Le Coureur 1776
Section.2

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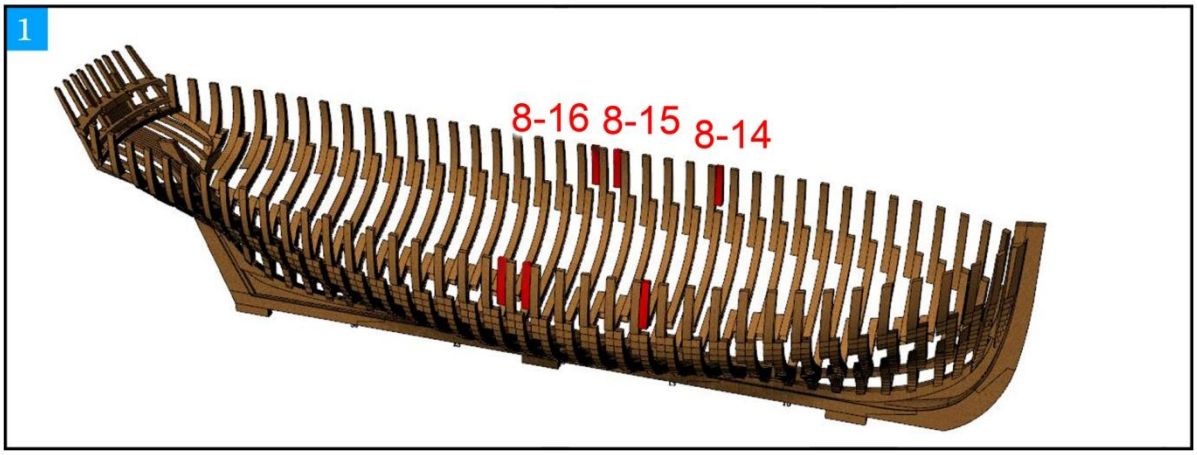


Figure 1. Next, glue the doubling top timbers on the frames as shown. The parts are in the first package

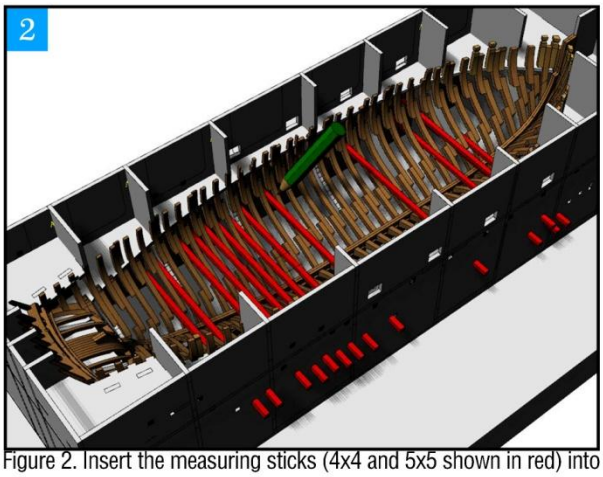
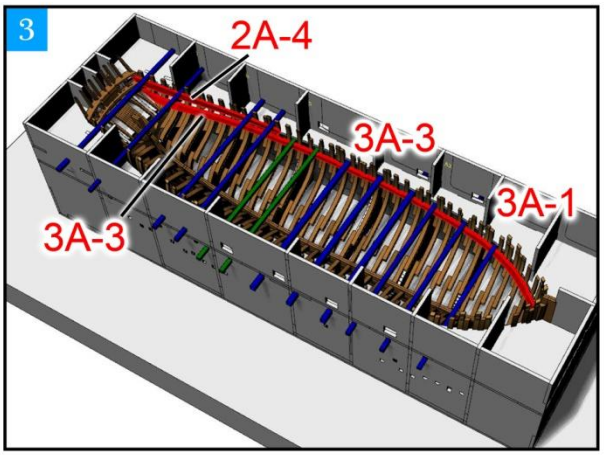
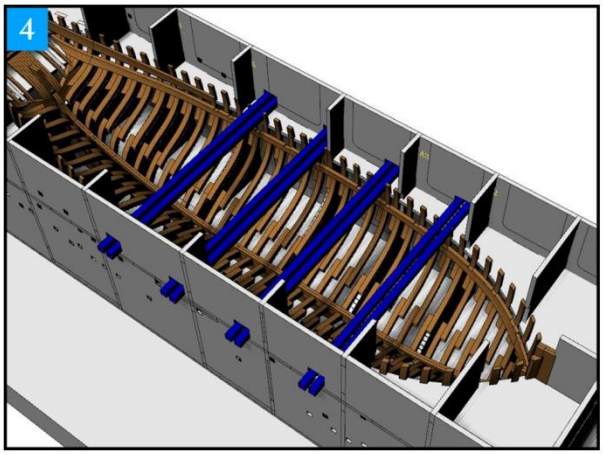


Figure 2. Insert the measuring sticks (4x4 and 5x5 shown in red) into the building slip and mark the location of where each stick crosses each frame to mark the location of the deck clamps as shown.



Figures 3–4. Install the deck clamp parts (shown in red) under the measuring sticks.



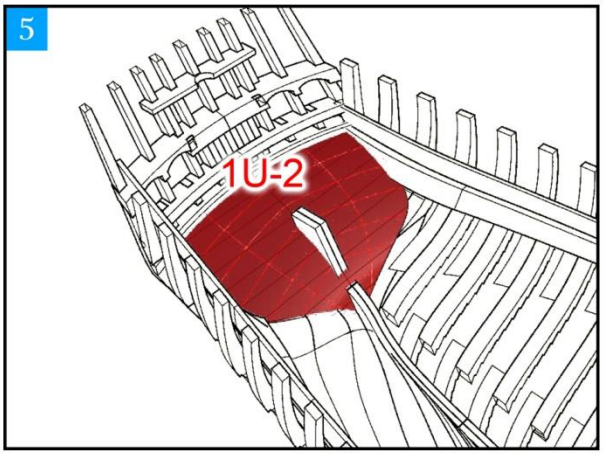


Figure 5. Install the stern ceiling planks as shown.

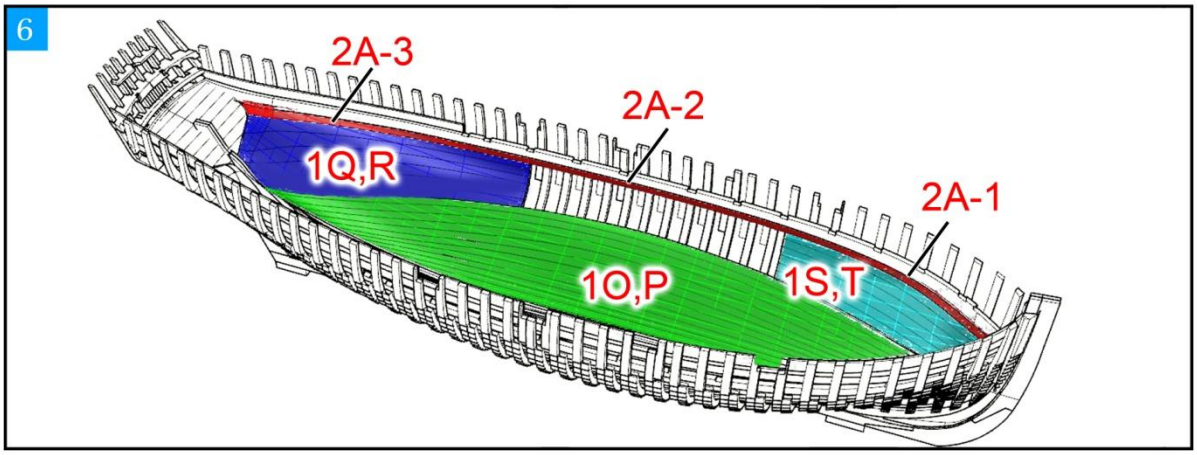


Figure 6. Install the ceiling planks as shown into the hull. Soaking the sticks in water for more than 12 hours will soften them and make

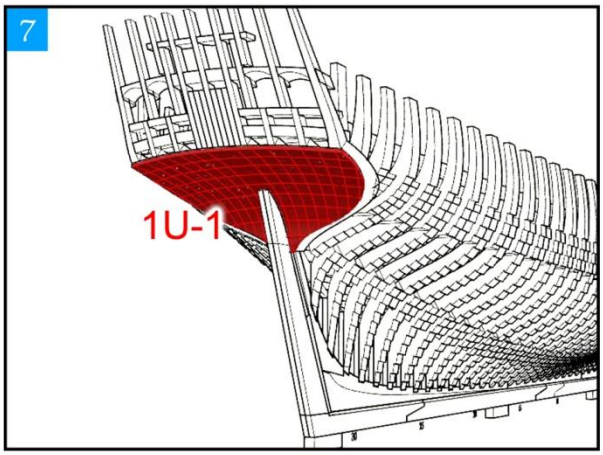
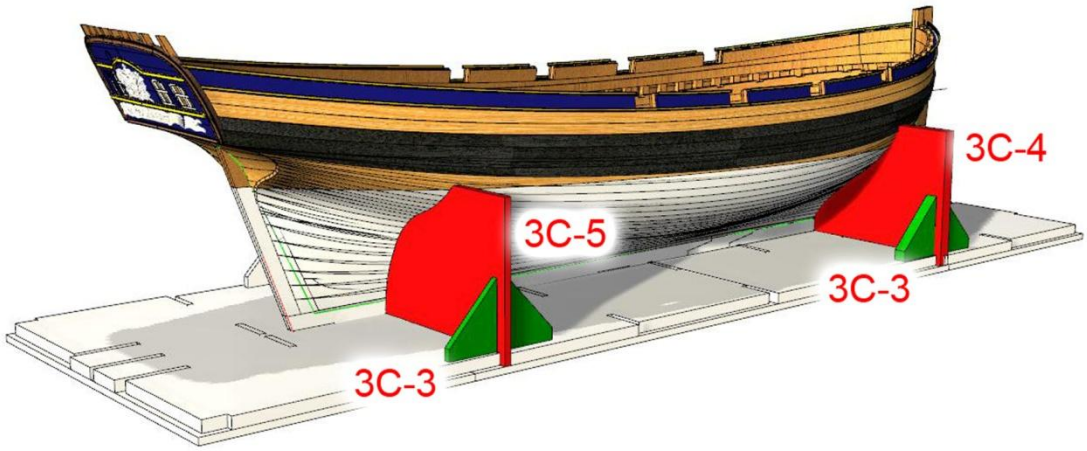


Figure 7. Fit the stern counter planks as shown.



At this point, disassemble the sides of the building jig. Insert the hull into the base and fit the cradles as shown.

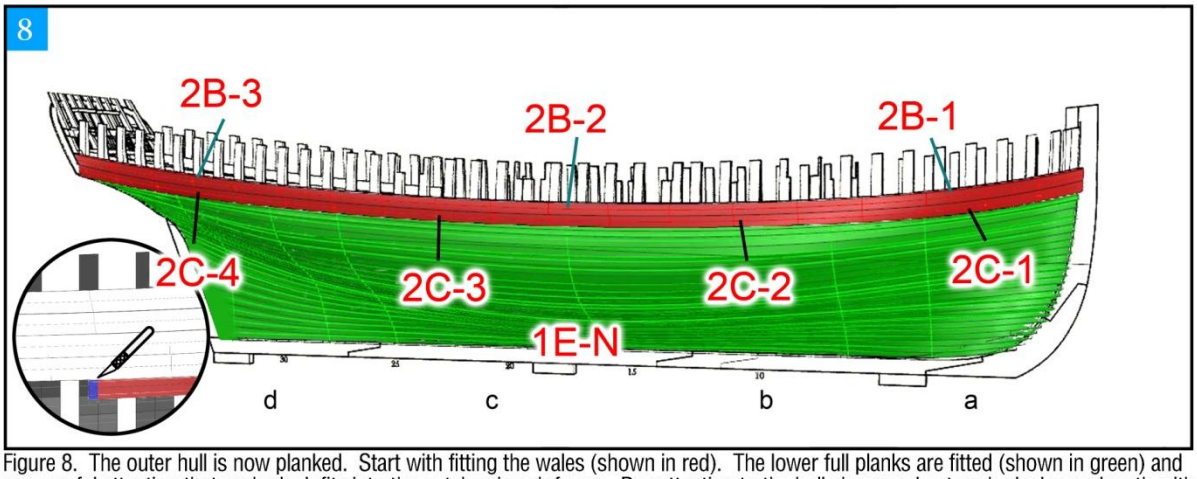


Figure 8. The outer hull is now planked. Start with fitting the wales (shown in red). The lower full planks are fitted (shown in green) and pay careful attention that each plank fits into the notches in ach frame. Pay attention to the hull shape and cut each plank over length with the surplus cut away after the true length is established during installation. The inset drawing shows that each plank for example is cut over long and trimmed back to the center of the frame. over long and trimmed back to the center of the frame.

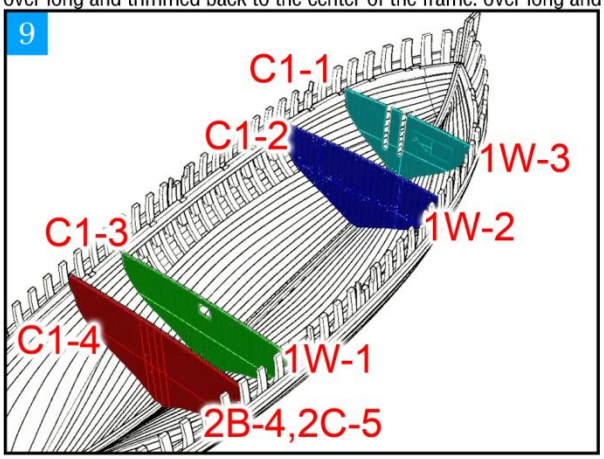


Figure 9. The interior bulkheads are constructed using the parts shown in the drawings. Parts C1–1, 2, 3, 4 are templates used to measure whether the interior of the hull is accurate. If it is accurate, the bulkheads can be directly installed with parts 1W–1, 2, 3 and 2B–4 and 2C–5. If there is any dimensional errors, you can adjust the outline on the templates and build up the bulkheads C1–1, 2, 3 with 1.5x5 wood strips and 2x5 wood strips for C1–4.

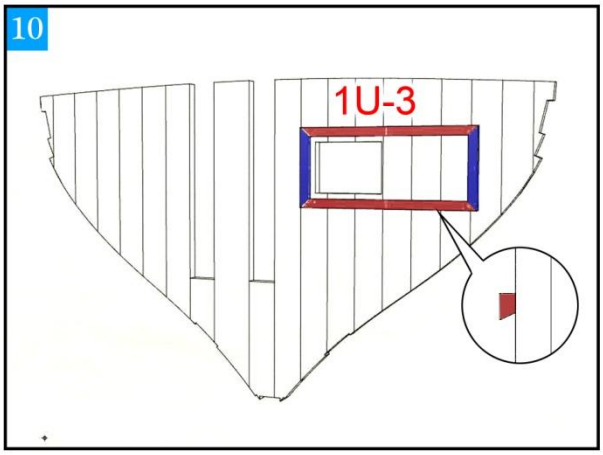


Figure 10. Make the window frame as shown and ensure the top and bottom frame edges (shown in red) are beveled inward.

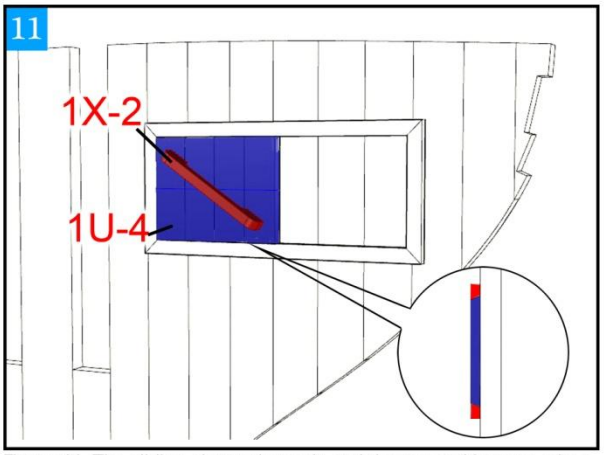


Figure 11. The sliding shutter is made and the top and bottom edges are beveled as shown (shown in blue) so that the shutter is trapped into the frame.

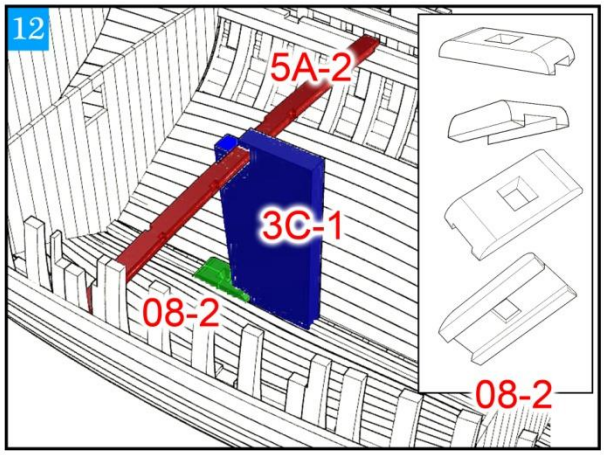
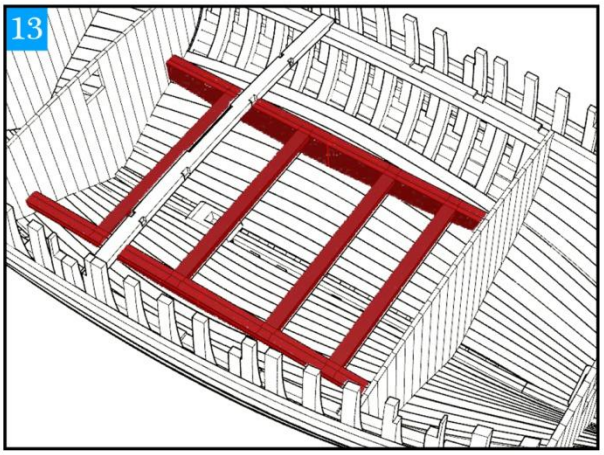
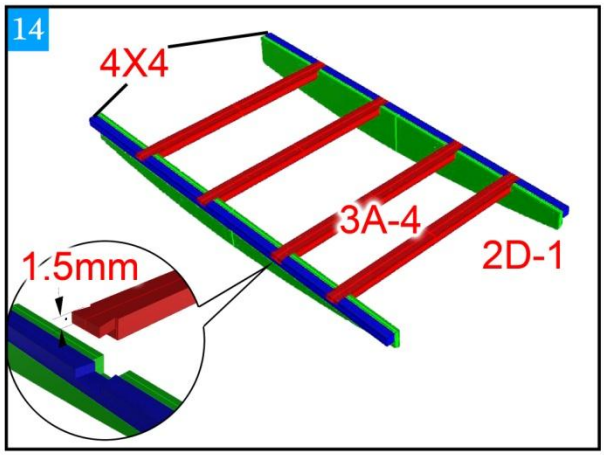
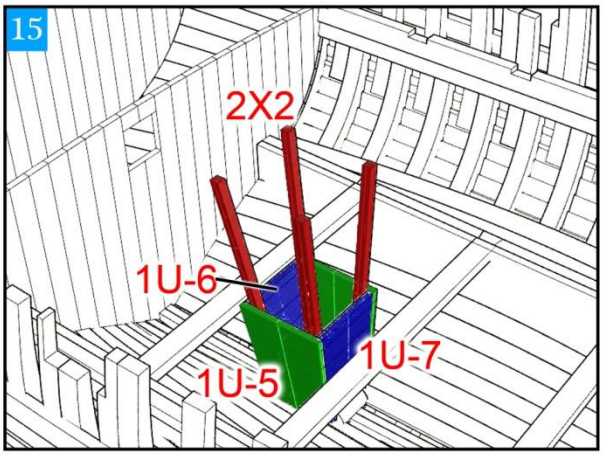


Figure 12. Beam No.8 is put in place and part 3C–1 is used to locate the position of mast heel 08–2 onto the keel.

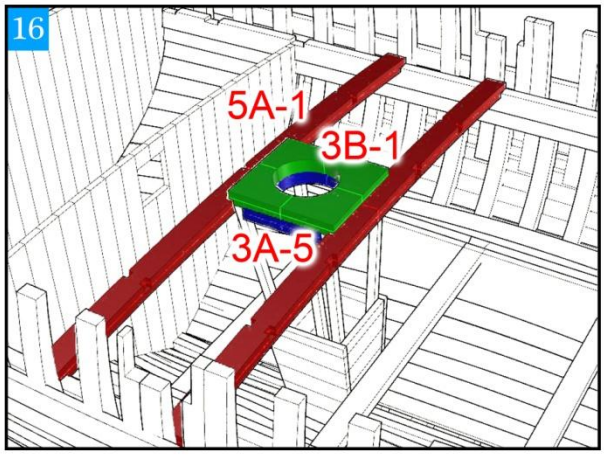


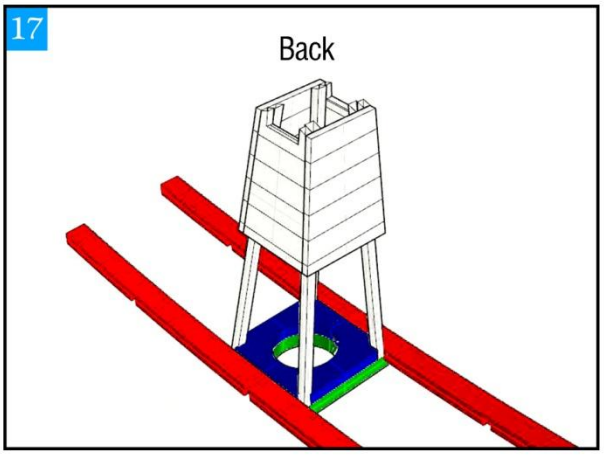
Figures 13–14. The beams that make up the ballast box are constructed next using the parts as shown.

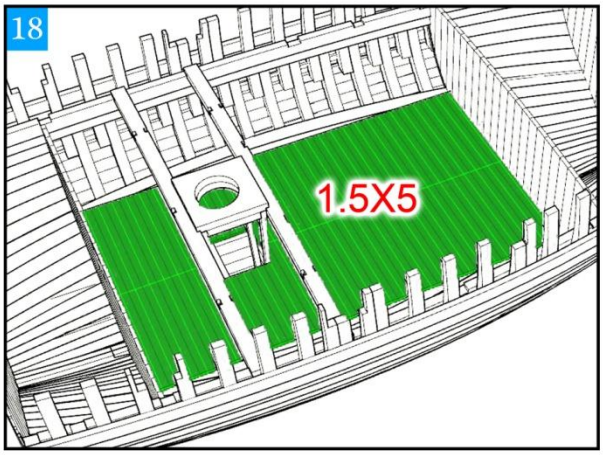




Figures 15 –17. The mast well is constructed next with the parts as shown.







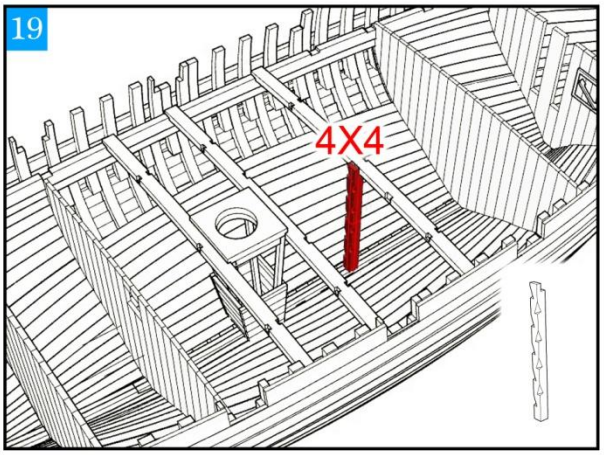


Figure 19. Before the ballast box is installed, the cargo hold pillars needs to be made from 4x4 wood stock and installed as shown.

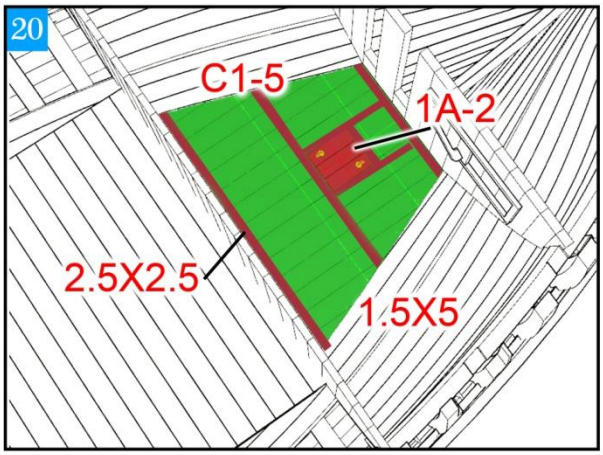


Figure 20. To construct the floor in this area of the ship, the template C1–5 template is used to check the shape. Adjust the shape of the template until it matches the shape of the floor and use 2.5x2.5 timber for the beams, and 1.5x5 wood strip for the floor.

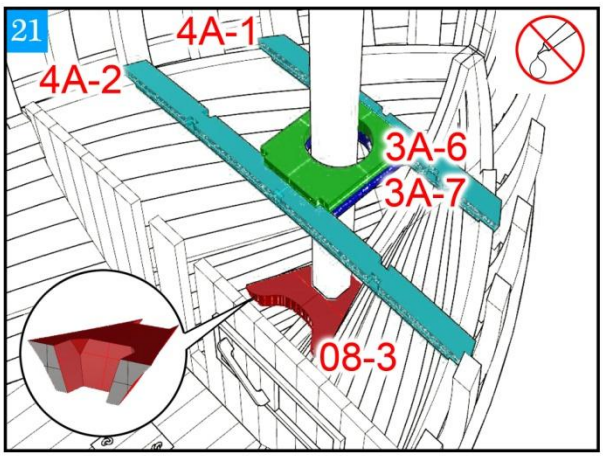


Figure 21. To fit the foremast heel (08–3), place parts 4A–1, 2 into place (do not glue). Test fit the foremast and set the rake to determine the position of 08–3 mast base.

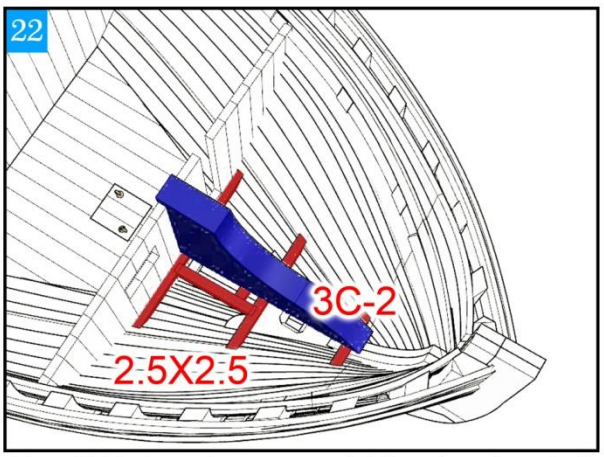
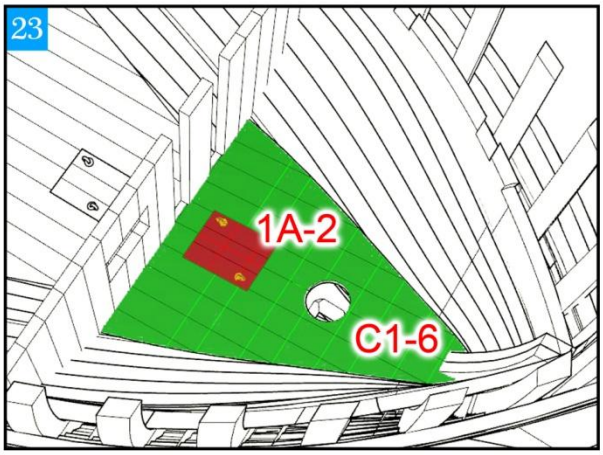


Figure 22. The forward compartment deck is made as shown (red) using part 3C–2 to first set the beams in the correct position.



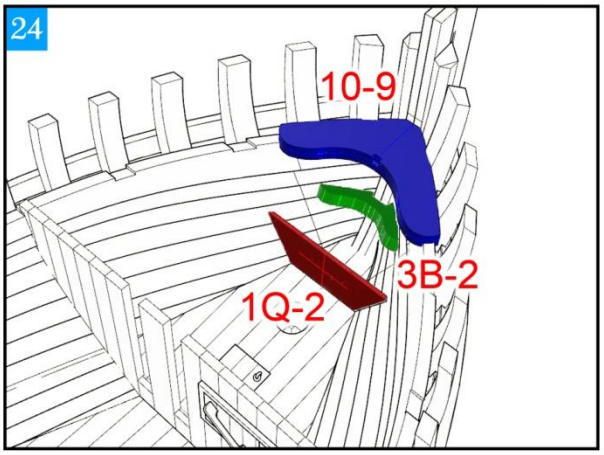


Figure 23. Template C1–6 is used to check the dimensions of the space and is trimmed until it fits perfectly. 1.5x5 maple wood to make the floor and the template used to guide the trimming of the planks.

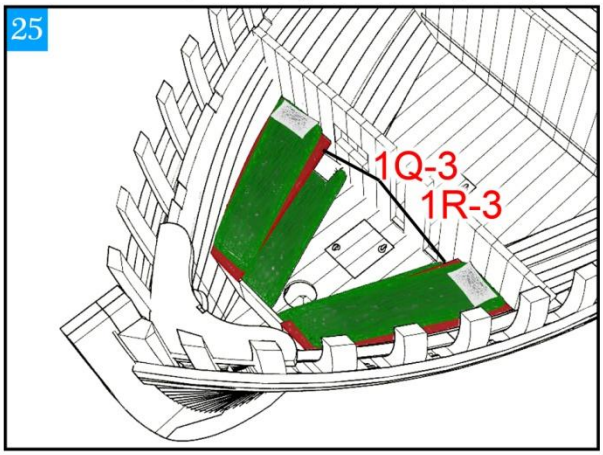
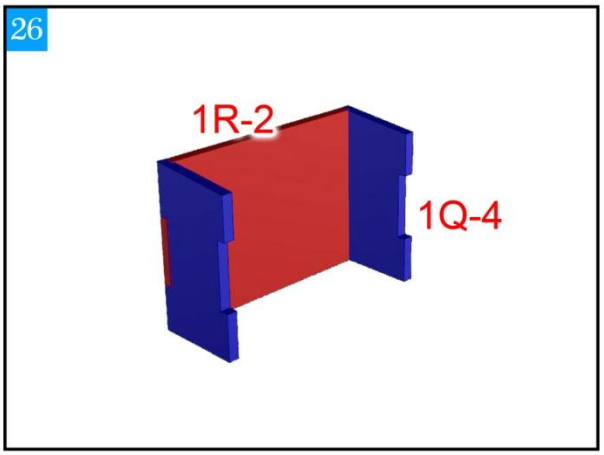
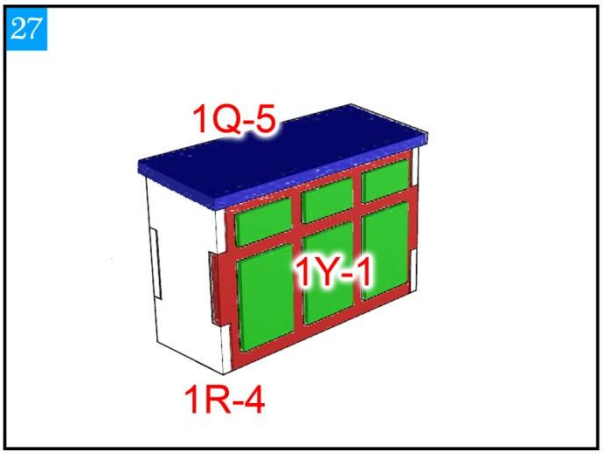
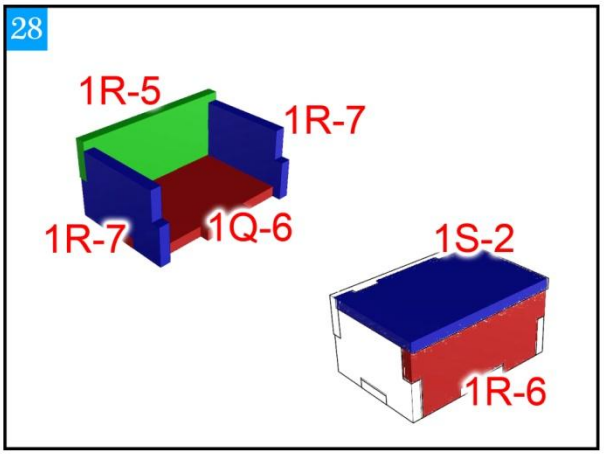


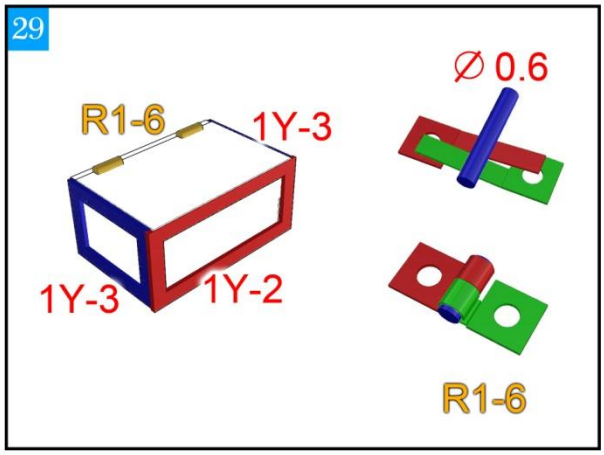
Figure 25. The cots are installed using the parts as shown.

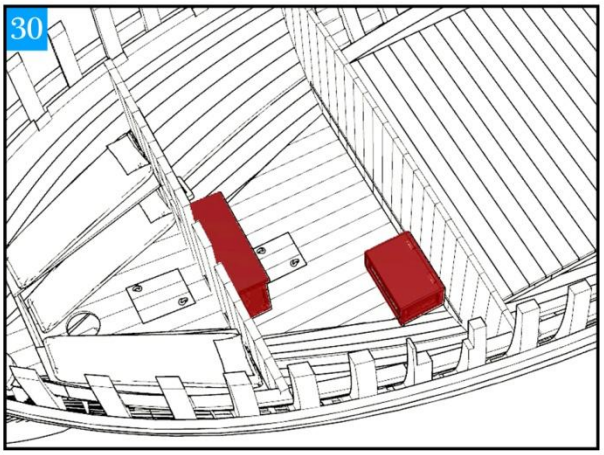


Figures 26–29. Cabinets and boxes are assembled from the parts as shown.

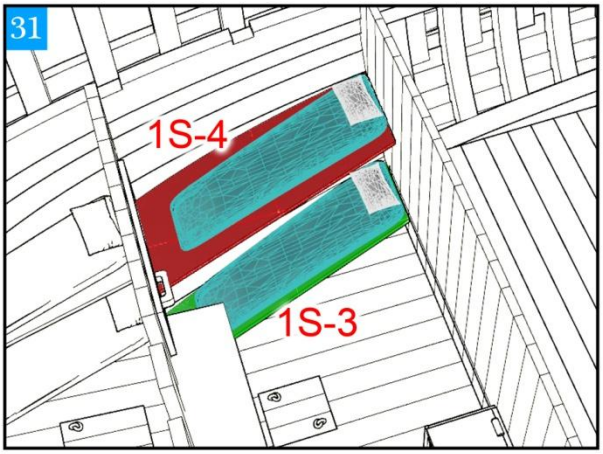


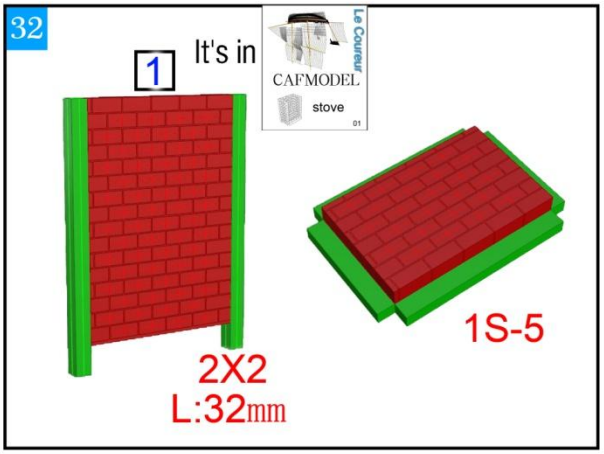




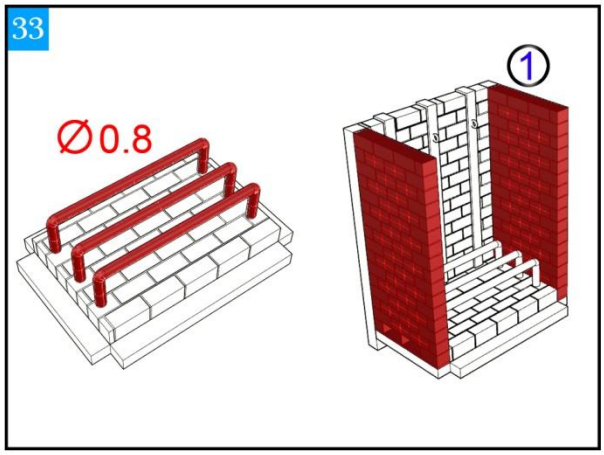


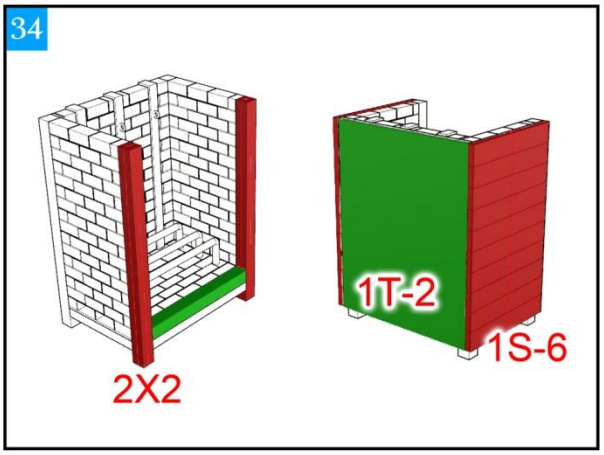
Hinges are made of 0.6 diameter copper wire and R1–6



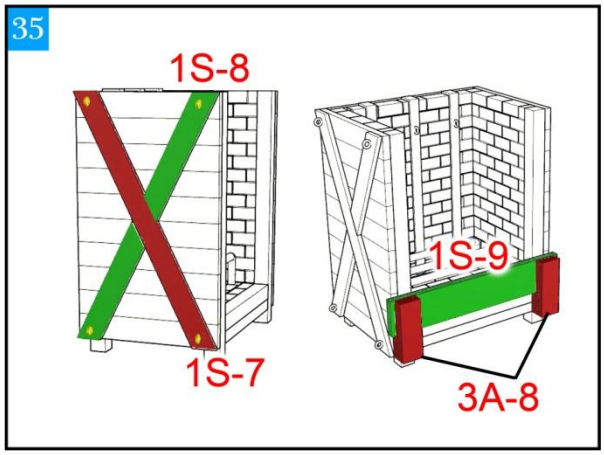


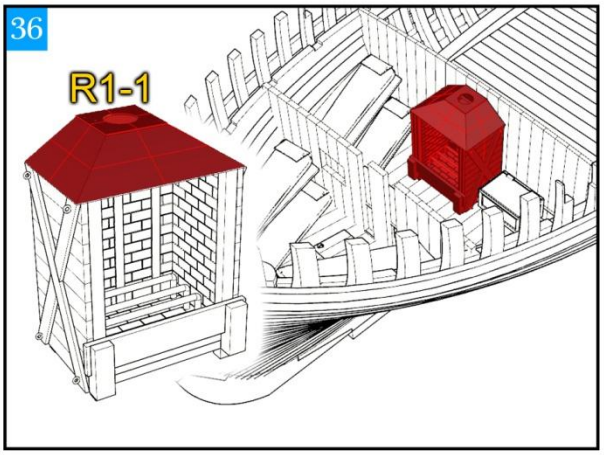
Figures 32–36. The ship’s oven is assembled from parts as shown. The oven is made of the clay parts in part bag No. 1. The back of the



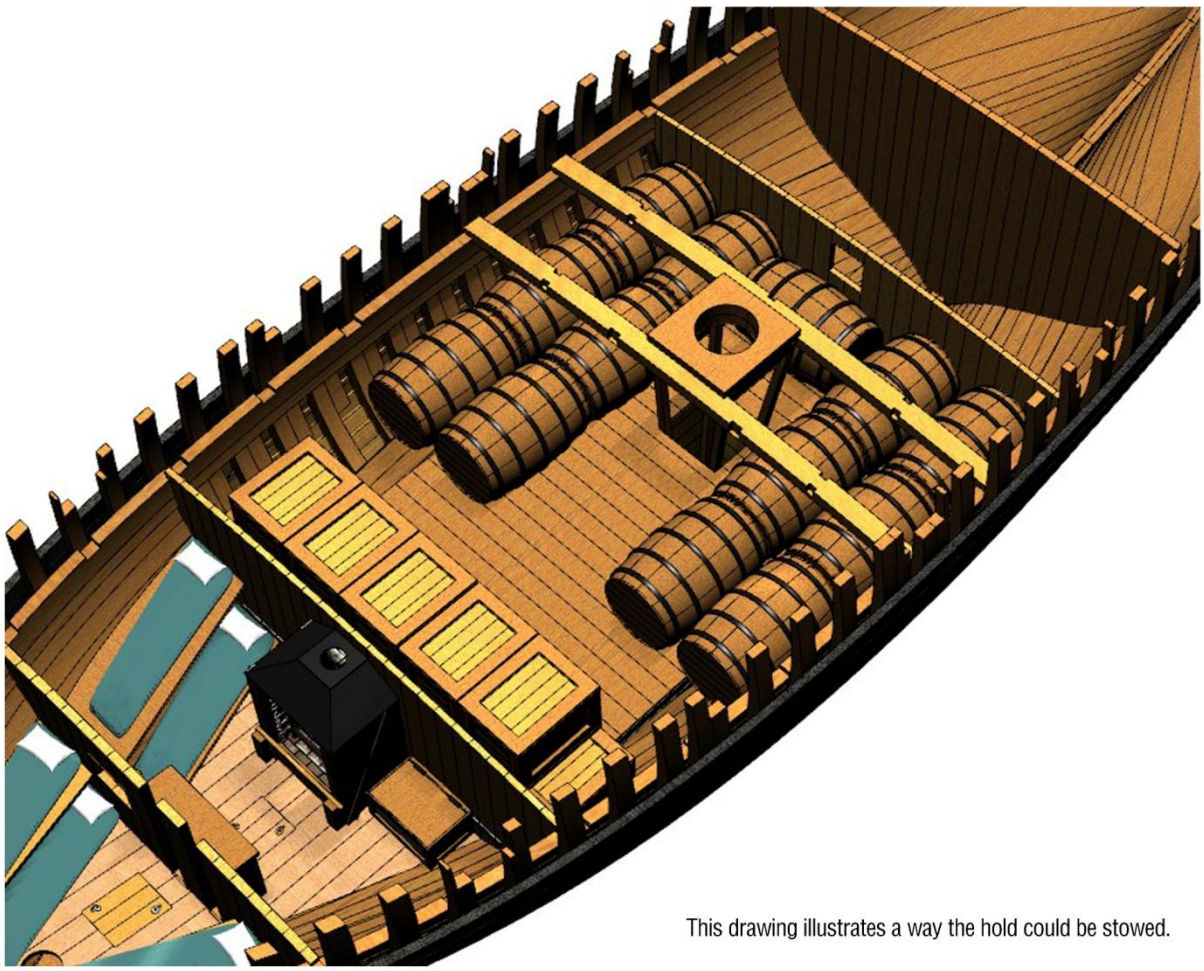


clay needs to be sanded and thinned to an even thickness of 2mm.

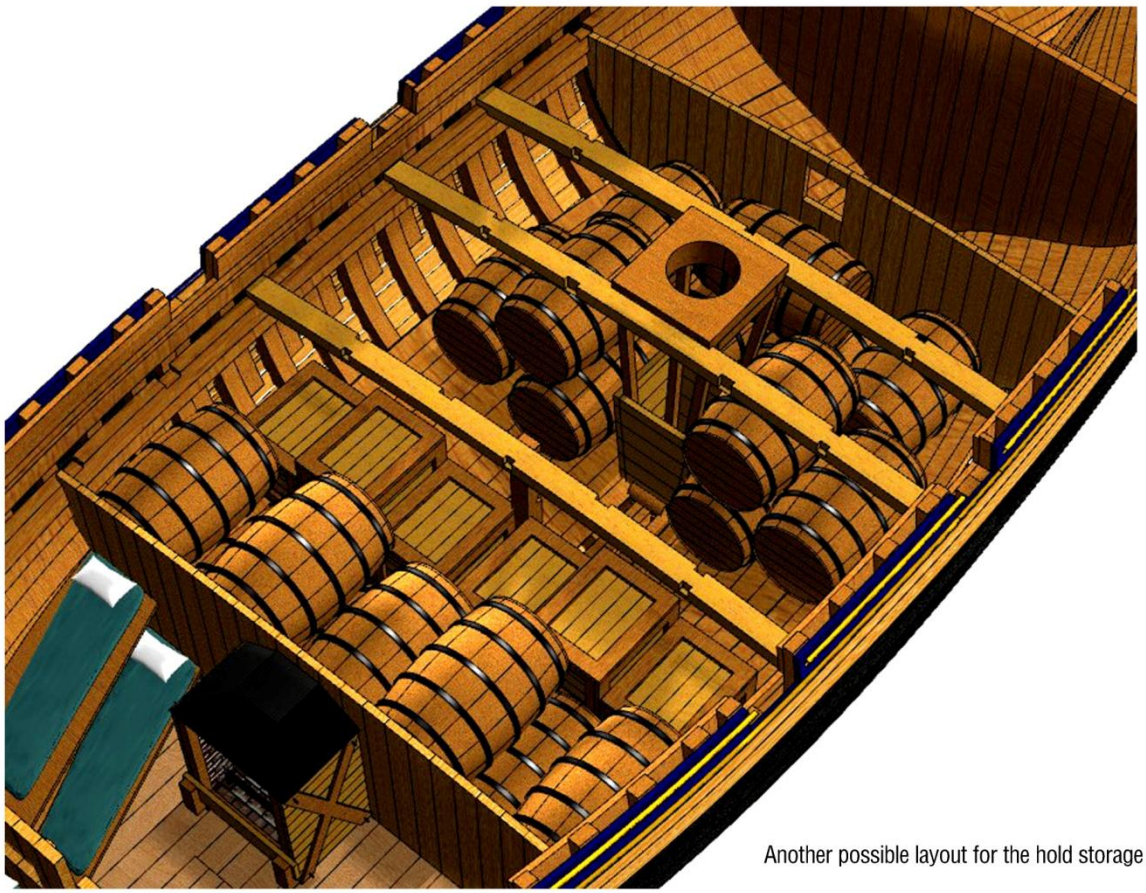




The oven hood is part R1–1.



This drawing illustrates a way the hold could be stowed.



Another possible layout for the hold storage

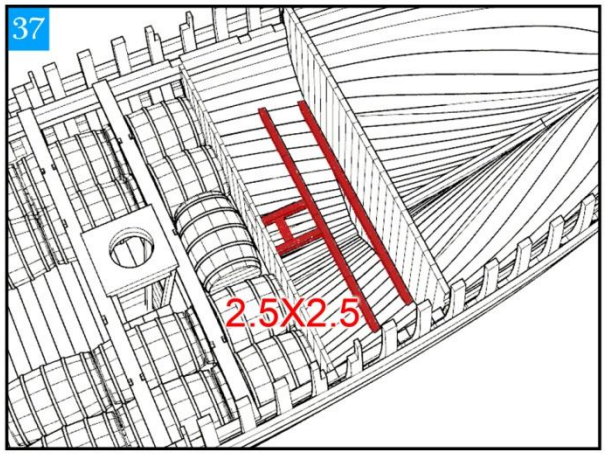


Figure 37. This section of the ship is framed out using 2.5x2.5 wood strip to build the beams as shown.

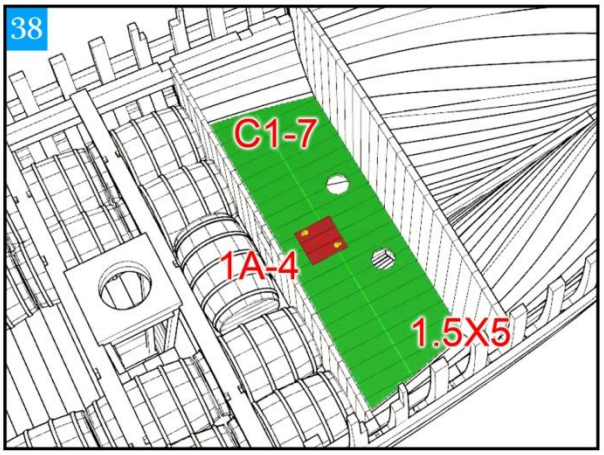
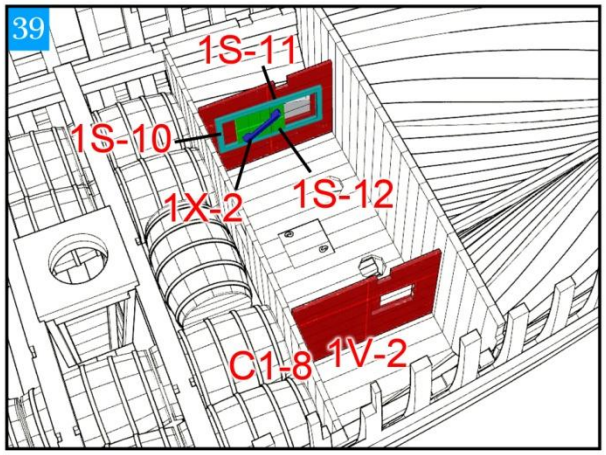


Figure 38. Template C1–7 is used to measure the profile of the floor area.



Template C1–8 is used to measure the shape of the compartments and if correct, part 1V–2 can be used directly to make the compatm –ents. If not, the partitions can be made from1.5x5 wood strip to suit the actual space.

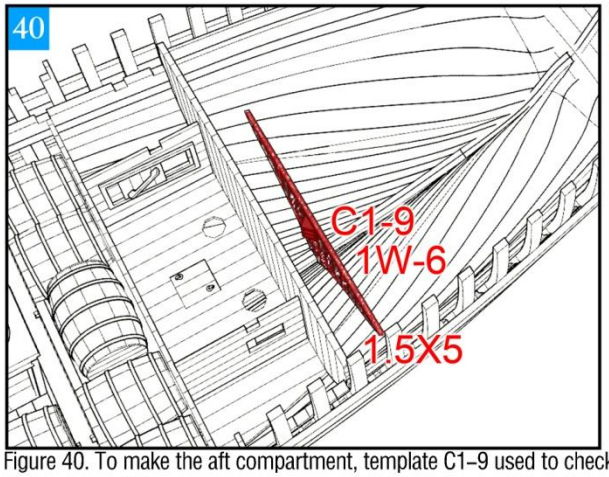


Figure 40. To make the aft compartment, template C1–9 used to check the contours. If there are no errors, part 1W–6 can be used directly or the partition made up of 1.5x5 wood strips to suit the space.

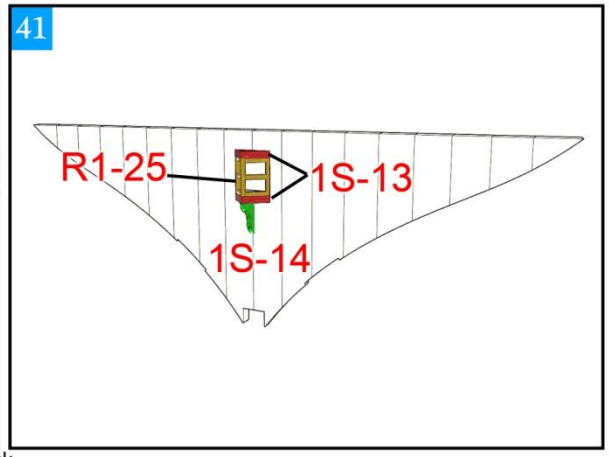


Figure 41. The lamp is made for the ammunition magazine from the parts as shown

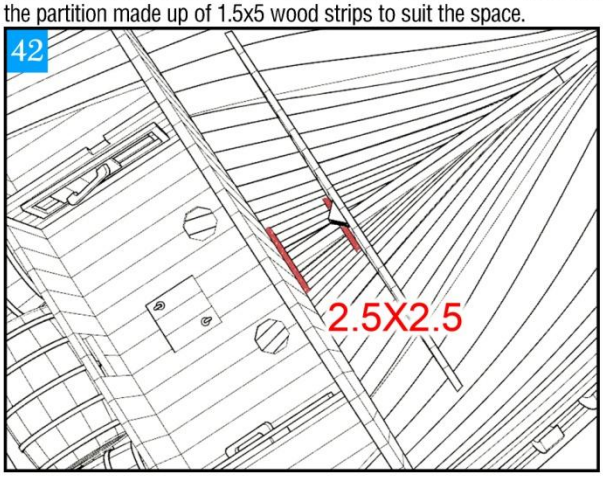


Figure 42. The beams for the ammunition magazine is made up from 2.5x2.5 wood strip as shown

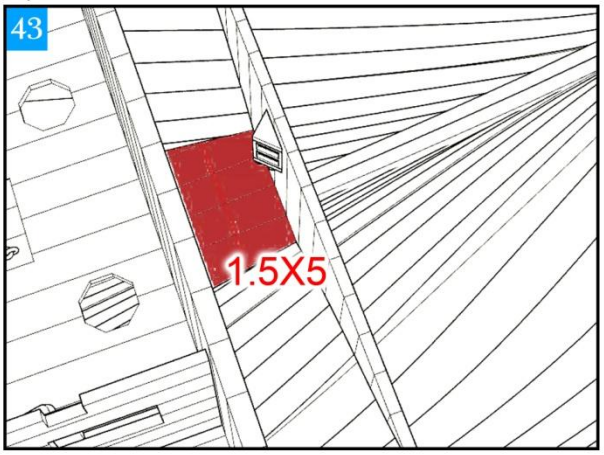
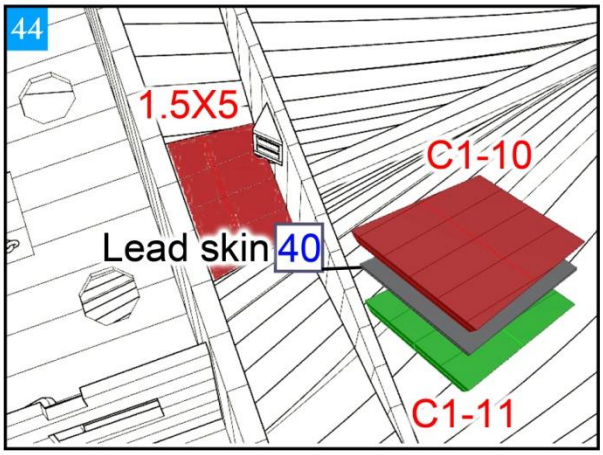
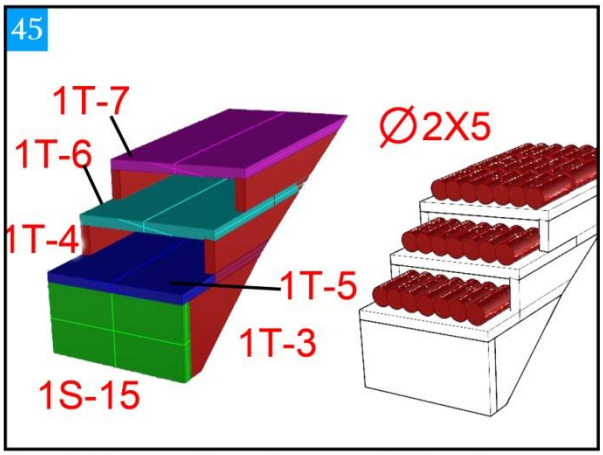


Figure 43. The floor of the ammunition magazine is constructed from 1.5x5 maple wood strips as shown.



Templates C1–11 and C1–10 are used to check the profile of the am –munition magazine. 1.5x5 maple to make the floor with lead sheet in the middle. This layered approach represents in model form the way French ammunition magazines were constructed avoid damp.



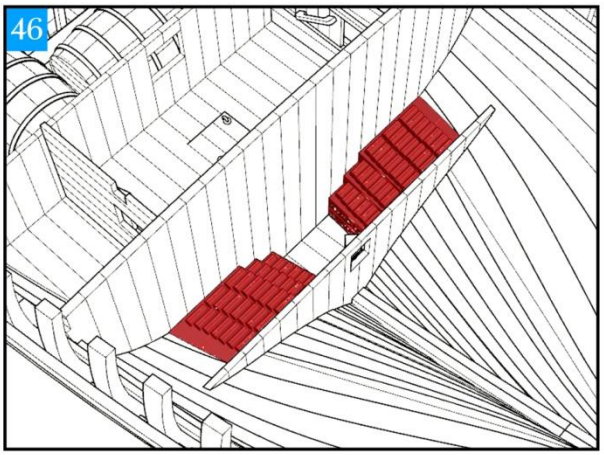


Figure 45. The ammunition racks are assembled from the parts as shown. Lengths of 2 mm diameter wooden are painted white to represent the canvas ammunition bags.

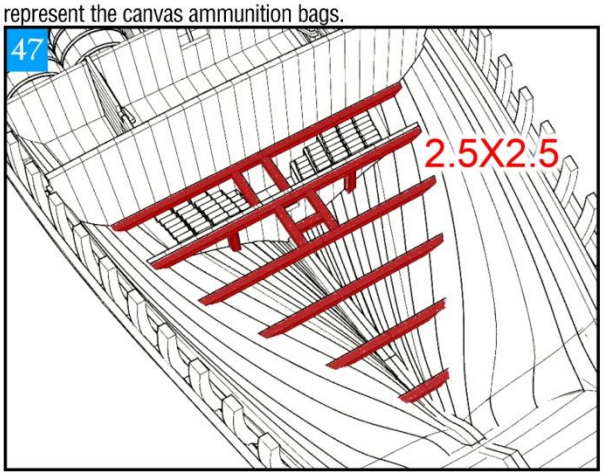


Figure 47. The beams for the aft compartments.

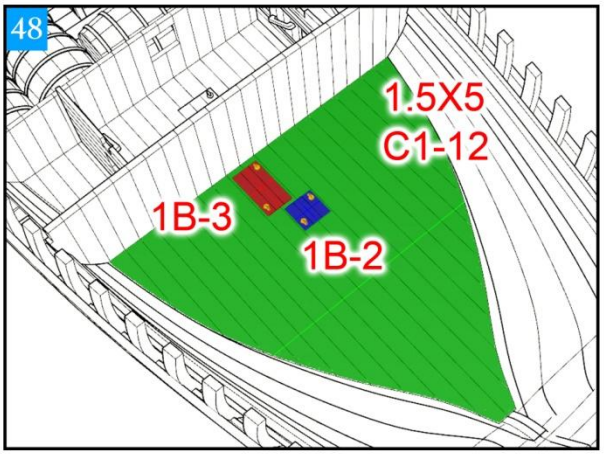
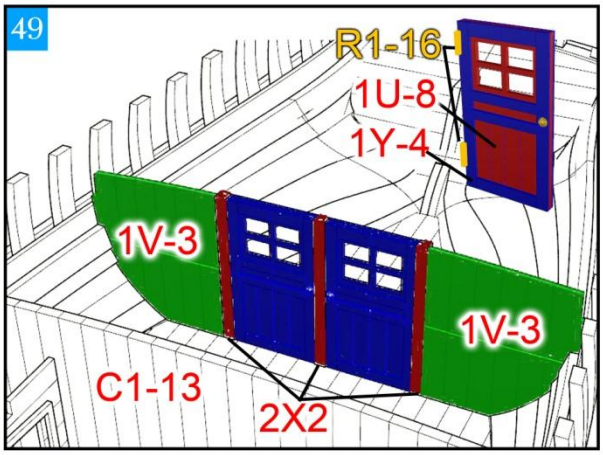


Figure 48. Use template C1–12 to measure the shape and make the floor,



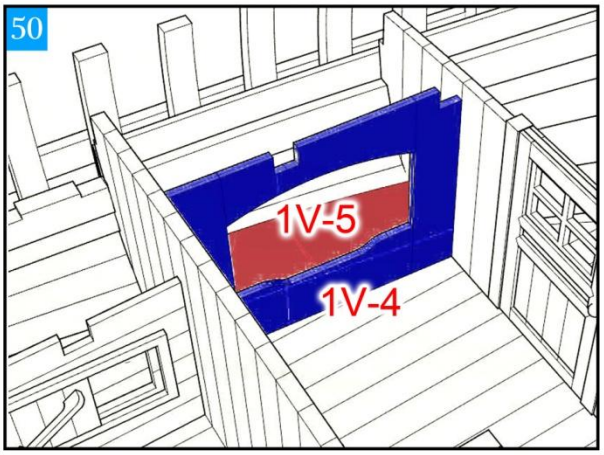
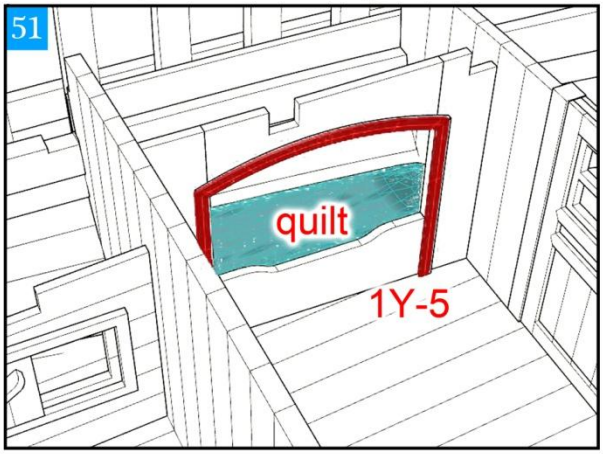
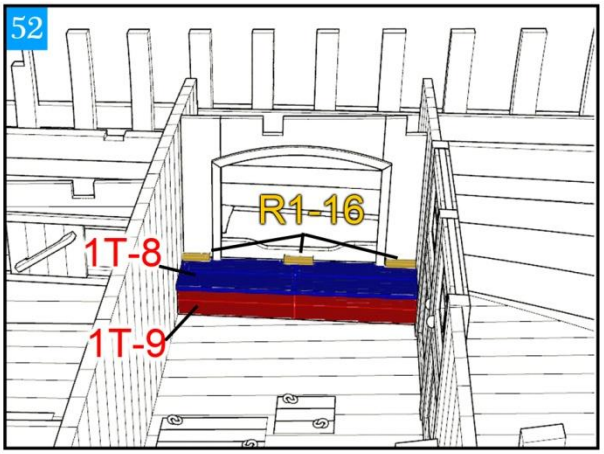
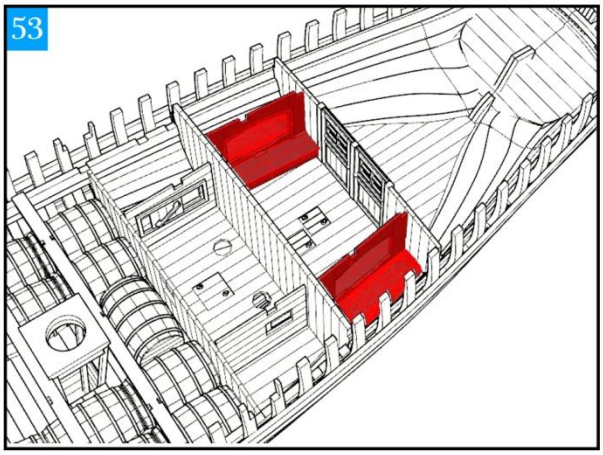


Figure 49. Use template C1–13 to check or determine the shape of the partitions for the officer's cabin. If correct, the partitions can be made from the parts as shown. Door hinges were made with R1–16





Figures 52–53. Construct the storage cabinet beside the cots as illustrated.



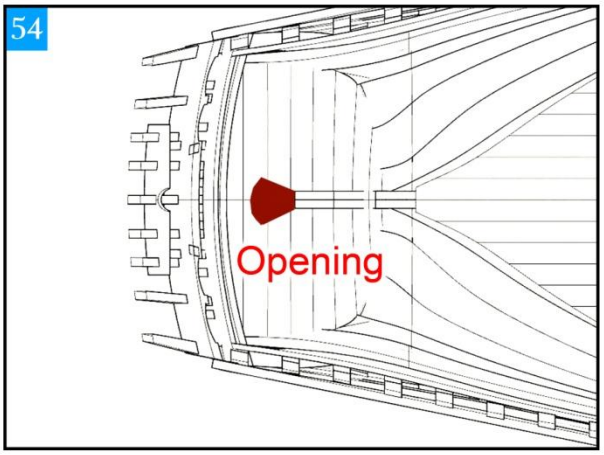
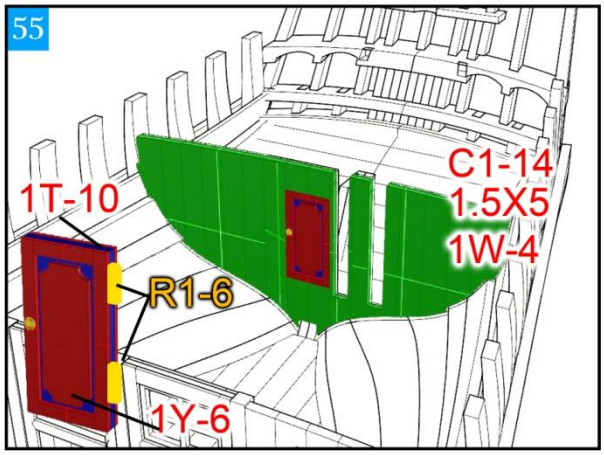


Figure 52. Carefully cut the hole for the rudder post as shown.



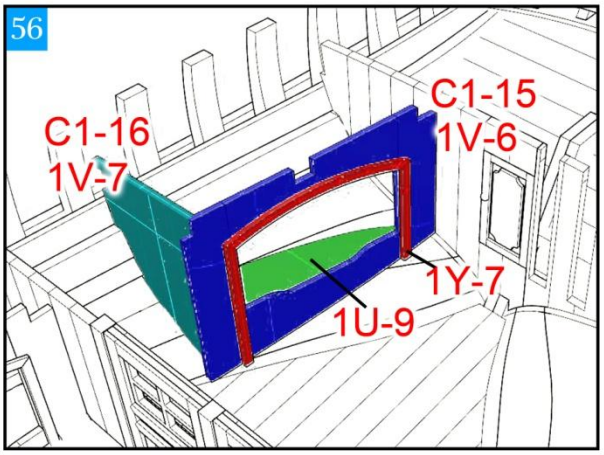
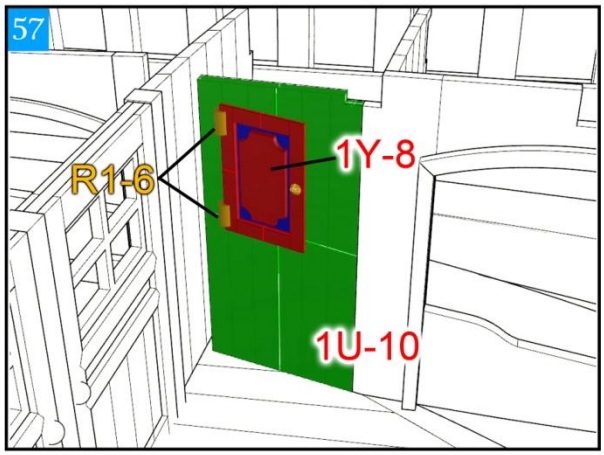
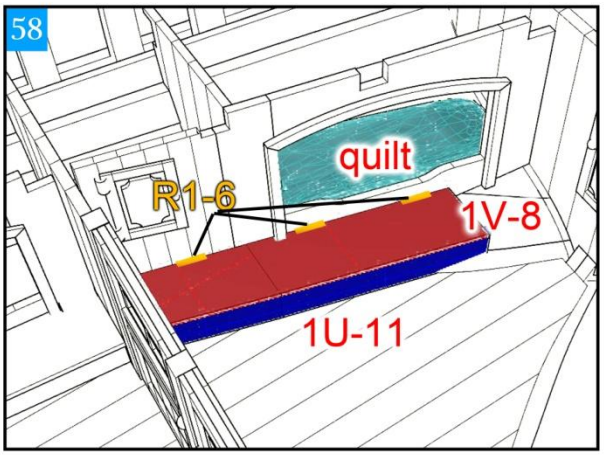
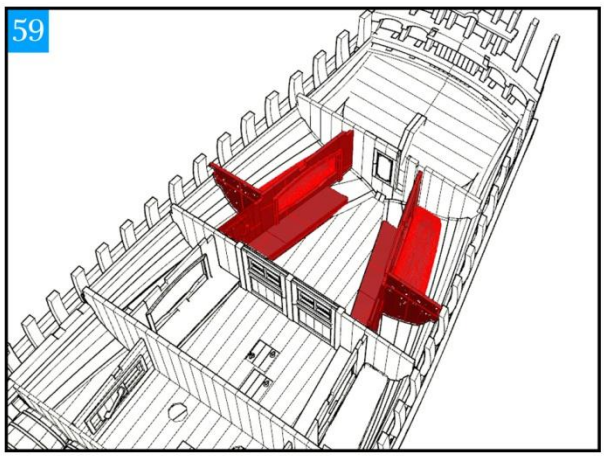
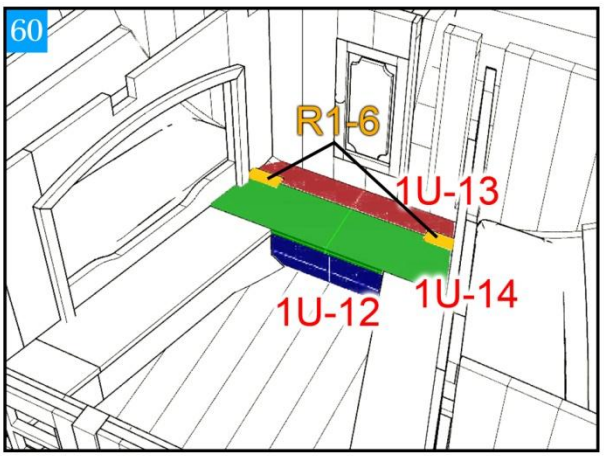


Figure 55. The partition and doors are constructed from the parts as illustrated. Template C1–14 is used to determine check the dimensions of the area to ensure accuracy.









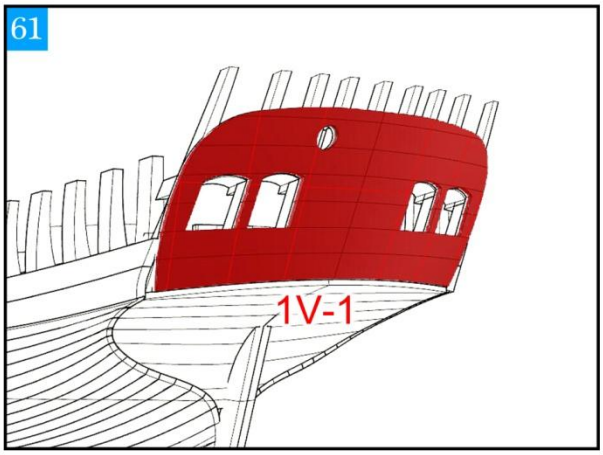


Figure 61. Transom is planked over with 1V–1.

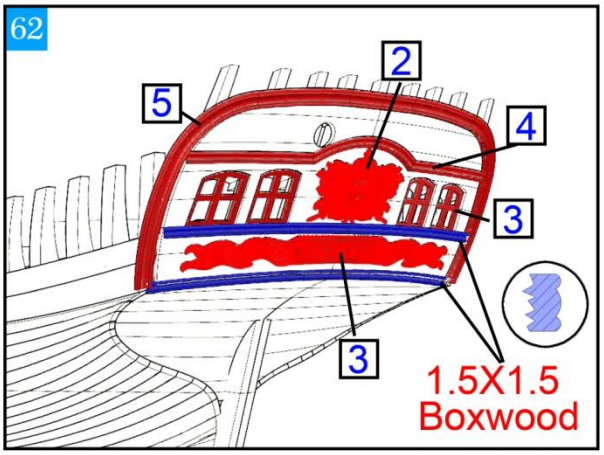


Figure 62. The transom decorations are made with parts as illustrated.

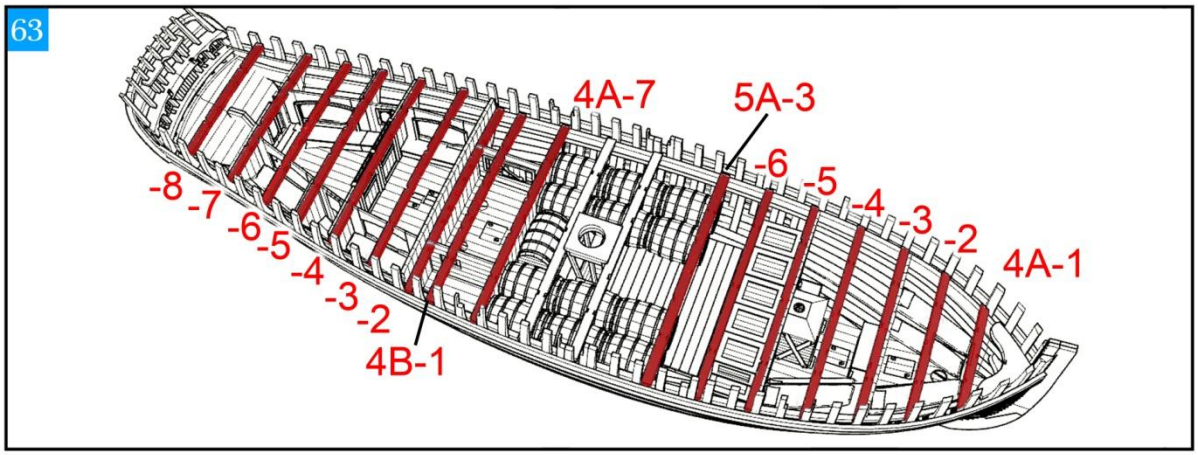


Figure 63. Deck beams are installed into the hull in sequence.

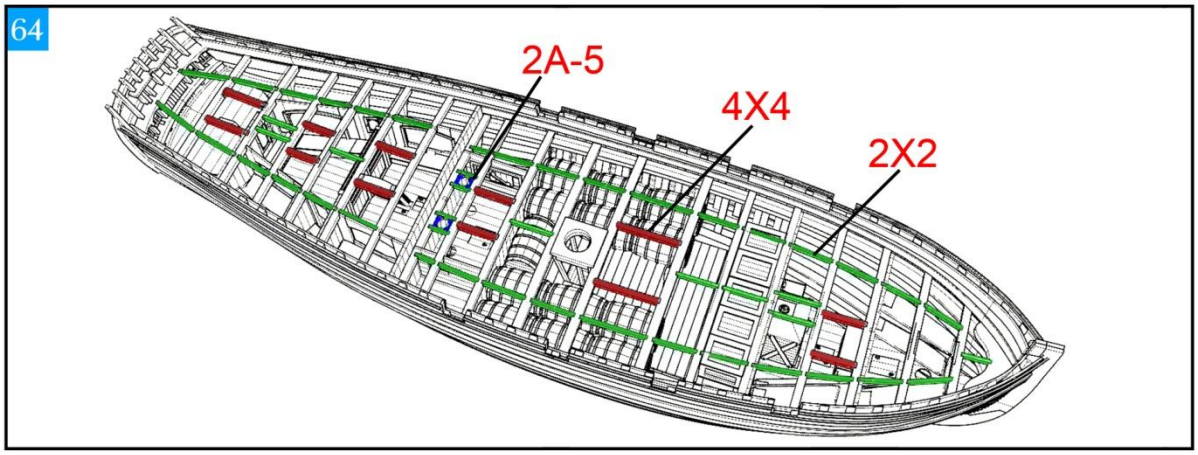


Figure 64. Deck stringers are installed as shown.

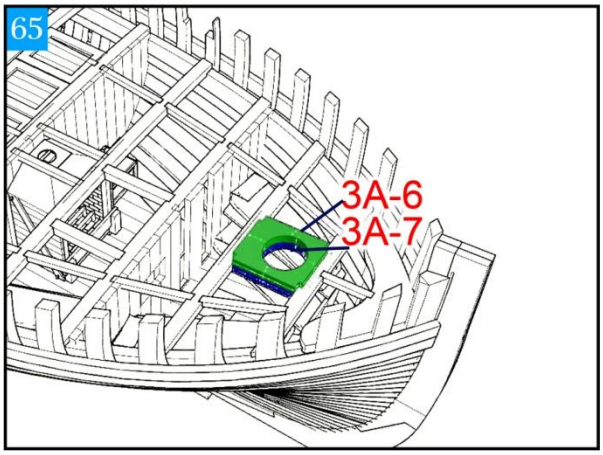


Figure 65. Mast boot is constructed as shown.

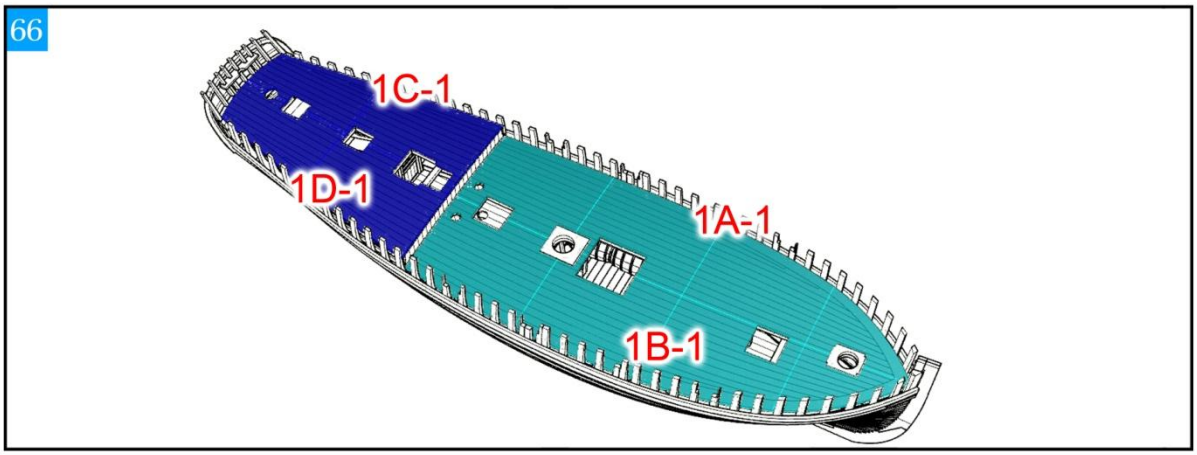
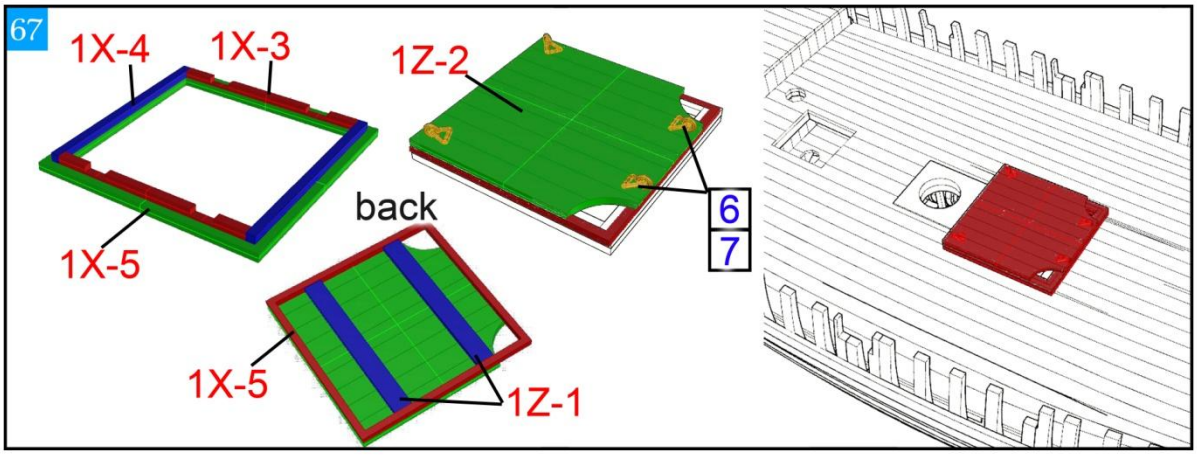
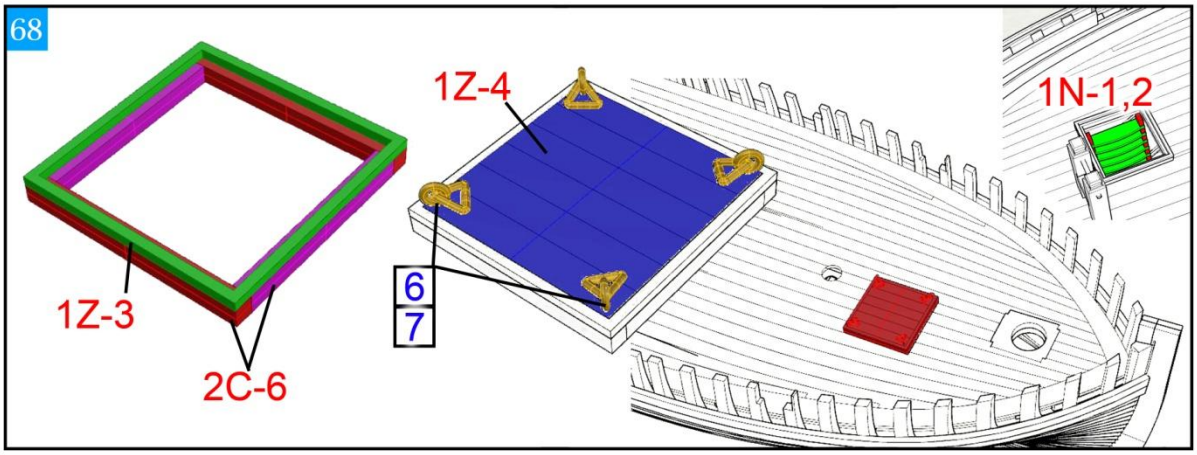
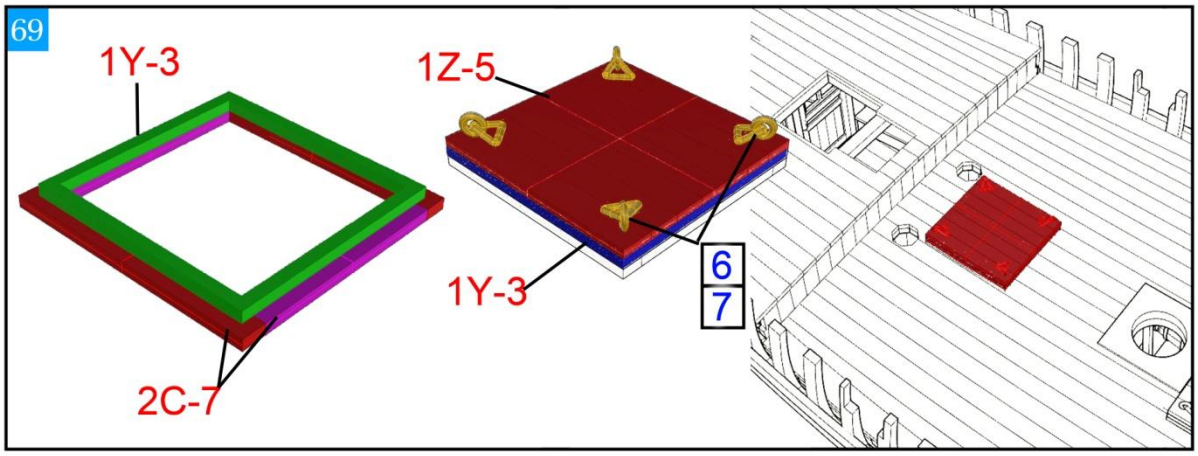


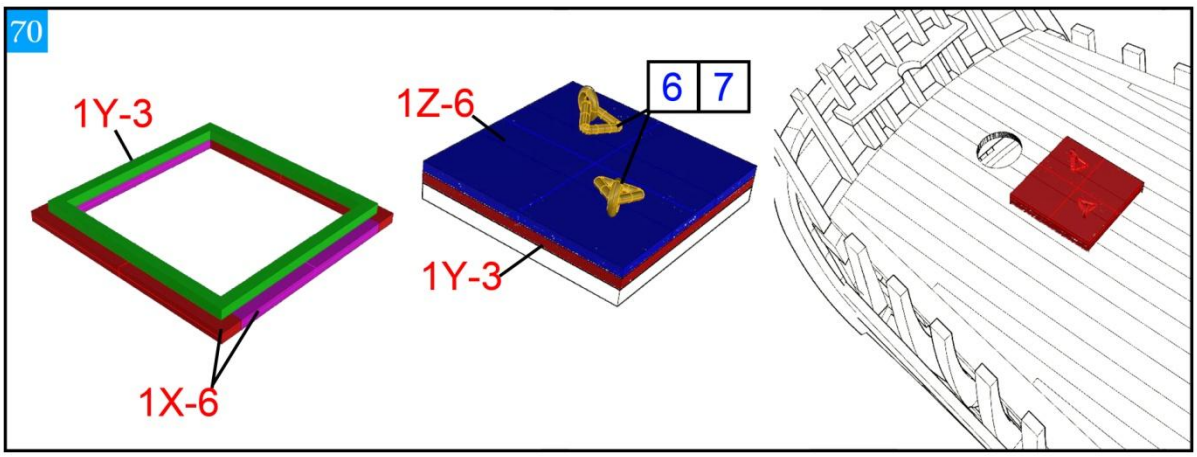
Figure 66. The deck is planked using the parts as shown.



Figures 68–70. The deck hatches and covers are constructed as shown. The sizes are provided on the plans and ensure the cover the hatchway entrances in the deck.


68
1Z-4
1N-1,2
1Z-3
6
7
2C-6


69
1Y-3
1Z-5
6
7
1Y-3
2C-7


70
1Y-3
1Z-6
6
7
1Y-3
1X-6

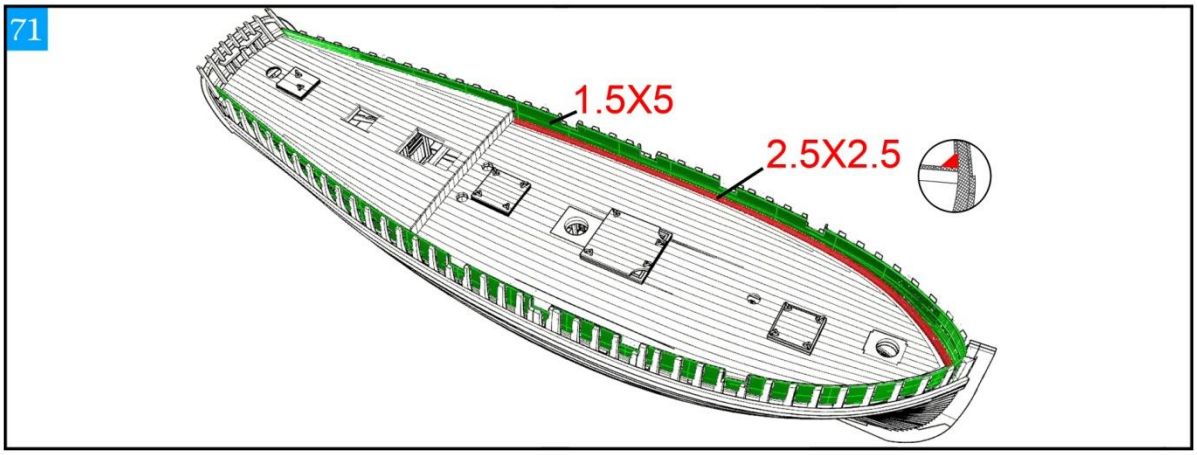


Figure 71. The waterways are shaped and installed as shown.

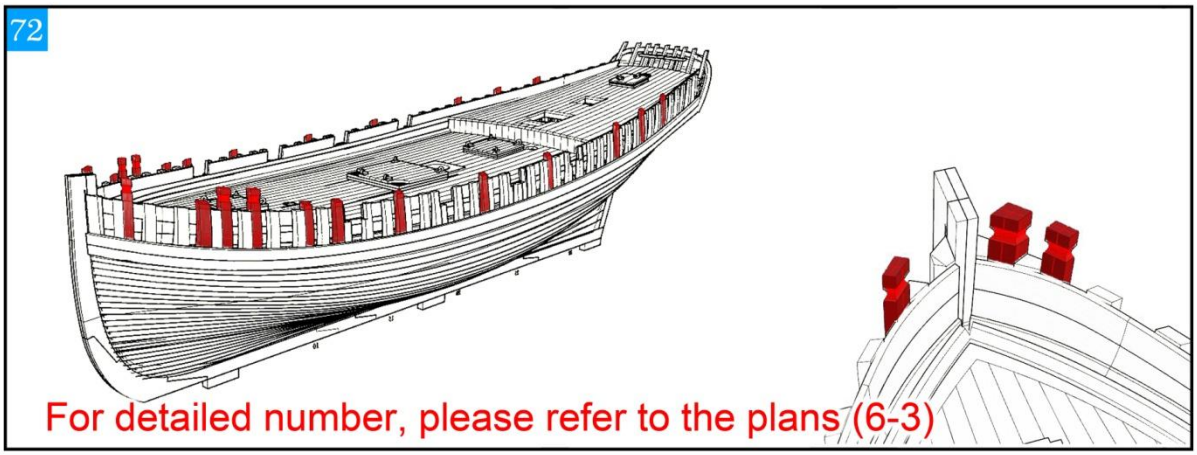


Figure 72. The top timbers are installed. Please refer to plan 6–3 for position and sizes.

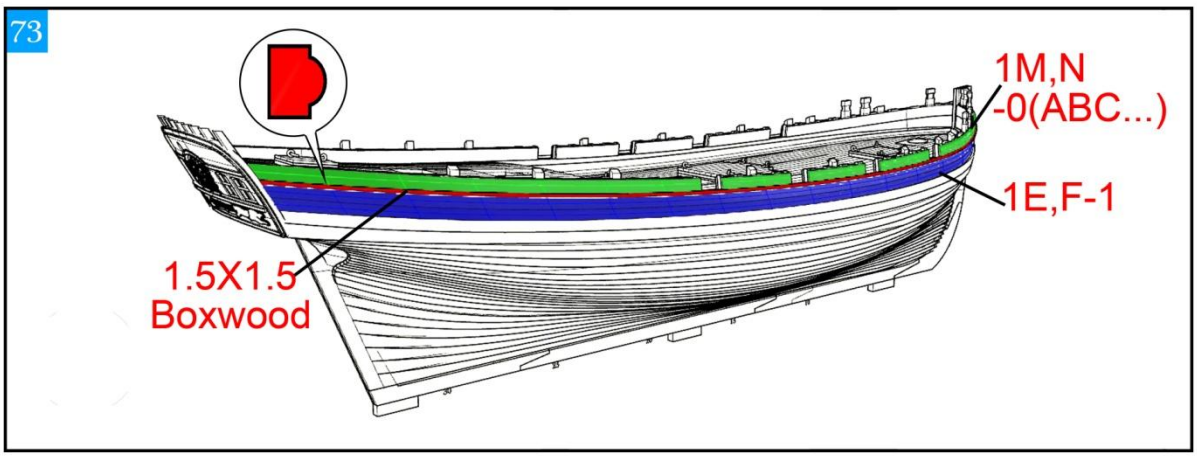


Figure 73. The outer bulwark planking, gunwales, and decorative strip are installed as shown.

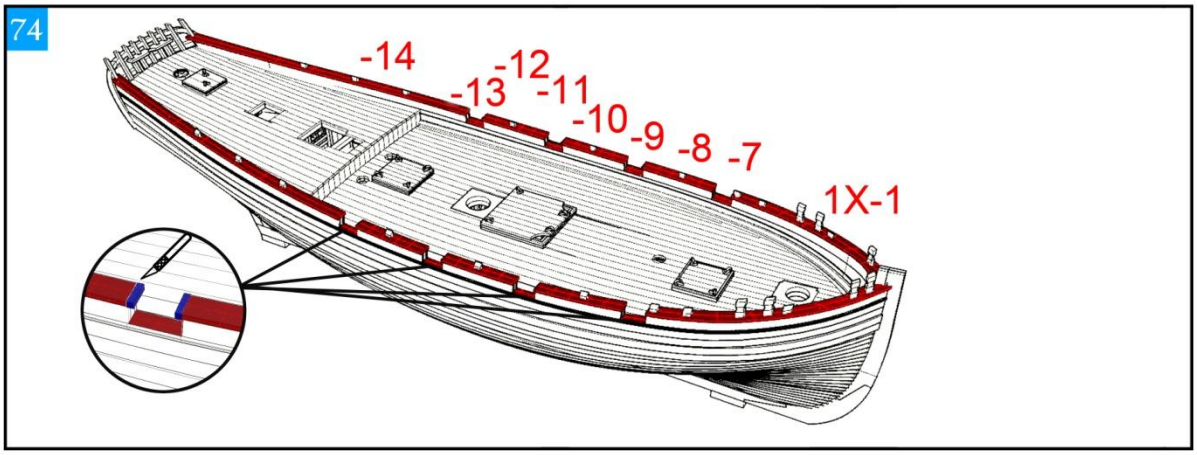
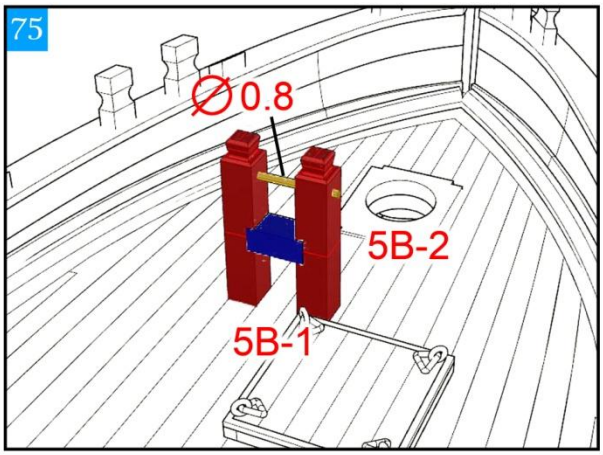


Figure 74. After the gunwales are installed, they are cut to exact size to form the gun ports. The exact dimensions are shown on the plans.



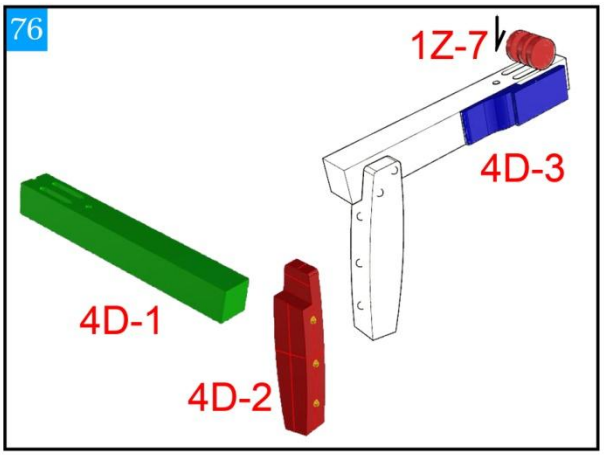
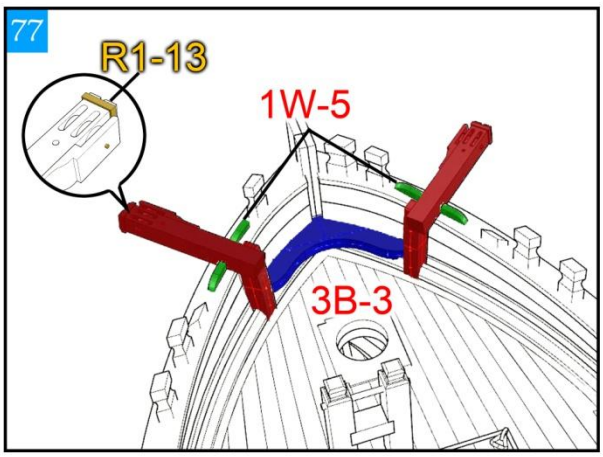


Figure 75. The bitt is constructed as shown.



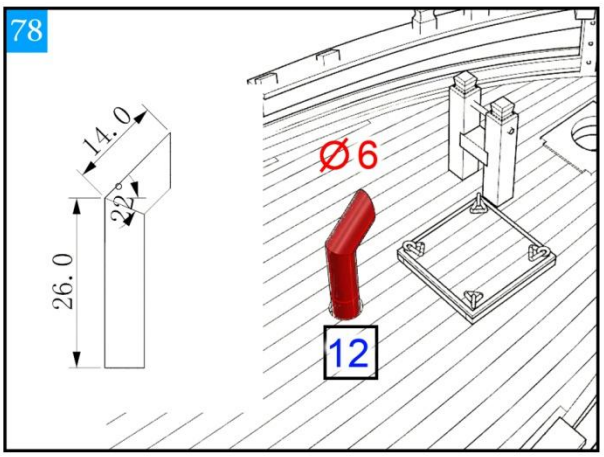


Figure 78. The smokestack is made from 6 mm diameter brass tube as shown.

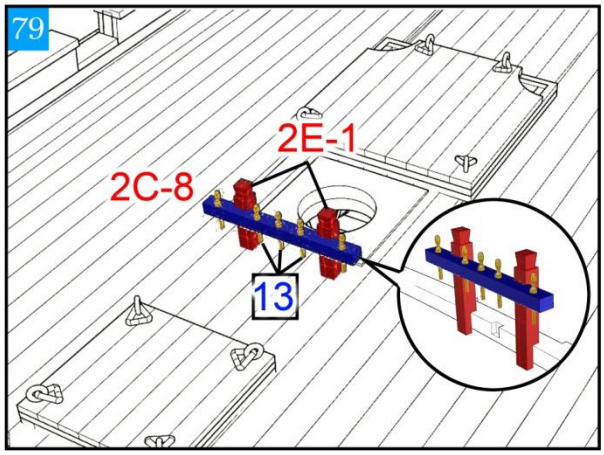


Figure 79. The sheet bits are constructed as shown,

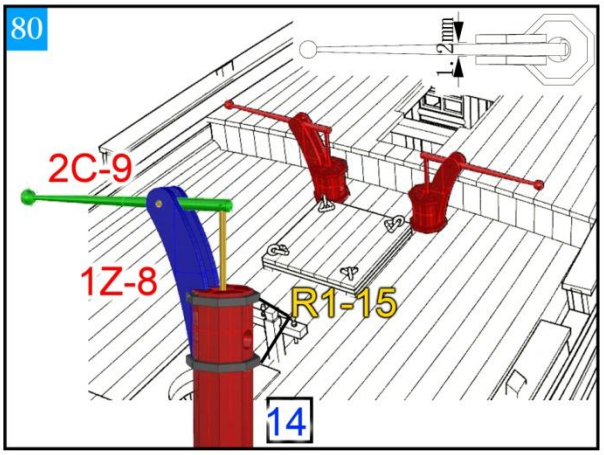


Figure 80. The pumps are constructed as shown.

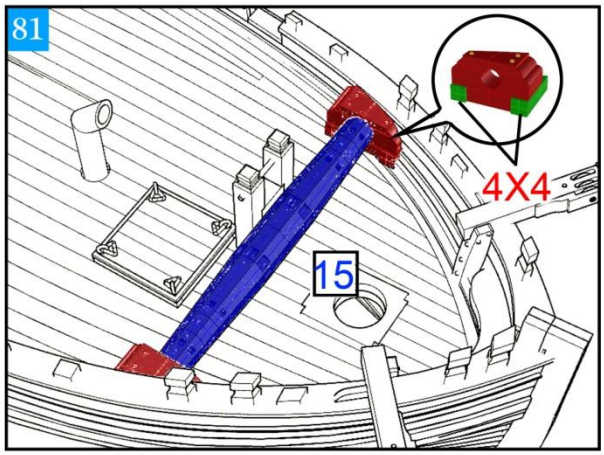


Figure 81. The windlass is constructed as shown.

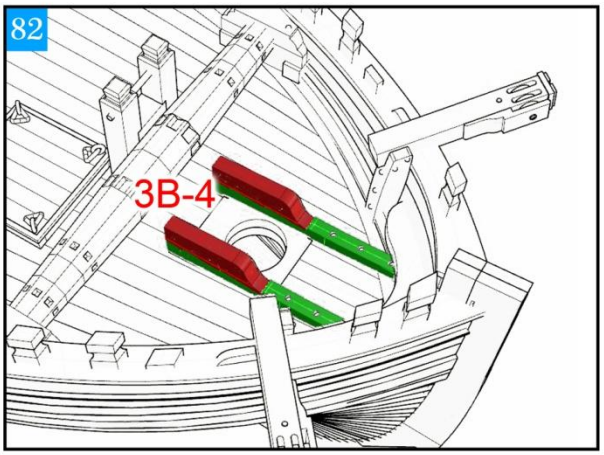
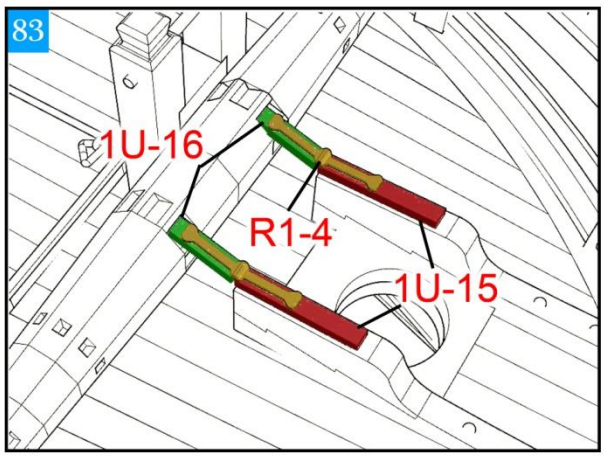


Figure 82–83. The pawl bitts and base is constructed as shown.



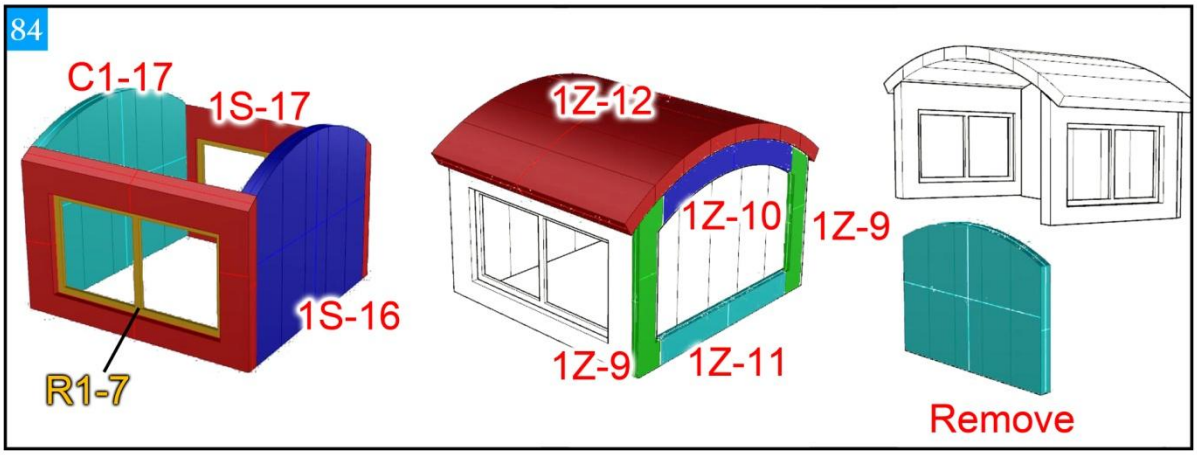


Figure 84. The cabin skylight is constructed as shown, Note that part C1–17 is a temporary template that is removed after the skylight is built.

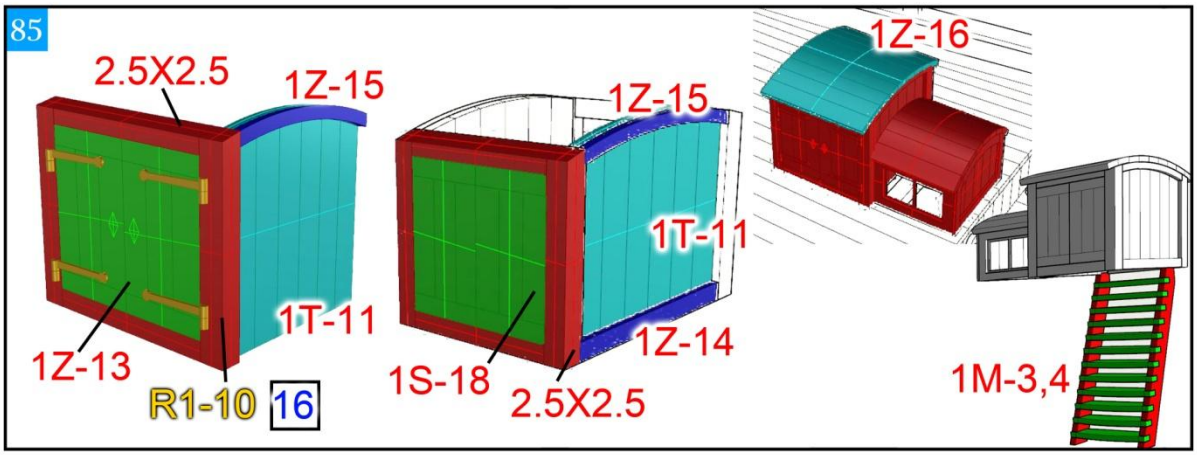


Figure 85. The hatchway is constructed as shown. No. 16 is used to make part R1–10 hinge. After completion, the hatchway is installed together with the skylight.

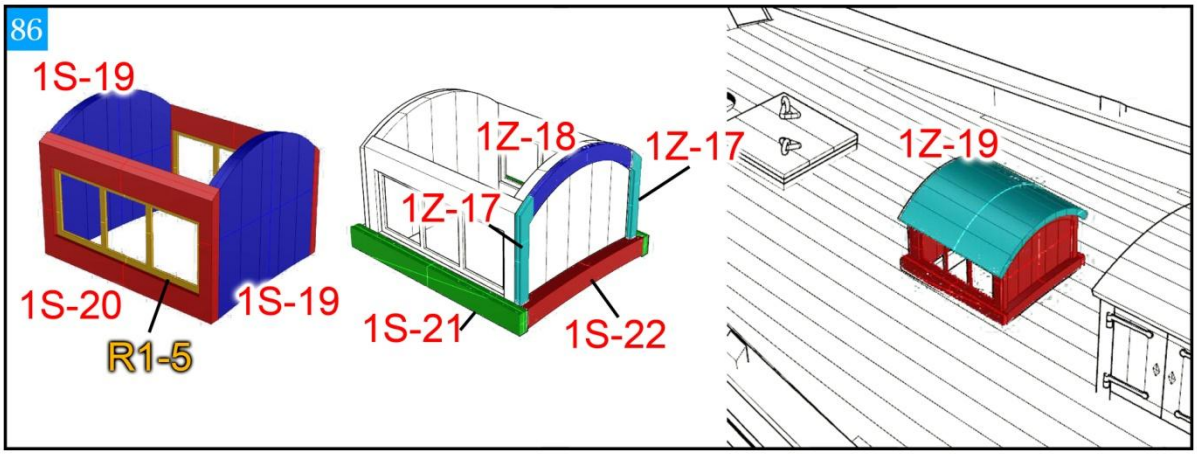


Figure 86. The skylight is constructed as shown.

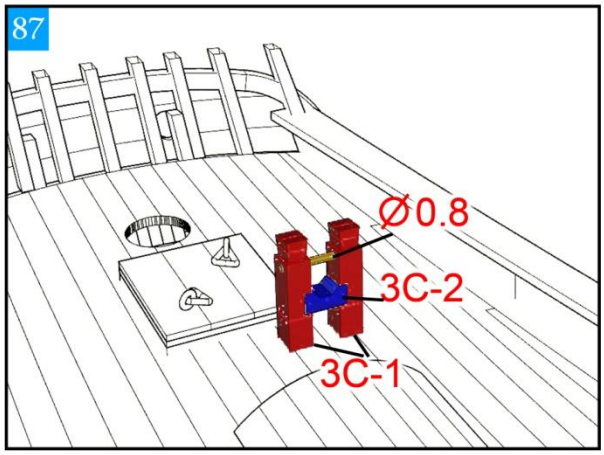


Figure 87. The aft pawl bitts are constructed as shown.

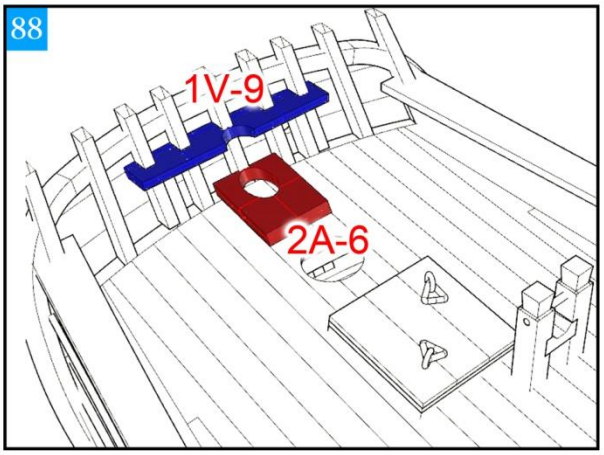


Figure 88. The mizzen mast mountings are assembled and fixed to the hull as shown.

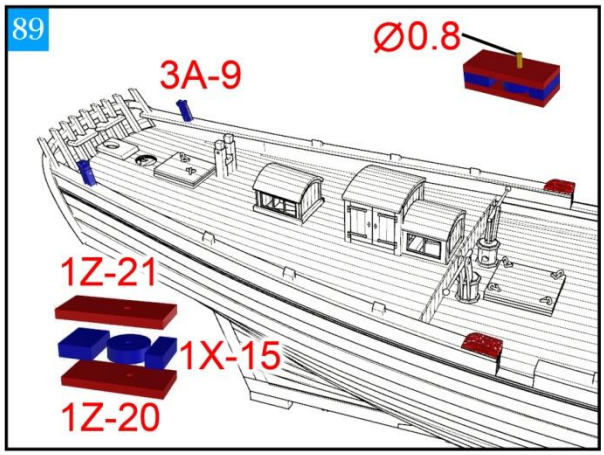


Figure 89. The hull sheeves are made as shown.

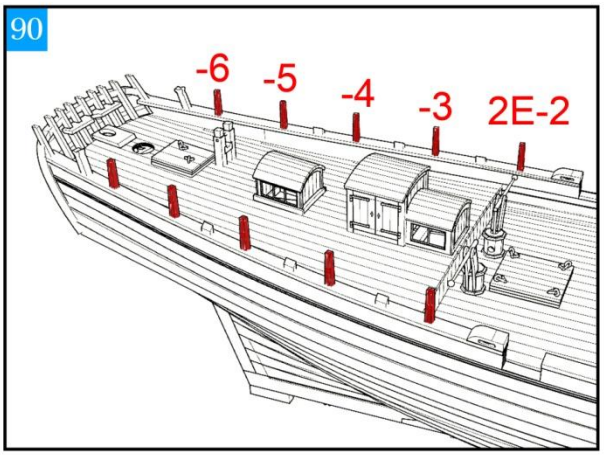


Figure 90. The aft top timbers are installed as shown.

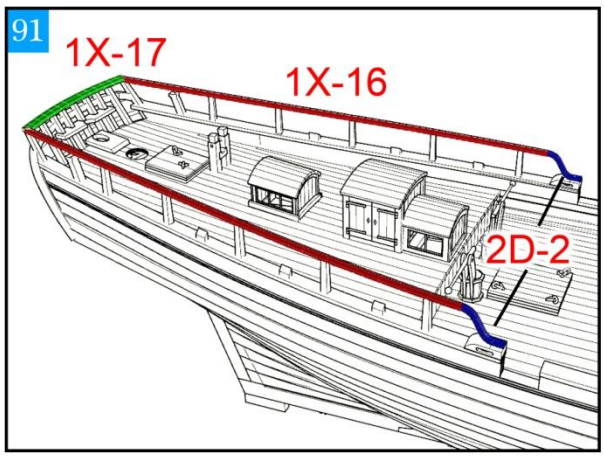
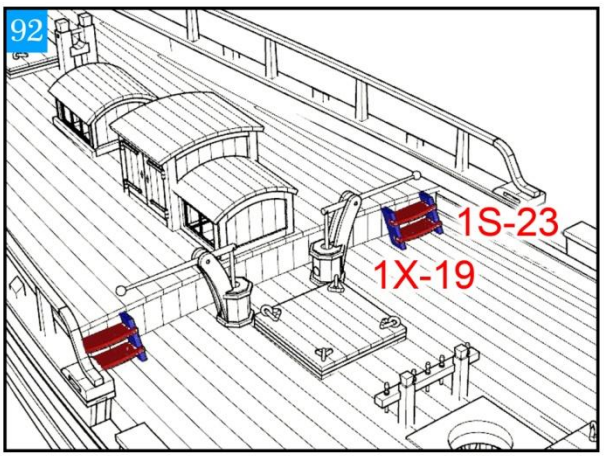
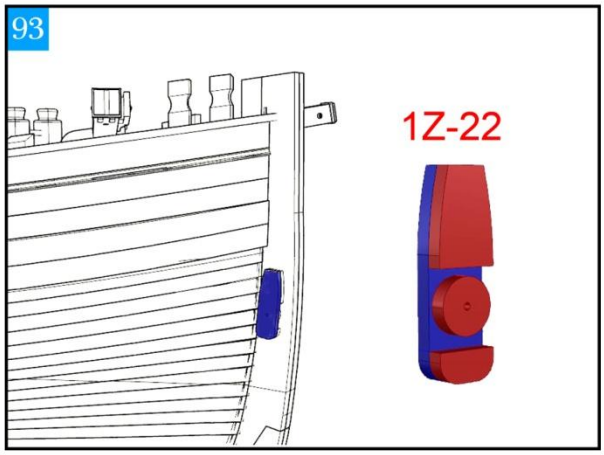


Figure 91. The rail is added as shown.





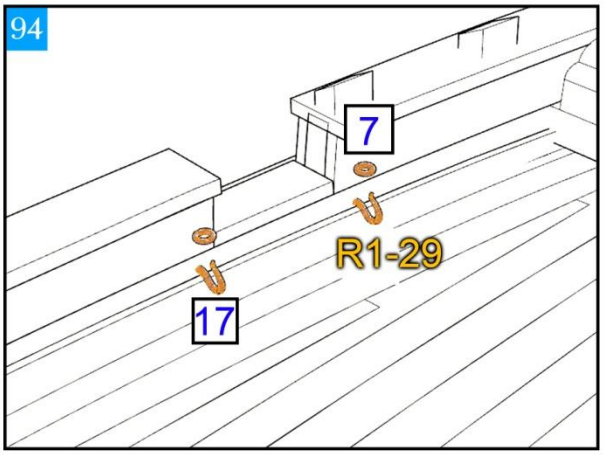
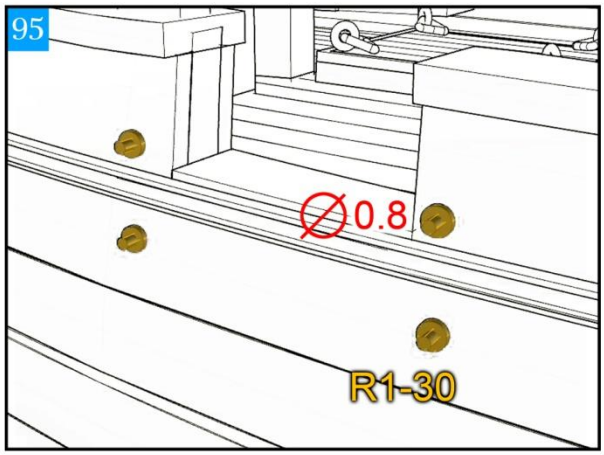
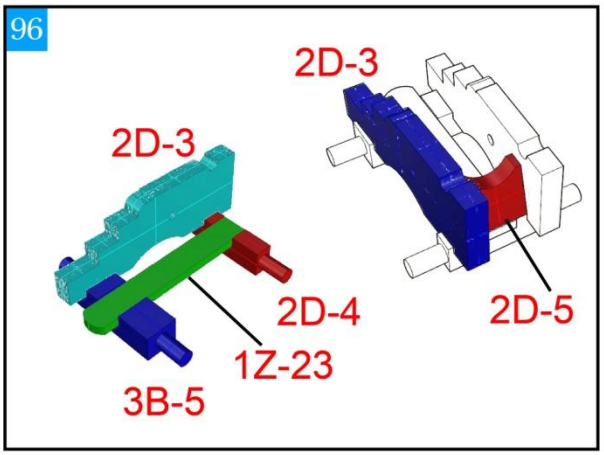
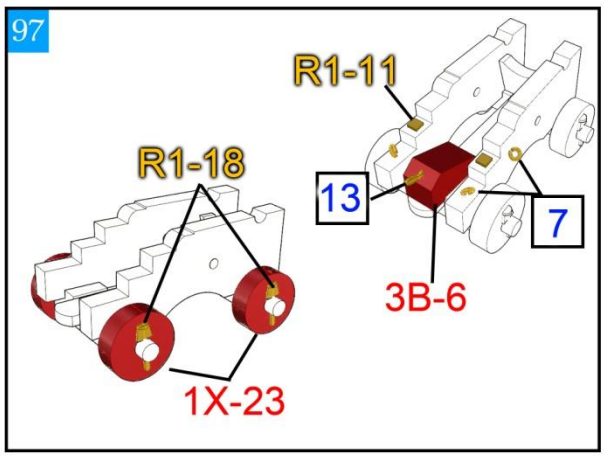
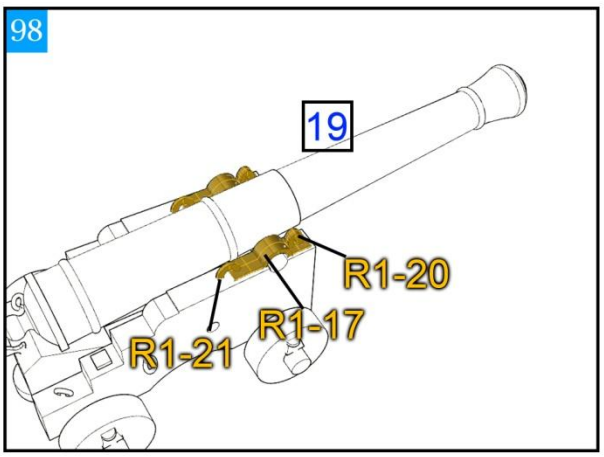


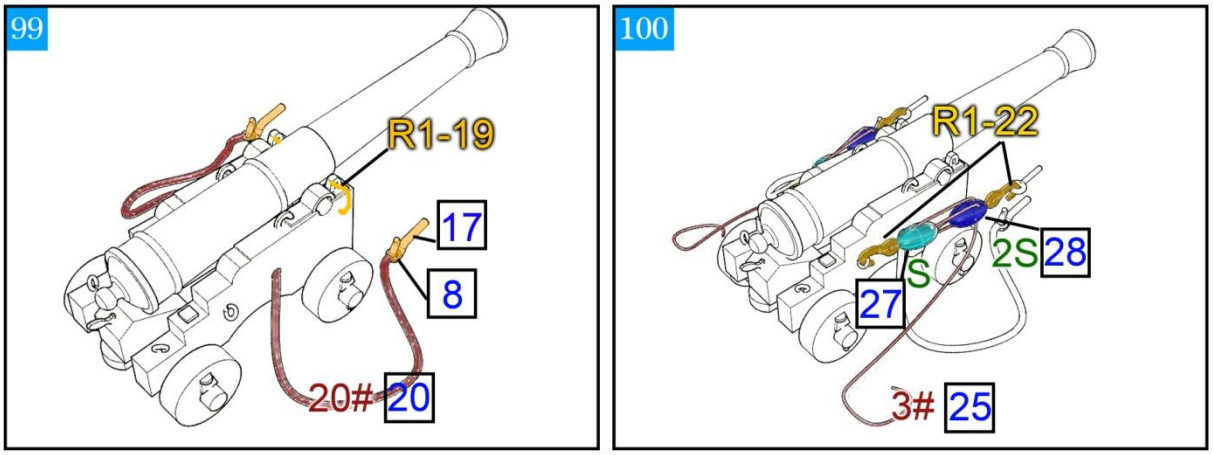
Figure 94. No. 17 can be used to make the parts shown or parts R1–29 as shown.











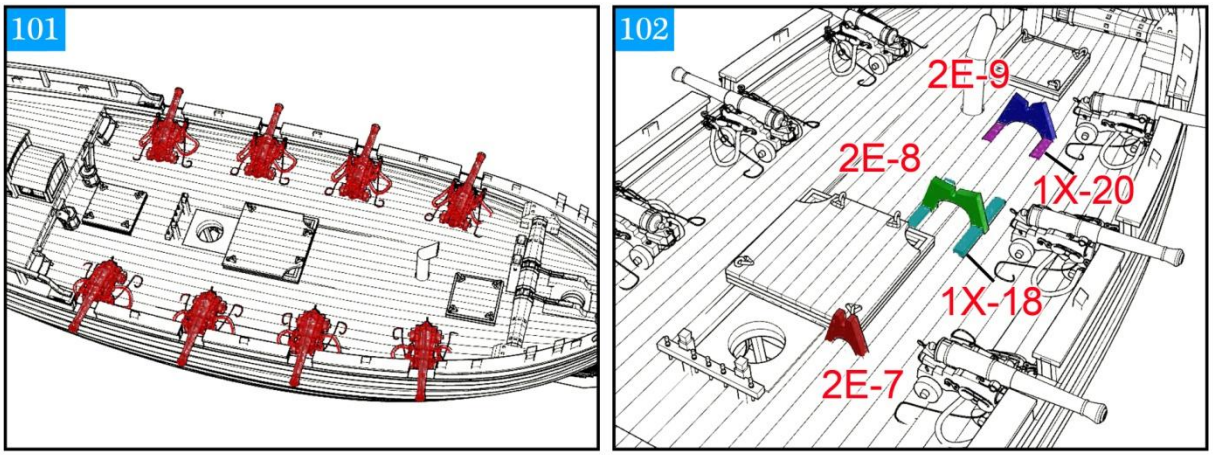


Figure 102. Making the boat skids

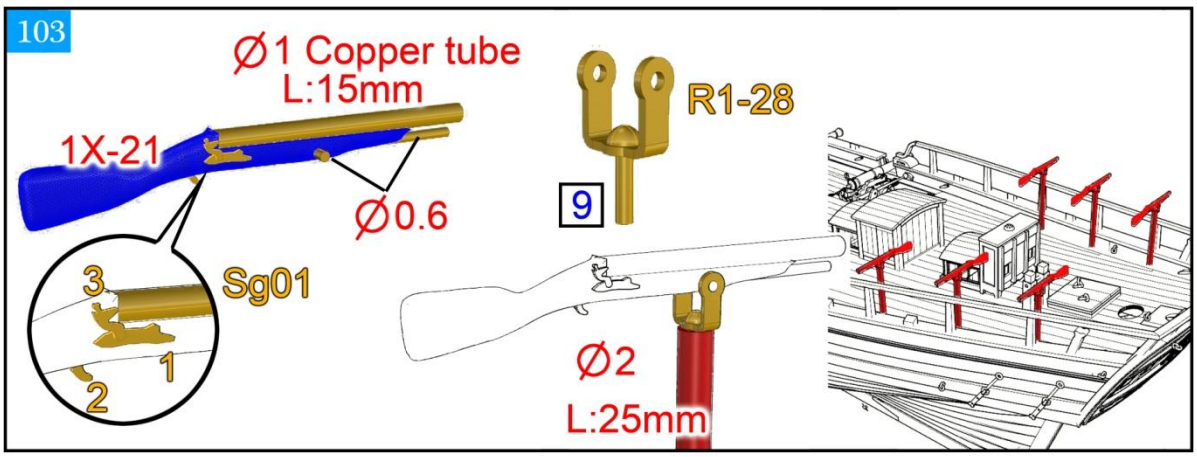


Figure 103. Construction of the swivel guns.

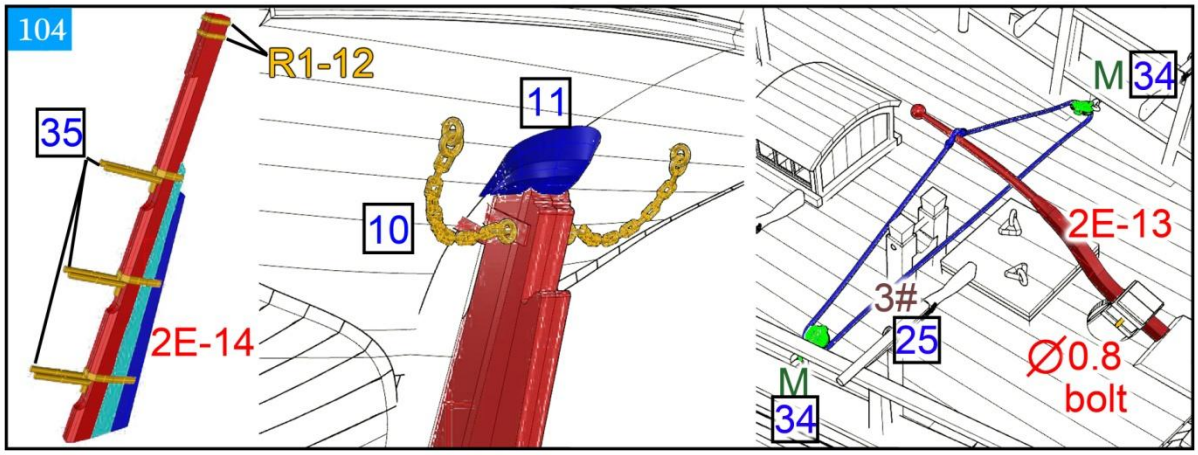


Figure 104. Rudder construction and installation into the hull. The rudder hole is covered with leather (No 11).

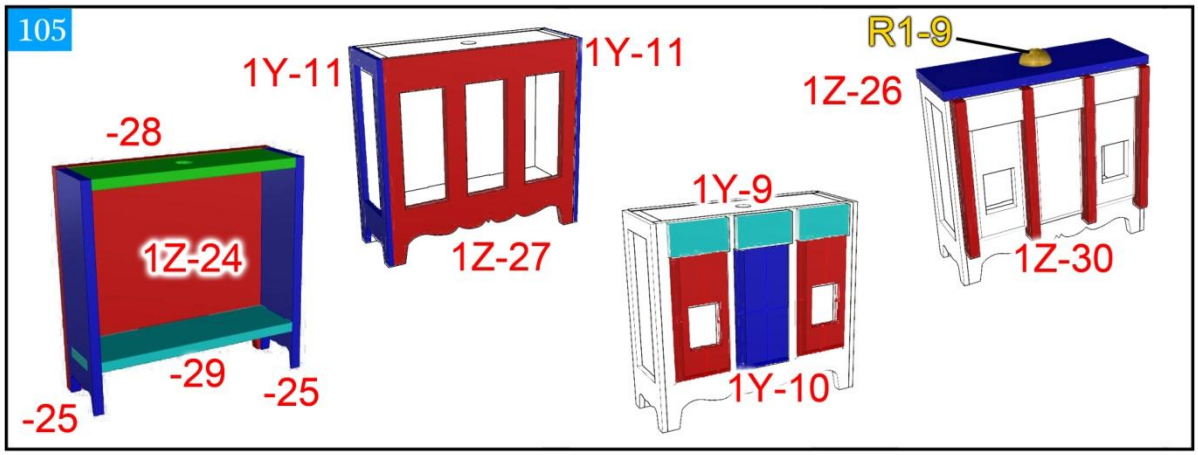
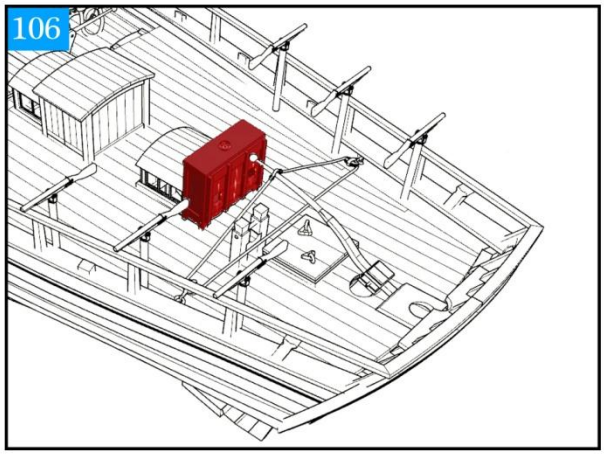


Figure 105–106. Construction of the compass cabinet.



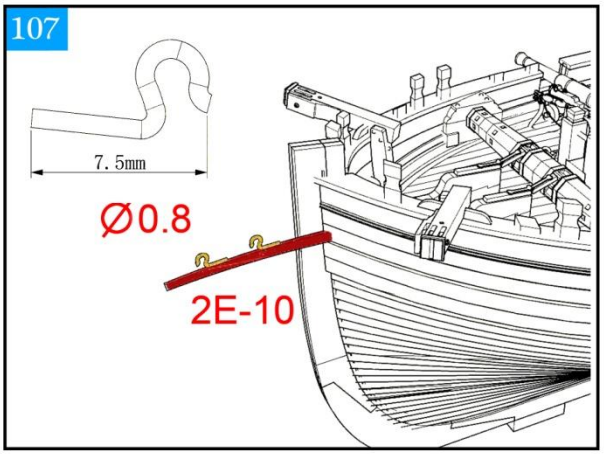


Figure 107. Construction of the boomkin and hooks.

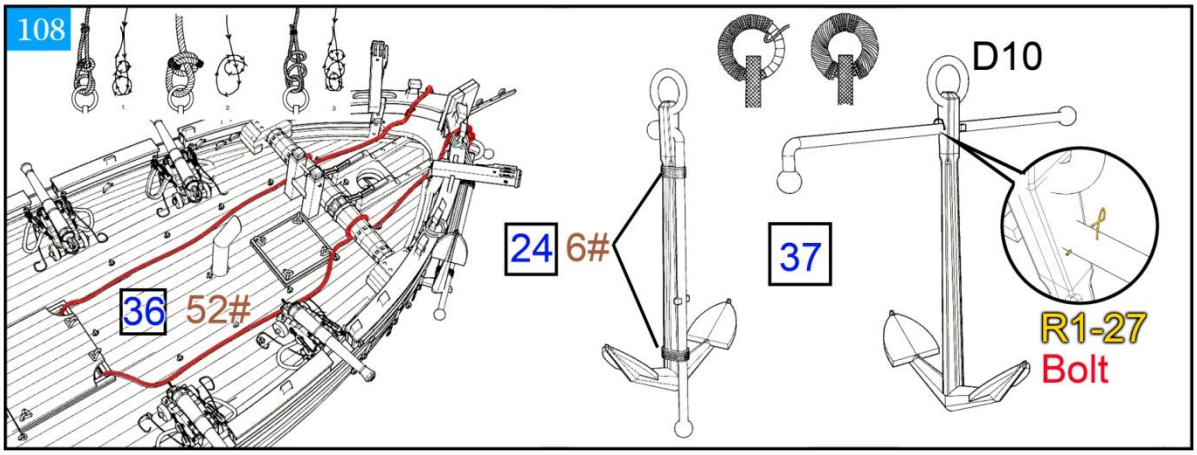
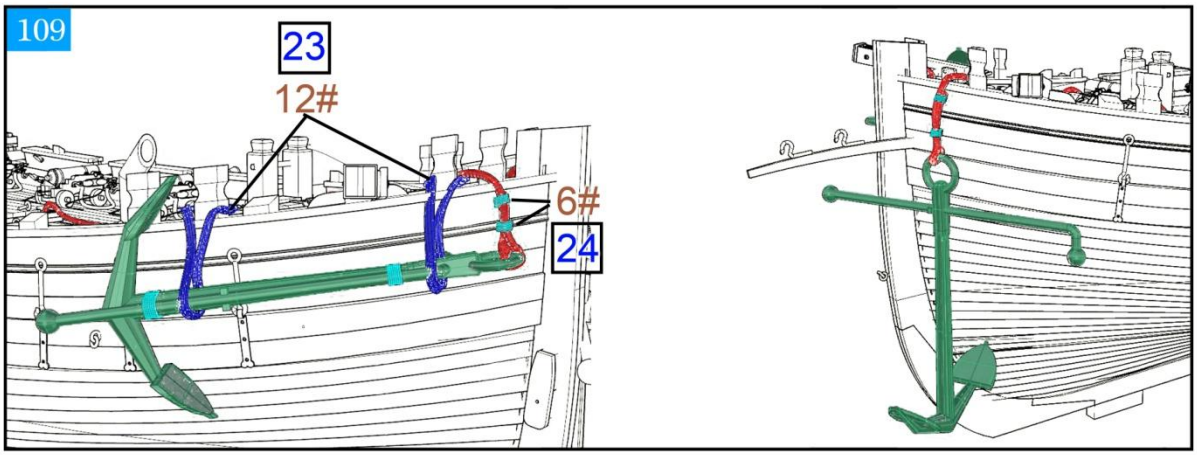


Figure 108–109. Constructions of the anchors, installation and run of anchor cables.



The drawings illustrate that the anchors can be showed as stowed or deployed.

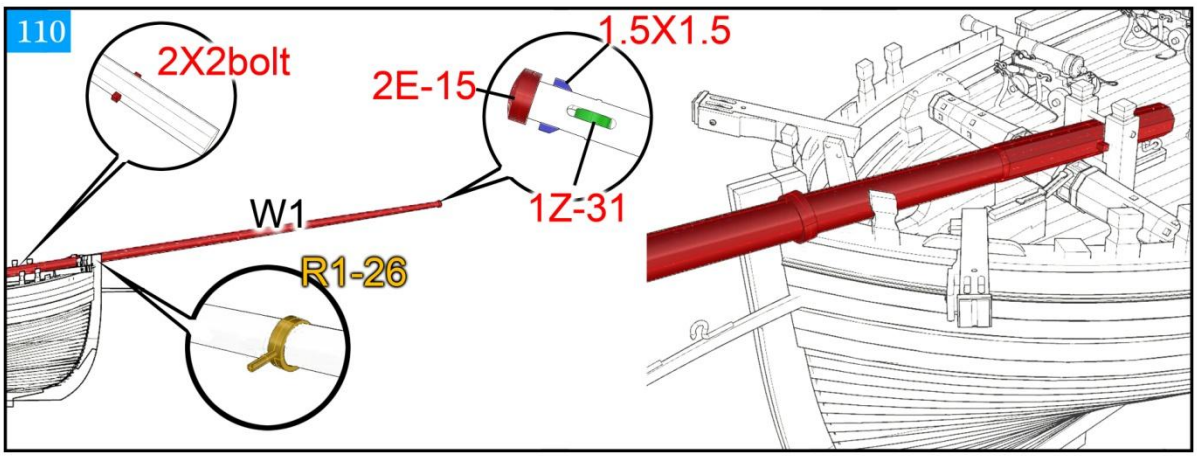
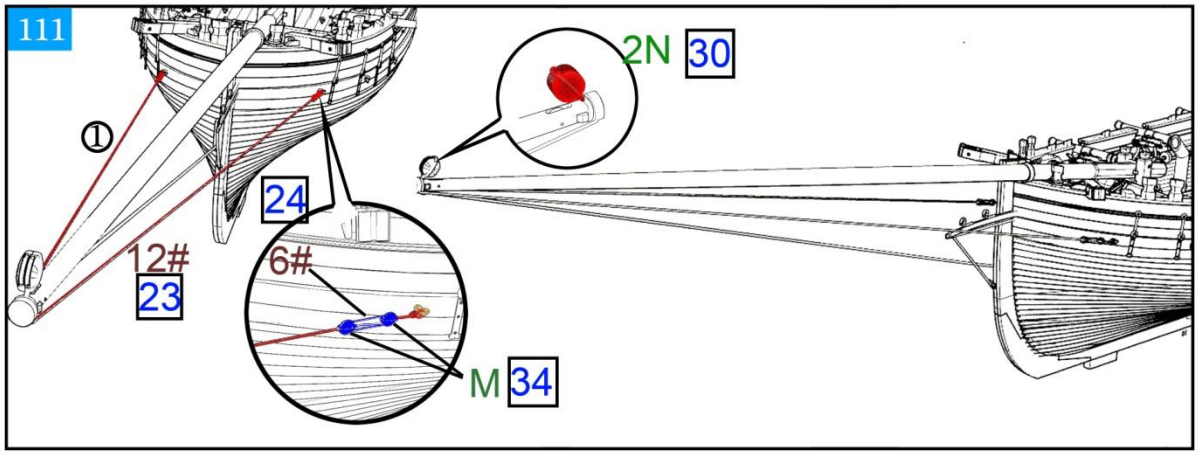
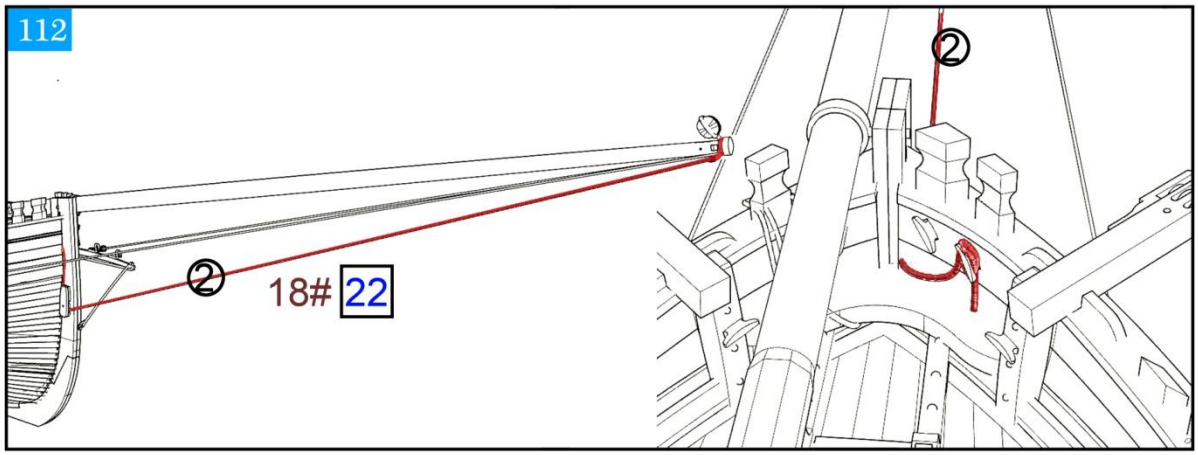
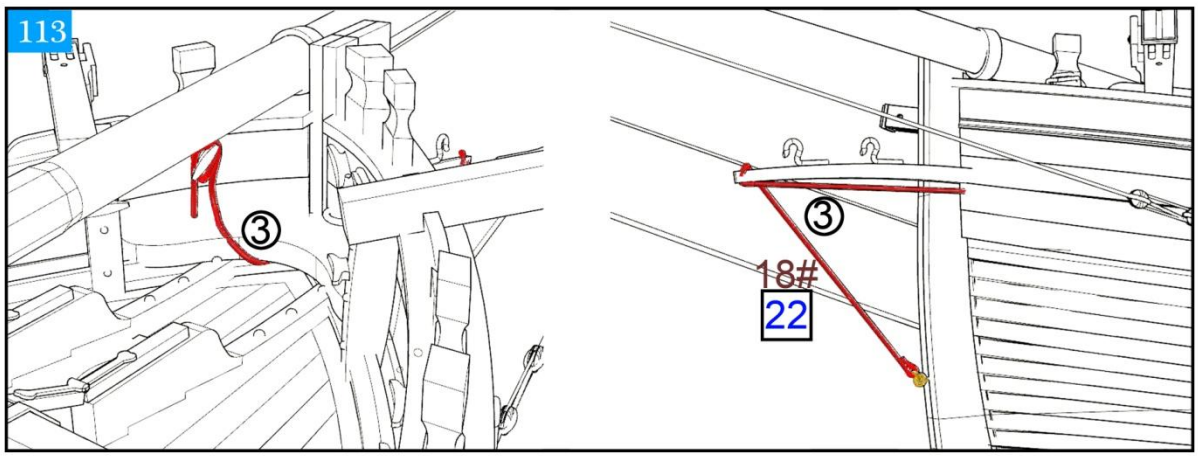


Figure 110–113. Construction of the bowsprit (W1) and installation of bowsprit stays.


111
2N 30
①
24
12#
23
6#
M 34


112
②
②
18# 22


113
③
③
18#
22

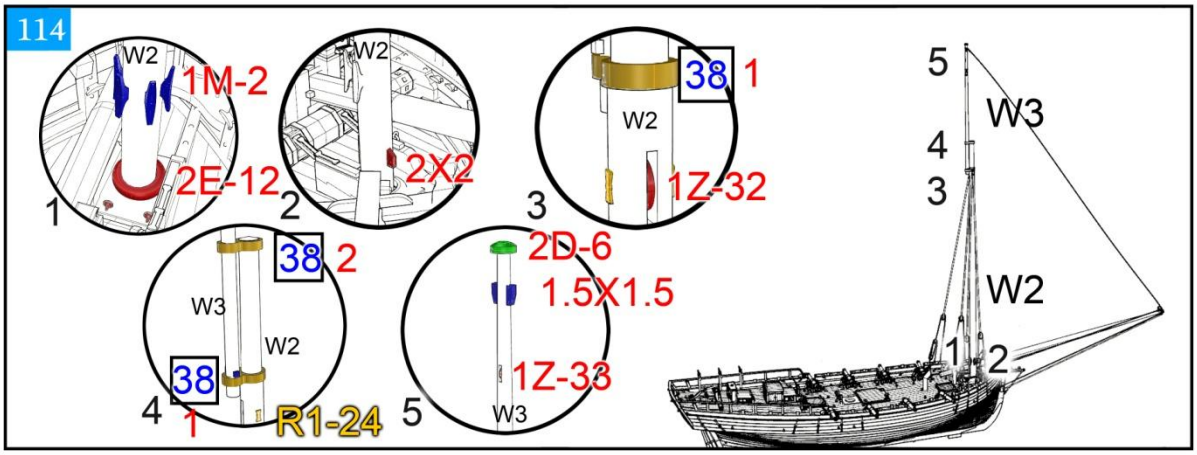
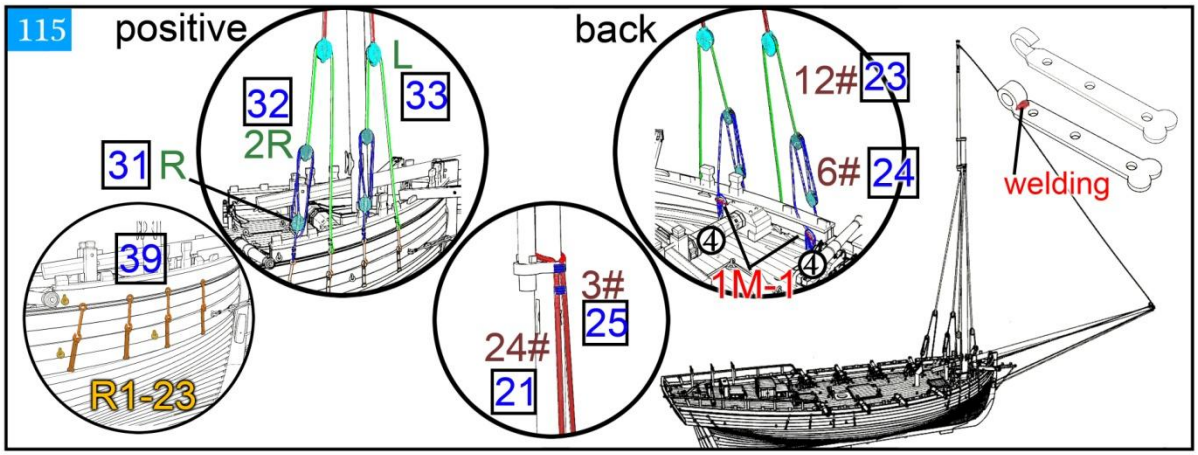
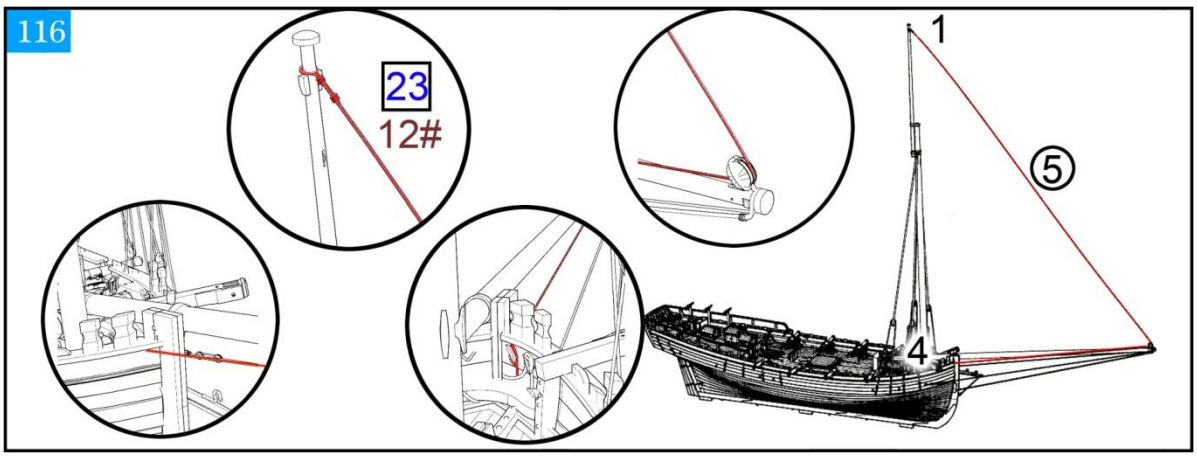
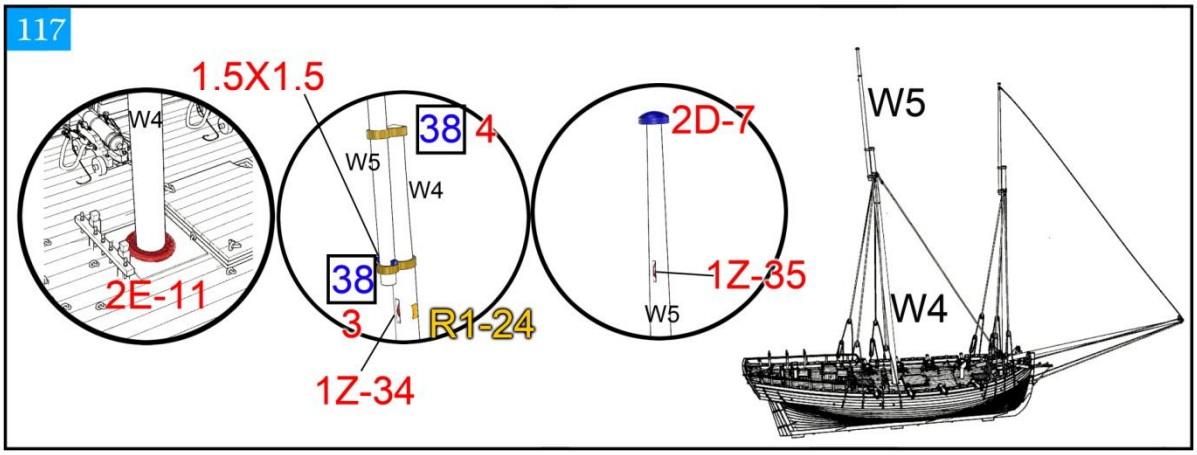


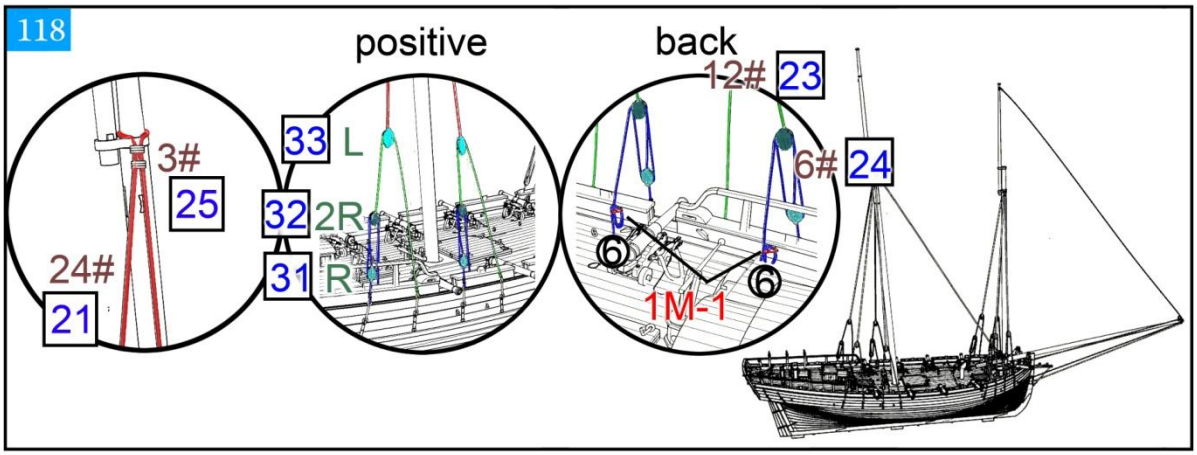
Figure 114–116. Construction of the foremast and installation of foremast stays.

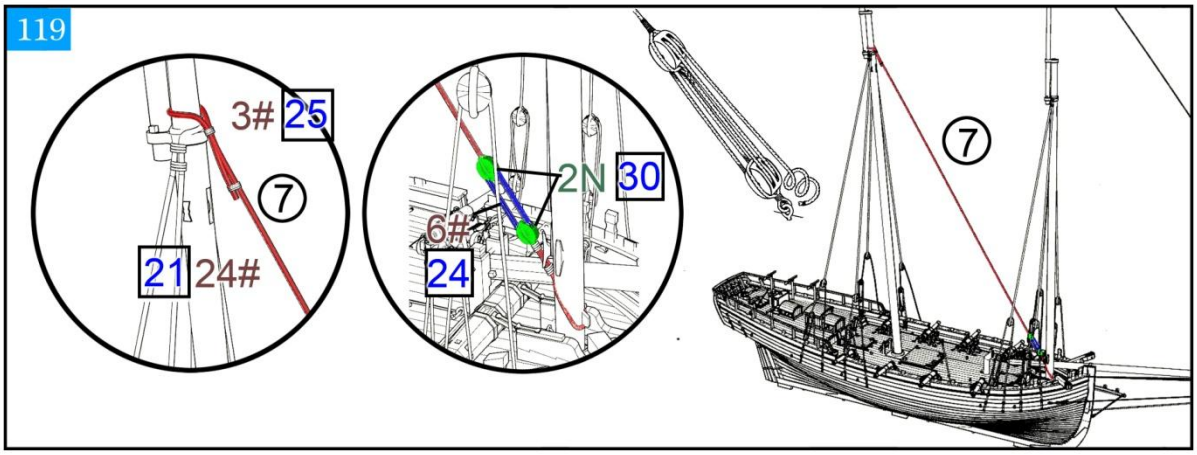


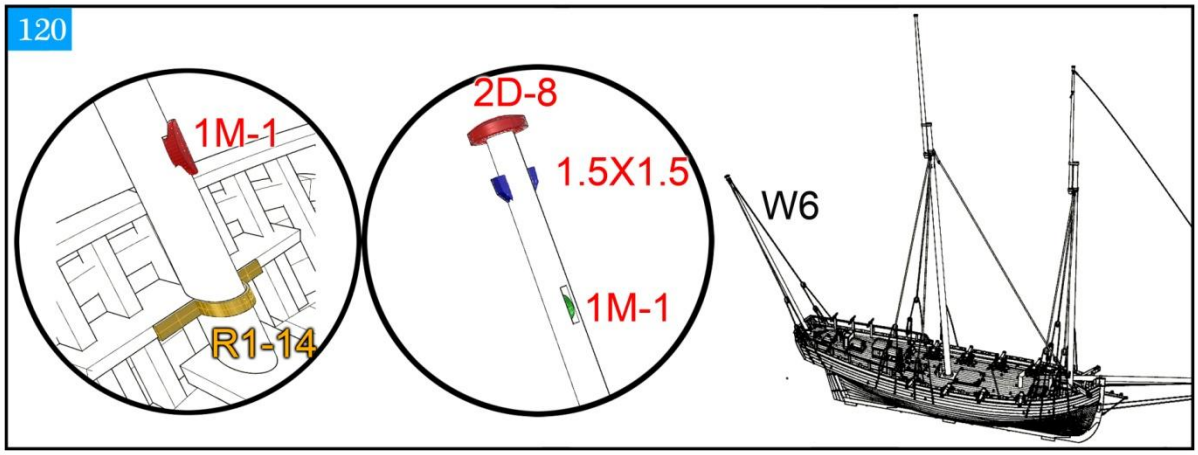


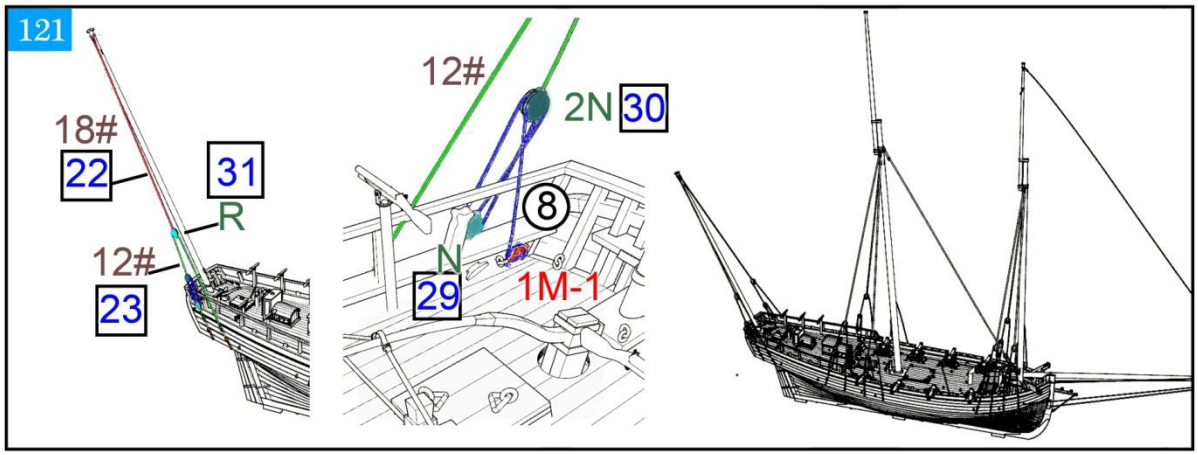


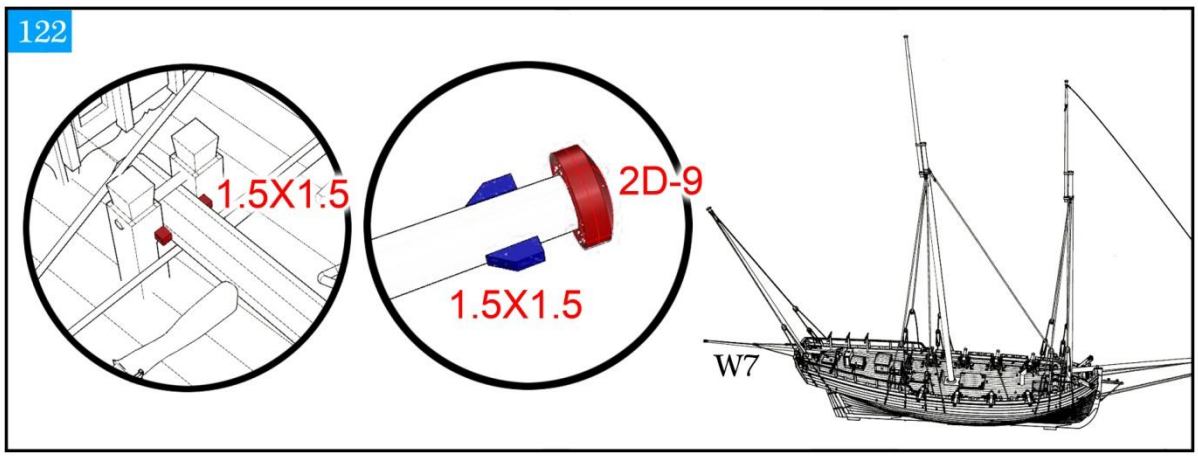
Figures 117–124. Installation of the main mast and fitting of the mainmast stays, and the mizzen and mizzen stays.

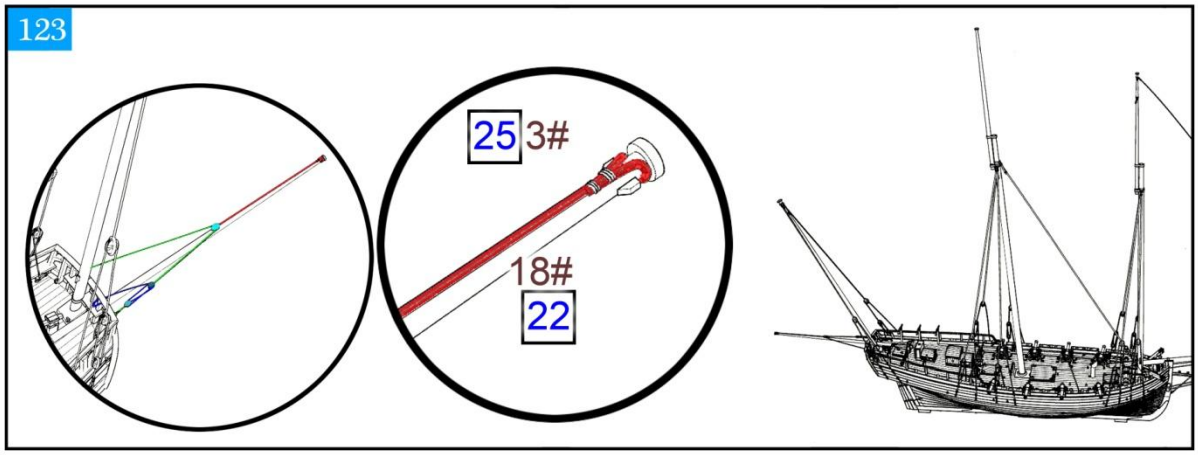


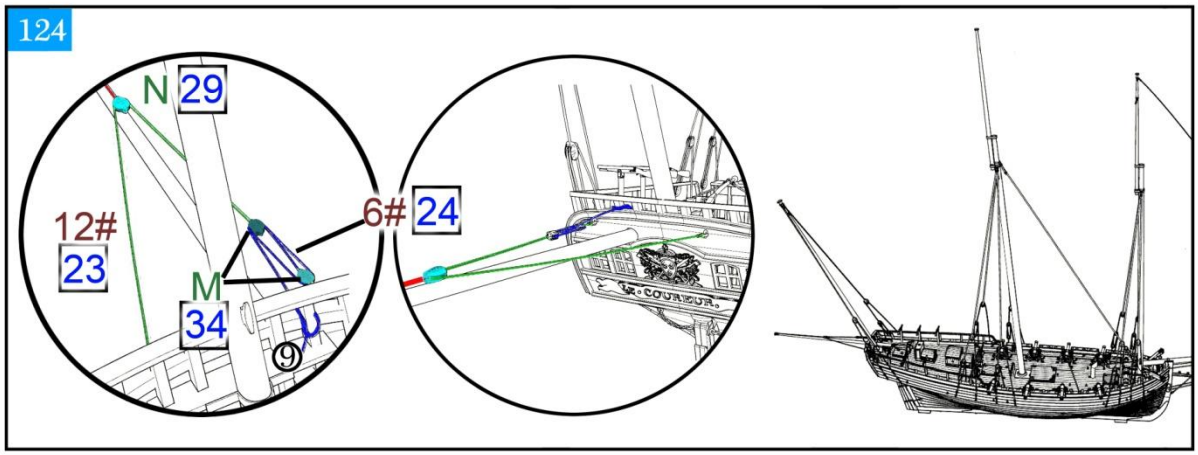



120
1M-1
R1-14
2D-8
1.5X1.5
1M-1
W6


121
18#
22
31
R
12#
23
12#
2N
30
8
N
29
1M-1


122
1.5X1.5
2D-9
1.5X1.5
W7





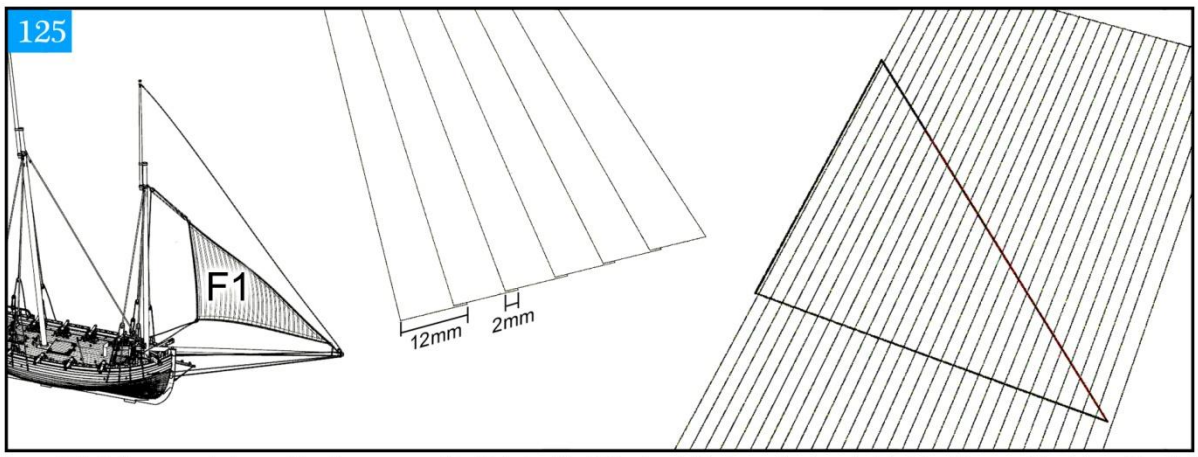


Figure 125. Sails are made by soaking the canvas with diluted white PVA glue, let it dry and cut materials into 12 mm wide strips with a knife. The strips of cloth together with a 2mm overlap to form a sheet sailcloth to cut the actual sails according to the dimensions shown on the plans,

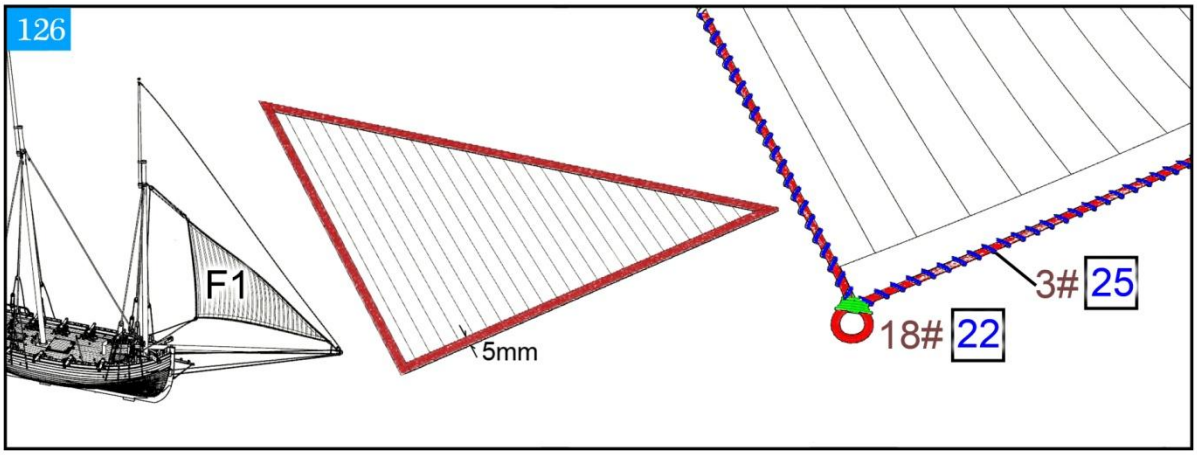


Figure 126. A 5mm wide reinforcing strip is glued around the edge of the sails. A boltrope (#18) is stitched along the edge of the sail using thread #3.

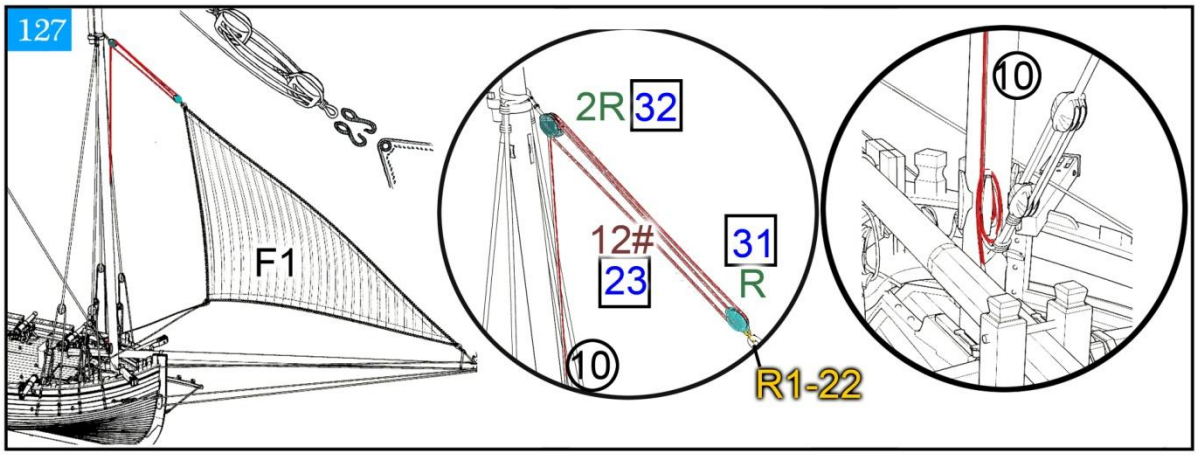
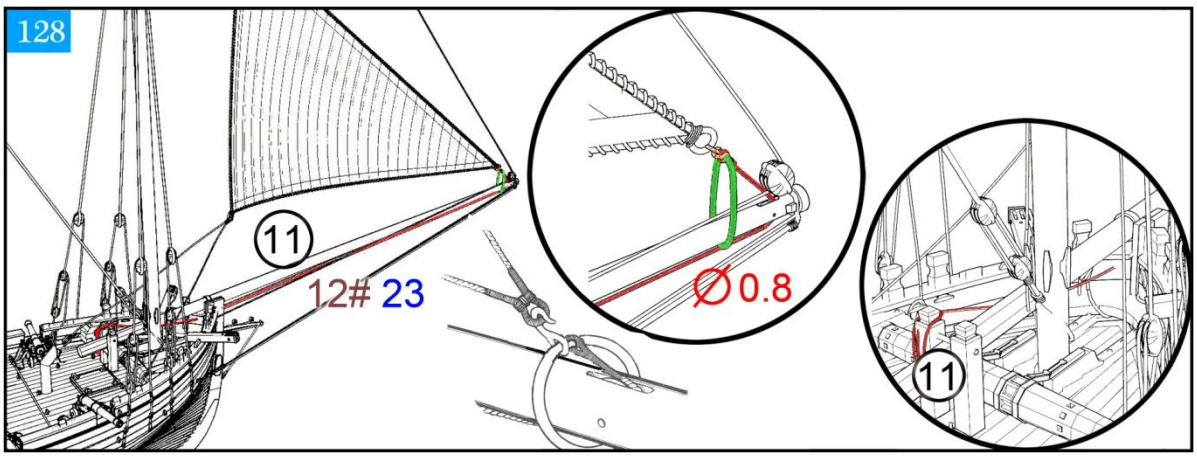
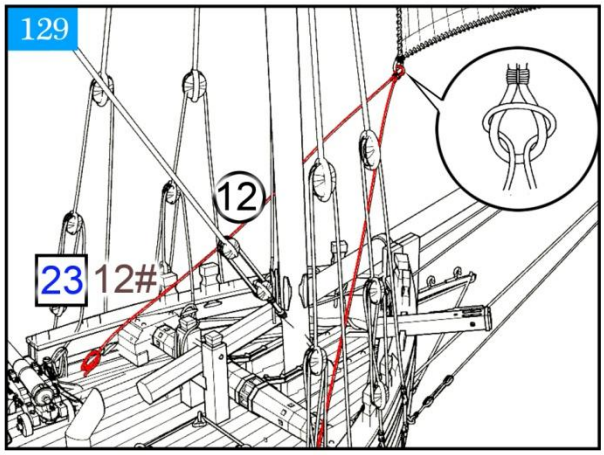


Figure 127. Installation and rigging of the spinnaker sail.





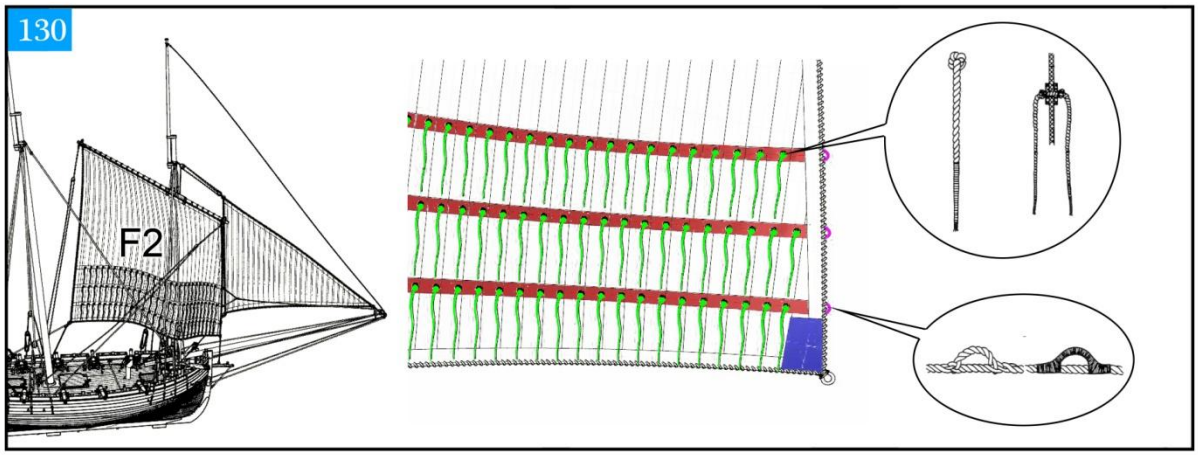
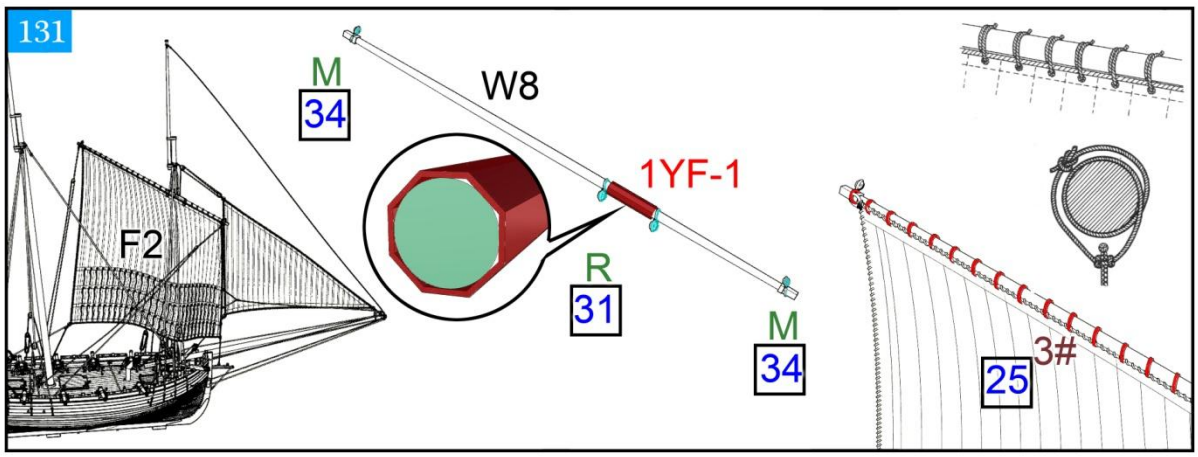
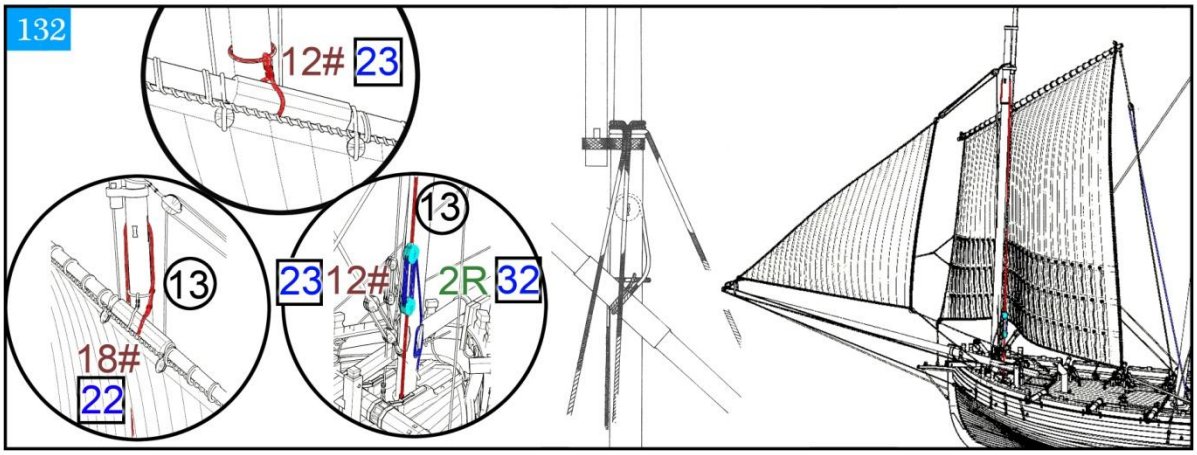
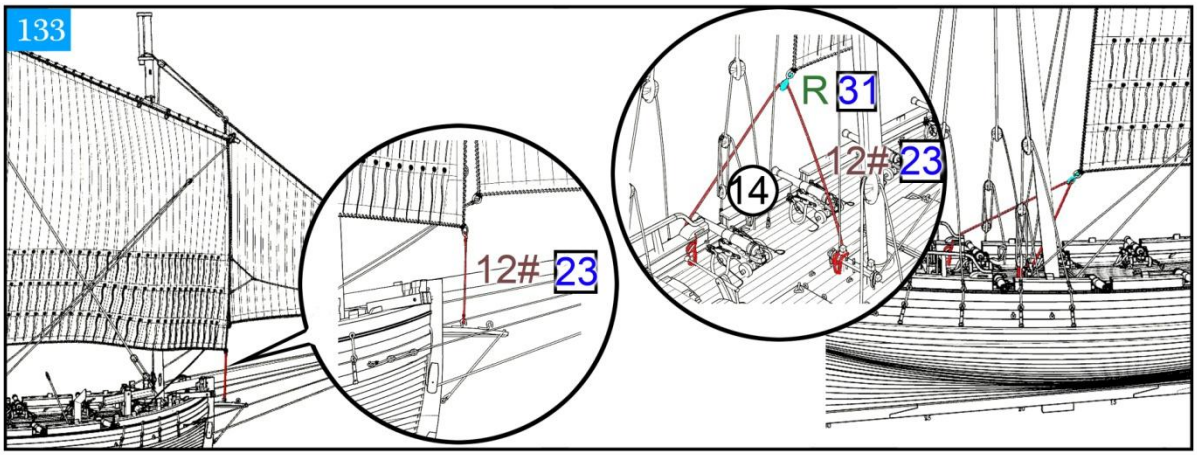
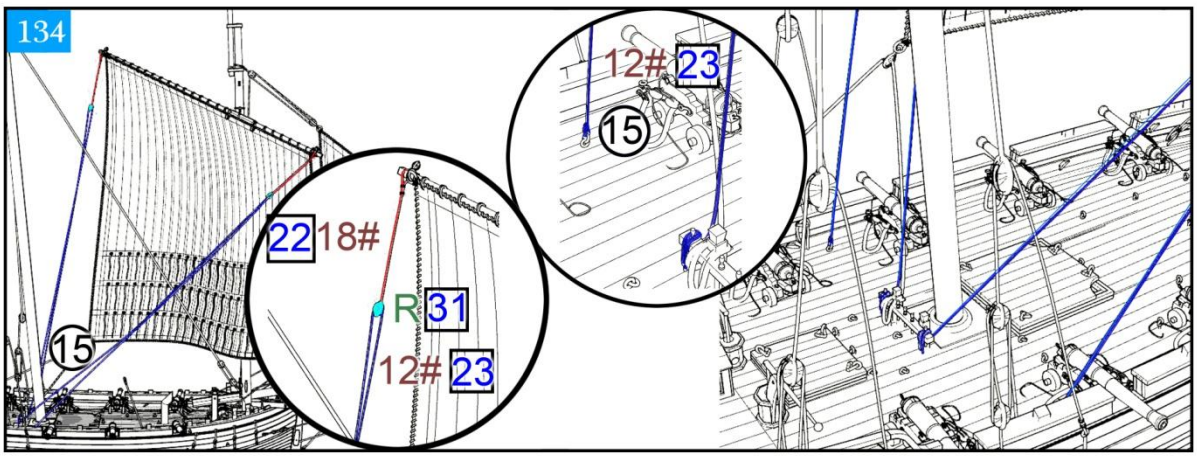


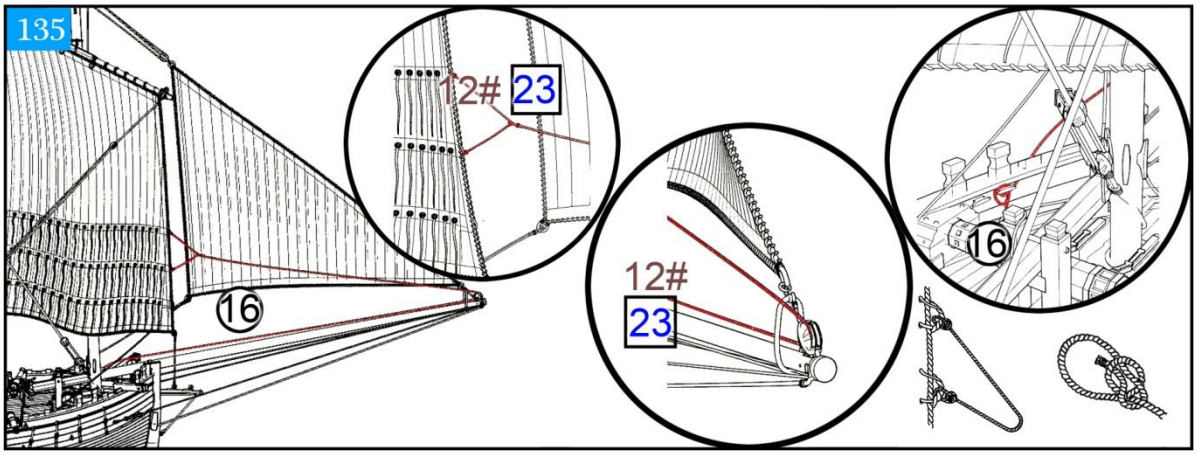
Figure 130. 5 mm wide reef bands are glued to each lug sail, and reef points installed as shown.

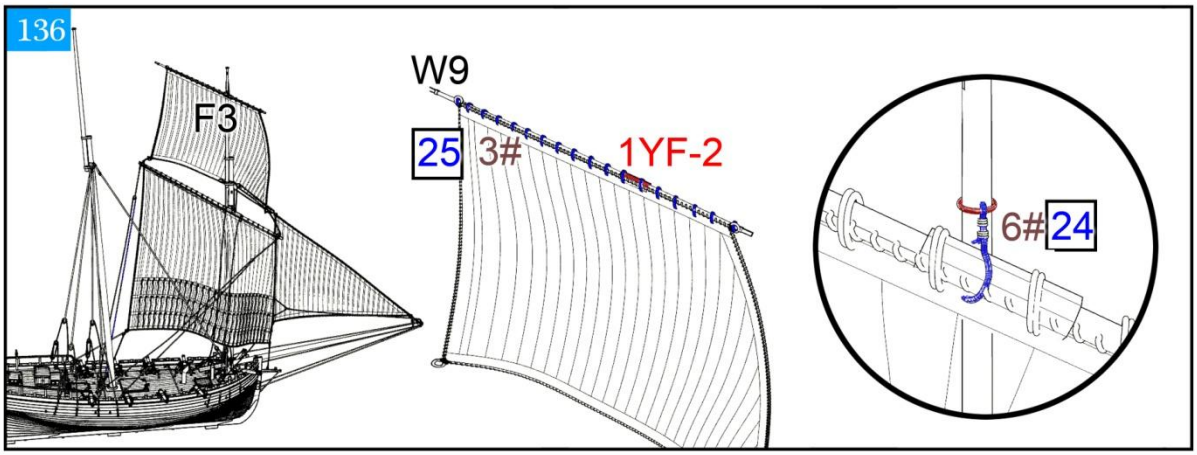


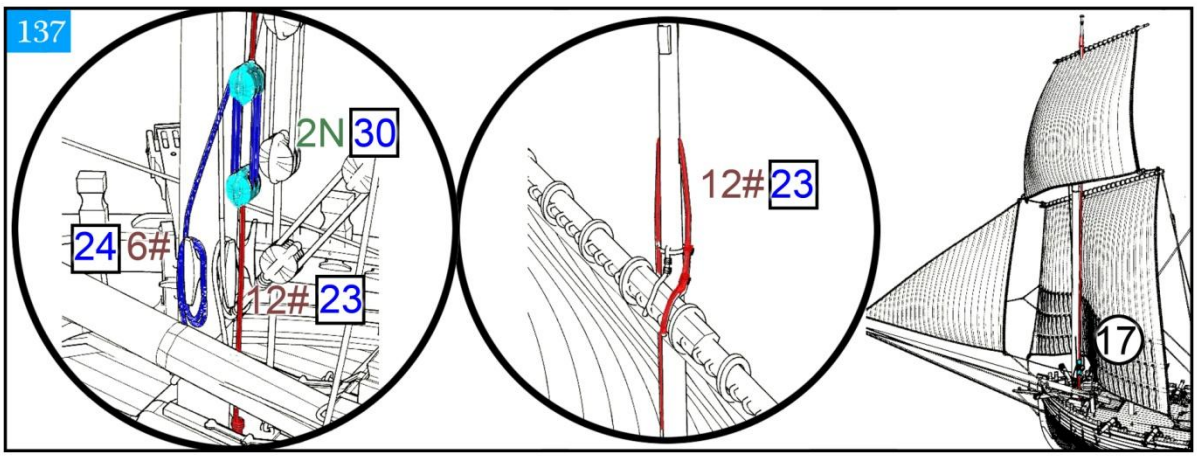

132
12# 23
13
13
23 12# 2R 32
18#
22

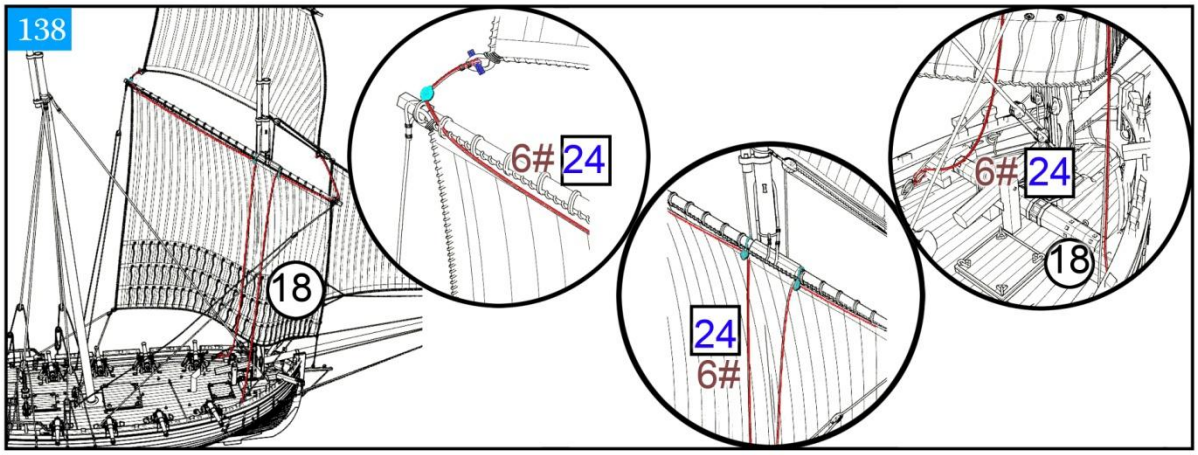

133
12# 23
R 31
12# 23
14

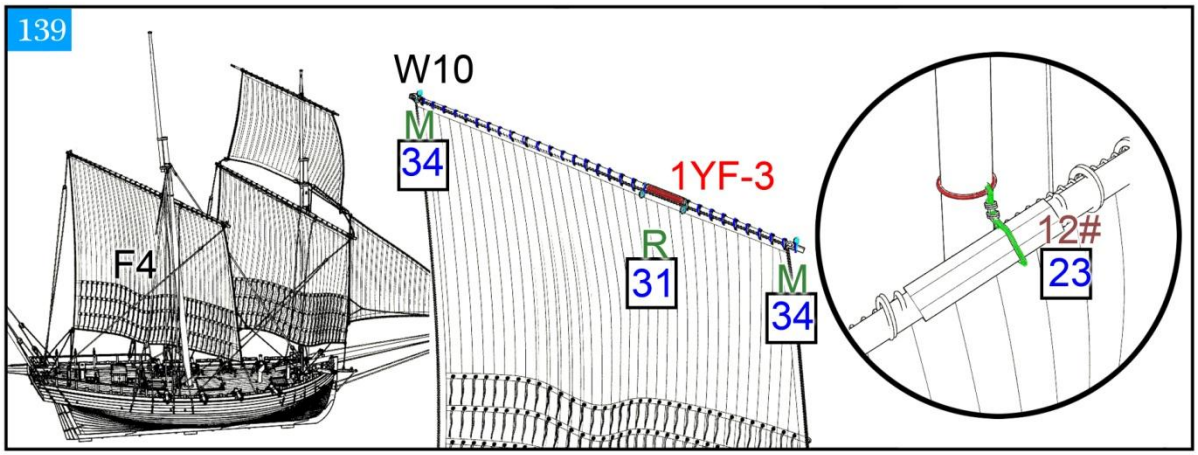

134
12# 23
15
22 18#
R 31
12# 23
15

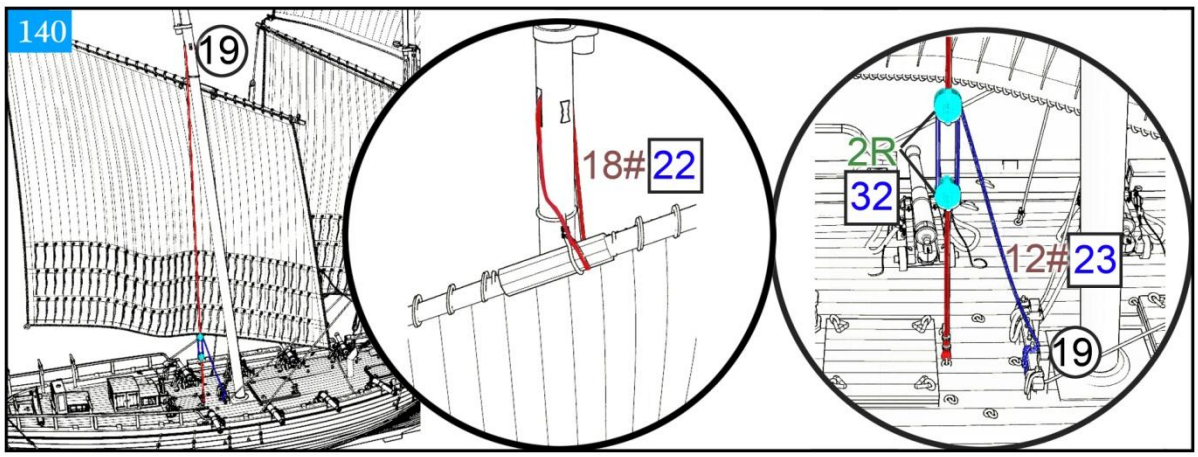

135
12# 23
16
12#
23
16

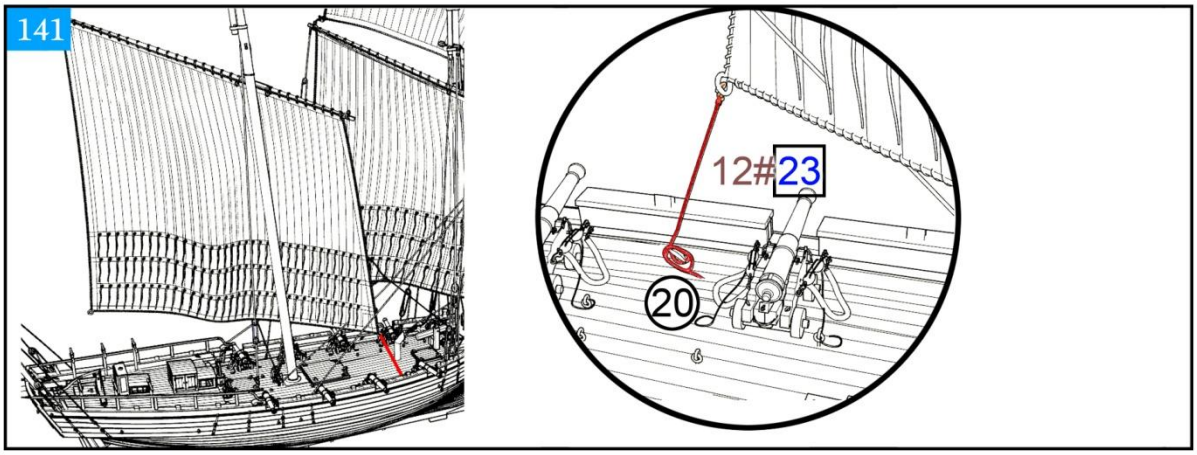

136
F3
W9
25 3#
1YF-2
6# 24

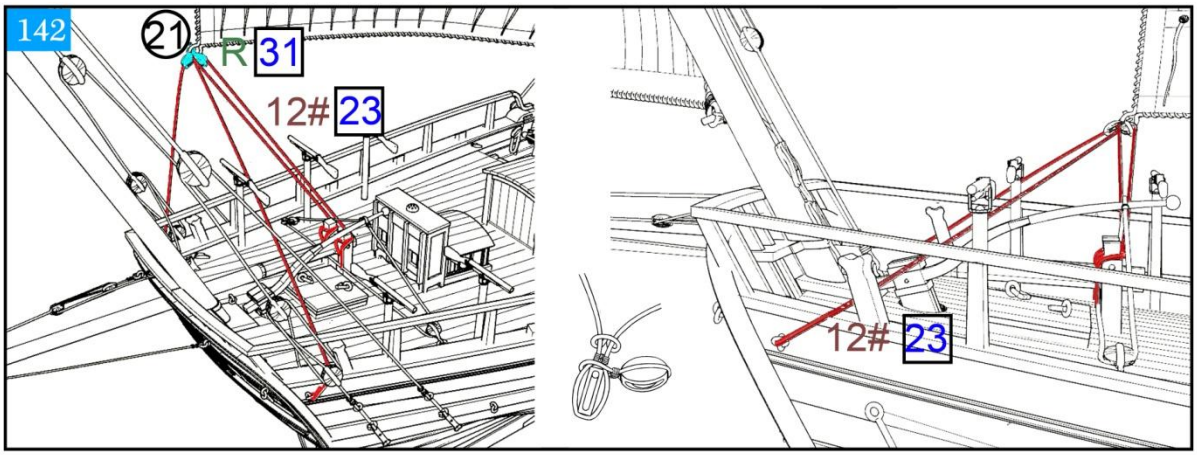

137
2N 30
24 6#
12# 23
12# 23
17

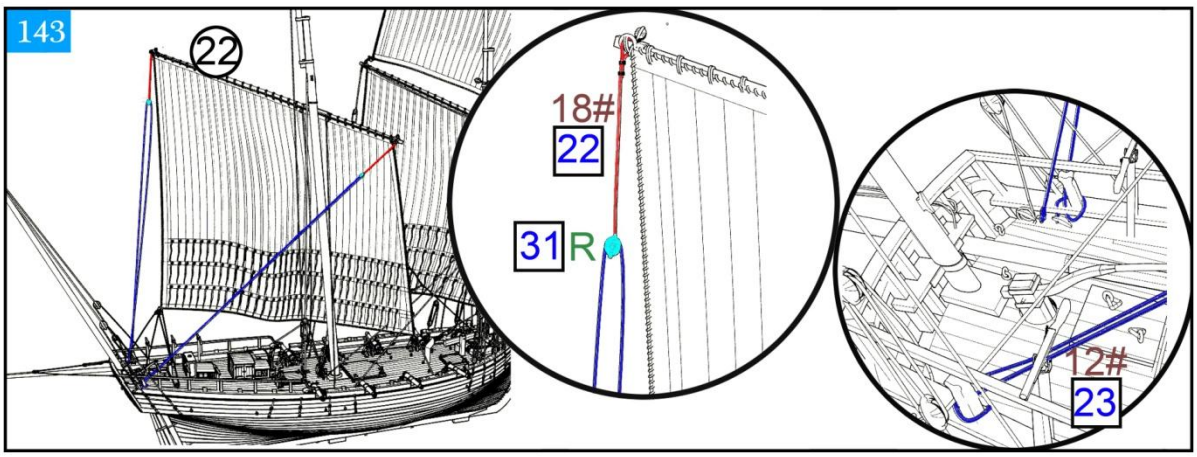

138
18
6# 24
24
6#
6# 24
18

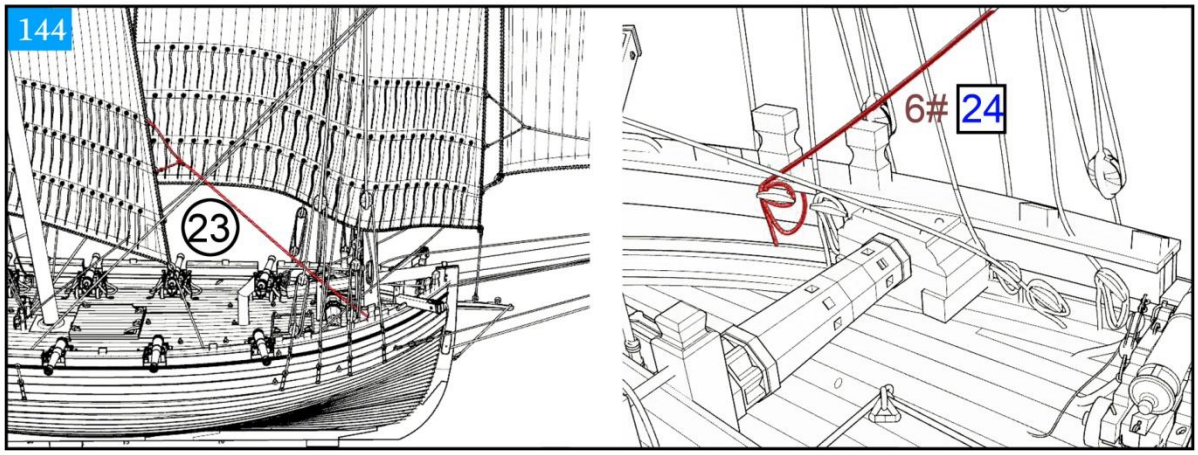

139
F4
W10
M
34
1YF-3
R
31
M
34
12#
23

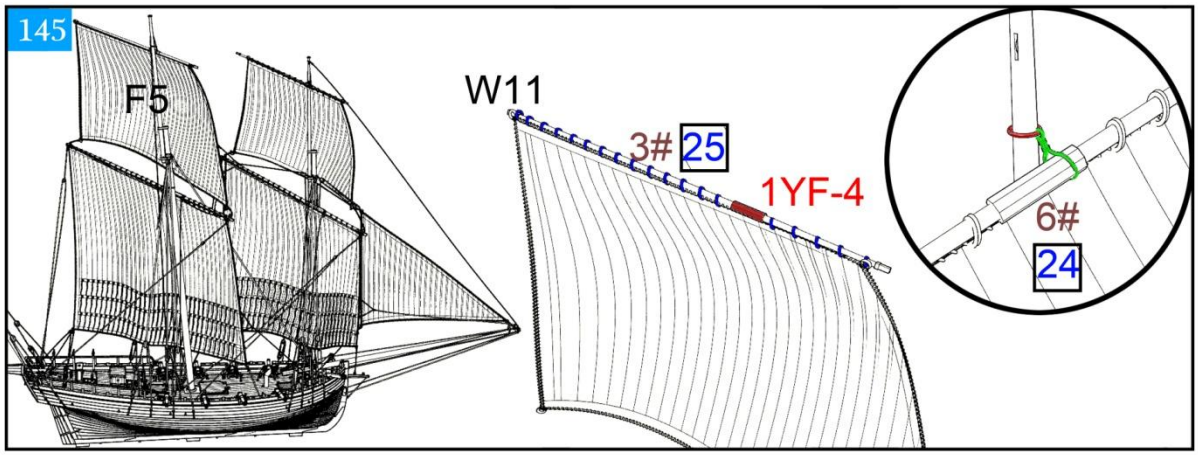

140
19
18# 22
2R
32
12# 23
19

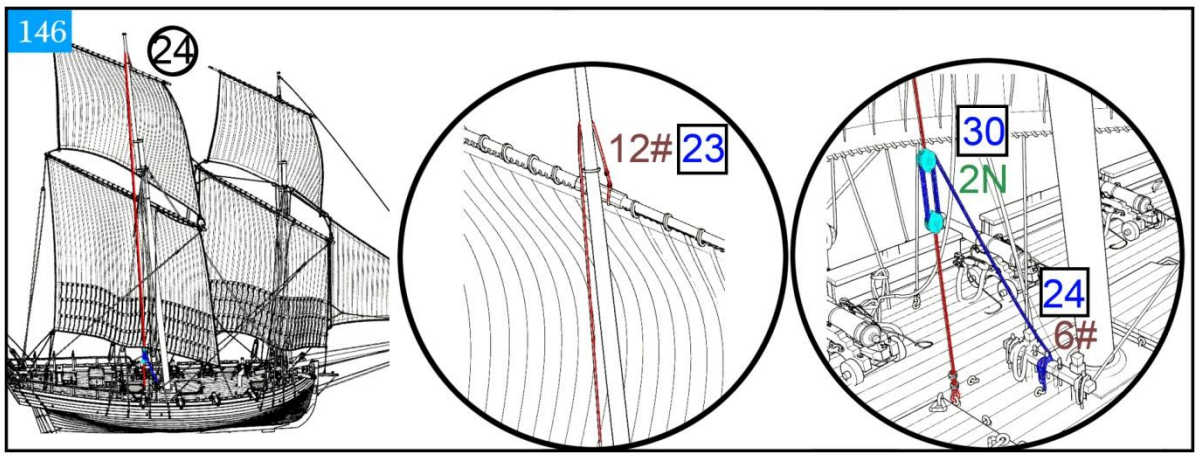

141
12#23
20

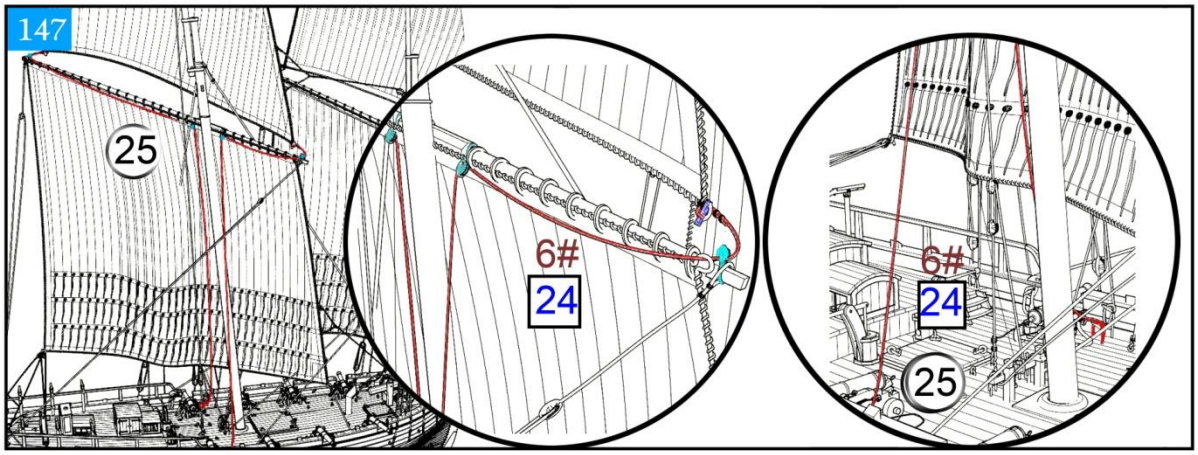

142
21
R
31
12#
23
12#
23

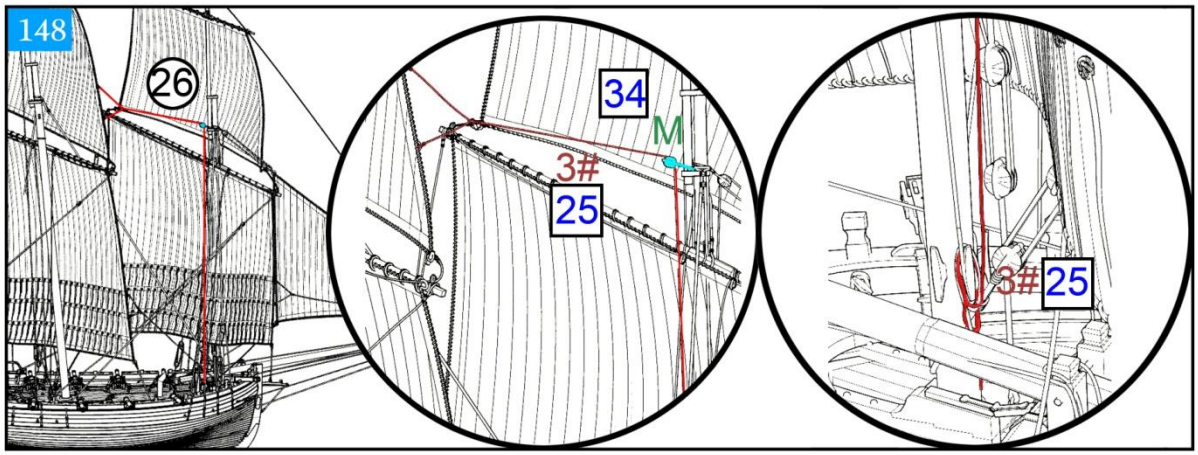

143
22
18#
22
31
R
12#
23

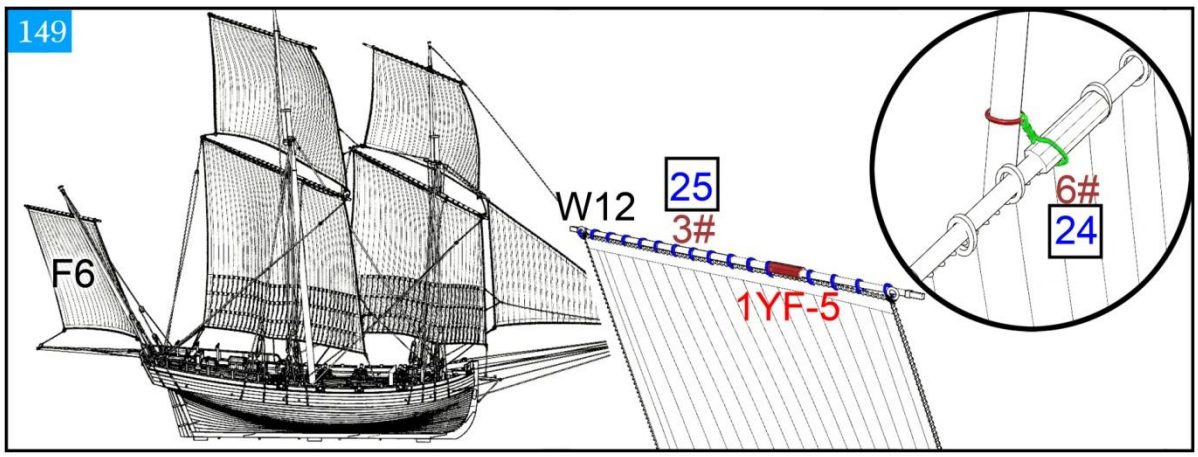

144
23
6# 24

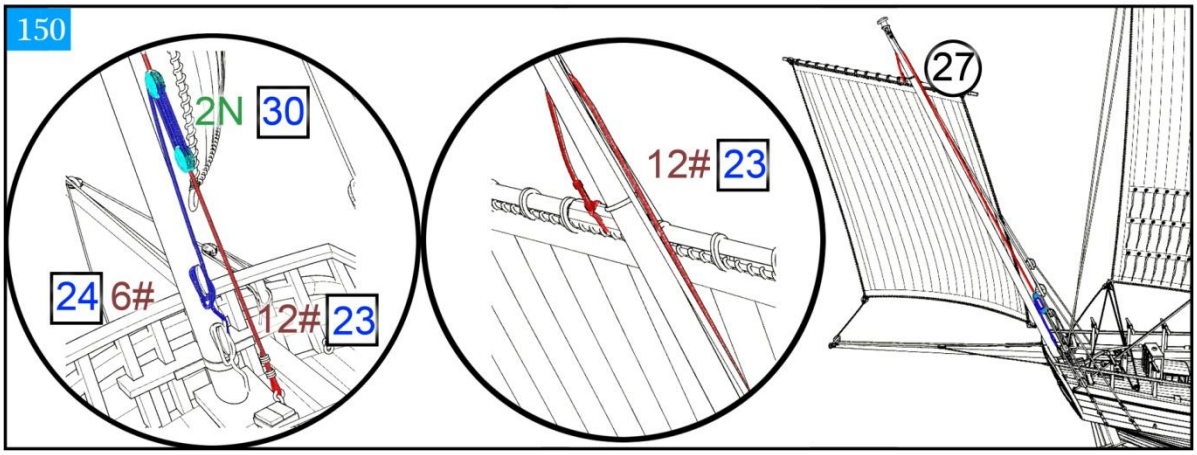

145
F5
W11
3# 25
1YF-4
6#
24

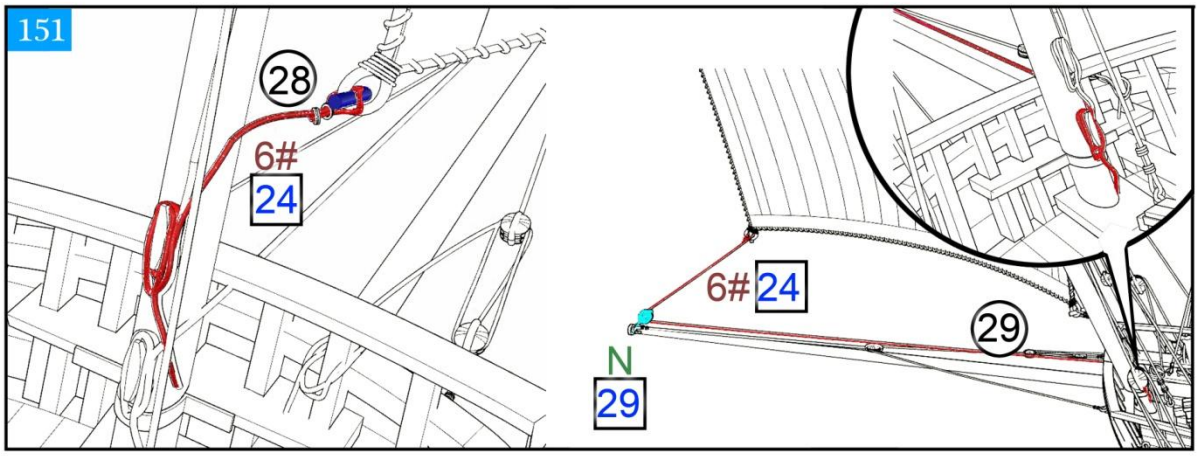

146
24
12# 23
30
2N
24
6#


147
25
6#
24
6#
24
25


148
26
34
M
3#
25
3#
25


149
F6
W12
25
3#
1YF-5
6#
24





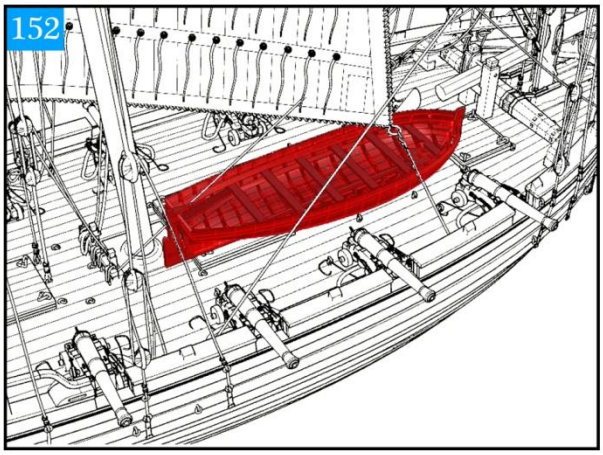


Figure 152. Installation of the boat on the cradles.

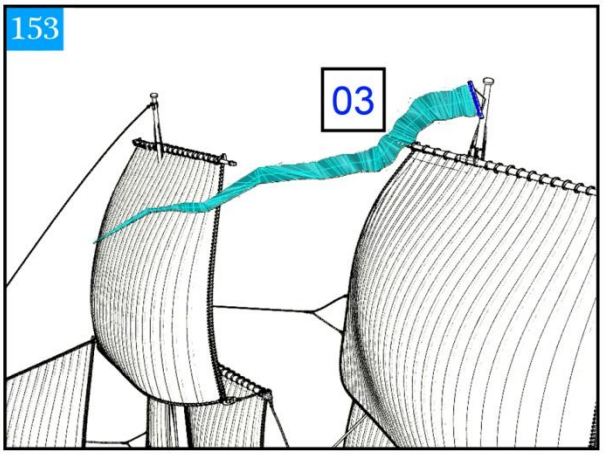
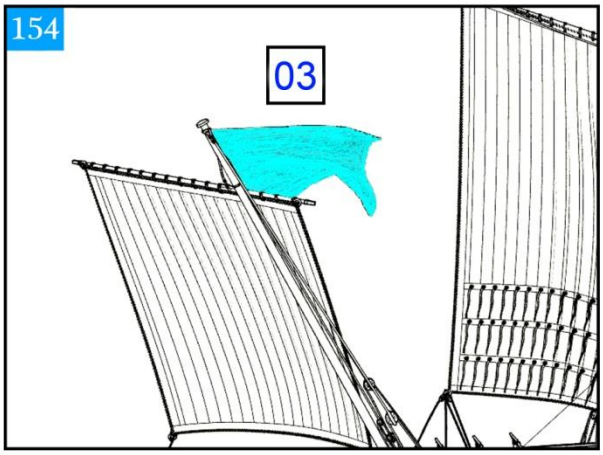


Figure 153–154. Installation of the pennant and ensign.



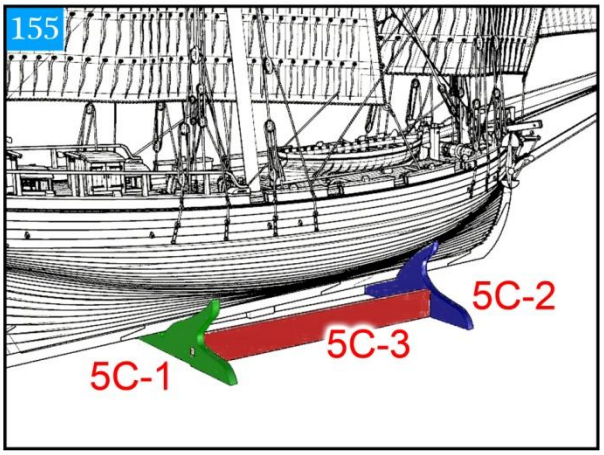
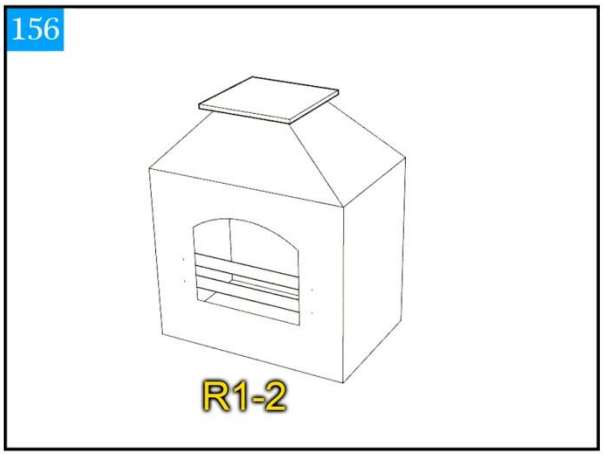


Figure 155. Construction of the display cradle.



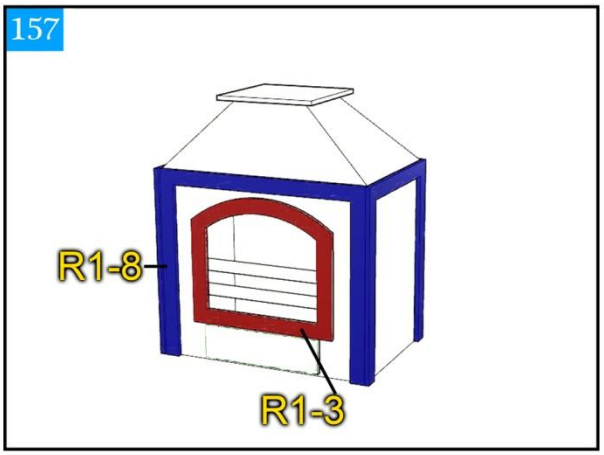
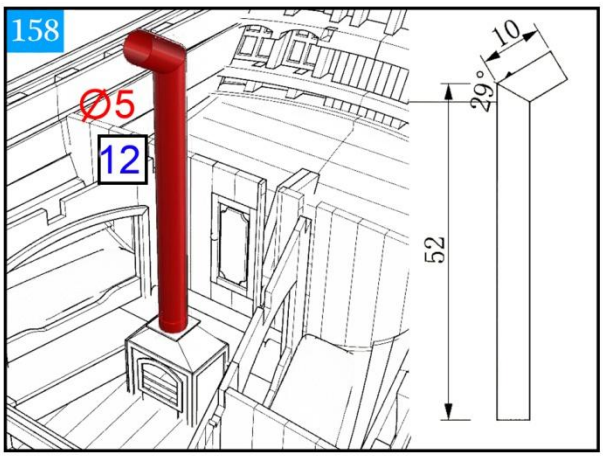
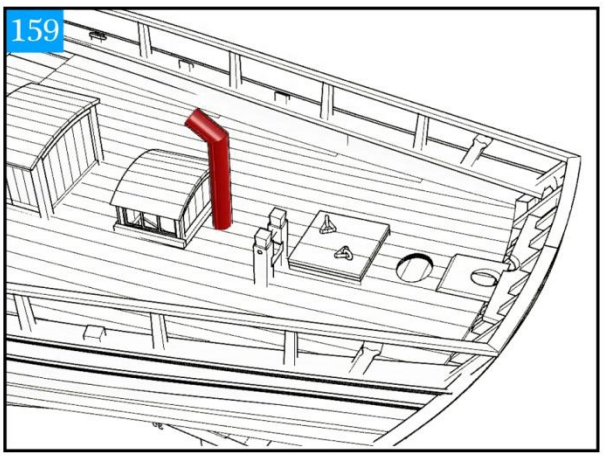
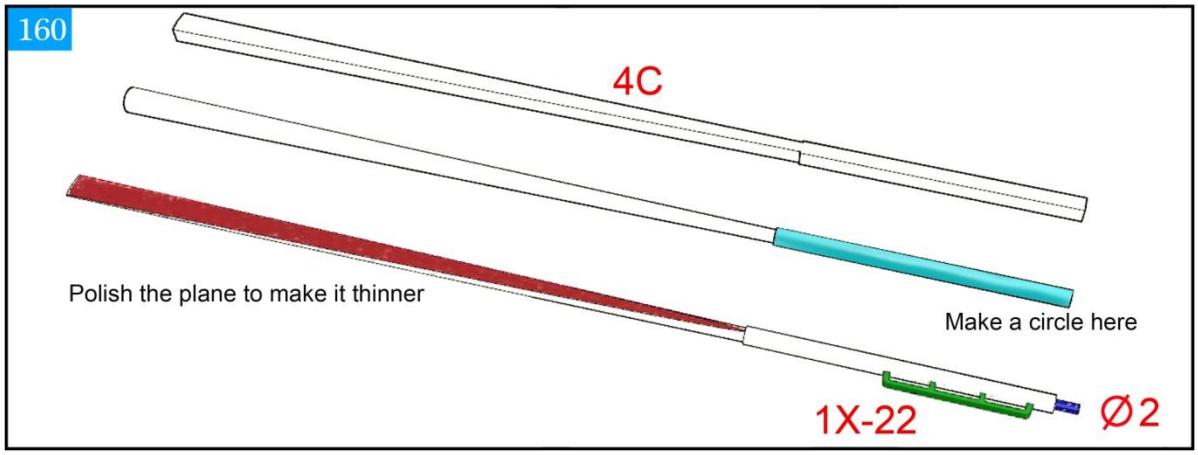


Figure 156–157. . Construction of the hearth.

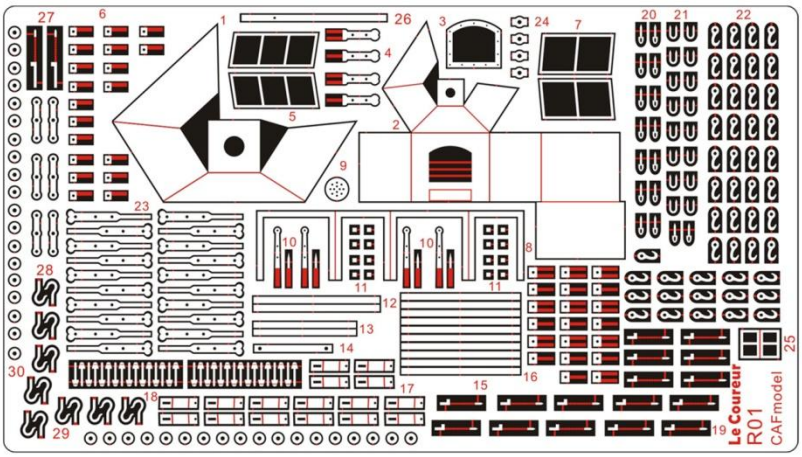


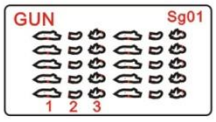


Figures 158–159. The chimney is made from 5mm copper tube as shown.



Product List

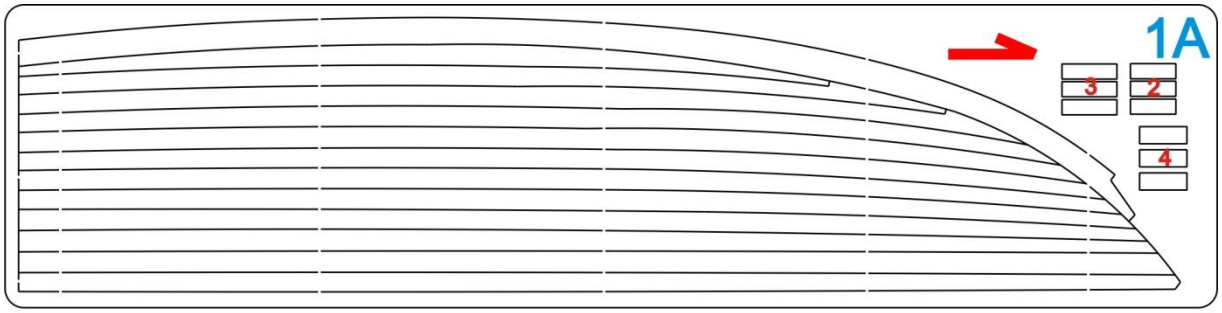


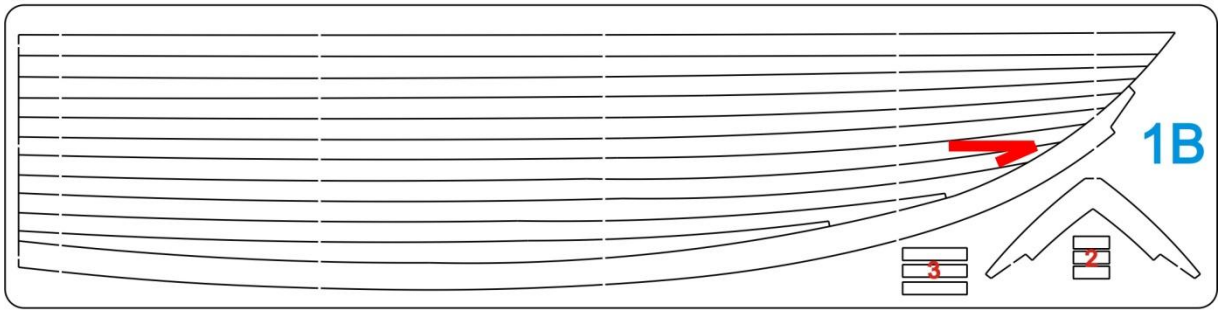


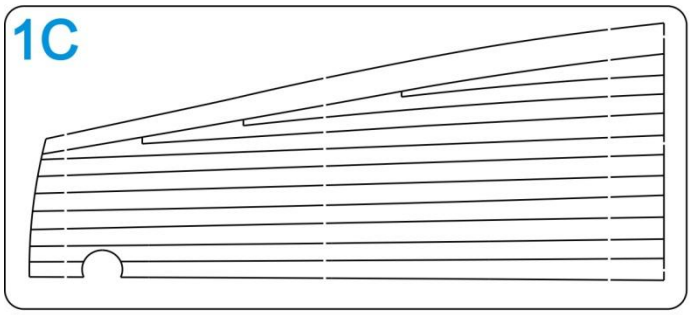
木条 Square timber		
1.5X1.5X400	5	Boxwood 黄杨木
1.5X5X400	2	Maple 枫木
1.5X1.5X400	5	Cherry wood 樱桃木
1.5X5X400	35	Cherry wood 樱桃木
2X2X400	5	Cherry wood 樱桃木
2X4X400	2	Cherry wood 樱桃木
2X5X400	5	Cherry wood 樱桃木
2.5X2.5X400	10	Cherry wood 樱桃木
3X3X400	5	Cherry wood 樱桃木
4X4X400	2	Cherry wood 樱桃木
5X5X400	2	Cherry wood 樱桃木

圆棒 Round log	
D10X480	2
D8X480	1
D6X350	1
D5X480	3
D4X300	1
D3X300	3
D2X100	1
铜管 Brass tube	
D10X100	1

胶片	film
帆布	canvas
图纸	Plans
说明书	instructions
Ø0.8铜丝	Copper wire
Ø0.6铜丝	Copper wire







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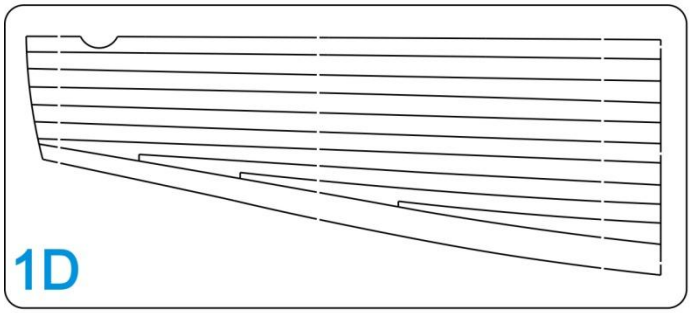

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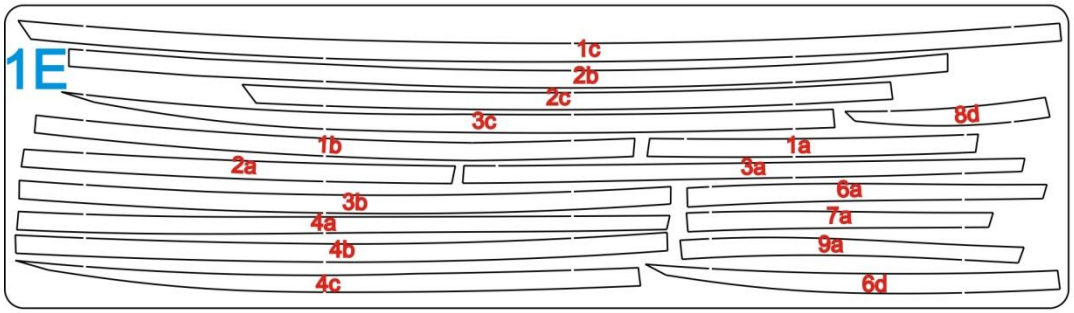

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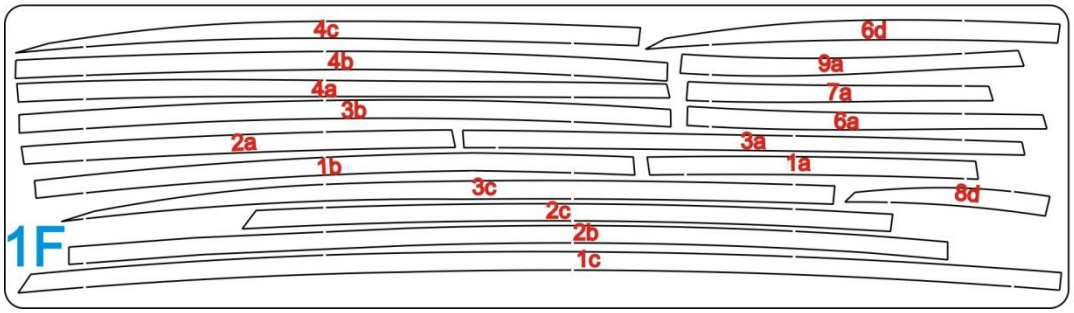

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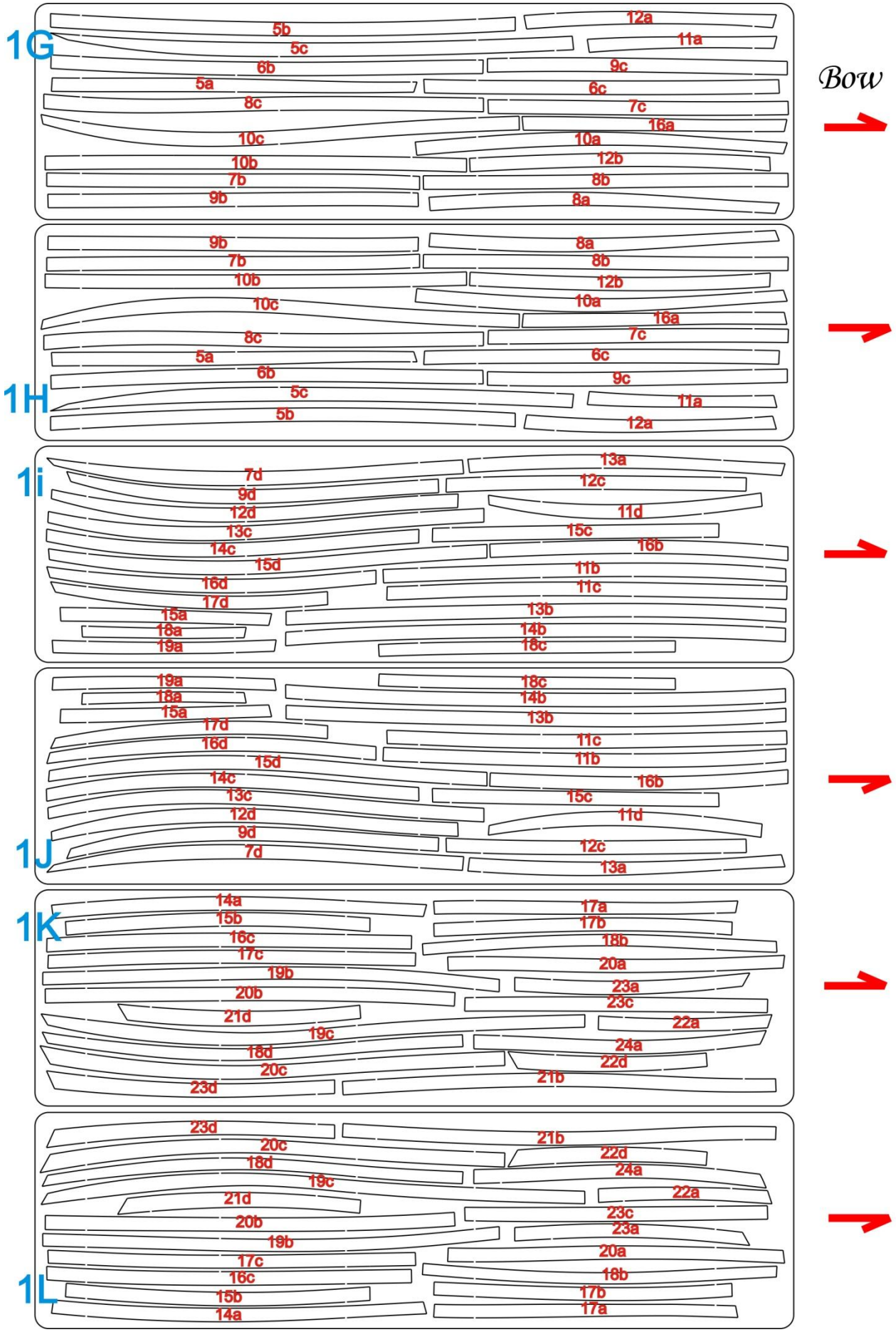
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9c
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10a
12b
8b
8a
Bow
1H
9b
7b
10b
10c
8c
5a
6b
5c
5b
8a
8b
12b
10a
16a
7c
6c
9c
11a
12a
1i
7d
9d
12d
13c
14c
15d
16d
17d
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18a
19a
13a
12c
11d
15c
16b
11b
11c
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14b
18c
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17d
16d
15d
14c
13c
12d
9d
7d
18c
14b
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11c
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16b
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11d
12c
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15b
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17c
19b
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21d
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18d
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23d
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17b
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22a
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22d
21b
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23d
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18d
19c
21d
20b
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23c
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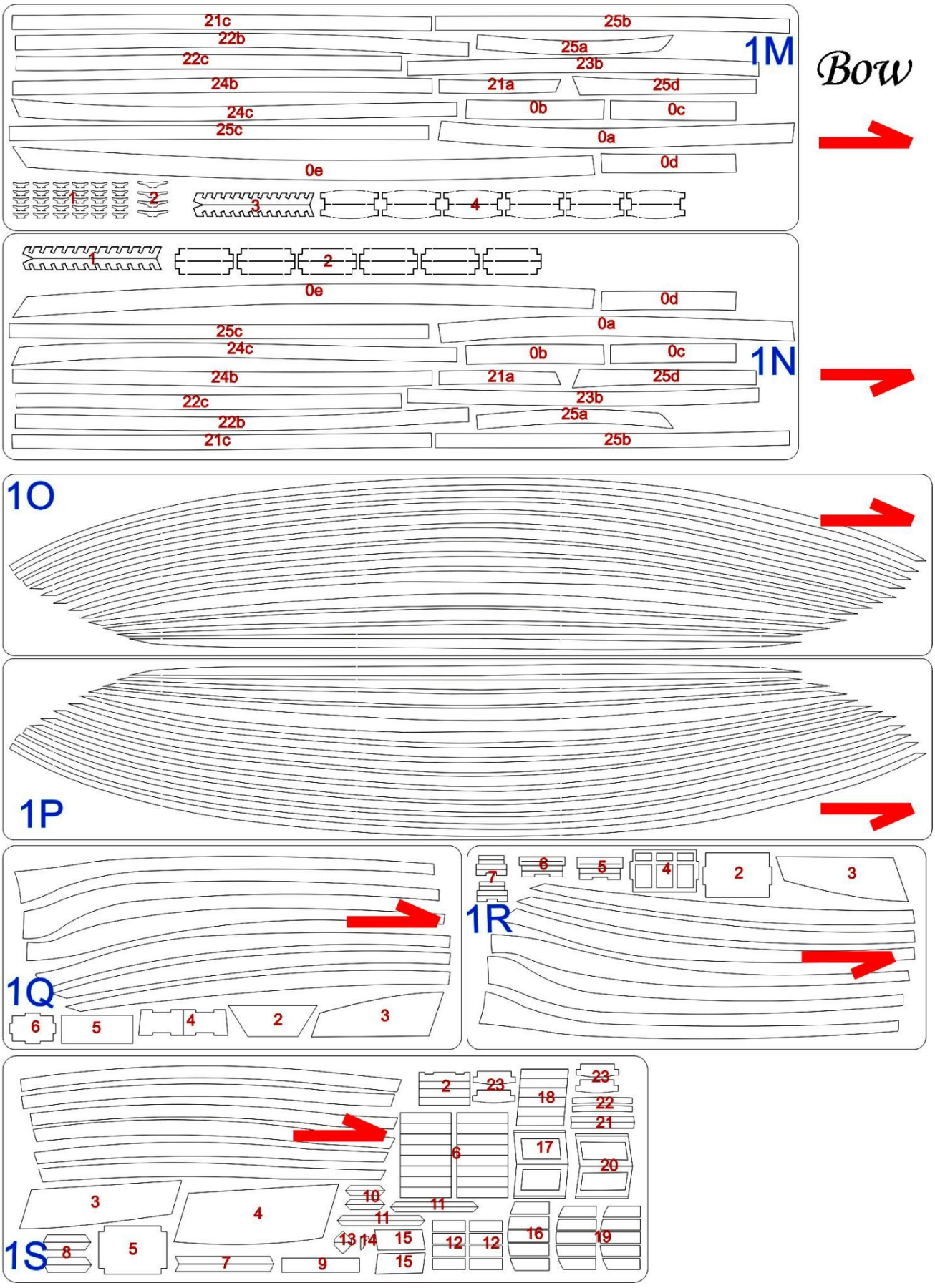
17b
17a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Bow
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25a
23b
21a
25d
0b
0c
0a
0d
1
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3
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1N
1O
1P
1Q
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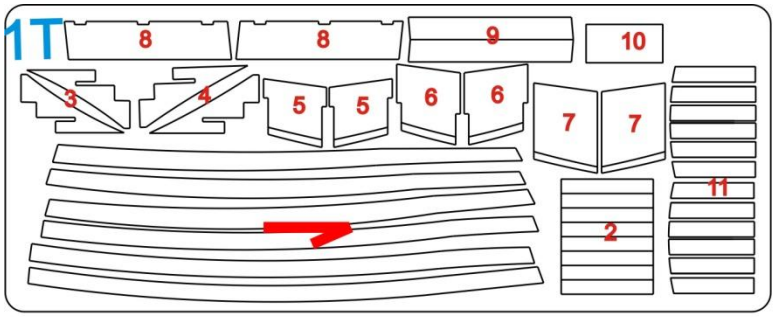
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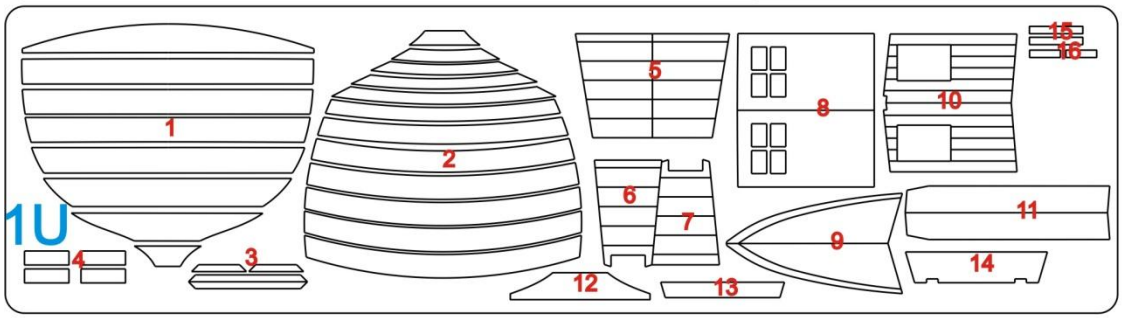
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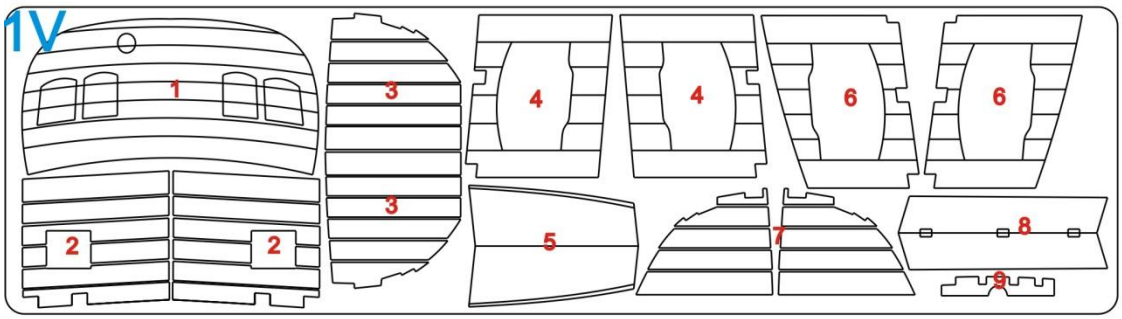
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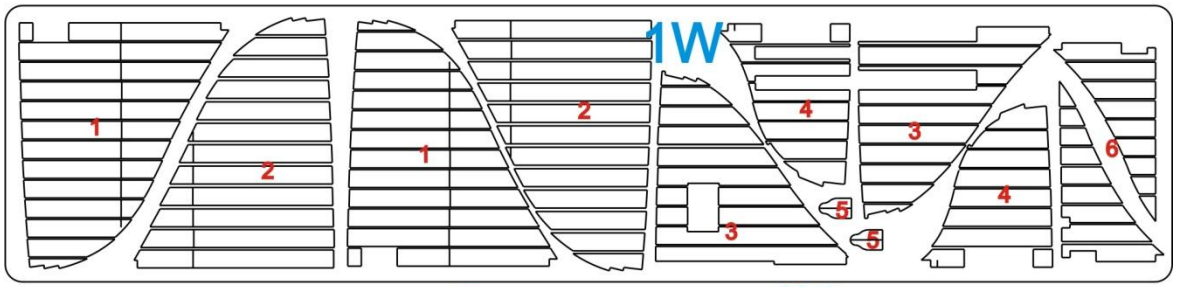
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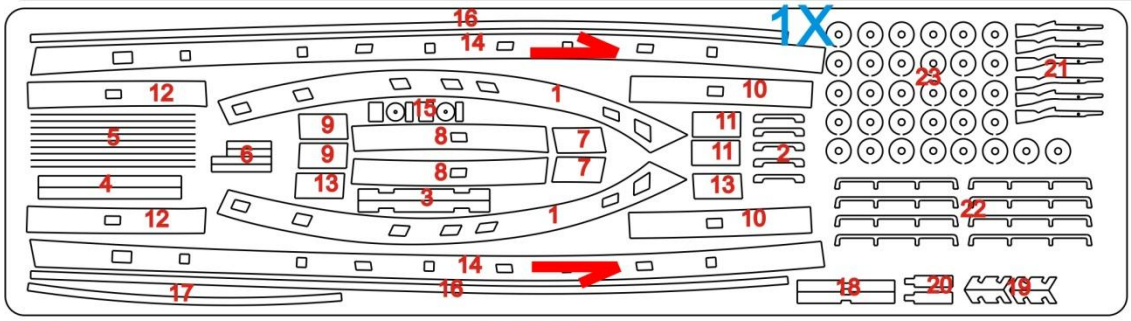
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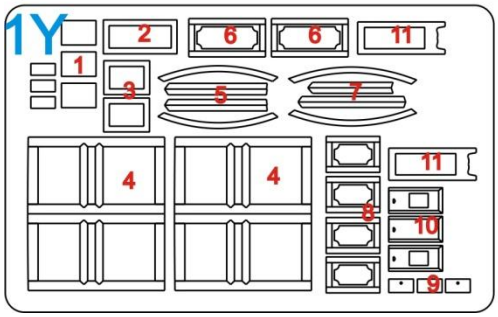
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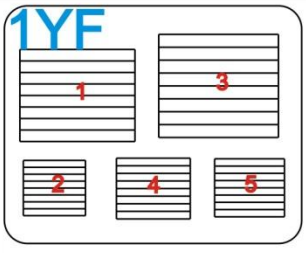
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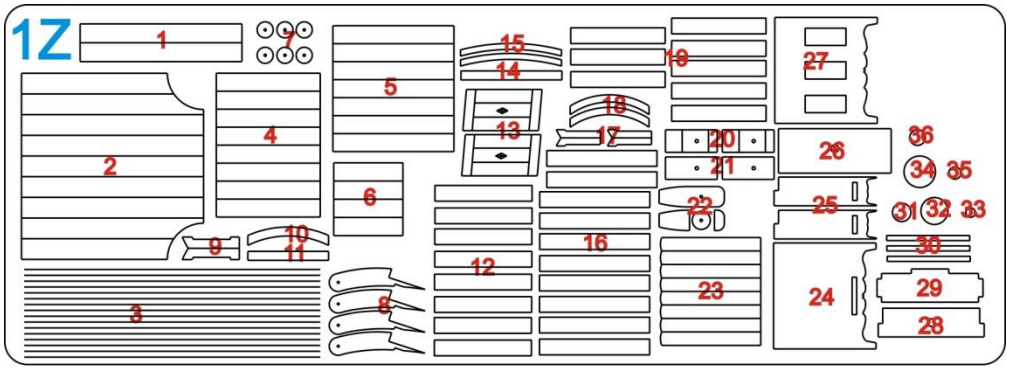
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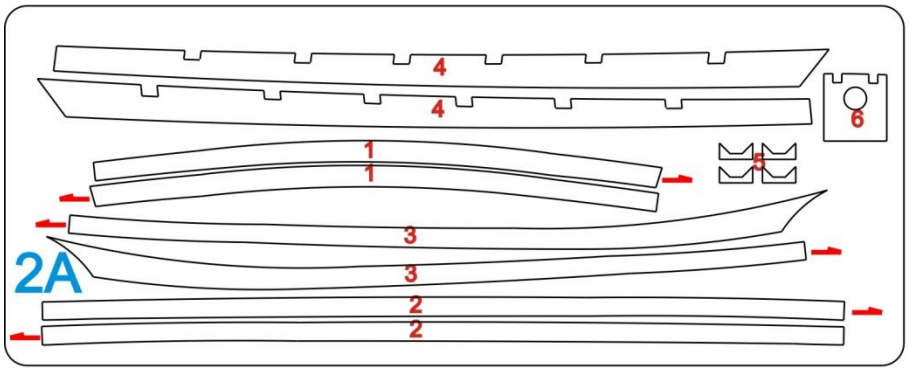
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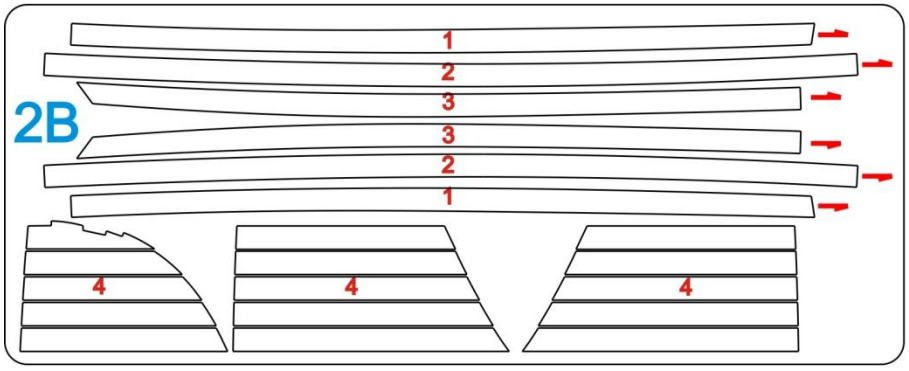
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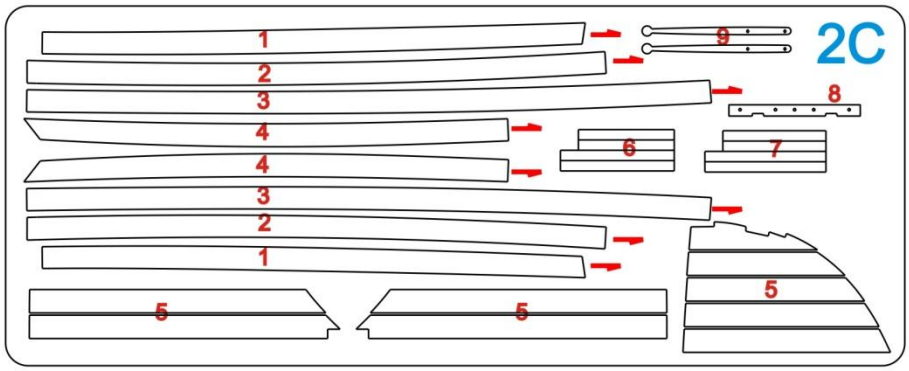
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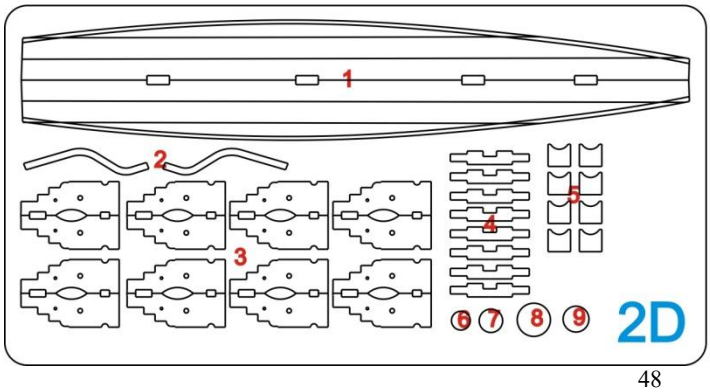
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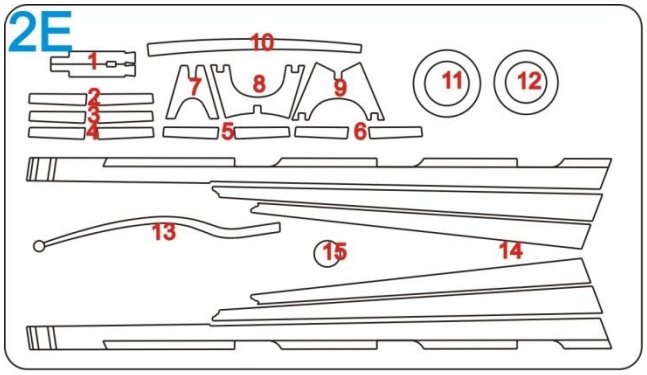
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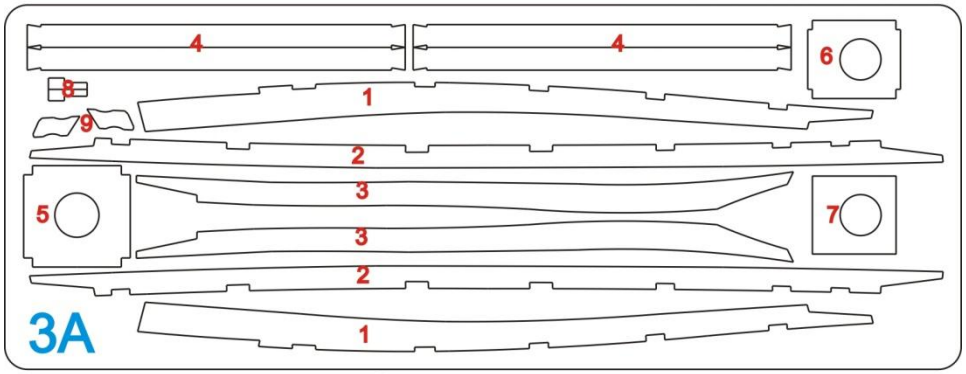
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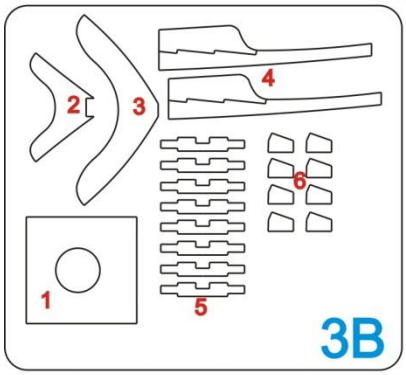
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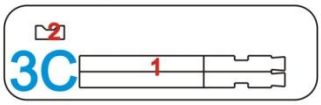
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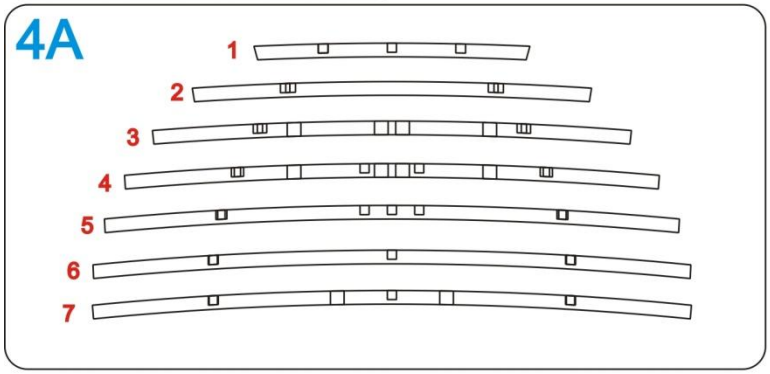
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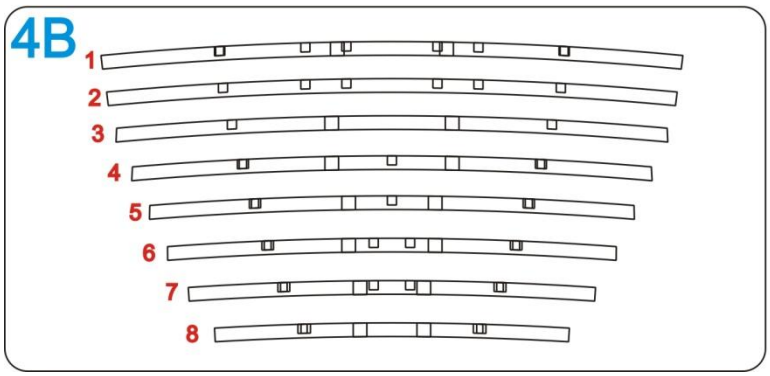
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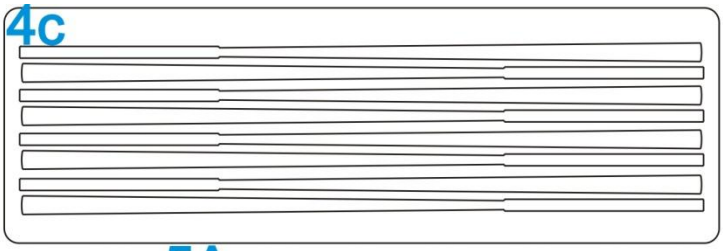
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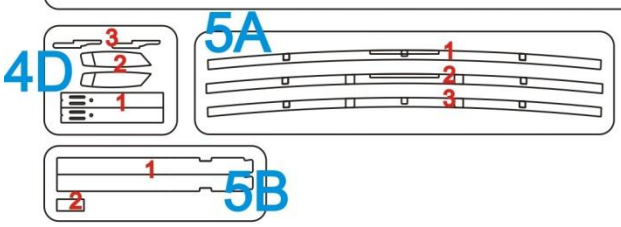
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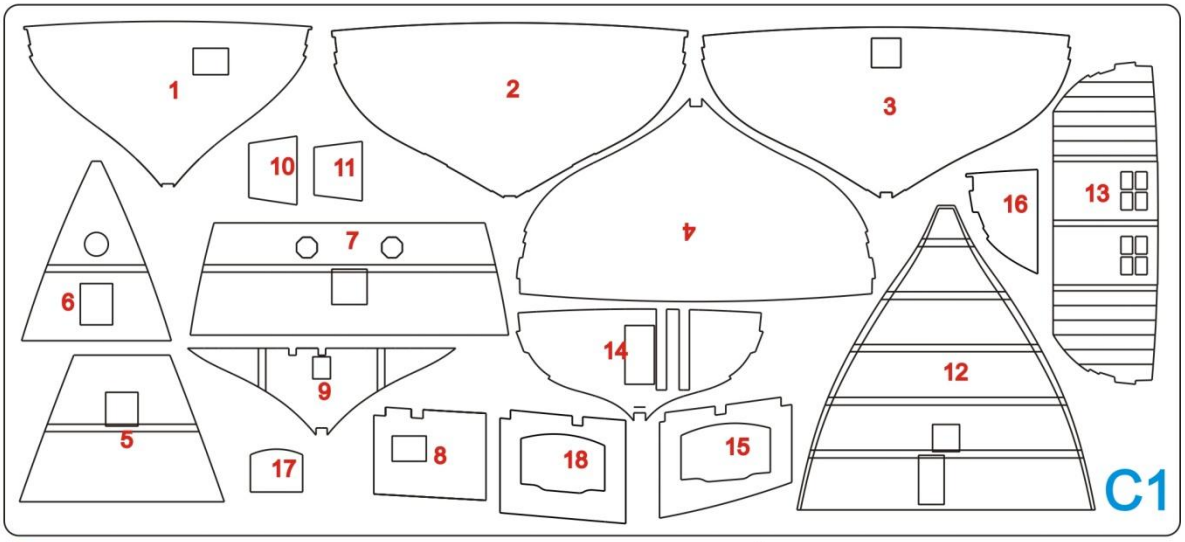
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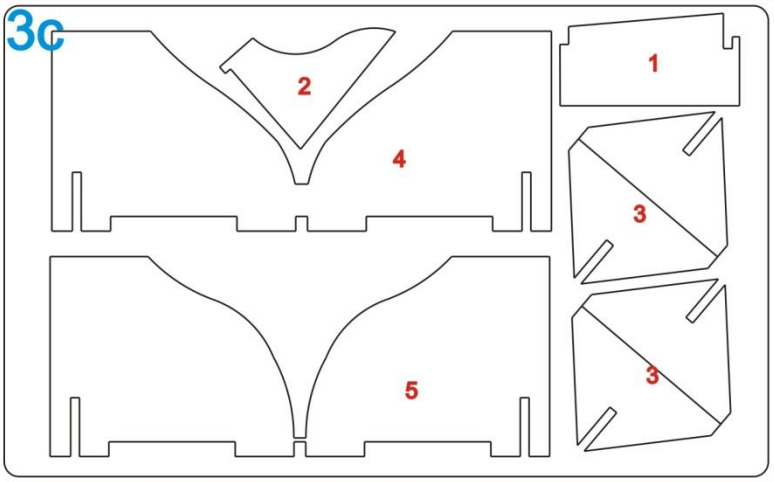
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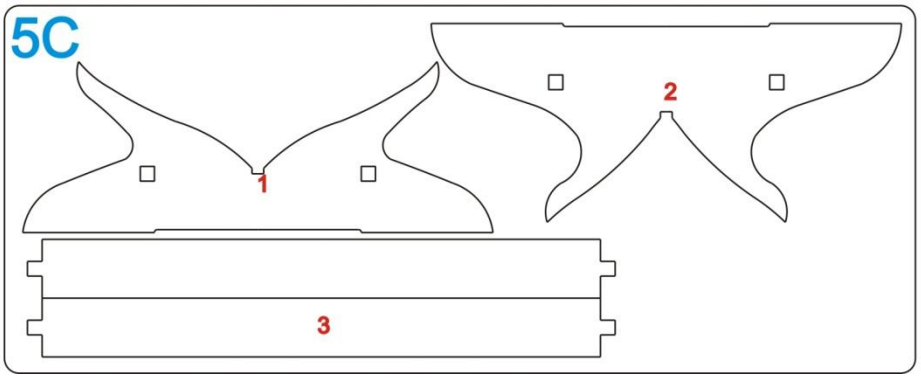
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