



Container shelter MC364004P

Steel roof on containers · 11 × 12.1 m · arch spacing 3.025 m

MC364004P

11 × 12.1 × 1.22 m

BEFORE ASSEMBLY

TECHNICAL DATA

MODEL

MC364004P

WIDTH

11 m

LENGTH

12.1 m

HEIGHT

1.22 m

ARCH SPACING

3.025 m**FRAME EXTENSION KIT**

The dimensions given are for the basic frame. Your model may have more or fewer middle ribs than shown in the illustration. For each additional arch spacing of building length that you purchase, you receive extra ribs. The basic frame assembly remains the same. The covering will be the correct size for the building length.

**IMPORTANT NOTE ON ANCHORING**

- The shelter **MUST** be anchored to prevent wind damage.
- Also prepare a temporary anchoring system in case you need to take a break during assembly.
- Before assembly, make sure you have all fasteners and all parts.

SAFETY

Safety precautions must be followed at all times throughout construction. Wear gloves at all times to reduce the risk of injury.

1. Sharp edges: be careful when handling parts, many have sharp edges. Wear work gloves, eye protection and long sleeves during assembly and maintenance.
2. Safe use of tools: be careful with the tools used for assembly. Familiarise yourself thoroughly with the operation of all power tools.
3. Beware of wind: do not attempt to build on a windy day. Large panels can catch the wind like a sail and fly about, making construction difficult and dangerous. Even a light wind can seriously damage a partly assembled structure.
4. Do not start building until you have carefully checked that you have all parts from the parts list and all fasteners.
5. Do not load the roof: **NEVER** put your weight on the roof. When using a ladder, make sure it is fully opened and stands on a level surface before climbing.
6. No children or animals on site: keep children and animals off the site during construction and until completion. This prevents distraction and possible accidents.

ASSEMBLY TIPS

- Watch the weather closely: the assembly day should be dry and calm. Be careful on wet or muddy ground.
- Work as a team: two or more people are needed for assembly. One person holds the parts or panels in place, the other connects them and operates the tools. This makes assembly faster and safer.

- Decide which anchoring method and type of base you will use and draw up a complete list of the required materials accordingly.

WHAT YOU WILL NEED

Work gloves

Safety glasses

Screwdriver with socket or spanner

8' ladder

Drill (cordless, with speed control)

Pliers

Snap-off knife or scissors

Spirit level

Measuring tape

Clamp

Mortar (asphalt base)

Masonry drill bit 7/8" × 13" (asphalt base)

Masonry drill bit 1/2" × 8" (concrete base)

RECOMMENDED TIME-SAVING AIDS

Angle bracket

String (for squaring the frame)

Awl (for aligning holes)

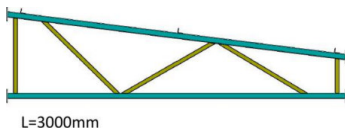
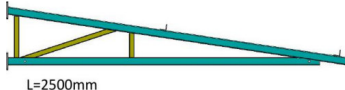
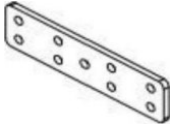
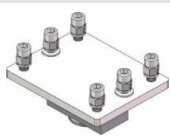
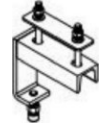
CHOOSING AND PREPARING THE SITE

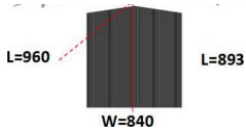
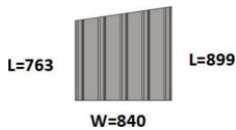
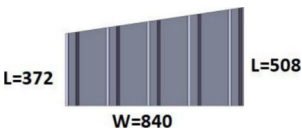
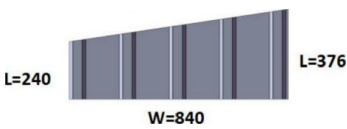
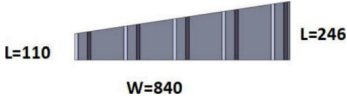
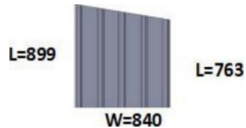
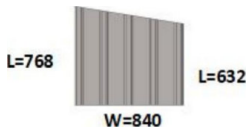
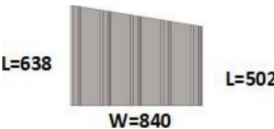
- Before starting assembly, choose a suitable site – preferably level, with good drainage.
- Ensure enough working space to move the parts into the assembly position. There must also be enough room outside the shelter to bolt the panels on from the outside.
- The base and the anchoring system must be prepared before any parts are assembled.

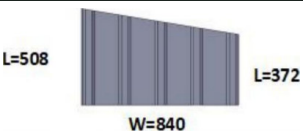
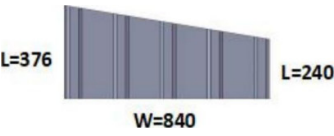
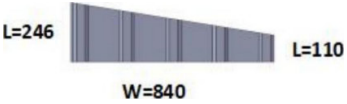
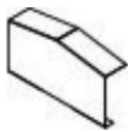
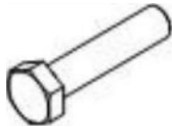
CHECK THE DELIVERY

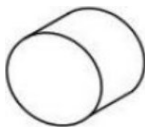
PARTS LIST

Read the instructions in full before assembly. Lay out the parts according to the following list.

NO.	Part name	Picture	Pcs
● 1	Inner cross beam, L = 3000 mm	 L=3000mm	10
● 2	Outer cross beam, L = 2500 mm	 L=2500mm	10
● 3	Middle purlin, L = 3025 mm	 L=3025mm	20
● 3A	Side purlin, L = 3045 mm	 L=3045mm	20
● 4	Middle purlin mounting plate		60
● 4A	Side purlin mounting plate		40
● 5A	Corner square tube		8
● 5B	Corner square tube mounting plate		8
● 5	Middle square tube		12
● 6	Square tube connecting plate		32
● 7	Square tube fixing piece		24

NO.	Part name	Picture	Pcs
● 7A	Spacer for raising the fixing piece		24
● 8	Coloured steel roof sheet W1, 840 × 2970 mm	 W840xL2970	56
● 9	Coloured steel roof sheet W2, 580 × 2970 mm	 W580xL2970	4
● 10	Middle coloured steel sheet W3 of front and rear wall		2
● 11	Coloured steel sheet of front and rear wall		2
● 12	Coloured steel sheet of front and rear wall		2
● 13	Coloured steel sheet of front and rear wall		2
● 14	Coloured steel sheet of front and rear wall		2
● 15	Coloured steel sheet of front and rear wall		2
● 16	Coloured steel sheet of front and rear wall		2
● 17	Coloured steel sheet of front and rear wall		2
● 18	Coloured steel sheet of front and rear wall		2
● 19	Coloured steel sheet of front and rear wall		2

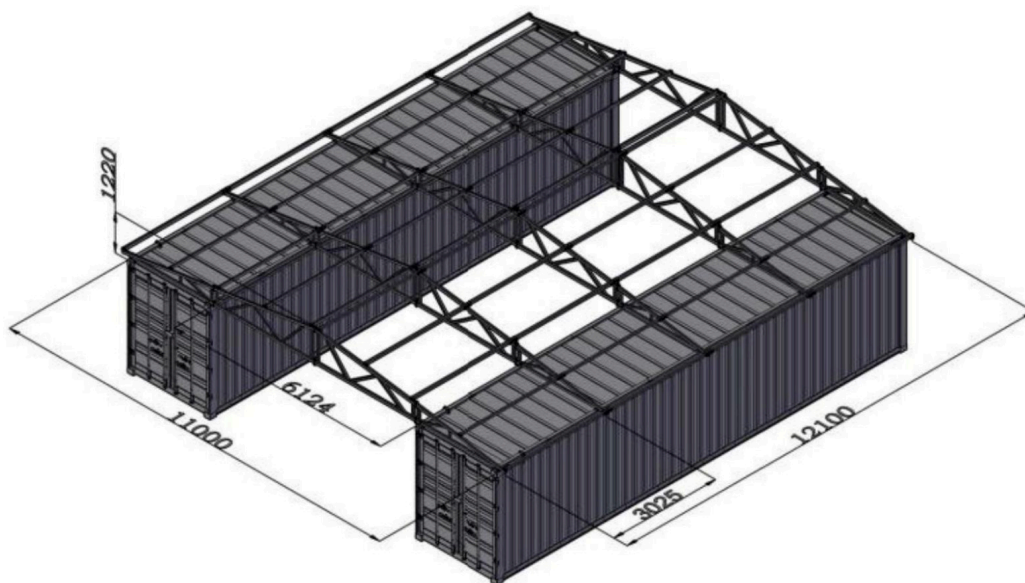
NO.	Part name	Picture	Pcs
● 20	Coloured steel sheet of front and rear wall		2
● 21	Coloured steel sheet of front and rear wall		2
● 22	Coloured steel sheet of front and rear wall		2
● 23	Middle roof ridge cap		8
● 23A	Front and rear wall ridge cap		2
● 24	Front and rear wall roof slope trim		8
● 25	Front and rear wall bottom trim		8
● 26	Side roof trim		16
● S51	Hexagon bolt M10 × 45 mm		120
● S52	Hexagon bolt M10 × 80 mm		310
● S14	Hexagon bolt M10 × 110 mm		64
● S25	Flat washer M10		368
● S53	Spring washer M10		494

NO.	Part name	Picture	Pcs
● S54	Large washer M10		620
● S35	Hexagon nut M10		494
● S42	Self-tapping screw ST4.2 × 20		1500
● S50	Sealing washer ST5.5 × 19		1500
● U28	Waterproof ridge tape		2 rolls

ASSEMBLY · PART 1

BASE PLATE ASSEMBLY

Before building the shelter, choose a level area on your plot and set out the shelter.



Drawing – shelter dimensions and container layout (mm)

A

Set out the area for the shelter at the desired location. The width of the area should be at least the width of the shelter and the length should equal the length of the shelter.

B

Measure the diagonals from tube centre to tube centre. The dimensions must match the drawing.

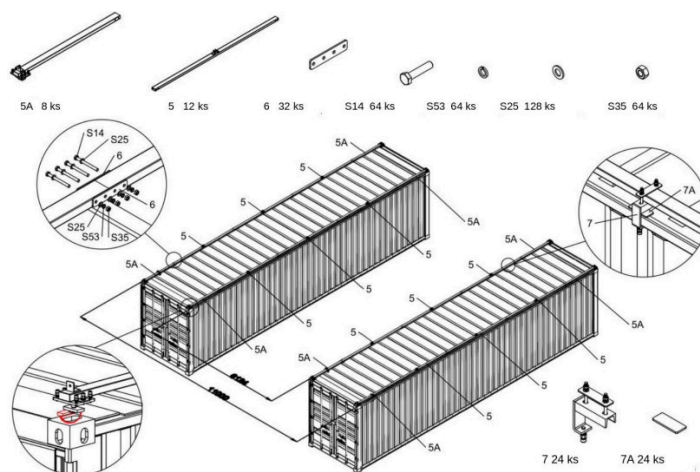
C


Fig. 1 – Square tubes on the containers

According to Fig. 1, fit the corner square tubes No. 5A and middle square tubes No. 5 on the containers. Connect them with connecting plates No. 6 using bolts S14, washers S25 and S53 and nuts S35. Fix the tubes to the containers with fixing pieces No. 7 and spacers No. 7A.

FRAME ASSEMBLY



SAFETY TIP

Always wear suitable protective equipment such as safety glasses and gloves.

Assemble the frame according to the following pictures. Tighten all connections firmly with the specified fasteners.

2.1

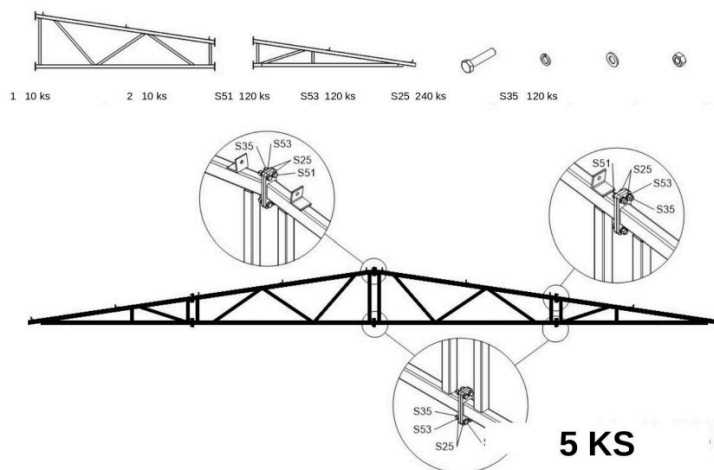


Fig. 2 - Cross beam group (5 pcs)

According to Fig. 2, take 2× inner cross beam (No. 1) and 2× outer cross beam (No. 2) and assemble them using S51/S25/S53/S35 into one cross beam group. Assemble 5 such groups in total.

2.2

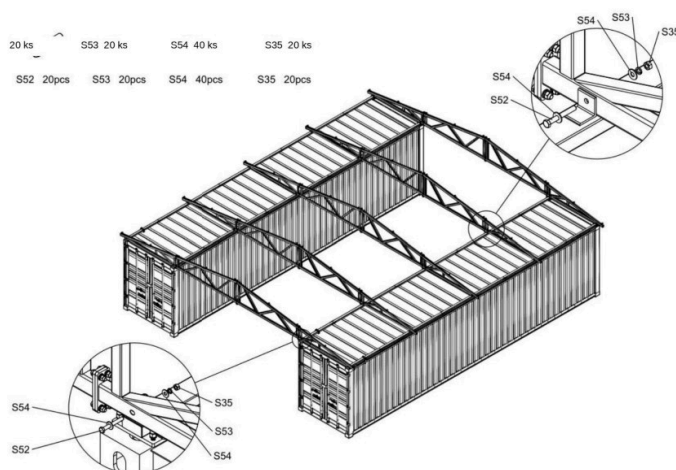


Fig. 3 - Fitting the cross beams on the containers

According to Fig. 3, fit the roof cross beams on the square tubes on the containers using S52/S54/S53/S35.

2.3

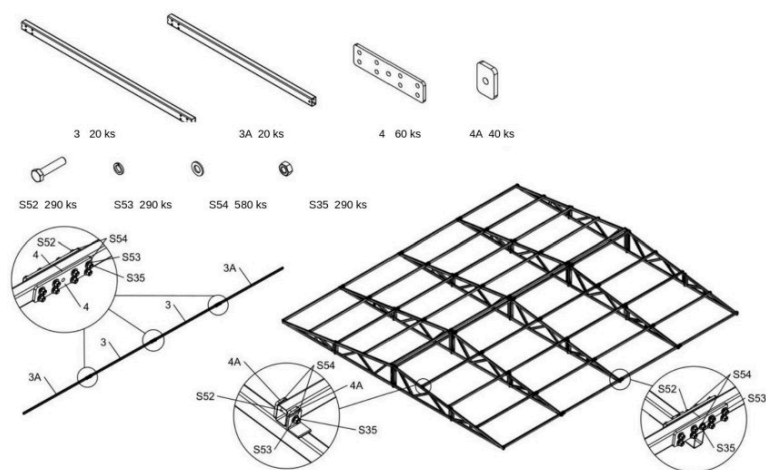


Fig. 4 - Fitting the purlins

According to Fig. 4, join the purlins (No. 3/No. 3A) together using 2× plate (No. 4) with S52/S54/S53/S35 – 10 such purlin groups in total. Connect the purlins from the inside to the cross beam using S52/S54/S53/S35. At the ends, connect the purlins to the cross beam with a plate (No. 4A) using S52/S54/S53/S35. Install all purlins one by one.

INSTALLING THE ROOF COVERING ON THE FRAME

3.1

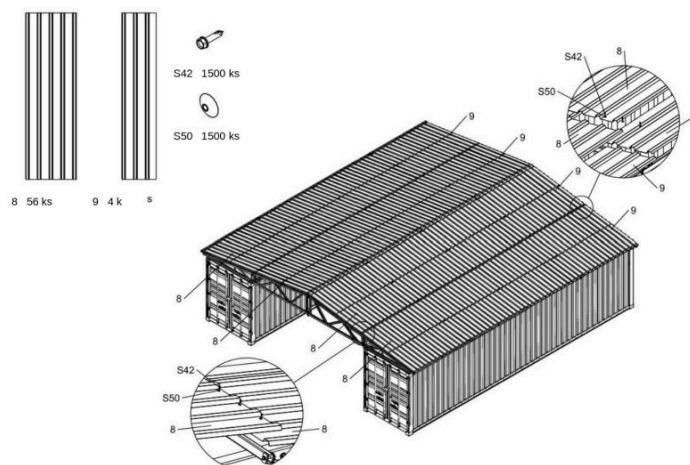


Fig. 5 – Roof sheets W1 (No. 8) and W2 (No. 9)

According to Fig. 5, install the roof sheets W1 (part No. 8) on the frame one by one using S42/S50. Then install the roof sheets W2 (part No. 9), 4 pcs, at the end of the roof using S42/S50.

3.2

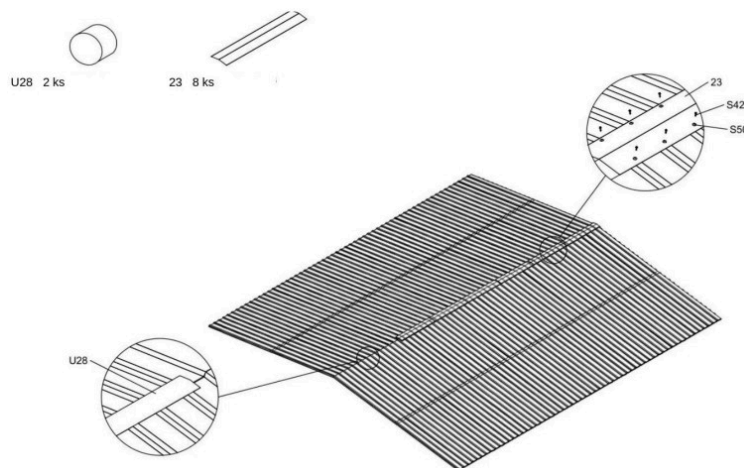


Fig. 6 – Ridge cap No. 23 and waterproof tape U28

According to Fig. 6, install the middle roof ridge cap (part No. 23) using S42/S50. Use waterproof tape U28 on the roof ridge.

3.3

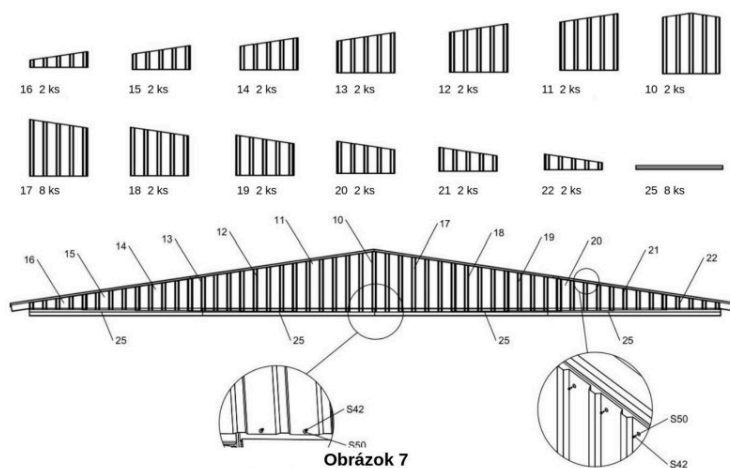


Fig. 7 - Front and rear wall (sheets No. 10-22, bottom trim No. 25)

According to Fig. 7, install the front and rear walls made of coloured steel sheets (parts No. 10-22) on the cross beam using S42/S50. Install the bottom trim (part No. 25) on the lower edge of the front and rear walls, also using S42/S50.

3.4

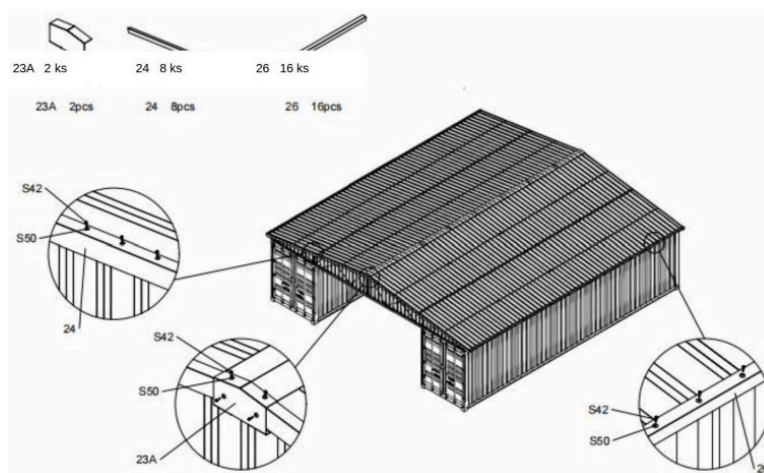


Fig. 8 - Trims No. 23A, 24 and 26

According to Fig. 8, install the front wall trims and side trims (parts No. 23A/24/26) on the cross beam using S42/S50.

MAINTENANCE

MAINTENANCE AND CARE

EXTERIOR CARE

For a long-lasting finish, clean and wax the exterior surface. We recommend washing with a mild soap solution. Do NOT use pressure washing for cleaning. In humid or coastal environments, we strongly recommend regular application of spray car wax.

Store flammable and corrosive substances in airtight containers intended for chemicals or flammables. Remove corrosive chemicals such as fertilisers, pesticides and herbicides from inner and outer surfaces immediately. Preventive measures against rust can help prevent it or stop it quickly once it appears.

- Avoid chipping or scratching the coating on the inside and outside.
- Keep the roof and the base perimeter free of dirt and leaves, which retain moisture and release acid as they decompose.
- Repair scratches, chips and any visible rust as soon as possible. The surface must be free of moisture, oil, dirt and grease; apply an even film of good-quality touch-up paint.
- If surface rust appears, treat it as soon as possible with a rust treatment and cover product according to its manufacturer's instructions.
- Roof: keep it free of leaves and snow. A large amount of snow can damage the structure and make it unsafe to enter.
- Fasteners: check them regularly and tighten as necessary.
- Wash printed part numbers off the coated sheets with soap and water.



KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.



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Contact us with any questions about assembly.