SHIPYARD
PAPER MODELS

HMS WOLF



A4 / 600 DPI / Textures
Renewed by Lexus JC

★★☆☆ 18 PAGES ЛИСТОВ | LENGTH ДЛИНА 39 CM | SCALE МАСШТАБ 1:96

FROM AUTHOR

If you have the opportunity to use the original, always do so! By purchasing the original edition, you support the author and make it possible for new models to be created. But, unfortunately, even original editions have certain issues that remain unaddressed for years.

This project was created to solve the following problems inherent in the original and scanned versions that you can freely download on the internet:
* Many of the magazines are no longer being published
* It has low print quality
* It doesn't satisfy those who want the model to look like it's made of wood, as the original lacks wood texture
* The appearance of decorative elements is unsatisfactory
* There are no supplements in the form of laser-cut and 3D-printed elements
* It's sometimes difficult to find the required element in the instructions

What distinguishes this magazine from other versions:
* 600 dpi resolution providing maximum print quality without artifacts
* All magazines are formatted so that the sheets are A4 size, while maintaining the model's scale. This advantageously distinguishes this edition from the original, where most models are presented on A3 sheets, and makes home printing accessible
* Sheets with parts have centimeter rulers horizontally and vertically, which makes it possible to fully maintain geometry when printing
* Wooden parts have appropriate texture, unlike the original, which gives the model the quality of a wooden kit
* This edition has interactive navigation and a table of contents. In any diagram or on any parts sheet, you can click on a number and go to the interactive table of contents, which has 3 columns: 1 - part number; 2 - all links on diagrams; 3- all links on parts sheets. Moreover, each link has two numbers in parentheses that correspond to X and Y coordinates in centimeters, counted from the upper left corner. This allows you to quickly find parts even by simply printing the interactive table of contents
* Contains links to Thingiverse where you can freely download files for laser cutting of the ship's hull and decks, as well as 3D models of decorative elements, artillery, and rigging elements

ОТ АВТОРА

Если у вас есть возможность использовать оригинал, делайте это всегда! Покупая оригинальное издание, вы поддерживаете автора и делаете возможным появление новых моделей. Но, к сожалению, даже в оригинальных изданиях есть некоторые проблемы, которые не исправляются годами.

Этот проект появился для того, чтобы решить следующие проблемы, присущие оригиналу и сканированным версиям, которые вы можете свободно скачать в интернете:
* Многие из журналов уже не издаются
* Имеют низкое качество печати
* Не подходят тем, кто хочет, чтобы модель выглядела как сделанная из дерева, так как у оригинала отсутствует текстура дерева
* Не устраивает вид декоративных элементов
* Отсутствуют дополнения в виде лазерной резки и 3D-печатных элементов
Иногда сложно найти в инструкции нужный элемент

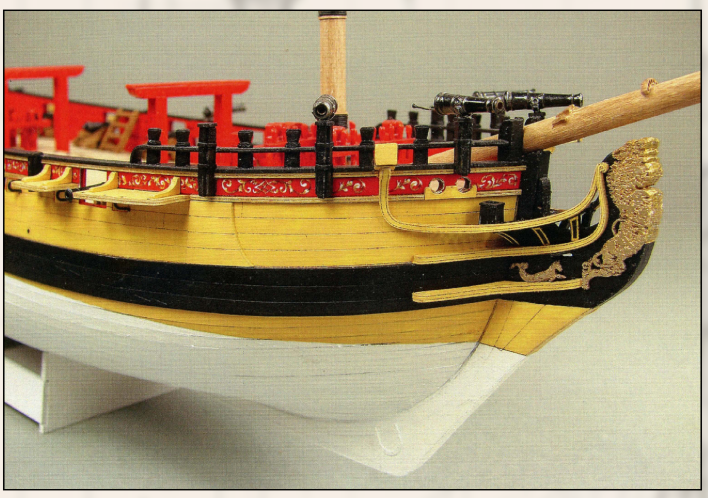
Что отличает этот журнал от остальных версий:
* Разрешение 600 dpi, обеспечивающее максимально качественную печать без артефактов
* Все журналы свёрстаны таким образом, что листы представляют собой формат А4, при этом масштаб модели сохранён. Это выгодно отличает данное издание от оригинала, где большинство моделей представлены на листах формата А3, и делает доступной домашнюю печать
* Листы с деталями имеют сантиметровую линейку по горизонтали и вертикали, что даёт возможность полностью соблюсти геометрию при печати
* Деревянные детали имеют соответствующую текстуру, в отличие от оригинала, что придаёт модели качество wooden kit
* Данное издание имеет интерактивную навигацию и оглавление. В любой схеме или на любом листе с деталями можно кликнуть по номеру и перейти к интерактивному оглавлению, где имеются 3 колонки: 1 - номер детали; 2 - все ссылки на схемах; 3 - все ссылки на листах с деталями. Причём каждая ссылка имеет в скобках две цифры, которые соответствуют координатам X и Y в сантиметрах, считая от верхнего левого угла. Это позволяет быстро отыскивать детали, даже просто распечатав интерактивное оглавление
* Содержит ссылки на Thingiverse, где вы можете бесплатно скачать файлы для изготовления лазерной резки каркаса корабля и палуб, а также 3D-модели декоративных элементов, артиллерии и элементов такелажа

HMS WOLF (1752)

The two-masted sloop, Wolf, was a small military vessel dedicated to supporting military activities. She had rigging known as "snow", and so had an extra special mast, called a snowmast, which secured the mainmast gaff sail with the boom.
Built in the yard of Chatham, she was launched in 1754, two years before the outbreak of the Seven Years' War.
This war gave her the opportunity to participate in one of the spectacular actions of the British fleet - the attack on Le Havre and the destruction of the amphibious ships that were built to invade England. At dawn on April 7, 1759, the British began firing Le Havre with five bomb vessels which belonged to the squadron commanded by Admiral George Rodney.
This squadron consisted of 3 battleships (two-deckers, 3 frigates and two sloops: HMS Carcass (14 guns) and HMS Wolf (10 guns), whose captain at the time was Hugh Bromedge.
During the fire, at least 1,900 mortar bombs (weighing 93 - 197 pounds) and 1150 special fire-balls fell on the the city and the shipyard slipways.
The invasion fleet wich was built there was completely destroyed, and also several fires were ignited in the city and the harbor.
At the end of the hostilities, HMS Wolf underwent routine maintenance and repairs, and when the next war began, this time for the independence of the American colonies, she was sent to guard convoys , action against smugglers, as well as force recruitment of naval recruits.
She therefore often visited the ports of Ireland and south-west England, where she was able to employ men off the streets and out of local taverns who were capable of serving in the Royal Navy.
For example – On November 5, 1776 she held "captives" in Fowley. Three years later the same methods were used to provide "recruits" directly to the Royal Navy ships circling the English Channel.
To this day, preserved in the records, are the penalties served out on the HMS Wolf for drunkenness, insubordination and rebellion with the characteristics of inappropriate behavior toward officers. For these transgressions the offenders were threatened with whipping - 12, 24 or more strokes.
In 1781, the sloop HMS Wolf (now aged and leaking) was sold for L262.
Dimensions - HMS Wolf:
length: 75 ft 6 ins
breadth: 28 ft 7 1/2 ins
Armament (1759):
10 x 3 pounder guns
10 x 0,5 pounder swivel guns

Двухмачтовый шлюп Wolf ("Вулф") был небольшим военным судном, предназначенным для поддержки боевых действий. Он имел такелаж, известный как "снек" (snow), и поэтому оснащался дополнительной специальной мачтой, называемой снек-мачтой (snowmast), которая удерживала гафельный парус грот-мачты вместе с гиком.
Построенный на верфи в Чатеме, он был спущен на воду в 1754 году, за два года до начала Семилетней войны.
Эта война дала ему возможность принять участие в одной из эффектных операций британского флота - атаке на Гавр и уничтожении десантных судов, которые строились для вторжения в Англию. На рассвете 7 апреля 1759 года британцы начали обстрел Гавра из пяти бомбардирских судов, принадлежавших эскадре под командованием адмирала Джорджа Родни.
Эта эскадра состояла из 3 линейных кораблей (двухдечных), 3 фрегатов и двух шлюпов: HMS Carcass (14 орудий) и HMS Wolf (10 орудий), капитаном которого в то время был Хью Бромедж.
Во время обстрела по городу и стапелям верфи упало не менее 1900 мортирных бомб (весом 93–197 фунтов) и 1150 специальных зажигательных ядер. Флот вторжения, который там строился, был полностью уничтожен, а также в городе и гавани возникло несколько пожаров.
В конце военных действий HMS Wolf прошел плановое техническое обслуживание и ремонт, а когда началась следующая война, на этот раз за независимость американских колоний, он был отправлен для охраны конвоев, борьбы с контрабандистами, а также принудительного набора морских рекрутов.
Поэтому он часто посещал порты Ирландии и юго-западной Англии, где его команда могла забирать людей с улиц и из местных таверн, способных служить в Королевском флоте.
Например - 5 ноября 1776 года он держал "пленников" в Фоули. Три года спустя те же методы использовались для предоставления "рекрутов" непосредственно на корабли Королевского флота, патрулировавшие Ла-Манш.
По сей день в архивах сохранились записи о наказаниях, применявшихся на HMS Wolf за пьянство, неподчинение и бунт, а также за неуместное поведение по отношению к офицерам. За эти нарушения нарушителям грозила порка плетьми - 12, 24 или более ударов.
В 1781 году шлюп HMS Wolf (к тому времени уже старый и дающий течь) был продан за 262 фунта стерлингов.
Размеры - HMS Wolf:
длина: 75 футов 6 дюймов
ширина: 28 футов 7 1/2 дюймов
Вооружение (1759):
10 x 3-фунтовых орудий
10 x 0,5-фунтовых поворотных орудий (фальконетов)

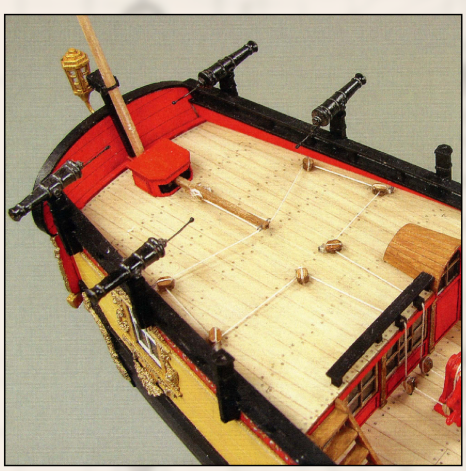
HMS WOLF (1752)



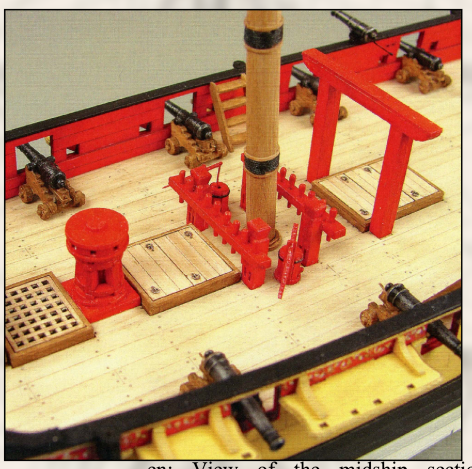
en: Bow section of the ship.
ru: Носовая часть корабля.



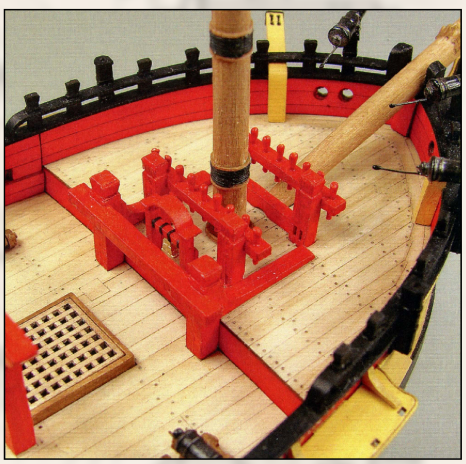
en: Stern mirror, lantern, 0.5-pound falconets.
ru: Кормовое зеркало, фонарь, 0.5-фунтовые фальконеты.



en: Rudder rigging.
ru: Такелаж руля.



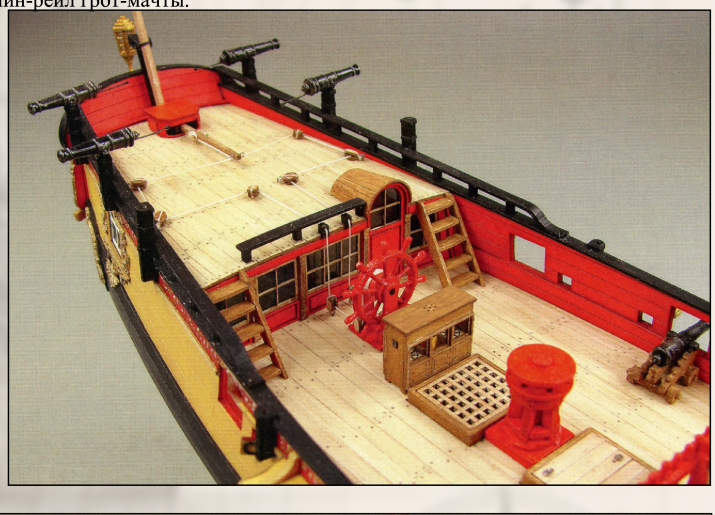
en: Side windows of the stern cabin.
ru: Бортовые окна кормовой каюты.

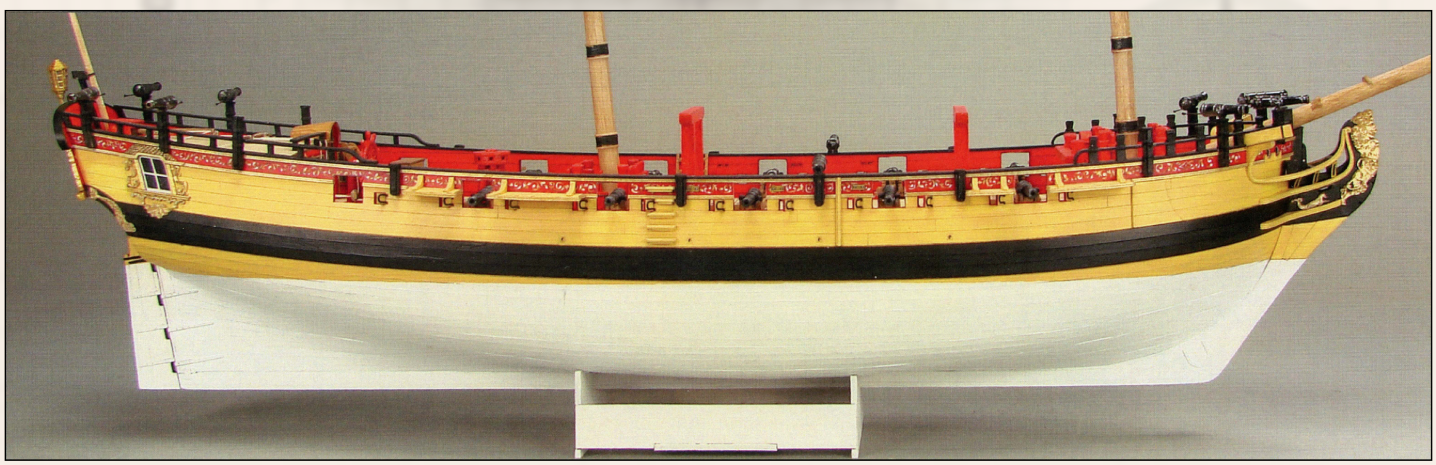


en: View of the midship section, capstan and mainmast pin rail.
ru: Вид на среднюю часть судна, шпиль и пин-рейл грот-мачты.

en: Foredeck, bowsprit mounting.
ru: Носовая палуба, крепление бушприта.







BUILDING INSTRUCTIONS

The model has been developed in a 1:96 scale based on all available historical sources, plans and shipyard drawings from the era. The following guidelines will help you in the proper construction of the model, and also improve the standard of workmanship.

* Assembly of the ship is based on photos and diagrams contained in this issue, in the order in which parts are numbered.
* For any part that requires thickening by gluing onto cardboard, the thickness of the cardboard that should be used is clearly indicated (on the photos and diagrams), to ensure that parts fit together.
* When gluing together the skeleton, close attention should be paid to the perpendicular or parallel positioning of elements relative to each other to prevent warping of the hull.
* After gluing on the longitudinal hull planking, the hull below the waterline can be puttied (eg. with putty PUFAS). Before puttying however, the plank edges should be soaked (sealed) with cyanoacrylate glue (eg. SuperGlue) or clear oil varnish.
* For parts with printed boards/planks on them, score along the printed join lines with a razor blade (to imitate gaps between the boards), and then paint with acrylic paints to imitate wood.
* For all openings (hatches, gunports and other), as well as other parts difficult to cut with scissors, it is best to cut with chisels of different widths.
* Fittings and metal elements (rings, hooks) can be made of copper wire (or iron) and sized according to the supplied templates, then painted to imitate iron.
* For thread and cord, remove unsightly hairs by soaking in varnish.
* For the rigging start with the standing rigging - the lower shrouds, upper shrouds and stays. The next step is to hang the sails on the stays. Then hang the yards and sails with their running rigging.
* Weather the canvas for the sails by dying it in tea essence.
* Sculptures made of polymer clay will be much more authentic.
* The choice is left to the modeller as to the kind of glue to be used (a good glue is a rubber adhesive), as well as the simple tools (scissors, knives, etc. ..)


Roll the element a tight rooll


Roll the element up



Stick up ti required thickness (the number signifies element thickness in millimiters)

ИНСТРУКЦИЯ ПО СБОРКЕ

Модель разработана в масштабе 1:96 на основе всех доступных исторических источников, чертежей и судостроительных рисунков той эпохи. Следующие рекомендации помогут вам правильно собрать модель, а также повысить качество исполнения.

* Сборка корабля производится по фотографиям и схемам, содержащимся в данном выпуске, в порядке нумерации деталей.
* Для любой детали, требующей утолщения путём наклеивания на картон, толщина используемого картона чётко указана (на фотографиях и схемах) для обеспечения правильной подгонки деталей.
* При склеивании набора корпуса следует уделять особое внимание перпендикулярному или параллельному позиционированию элементов относительно друг друга для предотвращения коробления корпуса.
* После приклеивания продольной обшивки корпуса, часть корпуса ниже ватерлинии может быть зашпатлёвана (например, шпатлёвкой PUFAS). Перед шпатлеванием края досок следует пропитать (загерметизировать) цианоакрилатным клеем (например, SuperGlue) или прозрачным масляным лаком.
* Для деталей с напечатанными досками/планками сделайте надрезы по напечатанным линиям стыков лезвием бритвы (для имитации зазоров между досками), а затем покрасьте акриловыми красками для имитации дерева.
* Для всех отверстий (люков, орудийных портов и других), а также других деталей, которые трудно вырезать ножницами, лучше всего использовать стамески разной ширины.
* Фурнитура и металлические элементы (кольца, крюки) могут быть изготовлены из медной проволоки (или железной) и подогнаны по размеру согласно прилагаемым шаблонам, затем покрашены для имитации железа.
* Для нитей и шнуров удалите некрасивые ворсинки, замочив их в лаке.
* Для такелажа начните с бегучего такелажа - нижние и верхние ванты, штаги. Следующий шаг - подвеска парусов на штагах. Затем подвесьте реи и паруса с их бегучим такелажем.
* Состарьте парусину для парусов, окрасив её в чайном растворе.
* Скульптуры из полимерной глины будут выглядеть гораздо более аутентично.
* Выбор типа клея остаётся за моделистом (хороший клей - резиновый клей), а также простых инструментов (ножницы, ножи и т.д.).


Деталь сделать плотной скруткой


Деталь скрутить



Подклеить деталь на бумагу до получения указанной толщины в мм

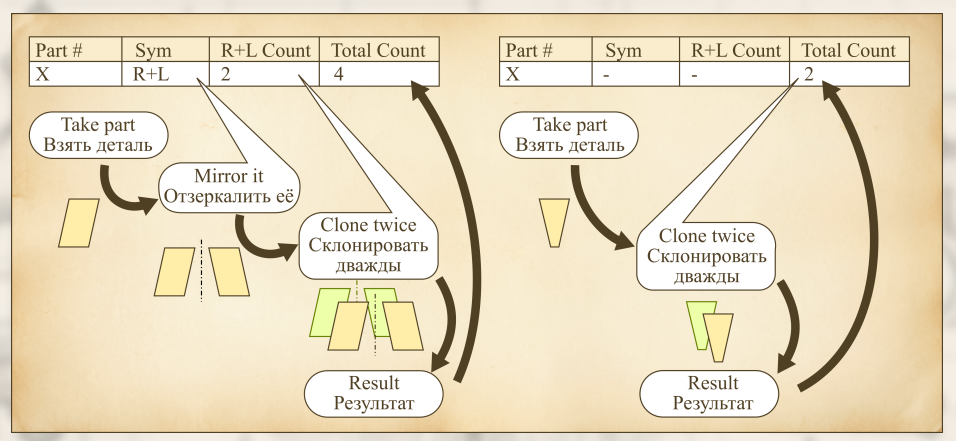
HMS Wolf: Aftermarket / Афтермаркет

Elements / Элементы



en: The Bill Of Materials for this model available for 3D printing
ru: Ведомость элементов, которые доступны для печати для данной модели

Part #	Sym	R+L Count	Total Count
figurehead	-	-	1
166	R+L	1	2
167	-	-	1
168	R+L	1	2
169	R+L	1	2
170	R+L	1	2
171	R+L	1	2
172	R+L	1	2
173	R+L	1	2
174a	R+L	1	2
221	-	-	2
222	-	-	2
223	-	-	1
L1	-	-	10
L2	-	-	10

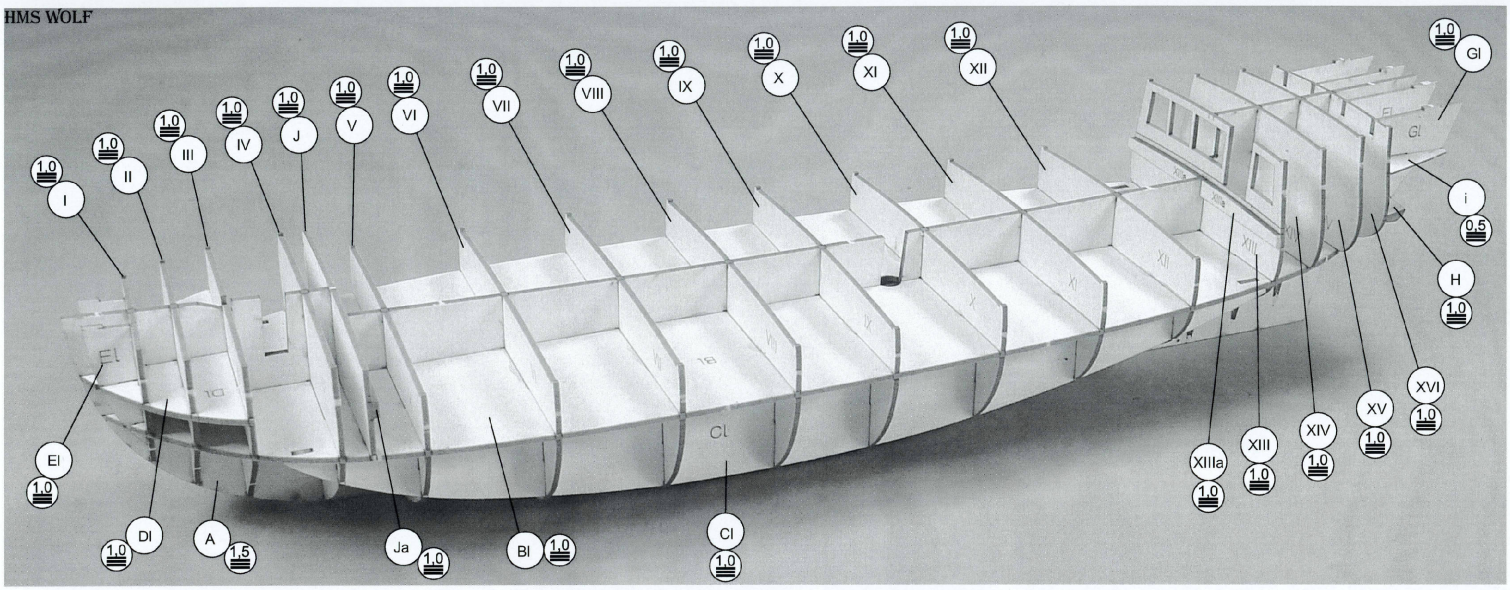


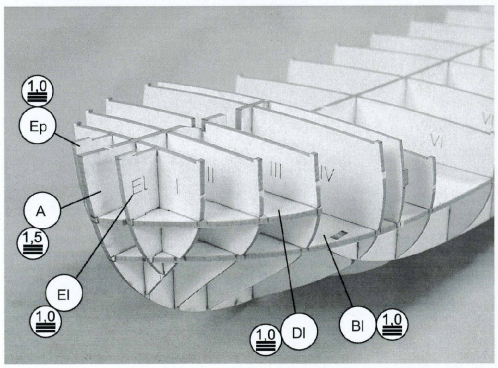
Rigging / Такелаж

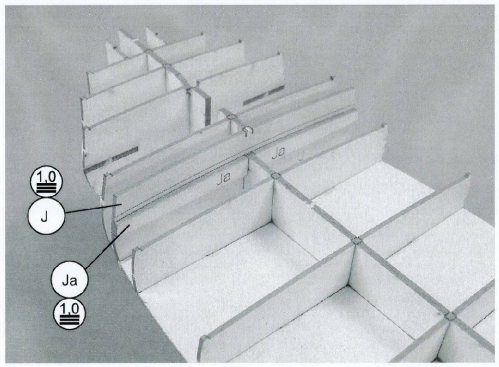
en: The Bill Of Materials of rigging elements for this model available for 3D printing
ru: Ведомость элементов такелажа, которые доступны для печати для данной модели

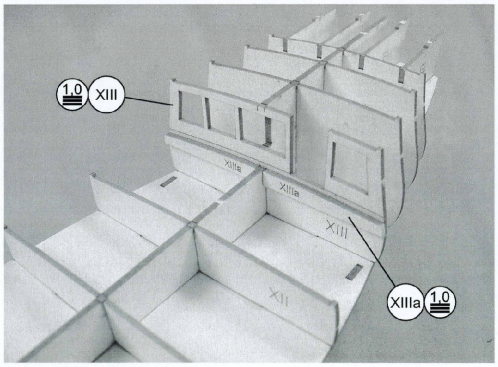
Part #	Count	Sets	Description
B1	120	12	Single block 2.0mm
B2	40	4	Single block 2.5mm
B3	4	1	Single block 3.0mm
B4	9	1	Single block 3.5mm
B5	4	1	Long tackle block 4.0mm
B6	20	2	Buntline block 3.0mm
B7	15	2	Double block 2.0mm
B8	2	1	Double block 3.0mm
J1	36	4	Deadeye 3.0mm
J1	40	4	Deadeye 2.0mm
K1	2	1	Duck 2.5mm
K2	21	3	Duck 3.0mm
K3	28	3	Duck 4.5mm
S1	2	1	Heart block 3.5mm
S1	4	1	Heart block 3.0mm
S3	10	1	Heart block 2.5mm

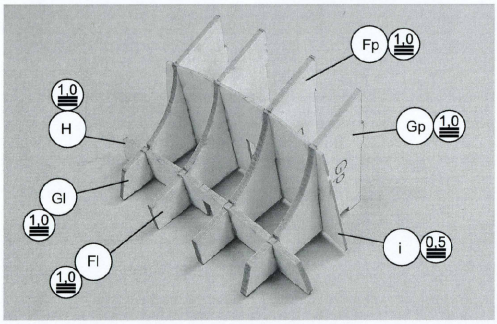
HMS WOLF

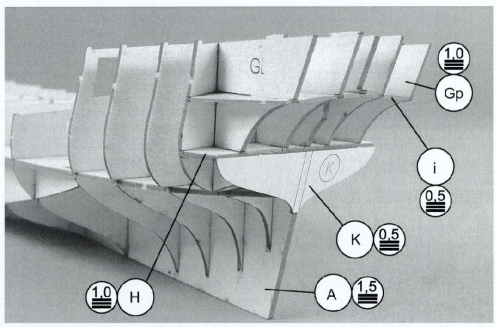

I
II
III
IV
J
V
VI
VII
VIII
IX
X
XI
XII
Gl
i
H
XVI
XV
XIV
XIII
XIIIa
El
Dl
A
Ja
Bl
Cl

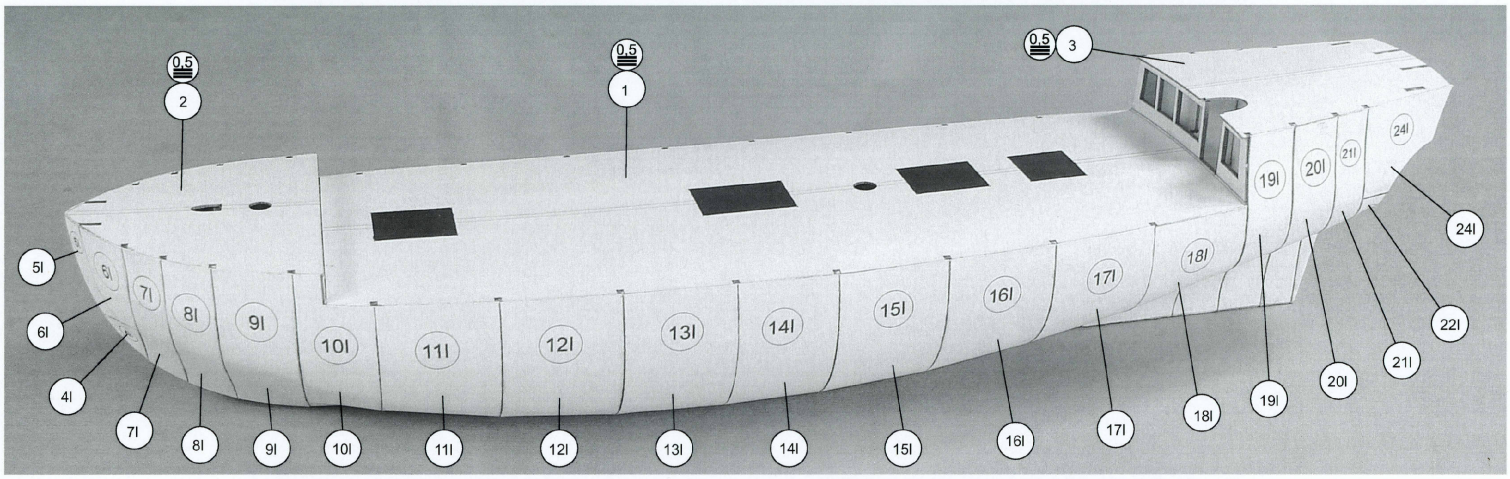

Ep
A
El
Dl
Bl

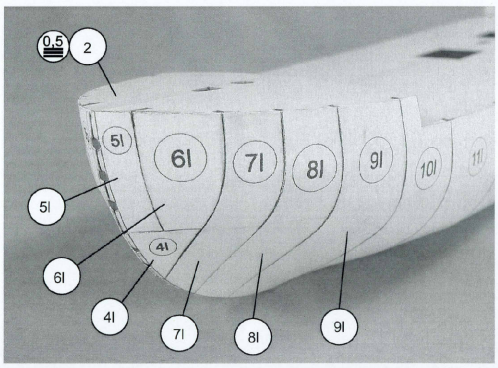

J
Ja

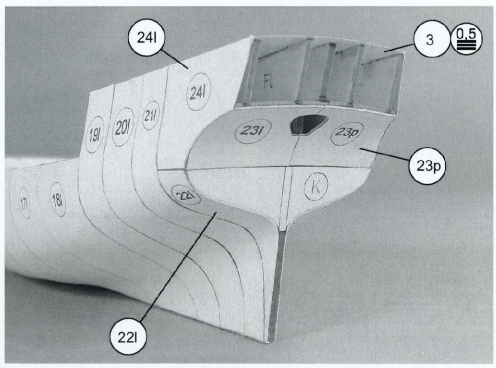

XIII
XIIIa

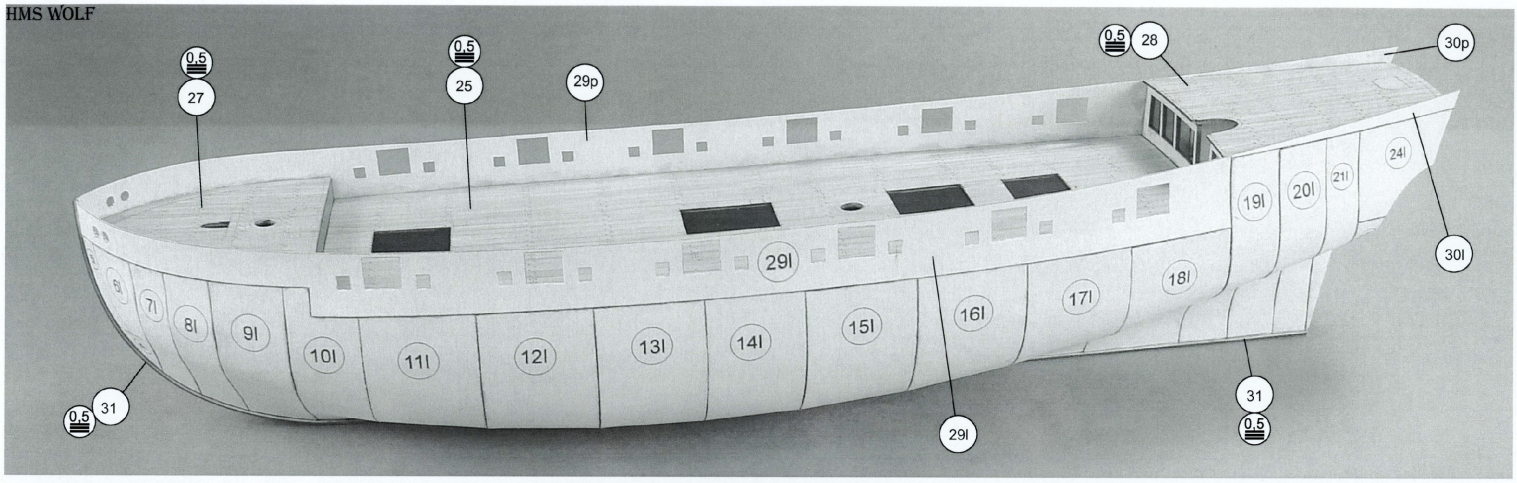

Fp
H
Gp
Gl
Fl
i

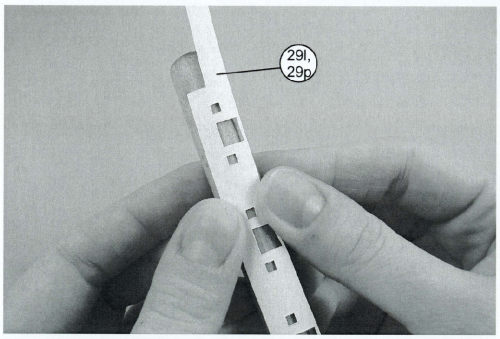

Gl
Gp
i
K
H
A

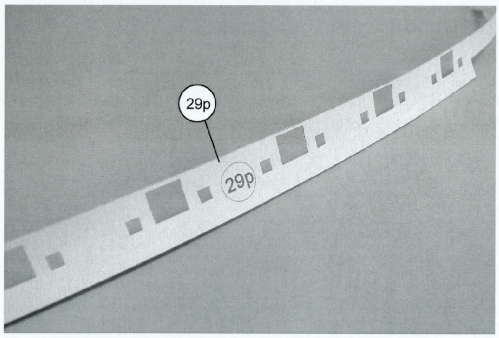

1
2
3
4l
5l
6l
7l
8l
9l
10l
11l
12l
13l
14l
15l
16l
17l
18l
19l
20l
21l
22l
24l

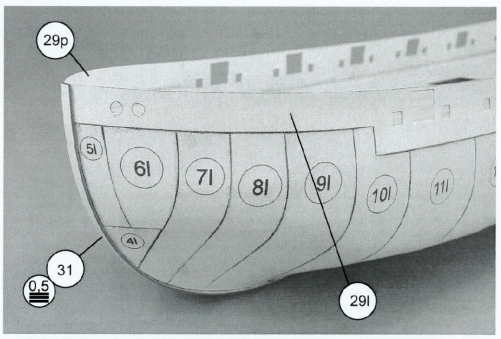

2
5l
6l
4l
7l
8l
9l

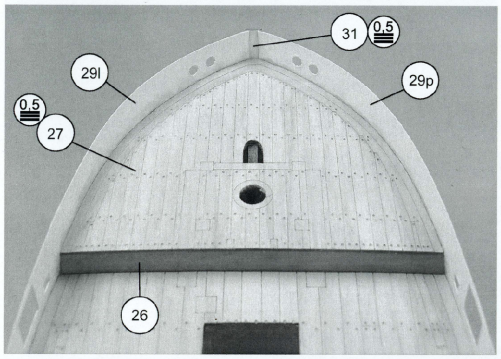

24l
3
23l
23p
22l

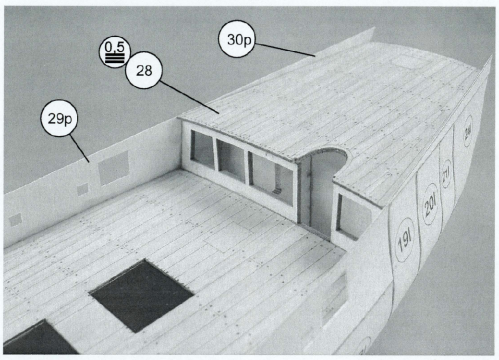

0.5
27
0.5
25
29p
0.5
28
30p
5l
6l
7l
8l
9l
10l
11l
12l
13l
14l
15l
16l
17l
18l
19l
20l
21l
24l
29l
30l
31
0.5
29l
31
0.5

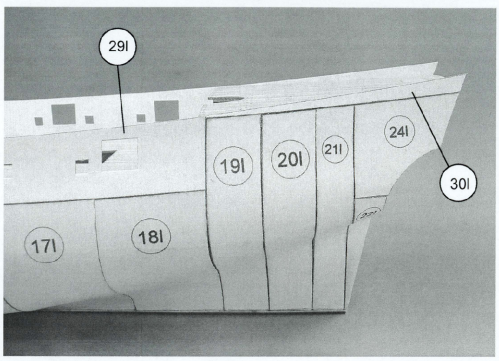

29l,
29p

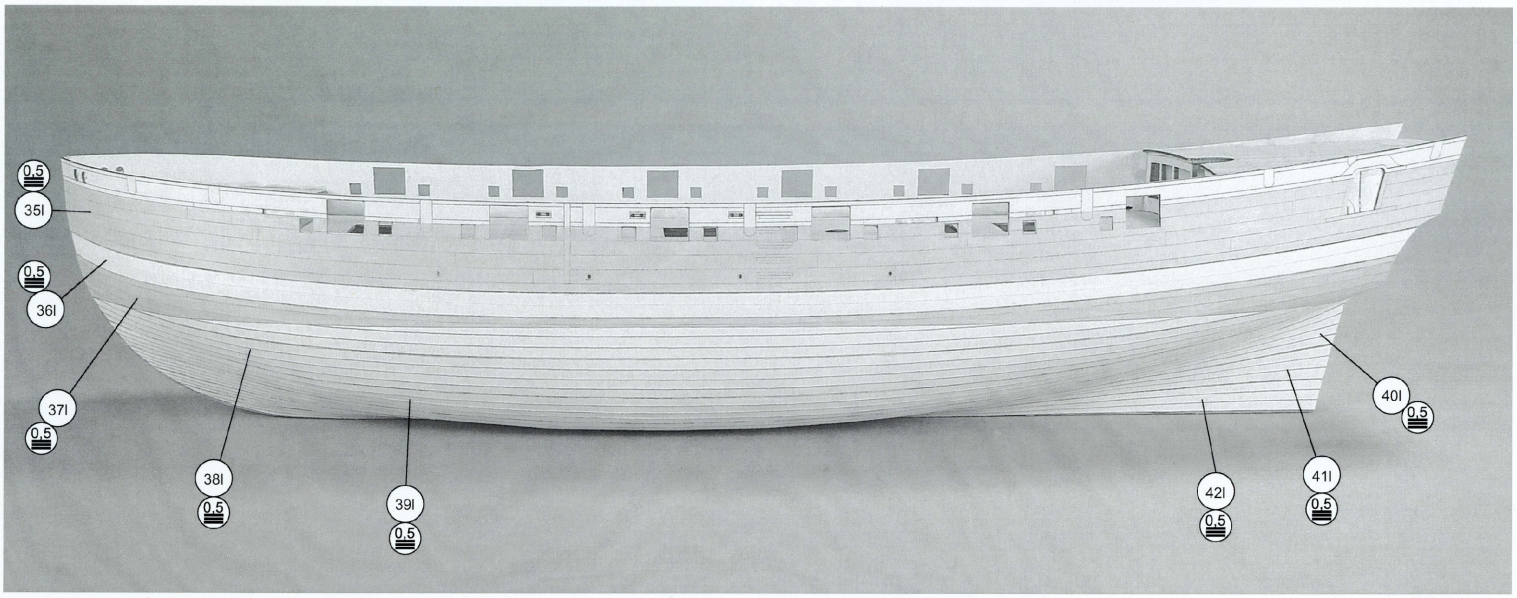

29p
29p

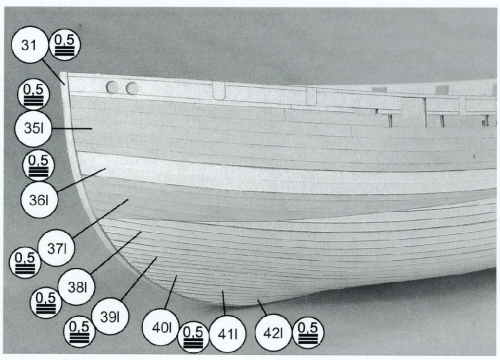

29p
5l
6l
7l
8l
9l
10l
11l
4l
31
0.5
29l

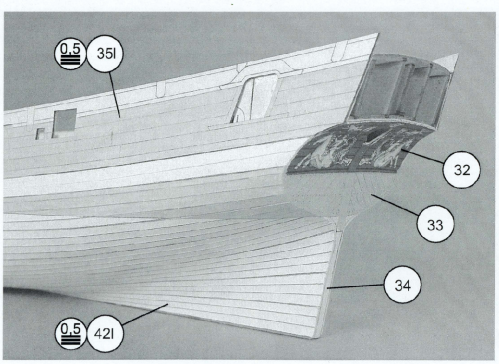

31
0.5
29l
29p
0.5
27
26

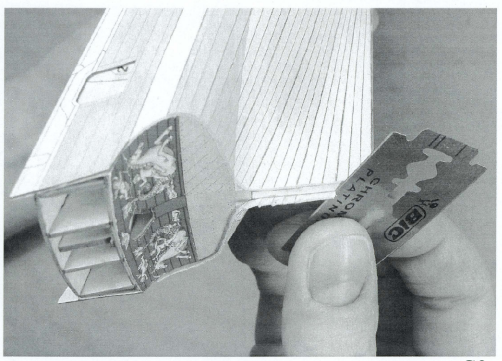

0.5
28
30p
29p
19l
20l
21l


29l
19l
20l
21l
24l
30l
17l
18l

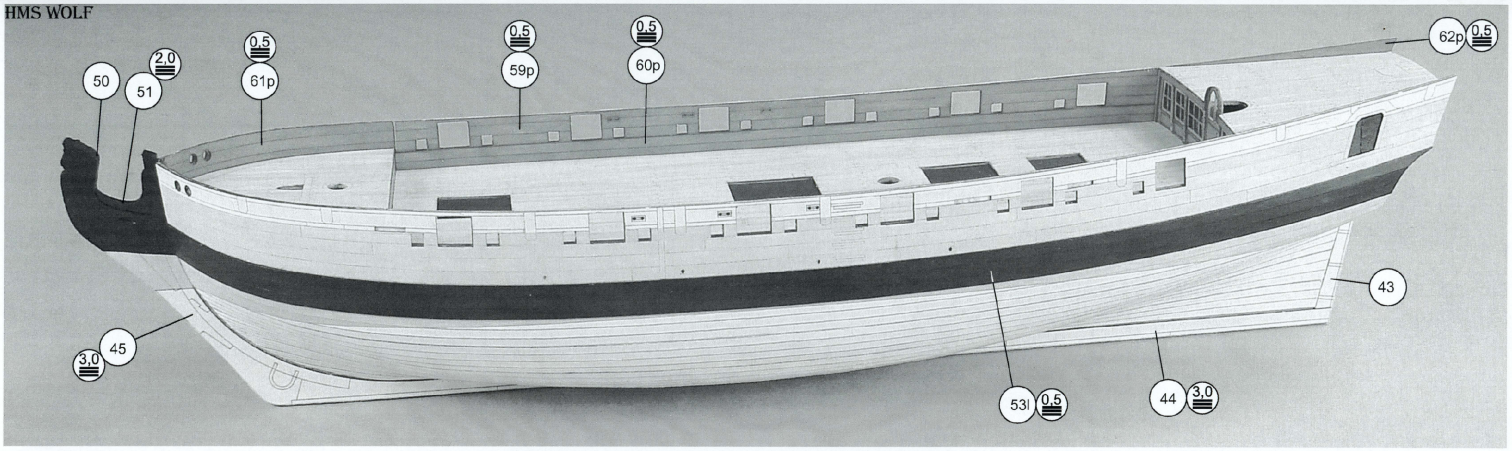

0.5
35l
0.5
36l
37l
0.5
38l
0.5
39l
0.5
40l
0.5
42l
0.5
41l
0.5

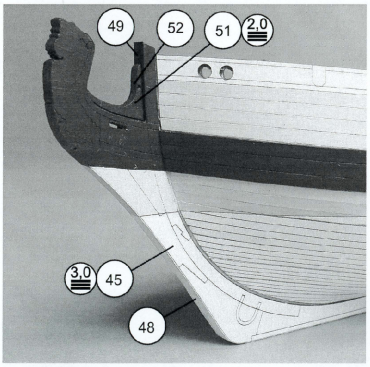

31
0.5
0.5
35l
0.5
36l
37l
0.5
38l
0.5
39l
40l
0.5
41l
42l
0.5

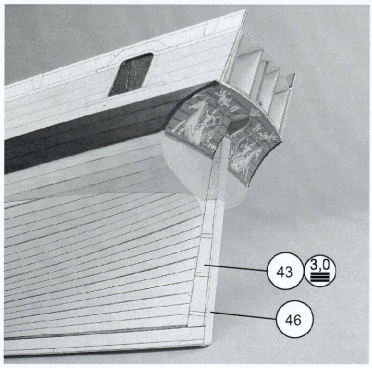

0.5
35l
32
33
34
0.5
42l

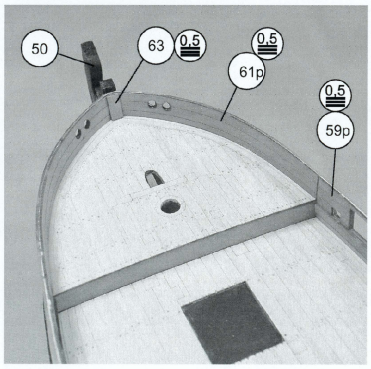

ETCHED
PARTS

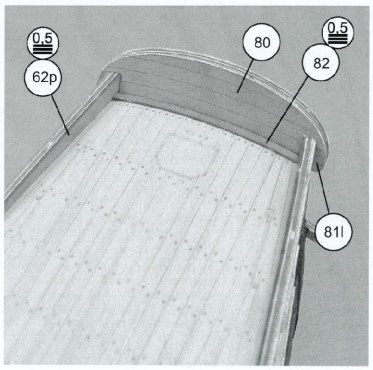
HMS WOLF

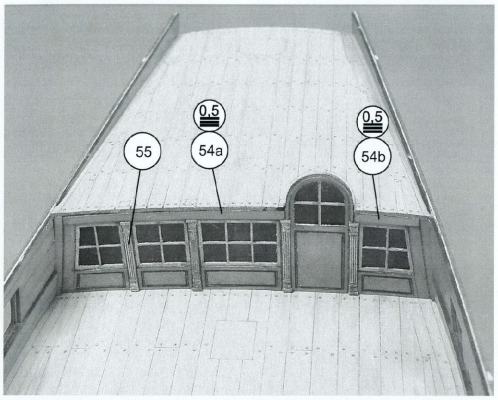

50
51
2.0
0.5
61p
0.5
59p
0.5
60p
62p
0.5
43
45
3.0
53l
0.5
44
3.0

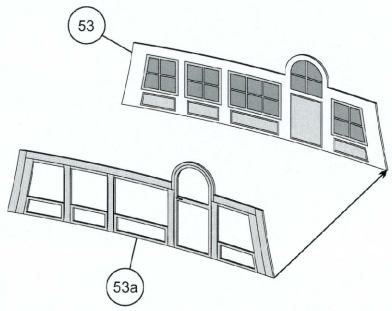

49
52
51
2.0
3.0
45
48

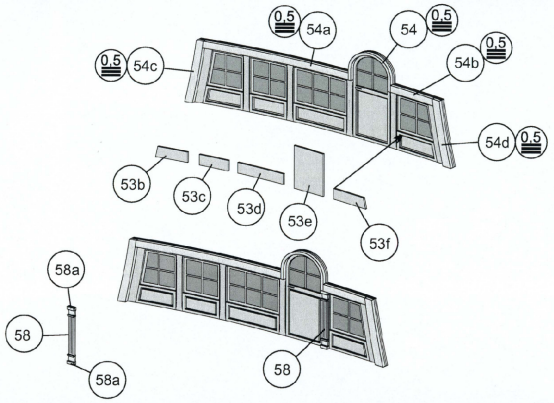

43
3.0
46

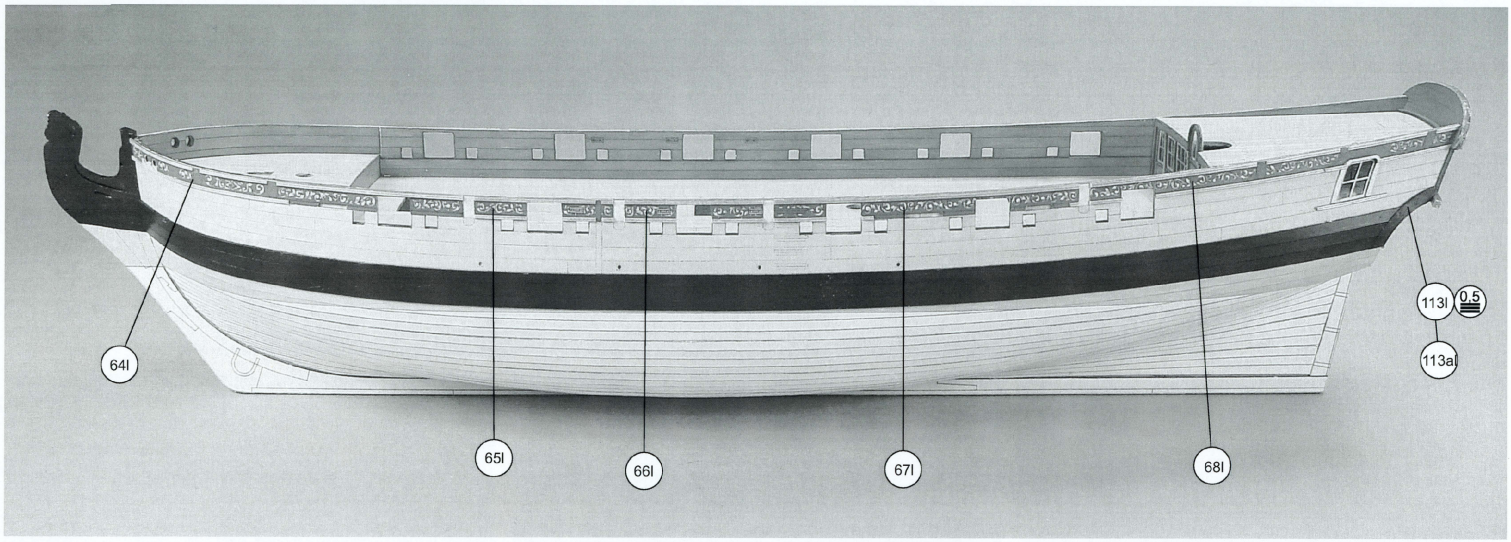

50
63
0.5
0.5
61p
0.5
59p

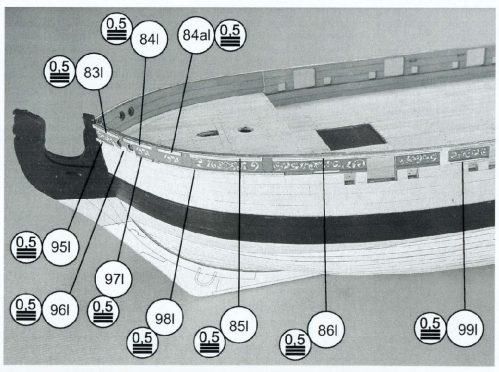

0.5
62p
80
0.5
82
81l

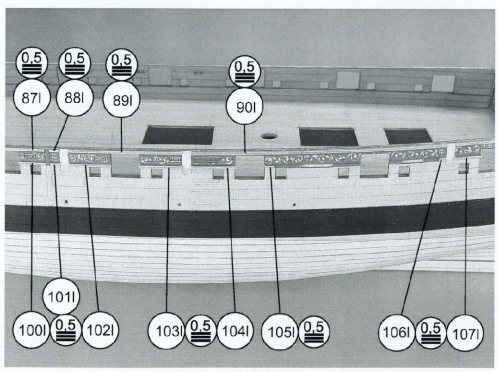

0.5
55
54a
0.5
54b

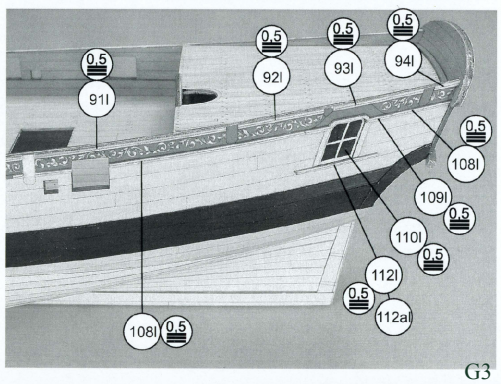

53
53a

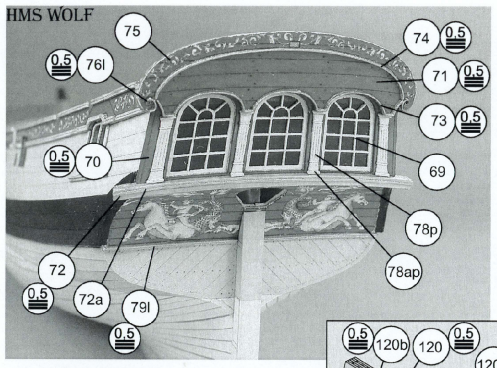

0.5
54a
54
0.5
0.5
54c
54b
0.5
54d
0.5
53b
53c
53d
53e
53f
58a
58
58a
58

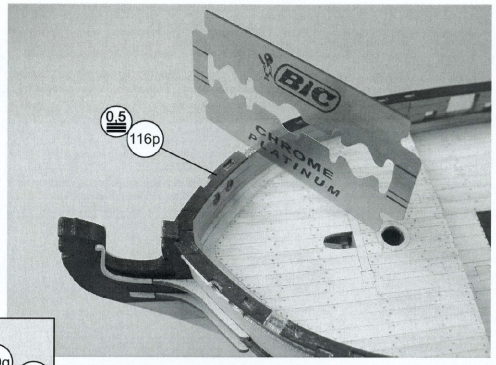

64l
65l
66l
67l
68l
113l
0.5
113al

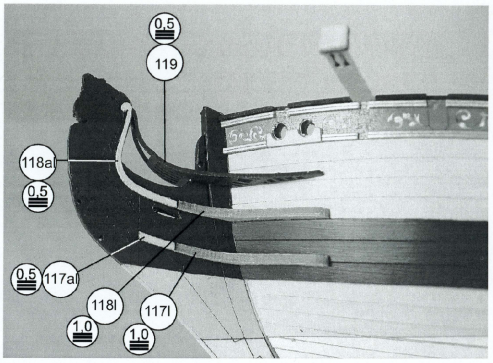

0.5
84l
84al
0.5
0.5
83l
0.5
95l
97l
0.5
96l
0.5
98l
0.5
85l
0.5
86l
0.5
99l

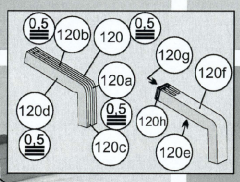

0.5
87l
0.5
88l
0.5
89l
0.5
90l
101l
100l
0.5
102l
103l
0.5
104l
105l
0.5
106l
0.5
107l


0.5
91l
0.5
92l
0.5
93l
0.5
94l
0.5
108l
109l
0.5
110l
0.5
112l
0.5
112al
108l
0.5

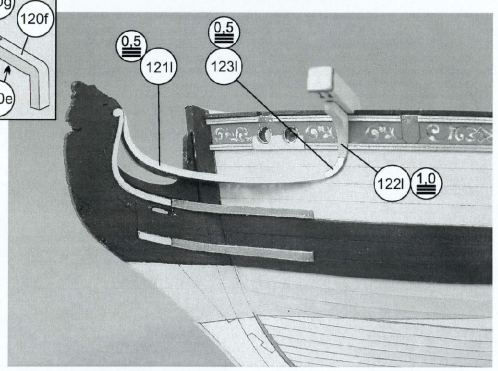

HMS WOLF
75
74
0,5
0,5
76l
71
0,5
73
0,5
0,5
70
69
78p
72
78ap
0,5
72a
79l
0,5

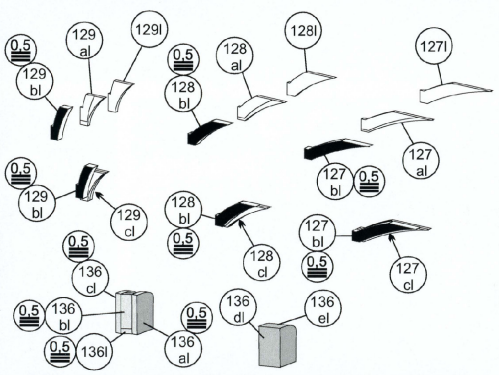

BIC
CHROME PLATINUM
0,5
116p

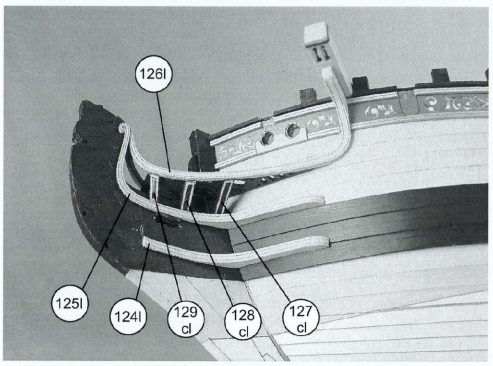

0,5
119
118a
0,5
0,5
117a
118l
117l
1,0
1,0

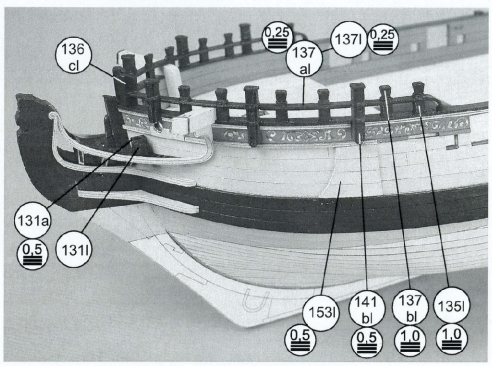

0,5
120b
120
0,5
120g
120f
120a
120d
0,5
120h
0,5
120c
120e

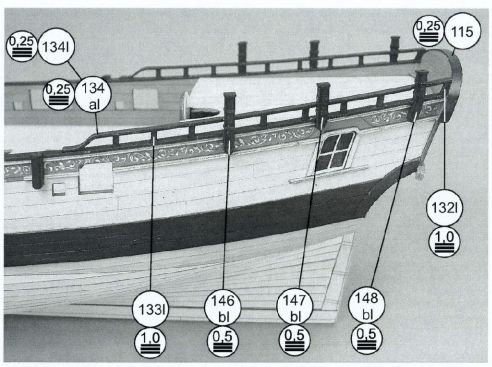
120h
0,5
120d
120f

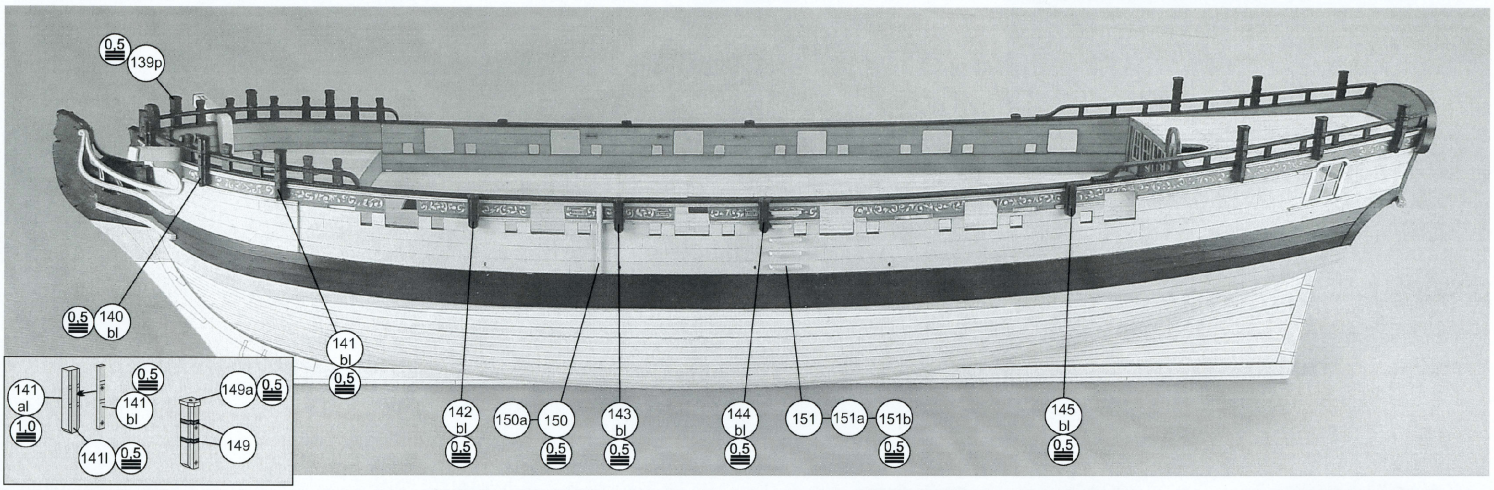

0,5
121l
0,5
123l
122l
1,0

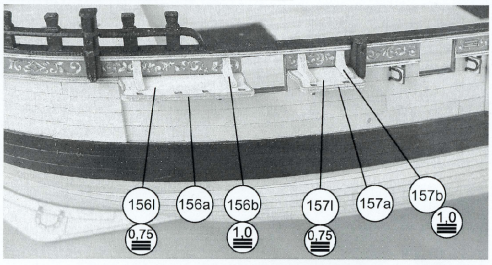

0,5
129 al
129l
0,5
128 al
128l
127l
129 bl
128 bl
127 al
0,5
127 bl
0,5
0,5
129 bl
129 cl
128 bl
0,5
128 cl
127 bl
0,5
127 cl
0,5
136 cl
0,5
136 bl
0,5
136 dl
136 el
0,5
136l
136 al

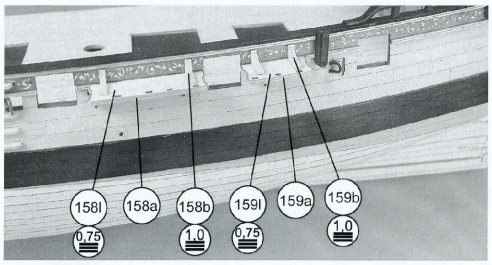

126l
125l
124l
129 cl
128 cl
127 cl

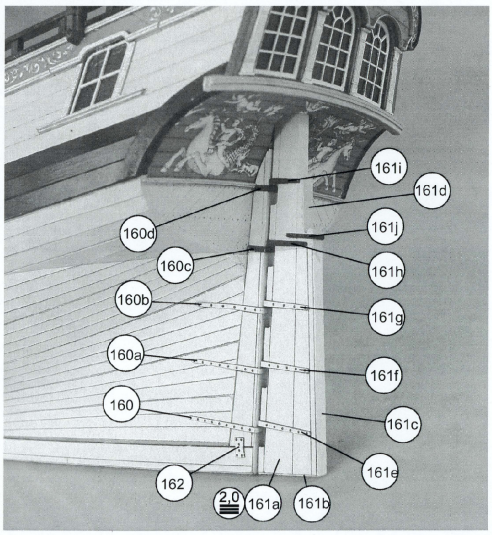

136 cl
0,25
137 al
137l
0,25
131a
0,5
131l
153l
141 bl
137 bl
135l
0,5
0,5
1,0
1,0

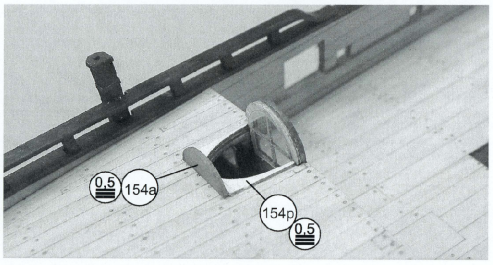

0,25
134l
0,25
134 al
0,25
115
132l
1,0
133l
146 bl
147 bl
148 bl
1,0
0,5
0,5
0,5

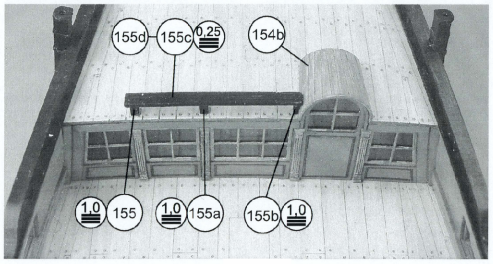

0,5
139p
0,5
140 bl
141 bl
0,5
142 bl
0,5
150a
150
0,5
143 bl
0,5
144 bl
0,5
151
151a
151b
0,5
145 bl
0,5
141 al
1,0
0,5
141 bl
141l
0,5
149a
0,5
149

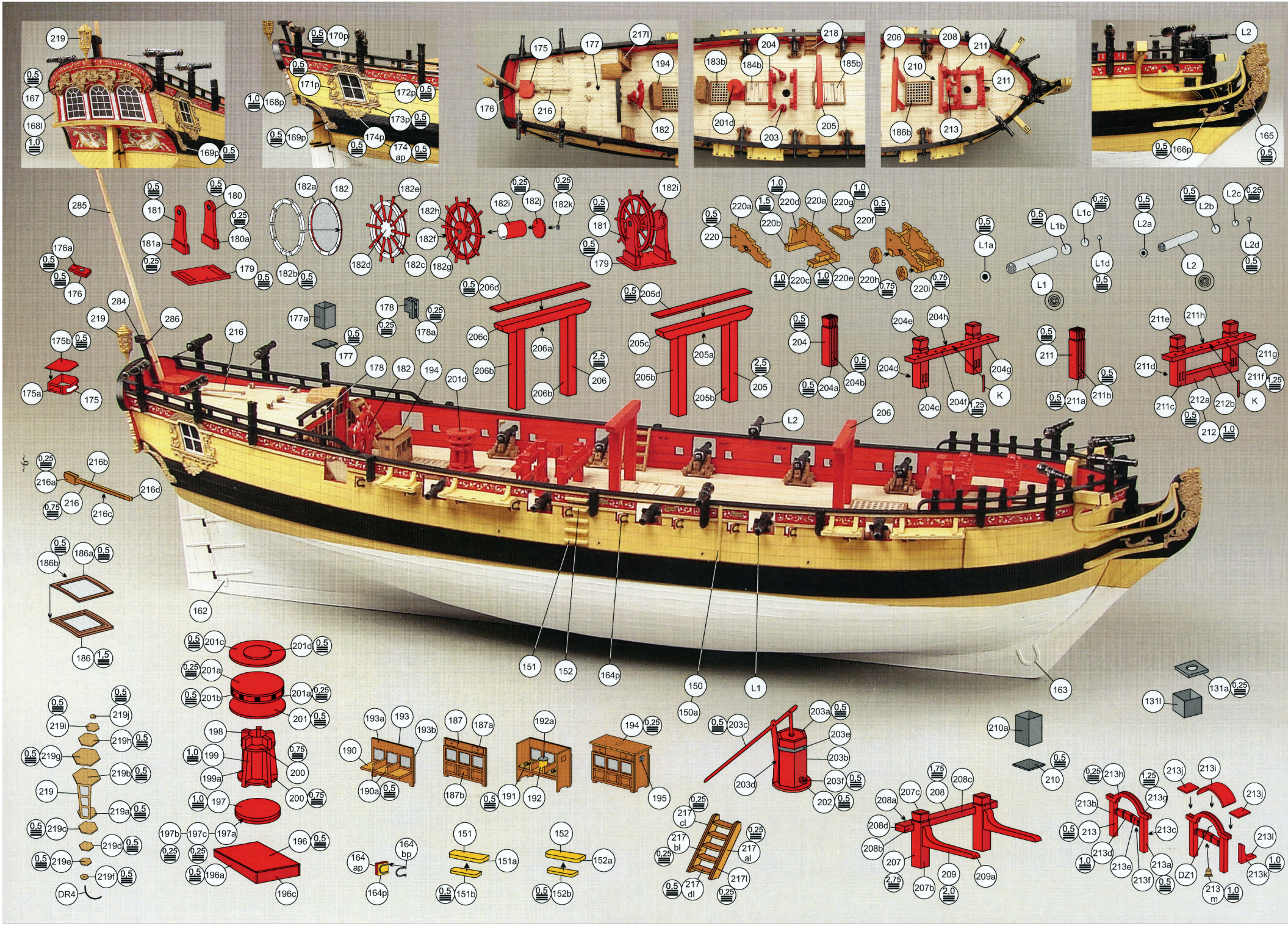

156l
156a
156b
157l
157a
157b
0,75
1,0
0,75
1,0

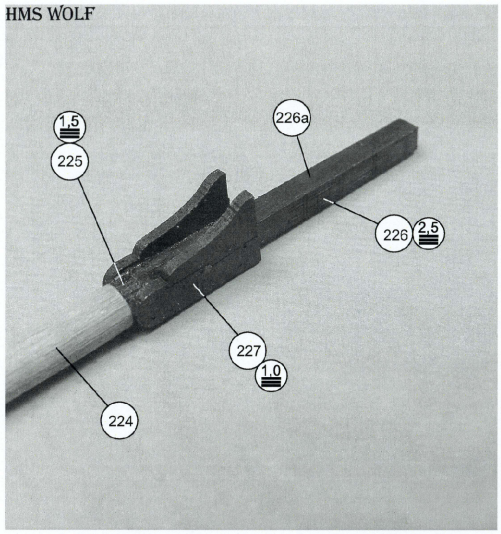

158l
158a
158b
159l
159a
159b
0,75
1,0
0,75
1,0

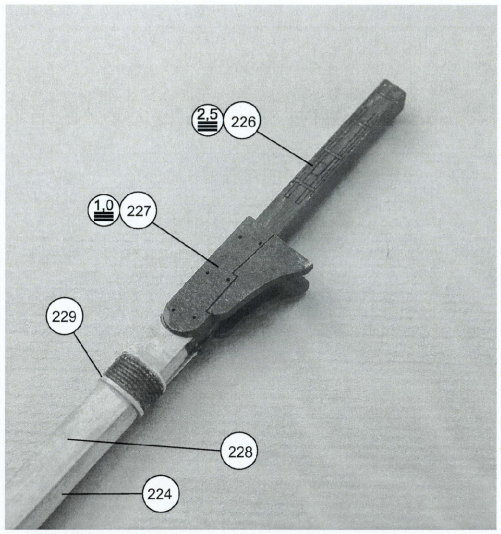

161i
161d
160d
161j
160c
161h
160b
161g
160a
161f
160
161c
161e
162
2,0
161a
161b

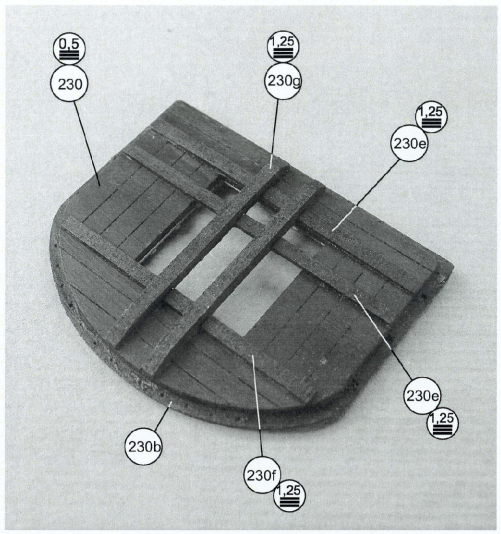

0,5
154a
154p
0,5

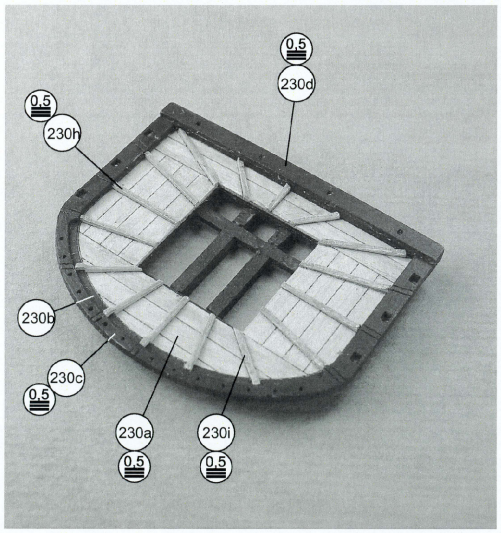

155d
155c
0,25
154b
1,0
155
1,0
155a
155b
1,0

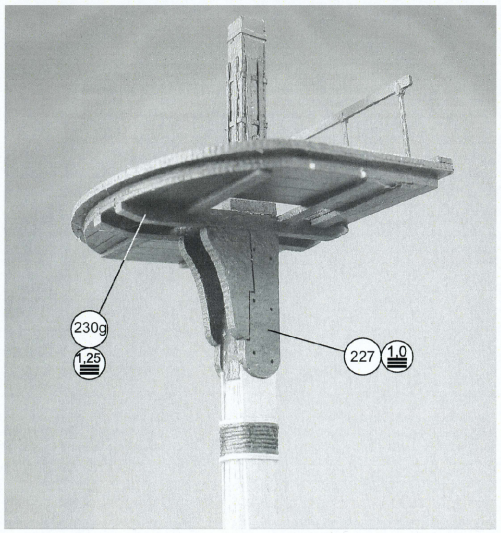

219
167
168l
169p
170p
171p
172p
173p
174p
174 ap
168p
169p
175
176
177
217l
194
216
182
183b
184b
204
218
185b
201d
203
205
206
208
210
211
186b
213
L2
165
166p
285
180
180a
179
181
181a
182a
182
182b
182e
182h
182f
182c
182g
182d
182i
182j
182k
220a
220
220d
220b
220c
220g
220f
220e
220h
220i
L1a
L1b
L1c
L1d
L1
L2a
L2b
L2c
L2d
L2
176a
284
286
175b
175a
177a
178
178a
206d
206c
206a
206b
205d
205c
205a
205b
205
204
204a
204b
204e
204h
204d
204g
204c
204f
K
211e
211h
211g
211d
211f
211c
212a
212b
212
216b
216a
216c
216d
186
186a
162
151
152
164p
150
150a
L1
163
131l
131a
201c
201d
201a
201b
201
198
199
199a
200
197
197b
197c
197a
196
196a
196c
193a
193
193b
190
190a
187
187a
187b
192a
191
192
194
195
203a
203c
203e
203b
203f
203d
202
210a
210
213h
213b
213
213d
213c
213g
213e
213a
213f
213j
213i
DZ1
213l
213k
213m
208
208c
208a
208d
208b
207
207c
207b
209
209a
217 cl
217 bl
217 dl
217 al
217l
164 ap
164 bp
164p
151
151a
151b
152
152a
152b
219
219j
219i
219h
219g
219b
219a
219c
219d
219e
219f
DR4
G5

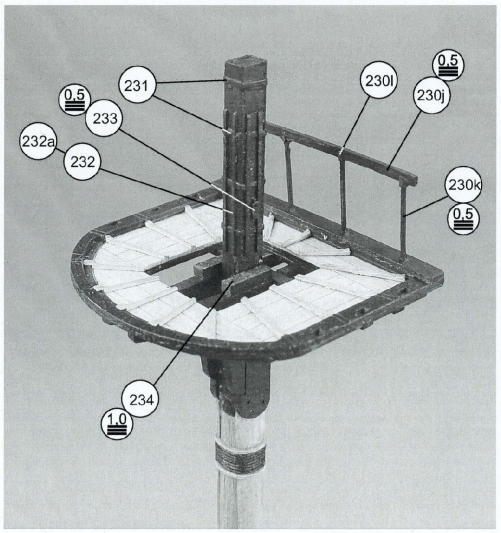

1,5
225
226a
226
2,5
227
1,0
224

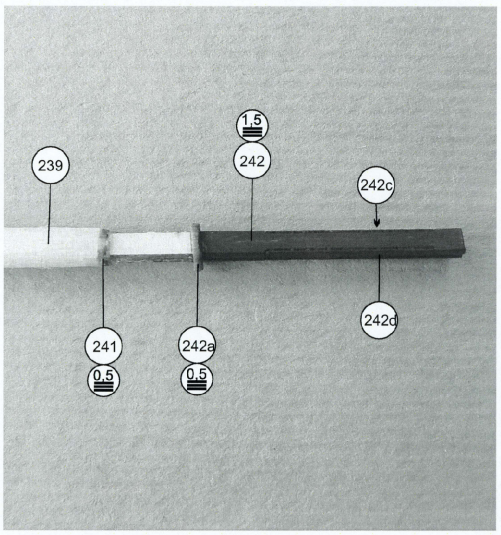

2,5
226
1,0
227
229
228
224

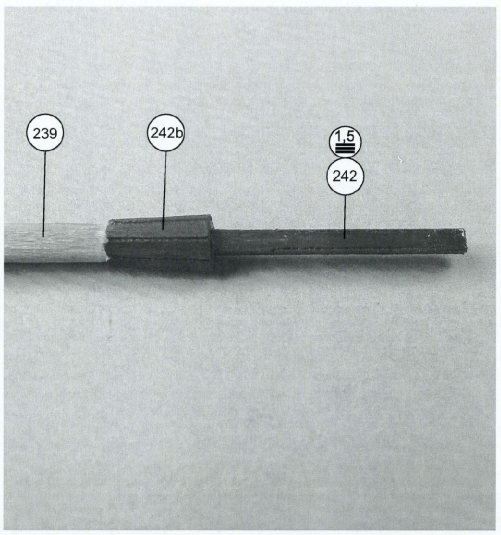

0,5
230
1,25
230g
1,25
230e
230e
1,25
230b
230f
1,25

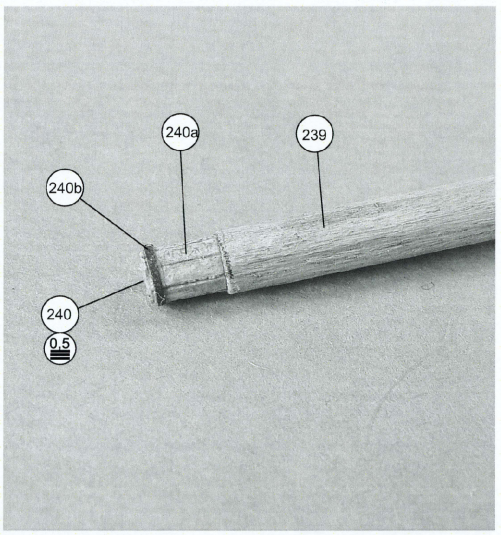

0,5
230d
0,5
230h
230b
230c
0,5
230a
0,5
230i
0,5

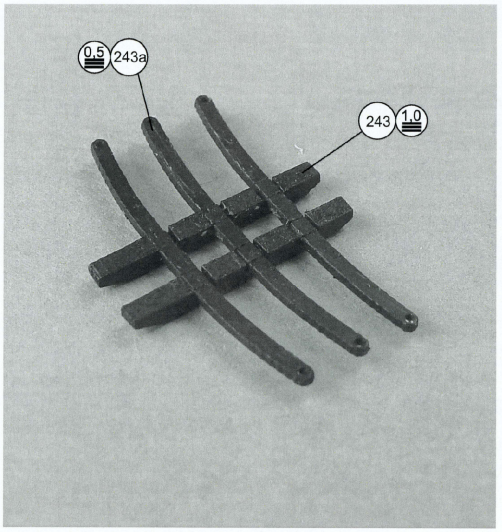

230g
1,25
227
1,0

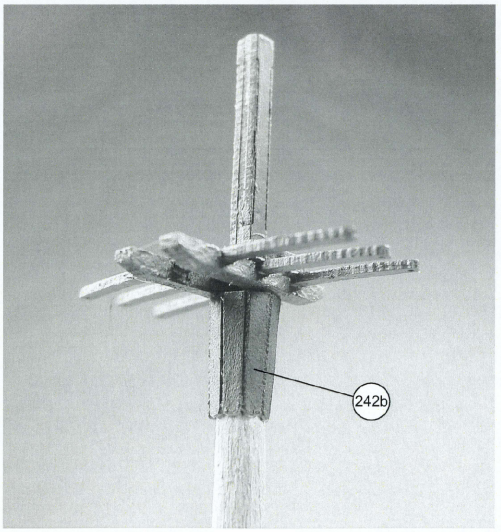

231
230l
0,5
230j
0,5
233
232a
232
230k
0,5
234
1,0

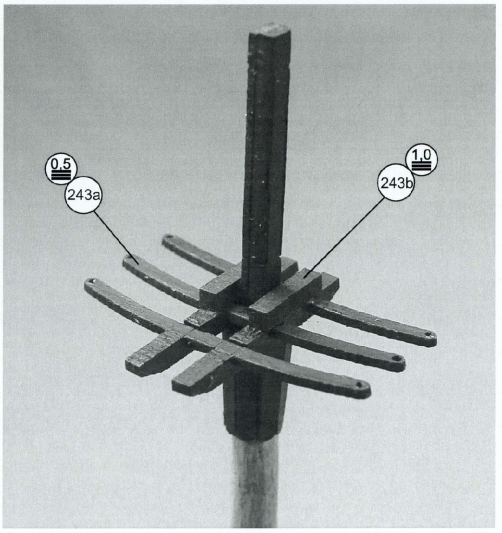

239
1,5
242
242c
241
0,5
242a
0,5
242d

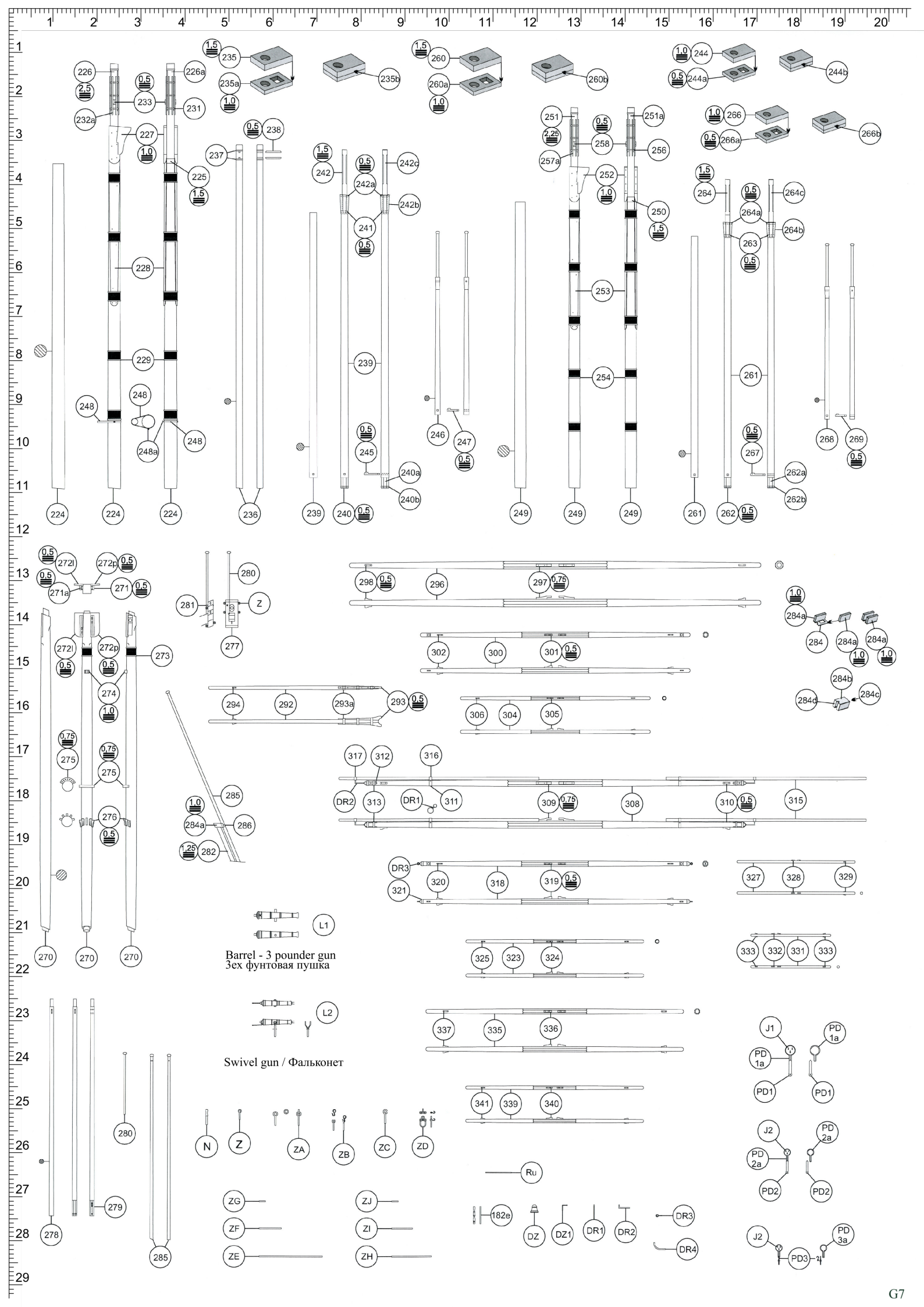

239
242b
1,5
242


240a
239
240b
240
0,5


0,5
243a
243
1,0

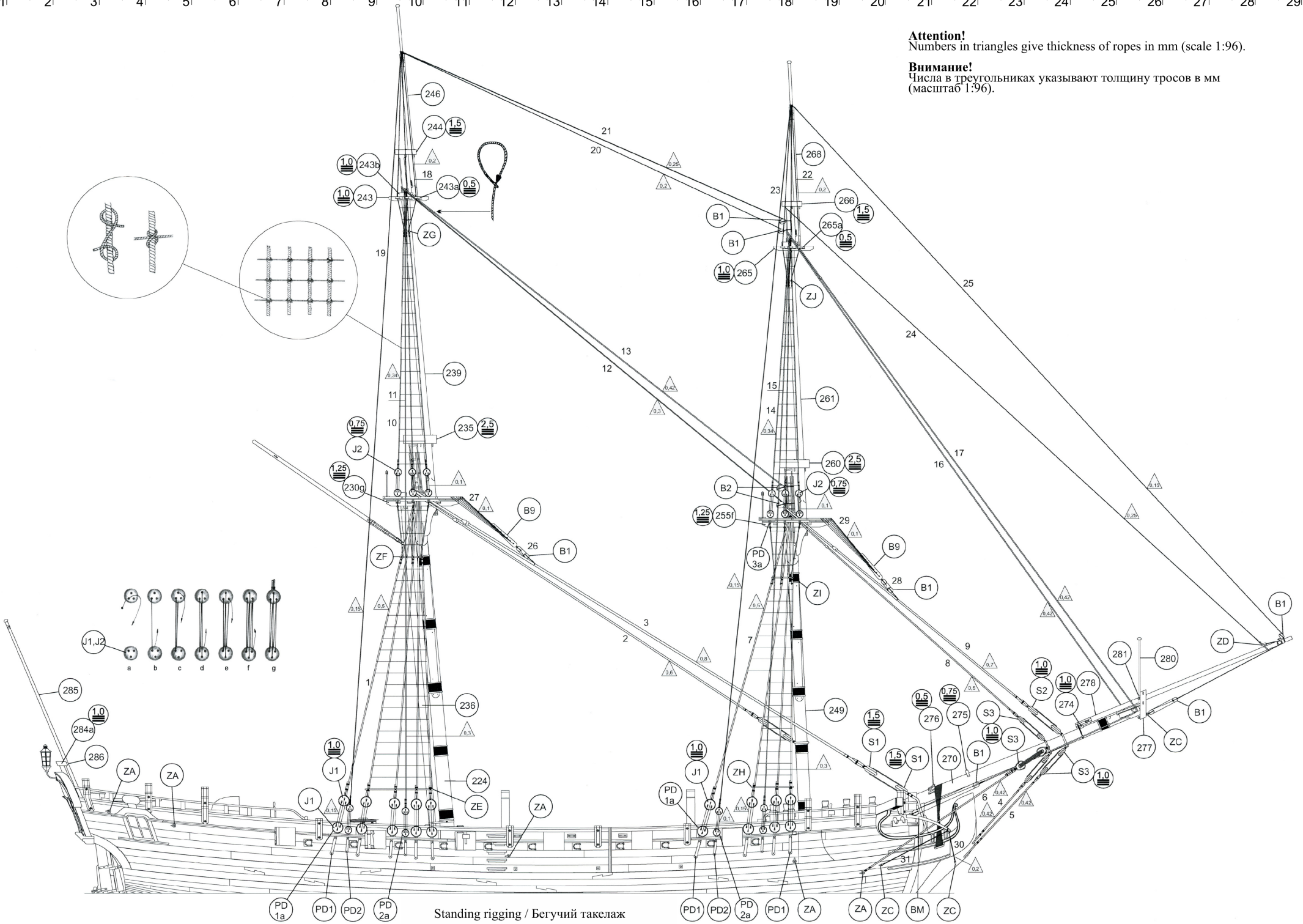

242b


0,5
243a
1,0
243b

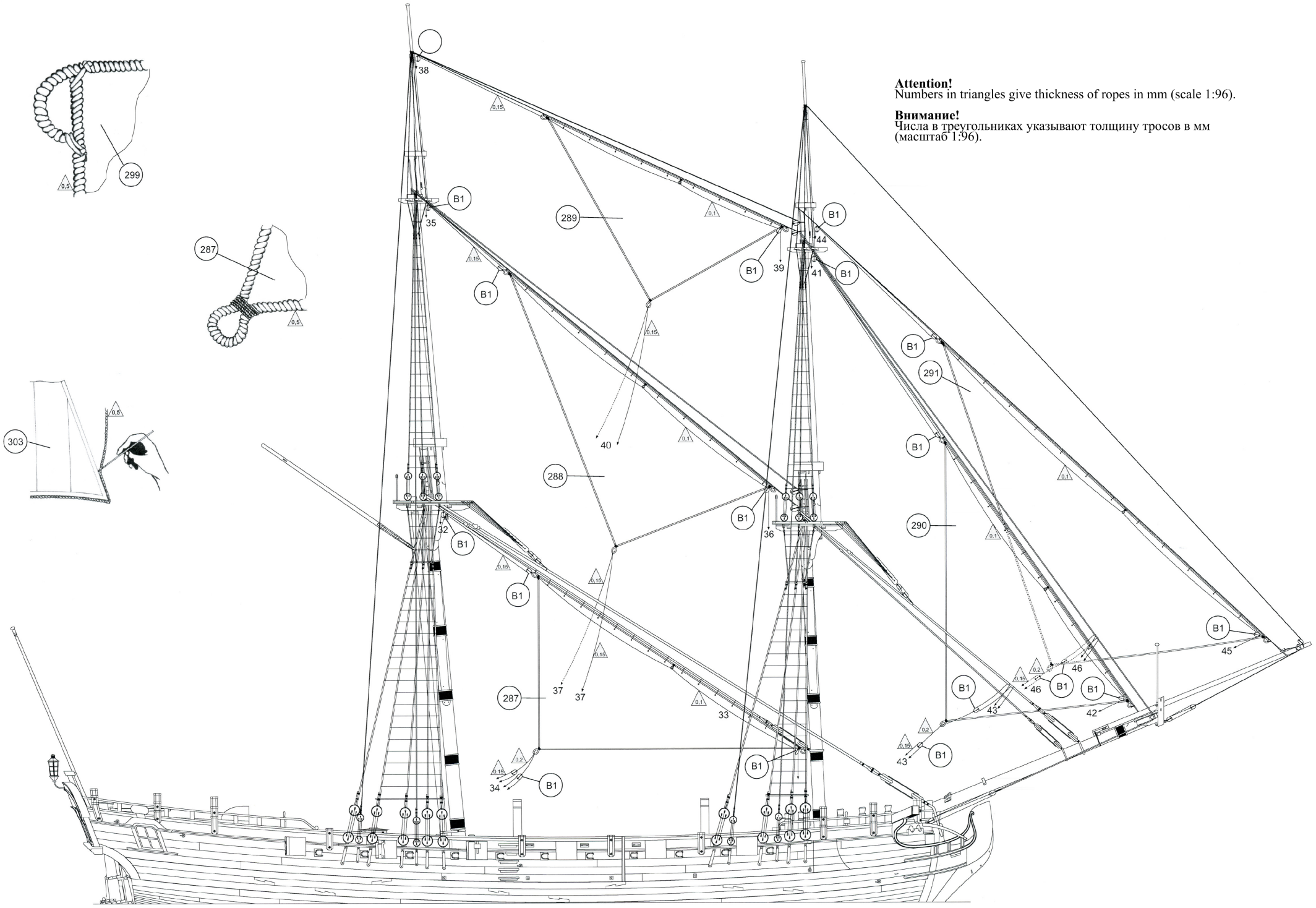

Barrel - 3 pounder gun
3ех фунтовая пушка
Swivel gun / Фальконет

Attention!
Numbers in triangles give thickness of ropes in mm (scale 1:96).

Внимание!
Числа в треугольниках указывают толщину тросов в мм (масштаб 1:96).



Standing rigging / Бегучий такелаж



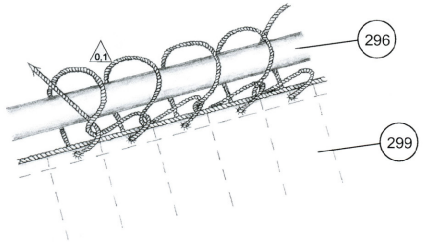
Attention!
Numbers in triangles give thickness of ropes in mm (scale 1:96).

Внимание!
Числа в треугольниках указывают толщину тросов в мм (масштаб 1:96).

Rigging f the fore and aft sails / Оснастка передних и задних парусов

Attention!
Numbers in triangles give thickness of ropes in mm (scale 1:96).

Внимание!
Числа в треугольниках указывают толщину тросов в мм (масштаб 1:96).

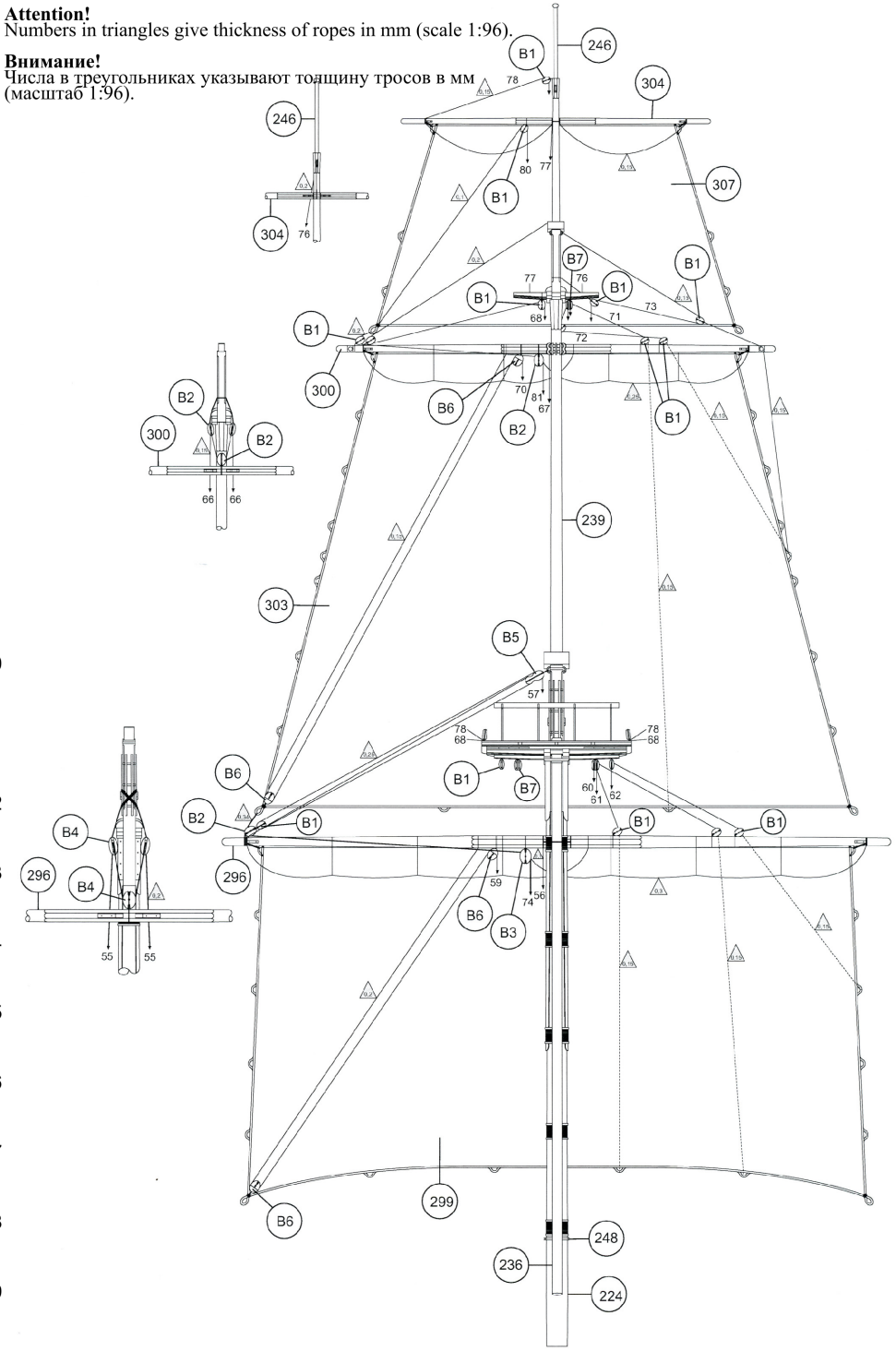


Running rigging / Бегучий такелаж

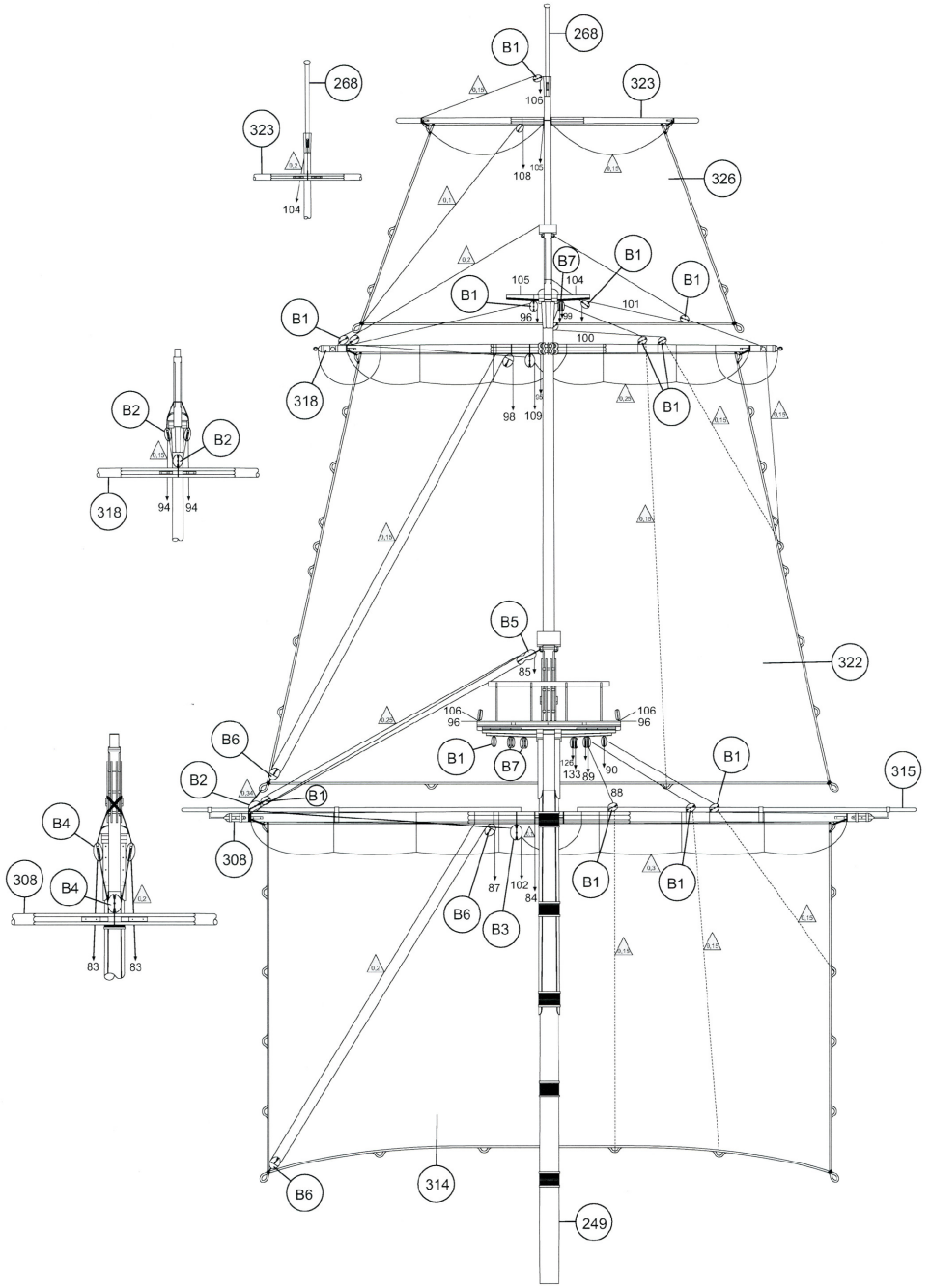
G10

Attention!
Numbers in triangles give thickness of ropes in mm (scale 1:96).

Внимание!
Числа в треугольниках указывают толщину тросов в мм (масштаб 1:96).



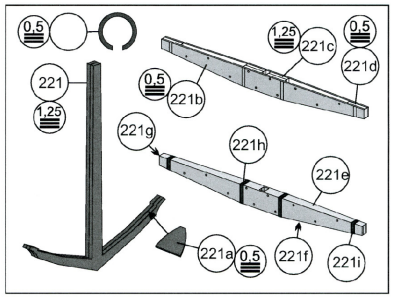
Mainmast rigging / Такелаж гротмачты

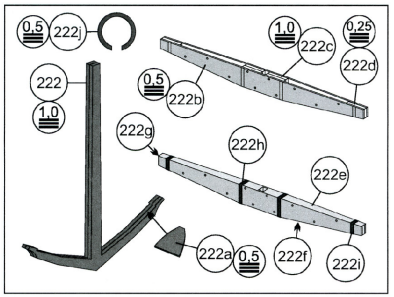


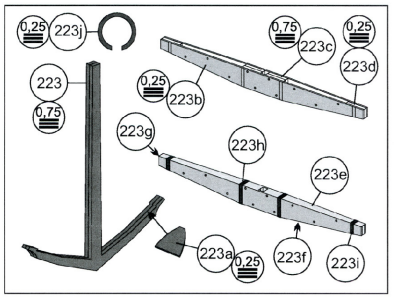
Foremast rigging / Такелаж фокмачты

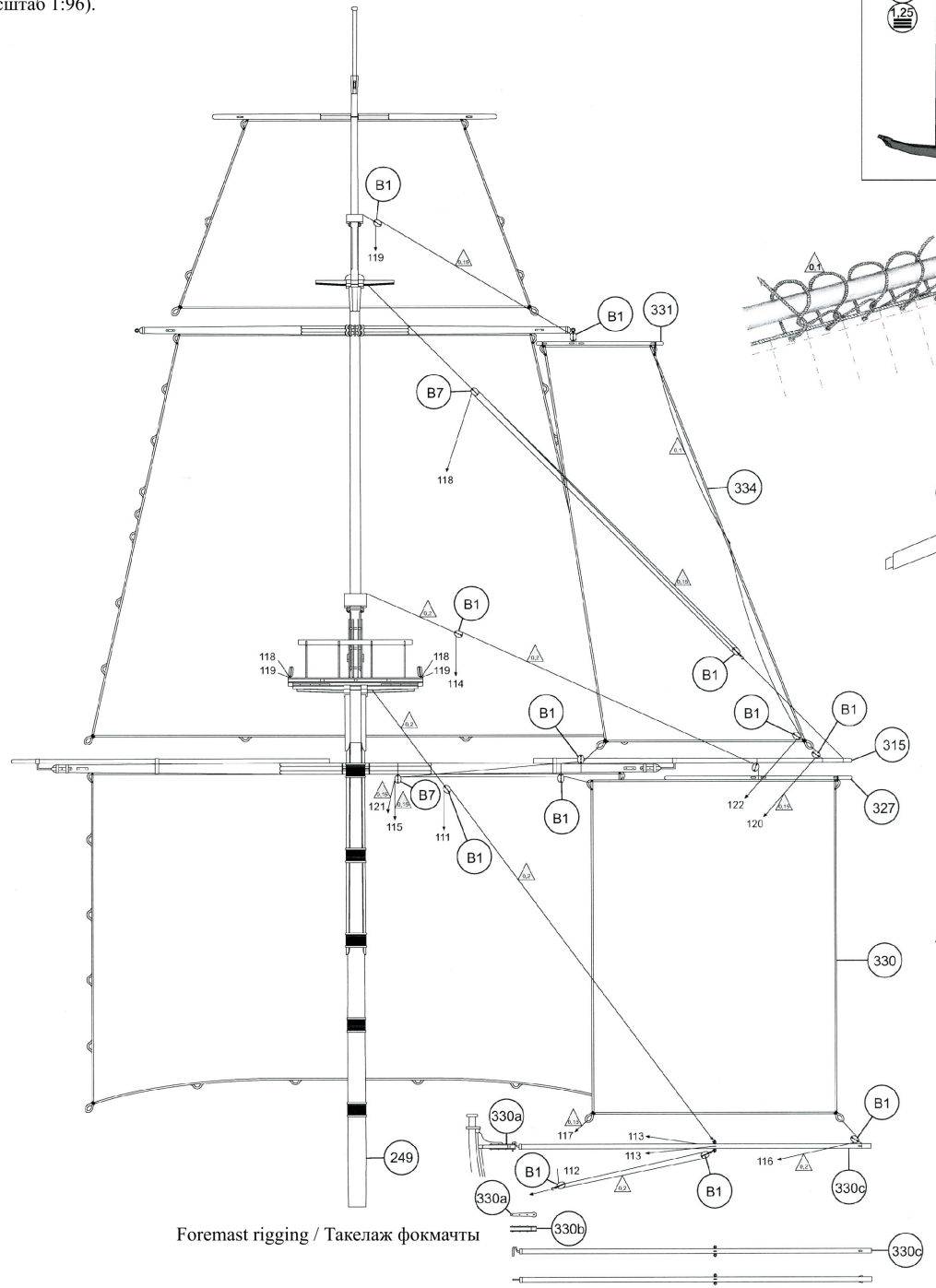
Attention!
Numbers in triangles give thickness of ropes in mm (scale 1:96).

Внимание!
Числа в треугольниках указывают толщину тросов в мм (масштаб 1:96).



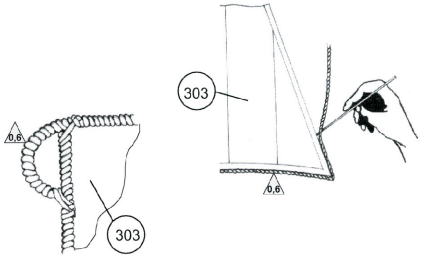


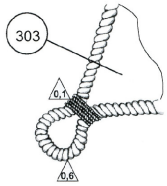


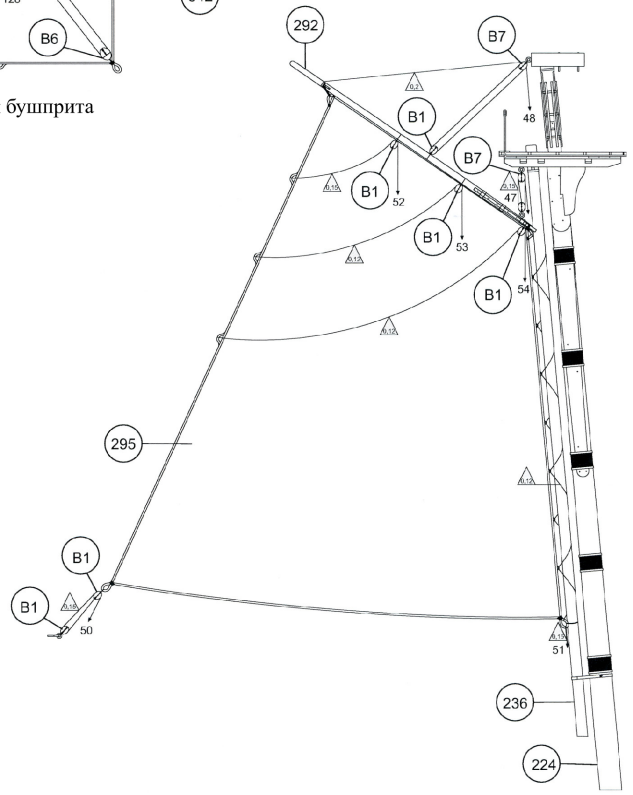


Foremast rigging / Такелаж фокмачты

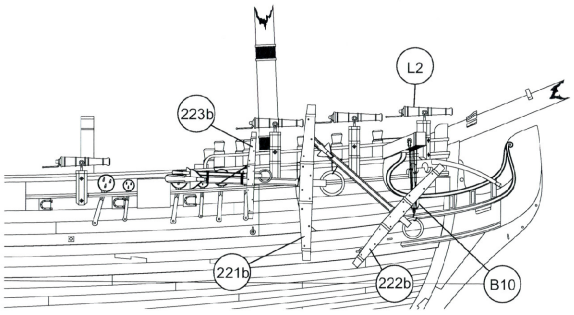
Bowsprit rigging / Такелаж бушприта



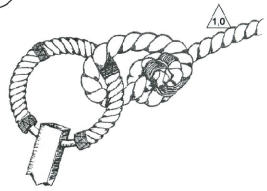


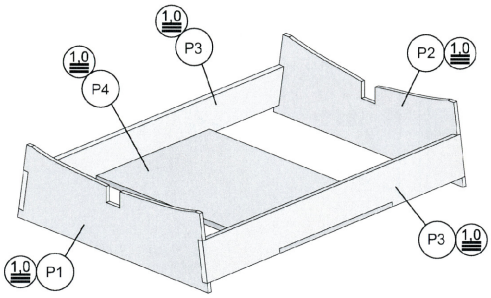


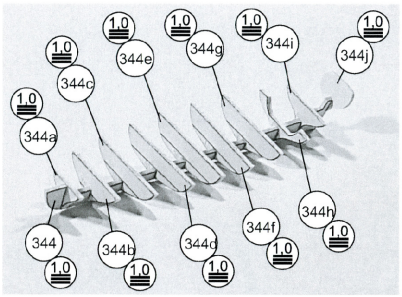
Trysail and gaff rigging / Трисель и гафельная оснастка

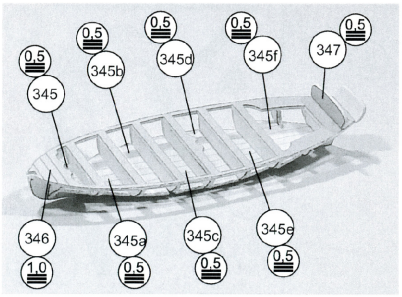


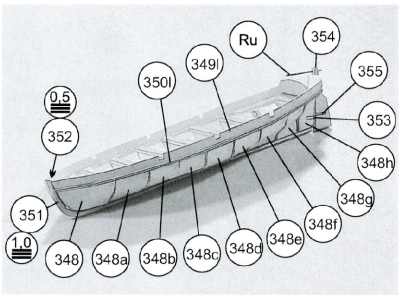
Anchors stowed / Укладка якоря

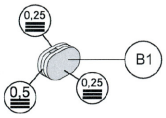


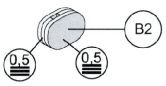


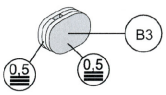


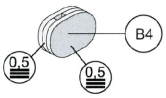


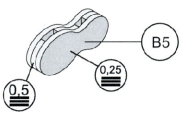


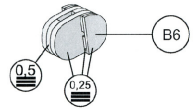


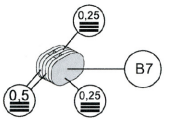


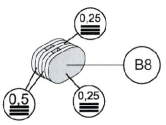


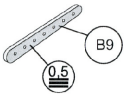


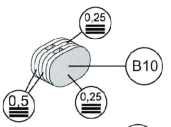


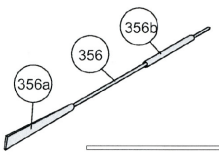


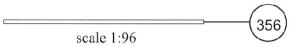




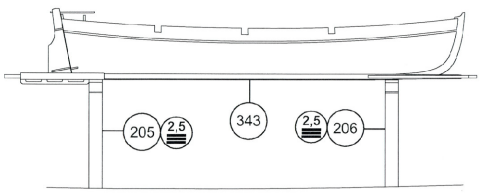


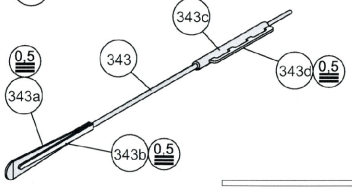


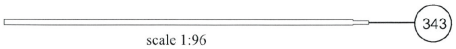




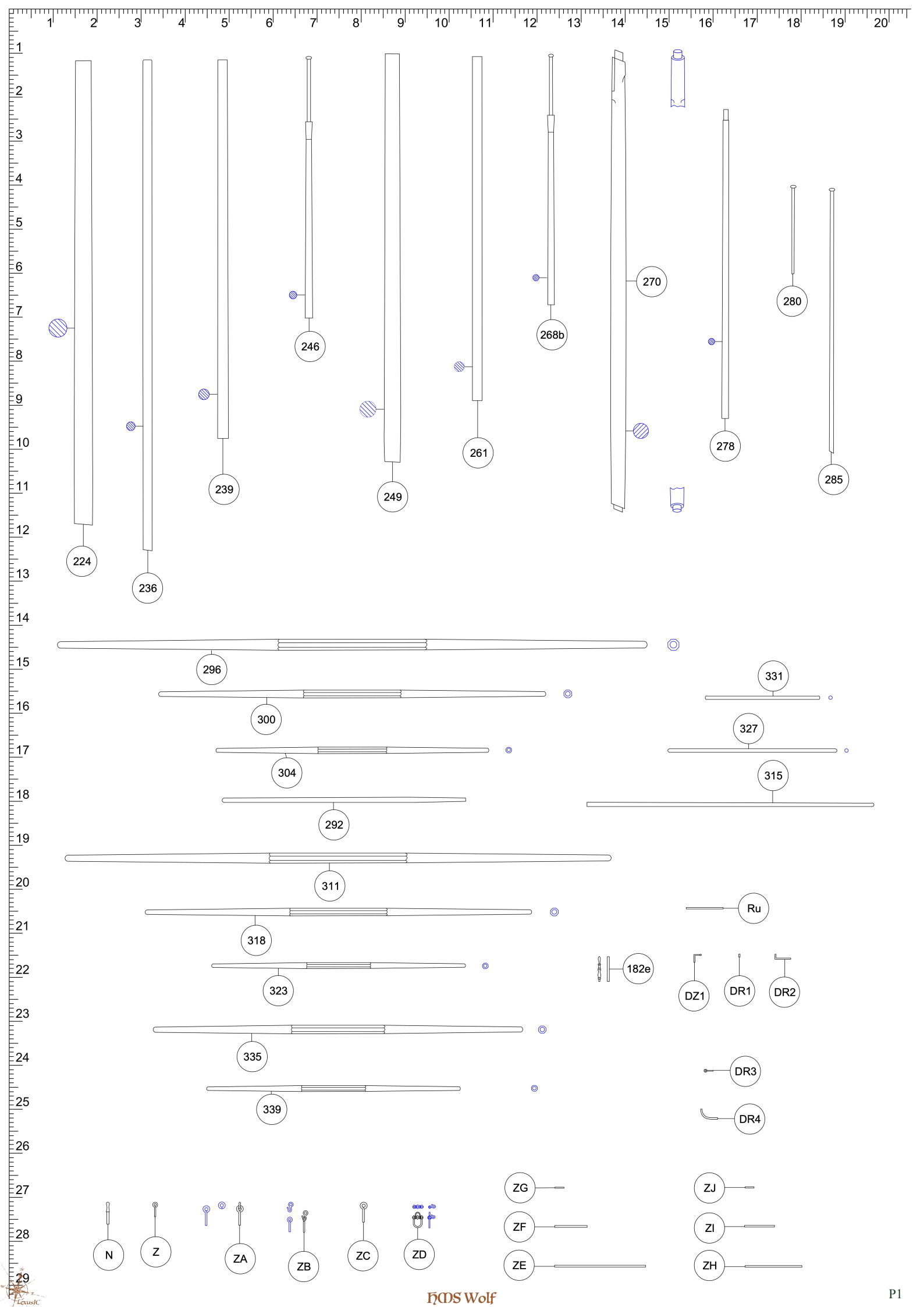
scale 1:96

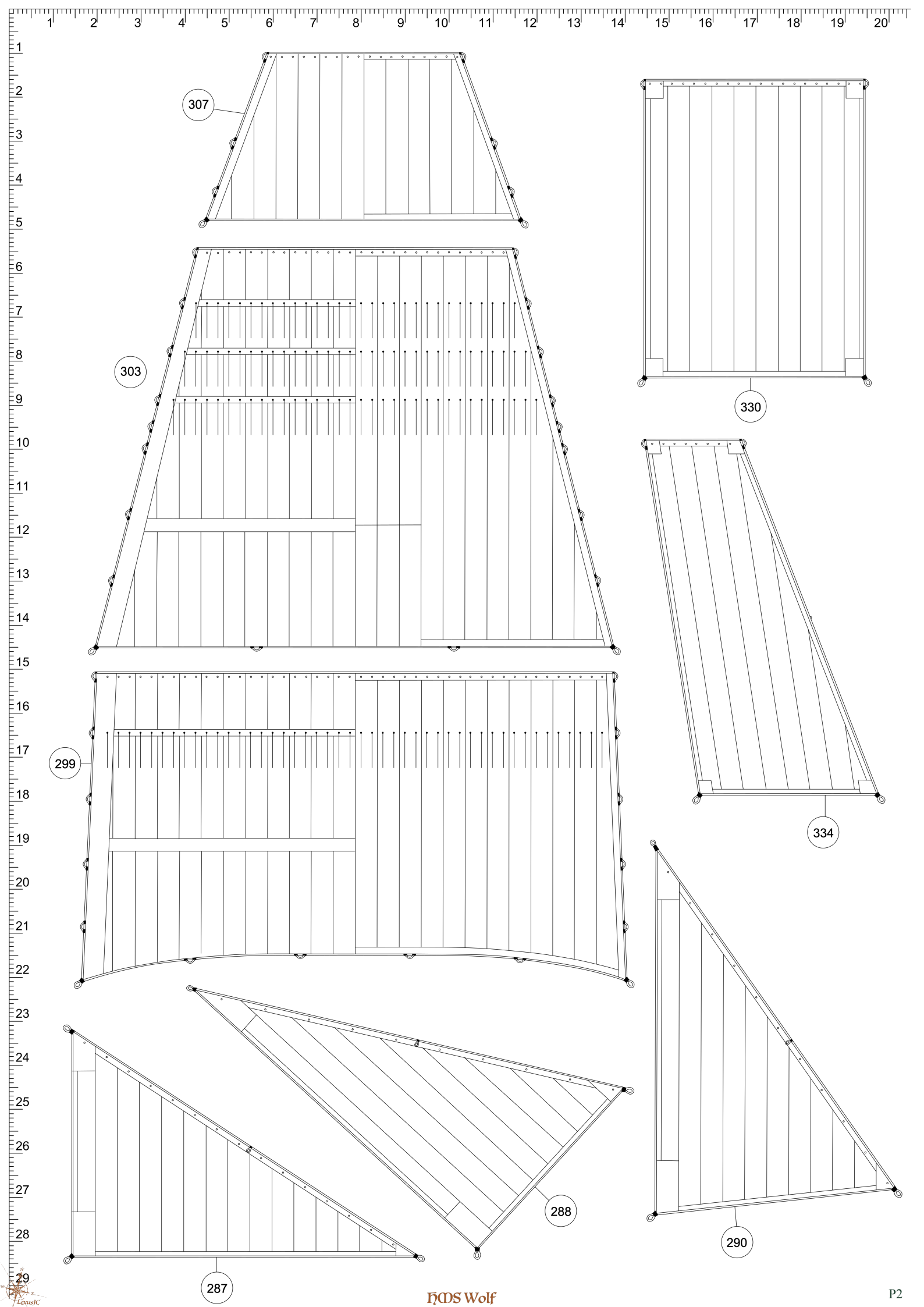


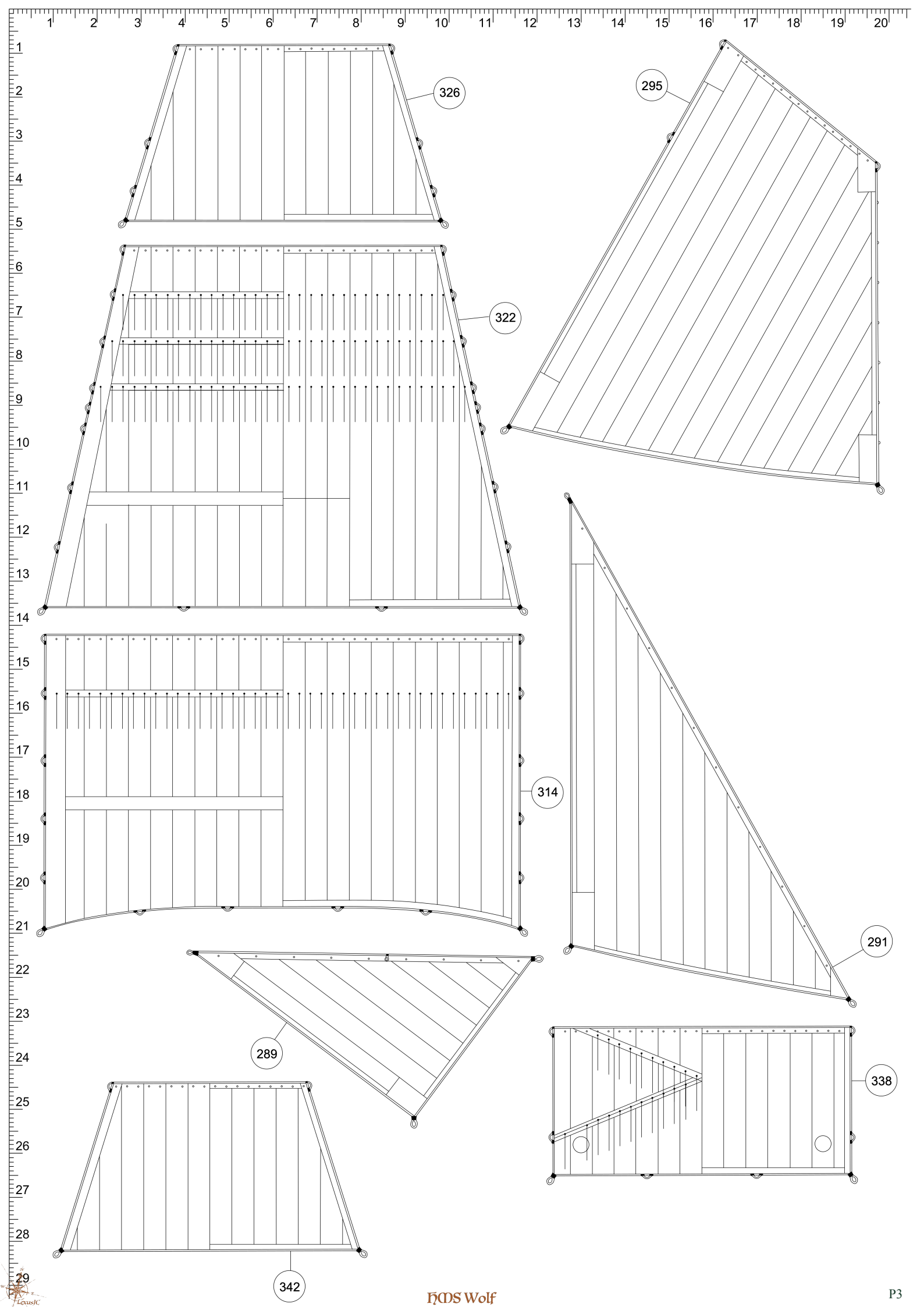


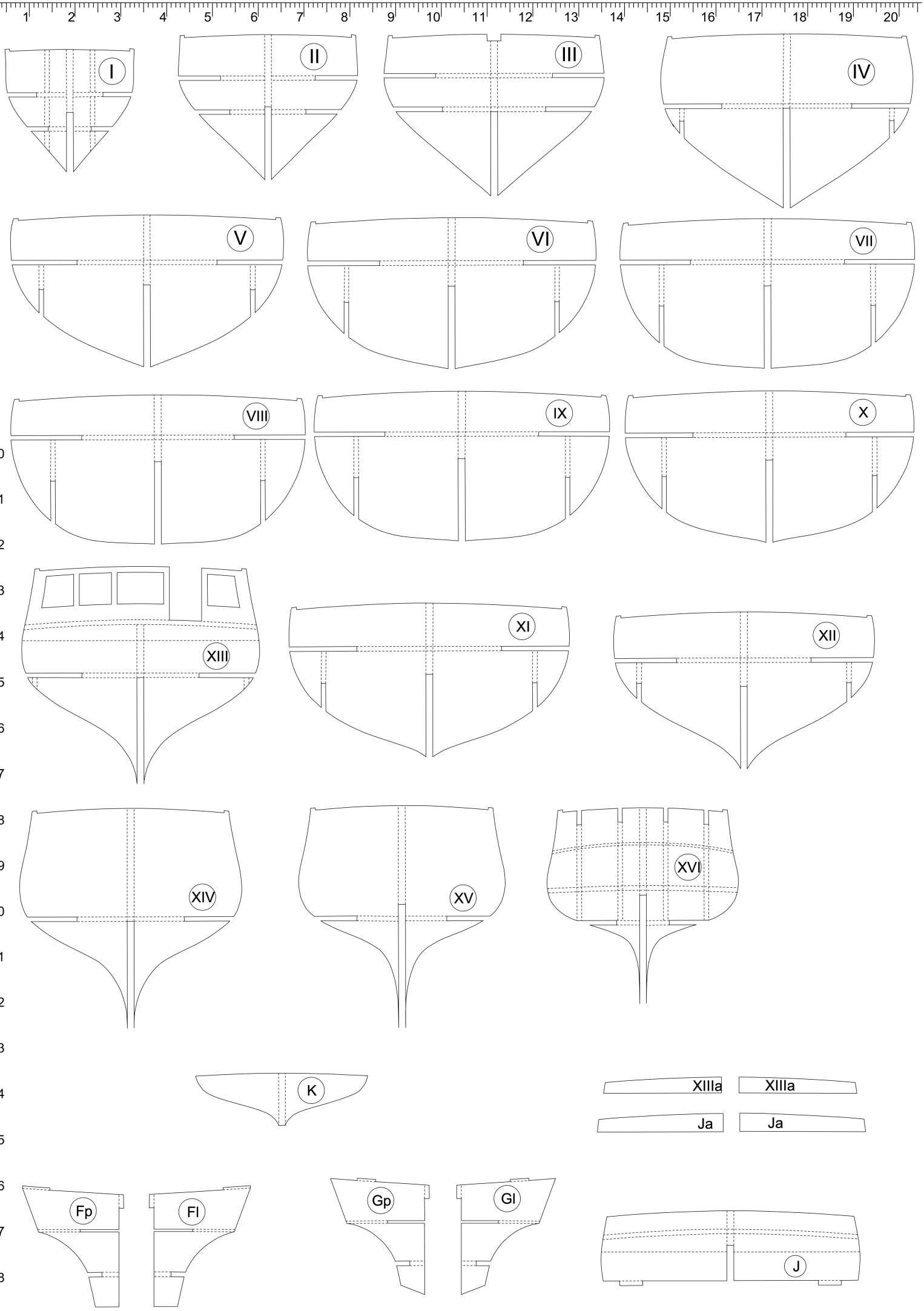


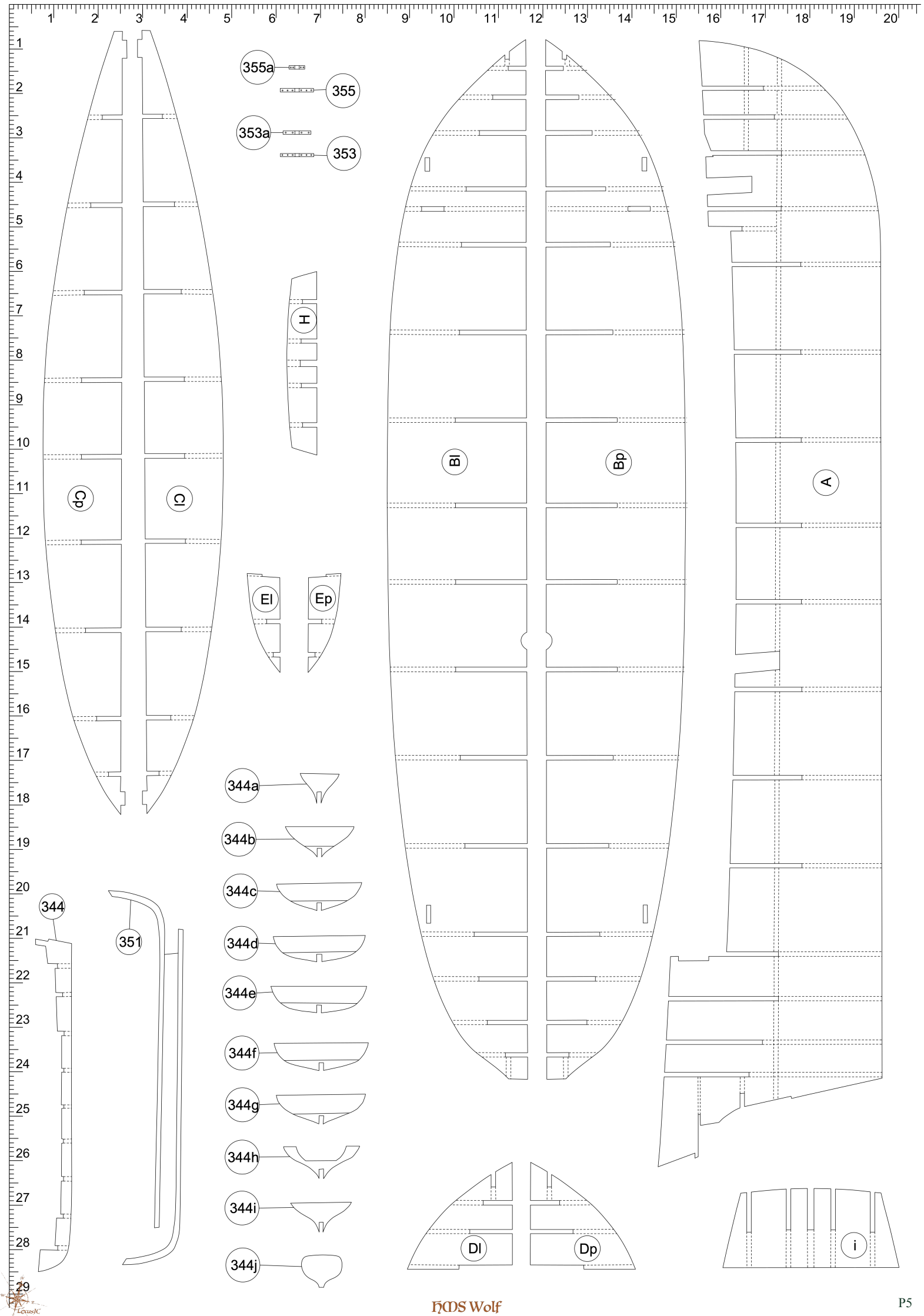
scale 1:96

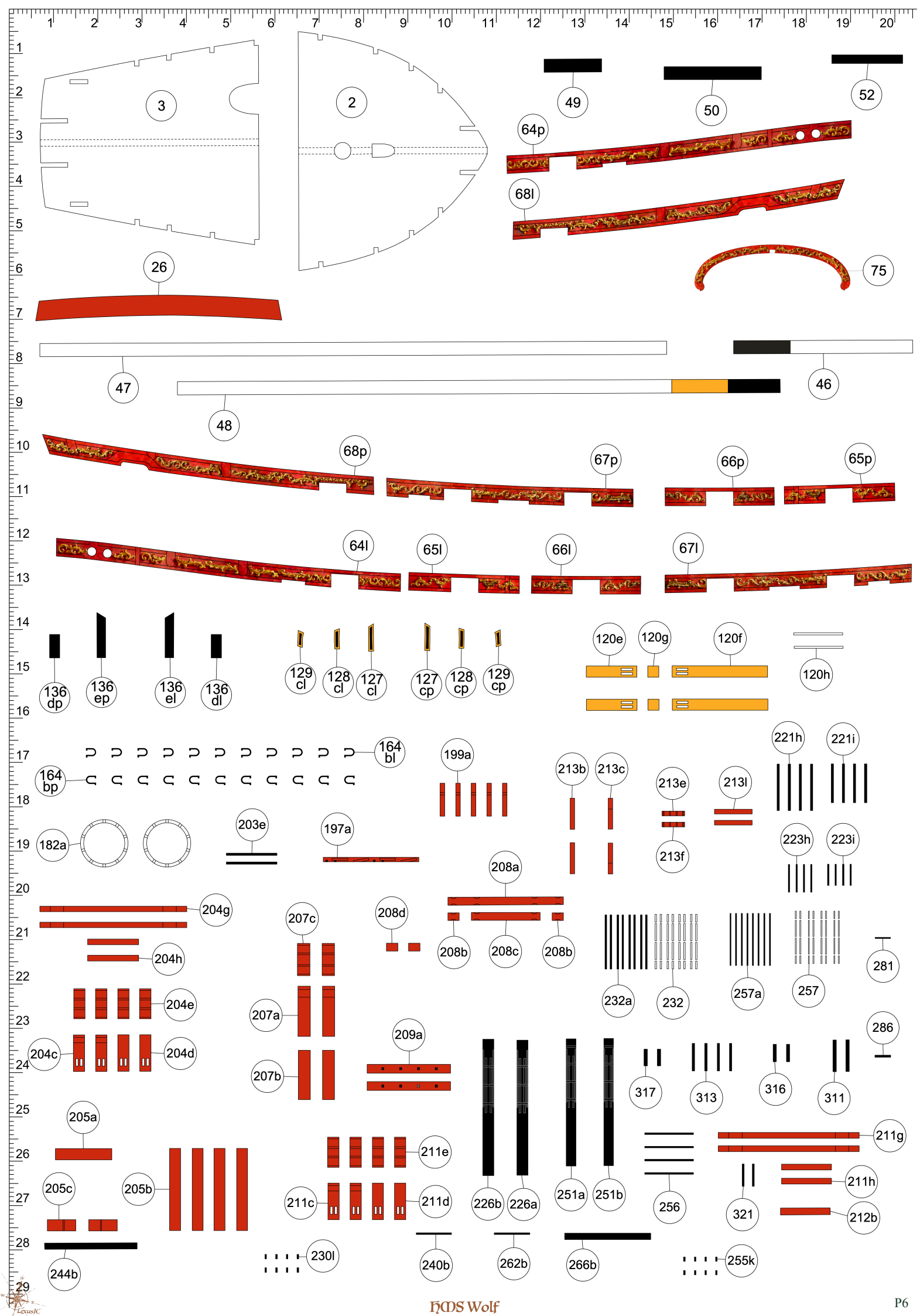

224
236
239
246
249
261
268b
270
278
280
285
296
300
304
292
311
318
323
335
339
331
327
315
Ru
182e
DZ1
DR1
DR2
DR3
DR4
N
Z
ZA
ZB
ZC
ZD
ZG
ZF
ZE
ZJ
ZI
ZH

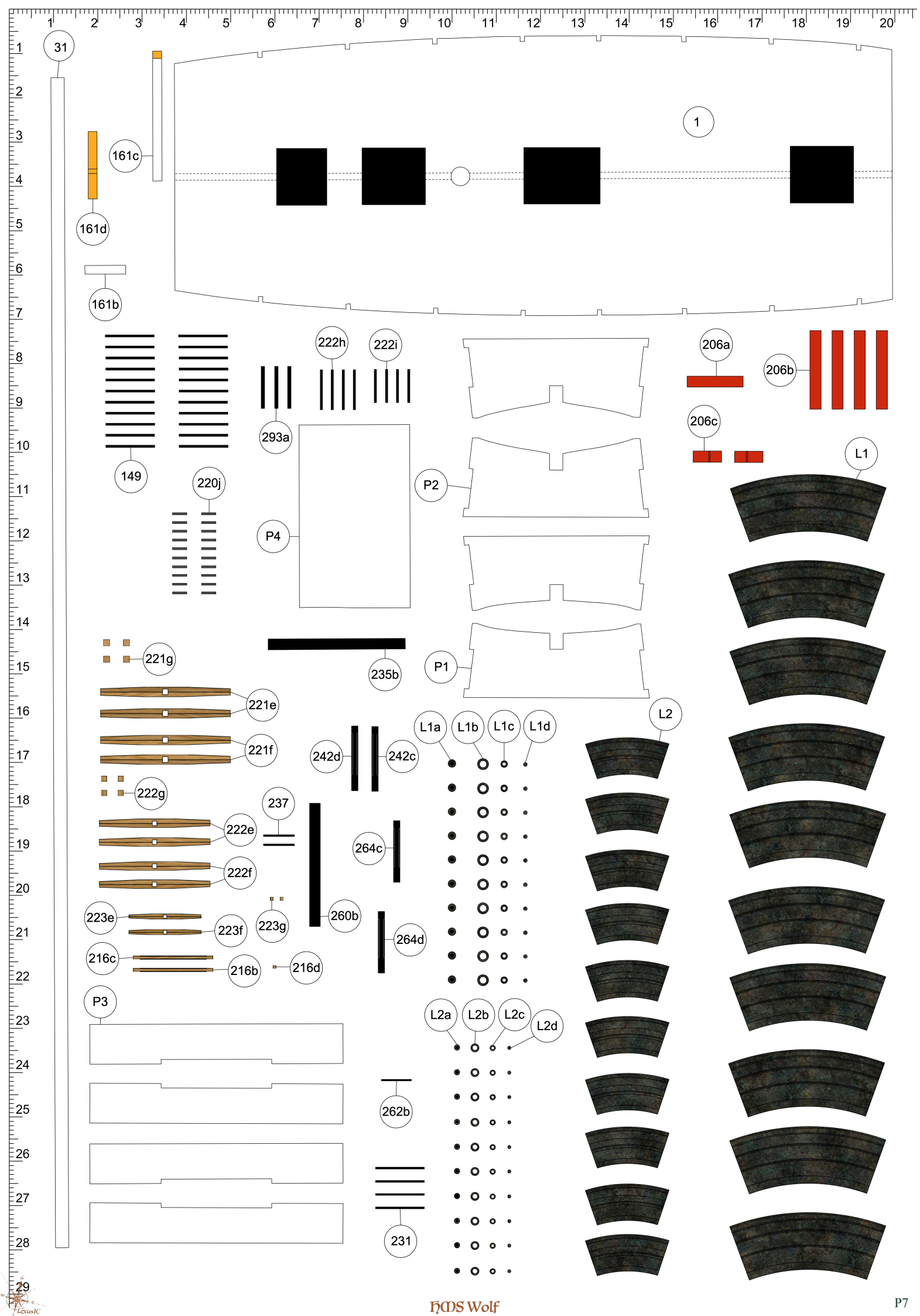

307
303
330
334
299
288
290
287

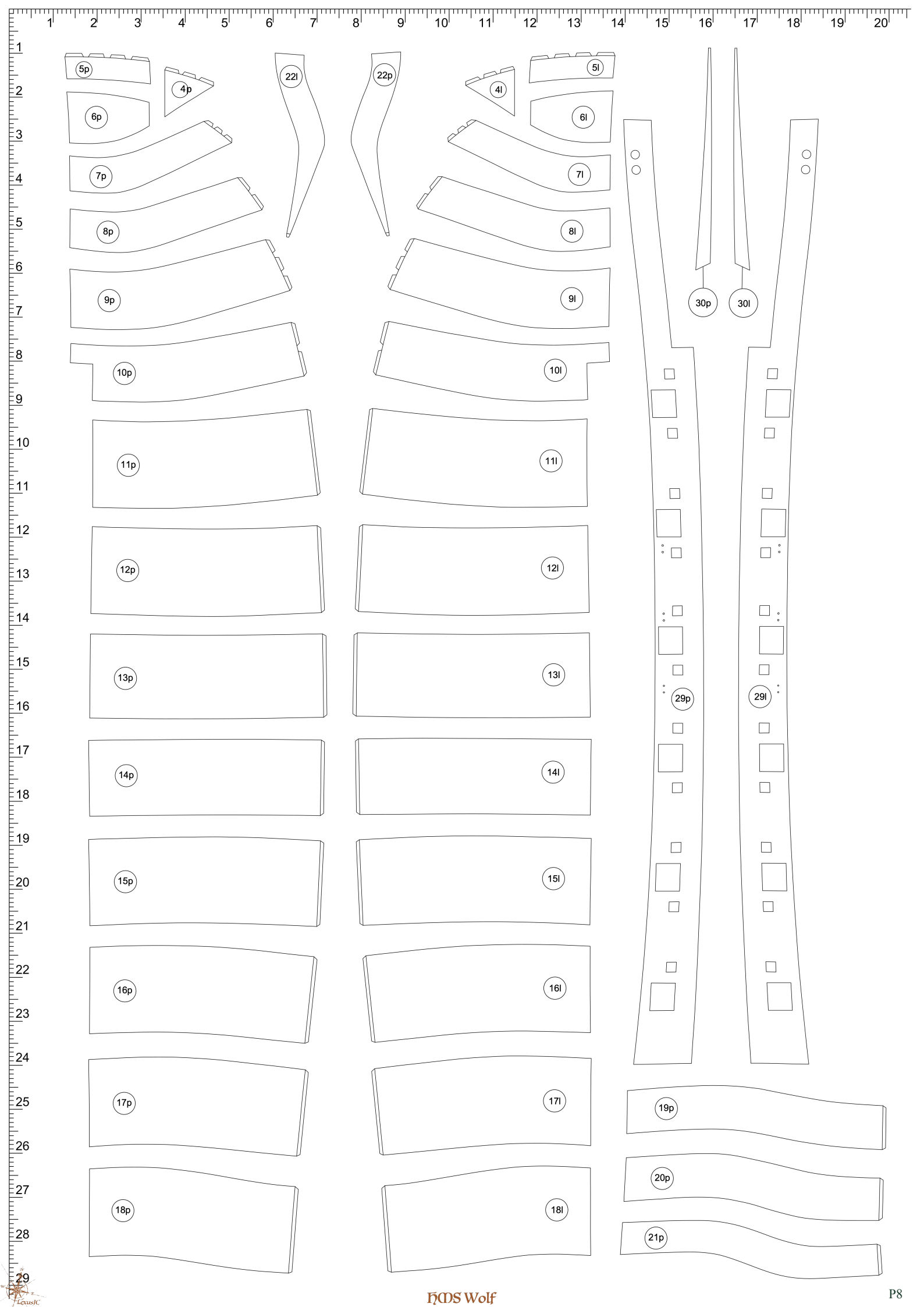

326
295
322
314
291
289
338
342

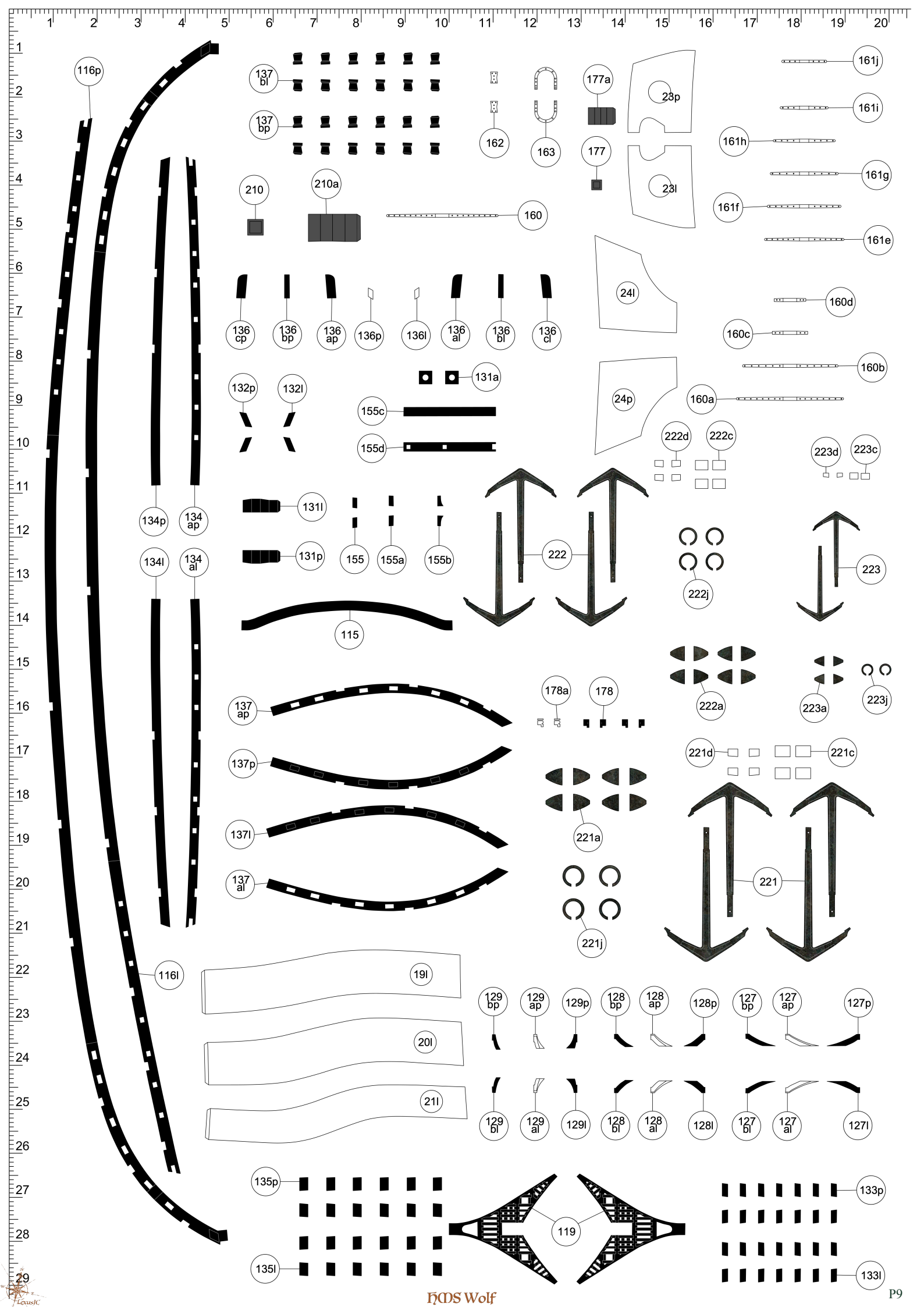

I
II
III
IV
V
VI
VII
VIII
IX
X
XI
XII
XIII
XIV
XV
XVI
K
XIIIa
XIIIa
Ja
Ja
Fp
Fl
Gp
Gl
J

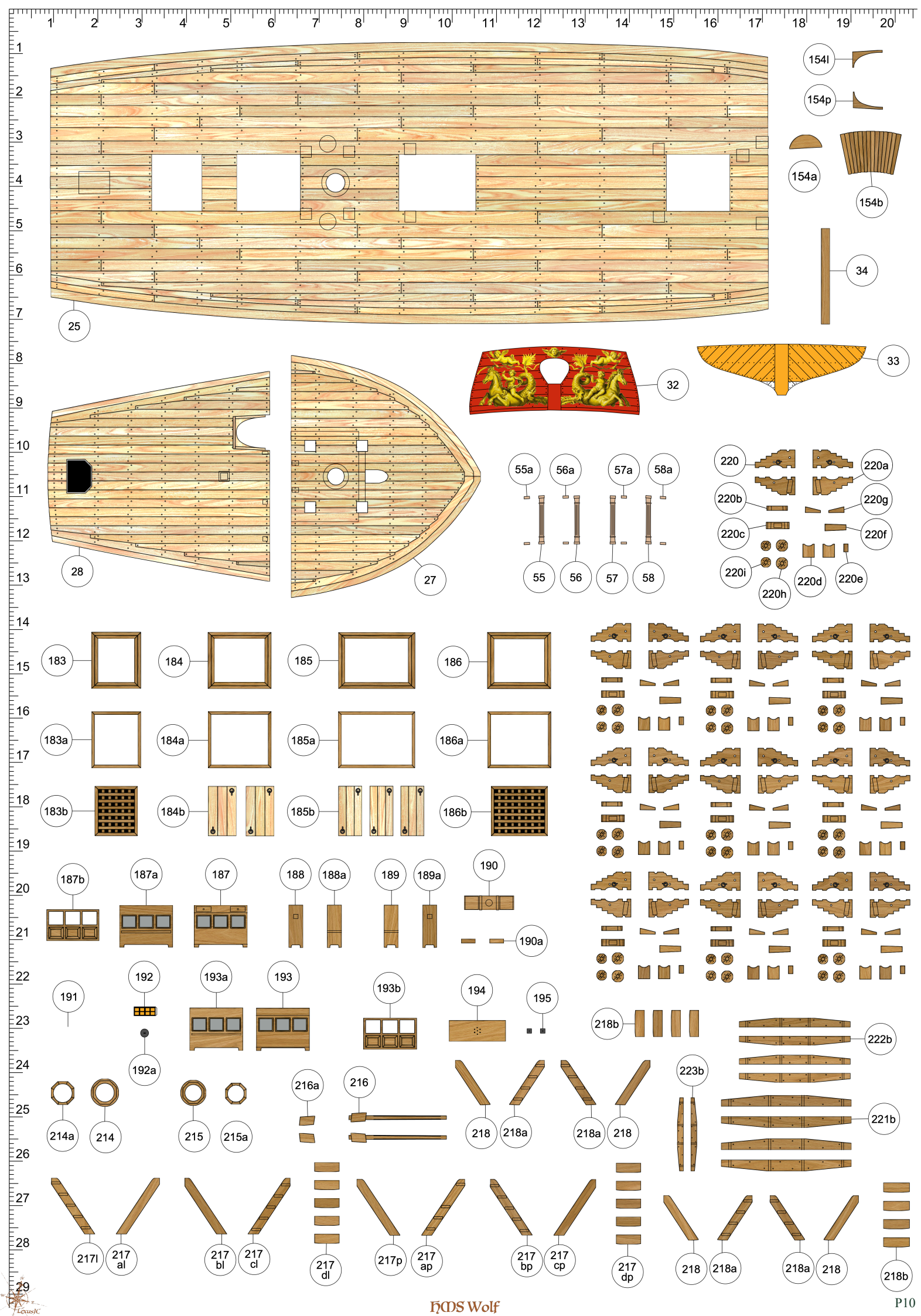

355a
355
353a
353
H
Cp
Ci
El
Ep
Bl
Bp
A
344a
344b
344c
344d
344e
344f
344g
344h
344i
344j
344
351
Dl
Dp
i

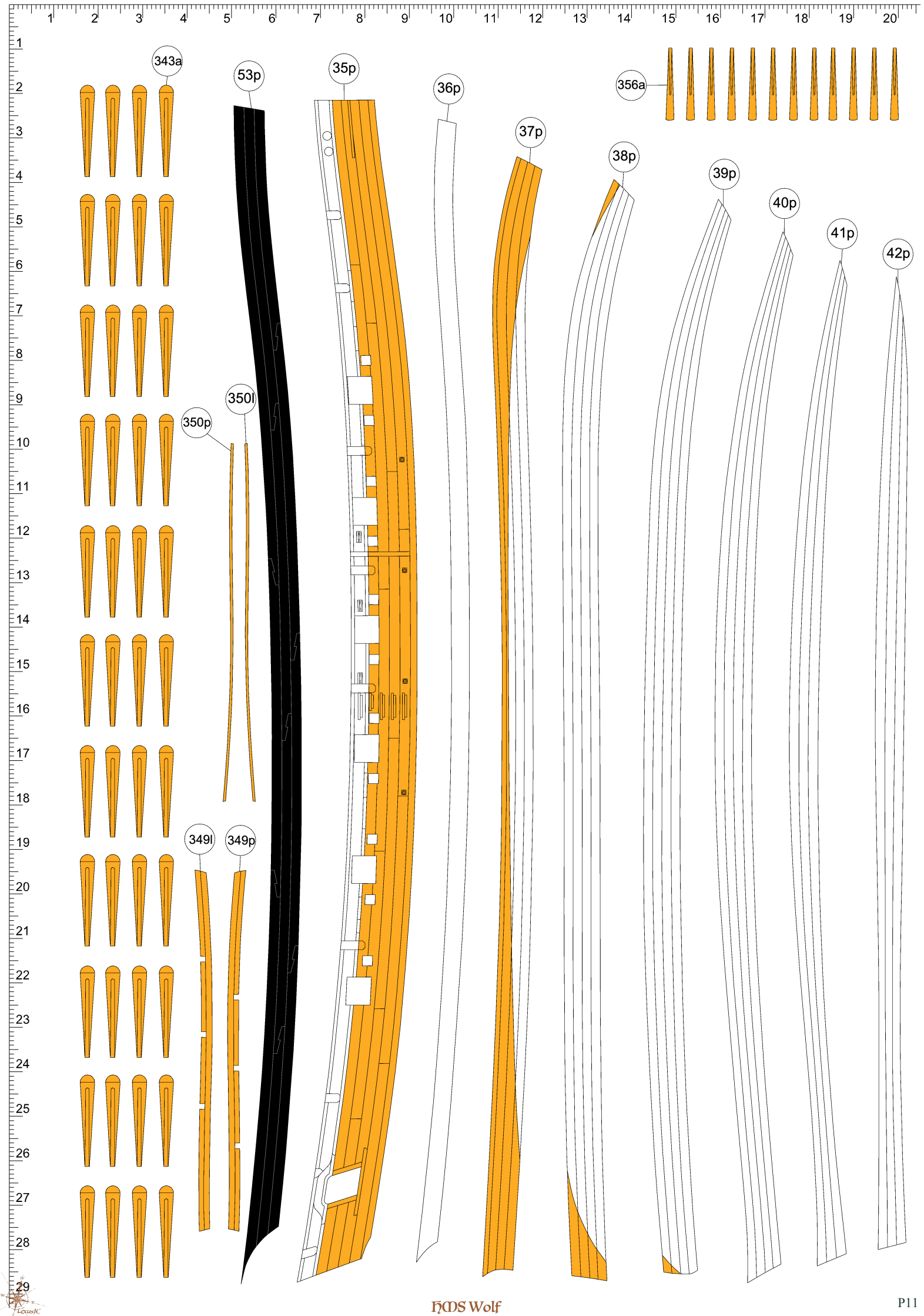

3
2
49
50
52
64p
68l
26
75
47
46
48
68p
67p
66p
65p
64l
65l
66l
67l
136 dp
136 ep
136 el
136 dl
129 cl
128 cl
127 cl
127 cp
128 cp
129 cp
120e
120g
120f
120h
164 bl
164 bp
199a
213b
213c
213e
213l
221h
221i
182a
203e
197a
213f
223h
223i
208a
204g
207c
208d
208b
208c
208b
204h
232a
232
257a
257
281
204e
207a
209a
204c
204d
207b
286
317
313
316
311
205a
211e
211g
205c
205b
211c
211d
226b
226a
251a
251b
256
211h
321
212b
244b
230l
240b
262b
266b
255k

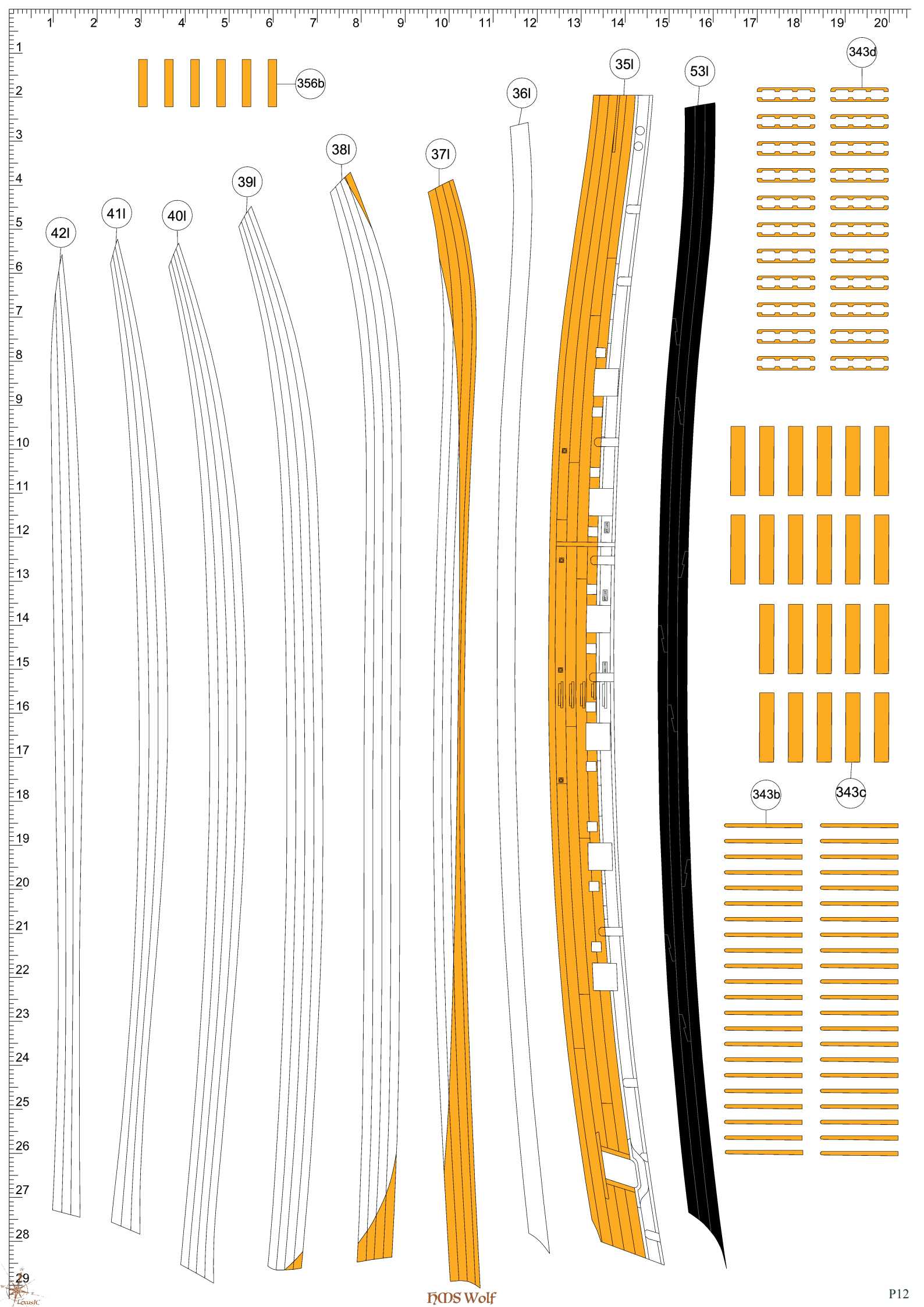

31
161c
161d
161b
1
149
220j
222h
222i
293a
P4
P2
P1
235b
206a
206b
206c
L1
L2
221g
221e
221f
222g
222e
222f
223e
223f
223g
216c
216b
216d
237
260b
242d
242c
264c
264d
L1a
L1b
L1c
L1d
P3
L2a
L2b
L2c
L2d
262b
231

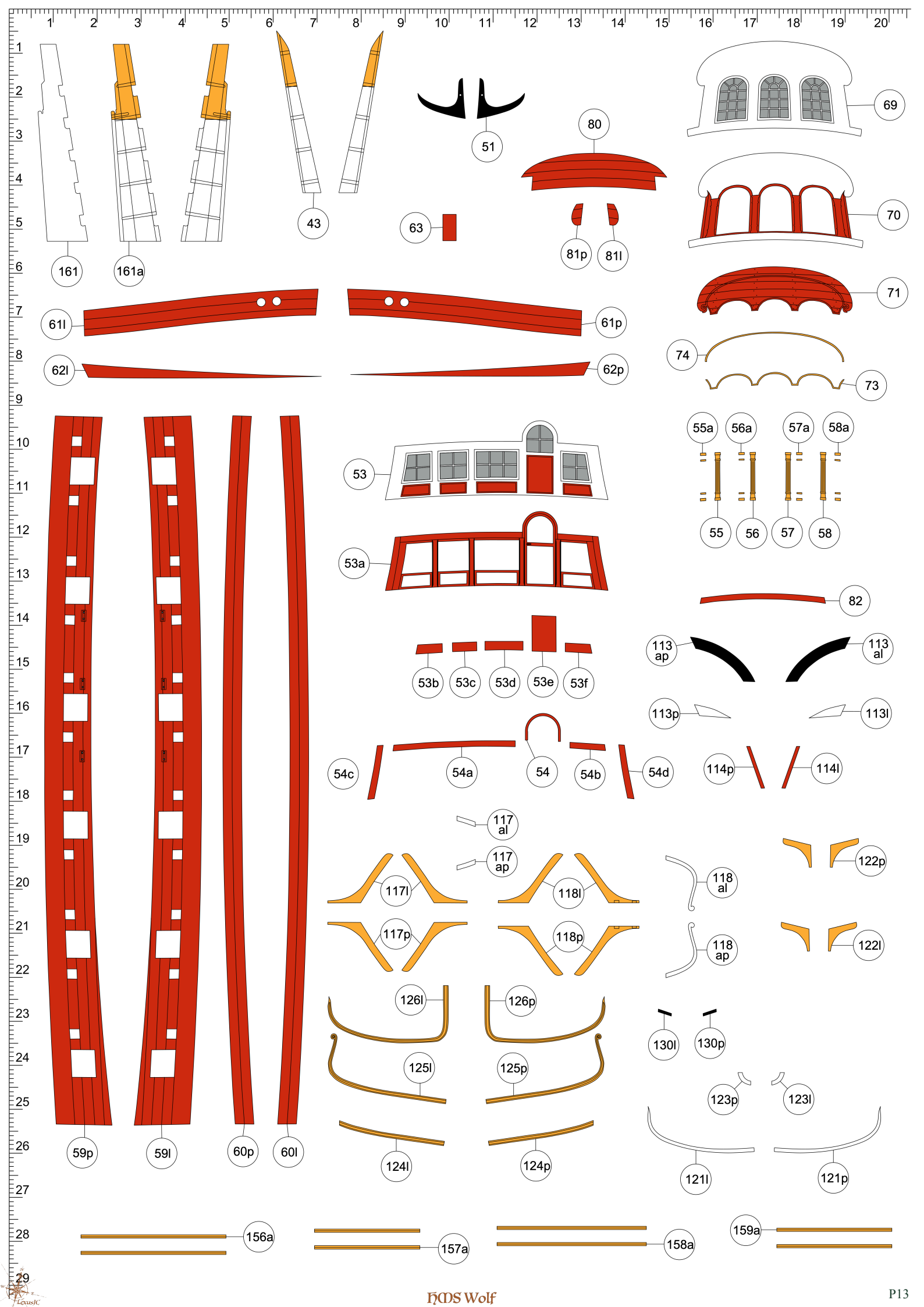

5p
4p
22l
22p
4l
5l
6p
6l
7p
7l
8p
8l
9p
9l
30p
30l
10p
10l
11p
11l
12p
12l
13p
13l
29p
29l
14p
14l
15p
15l
16p
16l
17p
17l
19p
18p
18l
20p
21p

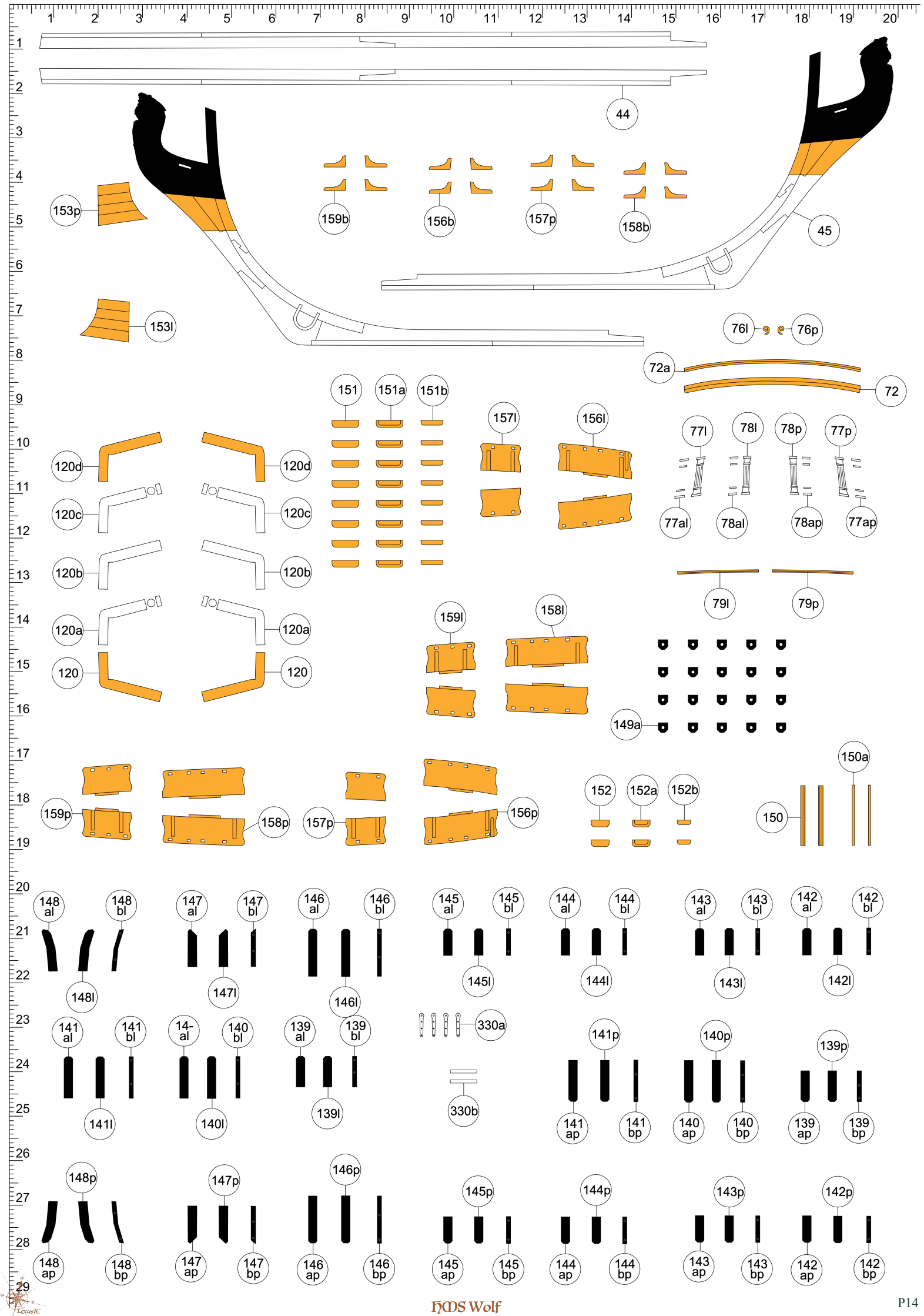

116p
137 bl
137 bp
162
163
177a
177
23p
23l
161j
161i
161h
161g
161f
161e
210
210a
160
24l
160d
160c
160b
160a
24p
136 cp
136 bp
136 ap
136p
136l
136 al
136 bl
136 cl
132p
132l
131a
155c
155d
222d
222c
223d
223c
134p
134 ap
131l
131p
155
155a
155b
222
222j
223
134l
134 al
115
137 ap
137p
137l
137 al
178a
178
222a
223a
223j
221d
221c
221a
221
221j
116l
19l
20l
21l
129 bp
129 ap
129p
128 bp
128 ap
128p
127 bp
127 ap
127p
129 bl
129 al
129l
128 bl
128 al
128l
127 bl
127 al
127l
135p
135l
119
133p
133l

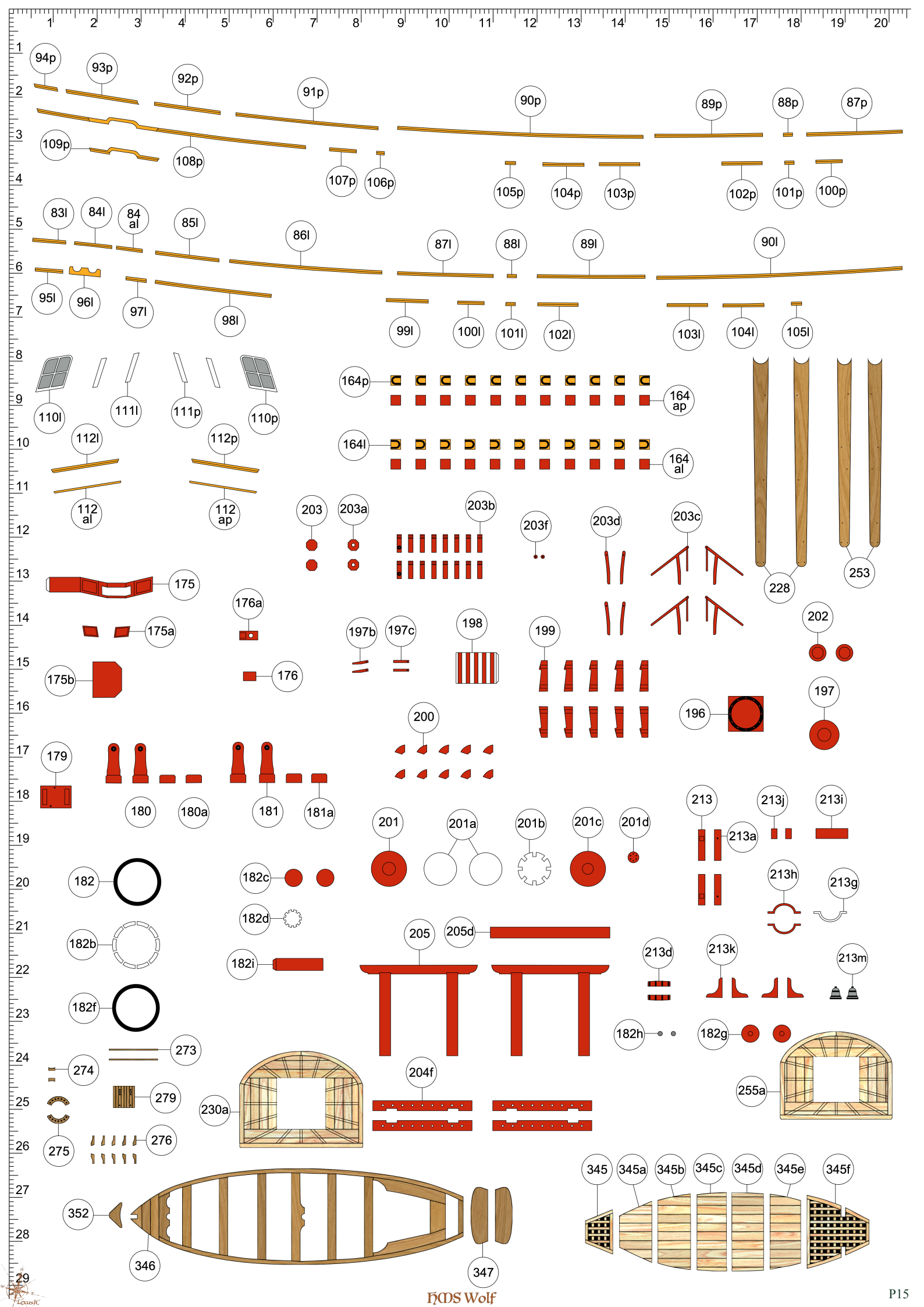

25
154l
154p
154a
154b
34
32
33
28
27
55a
56a
57a
58a
55
56
57
58
220
220a
220b
220g
220c
220f
220i
220h
220d
220e
183
184
185
186
183a
184a
185a
186a
183b
184b
185b
186b
187b
187a
187
188
188a
189
189a
190
190a
191
192
192a
193a
193
193b
194
195
218b
222b
214a
214
215
215a
216a
216
218
218a
218a
218
223b
221b
217l
217 al
217 bl
217 cl
217 dl
217p
217 ap
217 bp
217 cp
217 dp
218
218a
218a
218
218b

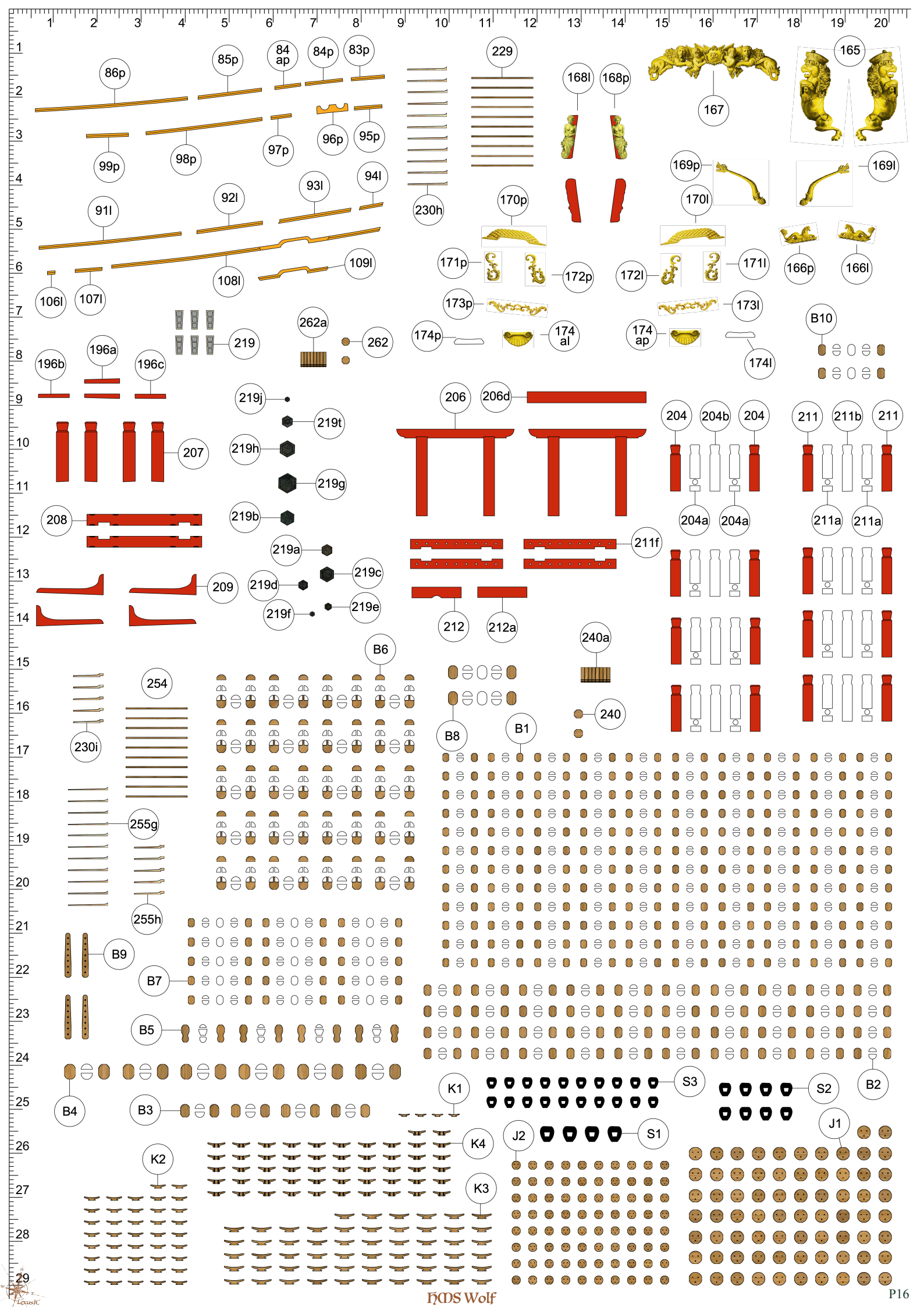

343a
53p
35p
36p
356a
37p
38p
39p
40p
41p
42p
350l
350p
349l
349p

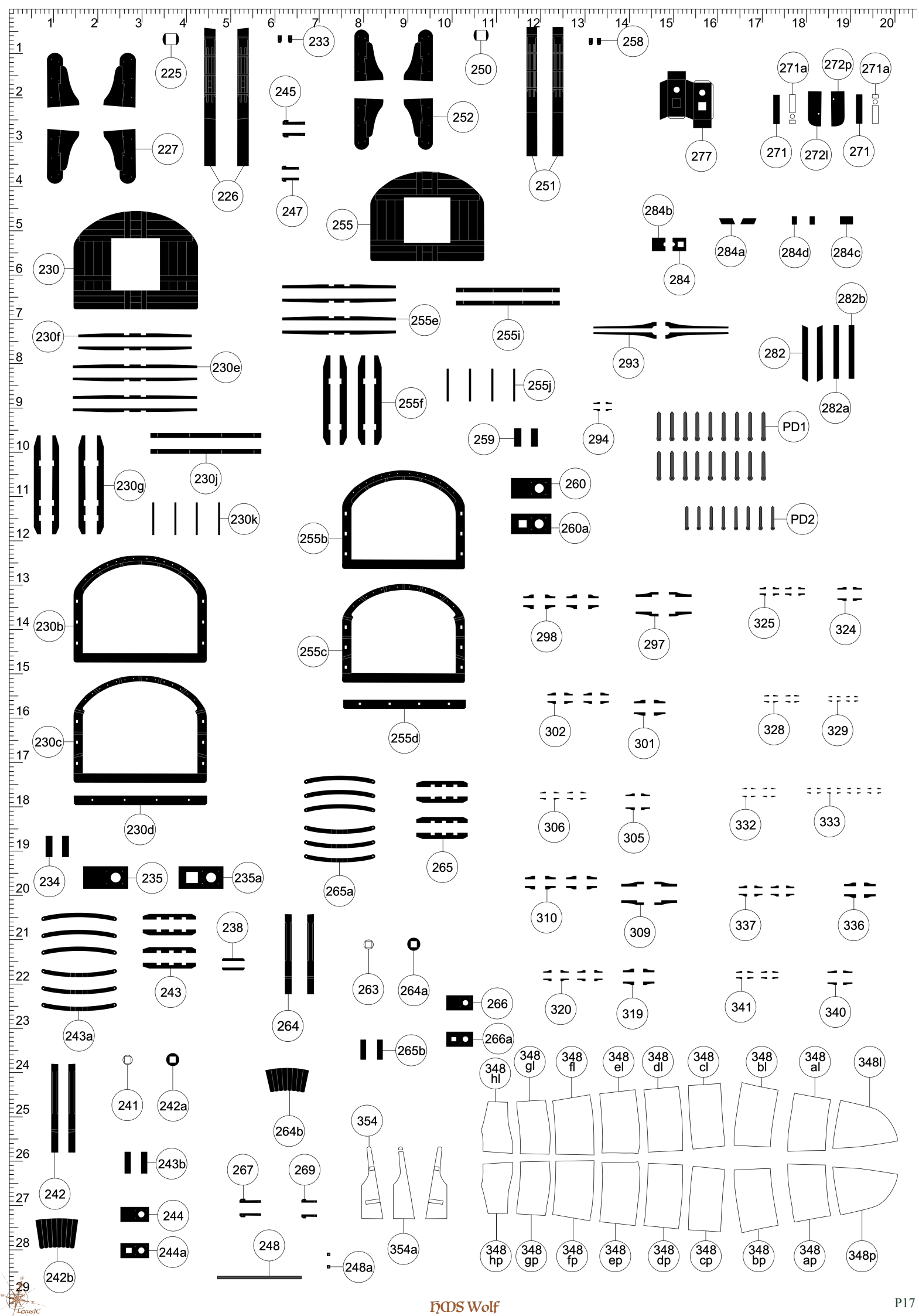

356b
42l
41l
40l
39l
38l
37l
36l
35l
53l
343d
343b
343c


161
161a
43
51
63
80
81p
81l
69
70
71
74
73
61l
61p
62l
62p
55a
56a
57a
58a
55
56
57
58
53
53a
82
53b
53c
53d
53e
53f
113 ap
113 al
113p
113l
54c
54a
54
54b
54d
114p
114l
117 al
117 ap
117l
118l
122p
118 al
117p
118p
118 ap
122l
126l
126p
130l
130p
125l
125p
123p
123l
124l
124p
121l
121p
59p
59l
60p
60l
156a
157a
158a
159a

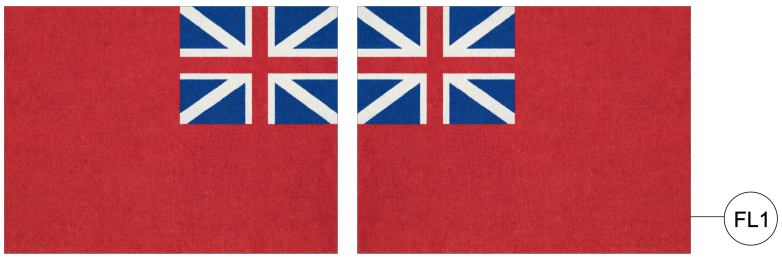

44
153p
159b
156b
157p
158b
45
153l
76l
76p
72a
72
151
151a
151b
157l
156l
77l
78l
78p
77p
77al
78al
78ap
77ap
120d
120c
120b
120a
120
79l
79p
159l
158l
149a
159p
158p
157p
156p
152
152a
152b
150a
150
148 al
148 bl
148l
147 al
147 bl
147l
146 al
146 bl
146l
145 al
145 bl
145l
144 al
144 bl
144l
143 al
143 bl
143l
142 al
142 bl
142l
141 al
141 bl
141l
14- al
140 bl
140l
139 al
139 bl
139l
330a
330b
141p
140p
139p
141 ap
141 bp
140 ap
140 bp
139 ap
139 bp
148p
147p
146p
145p
144p
143p
142p
148 ap
148 bp
147 ap
147 bp
146 ap
146 bp
145 ap
145 bp
144 ap
144 bp
143 ap
143 bp
142 ap
142 bp

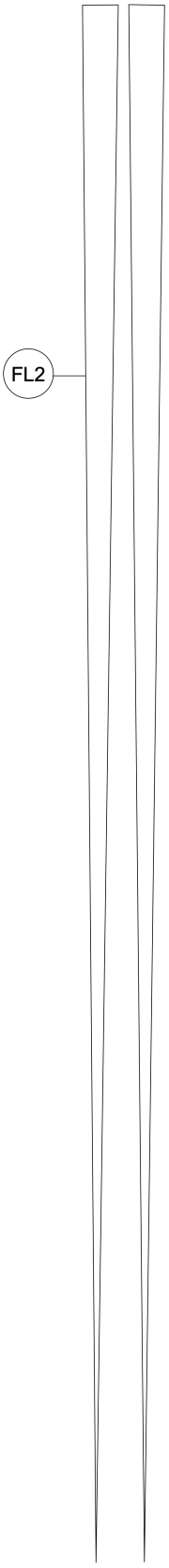

94p
93p
92p
91p
90p
89p
88p
87p
109p
108p
107p
106p
105p
104p
103p
102p
101p
100p
83l
84l
84 al
85l
86l
87l
88l
89l
90l
95l
96l
97l
98l
99l
100l
101l
102l
103l
104l
105l
110l
111l
111p
110p
164p
164 ap
164l
164 al
112l
112p
112 al
112 ap
203
203a
203b
203f
203d
203c
175
175a
176a
176
175b
197b
197c
198
199
202
197
196
200
179
180
180a
181
181a
201
201a
201b
201c
201d
213
213a
213j
213i
213h
213g
182
182c
182d
182b
182i
205
205d
213d
213k
213m
182f
182h
182g
273
274
279
275
276
230a
204f
255a
352
346
347
345
345a
345b
345c
345d
345e
345f
228
253

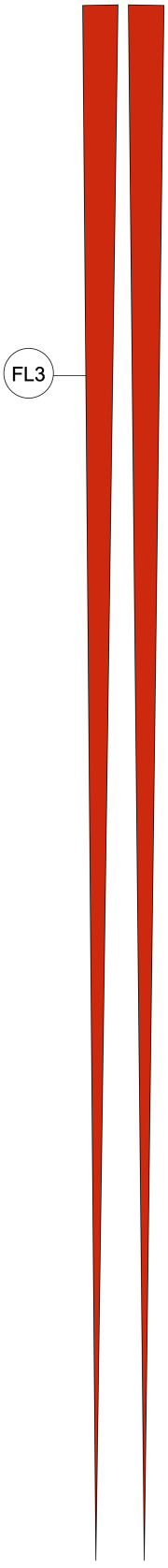

86p
85p
84 ap
84p
83p
99p
98p
97p
96p
95p
91l
92l
93l
94l
108l
109l
106l
107l
230h
229
168l
168p
167
165
169p
169l
170l
170p
171p
172p
172l
171l
166p
166l
173p
173l
174p
174 al
174 ap
174l
B10
262a
262
219
196a
196b
196c
219j
219t
219h
219g
207
208
219b
219a
219c
219d
219f
219e
209
206
206d
204
204b
204a
211
211b
211a
211f
212
212a
240a
240
B6
B8
B1
254
230i
255g
255h
B9
B7
B5
B4
B3
K1
S3
S2
B2
J1
J2
S1
K4
K3
K2

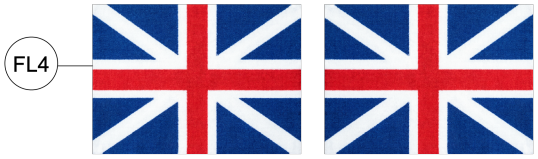


225
226
227
233
245
247
250
251
252
255
258
271a
272p
271a
271
272l
271
277
284b
284
284a
284d
284c
230
255e
255i
282b
282
282a
230f
230e
293
255f
255j
259
294
PD1
230g
230j
230k
260
260a
PD2
255b
230b
255c
298
297
325
324
302
301
328
329
230c
255d
230d
306
305
332
333
265
265a
234
235
235a
310
309
337
336
238
243
243a
264
263
264a
266
266a
320
319
341
340
265b
348 hl
348 gl
348 fl
348 el
348 dl
348 cl
348 bl
348 al
348l
241
242a
264b
354
243b
267
269
242
244
244a
248
248a
354a
348 hp
348 gp
348 fp
348 ep
348 dp
348 cp
348 bp
348 ap
348p
242b


FL1


FL2


FL3


FL4

Part Id	Assembly Guide	Parts Atlas	Comment
%l	G1(1,21)		
1	G1(9,19)	P7(16,3)	
2	G1(3,19) G1(5,25)	P6(8,2)	
3	G1(15,19) G1(16,25)	P6(4,2)	
4l	G1(2,23)	P8(11,2)	
4p		P8(4,2)	
5l	G1(5,27)	P8(13,2)	
5p		P8(2,2)	
6l	G1(1,22) G1(5,28)	P8(13,3)	
6p		P8(2,3)	
7l	G1(3,24) G1(7,29)	P8(13,4)	
7p		P8(2,4)	
8l	G1(3,24) G1(7,29)	P8(13,5)	
8p		P8(2,5)	
9l	G1(4,24)	P8(13,7)	
9l1	G1(9,29)		
9p		P8(2,7)	
10l	G1(5,24)	P8(12,8)	
10p		P8(3,8)	
11l	G1(7,24)	P8(12,10)	
11p		P8(3,10)	
12l	G1(8,24)	P8(12,13)	
12p		P8(3,13)	
13l	G1(10,24)	P8(12,15)	
13p		P8(3,15)	
14-al		P14(4,23)	
14l	G1(11,24)	P8(12,17)	
14p		P8(3,17)	
15l	G1(13,24)	P8(12,20)	
15p		P8(3,20)	
16l	G1(14,24)	P8(12,22)	
16p		P8(3,22)	
17l	G1(16,24)	P8(12,25)	
17p		P8(3,25)	
18l	G1(17,23)	P8(13,27)	
18p		P8(3,27)	
19l	G1(18,23)	P9(9,22)	
19p		P8(15,25)	
20l	G1(18,23)	P9(10,23)	
20p		P8(15,26)	
21l	G1(19,23)	P9(10,25)	
21p		P8(15,28)	
22l	G1(20,22) G1(13,29)	P8(7,2)	
22p		P8(9,2)	
23l		P9(15,4)	
23p	G1(17,26)	P9(15,2)	
24l	G1(20,21) G1(13,25)	P9(14,7)	
24p		P9(14,9)	
25	G2(7,2)	P10(2,7)	
26		P6(4,6)	
27	G2(3,2) G2(2,13)	P10(10,13)	
28	G2(16,1) G2(9,12)	P10(2,13)	
29	G7(13,12)		
29;	G2(19,11)		
29l	G2(13,6) G2(5,8) G2(2,13) G2(16,12)	P8(17,16)	
29p	G2(9,2) G2(5,8) G2(10,8) G2(15,8) G2(6,13) G2(8,13)	P8(15,16)	
30l	G2(20,4) G2(20,14)	P8(17,7)	
30p	G2(20,1) G2(11,12)	P8(16,7)	
31	G2(2,6) G2(17,6) G2(15,11) G2(5,12) G2(1,25)	P7(1,1)	
32	G2(14,26)	P10(15,9)	
33	G2(13,27)	P10(20,8)	
34	G2(13,28)	P10(19,6)	
35l	G2(1,19) G2(1,26) G2(9,25)	P12(14,1)	
35p		P11(8,2)	
36l	G2(1,20) G2(1,27)	P12(12,2)	
36p		P11(10,2)	
37l	G2(2,22) G2(2,27)	P12(10,3)	
37p		P11(12,3)	
38l	G2(4,23) G2(2,28)	P12(8,3)	
38p		P11(14,4)	
39l	G2(6,23) G2(2,28)	P12(6,4)	
39p		P11(16,4)	
40l	G2(19,22) G2(3,29)	P12(4,5)	
40p		P11(17,5)	
41l	G2(18,23) G2(4,29)	P12(3,5)	
41p		P11(19,5)	
42l	G2(17,23) G2(4,29) G2(9,29)	P12(1,5)	
42p		P11(20,6)	
43	G3(19,5) G3(10,10)	P13(7,5)	
44	G3(16,6)	P14(14,3)	
45	G3(2,5) G3(2,11)	P14(18,5)	
46	G3(10,11)	P6(18,9)	
47		P6(3,9)	
48	G3(3,11)	P6(5,9)	
49	G3(2,7)	P6(13,2)	
50	G3(2,2) G3(11,8)	P6(16,2)	
51	G3(3,2) G3(4,7)	P13(11,3)	
52	G3(3,7)	P6(19,2)	
53	G3(9,13)	P13(8,11)	
53a	G3(10,16)	P13(8,13)	

Part Id	Assembly Guide	Parts Atlas	Comment
53b	G3(15,14)	P13(10,15)	
53c	G3(16,14)	P13(10,15)	
53d	G3(17,14)	P13(11,15)	
53e	G3(17,15)	P13(12,15)	
53f	G3(18,15)	P13(13,15)	
53l	G3(14,6)	P12(16,2)	
53p		P11(6,2)	
54	G3(19,12)	P13(12,17)	
54a	G3(18,12) G3(4,14)	P13(10,17)	
54b	G3(20,13) G3(6,14)	P13(13,17)	
54c	G3(15,13)	P13(8,17)	
54d		P13(15,17)	
55	G3(3,14)	P10(12,13) P13(16,12)	
55a		P10(12,10) P13(16,10)	
56		P10(13,13) P13(17,12)	
56a		P10(13,10) P13(17,10)	
57		P10(14,13) P13(18,12)	
57a		P10(14,10) P13(18,10)	
58	G3(17,17) G3(14,16)	P10(14,13) P13(19,12)	
58a	G3(14,15) G3(15,17)	P10(15,10) P13(19,10)	
59l		P13(4,26)	
59p	G3(8,2) G3(15,9)	P13(2,26)	
60l		P13(6,26)	
60p	G3(9,2)	P13(5,26)	
61l		P13(1,7)	
61p	G3(4,2) G3(14,8)	P13(14,7)	
62l		P13(1,8)	
62p	G3(20,1) G3(16,8)	P13(14,8)	
63	G3(13,7)	P13(9,5)	
64l	G3(2,22)	P6(8,12)	
64p		P6(12,3)	
65l	G3(7,23)	P6(10,12)	
65p		P6(19,10)	
66l	G3(9,23)	P6(13,12)	
66p		P6(16,10)	
67l	G3(13,23)	P6(15,12)	
67p		P6(14,10)	
68l	G3(17,23)	P6(12,4)	
68p		P6(8,10)	
69	G4(7,3)	P13(20,2)	
70	G4(2,3)	P13(20,5)	
71	G4(7,2)	P13(20,7)	
72	G4(2,5)	P14(20,9)	
72a	G4(2,5)	P14(15,8)	
73	G4(7,3)	P13(20,9)	
74	G4(6,2)	P13(15,8)	
75	G4(3,1)	P6(20,6)	
76l	G4(2,2)	P14(16,7)	
76p		P14(18,7)	
77al		P14(15,12)	
77ap		P14(19,12)	
77l		P14(16,10)	
77p		P14(19,10)	
78al		P14(16,12)	
78ap	G4(6,5)	P14(18,12)	
78l		P14(17,10)	
78p	G4(6,4)	P14(18,10)	
79l	G4(3,5)	P14(16,14)	
79p		P14(18,14)	
80	G3(19,7)	P13(13,3)	
81l	G3(20,10)	P13(14,6)	
81p		P13(13,6)	
82	G3(20,8)	P13(19,13)	
83l	G3(2,25)	P15(1,5)	
83p		P16(8,1)	
84al	G3(4,25)	P15(3,5)	
84ap		P16(6,1)	
84l	G3(3,25)	P15(2,5)	
84p		P16(7,1)	
85l	G3(4,28)	P15(4,5)	
85p		P16(5,1)	
86l	G3(5,29)	P15(7,5)	
86p		P16(3,2)	
87l	G3(8,26)	P15(10,5)	
87p		P15(19,2)	
88l	G3(8,25)	P15(11,5)	
88p		P15(18,2)	
89l	G3(9,26)	P15(13,5)	
89p		P15(16,2)	
90l	G3(11,26)	P15(17,5)	
90p		P15(12,2)	
91l	G3(15,26)	P16(2,5)	
91p		P15(7,2)	
92l	G3(18,25)	P16(5,4)	
92p		P15(4,2)	
93l	G3(19,25)	P16(7,4)	
93p		P15(2,2)	
94l	G3(19,25)	P16(8,4)	
94p		P15(1,1)	
95l	G3(2,27)	P15(1,7)	

Part Id	Assembly Guide	Parts Atlas	Comment
95p		P16(8,3)	
96l	G3(2,28)	P15(2,7)	
96p		P16(7,3)	
97l	G3(2,28)	P15(3,7)	
97p		P16(6,3)	
98l	G3(3,28)	P15(5,7)	
98p		P16(4,4)	
99l	G3(7,29)	P15(9,7)	
99p		P16(2,4)	
100l	G3(8,29)	P15(11,7)	
100p		P15(19,4)	
101l	G3(8,28)	P15(12,7)	
101p		P15(18,4)	
102l	G3(9,29)	P15(13,8)	
102p		P15(17,4)	
103l	G3(10,29)	P15(15,8)	
103p		P15(14,4)	
104l	G3(11,29)	P15(17,7)	
104p		P15(13,4)	
105l	G3(11,29)	P15(18,7)	
105p		P15(11,4)	
106l	G3(13,29)	P16(1,7)	
106p		P15(9,4)	
107l	G3(14,29)	P16(2,7)	
107p		P15(8,4)	
108l	G3(20,26) G3(16,29)	P16(5,6)	
108p		P15(4,4)	
109l	G3(20,27)	P16(8,6)	
109p		P15(1,3)	
110l	G3(20,27)	P15(1,9)	
110p		P15(6,9)	
111l		P15(3,9)	
111p		P15(4,9)	
112al	G3(19,28) G4(15,5)	P15(2,12)	
112ap		P15(5,12)	
112l	G3(19,28) G4(15,5) G4(16,5)	P15(2,10)	
112p		P15(5,10)	
113al	G3(20,22)	P13(20,15)	
113ap		P13(15,15)	
113l	G3(20,21)	P13(20,16)	
113p		P13(15,16)	
114l		P13(19,17)	
114p		P13(16,17)	
115	G4(20,11)	P9(8,14)	
116l		P9(4,22)	
116p	G4(9,3)	P9(2,2)	
117al		P13(11,19)	
117ap		P13(11,19)	
117l		P13(9,20)	
117p		P13(9,21)	
118al		P13(16,20)	
118ap		P13(16,21)	
118l		P13(13,20)	
118p		P13(13,21)	
119	G4(16,2)	P9(13,28)	
120	G4(7,6)	P14(2,15) P14(7,15)	
120a	G4(7,6)	P14(2,14) P14(7,14)	
120b	G4(6,6)	P14(2,13) P14(7,13)	
120c	G4(7,7)	P14(2,12) P14(7,12)	
120d	G4(6,6) G4(3,7)	P14(2,10) P14(7,10)	
120e	G4(7,7)	P6(14,14)	
120f	G4(8,6) G4(6,8)	P6(16,14)	
120g	G4(7,6)	P6(15,14)	
120h	G4(7,7) G4(3,6)	P6(18,15)	
121l	G4(10,7)	P13(16,26)	
121p		P13(19,26)	
122l	G4(13,8)	P13(20,21)	
122p		P13(20,19)	
123l	G4(10,7)	P13(18,25)	
123p		P13(16,25)	
124l	G4(3,15)	P13(9,26)	
124p		P13(12,26)	
125l	G4(2,15)	P13(9,24)	
125p		P13(12,24)	
126l	G4(3,12)	P13(9,22)	
126p		P13(12,23)	
127al	G4(20,8)	P9(18,25)	
127ap		P9(18,23)	
127bl	G4(18,8) G4(18,9)	P9(17,25)	
127bp		P9(17,23)	
127cl	G4(19,9) G4(5,15)	P6(8,15)	
127cp		P6(10,15)	
127l	G4(20,6)	P9(19,25)	
127p		P9(19,23)	
128al	G4(17,6)	P9(15,25)	
128ap		P9(15,22)	
128bl	G4(16,9)	P9(14,25)	
128bp		P9(14,23)	
128cl	G4(17,9) G4(4,15)	P6(8,15)	
128cp		P6(10,15)	

Part Id	Assembly Guide	Parts Atlas	Comment
128l	G4(18,6)	P9(16,25)	
128p		P9(16,23)	
129al	G4(15,6)	P9(12,25)	
129ap		P9(12,23)	
129bl	G4(14,7) G4(15,8)	P9(11,25)	
129bp		P9(11,23)	
129cl	G4(16,9) G4(3,15)	P6(7,15)	
129cp		P6(11,15)	
129l	G4(16,6)	P9(13,25)	
129p		P9(13,23)	
130l		P13(15,23)	
130p		P13(16,23)	
131a	G4(8,14) G5(27,15)	P9(11,8)	
131l	G4(8,14) G5(26,16)	P9(7,11)	
131p		P9(7,13)	
132l	G4(20,13)	P9(7,9)	
132p		P9(5,9)	
133l	G4(16,15)	P9(20,29)	
133p		P9(20,27)	
134al	G4(15,12)	P9(4,13)	
134ap		P9(4,12)	
134l	G4(15,11)	P9(3,13)	
134p		P9(3,12)	
135l	G4(13,15)	P9(6,29)	
135p		P9(6,27)	
136al	G4(16,10)	P9(10,7)	
136ap		P9(7,8)	
136bl	G4(15,10)	P9(11,8)	
136bp		P9(6,8)	
136cl	G4(15,9) G4(9,11)	P9(12,8)	
136cp		P9(5,8)	
136dl	G4(17,10)	P6(5,16)	
136dp		P6(1,16)	
136el	G4(18,10)	P6(4,15)	
136ep		P6(2,15)	
136l	G4(15,10)	P9(9,8)	
136p		P9(8,8)	
137al	G4(12,11)	P9(5,20)	
137ap		P9(5,16)	
137bl	G4(13,15)	P9(6,2)	
137bp		P9(6,3)	
137l	G4(12,11)	P9(5,19)	
137p		P9(5,17)	
139al		P14(7,23)	
139ap		P14(18,25)	
139bl		P14(8,23)	
139bp		P14(19,25)	
139l		P14(7,25)	
139p	G4(3,16)	P14(19,23)	
140ap		P14(15,25)	
140bl	G4(2,20)	P14(5,23)	
140bp		P14(17,25)	
140l		P14(5,25)	
140p		P14(16,23)	
141al	G4(1,21)	P14(2,23)	
141ap		P14(13,25)	
141bl	G4(12,15) G4(5,20) G4(3,21)	P14(3,23)	
141bp		P14(14,25)	
141l	G4(2,21)	P14(2,25)	
141p		P14(13,23)	
142al		P14(18,20)	
142ap		P14(18,28)	
142bl	G4(7,21)	P14(19,20)	
142bp		P14(19,28)	
142l		P14(19,22)	
142p		P14(19,27)	
143al		P14(16,20)	
143ap		P14(16,28)	
143bl	G4(9,21)	P14(17,20)	
143bp		P14(17,28)	
143l		P14(16,22)	
143p		P14(16,27)	
144al		P14(13,20)	
144ap		P14(13,28)	
144bl	G4(11,21)	P14(14,20)	
144bp		P14(14,28)	
144l		P14(13,22)	
144p		P14(13,27)	
145al		P14(10,20)	
145ap		P14(10,28)	
145bl	G4(15,21)	P14(11,20)	
145bp		P14(11,28)	
145l		P14(11,22)	
145p		P14(11,27)	
146al		P14(7,20)	
146ap		P14(7,28)	
146bl	G4(17,15)	P14(8,20)	
146bp		P14(8,28)	
146l		P14(8,22)	
146p		P14(8,26)	

Part Id	Assembly Guide	Parts Atlas	Comment
147al		P14(4,20)	
147ap		P14(4,28)	
147bl	G4(18,15)	P14(6,20)	
147bp		P14(6,28)	
147l		P14(5,22)	
147p		P14(5,26)	
148al		P14(1,20)	
148ap		P14(1,28)	
148bl	G4(19,15)	P14(3,20)	
148bp		P14(3,28)	
148l		P14(2,22)	
148p		P14(2,26)	
149	G4(4,21)	P7(3,11)	
149a	G4(4,21)	P14(14,16)	
150	G4(8,21) G5(16,15)	P14(17,18)	
150a	G4(8,21) G5(16,16)	P14(19,17)	
151	G4(11,21) G5(12,15) G5(11,18)	P14(8,9)	
151a	G4(12,21) G5(12,19)	P14(9,9)	
151b	G4(13,21) G5(11,20)	P14(10,9)	
152	G5(13,15) G5(13,18)	P14(13,18)	
152a	G5(14,19)	P14(14,18)	
152b	G5(13,20)	P14(15,18)	
153l	G4(12,15)	P14(4,7)	
153p		P14(1,5)	
154a	G4(3,28)	P10(18,4)	
154b	G4(11,26)	P10(19,5)	
154l		P10(18,1)	
154p	G4(5,28)	P10(18,2)	
155	G4(9,28)	P9(8,13)	
155a	G4(10,28)	P9(9,13)	
155b	G4(11,28)	P9(10,13)	
155c	G4(10,26)	P9(8,9)	
155d	G4(9,26)	P9(8,10)	
156a	G4(3,25)	P13(6,28)	
156b	G4(4,25)	P14(10,5)	
156l	G4(3,25)	P14(13,9)	
156p	G13(12,20)	P14(12,18)	
157a	G4(6,25)	P13(10,28)	
157b	G4(7,24) G13(12,19)		
157l	G4(5,25)	P14(11,9)	
157p		P14(12,5) P14(7,18)	
158a	G4(9,25)	P13(15,28)	
158b	G4(10,25)	P14(14,5)	
158l	G4(9,25)	P14(12,14)	
158p	G13(12,11)	P14(6,18)	
159a	G4(11,24)	P13(17,28)	
159b	G4(12,24)	P14(7,5)	
159l	G4(11,25)	P14(10,14)	
159p	G13(12,9)	P14(1,18)	
160	G4(16,27)	P9(12,5)	
160a	G4(16,27)	P9(16,9)	
160b	G4(16,26)	P9(20,8)	
160c	G4(16,25)	P9(17,8)	
160d	G4(16,25)	P9(19,7)	
161l		P13(2,6)	
161a	G4(18,28)	P13(3,6)	
161b	G4(18,28)	P7(2,7)	
161c	G4(19,27)	P7(3,3)	
161d	G4(20,24)	P7(2,5)	
161e	G4(19,28)	P9(20,5)	
161f	G4(19,27)	P9(16,5)	
161g	G4(19,26)	P9(20,4)	
161h	G4(19,25)	P9(17,3)	
161i	G4(19,24)	P9(20,2)	
161j	G4(19,25)	P9(20,1)	
162	G4(16,28) G5(5,14)	P9(11,3)	
163	G5(24,15)	P9(12,3)	
164al		P15(15,10)	
164ap	G5(9,19)	P15(15,9)	
164bl		P6(9,17)	
164bp	G5(10,19)	P6(1,17)	
164l		P15(8,10)	
164p	G5(14,15) G5(9,20)	P15(8,9)	
165	G5(28,4)	P16(19,1)	
166l		P16(19,6)	
166p	G5(26,4)	P16(18,6)	
167	G5(2,3)	P16(16,2)	
168l	G5(2,3)	P16(13,2)	
168p	G5(7,3)	P16(14,2)	
169l		P16(20,4)	
169p	G5(6,4) G5(7,4)	P16(15,4)	
170l		P16(16,4)	
170p	G5(8,1)	P16(12,5)	
171l		P16(17,6)	
171p	G5(8,2)	P16(10,6)	
172l		P16(14,6)	
172p	G5(10,3)	P16(13,6)	
173l		P16(17,7)	
173p	G5(10,3)	P16(10,7)	
174al		P16(13,8)	

Part Id	Assembly Guide	Parts Atlas	Comment
174ap	G5(10,4)	P16(14,8)	
174l		P16(17,8)	
174p	G5(9,4)	P16(10,8)	
175	G5(13,2) G5(3,9)	P15(4,13)	
175a	G5(2,9)	P15(4,14)	
175b	G5(2,8)	P15(1,15)	
176	G5(12,3) G5(3,7)	P15(6,15)	
176a	G5(3,6)	P15(6,14)	
177	G5(14,2) G5(9,8)	P9(13,3)	
177a	G5(8,7)	P9(13,2)	
178	G5(9,9) G5(9,7) G13(16,6)	P9(14,16)	
178a	G5(10,8)	P9(13,16)	
179	G5(6,6) G5(14,6)	P15(1,17)	
180	G5(6,5)	P15(3,18)	
180a	G5(6,6)	P15(4,18)	
181	G5(4,5) G5(14,5)	P15(6,18)	
181a	G5(4,6)	P15(7,18)	
182	G5(15,3) G5(8,5) G5(10,9)	P15(2,20)	
182a	G5(8,5)	P6(1,19)	
182b	G5(7,6)	P15(2,21)	
182c	G5(10,6)	P15(6,20)	
182d	G5(9,6)	P15(6,21)	
182e	G5(10,5) G7(12,27)	P1(14,22)	
182f	G5(10,6)	P15(2,23)	
182g	G5(11,6)	P15(16,23)	
182h	G5(10,5)	P15(14,23)	
182i	G5(12,5) G5(15,5)	P15(5,22)	
182j	G5(13,5)		
182k	G5(13,5)		
183		P10(1,15)	
183a		P10(1,17)	
183b	G5(16,2)	P10(1,18)	
184		P10(4,15)	
184a		P10(4,17)	
184b	G5(17,2)	P10(4,18)	
185		P10(7,15)	
185a		P10(7,17)	
185b	G5(19,2)	P10(7,18)	
186	G5(3,15)	P10(10,15)	
186a	G5(3,12)	P10(10,17)	
186b	G5(20,3) G5(2,13)	P10(10,18)	
187	G5(11,16)	P10(5,20)	
187a	G5(11,16)	P10(3,20)	
187b	G5(11,18)	P10(2,20)	
188		P10(7,20)	
188a		P10(7,20)	
189		P10(9,20)	
189a		P10(10,20)	
190	G5(9,17)	P10(11,19)	
190a	G5(9,18)	P10(12,21)	
191	G5(12,18)	P10(2,22)	
192	G5(13,18)	P10(3,22)	
192a	G5(13,16)	P10(3,24)	
193	G5(10,16)	P10(6,22)	
193a	G5(9,16)	P10(5,22)	
193b	G5(10,16)	P10(9,22)	
194	G5(15,2) G5(10,9) G5(15,16)	P10(11,22)	
195	G5(15,18)	P10(12,22)	
196	G5(8,19)	P15(16,16)	
196a	G5(6,19)	P16(2,8)	
196b		P16(1,8)	
196c	G5(7,20)	P16(3,8)	
197	G5(6,18)	P15(19,16)	
197a	G5(6,19)	P6(8,18)	
197b	G5(5,18)	P15(8,14)	
197c	G5(5,19)	P15(9,14)	
198	G5(6,16)	P15(11,14)	
199	G5(6,17)	P15(12,14)	
199a	G5(6,17)	P6(10,17)	
200	G5(7,17) G5(7,18)	P15(10,16)	
201	G5(8,16)	P15(9,18)	
201a	G5(6,15) G5(8,16)	P15(10,18)	
201b	G5(6,16)	P15(12,18)	
201c	G5(6,14)	P15(13,18)	
201d	G5(17,3) G5(11,9) G5(8,14)	P15(14,18)	
202	G5(19,18)	P15(18,14)	
203	G5(18,4)	P15(7,11)	
203a	G5(19,16)	P15(8,11)	
203b	G5(19,17)	P15(11,11)	
203c	G5(17,16)	P15(15,12)	
203d	G5(17,17)	P15(14,12)	
203e	G5(19,16)	P6(6,18)	
203f	G5(19,17)	P15(12,12)	
204	G5(18,2) G5(18,8)	P16(17,9) P16(15,9)	
204a	G5(19,9)	P16(16,12) P16(17,12)	
204b	G5(19,9)	P16(16,9)	
204c	G5(21,9)	P6(1,24)	
204d	G5(20,9)	P6(4,23)	
204e	G5(20,8)	P6(4,22)	
204f	G5(22,9)	P15(9,24)	

Part Id	Assembly Guide	Parts Atlas	Comment
204g	G5(23,9)	P6(5,20)	
204h	G5(21,7)	P6(4,21)	
205	G5(19,3) G5(17,9) G13(3,27)	P15(9,21)	
205a	G5(16,8)	P6(2,25)	
205b	G5(15,9) G5(16,9)	P6(3,27)	
205c	G5(15,8)	P6(1,27)	
205d	G5(15,7)	P15(10,21)	
206	G5(20,1) G5(14,9) G5(20,9) G13(6,27)	P16(10,9)	
206a	G5(13,8)	P7(16,8)	
206b	G5(11,9) G5(13,9)	P7(17,8)	
206c	G5(11,8)	P7(16,9)	
206d	G5(12,7)	P16(11,9)	
207	G5(20,19)	P16(4,10)	
207a		P6(6,23)	
207b	G5(21,20)	P6(6,24)	
207c	G5(21,18)	P6(7,20)	
208	G5(21,1) G5(21,18)	P16(1,12)	
208a	G5(20,18)	P6(11,19)	
208b	G5(20,19)	P6(10,21) P6(12,21)	
208c	G5(22,17)	P6(11,21)	
208d	G5(20,18)	P6(9,20)	
209	G5(21,19)	P16(5,13)	
209a	G5(22,19)	P6(9,23)	
210	G5(21,2) G5(24,17)	P9(6,4)	
210a	G5(23,16)	P9(7,4)	
211	G5(22,2) G5(23,2) G5(23,8)	P16(18,9) P16(20,9)	
211a	G5(24,9)	P16(19,12) P16(19,12)	
211b	G5(25,9)	P16(19,9)	
211c	G5(26,9)	P6(7,27)	
211d	G5(26,8)	P6(10,27)	
211e	G5(26,7)	P6(10,26)	
211f	G5(28,9)	P16(15,12)	
211g	G5(28,8)	P6(20,25)	
211h	G5(27,7)	P6(19,26)	
212	G5(27,10)	P16(10,14)	
212a	G5(27,9)	P16(11,14)	
212b	G5(27,9)	P6(19,27)	
213	G5(21,3) G5(24,18)	P15(16,18)	
213a	G5(26,19)	P15(17,19)	
213b	G5(24,18)	P6(13,17)	
213c	G5(26,18)	P6(14,17)	
213d	G5(25,19)	P15(15,21)	
213e	G5(25,19)	P6(15,17)	
213f	G5(26,19)	P6(15,19)	
213g	G5(26,18)	P15(19,20)	
213h	G5(25,17)	P15(18,20)	
213i	G5(27,17)	P15(19,18)	
213j	G5(26,17) G5(28,18)	P15(17,18)	
213k	G5(28,19)	P15(16,21)	
213l	G5(28,19)	P6(16,17)	
213m	G5(27,20)	P15(19,22)	
214		P10(2,25)	
214a		P10(1,25)	
215		P10(4,25)	
215a		P10(5,25)	
216	G5(13,3) G5(6,8) G5(3,11)	P10(8,24)	
216a	G5(2,11)	P10(7,24)	
216b	G5(3,11)	P7(5,22)	
216c	G5(3,12)	P7(2,21)	
216d	G5(4,11)	P7(7,22)	
217al	G5(17,19)	P10(3,28)	
217ap		P10(10,28)	
217bl	G5(16,19)	P10(5,28)	
217bp		P10(12,28)	
217cl	G5(16,18)	P10(6,28)	
217cp		P10(12,28)	
217dl	G5(16,20)	P10(7,28)	
217dp		P10(14,28)	
217l	G5(15,1) G5(17,19)	P10(2,28)	
217p		P10(9,28)	
218	G5(19,1)	P10(19,28) P10(15,28) P10(14,25) P10(11,25)	
218a		P10(18,28) P10(16,28) P10(13,25) P10(12,25)	
218b		P10(14,23) P10(20,28)	
219	G5(2,1) G5(3,7) G5(2,18)	P16(5,8)	
219a	G5(4,18)	P16(6,12)	
219b	G5(4,17)	P16(6,12)	
219c	G5(2,18)	P16(8,13)	
219d	G5(4,19)	P16(6,13)	
219e	G5(2,19)	P16(8,14)	
219f	G5(3,19)	P16(6,14)	
219g	G5(2,17)	P16(7,11)	
219h	G5(4,17)	P16(6,10)	
219i	G5(2,16)		
219j	G5(4,16)	P16(6,9)	
219t		P16(7,9)	
220	G5(16,6)	P10(16,10) P10(16,10)	
220a	G5(17,5) G5(19,5)	P10(20,10) P10(20,10)	
220b	G5(18,5)	P10(16,11) P10(16,11)	
220c	G5(18,7)	P10(16,12) P10(16,12)	
220d	G5(18,5)	P10(18,13) P10(18,13)	

Part Id	Assembly Guide	Parts Atlas	Comment
220e	G5(19,7)	P10(19,13) P10(19,13)	
220f	G5(20,5)	P10(20,12) P10(20,12)	
220g	G5(19,5)	P10(20,11) P10(20,11)	
220h	G5(20,7)	P10(17,13) P10(17,13)	
220i	G5(21,7)	P10(16,13) P10(16,13)	
220j		P7(5,11)	
221	G12(14,2)	P9(17,20)	
221a	G12(16,4)	P9(13,19)	
221b	G12(16,2) G13(5,4)	P10(20,25)	
221c	G12(18,1)	P9(19,17)	
221d	G12(18,2)	P9(16,17)	
221e	G12(18,3)	P7(6,16)	
221f	G12(18,4)	P7(6,17)	
221g	G12(15,2)	P7(4,15)	
221h	G12(17,3)	P6(18,16)	
221i	G12(18,4)	P6(19,16)	
221j		P9(13,21)	
222		P9(13,12)	
222a	G12(22,4)	P9(16,16)	
222b	G12(21,2) G13(7,5)	P10(20,23)	
222c	G12(23,1)	P9(16,10)	
222d	G12(24,2)	P9(15,10)	
222e	G12(23,3)	P7(5,19)	
222f	G12(23,4)	P7(5,19)	
222g	G12(21,2)	P7(3,18)	
222h	G12(22,3)	P7(7,8)	
222i	G12(23,4)	P7(9,8)	
222j	G12(20,1)	P9(16,13)	
223	G12(25,2)	P9(20,13)	
223a	G12(27,4)	P9(18,16)	
223b	G12(27,2) G13(5,2)	P10(15,24)	
223c	G12(28,1)	P9(19,10)	
223d	G12(29,2)	P9(19,10)	
223e	G12(28,3)	P7(2,20)	
223f	G12(28,4)	P7(5,21)	
223g	G12(26,2)	P7(6,21)	
223h	G12(27,3)	P6(18,19)	
223i	G12(29,4)	P6(19,19)	
223j	G12(25,1)	P9(20,16)	
224	G6(2,6) G6(10,7) G7(2,12) G7(3,12) G7(4,12) G8(11,17) G11(9,19) G12(27,20)	P1(2,13)	
225	G6(2,3) G7(5,4)	P17(4,2)	
226	G6(6,4) G6(11,2) G7(2,2)	P17(5,4)	
226a	G6(5,2) G7(5,2)	P6(12,27)	
226b		P6(11,27)	
227	G6(4,5) G6(9,4) G6(12,12) G7(3,3)	P17(4,3)	
228	G6(11,7) G7(3,6)	P15(18,13)	
229	G6(8,5) G7(3,8)	P16(11,1)	
230	G6(15,2)	P17(1,6)	
230a	G6(3,13)	P15(5,25)	
230b	G6(16,7) G6(1,12)	P17(1,14)	
230c	G6(2,13)	P17(1,17)	
230d	G6(5,9)	P17(3,19)	
230e	G6(20,3) G6(20,6)	P17(5,8)	
230f	G6(18,7)	P17(1,8)	
230g	G6(18,2) G6(9,12) G8(9,11)	P17(3,11)	
230h	G6(2,10)	P16(10,5)	
230i	G6(4,13)	P16(2,17)	
230j	G6(20,9)	P17(5,11)	
230k	G6(20,10)	P17(5,12)	
230l	G6(19,9)	P6(7,28)	
231	G6(16,9) G7(5,2)	P7(9,28)	
232	G6(15,10)	P6(15,22)	
232a	G6(15,10) G7(2,3)	P6(14,22)	
233	G6(16,9) G7(3,2)	P17(7,1)	
234	G6(16,13)	P17(1,20)	
235	G7(5,1) G8(11,10)	P17(3,20)	
235a	G7(5,2)	P17(6,20)	
235b	G7(9,2)	P7(9,15)	
236	G7(6,12) G8(11,16) G11(8,18) G12(27,19)	P1(3,13)	
237	G7(5,3)	P7(6,18)	
238	G7(6,3)	P17(5,21)	
239	G6(2,17) G6(8,17) G6(18,17) G7(8,8) G7(7,12) G8(11,8) G11(9,8)	P1(5,11)	
240	G6(15,19) G7(8,12)	P16(14,16)	
240a	G6(17,17) G7(10,11)	P16(13,14)	
240b	G6(15,17) G7(9,11)	P6(10,28)	
241	G6(2,19) G7(8,5)	P17(3,25)	
242	G6(4,17) G6(12,17) G7(8,4)	P17(1,27)	
242a	G6(4,19) G7(8,4)	P17(4,25)	
242b	G6(10,17) G6(12,27) G7(9,5)	P17(1,29)	
242c	G6(6,17) G7(9,4)	P7(9,17)	
242d	G6(6,19)	P7(7,17)	
243	G6(6,24) G8(9,4) G8(9,5)	P17(4,22)	
243a	G6(3,23) G6(15,24) G8(11,4)	P17(2,23)	
243b	G6(19,24)	P17(4,26)	
244	G7(16,1) G8(11,3)	P17(4,27)	
244a	G7(16,2)	P17(4,28)	
244b	G7(19,2)	P6(1,28)	
245	G7(8,10)	P17(6,2)	
246	G7(10,10) G8(11,2) G11(9,1) G11(5,2)	P1(7,8)	

Part Id	Assembly Guide	Parts Atlas	Comment
247	G7(11,10)	P17(7,5)	
248	G7(2,9) G7(3,9) G7(5,10) G11(9,18)	P17(6,28)	
248a	G7(4,10)	P17(8,28)	
249	G7(12,12) G7(14,12) G8(19,16) G11(23,18) G12(7,18)	P1(9,11)	
250	G7(15,5)	P17(11,2)	
251	G7(13,3)	P17(12,4)	
251a	G7(15,3)	P6(13,27)	
251b		P6(14,27)	
252	G7(14,4)	P17(10,3)	
253	G7(14,7)	P15(19,13)	
254	G7(14,8)	P16(4,15)	
255		P17(8,5)	
255a		P15(17,24)	
255b		P17(7,12)	
255c		P17(7,15)	
255d		P17(9,16)	
255e		P17(9,7)	
255f	G8(17,11)	P17(9,9)	
255g		P16(3,19)	
255h		P16(3,21)	
255i		P17(11,7)	
255j		P17(12,9)	
255k		P6(17,28)	
256	G7(15,3)	P6(15,27)	
257		P6(18,22)	
257a	G7(13,4)	P6(17,22)	
258	G7(14,3)	P17(14,1)	
259		P17(11,10)	
260	G7(10,1) G8(19,10)	P17(13,11)	
260a	G7(10,2)	P17(13,12)	
260b	G7(14,2)	P7(8,20)	
261	G7(16,12) G8(19,9)	P1(11,10)	
262	G7(17,12)	P16(8,8)	
262a	G7(18,11)	P16(7,7)	
262b	G7(18,11)	P6(11,28) P7(9,25)	
263		P17(8,22)	
264		P17(6,23)	
264a		P17(9,22)	
264b		P17(6,25)	
264c		P7(8,19)	
264d		P7(9,21)	
265	G8(17,6)	P17(10,19)	
265a	G8(19,5)	P17(8,20)	
265b		P17(9,23)	
266	G7(17,3) G8(19,5)	P17(11,22)	
266a	G7(17,3)	P17(11,23)	
266b	G7(20,3)	P6(13,28)	
267	G7(17,10)	P17(5,26)	
268	G7(19,10) G8(19,4) G11(23,2)		
268b		P1(12,8)	
269	G7(20,10)	P17(7,26)	
270	G7(1,21) G7(2,22) G7(3,21) G8(22,17) G12(15,9)	P1(15,6)	
271	G7(3,13)	P17(17,3) P17(19,3)	
271a	G7(2,13)	P17(18,2) P17(20,2)	
272l	G7(2,13) G7(2,15)	P17(18,3)	
272p	G7(3,13) G7(3,15)	P17(19,1)	
273	G7(4,15)	P15(4,24)	
274	G7(3,16) G8(24,16)	P15(2,24)	
275	G7(2,17) G7(3,17) G8(22,16)	P15(1,26)	
276	G7(3,18) G8(21,16)	P15(4,26)	
277	G7(5,14) G8(26,16)	P17(16,3)	
278	G7(1,28) G8(25,15)	P1(16,10)	
279	G7(3,27)	P15(4,25)	
280	G7(6,13) G7(3,25) G8(26,15)	P1(18,7)	
281	G7(4,14) G8(25,14)	P6(20,22)	
282	G7(5,19)	P17(17,8)	
282a		P17(19,9)	
282b		P17(19,7)	
284	G5(4,7) G7(19,14)	P17(15,6)	
284a	G7(5,19) G7(18,14) G7(19,14) G7(20,14) G8(3,16)	P17(16,6)	
284b	G7(19,15)	P17(15,5)	
284c	G7(20,16)	P17(19,6)	
284d	G7(18,16)	P17(18,6)	
285	G5(3,5) G7(5,18) G7(4,28) G8(3,15)	P1(19,11)	
286	G5(5,7) G7(6,19) G8(3,17)	P6(20,23)	
287	G9(12,15) G9(5,6)	P2(5,29)	
288	G9(13,11)	P2(13,27)	
289	G9(13,5)	P3(6,24)	
290	G9(21,12)	P2(17,28)	
291	G9(21,9)	P3(20,21)	
292	G7(7,16) G10(9,11) G12(24,10)	P1(8,19)	
293	G7(9,16)	P17(14,8)	
293a	G7(8,16)	P7(6,10)	
294	G7(5,16)	P17(13,10)	
295	G12(22,15)	P3(15,2)	
296	G7(10,13) G10(7,3) G10(8,13) G11(4,13) G11(1,13)	P1(5,15)	
297	G7(12,13)	P17(15,14)	
298	G7(8,13)	P17(12,14)	
299	G9(4,4) G10(7,4) G10(14,15) G11(7,18)	P2(1,17)	
300	G7(11,15) G10(8,6) G11(5,6) G11(3,7)	P1(6,16)	

Part Id	Assembly Guide	Parts Atlas	Comment
301	G7(13,15)	P17(14,17)	
302	G7(10,15)	P17(12,16)	
303	G9(2,10) G10(13,8) G11(5,9) G12(16,6) G12(16,7) G12(16,19) G12(16,17) G12(17,15)	P2(3,8)	
304	G7(12,16) G10(8,2) G11(10,2) G11(5,4)	P1(6,17)	
305	G7(13,16)	P17(14,19)	
306	G7(11,16)	P17(12,18)	
307	G10(9,4) G11(11,3)	P2(4,2)	
308	G7(14,18) G10(16,13) G11(18,13) G11(15,13)		
309	G7(13,18)	P17(14,21)	
310	G7(17,18)	P17(12,20)	
311	G7(10,18)	P1(7,20) P6(19,24)	
312	G7(9,17)		
313	G7(9,18)	P6(16,24)	
314	G10(21,15) G11(21,17)	P3(12,18)	
315	G7(18,18) G11(27,12) G12(14,13)	P1(17,17)	
316	G7(10,17)	P6(17,24)	
317	G7(8,17)	P6(14,24)	
318	G7(11,20) G10(16,7) G11(19,7) G11(16,8)	P1(6,21)	
319	G7(13,20)	P17(14,23)	
320	G7(10,20)	P17(13,23)	
321	G7(9,20)	P6(17,27)	
322	G10(17,8) G11(26,10)	P3(11,7)	
323	G7(12,21) G10(17,3) G11(24,2)	P1(6,22)	
324	G7(13,21)	P17(19,14)	
325	G7(11,22)	P17(17,14)	
326	G10(17,5) G11(25,4)	P3(10,2)	
327	G7(17,20) G12(14,13)	P1(17,16)	
328	G7(18,20)	P17(17,16)	
329	G7(19,20)	P17(19,16)	
330	G12(14,16)	P2(17,9)	
330a	G12(9,18) G12(9,19) G13(18,22)	P14(11,23)	
330b	G12(10,19)	P14(10,25)	
330c	G12(14,19) G12(14,20)		
331	G7(18,21) G12(11,6)	P1(17,15)	
332	G7(18,21)	P17(17,18)	
333	G7(17,21) G7(19,21)	P17(19,18)	
334	G12(12,9)	P2(19,19)	
335	G7(11,23) G10(26,17) G12(17,8)	P1(6,24)	
336	G7(13,23)	P17(19,21)	
337	G7(10,23)	P17(17,21)	
338	G10(26,18) G12(17,10)	P3(20,24)	
339	G7(12,25) G10(27,14) G12(22,6)	P1(6,25)	
340	G7(13,25)	P17(19,23)	
341	G7(11,25)	P17(17,22)	
342	G10(28,18) G12(23,10)	P3(7,29)	
343	G13(4,27) G13(11,26) G13(18,27)		
343a	G13(10,26)	P11(4,1)	
343b	G13(11,27)	P12(17,18)	
343c	G13(12,25)	P12(19,18)	
343d	G13(13,26)	P12(19,1)	
344	G13(2,13)	P5(1,20)	
344a	G13(2,12)	P5(5,18)	
344b	G13(3,14)	P5(5,19)	
344c	G13(2,11)	P5(5,20)	
344d	G13(4,13)	P5(5,21)	
344e	G13(3,11)	P5(5,22)	
344f	G13(5,13)	P5(5,24)	
344g	G13(4,11)	P5(5,25)	
344h	G13(5,13)	P5(5,26)	
344i	G13(5,11)	P5(5,27)	
344j	G13(6,11)	P5(5,28)	
345	G13(2,16)	P15(13,26)	
345a	G13(3,18)	P15(14,26)	
345b	G13(3,15)	P15(15,26)	
345c	G13(4,17)	P15(16,26)	
345d	G13(3,15)	P15(17,26)	
345e	G13(5,17)	P15(18,26)	
345f	G13(5,15)	P15(19,26)	
346	G13(2,17)	P15(3,28)	
347	G13(5,15)	P15(11,29)	
348	G13(2,22)		
348a	G13(3,22)		
348al		P17(18,24)	
348ap		P17(18,28)	
348b	G13(3,22)		
348bl		P17(17,24)	
348bp		P17(17,28)	
348c	G13(4,22)		
348cl		P17(16,24)	
348cp		P17(16,28)	
348d	G13(4,22)		
348dl		P17(15,24)	
348dp		P17(15,28)	
348e	G13(5,22)		
348el		P17(14,24)	
348ep		P17(14,28)	
348f	G13(5,21)		
348fl		P17(13,24)	
348fp		P17(13,28)	

Part Id	Assembly Guide	Parts Atlas	Comment
348g	G13(6,21)		
348gl		P17(12,24)	
348gp		P17(12,28)	
348h	G13(6,21)		
348hl		P17(11,24)	
348hp		P17(11,28)	
348l		P17(19,24)	
348p		P17(19,28)	
349l	G13(4,19)	P11(4,19)	
349p		P11(5,19)	
350l	G13(3,20)	P11(5,9)	
350p		P11(4,10)	
351	G13(1,21)	P5(3,21)	
352	G13(2,20)	P15(2,27)	
353	G13(6,20)	P5(8,4)	
353a		P5(6,3)	
354	G13(5,19)	P17(8,25)	
354a		P17(9,28)	
355	G13(6,19)	P5(8,2)	
355a		P5(6,2)	
356	G13(7,24) G13(4,23)		
356a	G13(3,24)	P11(14,2)	
356b	G13(4,23)	P12(7,2)	
1128a	G4(15,3)		
2222	G12(20,2)		
A	G1(4,8) G1(1,12) G1(15,17)	P5(18,11)	
B1	G8(13,12) G8(17,5) G8(17,6) G8(21,13) G8(29,13) G8(27,16) G8(22,17) G9(11,5) G9(11,7) G9(17,6) G9(17,12) G9(11,12) G9(12,13) G9(13,17) G9(17,17) G9(21,17) G9(21,15) G9(23,15) G9(24,15) G9(27,14) G9(20,10) G9(20,8) G9(19,6) G9(19,5) G10(12,6) G10(11,6) G10(7,10) G10(8,10) G10(19,8) G10(16,11) G10(17,11) G10(14,13) G10(15,13) G10(7,13) G10(17,17) G10(19,17) G10(7,17) G10(25,19) G10(23,18) G10(26,16) G10(29,13) G11(8,1) G11(8,3) G11(11,4) G11(9,5) G11(8,5) G11(5,5) G11(10,6) G11(7,12) G11(10,12) G11(12,12) G11(22,2) G11(23,5) G11(24,5) G11(21,5) G11(19,5) G11(24,7) G11(25,11) G11(24,13) G11(23,13) G11(21,11) G12(7,5) G12(10,6) G12(8,11) G12(12,12) G12(12,12) G12(13,12) G12(9,12) G12(9,14) G12(8,14) G12(9,19) G12(12,19) G12(21,17) G12(21,18) G12(23,5) G12(24,5) G12(22,7) G12(22,7) G12(26,11) G12(25,12) G12(26,13) G12(27,13) G13(16,4) G13(10,10) G13(18,8) G13(19,8) G13(16,5) G13(15,6) G13(19,23) G13(19,13)	P16(12,16)	
B2	G8(17,11) G10(12,14) G10(19,14) G10(19,17) G10(3,17) G10(5,17) G10(12,18) G11(3,6) G11(4,7) G11(8,7) G11(4,12) G11(17,7) G11(18,7) G11(18,12) G12(19,9) G13(10,12) G13(20,6) G13(18,6) G13(18,18) G13(20,17)	P16(20,24)	
B3	G11(8,14) G11(22,14) G13(10,13)	P16(3,25)	
B4	G11(2,12) G11(2,13) G11(16,12) G11(16,13) G13(10,15)	P16(2,25)	
B5	G11(8,10) G11(22,10) G13(10,17)	P16(3,23)	
B6	G11(7,6) G11(4,12) G11(7,14) G11(5,18) G11(21,14) G11(18,11) G11(19,17) G12(20,9) G12(21,10) G13(10,19)	P16(9,15)	
B7	G11(9,4) G11(8,12) G11(22,12) G12(8,8) G12(7,13) G12(27,10) G12(26,12) G13(10,21)	P16(3,22)	
B8	G13(10,23)	P16(10,17)	
B9	G8(13,11) G8(20,12) G13(12,23)	P16(3,21)	
B10	G13(10,3) G13(9,5) G13(10,25)	P16(18,7)	
Bl	G1(8,8) G1(6,13)	P5(10,10)	
BM	G8(21,20)		
Bp		P5(14,10)	
Cl	G1(10,8)	P5(4,11)	
Cp		P5(2,11)	
Dl	G1(3,8) G1(5,13)	P5(11,28)	
Dp		P5(13,28)	
DP1a	G8(7,20)		
DR1	G7(10,18) G7(14,28)	P1(17,22)	
DR2	G7(8,18) G7(14,28)	P1(18,22)	
DR3	G7(9,19) G7(16,27)	P1(17,24)	
DR4	G5(3,20) G7(16,28)	P1(17,25)	
DZ	G7(12,28)		
DZ1	G5(26,19) G7(13,28)	P1(16,22)	
El	G1(2,7) G1(2,13)	P5(6,13)	
Ep	G1(1,10)	P5(7,13)	
Fl	G1(5,17)	P4(5,26)	
FL1	G10(5,15)	P18(11,6)	
FL2	G10(12,1)	P18(13,8)	
FL3	G10(20,2)	P18(17,8)	
FL4	G10(26,14)	P18(2,10)	
Fp	G1(9,14)	P4(2,26)	
Gl	G1(20,2) G1(5,16)	P4(12,26)	
Gp	G1(17,15) G1(10,15)	P4(9,26)	
H	G1(20,5) G1(13,17) G1(5,15)	P5(7,7)	
i	G1(20,4) G1(16,16) G1(9,17)	P5(19,28)	
I	G1(2,4)	P4(3,2)	
II	G1(3,3)	P4(7,1)	
III	G1(3,3)	P4(13,1)	
IV	G1(4,3)	P4(19,2)	
IX	G1(10,2)	P4(13,9)	
J	G1(5,3) G1(8,12)	P4(18,27)	
J1	G7(17,23) G8(3,14) G8(8,18) G8(8,17) G8(16,17)	P16(19,25)	
J2	G7(17,25) G7(17,28) G8(9,10) G8(3,14)	P16(12,26)	
Ja	G1(6,8) G1(8,12)	P4(16,24) P4(17,24)	

Part Id	Assembly Guide	Parts Atlas	Comment
K	G1(15,17) G5(22,9) G5(28,9)	P4(7,24)	
K1	G13(16,2)	P16(10,24)	
K2	G13(16,25)	P16(4,26)	
K3	G13(14,2) G13(14,5) G13(14,7) G13(17,7) G13(13,9) G13(13,10) G13(17,11) G13(13,12) G13(17,12) G13(17,15) G13(17,18)	P16(11,27)	
K4	G13(19,9)	P16(11,26)	
L1	G5(23,7) G5(17,15) G7(7,21)	P7(19,10)	
L1a	G5(22,6)	P7(10,16)	
L1b	G5(24,5)	P7(10,16)	
L1c	G5(24,5)	P7(11,16)	
L1d	G5(25,6)	P7(12,16)	
L2	G5(28,1) G5(18,10) G5(27,6) G7(8,23) G13(7,2)	P7(15,16)	
L2a	G5(26,5)	P7(10,23)	
L2b	G5(27,5)	P7(11,23)	
L2c	G5(27,5)	P7(11,23)	
L2d	G5(28,6)	P7(12,23)	
N	G7(5,26) G13(20,2)	P1(2,28)	
P1	G13(2,10)	P7(10,15)	
P2	G13(7,7)	P7(10,11)	
P3	G13(4,7) G13(7,9)	P7(2,22)	
P4	G13(3,7)	P7(6,12)	
Pd2	G8(9,20)		
PD1	G7(19,25) G7(17,25) G8(8,20) G8(16,20)	P17(18,10)	
PD1a	G7(17,24) G8(16,17)		
PD2	G7(18,27) G7(19,27) G8(17,20)	P17(18,12)	
PD2a	G7(19,25) G7(17,26) G8(10,20) G8(17,20)		
PD3a	G7(19,28) G8(18,12)		
PD!	G8(18,20)		
PDa1	G7(19,23)		
Ru	G7(12,26) G13(4,19)	P1(17,20)	
S1	G8(21,17) G8(20,16)	P16(15,25)	
S2	G8(23,15)	P16(19,24)	
S3	G8(24,17) G8(23,16) G8(22,16)	P16(16,24)	
V	G1(5,3)	P4(6,5)	
VI	G1(6,2)	P4(12,5)	
VII	G1(7,2)	P4(19,5)	
VIII	G1(9,2)	P4(6,9)	
X	G1(11,2)	P4(19,9)	
XI	G1(12,2)	P4(12,14)	
XII	G1(14,2)	P4(18,14)	
XIII	G1(17,7) G1(16,10)	P4(5,14)	
XIIIa	G1(17,7) G1(20,13)	P4(16,24) P4(17,24)	
XIV	G1(18,7)	P4(5,20)	
XV	G1(19,6)	P4(11,20)	
XVI	G1(20,6)	P4(15,19)	
Z	G7(6,14) G7(5,26)	P1(4,28)	
ZA	G7(7,26) G8(4,17) G8(5,17) G8(13,18) G8(20,20) G8(19,20) G13(16,2) G13(18,7) G13(17,6) G13(14,6) G13(18,23) G13(18,17) G13(19,13)	P1(5,28)	
ZB	G7(8,26)	P1(7,28)	
ZC	G7(9,26) G8(26,16) G8(21,20) G8(20,20)	P1(8,28)	
ZD	G7(10,26) G8(27,14)	P1(9,28)	
ZE	G7(5,28) G8(11,18)	P1(12,28)	
ZF	G7(5,28) G8(9,12)	P1(12,28)	
ZG	G7(5,27) G8(10,5)	P1(12,27)	
ZH	G7(8,28) G8(17,17)	P1(16,28)	
ZI	G7(8,28)	P1(16,28)	
ZJ	G7(8,27) G8(19,7)	P1(16,27)	
Zl	G8(19,13)		

SHIPYARD
PAPER MODELS

HMS WOLF

PAPER MODEL
SCALE 1:96

КАРТОННАЯ МОДЕЛЬ
МАСШТАБ 1:96



ADDON BLOCKS