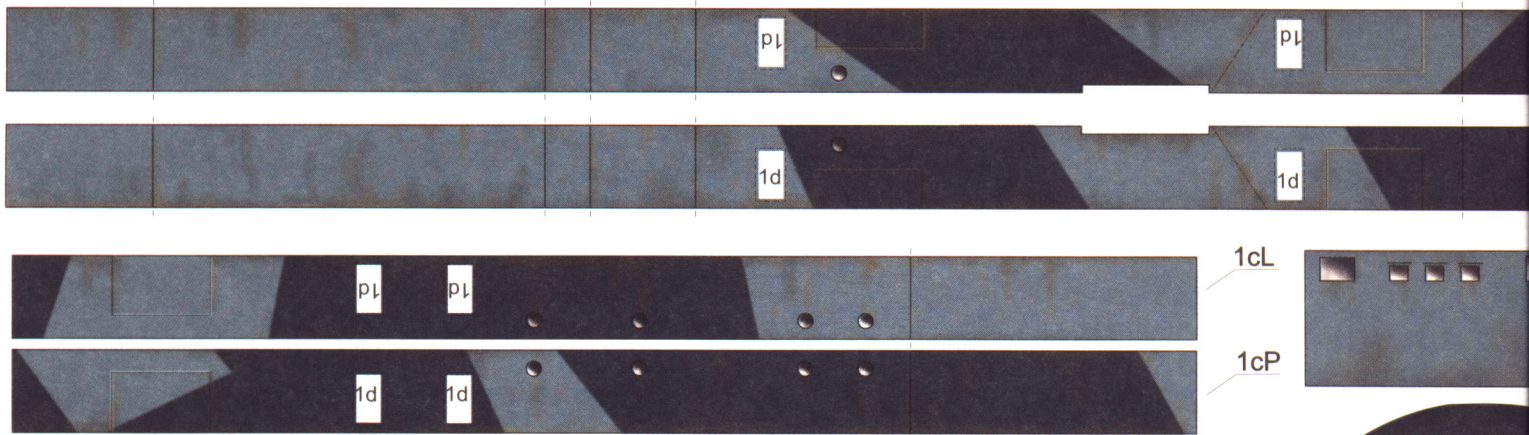


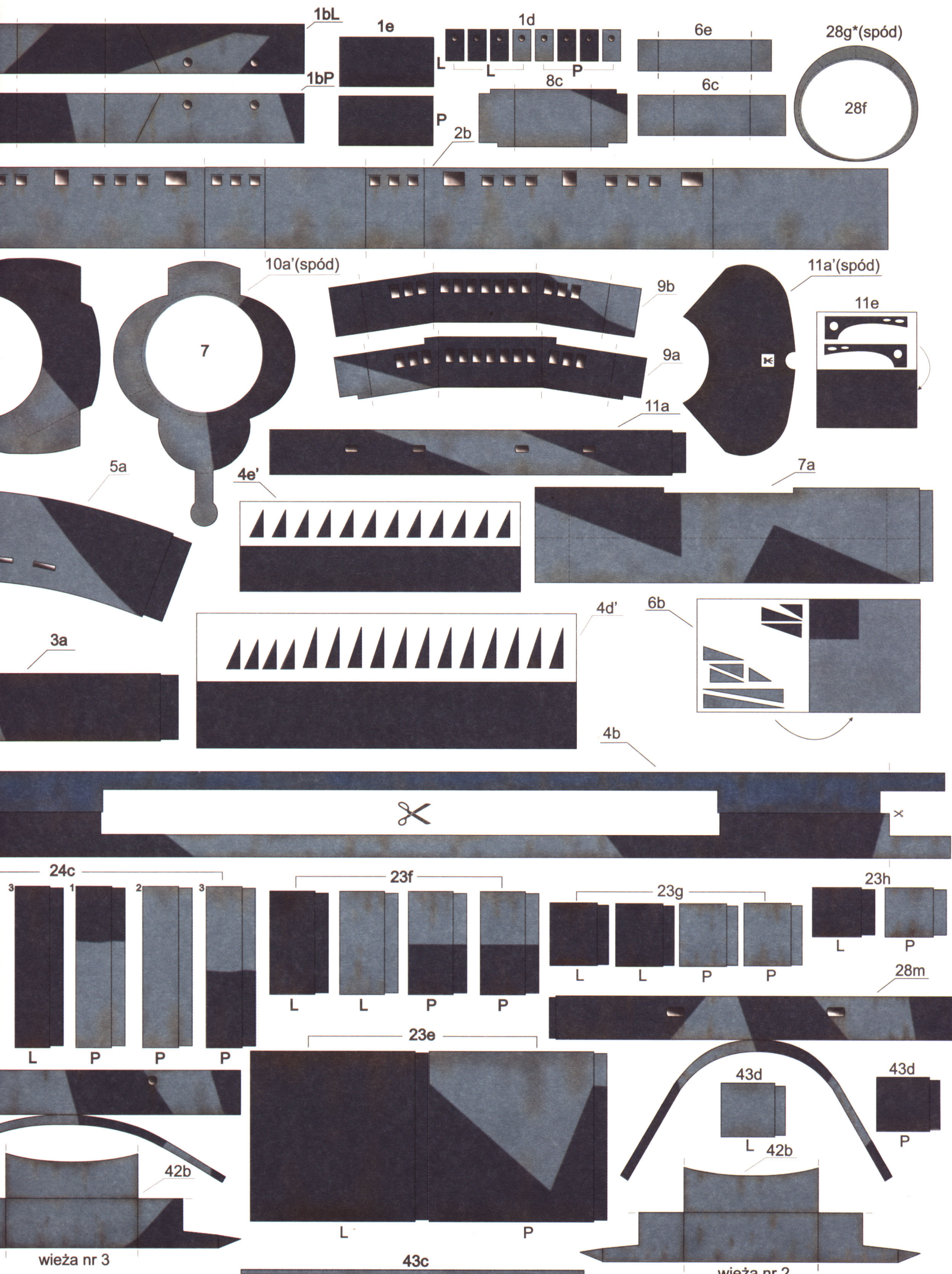


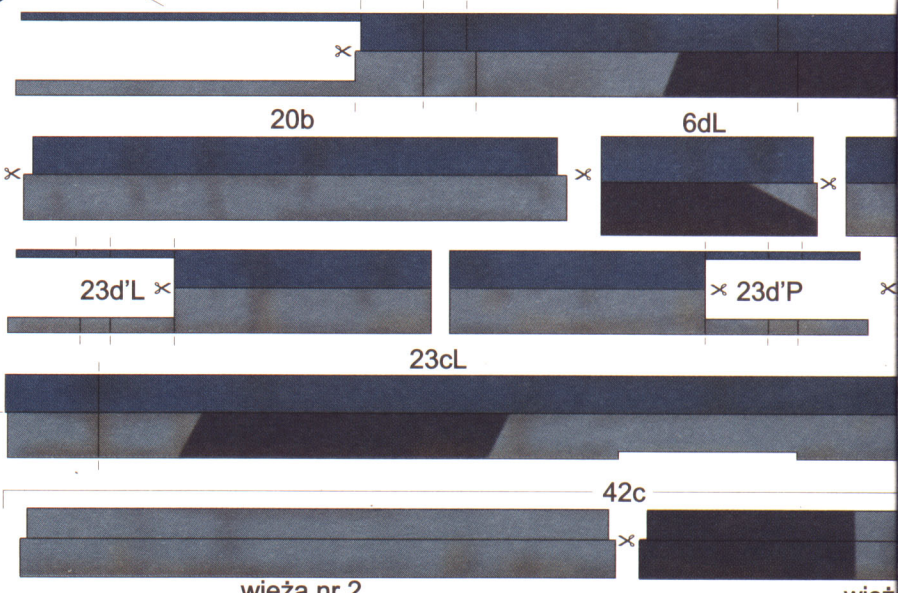
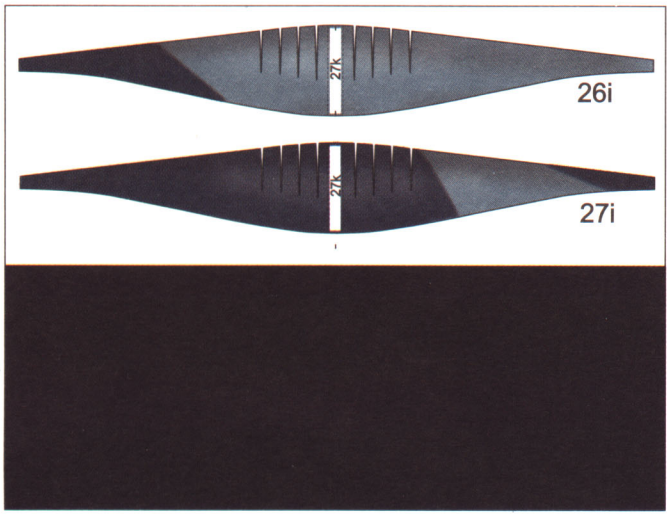
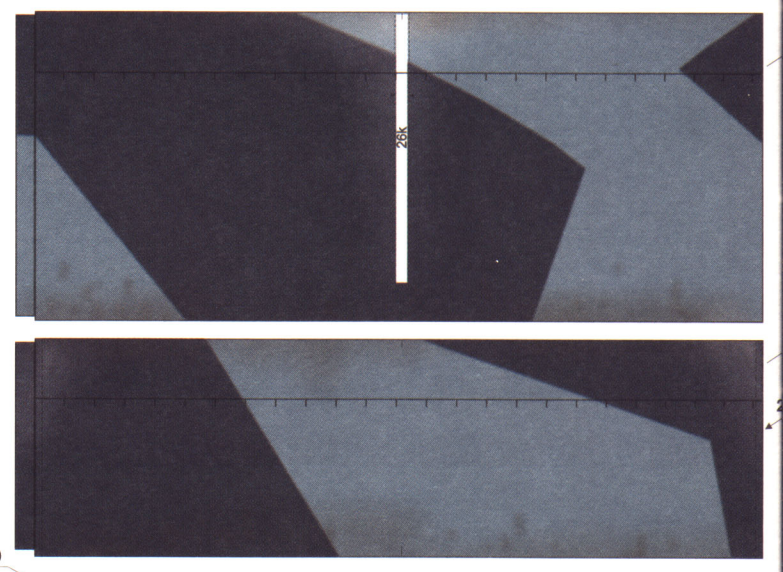
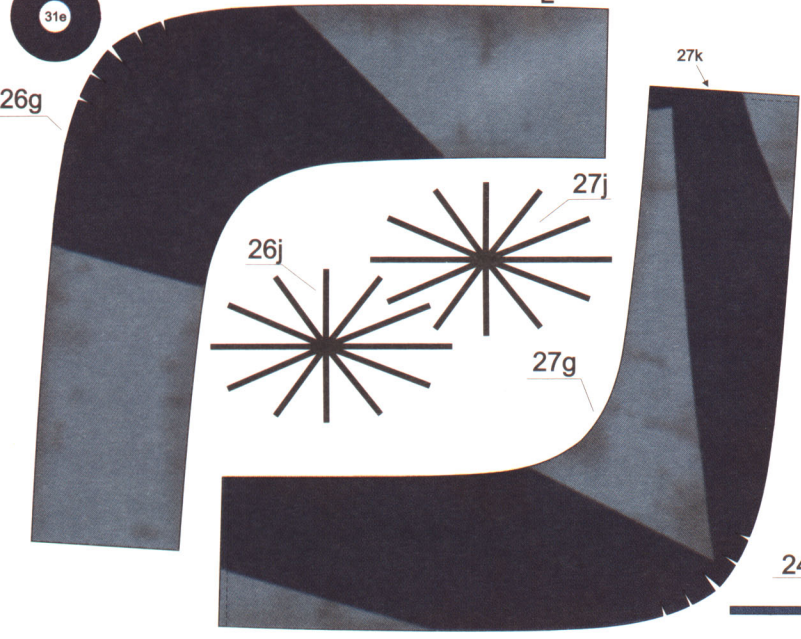
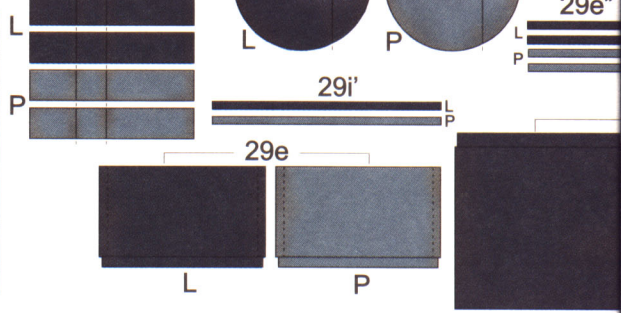
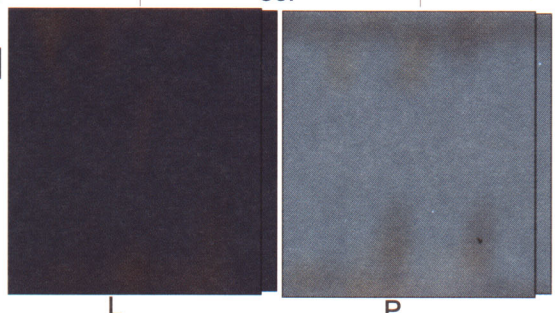
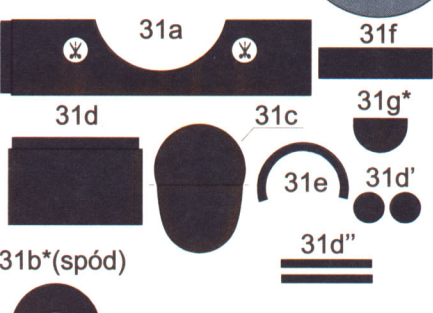
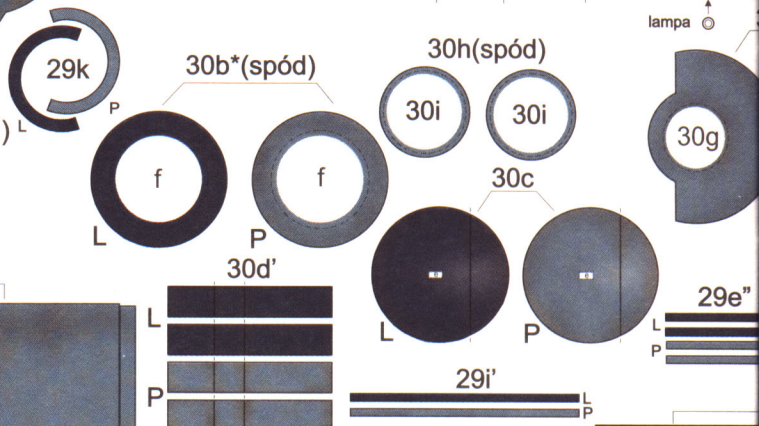
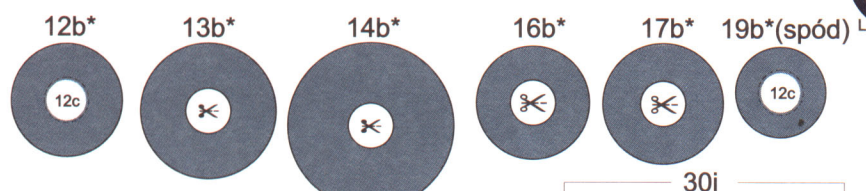
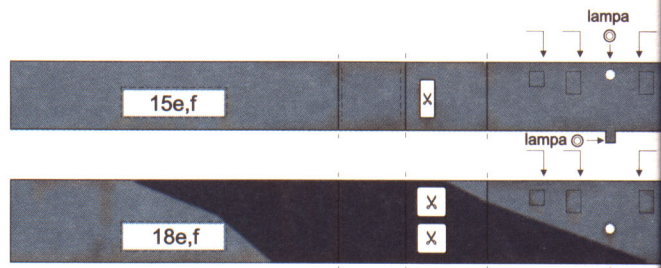
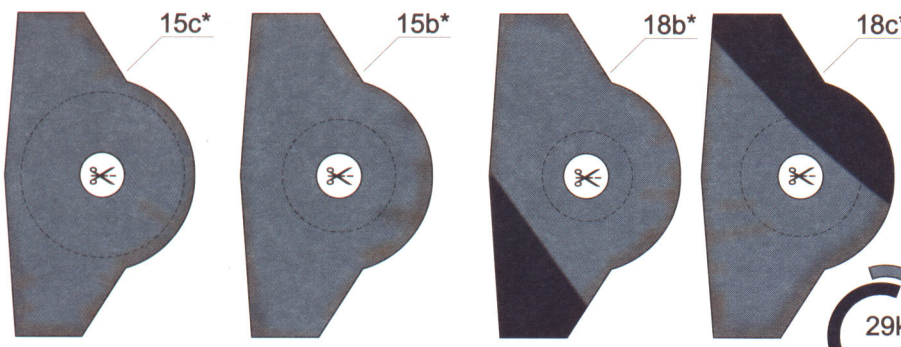






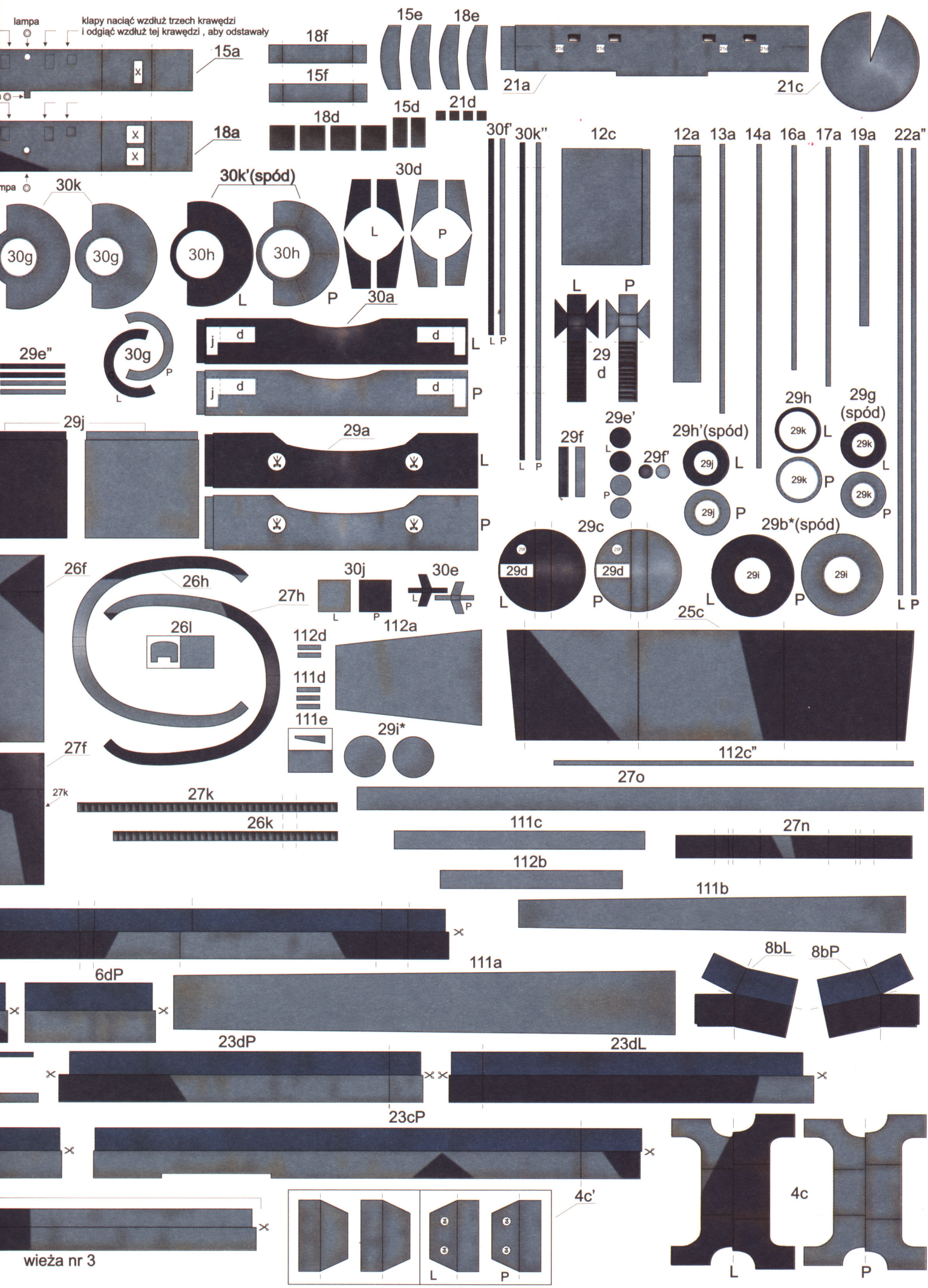




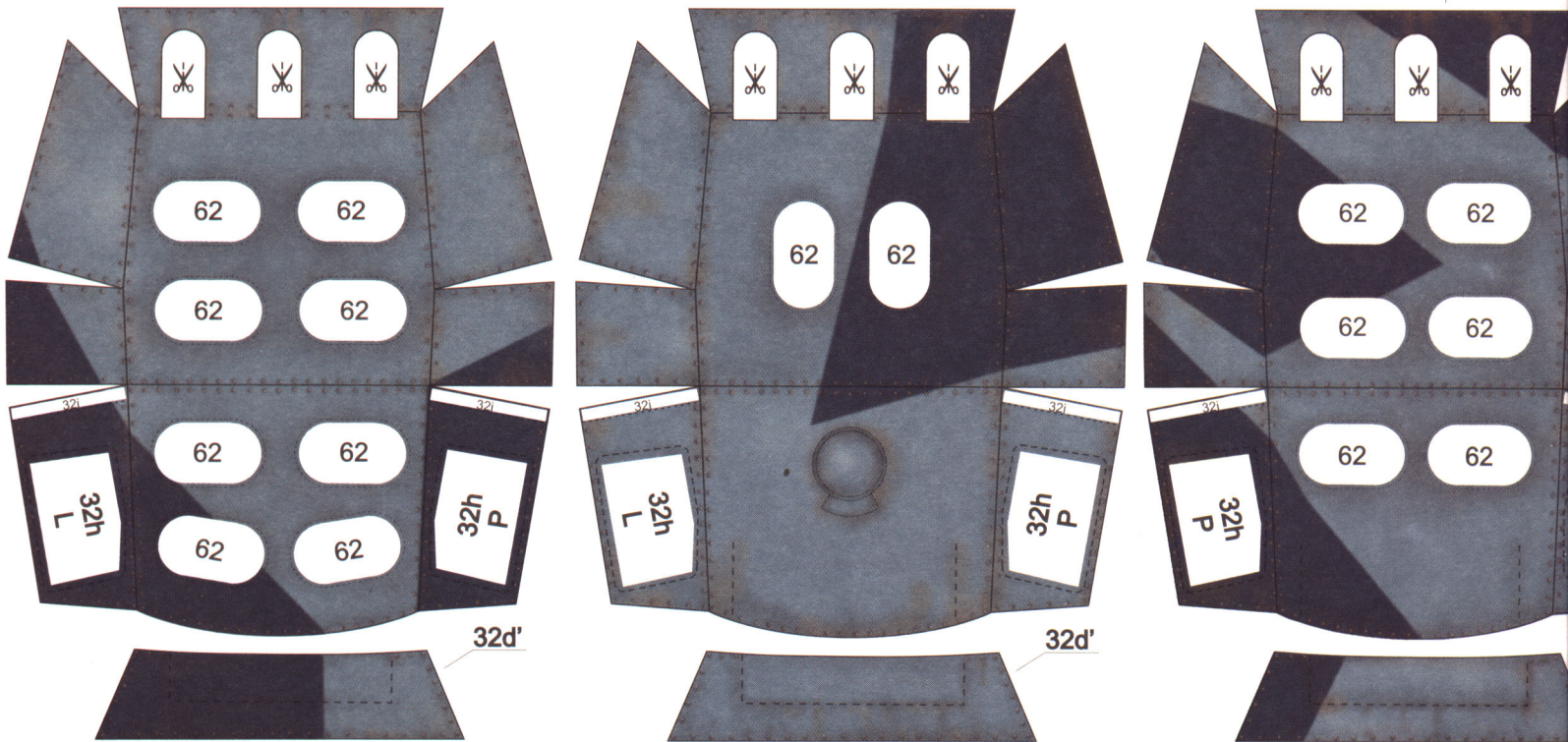


wieża nr 2

wieża



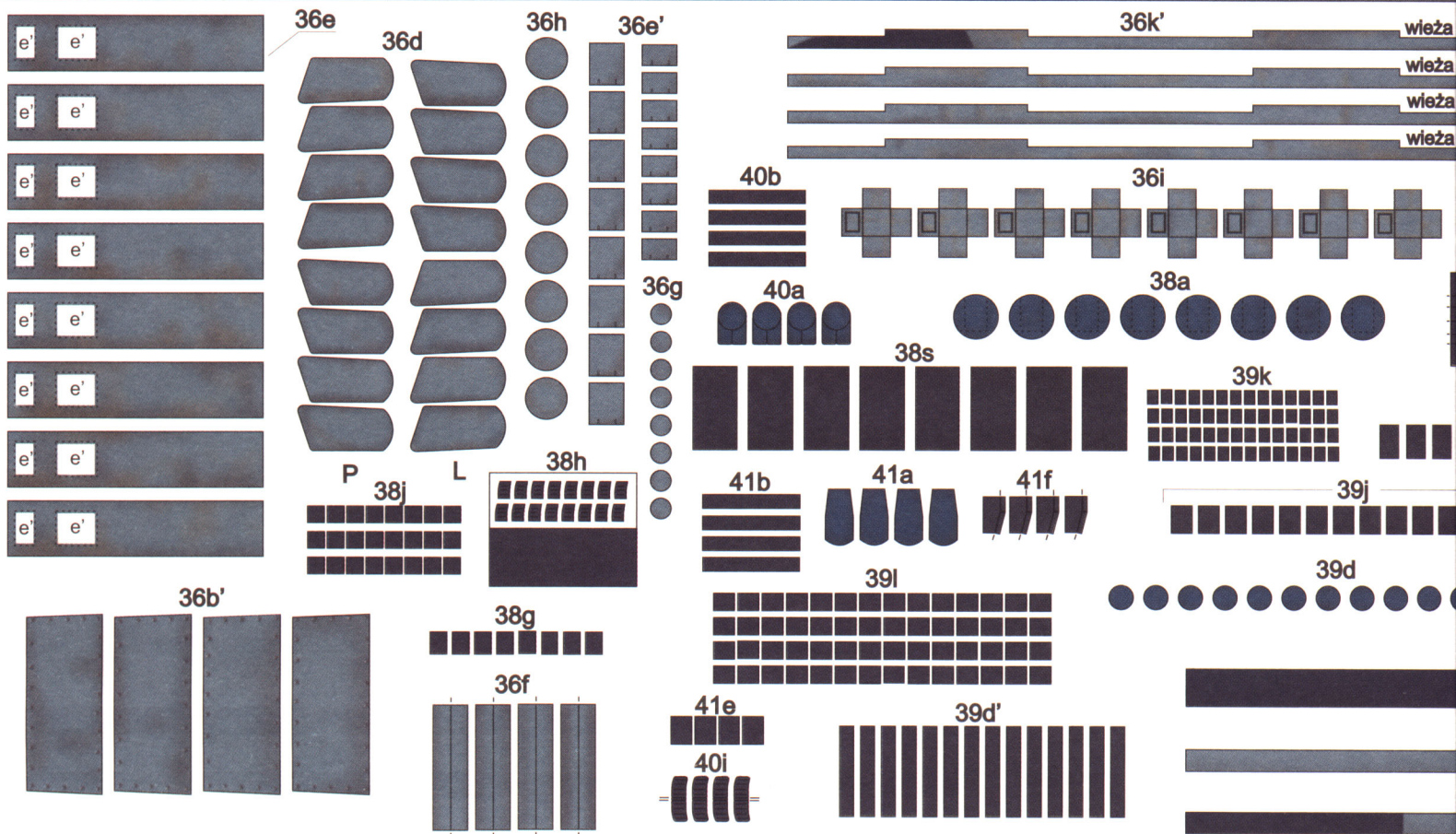
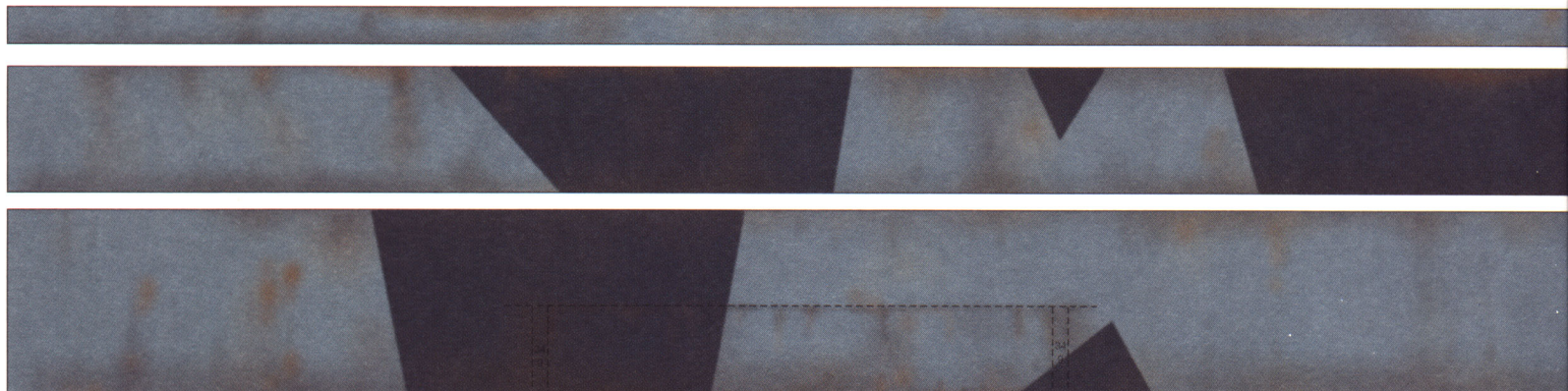
32d

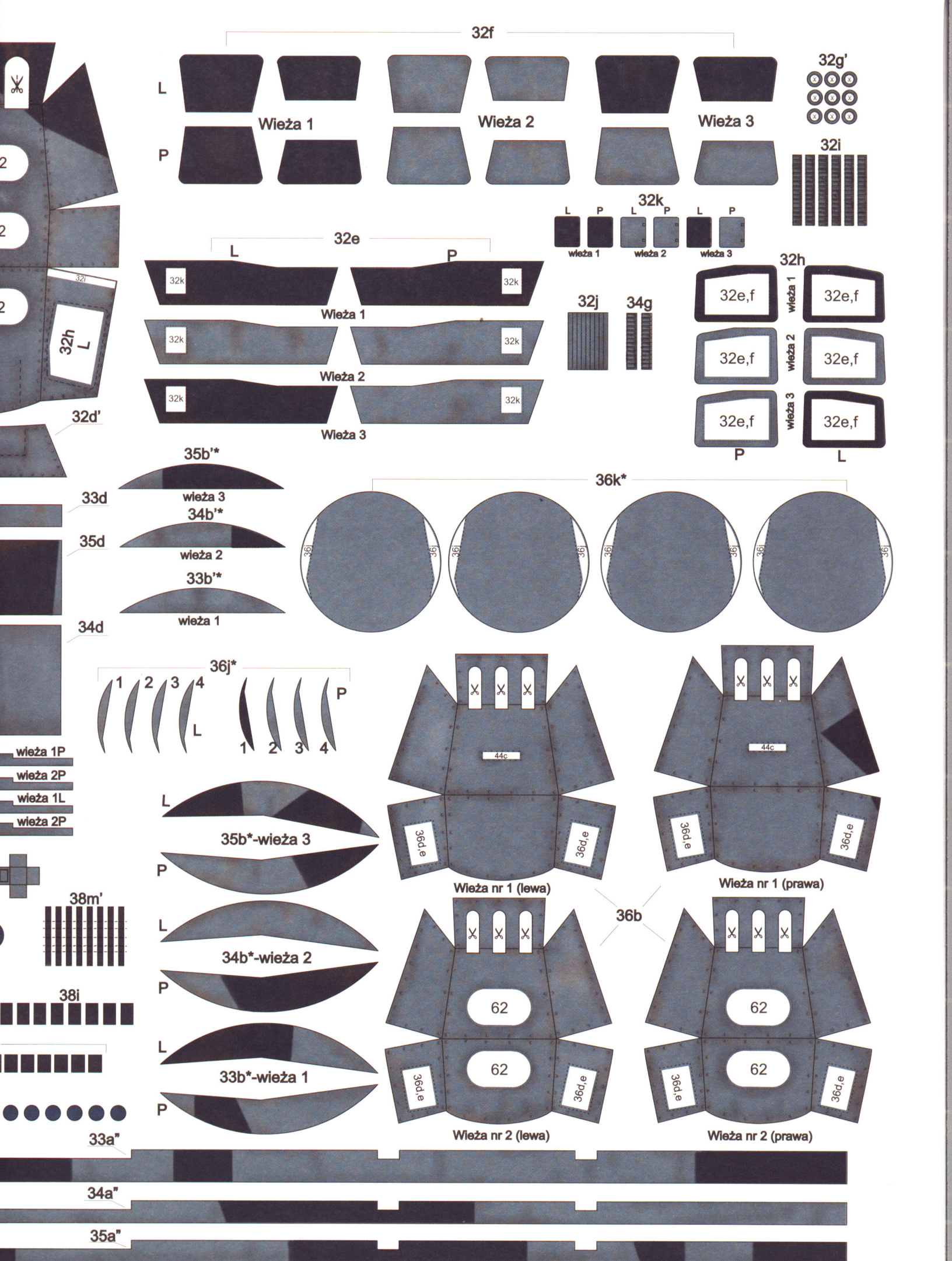


Wieża nr 1

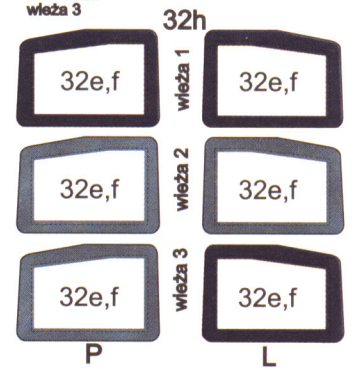
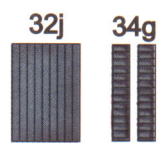
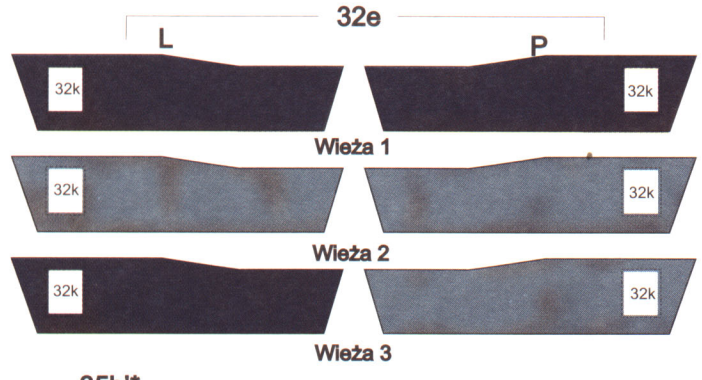
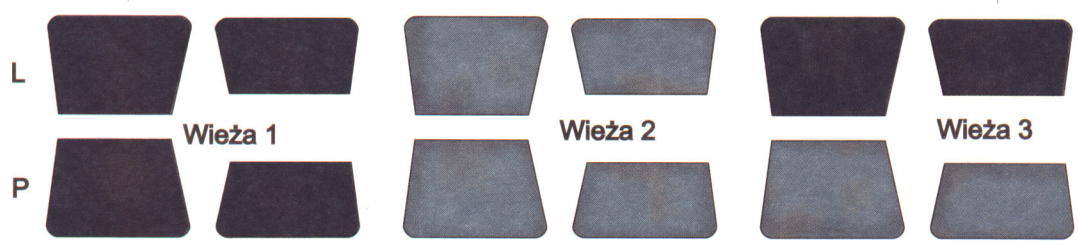
Wieża nr 2

Wieża nr 3

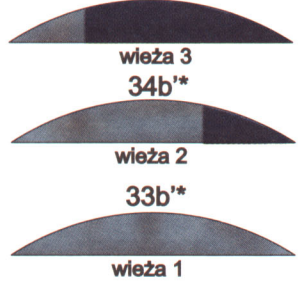




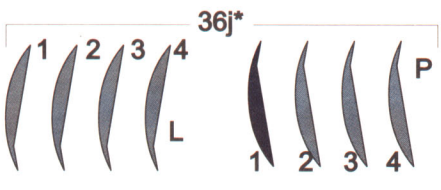
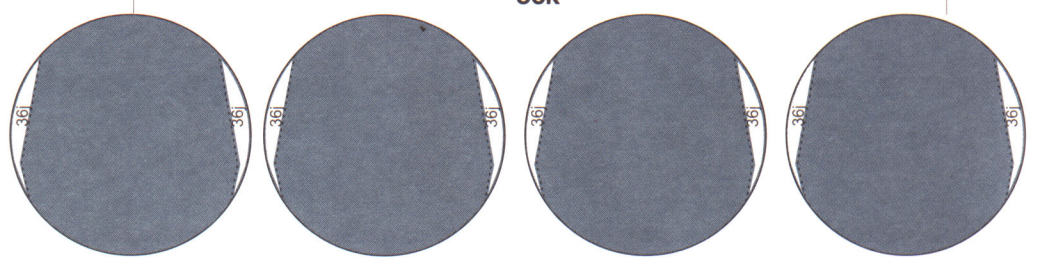
32f



35b\*\*



36k\*

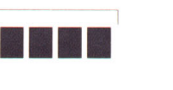
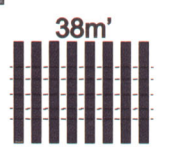
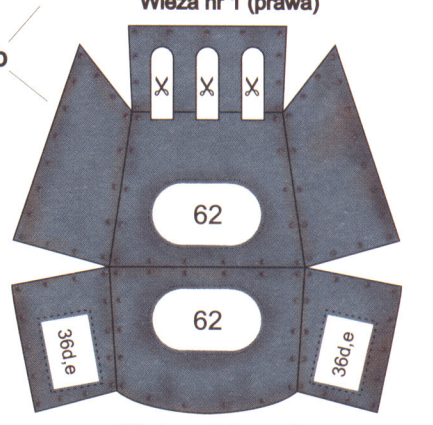
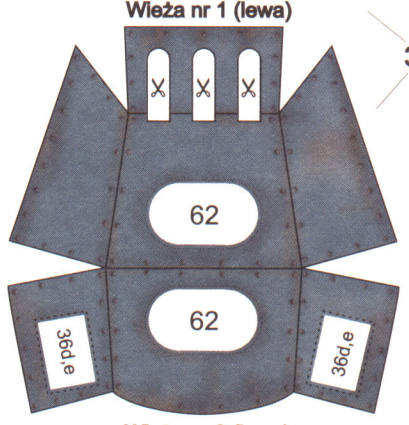
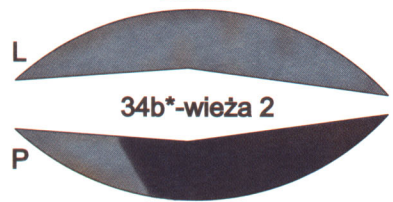
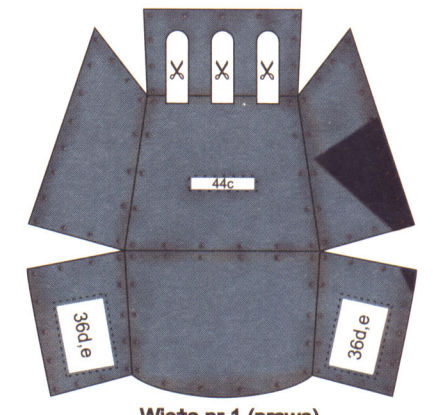
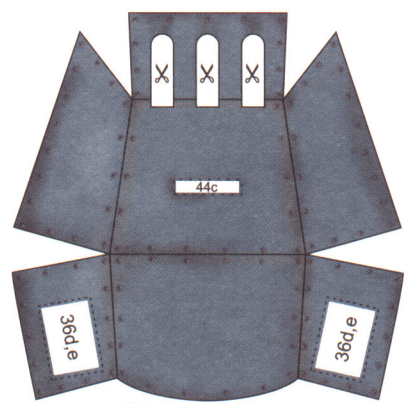


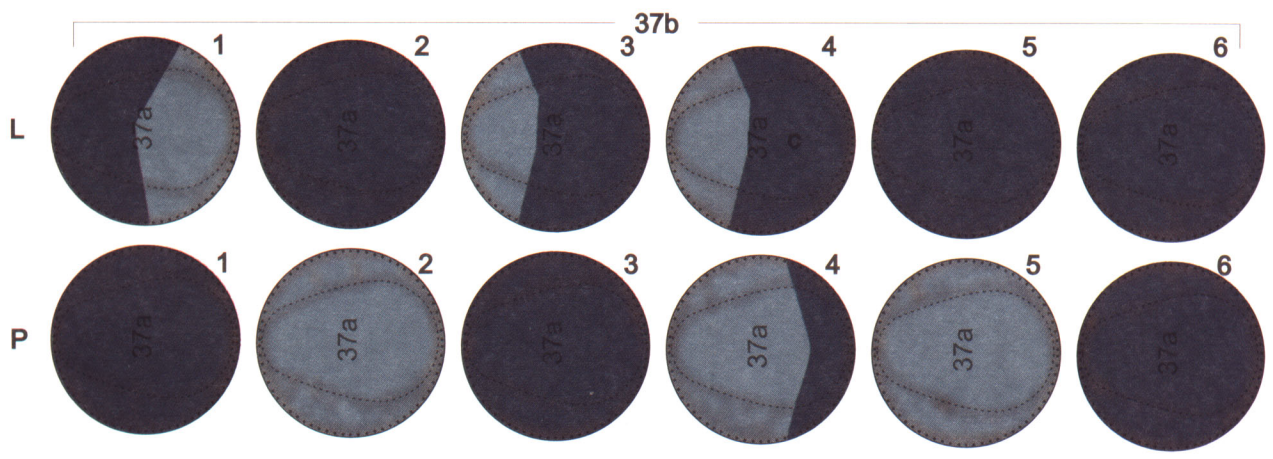
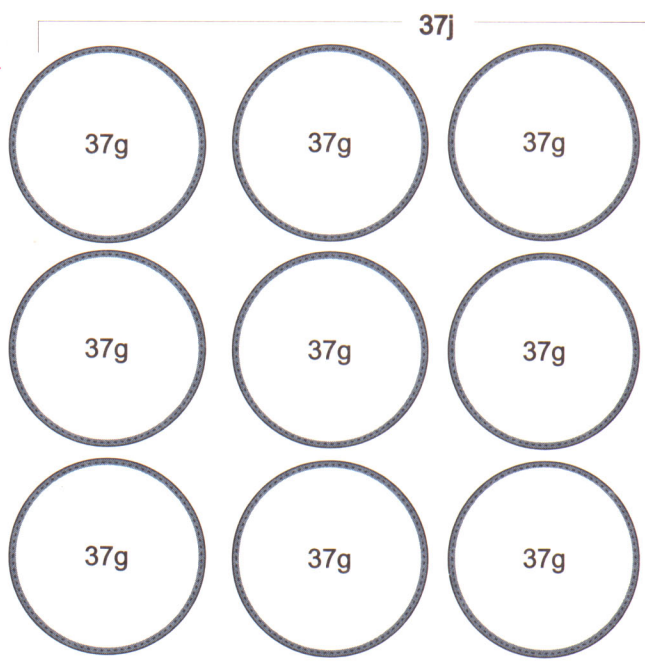
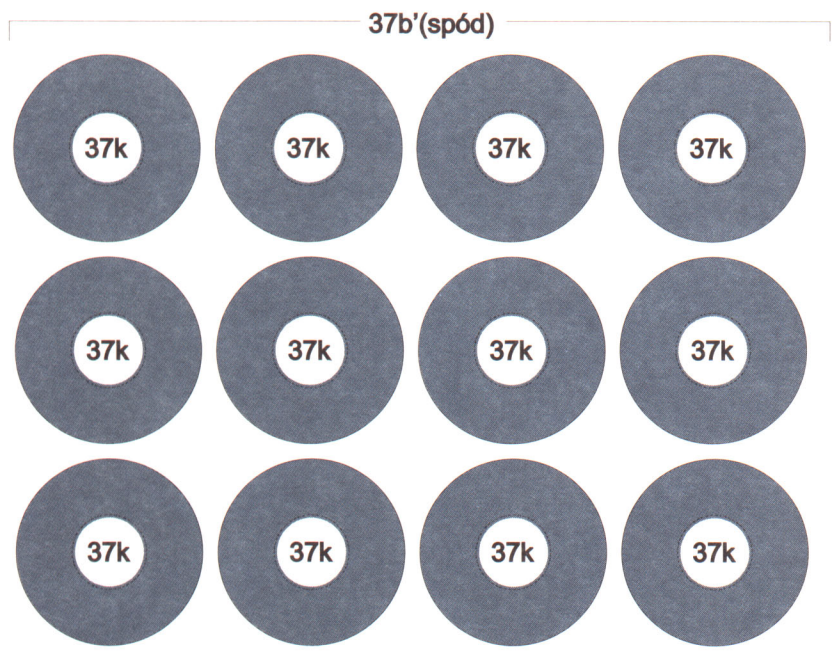
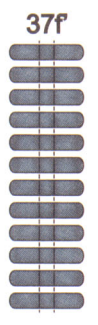
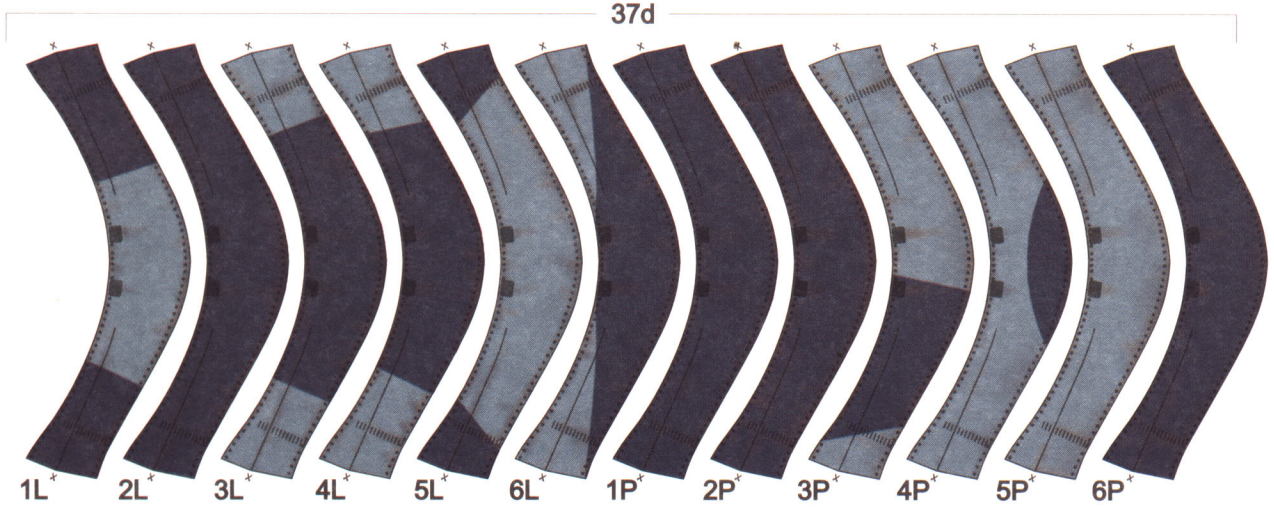
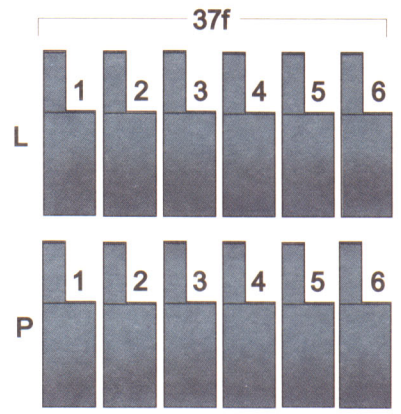
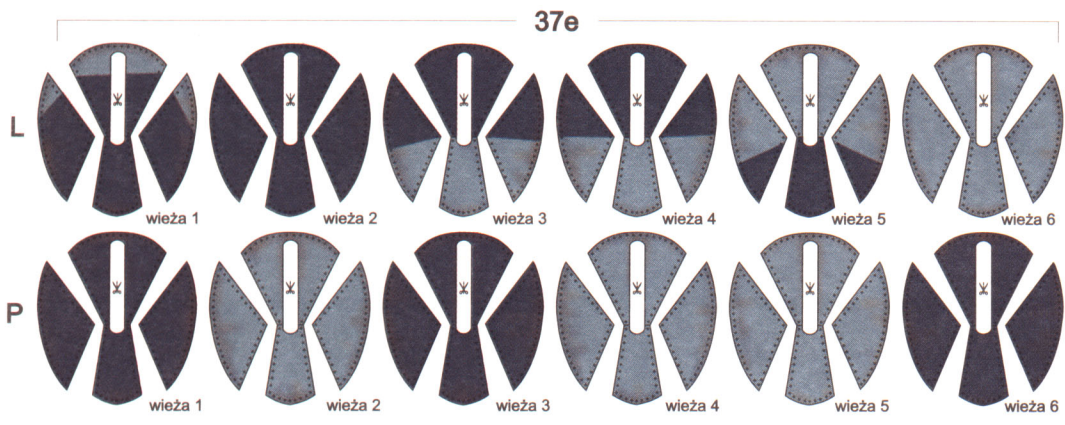
wieża 1P

wieża 2P

wieża 1L

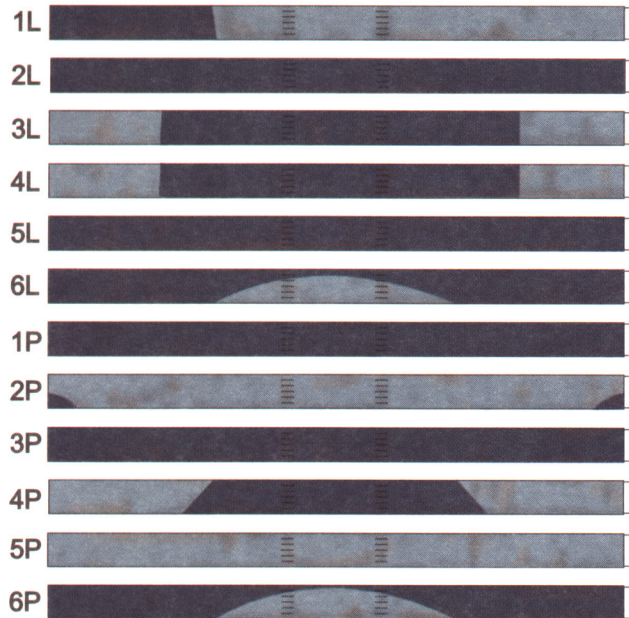
wieża 2P



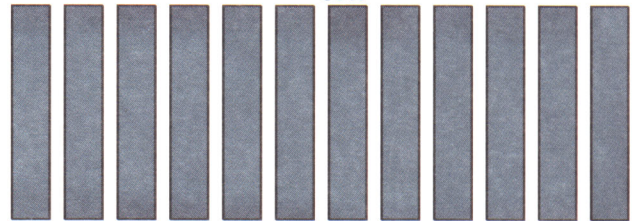




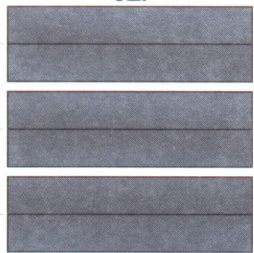
37g



37k



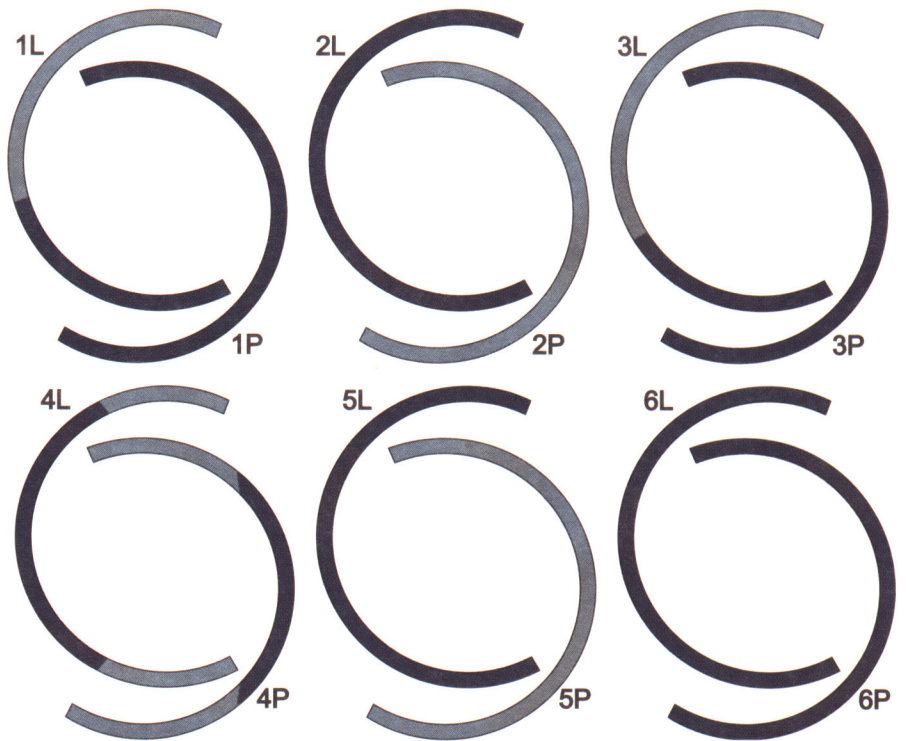
32i



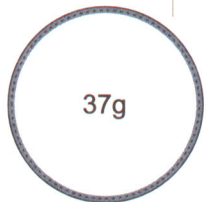
36i



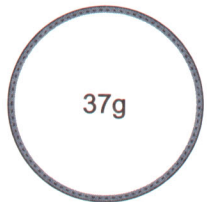
37i



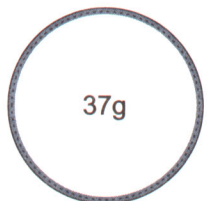
37g



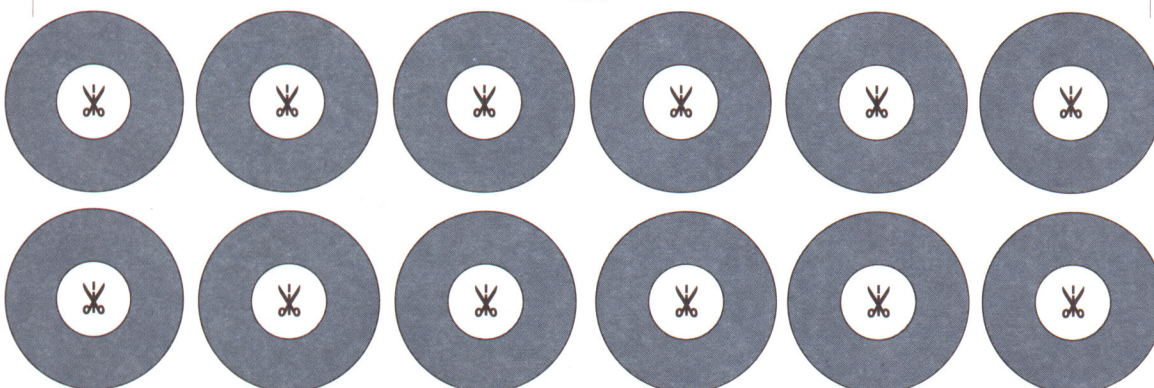
37g

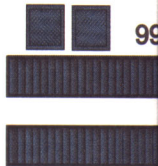
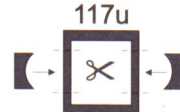
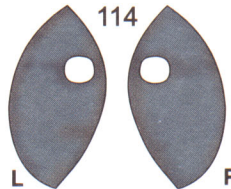
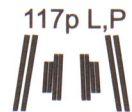
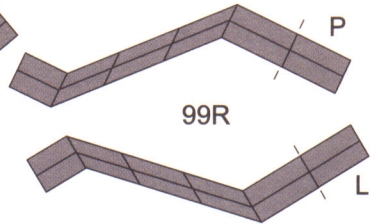
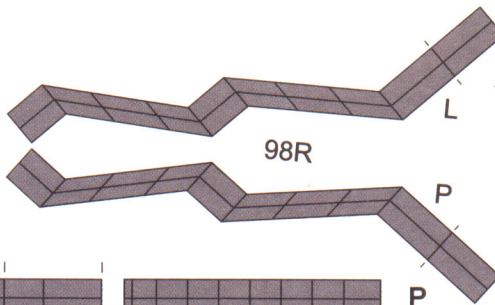
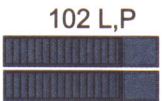
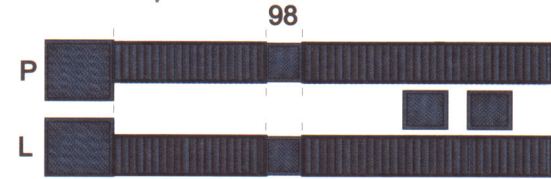
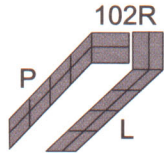
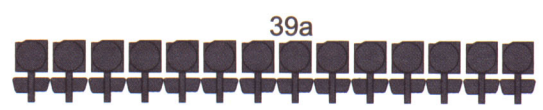
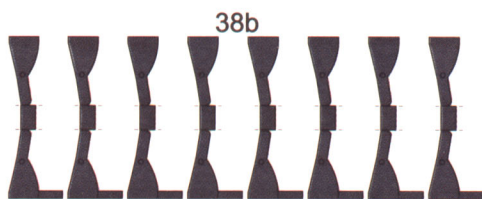
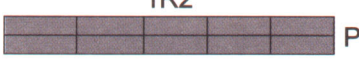
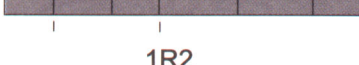
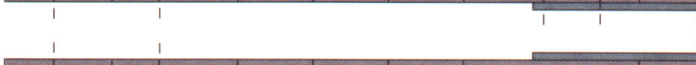
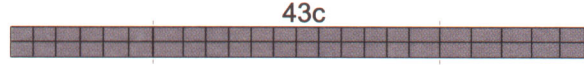
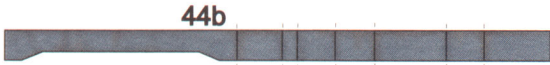
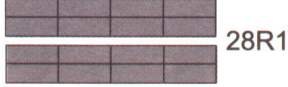
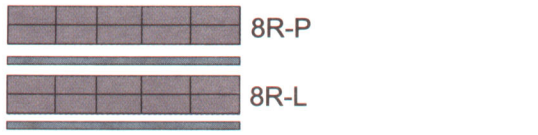


37g



37c\*

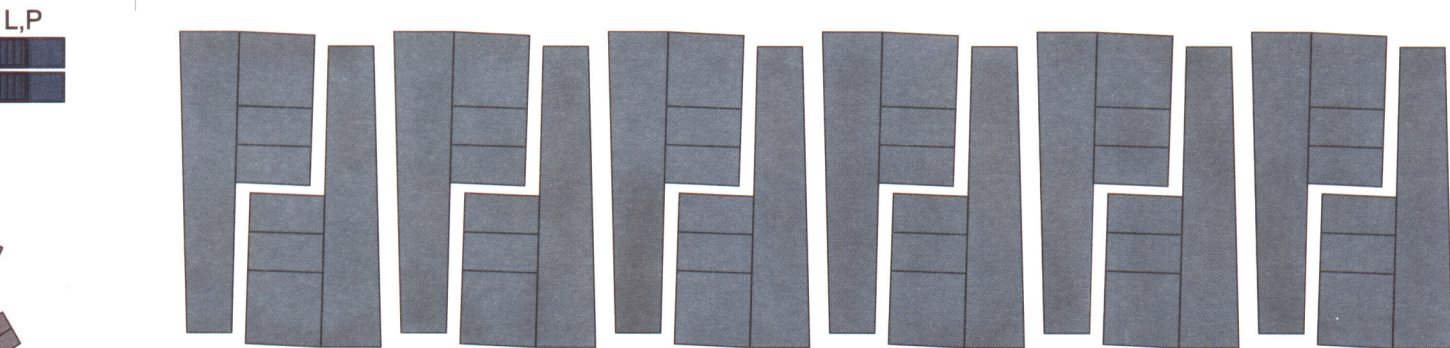




32g

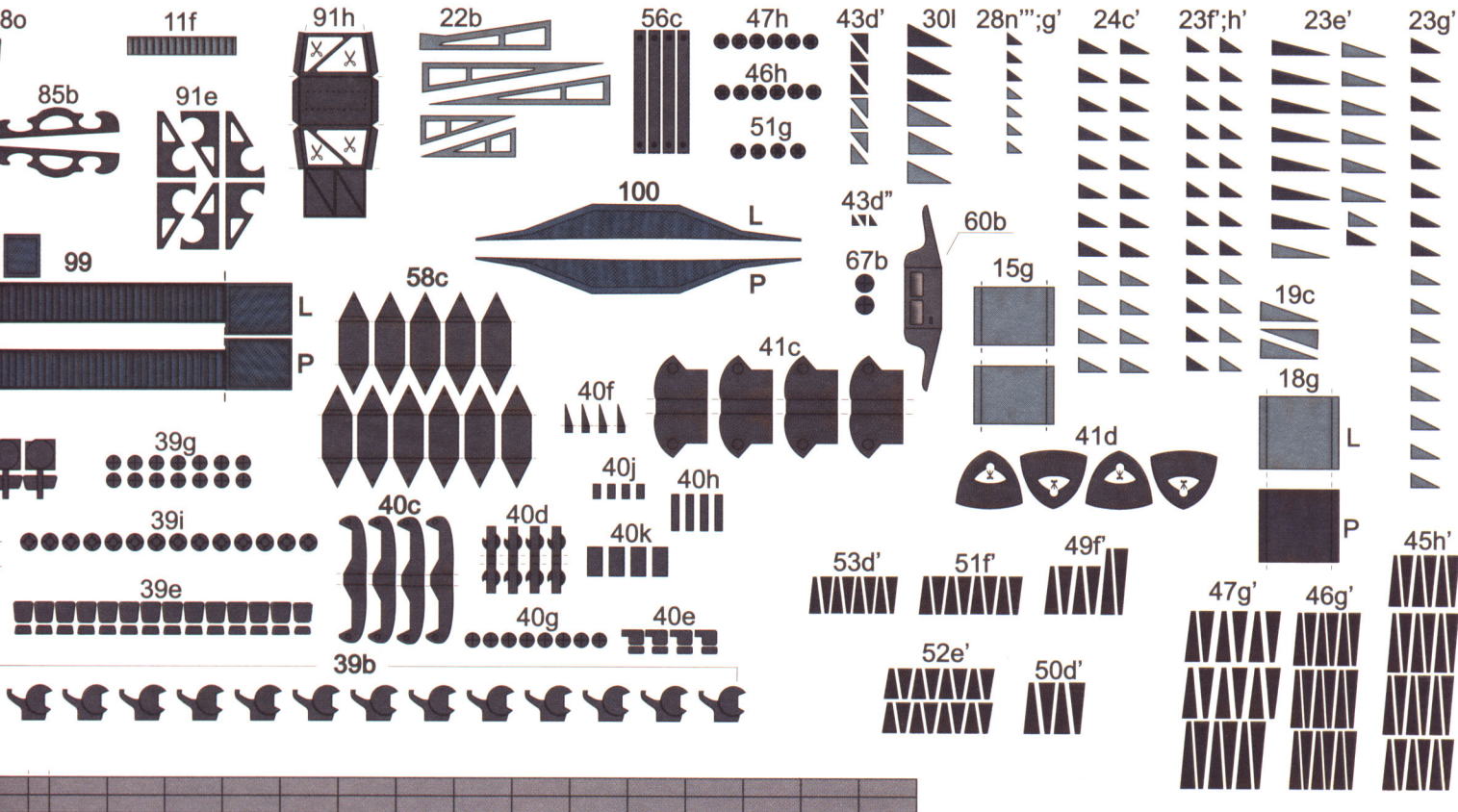


36c



L,P

L

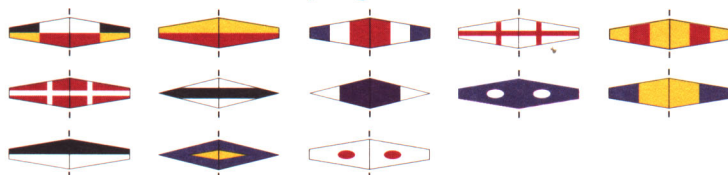


a\*\*\*

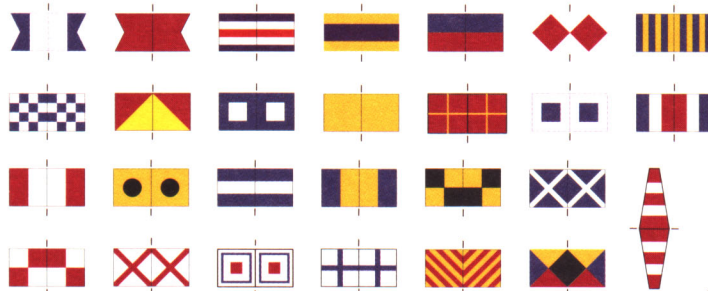
ROMA

ROMA

Kody flagowe:



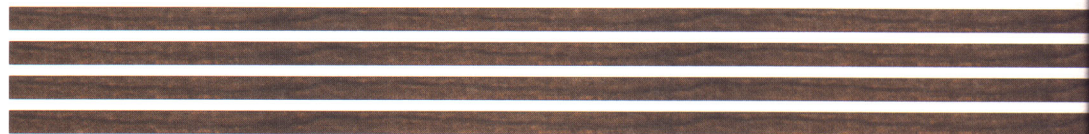
c\*\*\*(tylna)



c'(spód)

ne \*\*\* podklejamy tekturą 3 mm

a'



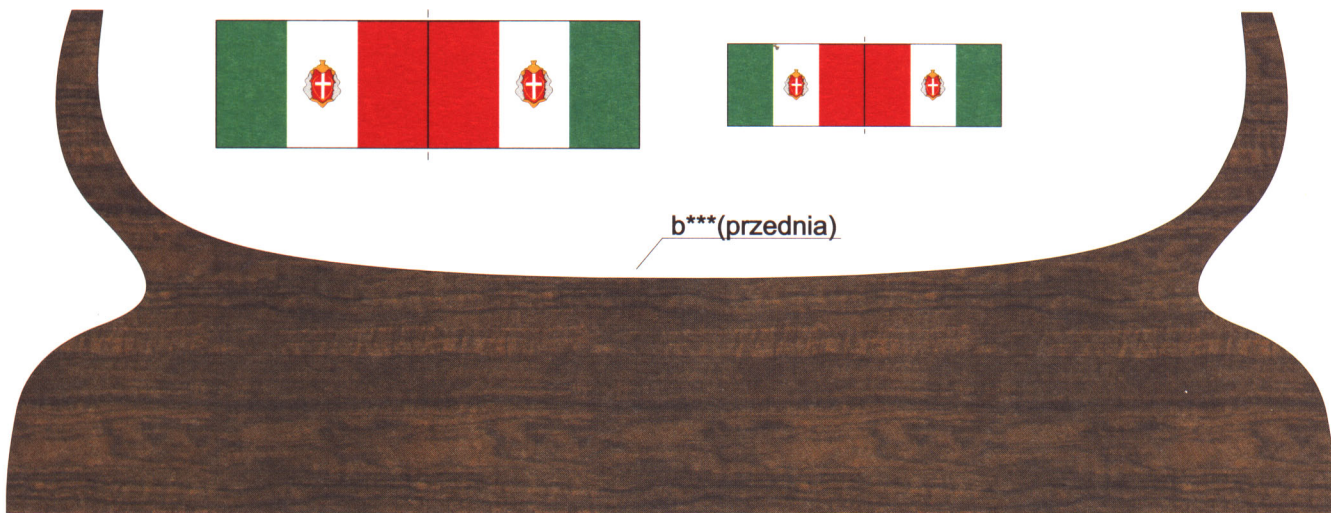
a\*\*



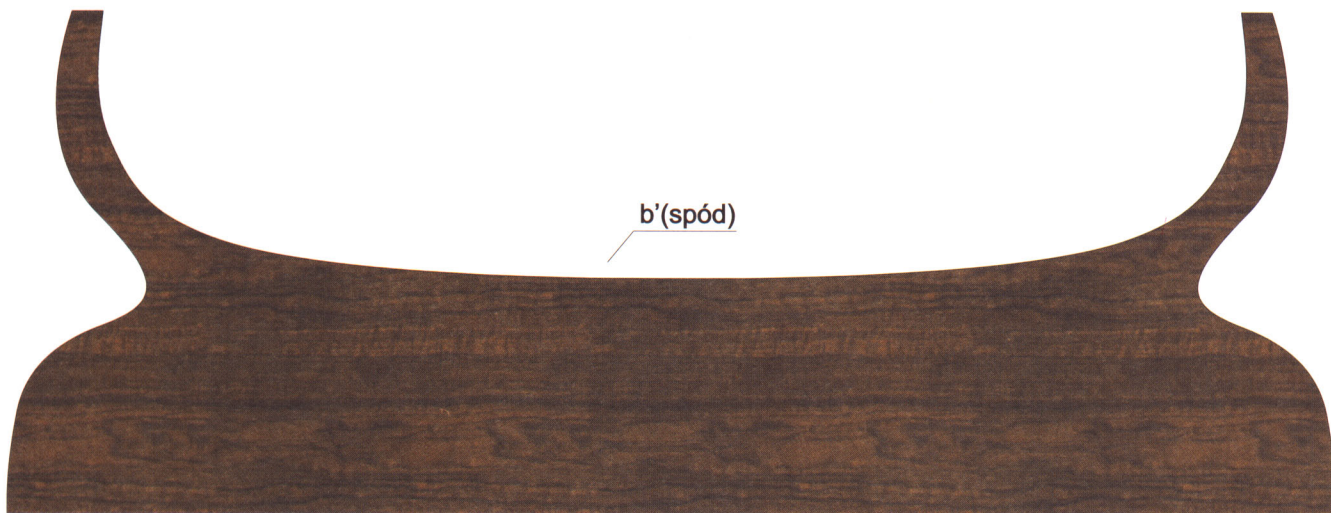
Bandera Włoch (1943r.):



b\*\*\*(przednia)



b'(spód)



c''

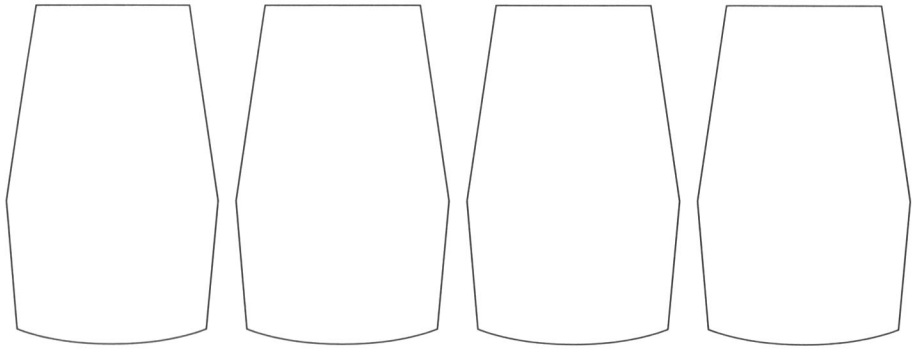


b''

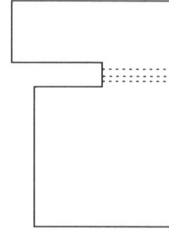


Podstawka - części oznaczone \*

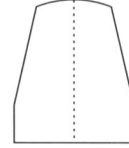
36a\*



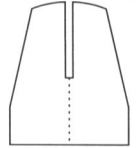
28a\*



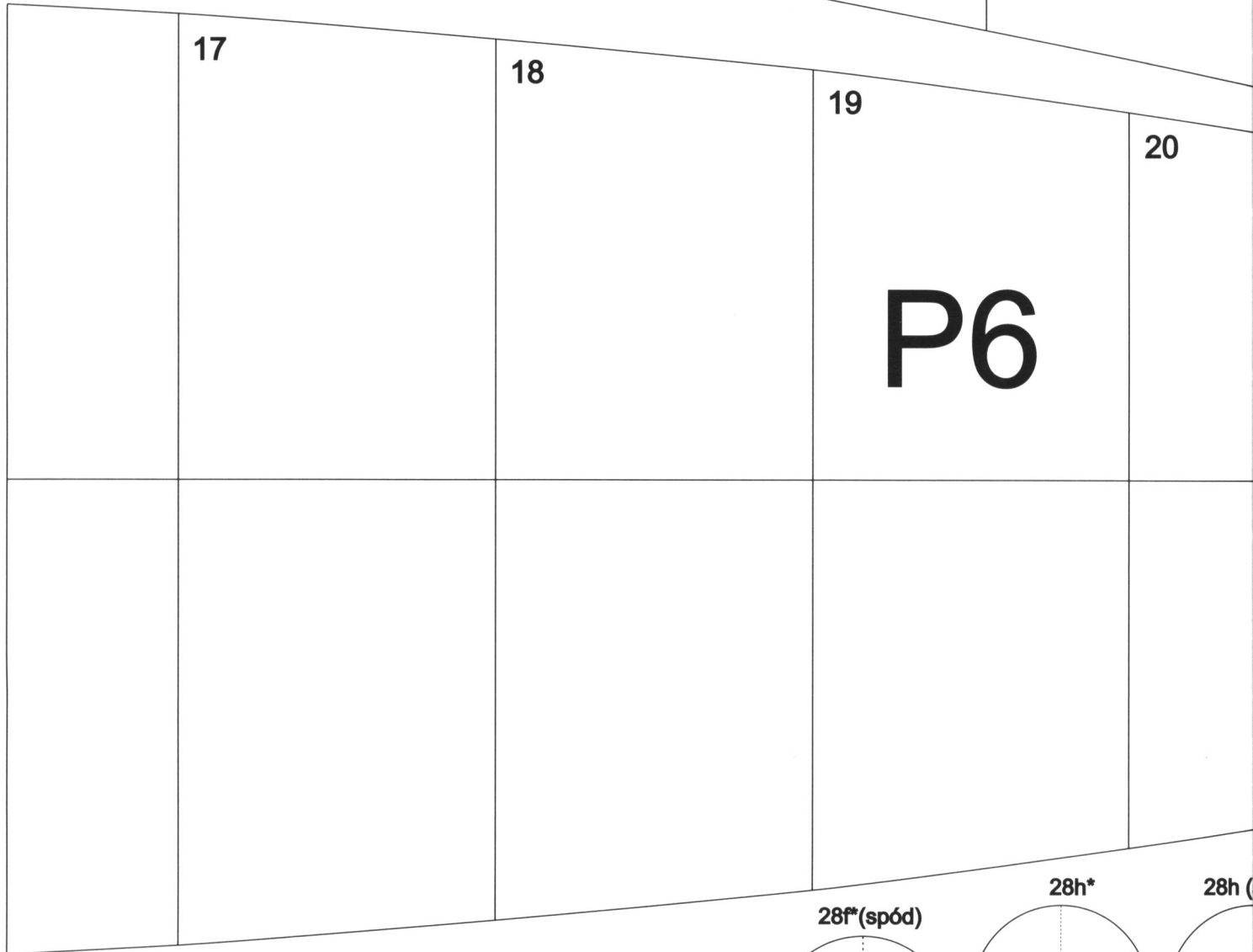
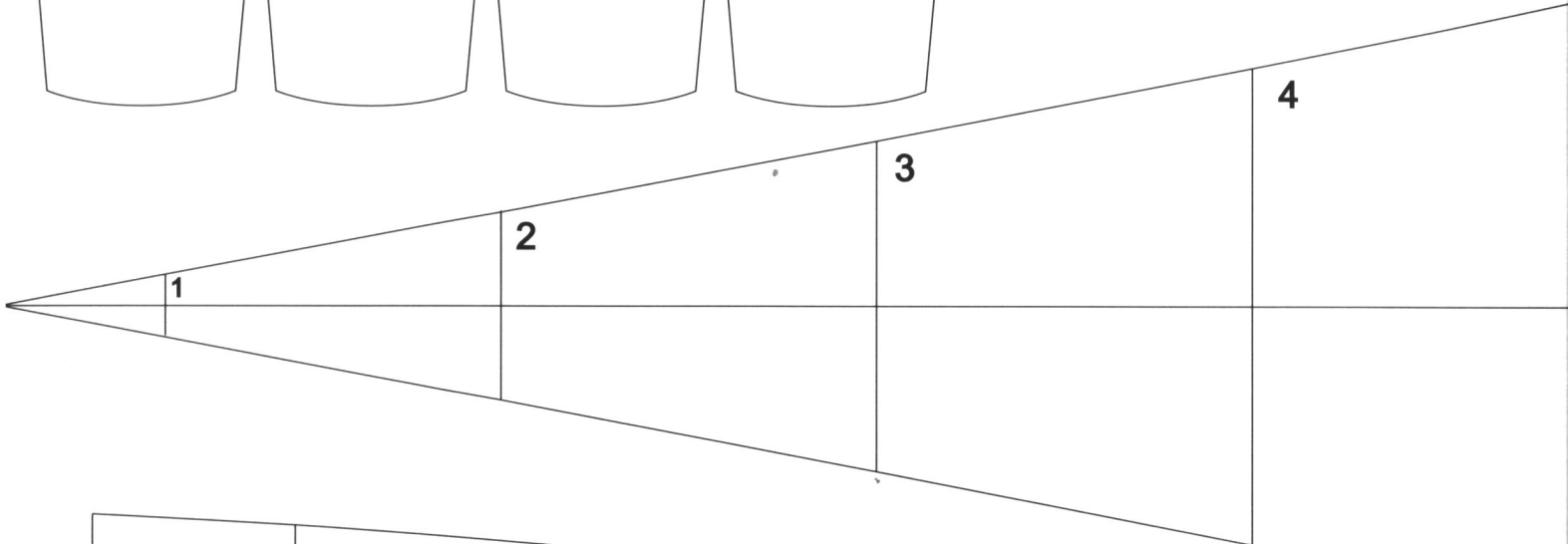
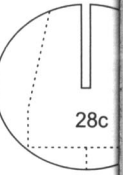
28b\*



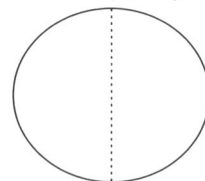
28c\*(spód)



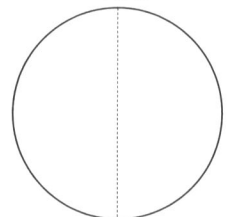
28d\*(sp)



28f\*(spód)

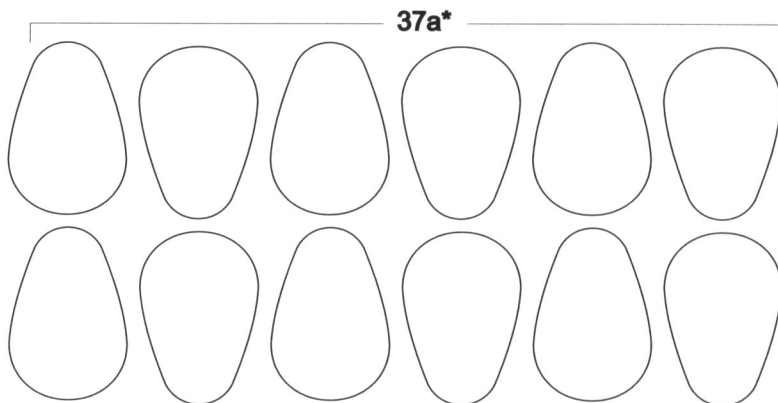
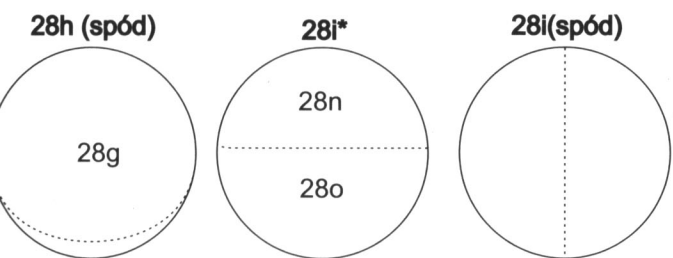
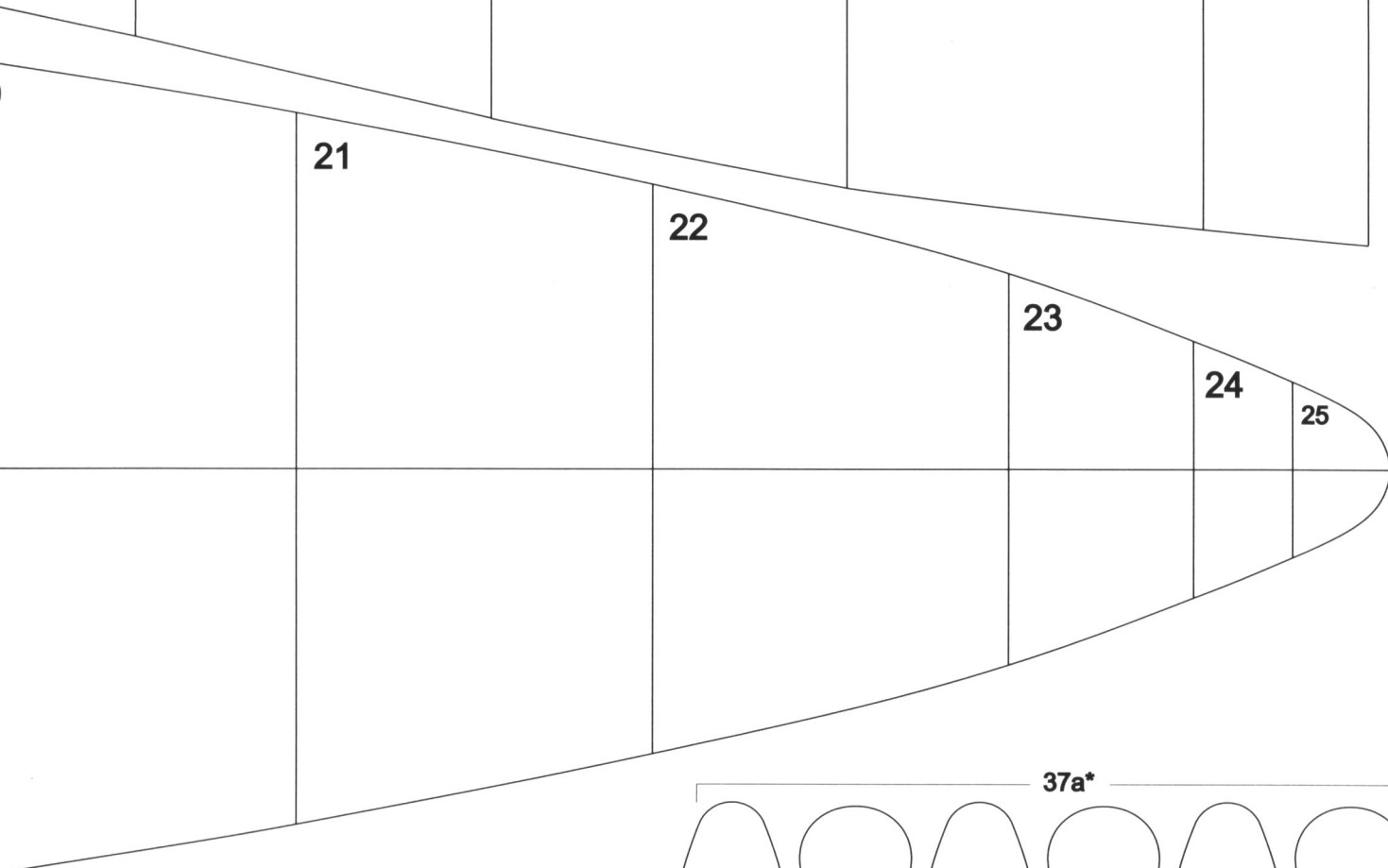
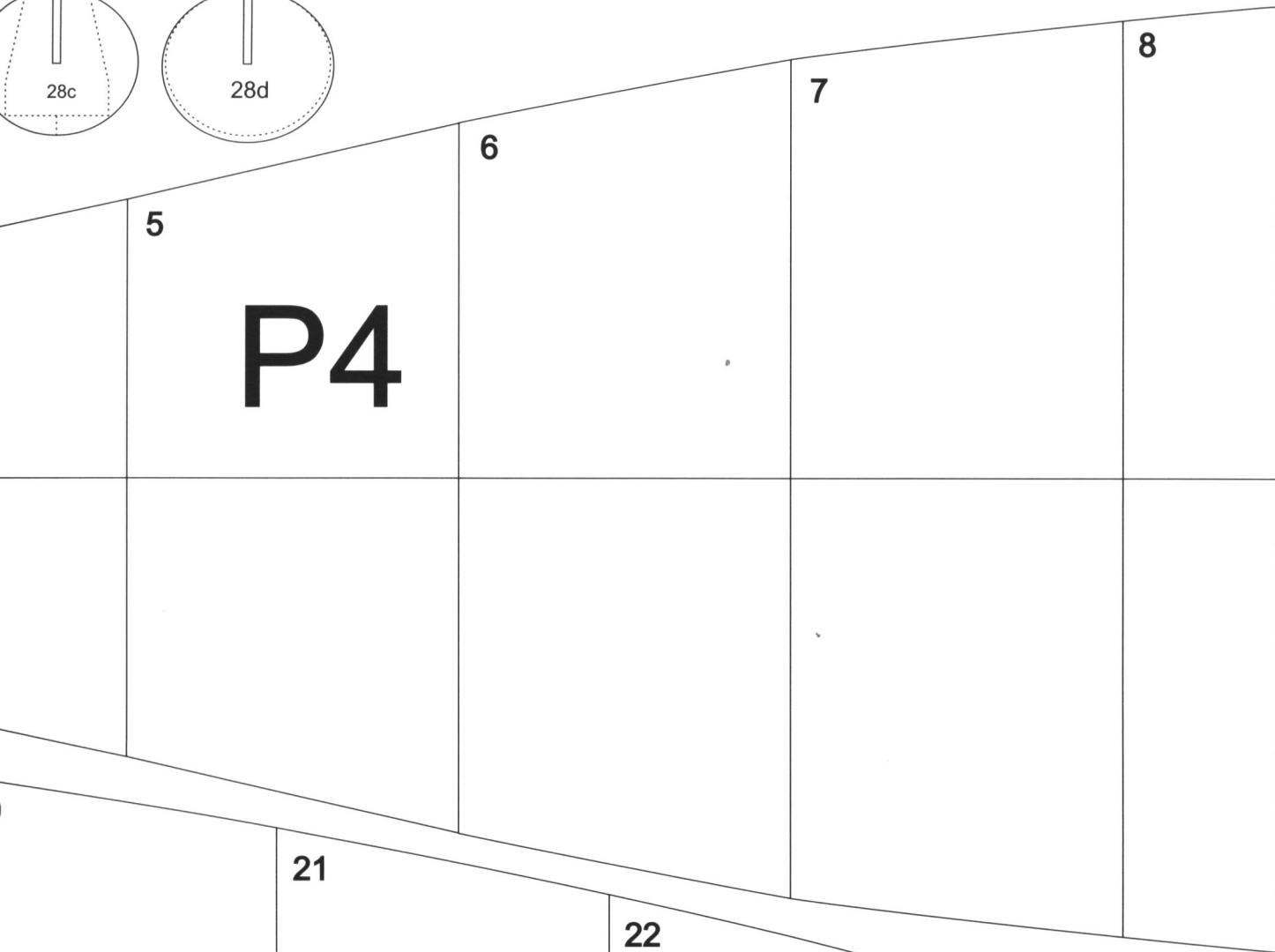
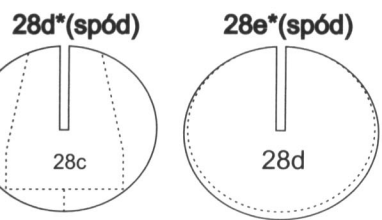


28h\*



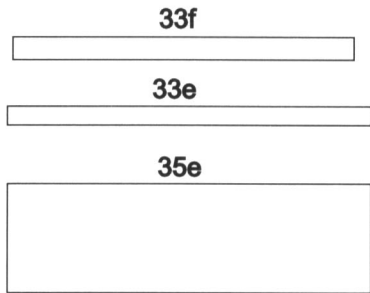
28h (



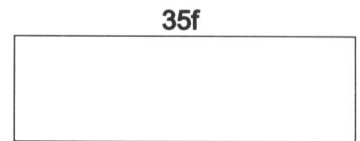
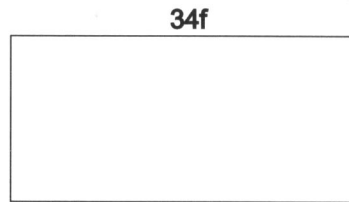
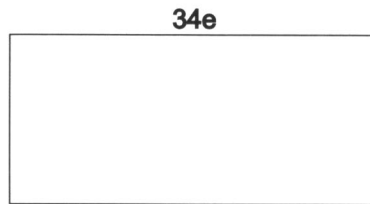


	9	10	11	12

P



Części 33e-f ; 34e-f i 35e-f  
podkleić kartonem !



26d\*

	17	18	19	20
			P3A	
			P3B	



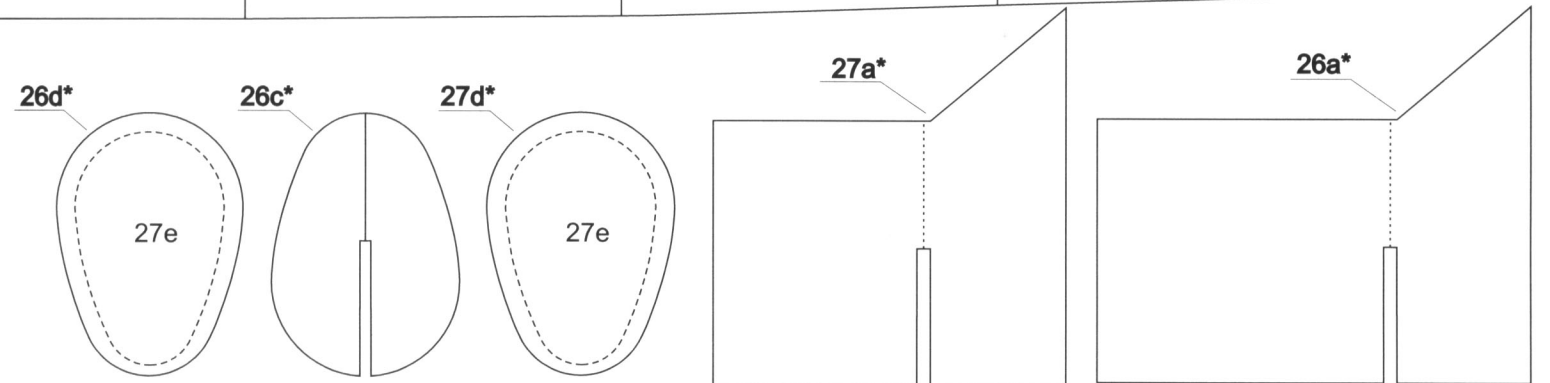
P5

13

14

15

16



20

21

22

23

24

25

