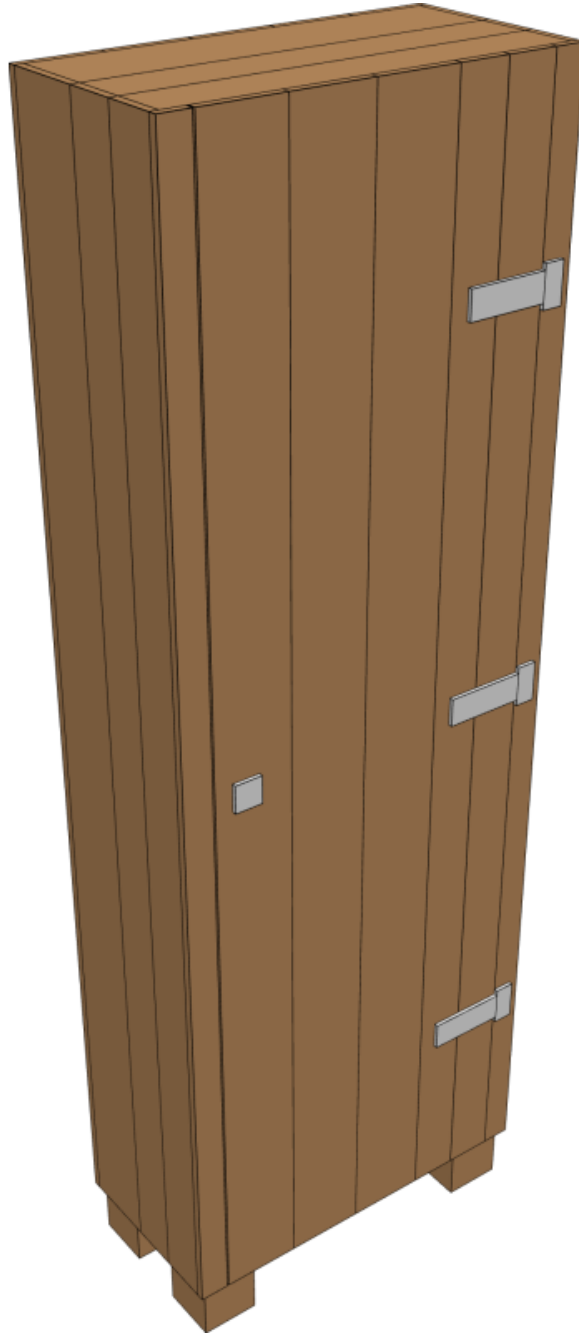


Your new cabinet is here!

Design from www.website.net

August 16, 2022



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1 Introduction

Thank you for your confidence in this manual. This document describes step-by-step how to assemble the cabinet you specified. This chapter briefly explains the different parts of the assembly process. The shopping list is discussed in chapter two. The third chapter focuses on assembling your new closet. All measurements described in this manual are in centimeters unless otherwise indicated.

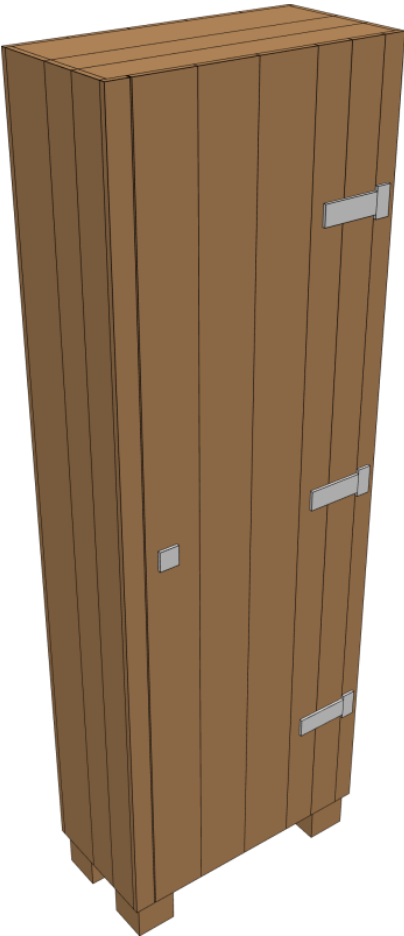
Despite the fact that a lot of attention has been paid to this model, it is always possible that there are errors. We therefore recommend that you carefully read the document for errors or inconsistencies before purchasing parts. If you come across errors, could you let us know? We will then correct the error and you will receive your money back for both this manual and the modified assembly manual. We are not responsible for any damages (both physical and financial) resulting from following this manual.

The cabinet designed by us has the following exterior dimensions and floors:

Table 1: Basic dimensions closet

width	height	depth
100	300	50

We wish you lots of fun with this assembly and your new cabinet!



2 Shopping list

To assemble the cabinet you will need the following materials and tools.

2.1 Materials

First of all, the planks and beams. You can use both planed and unplaned wood for this. Unplaned wood is cheaper, but note that the dimensions of these planks and beams can differ. It may therefore be necessary to remove extra wood during construction due to the deviating dimensions.

Table 2: Required planks and beams for construction

type	width	thickness	length	ammount
plank	20	2	300	23
beam	3	3	300	6

The following properties have been drawn up for the legs. You are free to choose any leg shape here as long as the number and height of the chosen legs correspond to the table below.

Table 3: Propperties of closet legs

number of legs	height
8	15,0

The table of the required screws is shown below. We recommend that you use wood screws with an M4 diameter. [These M4 wood screws](#) (figure 1) are a good option. Please note that the length of the screw may be different for your cabinet. Select a screw that has a length close to the 'max length'. Do not take longer screws, they will go through the wood which does not give a nice finish.

Table 4: Required screws for construction

	max length	ammount
Screw 1	5	94
Screw 2	3	80
Screw 3	4	60



Figure 1: Connex M4 Screws from Amazon

Finally, additional metal parts are needed for the construction. For the corner frames it is recommended to select one with 4 holes and a maximum width of 3 centimeters. These ensure a strong connection. [These corner connections](#) (figure 2) are a good option. For the hinges and locks you are of course completely free to choose which one best suits your personal taste.

Table 5: Additional required parts for construction

	frame holes	ammount
Corner connection	4	24
Hinge	max 10	3
Lock	max 4	1



Figure 2: Connex corner connections from Amazon

2.2 Tools

The tools below are required to build this cabinet.

- Pencil
- Sawtable
- Screwmachine
- Measuring tape

In addition, the following items are optional. If you are using wood that has not been planed, the parts below are particularly recommended as unplaned planks can have significant variations in thickness, width and straightness.

- Jigsaw
- Scrape
- Tri square

Tip: Don't have tools at hand? Then try searching for it via [Peerby!](#)

3 Cutting list

3.1 Planks and beams length

The table below shows how the beams and planks to length are cut. The minimum required number of planks and beams has been calculated, if you do not follow this saw list you may run out of wood.

Table 6: Sawlist length per plank, Totalling to 23 planks

	1	2	3	ammount
1	85,0	0,0	0,0	1
2	96,0	85,0	85,0	1
3	96,0	96,0	96,0	3
4	285,0	0,0	0,0	18

Table 7: Sawlist length per beam, Totalling to 6 beams

	1	2	3	4	5	ammount
1	40,0	40,0	40,0	40,0	40,0	1
2	90,0	90,0	40,0	40,0	40,0	1
3	281,0	0,0	0,0	0,0	0,0	4

3.2 Planks and beams width

Now that the planks and beams have been sawn, some of the planks also need to be adjusted in width and length. Select the planks from the list and cut them to the required width.

Tip: write the measurements on the planks and beams with a pencil for quick reference later!

Table 8: Partlist beams and planks

type	width	thickness	length	ammount
beam	3,0	3,0	40,0	8
beam	3,0	3,0	90,0	2
beam	3,0	3,0	281,0	4
plank	7,5	2,0	285,0	2
plank	12,2	2,0	285,0	2
plank	13,0	2,0	96,0	4
plank	13,0	2,0	285,0	4
plank	20,0	2,0	85,0	3
plank	20,0	2,0	96,0	6
plank	20,0	2,0	285,0	10

4 Assembly

4.1 Step 1 - Bottom and feet

First of all, you construct the base of the cabinet. The table below shows the materials required for this step. In this table, the first row is the cabinet legs and the next are the shelves for the bottom.

Table 9: Step 1 Assembly legs and bottom

length	width	thickness	ammount
15,0	15,0	15,0	4
96,0	13,0	2,0	2
96,0	20,0	2,0	1

The image below shows how the legs are attached to the shelves. The order of laying the boards is irrelevant. To fix the legs in the planks, use **two screws** per foot. For this you step use **screw 1** as indicated in table 4 of chapter 2.

Sizes shown are from the left side of the cabinet to the beginning of the leg. Legs are placed at the ends of the cabinet in width. The image below is depicted extra large in the appendix.

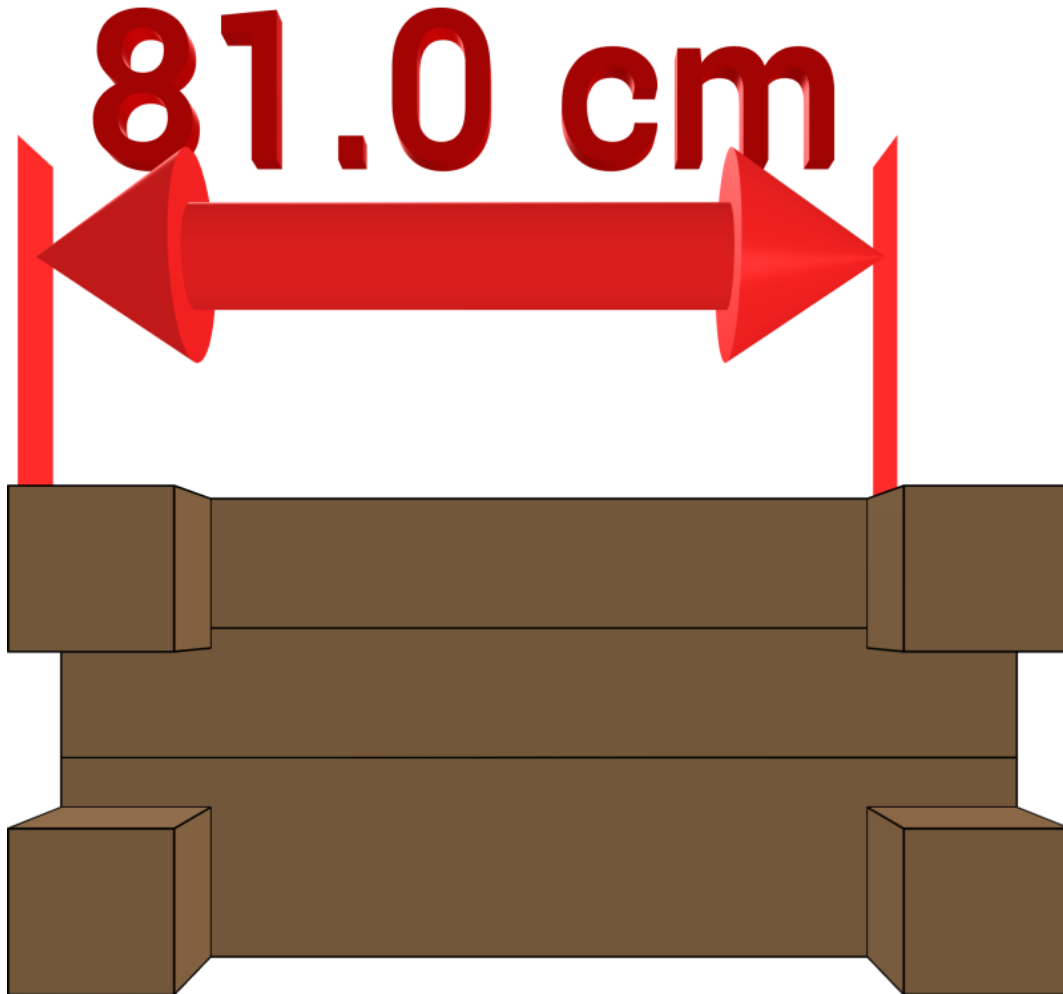


Figure 3: Bottom view cabinet

4.2 Step 2 - Bottom and ribs

Now screw the ribs onto the cabinet. The table below shows the materials required for this step.

Table 10: Step 2 Assembly step 1 and bottom rib

length	width	thickness	ammount
40,0	3,0	3,0	2

The image below shows how the ribs are attached to the planks. To fasten the ribs in the planks, use **one screw per plank per rib**. For this you use **screw 1** as indicated in table 4 of chapter 2. This screw first goes through the plank and then ends in the beam.

Sizes shown are from the left side of the cabinet to the start of the ribs. The vertical distance shown ensures that the ribs are placed in the middle of the planks. The image below is depicted extra large in the appendix.

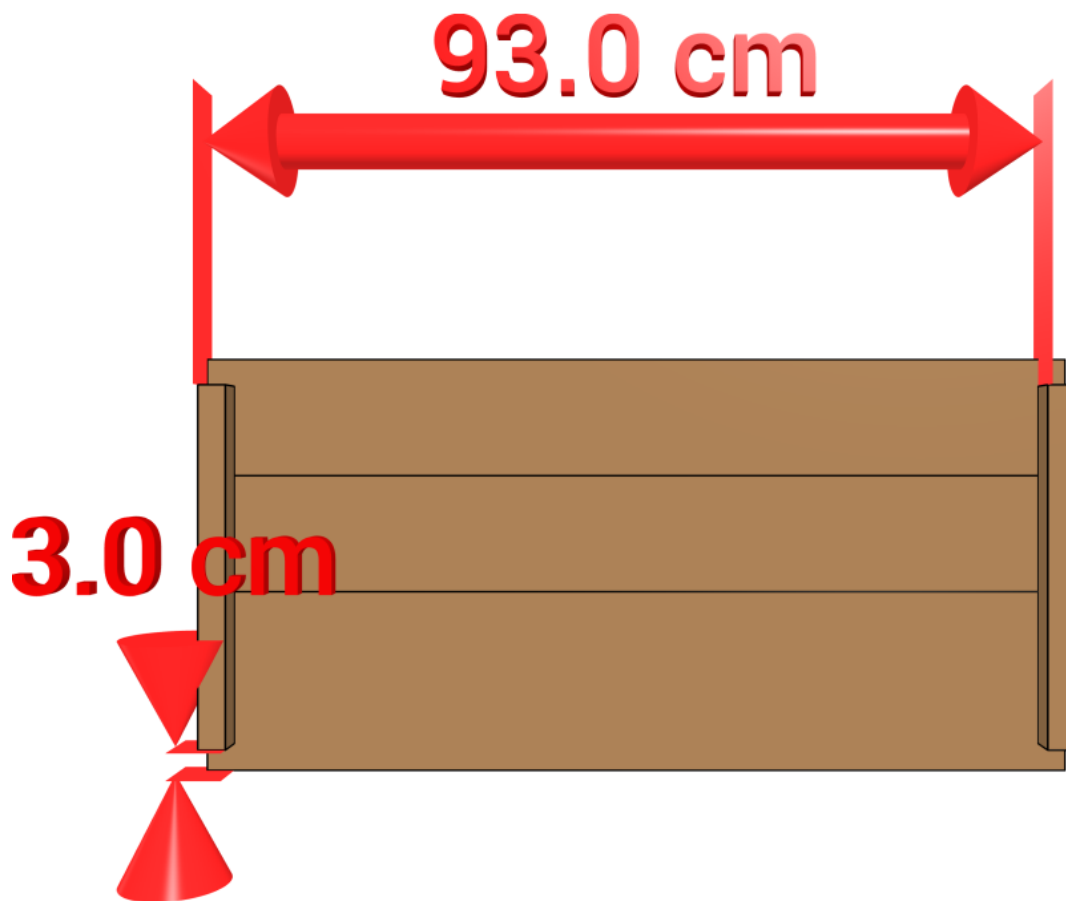


Figure 4: Ribs on cabinet

4.3 Step 3 - Ladder frame

Then you construct the ladder frame. The table below shows the materials required for this step. With this list you make all ladder frames for your closet, make an equal distribution of the beams for each ladder frame in your closet.

Table 11: Step 3 Ladder frame			
length	width	thickness	ammount
40,0	3,0	3,0	6
90,0	3,0	3,0	2
281,0	3,0	3,0	4

The figure below shows how the vertical ribs are attached to the horizontal beams. To fix the ribs in the beams, use a corner connection per corner with **four screws** per connection and place it at the location of the green arrow. For this you use **screw 2** as indicated in table 4 of chapter 2.

Sizes shown are placed from the top of the frame to the start of the rib. The image below is depicted extra large in the appendix.



Figure 5: Ladder frame

4.4 Step 4 - Ladder frame on bottom

Then connect the ladder to the cabinet base.

The image below shows how the ladder is attached to the frame. To fasten the ladder to the ribs, use a corner connection per corner with **four screws** per connection and place it at the location of the green arrow. For this you use **screw 2** as indicated in table 4 of chapter 2. The image below is depicted extra large in the appendix.

Note that in this step the construction can be unstable, so make sure the ladders don't fall over! By using good corner joints you ensure that the construction remains stable in this step.



Figure 6: Ladder frame on bottom

4.5 Step 5 - Backside ribs

Then you construct the rear rib system of the cabinet. The table below shows the materials required for this step.

Table 12: Step 5 Assembly step 2, step 3 and back rib

length	width	thickness	ammount
90,0	3,0	3,0	2

The image below shows how the ribs are connected to the rear ribs. To fasten the ribs to the back rib, use a corner connection per corner with **four screws** per connection and place it at the location of the green arrow. For this you use **screw 2** as indicated in table 4 of chapter 2.

Measurements shown are from the top of the horizontal ribs in the ladder to the top of the back rib. The size of the distance is equal to the thickness of the plank in the recess. The images below are depicted extra large in the appendix.

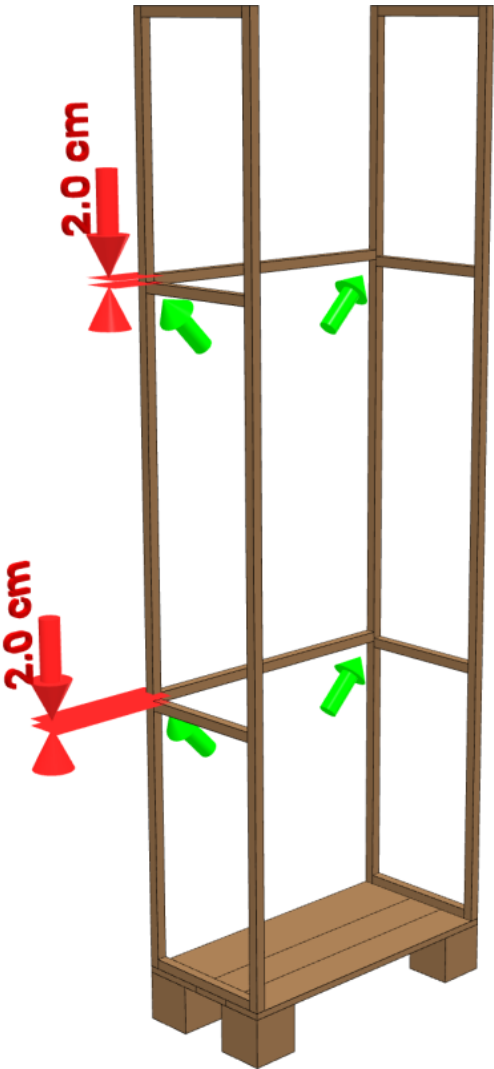


Figure 7: Backside rib global

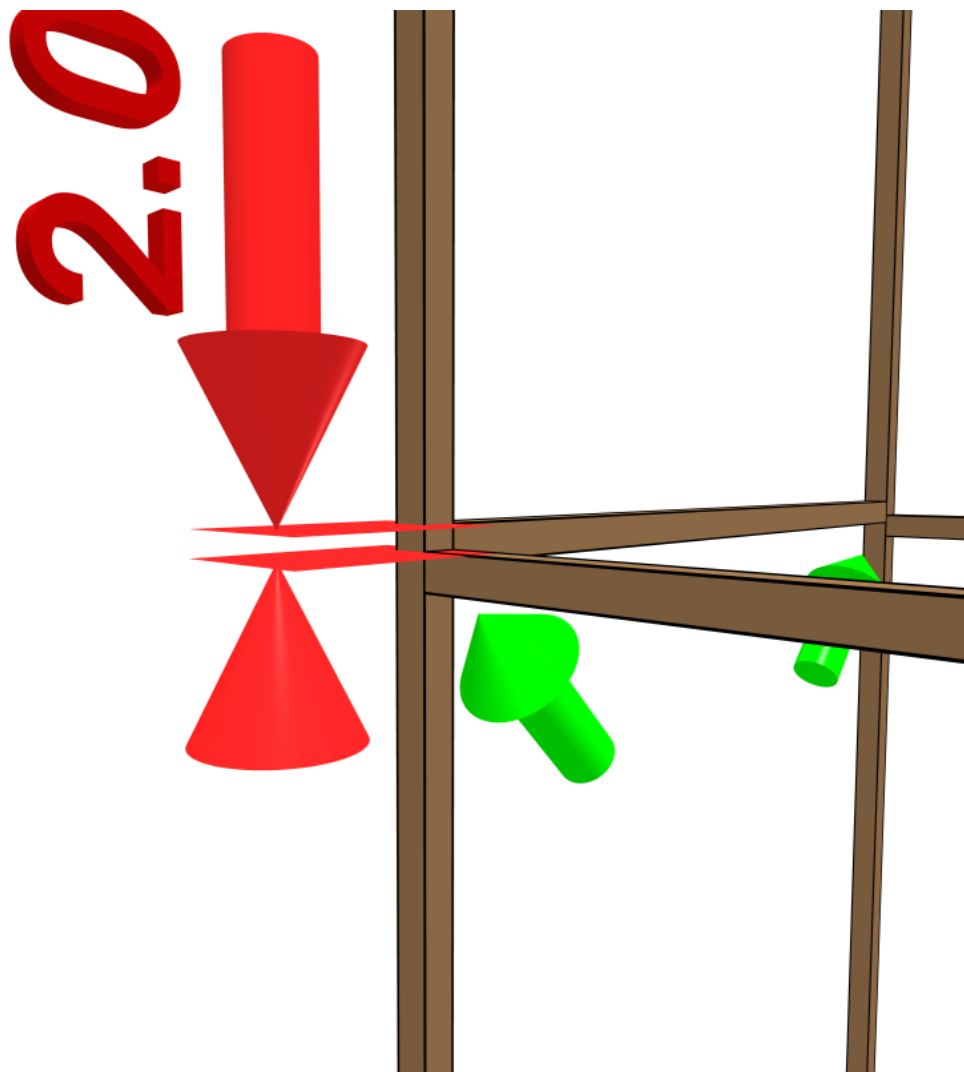


Figure 8: Backside rib local

4.6 Step 6 - Decking

Now it's time to place the decking of your closet. The table below shows the materials required for this step. With this list you make all the decking for your closet, make an equal distribution of the shelves for each floor in your closet.

Table 13: Step 6 Assembly step 5 and platforms

length	width	thickness	ammount
96,0	20,0	2,0	4

The image below shows how the planks are connected to the ribs of the ladder. The order of laying the boards is irrelevant. To fix the planks to the ribs, screw each plank **with one screw** for each location where it comes into contact with a rib of the ladder. For this you use **screw 1** as indicated in table 4 of chapter 2. This screw first goes through the plank and then ends in the beam.

Measurements shown are from the top of the horizontal ribs in the ladder to the top of the back rib. The images below are depicted extra large in the appendix.

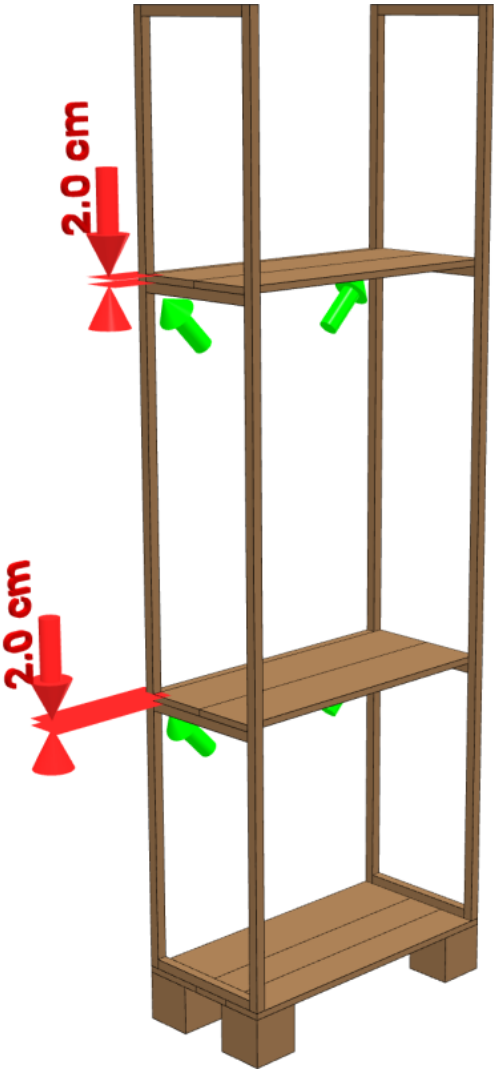


Figure 9: Decking global

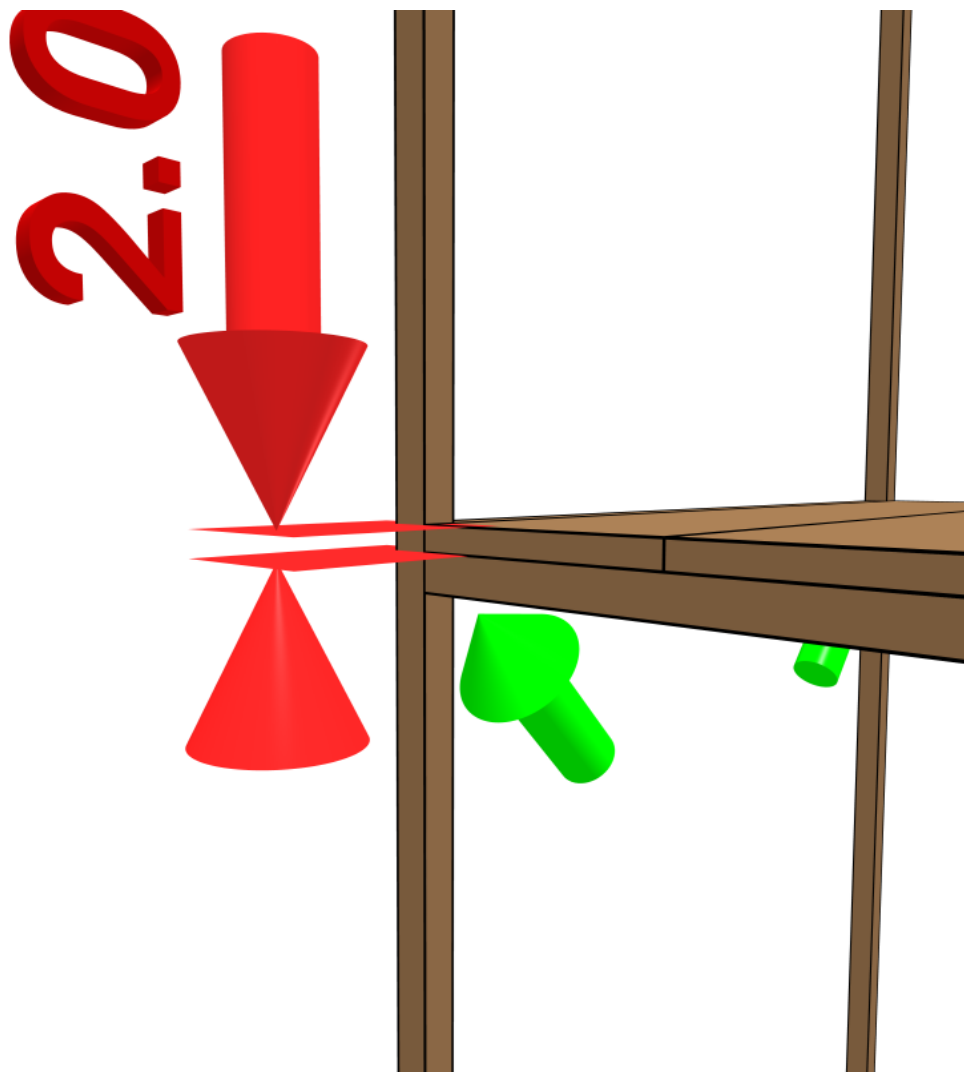


Figure 10: Decking local

4.7 Step 7 - Top cover

Now it's time to build the cabinet top cover. The table below shows the materials required for this step.

Table 14: Step 7 Assembly step 6 and upper side

length	width	thickness	ammount
96,0	13,0	2,0	2
96,0	20,0	2,0	1

The image below shows how the planks are connected to the ribs of the ladder. To fix the planks to the ribs, screw each plank **with one screw** for each location where it comes into contact with a rib of the ladder. For this you use **screw 1** as indicated in table 4 of chapter 2. This screw first goes through the plank and then ends in the beam.

The images below are depicted extra large in the appendix.

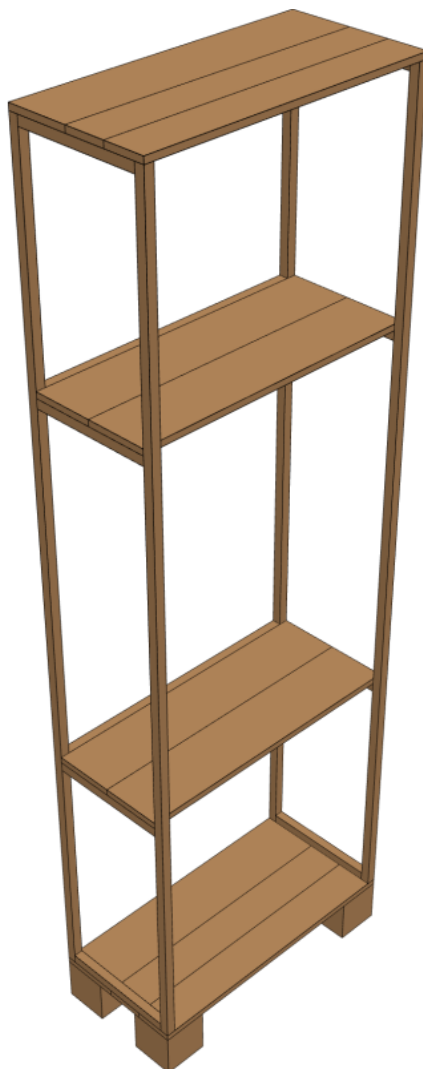


Figure 11: Topside cabinet

4.8 Step 8 - Sides

Then the sideboards of the cabinet are constructed. The table below shows the materials required for this step. With this list you make all the sides for your cabinet, make an equal distribution of the shelves for the left and right side.

Table 15: Step 8 Assembly step 8 and sides

length	width	thickness	ammount
285,0	13,0	2,0	4
285,0	20,0	2,0	2

The image below shows how the planks are connected to the horizontal bars of the ladder. The order of placing the shelves is irrelevant. To secure the planks to the beams, screw each plank **with one screw** for each location where it comes into contact with a horizontal rib of the ladder. For this you use **screw 1** as indicated in table 4 of chapter 2. This screw first goes through the plank and then ends in the beam. The distances shown indicate the height for inserting the screws at the level of the ribs. These are shown relative to the underside of the cabinet (bottom of the legs).

The images below are depicted extra large in the appendix.

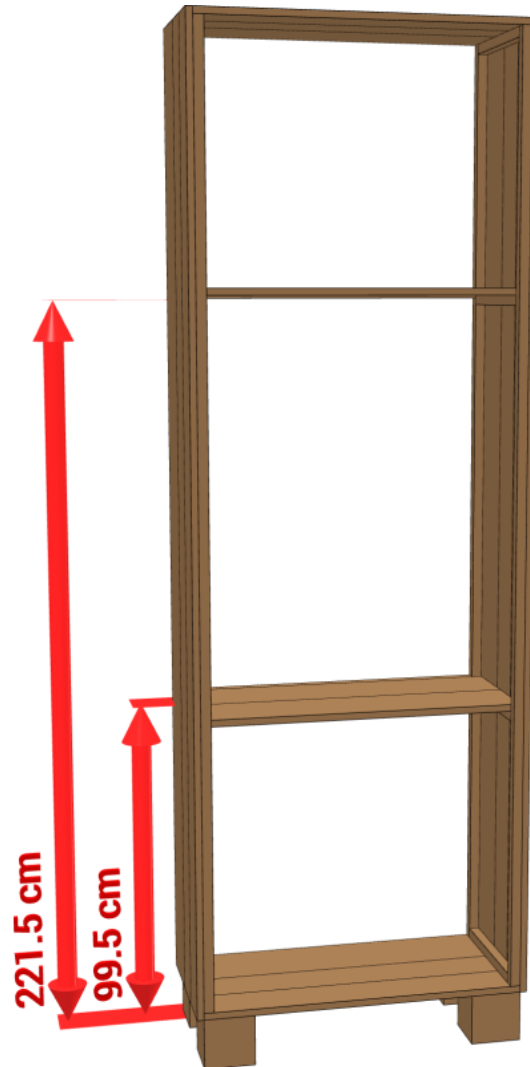


Figure 12: Sides cabinet

4.9 Step 9 - Backside

Then the back of the cabinet is constructed. The table below shows the materials required for this step.

Table 16: Step 9 Assembly step 8 and back side

length	width	thickness	ammount
285,0	20,0	2,0	5

The image below shows how the shelves are connected to the horizontal rear ribs of the cabinet. The order of placing the shelves is irrelevant. To secure the shelves to the beams, screw each shelf **with one screw** for each location where it comes into contact with a horizontal back rib of the cabinet. For this you use **screw 1** as indicated in table 4 of chapter 2. This screw first goes through the plank and then ends in the beam. The distances shown indicate the height for inserting the screws at the level of the rear ribs. These are shown relative to the underside of the cabinet (bottom of the legs).

The images below are depicted extra large in the appendix.

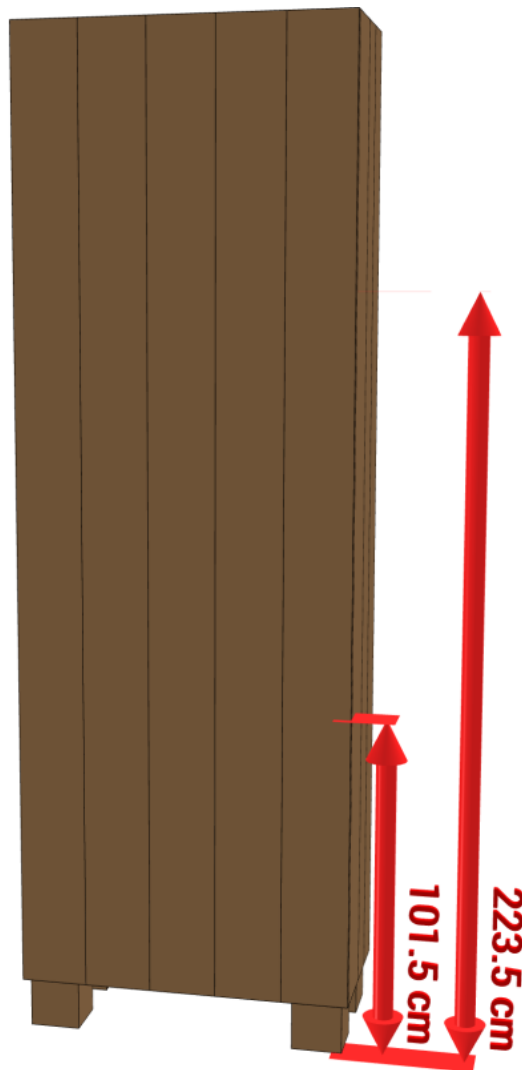


Figure 13: Backside cabinet

4.10 Step 10 - Door frame

Now the door frames of the cabinet are constructed. The table below shows the materials required for this step.

Table 17: Step 10 Assembly and door frame(s)

length	width	thickness	ammount
285,0	7,5	2,0	2

The image below shows how the shelves are connected at the front of the cabinet. To fix the planks to the beams, screw each plank with **one screw** for each location at the level of a horizontal rib of the ladder. For this you use **screw 1** as indicated in table 4 of chapter 2. This screw first goes through the plank and then ends in the beam. The distances shown indicate the distance from the outside of the cabinet to the start of the shelf.

The images below are depicted extra large in the appendix.

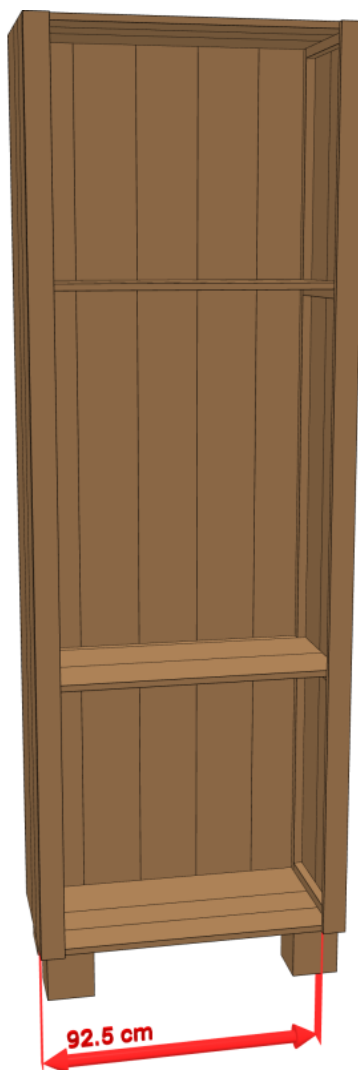


Figure 14: Door frame global

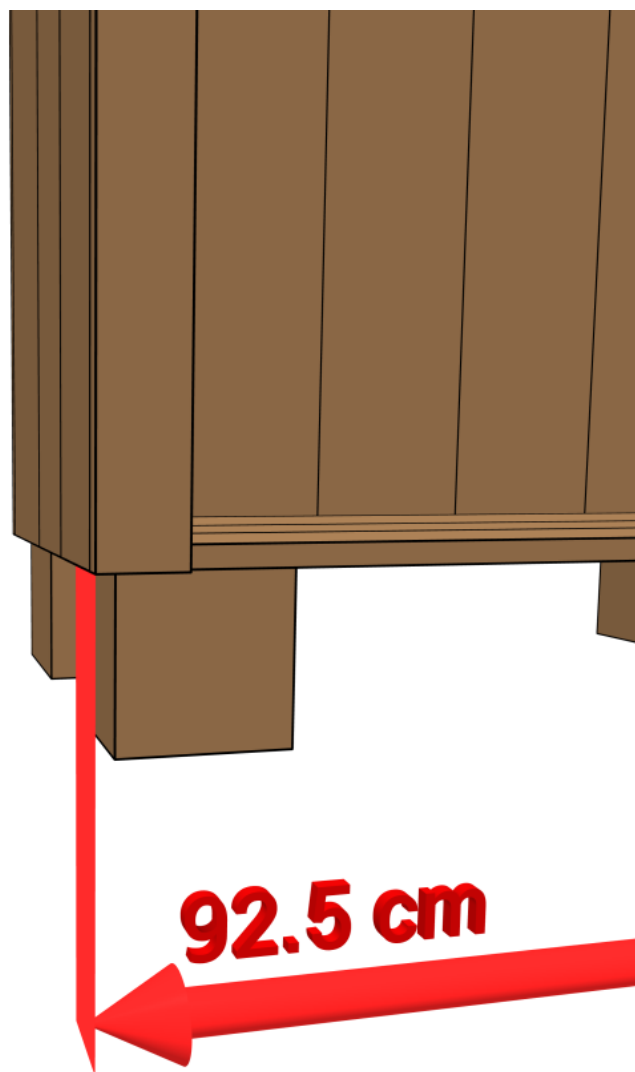


Figure 15: Door frame local

4.11 Step 11 - Doors

Then the doors of the cabinet are constructed. The table below shows the materials required for this step. With this list you create one door, repeat this step for the number of doors in your cabinet.

Table 18: Step 11 Door(s)			
length	width	thickness	ammount
85,0	20,0	2,0	3
285,0	12,2	2,0	2
285,0	20,0	2,0	3

The image below shows the height at which the **middle of both the horizontal shelves and the hinges** are attached to the other side. To fasten the planks, one screw per horizontal plank per vertical plank is used. For each hinge, 10 screws are taken into account. For this you use **screw 3** as indicated in table 4 of chapter 2.

The measurements are given relative to the bottom of the door. The image below is depicted extra large in the appendix.

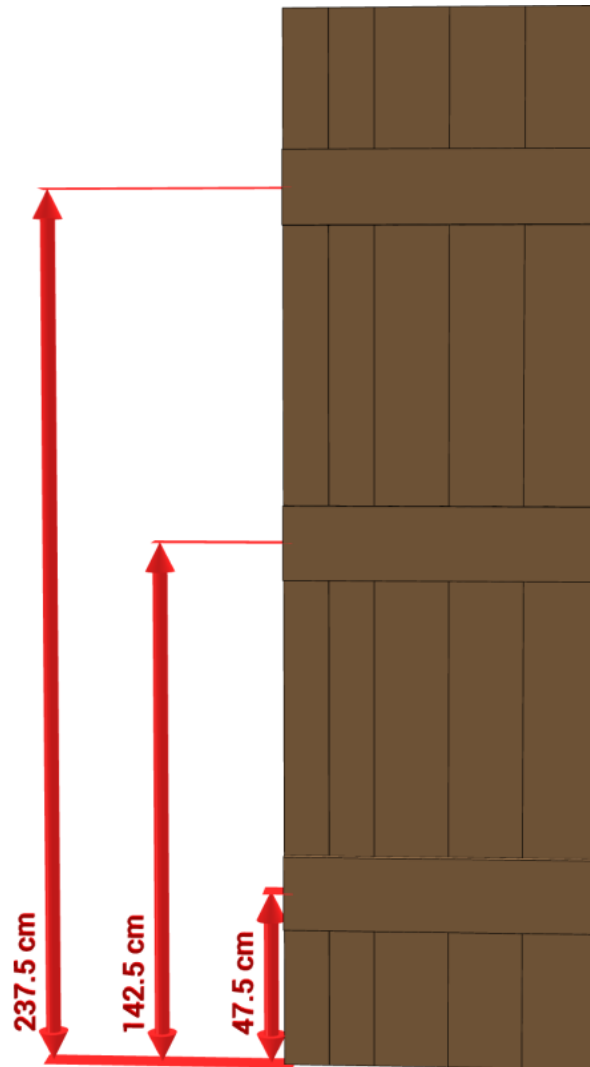


Figure 16: Door

4.12 Step 12 - Complete cabinet

Finally, the doors are attached to the cabinet. Here you can choose which side you want to place the hinges on. Once the doors are attached, the locks can be placed. The table below shows the materials required for this step.

Table 19: Step 12 Hinges			
length	width	thickness	ammount
5,0	10,0	1,0	3
20,0	7,0	1,0	3

The image below shows an example of how the doors can be attached to the cabinet. To connect the hinges and locks use **screw 3** as indicated in table 4 of chapter 2. This screw first goes through the plank and then ends in the beam.

The images below are depicted extra large in the appendix.

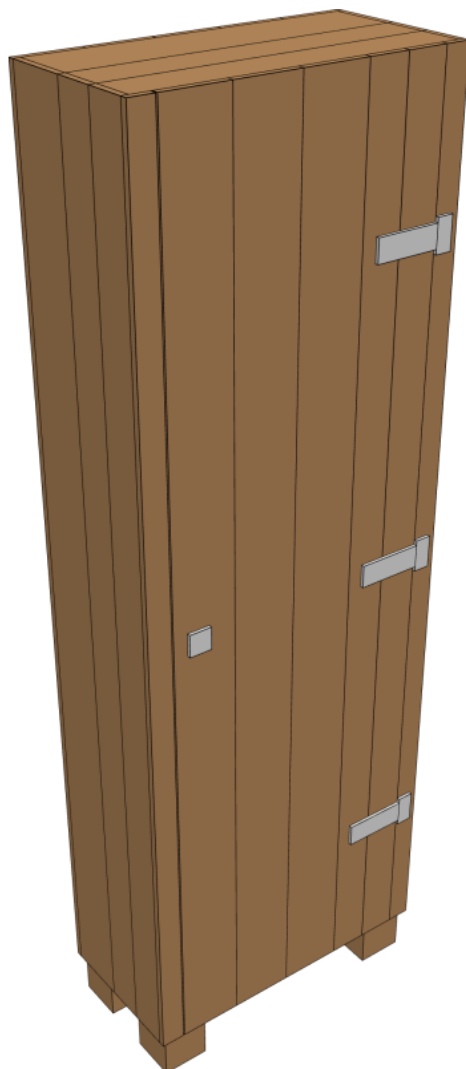


Figure 17: Your new cabinet is ready to use!

5 Appendix

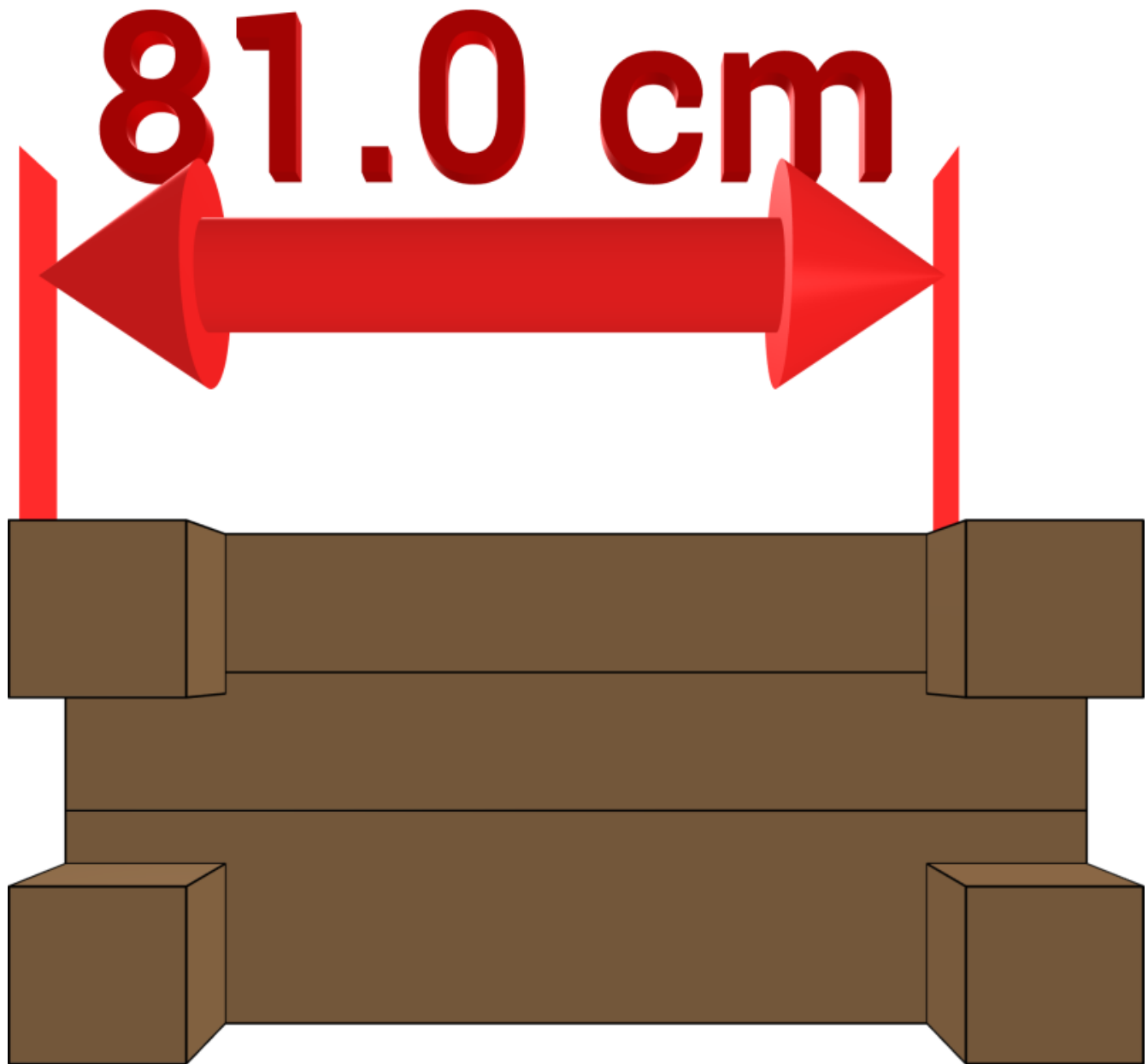


Figure 18: Bottom view cabinet

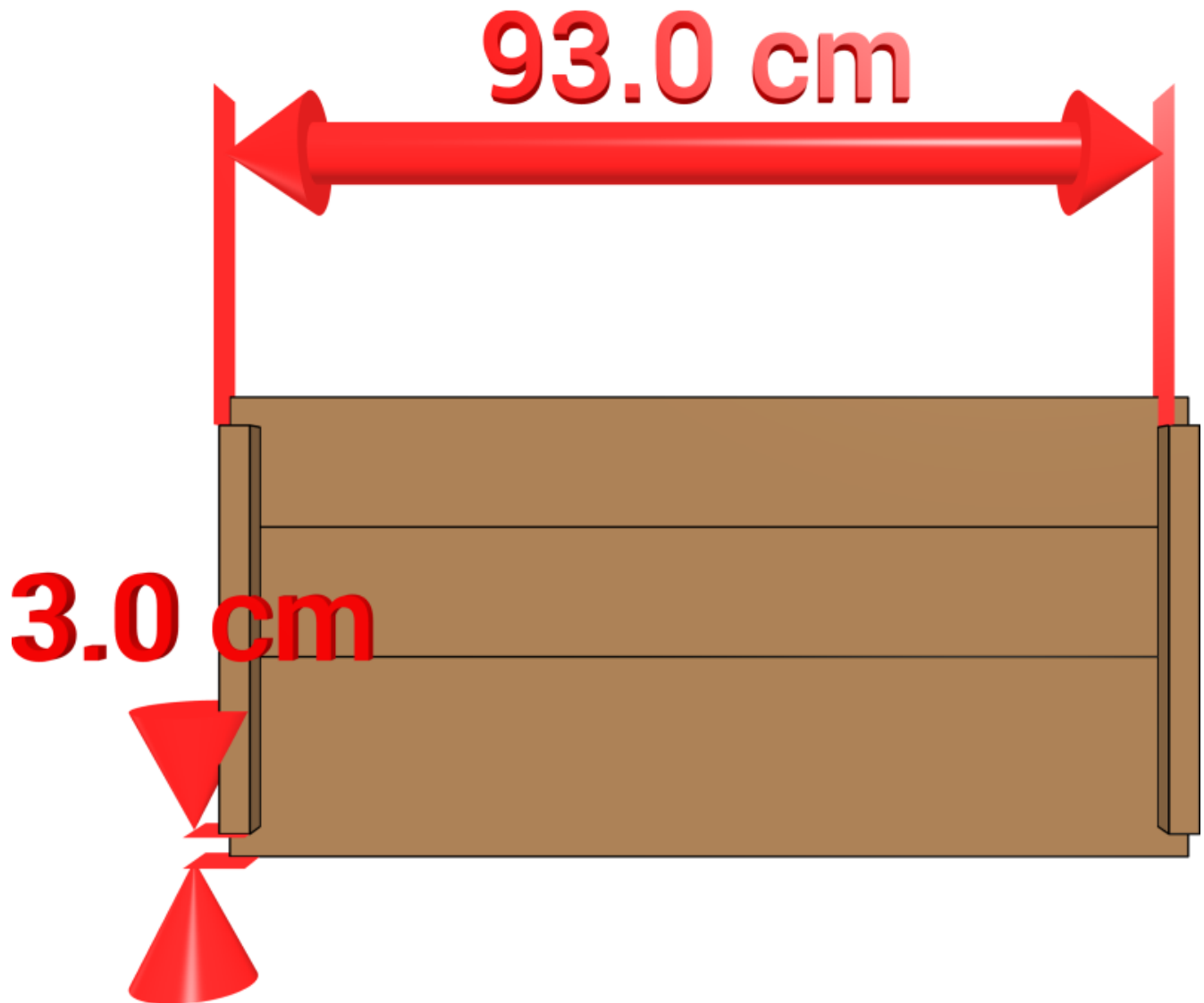


Figure 19: Ribs on cabinet



Figure 20: Ladder frame



Figure 21: Ladder frame on bottom

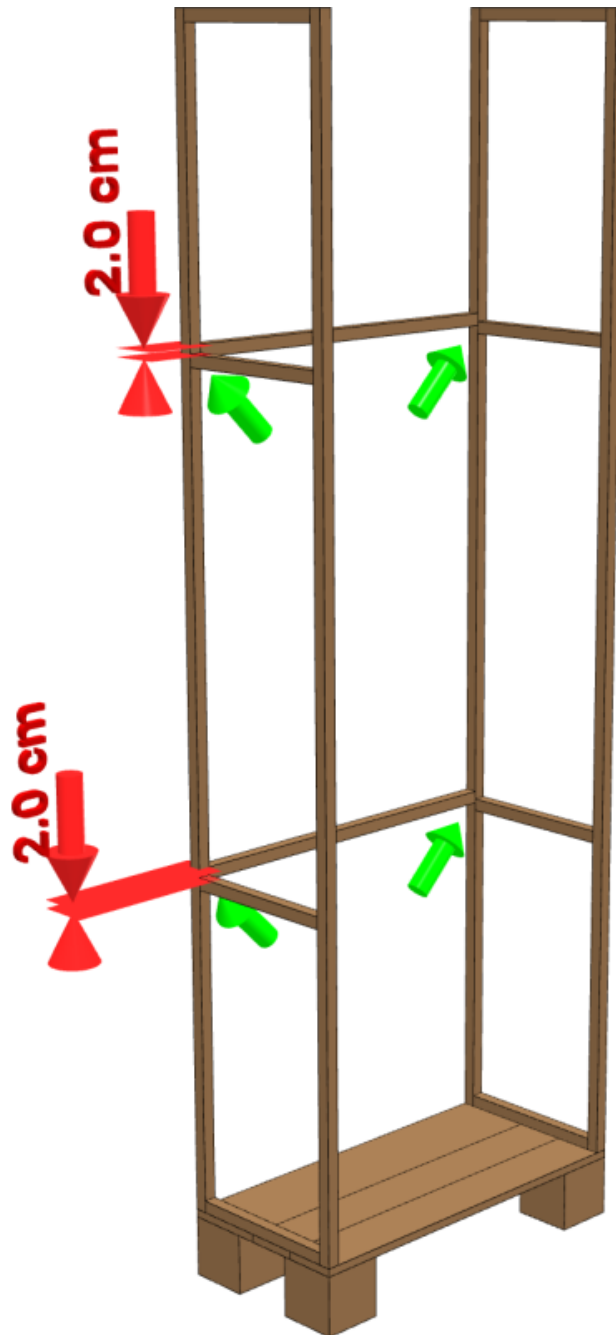


Figure 22: Backside rib global

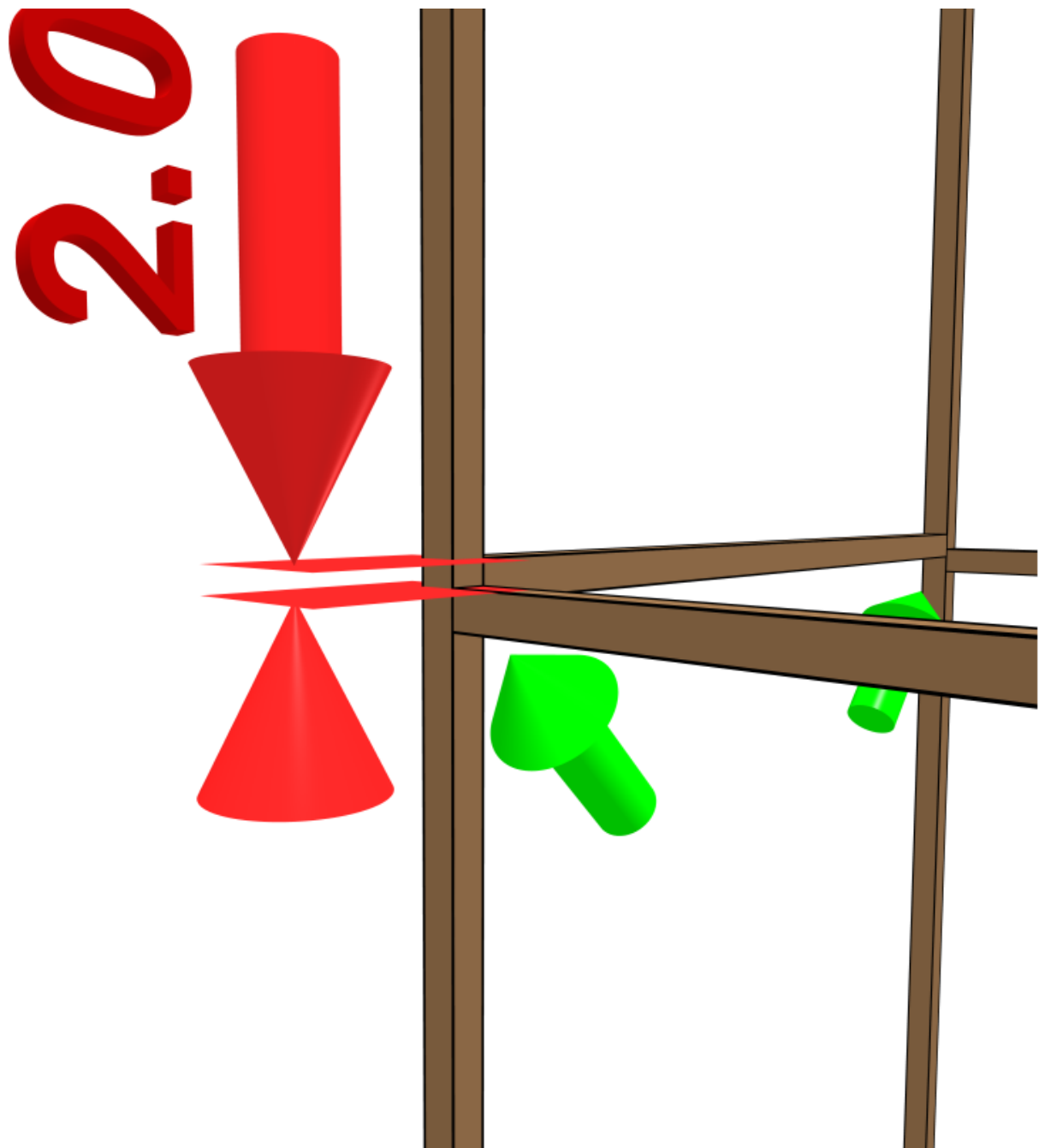


Figure 23: Backside rib local

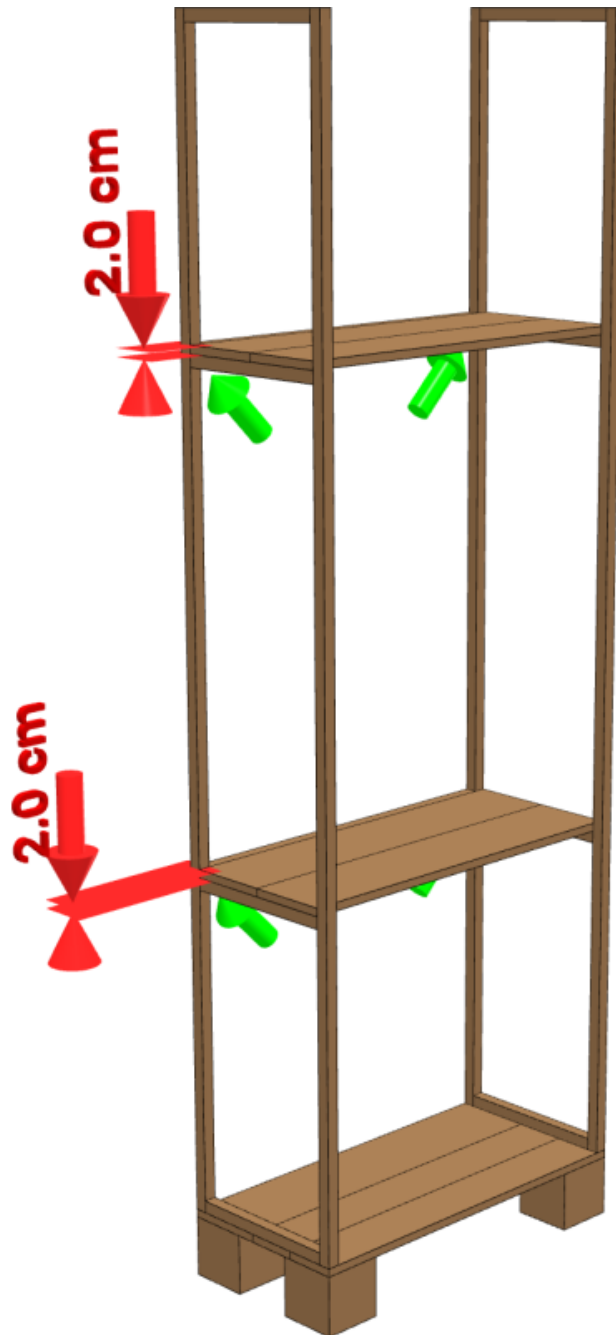


Figure 24: Decking global

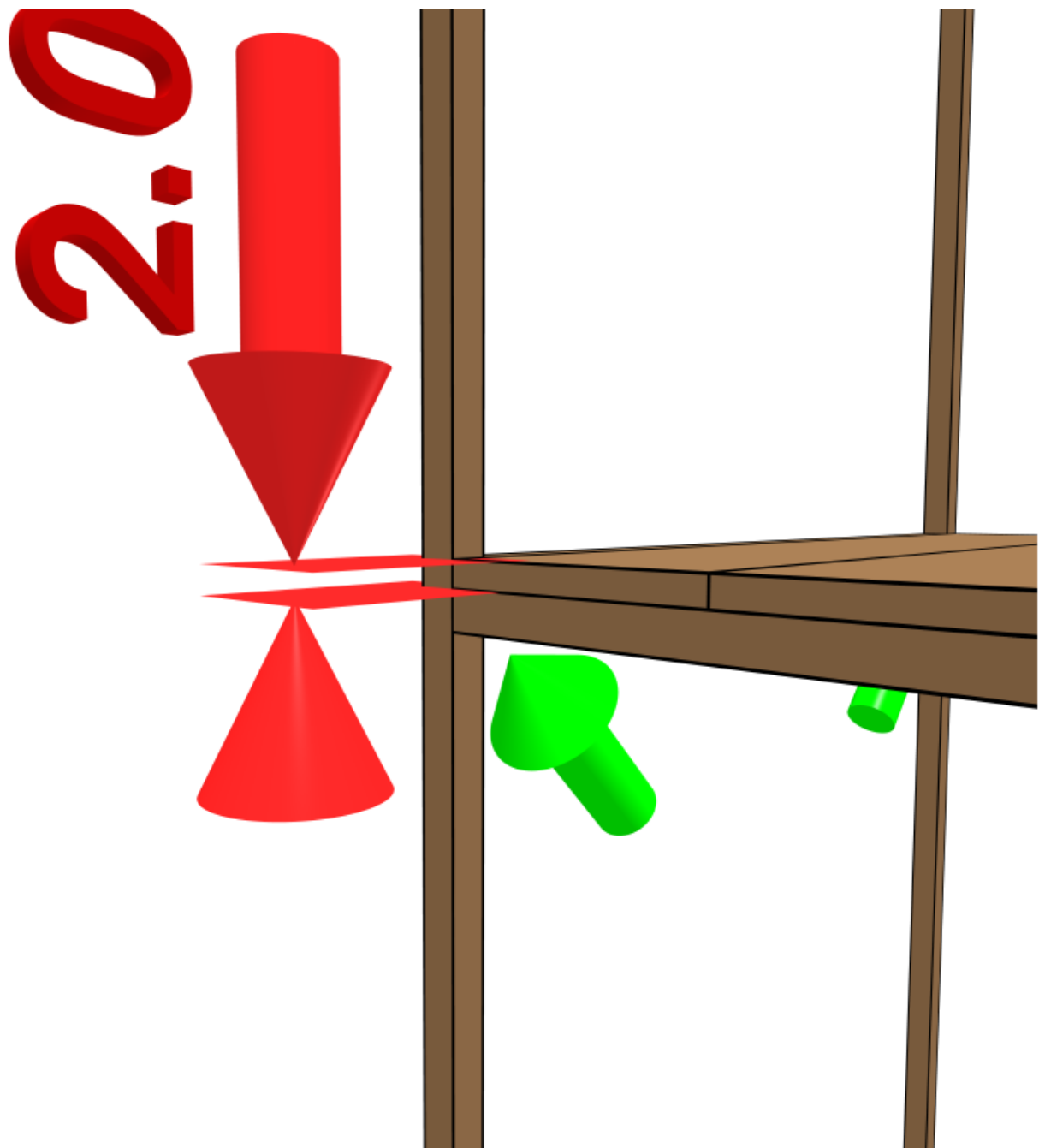


Figure 25: Decking local

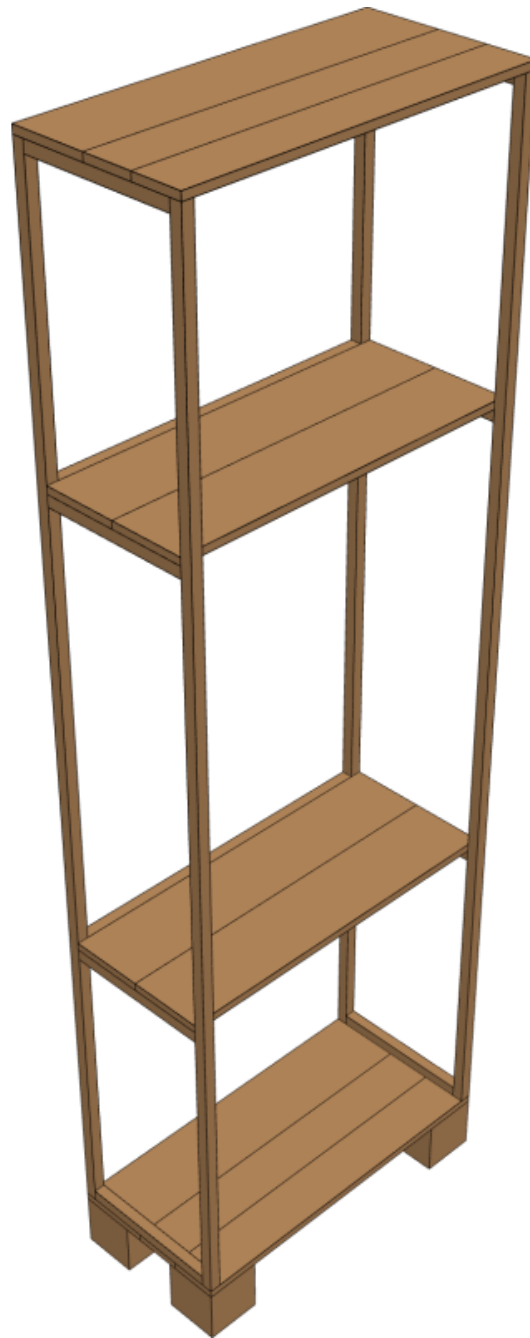


Figure 26: Topside cabinet

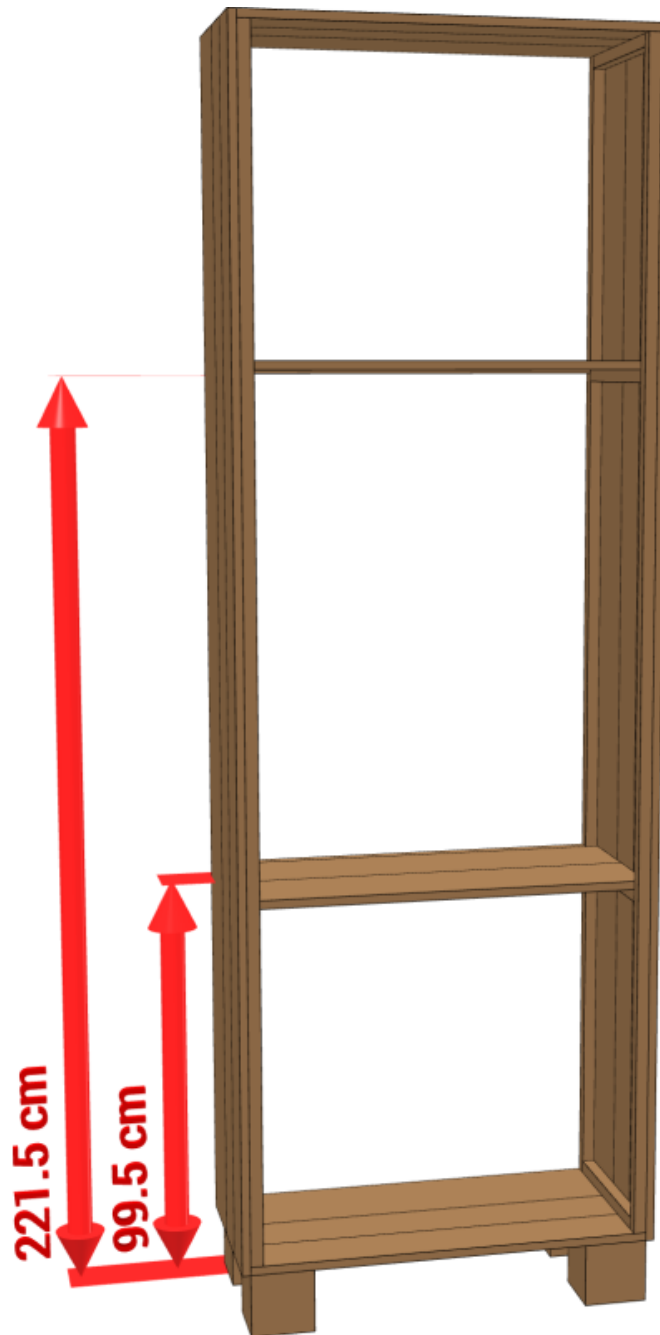


Figure 27: Sides cabinet

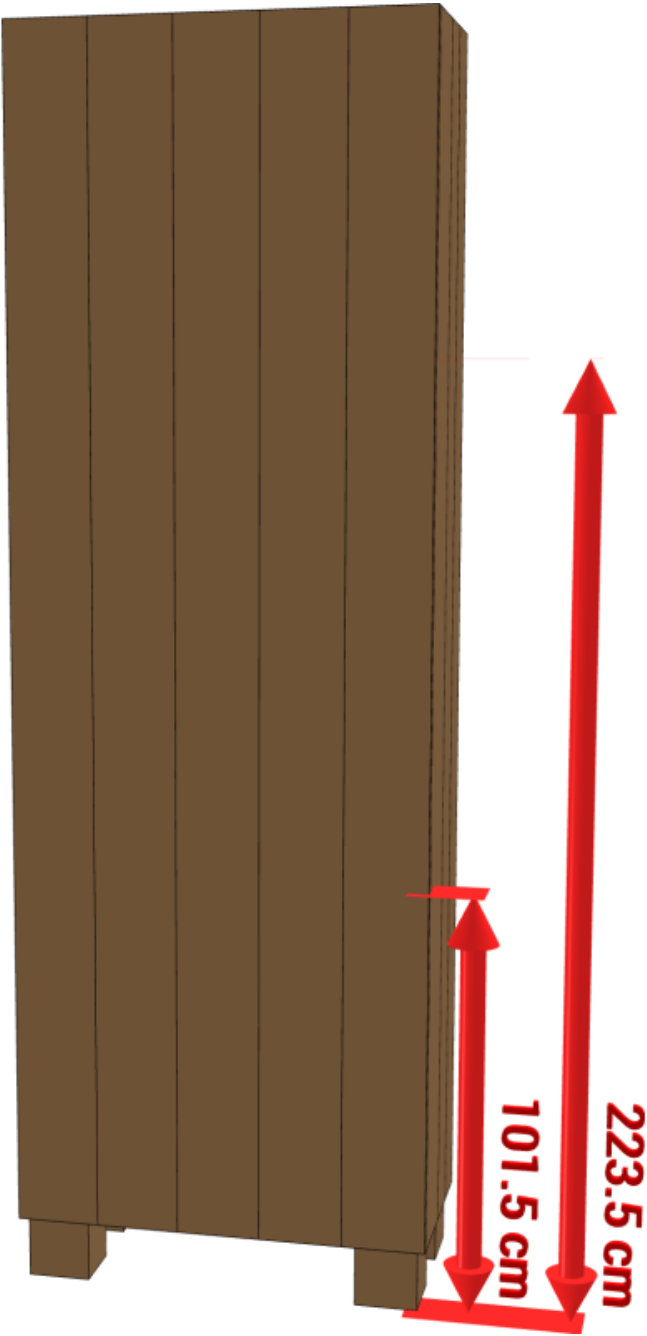


Figure 28: Backside cabinet

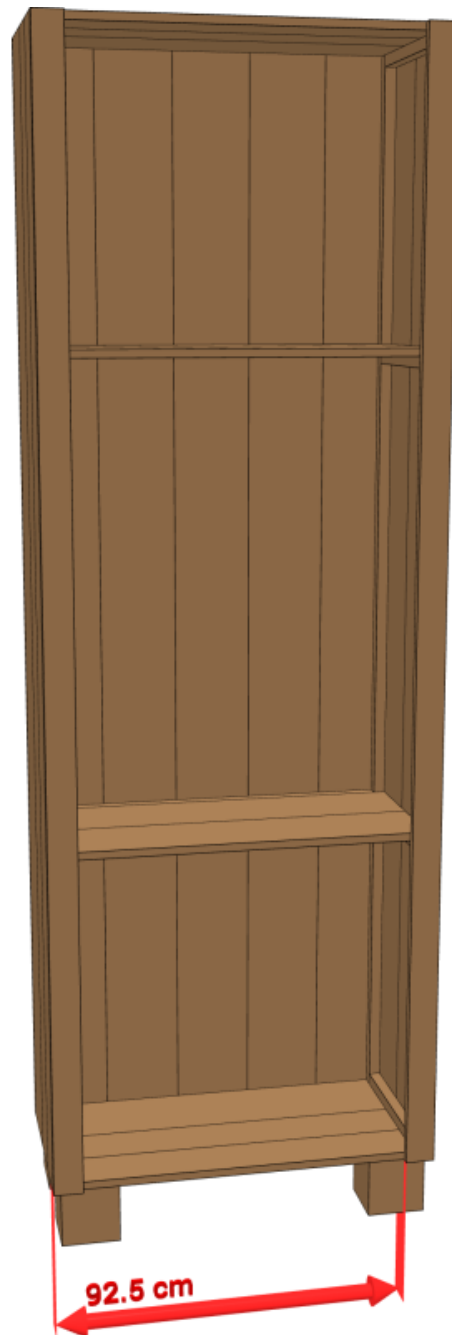


Figure 29: Door frame global

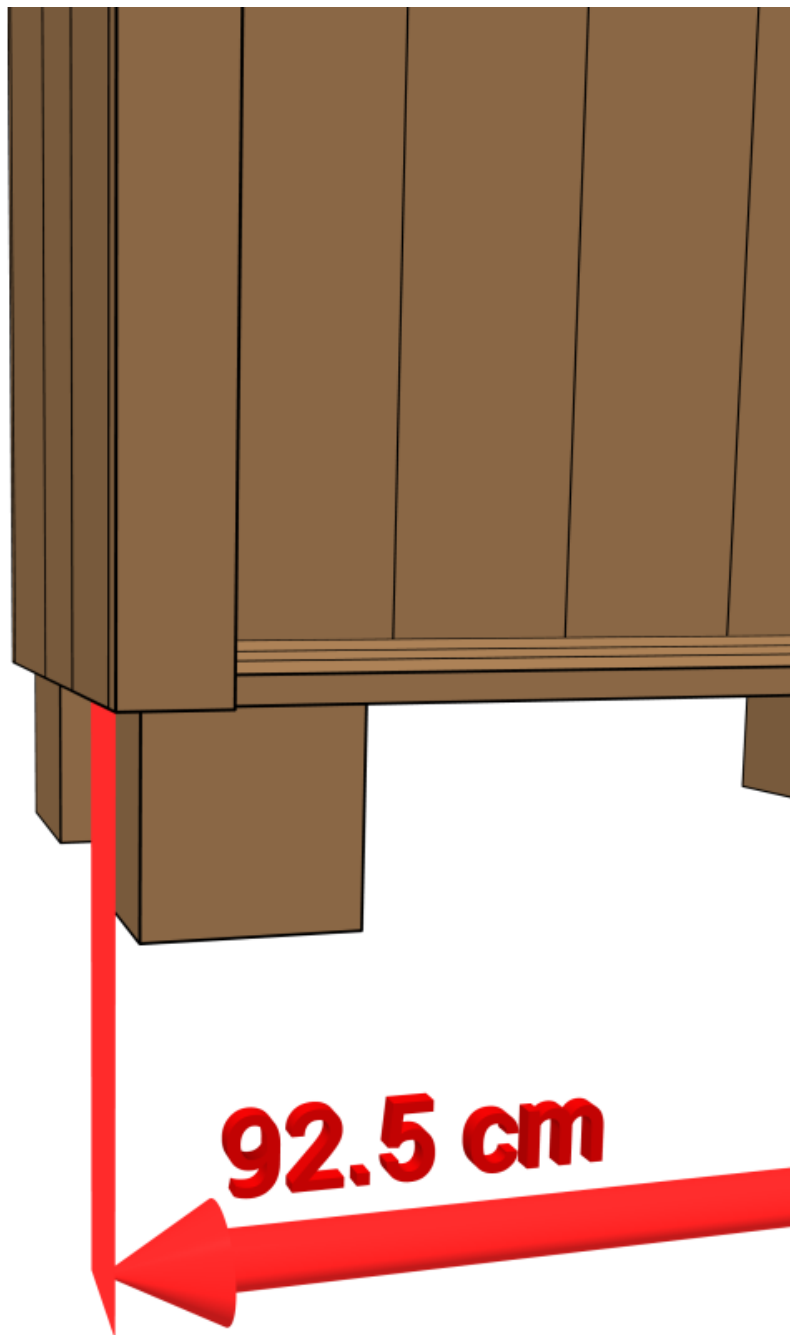


Figure 30: Door frame local

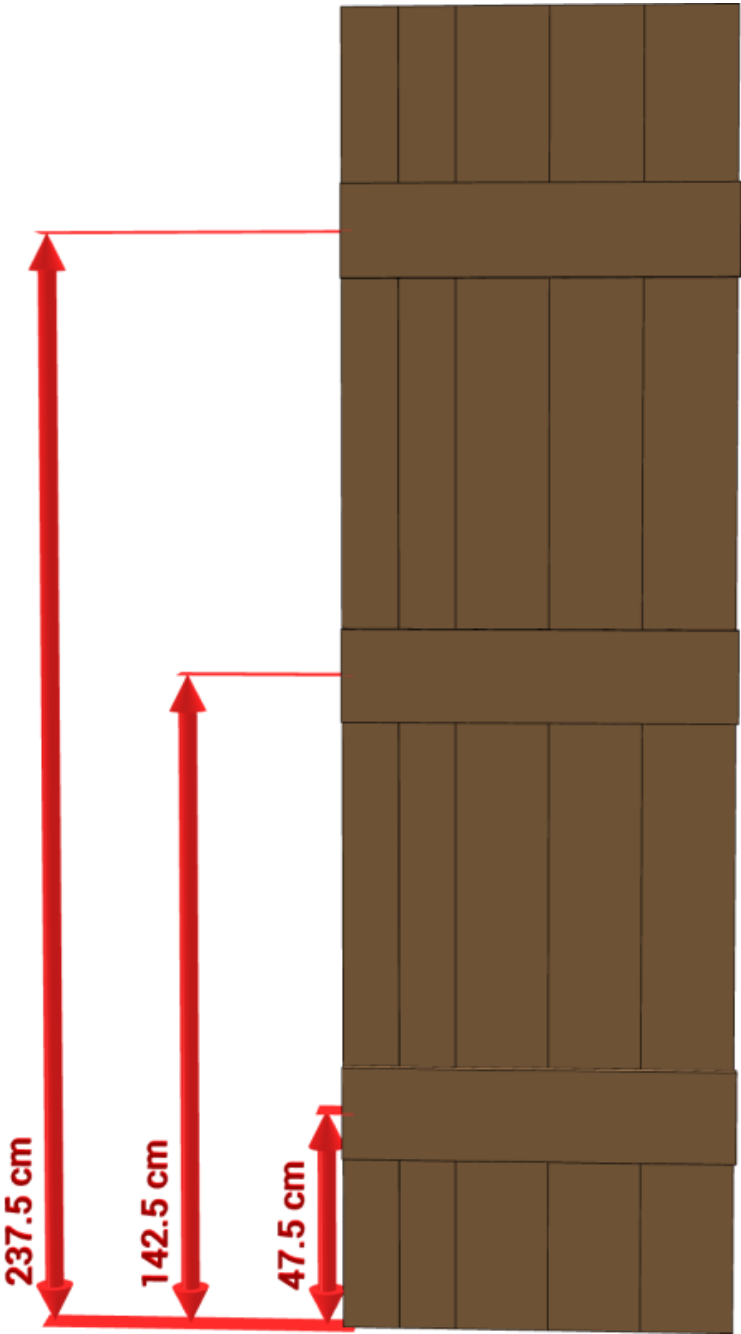


Figure 31: Door

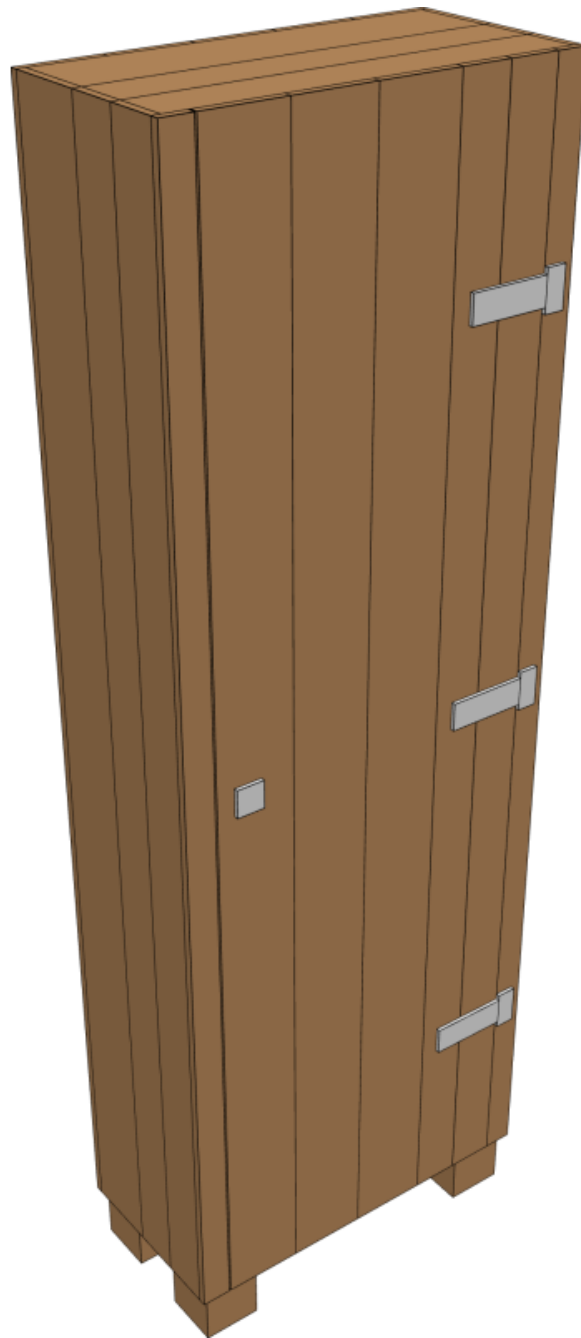


Figure 32: Your new cabinet is ready to use!