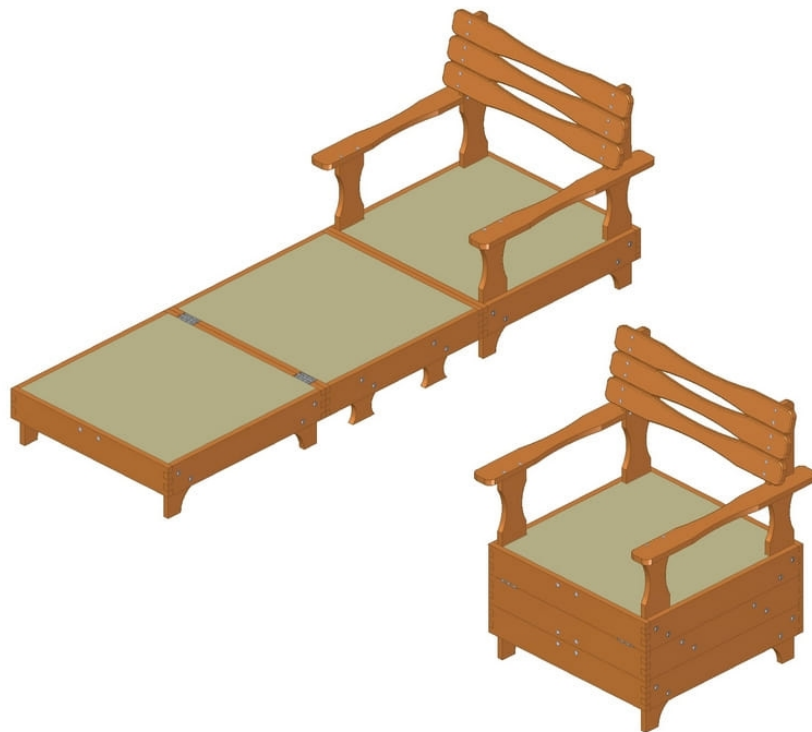


## Double fold out chair bed

The chair bed that you can make according to this plan has a simple construction and is easy to make; by its design, it is ideal for cottages, log cabins or any room that is furnished in rustic style. The picture shows what this chair bed looks like when folded (a chair) and unfolded (a bed).



To make sitting and sleeping on it more comfortable, you can make or buy adequate cushions. The whole construction consists of 3 subassemblies (one chair and two similar subassemblies (Leg subassembly and middle subassembly) that form the bed) which are connected to each other by hinges to enable folding and unfolding. The basic construction of these 3 subassemblies is the same, which in fact is a square-shaped frame made of 654mm (25  $\frac{3}{4}$ " ) x 100mm (3  $\frac{15}{16}$ " x 19mm (3/4" ) boards joined together with a box joint. We have chosen the box joint to make the finished bed chair look visually nice, but since it is not a joint that is made easily and quickly, you may choose another joint or even connect the boards with fasteners. Depending on the subassembly, the legs and the parts that form the back and armrest are attached to the

frame. Boards are mounted under the horizontal sheets so as to avoid plywood sagging when sitting or sleeping.

We recommend that you make the construction from solid wood bought at the local stores, and the horizontal sheets from plywood.

The interesting thing about this double fold out chair bed is that you can make it in two ways:

- The first is the fast way: buy standard construction lumber and plywood, sand them, cut them to the required dimensions, connect them based on our plan using fasteners... And voilà! Your chair bed is ready! Of course, you can protect it with some agent and buy some nice cushions, too.

- The second way is to make this bed chair a beautiful piece of folk furniture: buy some quality wood with a nice texture, use visually appealing woodworking joints (box joints, dovetail joints, miter joints with spline ...), decorate the whole construction with chip carving technique (which is characteristic of folk furniture decorating), protect the construction, and then ask your wife to choose some nice quality fabric to make the cozy cushions. In this way, you will get a chair bed that will captivate with its beauty and functionality - on the one hand, it will be a useful chair, and on the other hand, you will easily unfold it and have an extra bed when your guests come to visit. This chair bed is also useful if you have a lack of space where you live because you can very quickly change a chair into a bed and vice versa, all according to your needs.

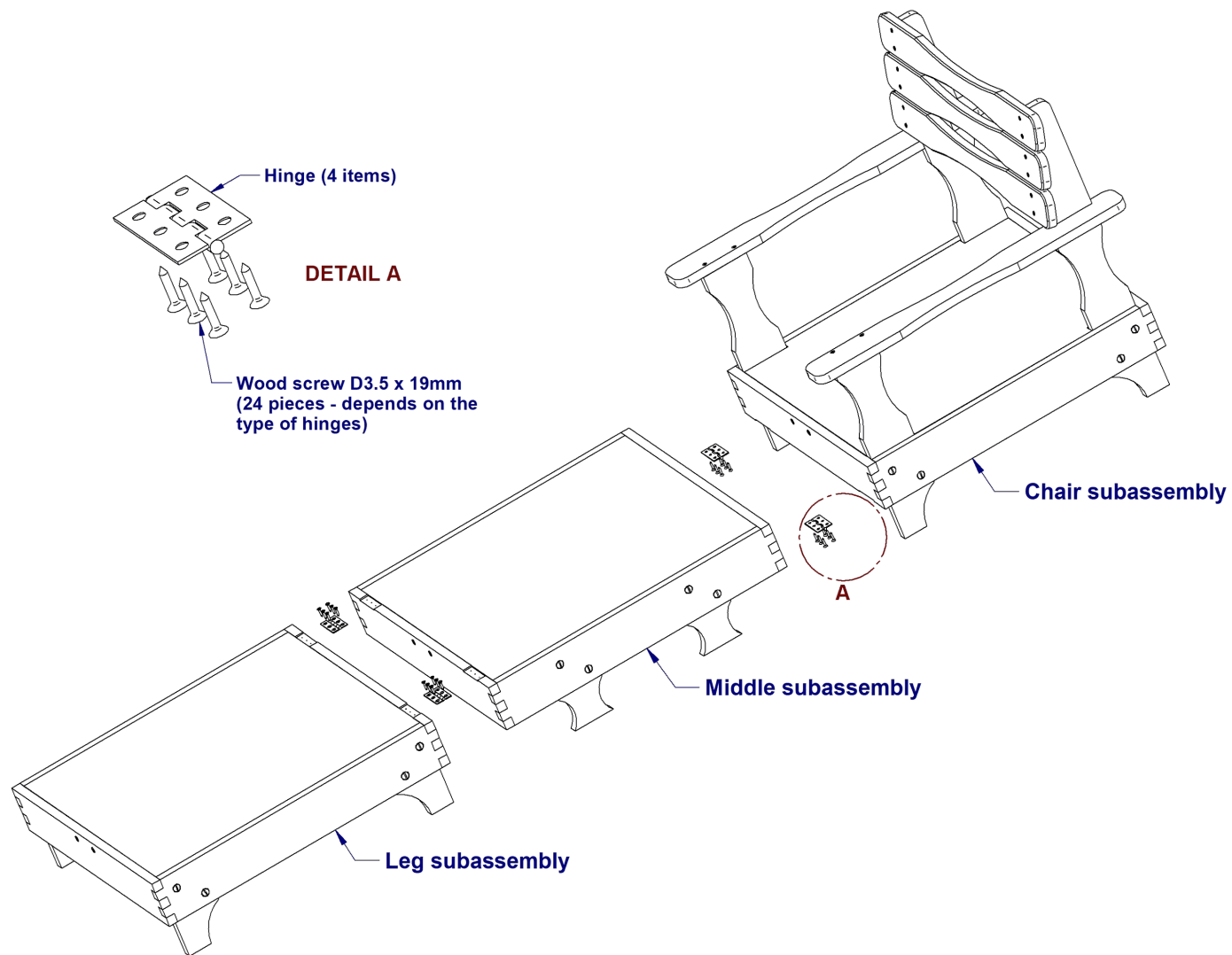
It is up to you to choose the variant, all depending on your experience, needs, creativity, amount of free time... By the way, we got the idea for this construction when we paid a visit to a household dealing with rural tourism. A chair bed like this was housed in a log cabin where we stayed for a few days, and we thought how it fit perfectly into the wooden interior. Out of curiosity, we unfolded it to check what it felt like to lie on it and there was quite enough space. So, if you equip your chair bed with adequate cushions, it will be quite comfortable to sleep in!

### **Dimensions:**

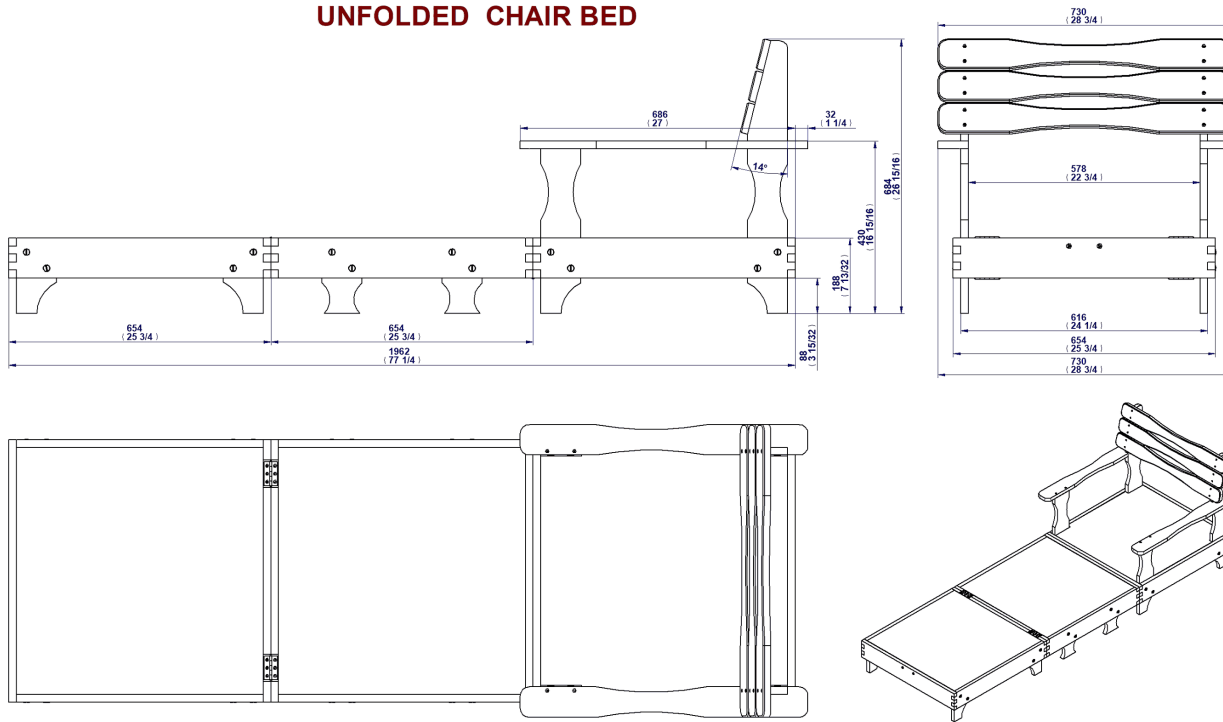
**Unfolded chair bed:** L 1994mm (78 1/2") x W 730mm (28 3/4") x H 684mm (26 15/16")

**Folded chair bed:** L 718mm (28 9/32") x W 730mm (28 3/4") x H 884mm (34 13/16")

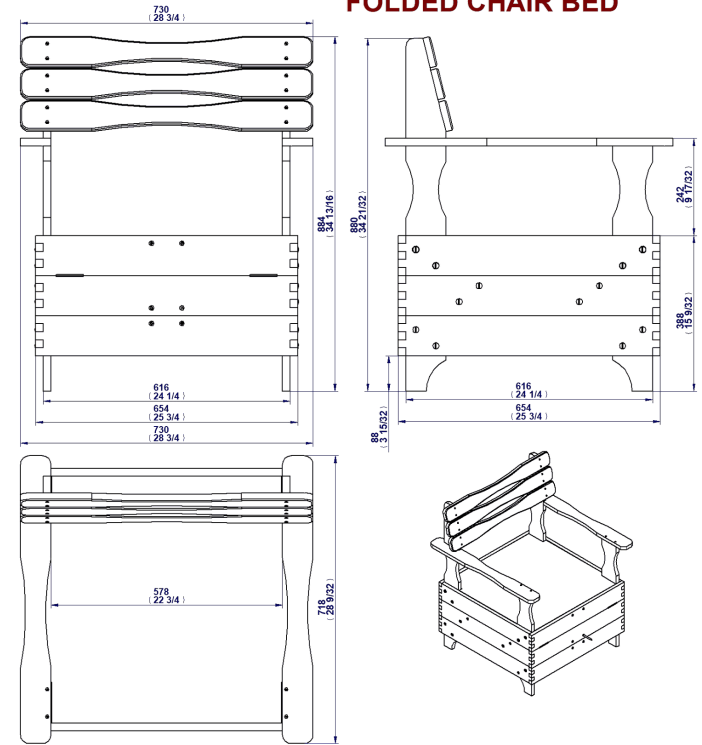
## Double fold out chair bed – Main assembly drawings



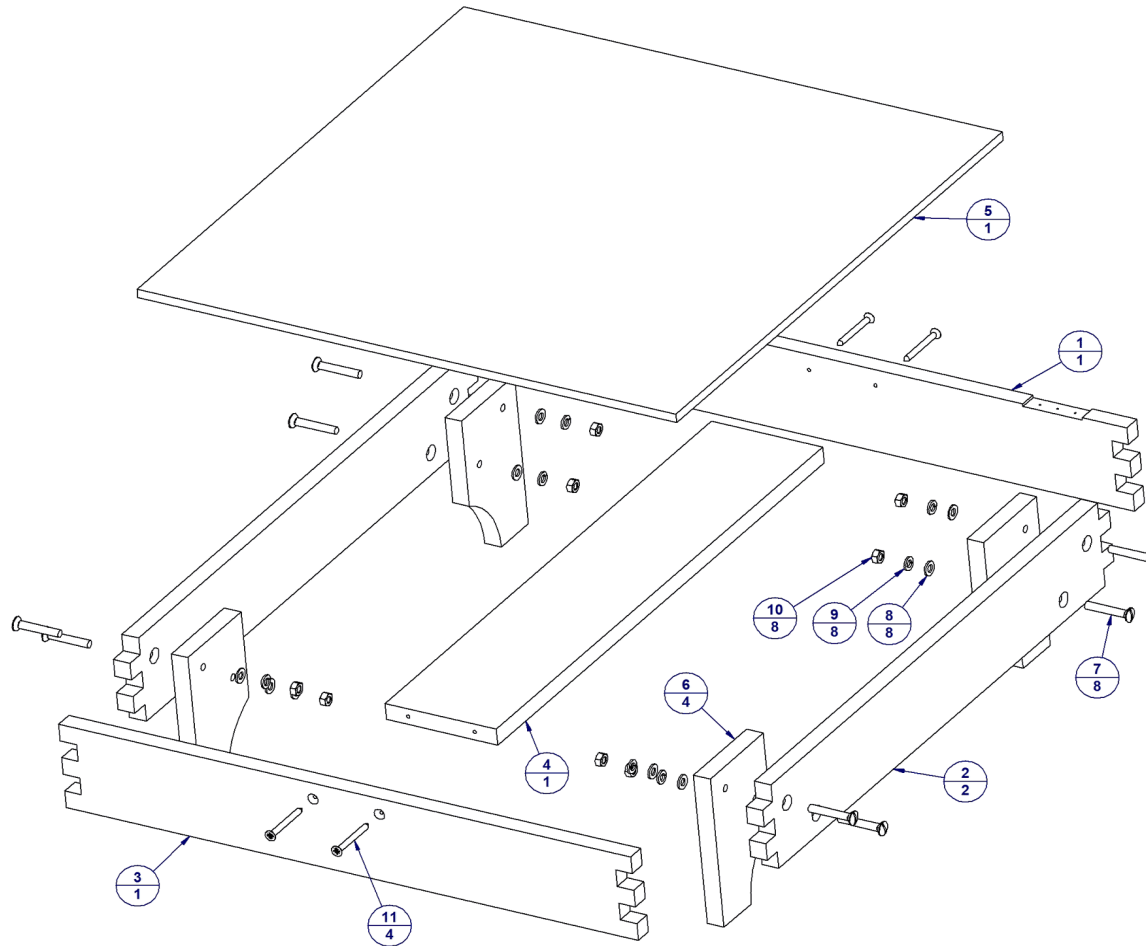
### UNFOLDED CHAIR BED



### FOLDED CHAIR BED

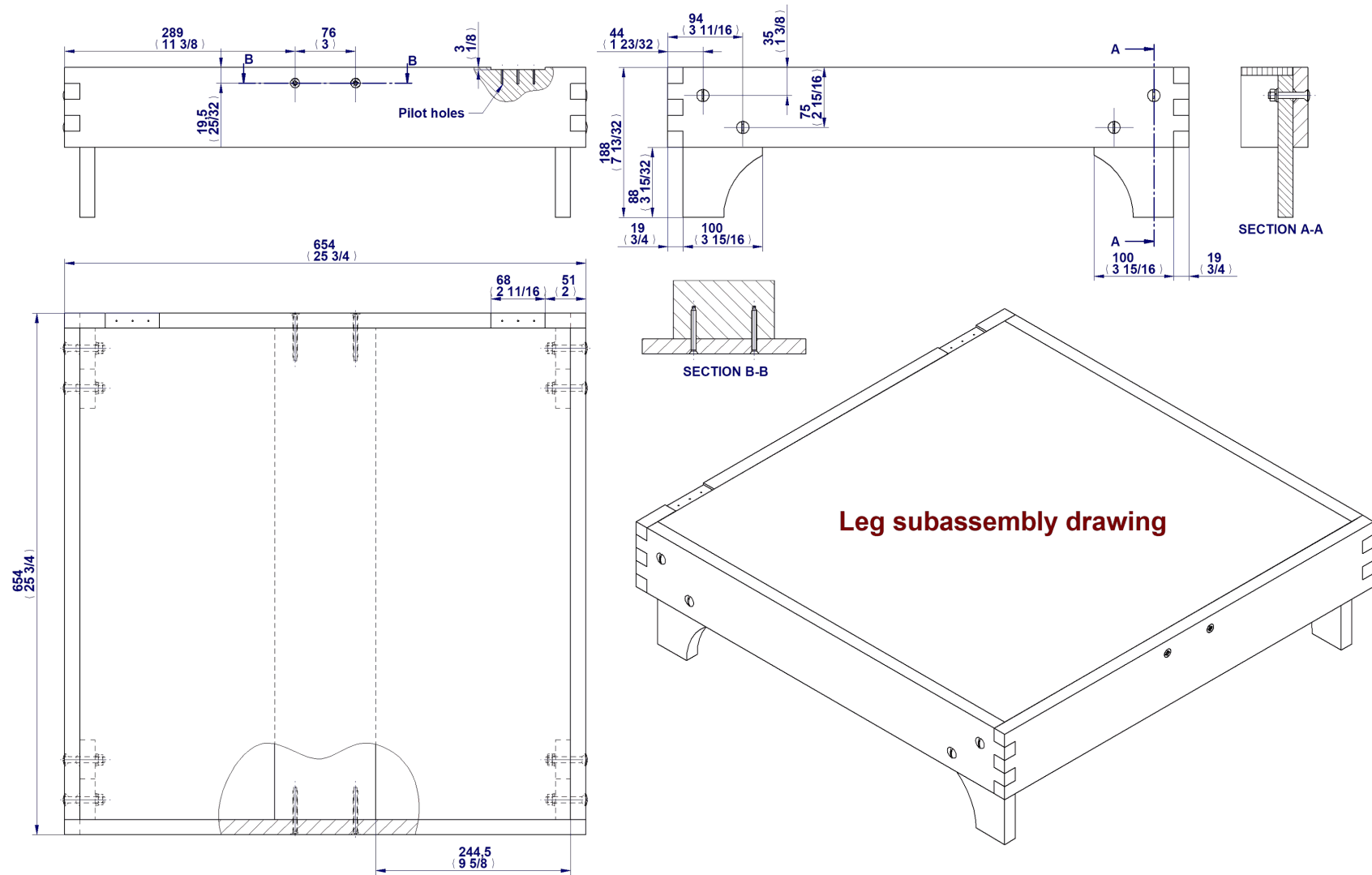


Leg subassembly – Exploded view and parts list



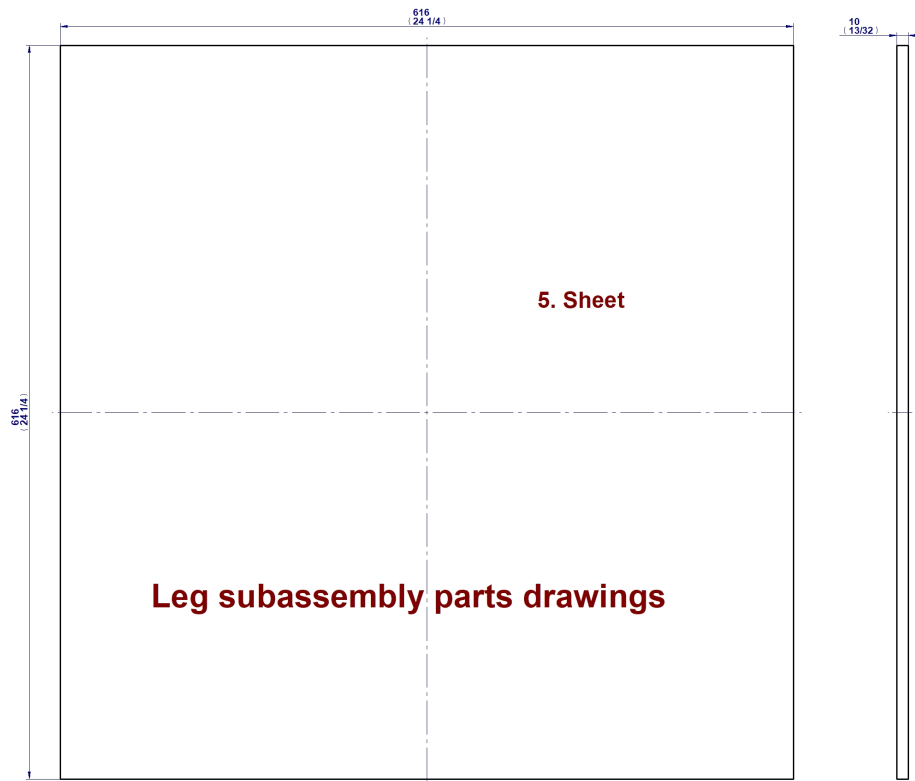
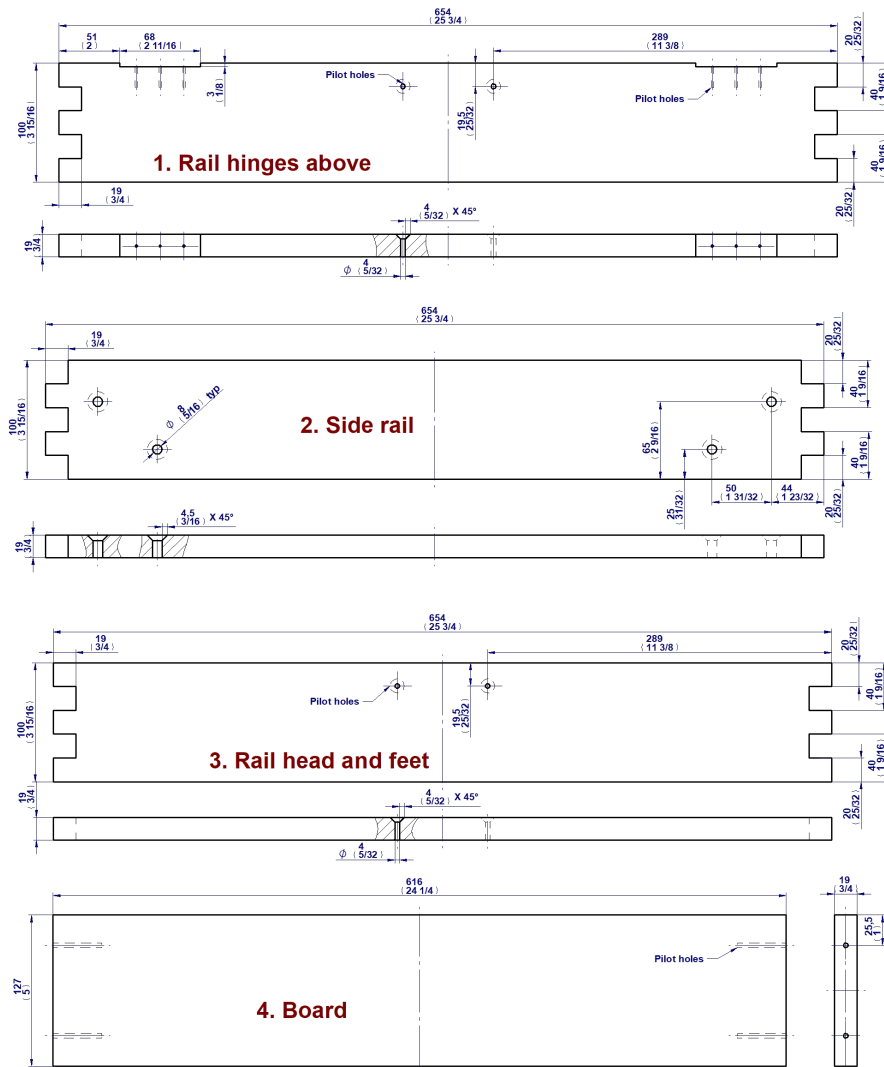
Item Number	Title	Quantity	Material
1	Rail hinges above	1	Wood
2	Side rail	2	Wood
3	Rail head and feet	1	Wood
4	Board	1	Wood
5	Sheet	1	Wood
6	Leg	4	Wood
7	Countersunk head bolt M8x50mm	8	Steel
8	Washer D8mm	8	Steel
9	Lock washer M8	8	Steel
10	Hexagon nut M8	8	Steel
11	Wood Screw 6x60mm	4	Steel

### Leg subassembly – Assembly drawing

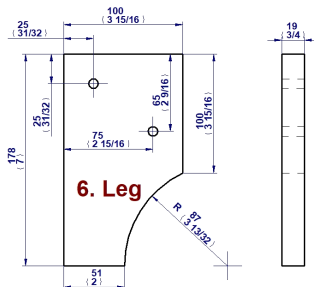


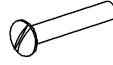




**Leg subassembly drawing**

Leg subassembly – Parts drawings

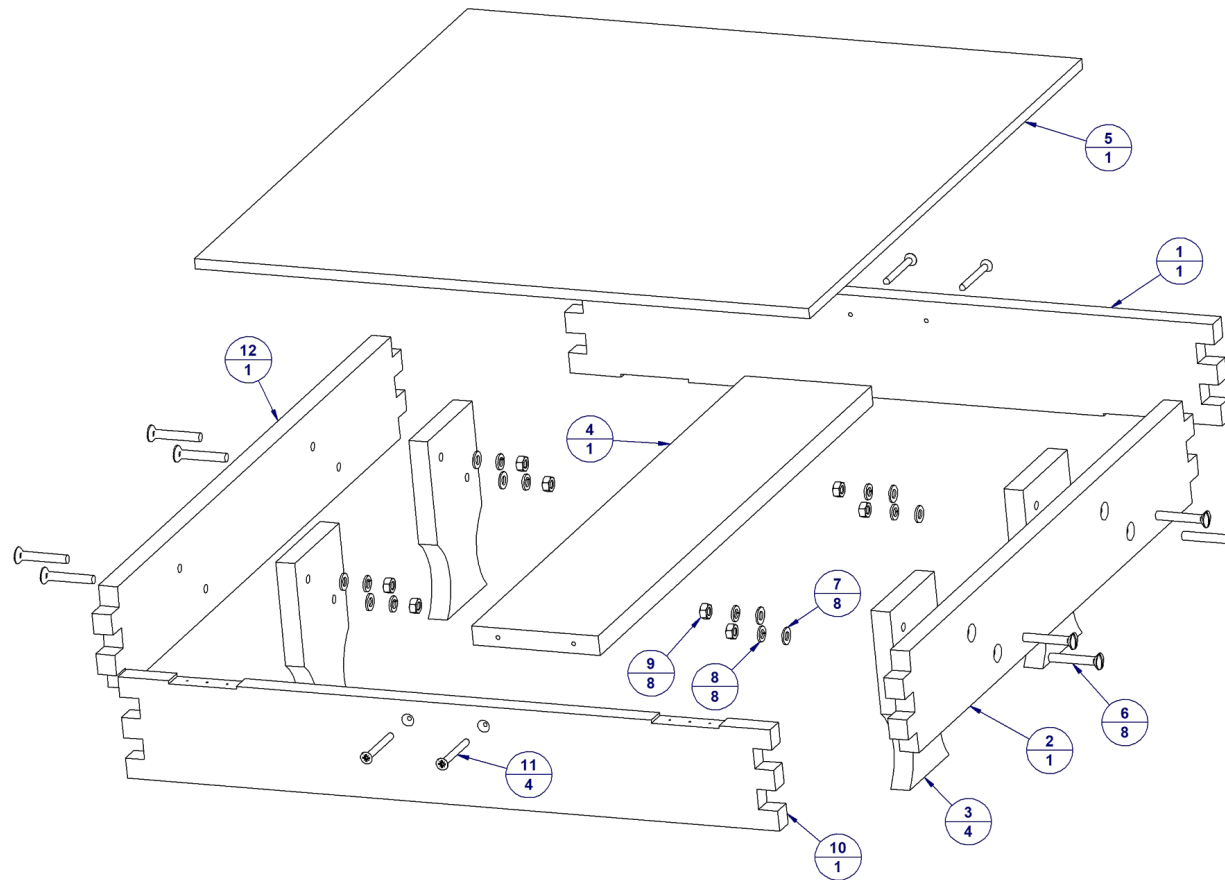


Leg subassembly parts drawings



-  7. Countersunk head bolt M8x50mm
-  8. Washer D8mm
-  9. Lock washer M8
-  10. Hexagon nut M8
-  11. Wood screw 6x60mm

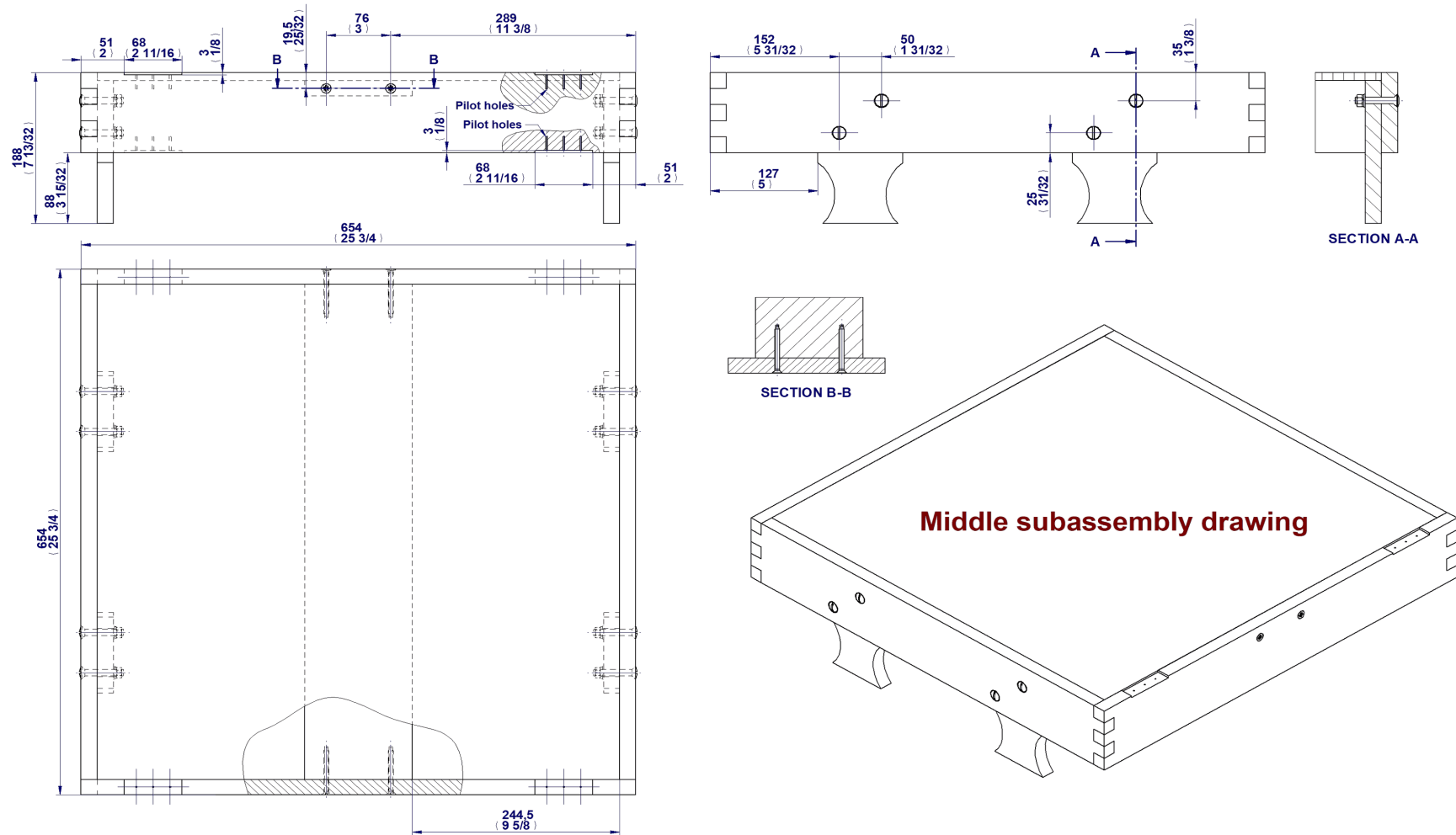
Middle subassembly – Exploded view and parts list



Item Number	Title	Quantity	Material
1	Rail hinges down	1	Wood
2	Side rail middle	1	Wood
3	Leg middle	4	Wood
4	Board	1	Wood
5	Sheet	1	Wood
6	Countersunk head bolt M8x50mm	8	Steel
7	Washer D8mm	8	Steel
8	Lock washer M8	8	Steel
9	Hexagon nut M8	8	Steel
10	Rail hinges above	1	Wood
11	Wood Screw 6x60mm	4	Steel
12	Side rail middle mirror	1	Wood

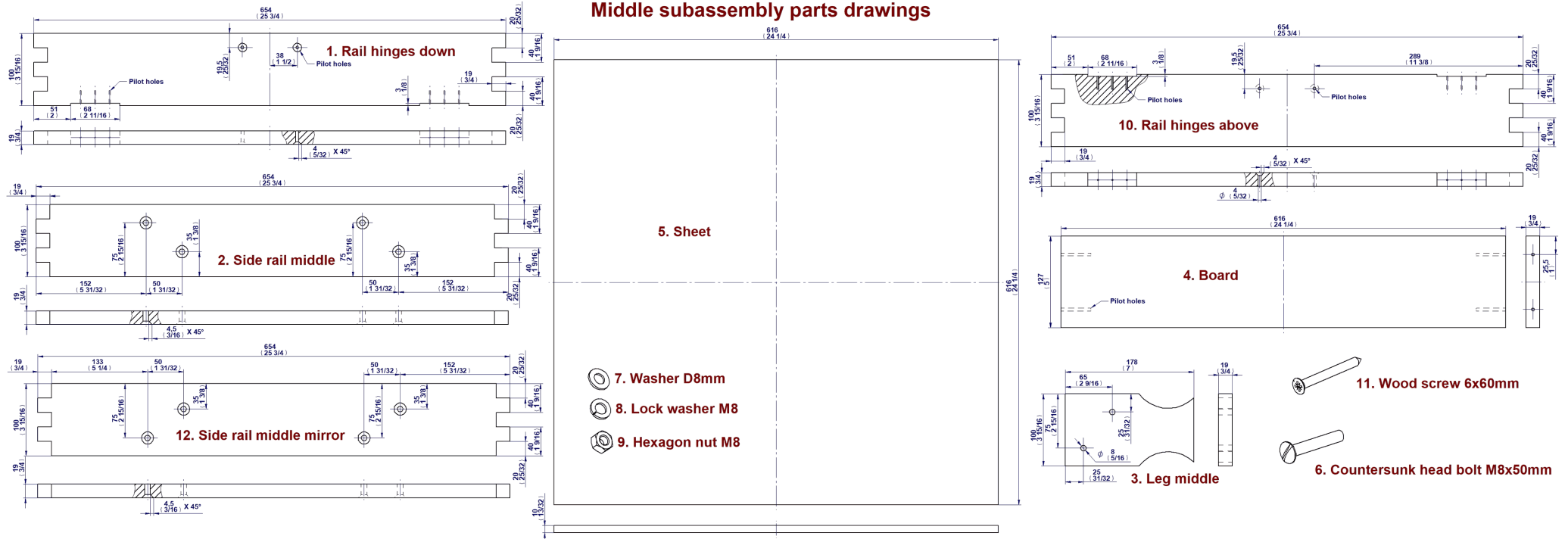


### Middle subassembly – Assembly drawing

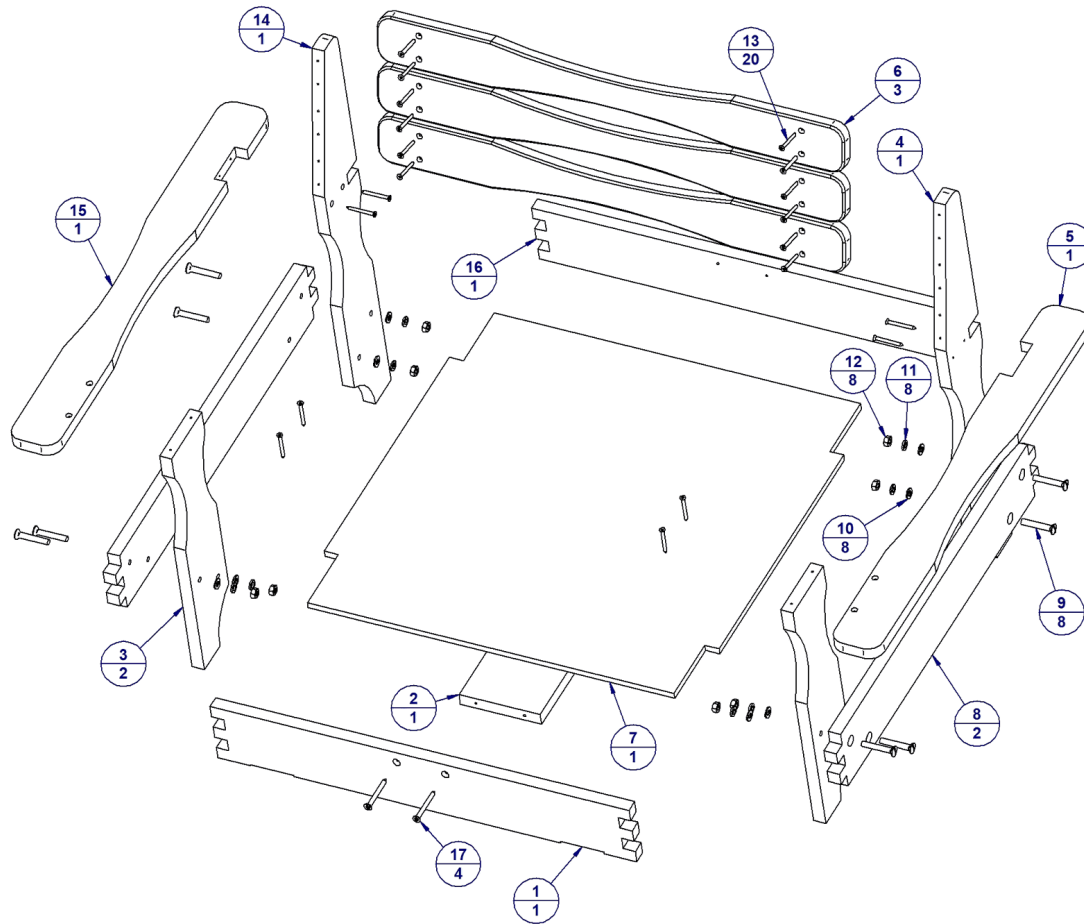


## Middle subassembly – Parts drawings

### Middle subassembly parts drawings

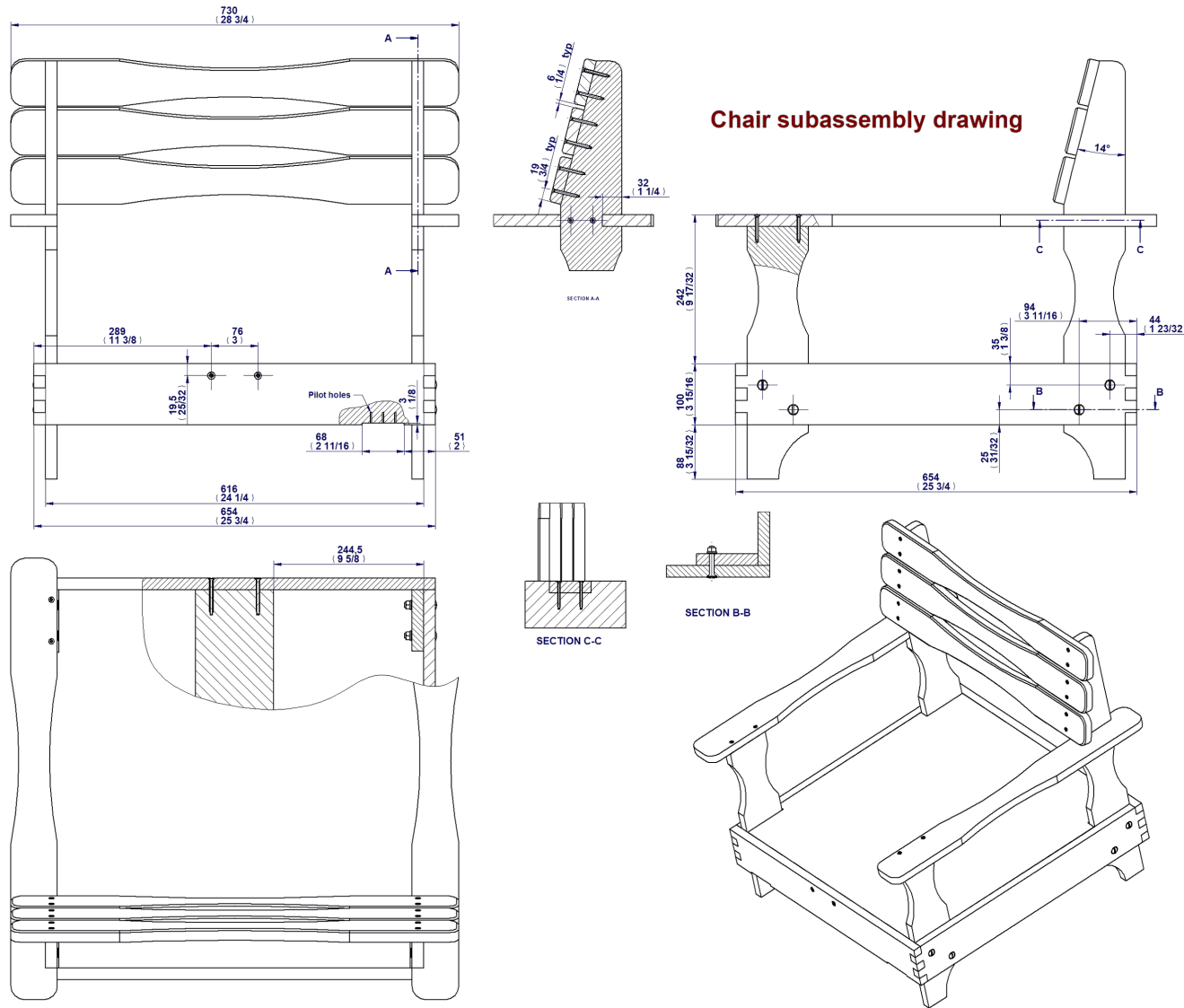


Chair subassembly – Exploded view and parts list



Item Number	Title	Quantity	Material
1	Rail hinges down	1	Wood
2	Board	1	Wood
3	Front chair leg	2	Wood
4	Back chair leg	1	Wood
5	Armrest	1	Wood
6	Backrest	3	Wood
7	Sheet head	1	Wood
8	Side rail	2	Wood
9	Countersunk head bolt M8x50mm	8	Steel
10	Washer D8mm	8	Steel
11	Lock washer M8	8	Steel
12	Hexagon nut M8	8	Steel
13	Wood Screw D4,5 x 45mm	20	Steel
14	Back chair leg mirror	1	Wood
15	Armrest mirror	1	Wood
16	Rail head and feet	1	Wood
17	Wood Screw 6x60mm	4	Steel

### Chair subassembly – Assembly drawings



## Chair subassembly – Parts drawings

### Chair subassembly parts drawings

