ASSEMBLY INSTRUCTIONS

Top quality from Japan

Metal shed Osaka

The assembly video can be found on: www.finnhaus.de

Finnhaus COMFORT LINE

ASSEMBLY INSTRUCTIONS OSAKA

ASSEMBLY OF THE BASEMENT AND CROSS-BEAM

The basement and the cross-beam must be layed together as in the plan.

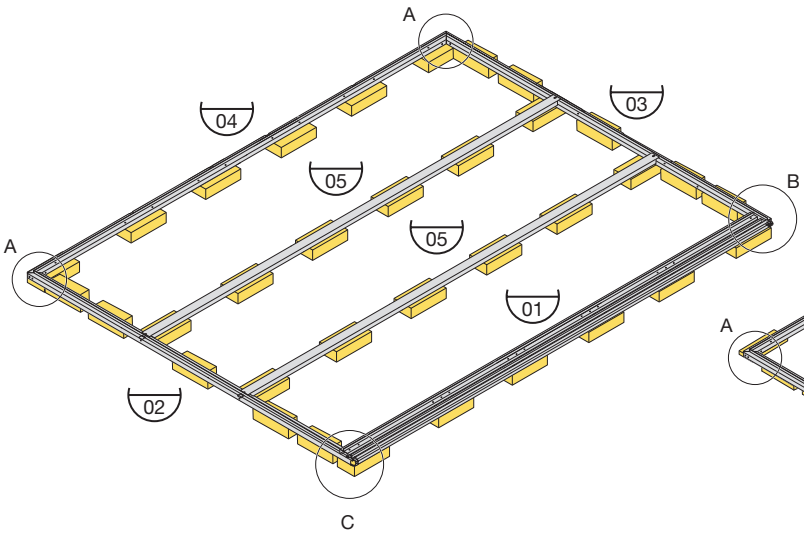
Required accessories

Pce no.	Article	Qty
01	Base frame, in front	1
02	Base frame, left	1
03	Base frame, right	1
04	Base frame, rear	1
05	Cross-beam	2
-	Metal fitting for corner basement, front left	1
-	Metal fitting for corner basement, front right	1
-	Metal fitting for corner basement, rear	2

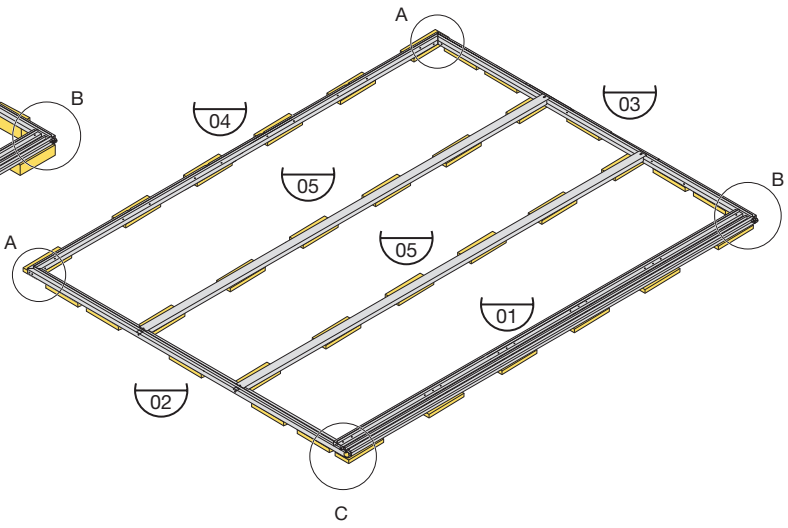
To guarantee the shed stands correctly it requires a good foundation. (More information can be found in our leaflet).

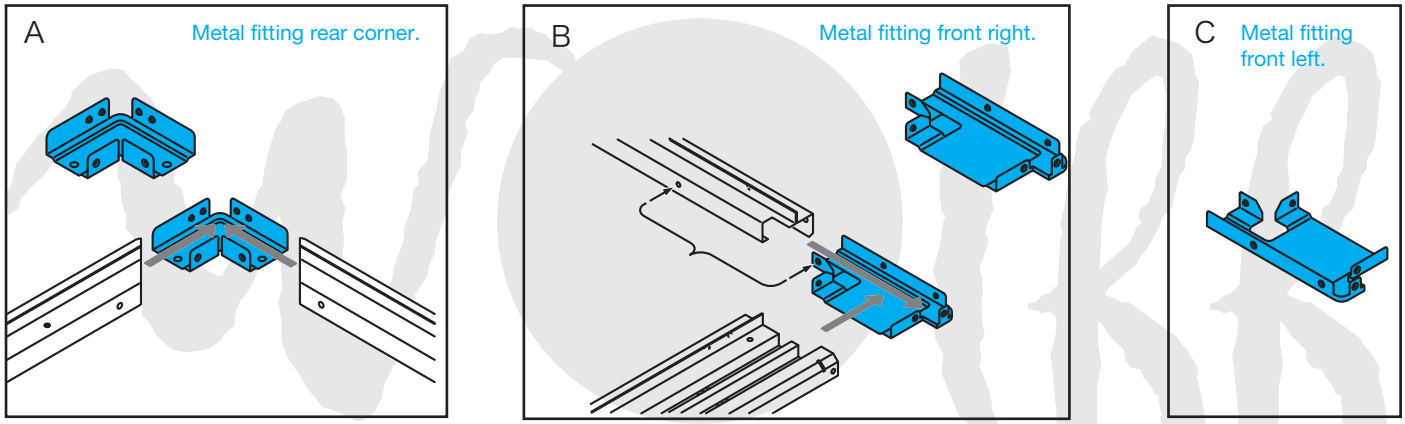
The shed must be built raised from the ground to insure that the rain water can run underneath.

Front view with bricks used as foundation.



Front view with plastic plates used as foundation. Supplied with house.





Drive the metal fittings on the frame, so that the holes conform.

ASSEMBLY INSTRUCTIONS OSAKA

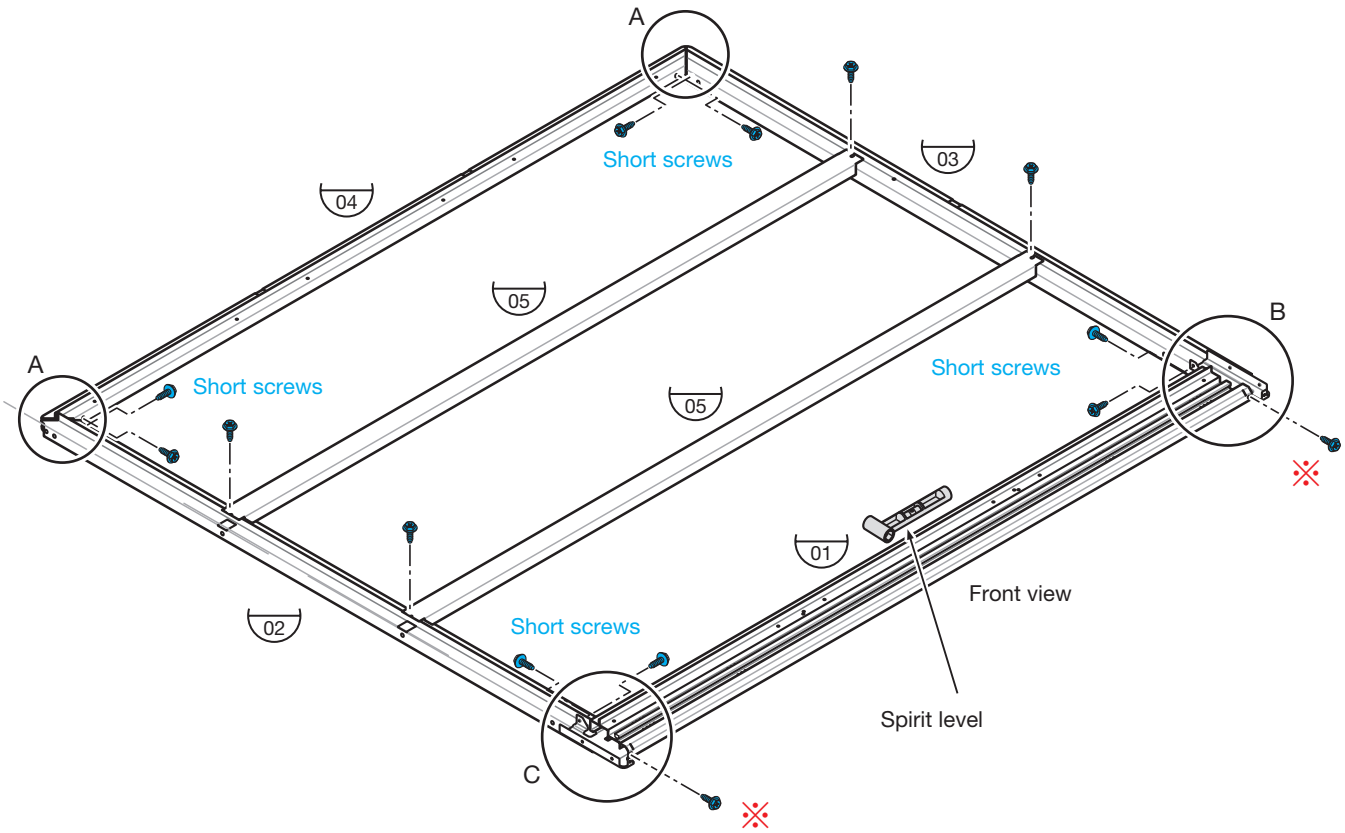
FITTING OF THE BASE FRAME AND THE CROSS-BEAM

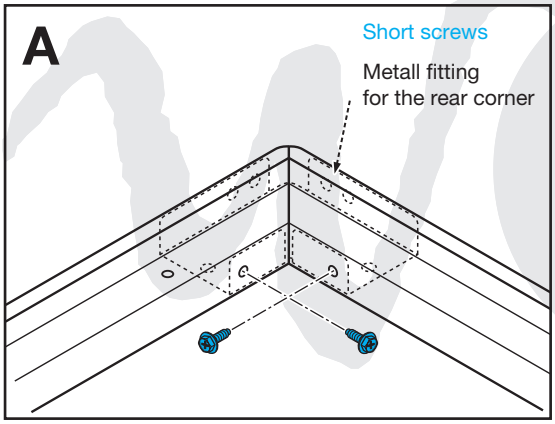
Attention: Please insure that all the base frame parts are level, so that after completion the door opens and closes easily.

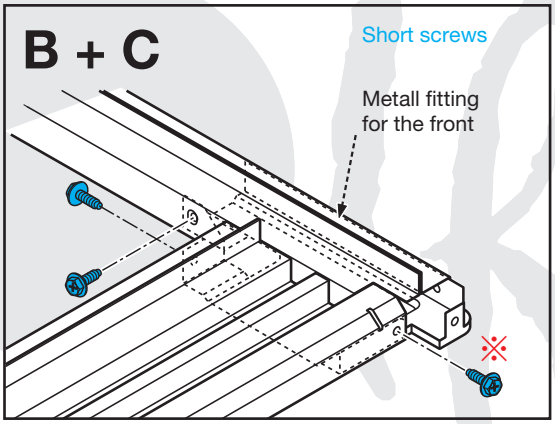
After the frame has been checked that it is level the two screws marked ※ can then be secured, checking that there are no gaps in between the frame parts.

Required accessories

Pce no.	Article	Qty
-	Short screws	14
-	Spirit level	1







ASSEMBLY INSTRUCTIONS OSAKA

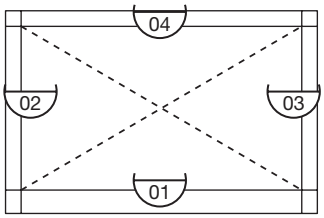
ASSEMBLY OF THE CORNER POST

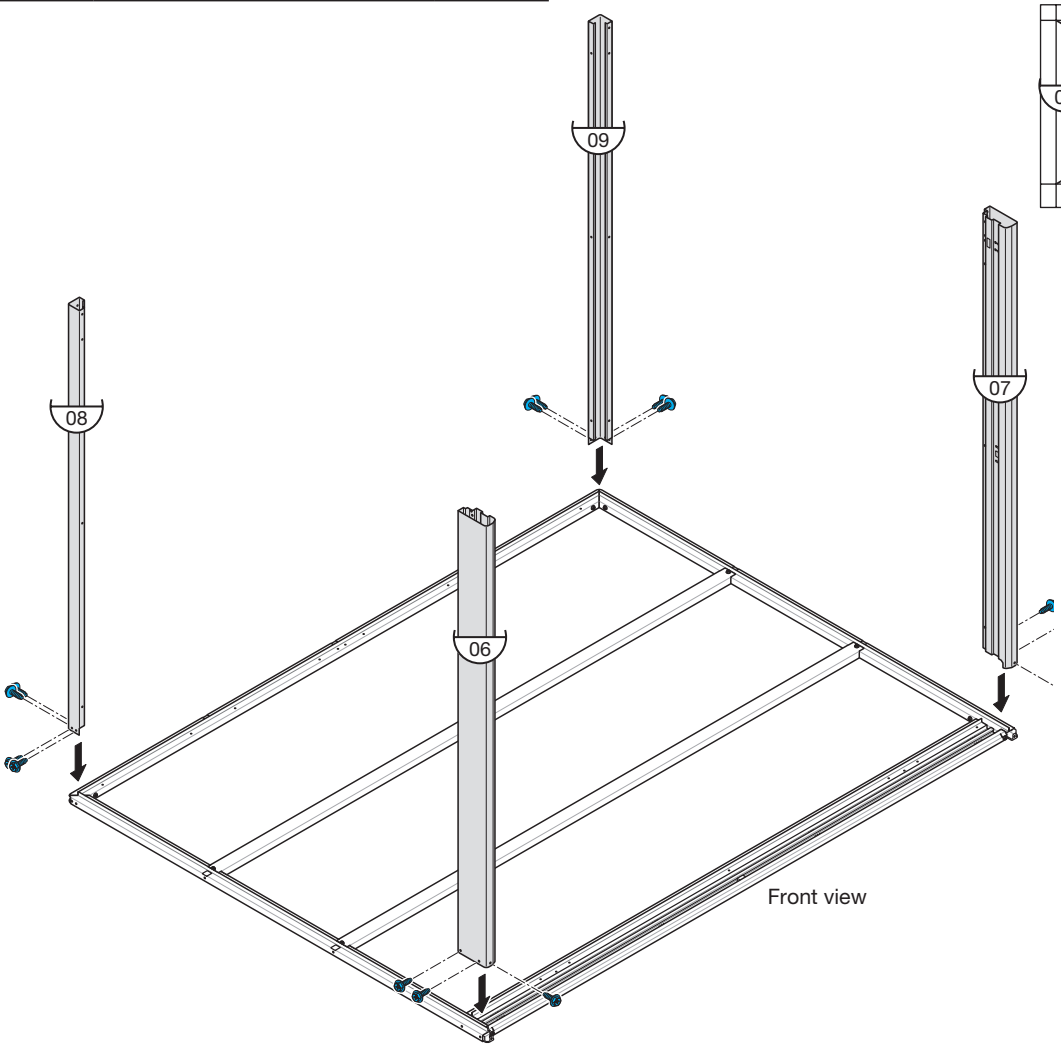
Required accessories

Pce no.	Article	Qty
06	Corner post, front left	1
07	Corner post, front right	1
08	Corner post, rear left	1
09	Corner post, rear right	1
-	Short screws	14

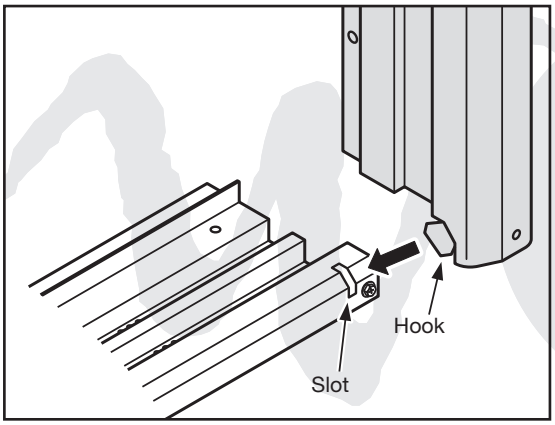
ATTENTION:
To maintain that everything is at a right angle check the length of diagonals are exactly the same.

Please check that all the edges of the frames are together. Otherwise the ground panels may not fit.

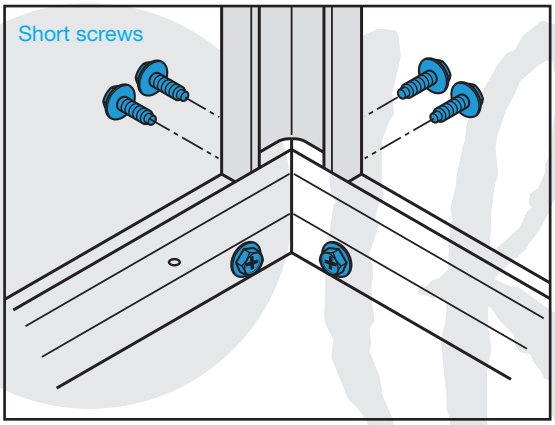




Front view



Put the hook in the slot.



Tighten all the screws.

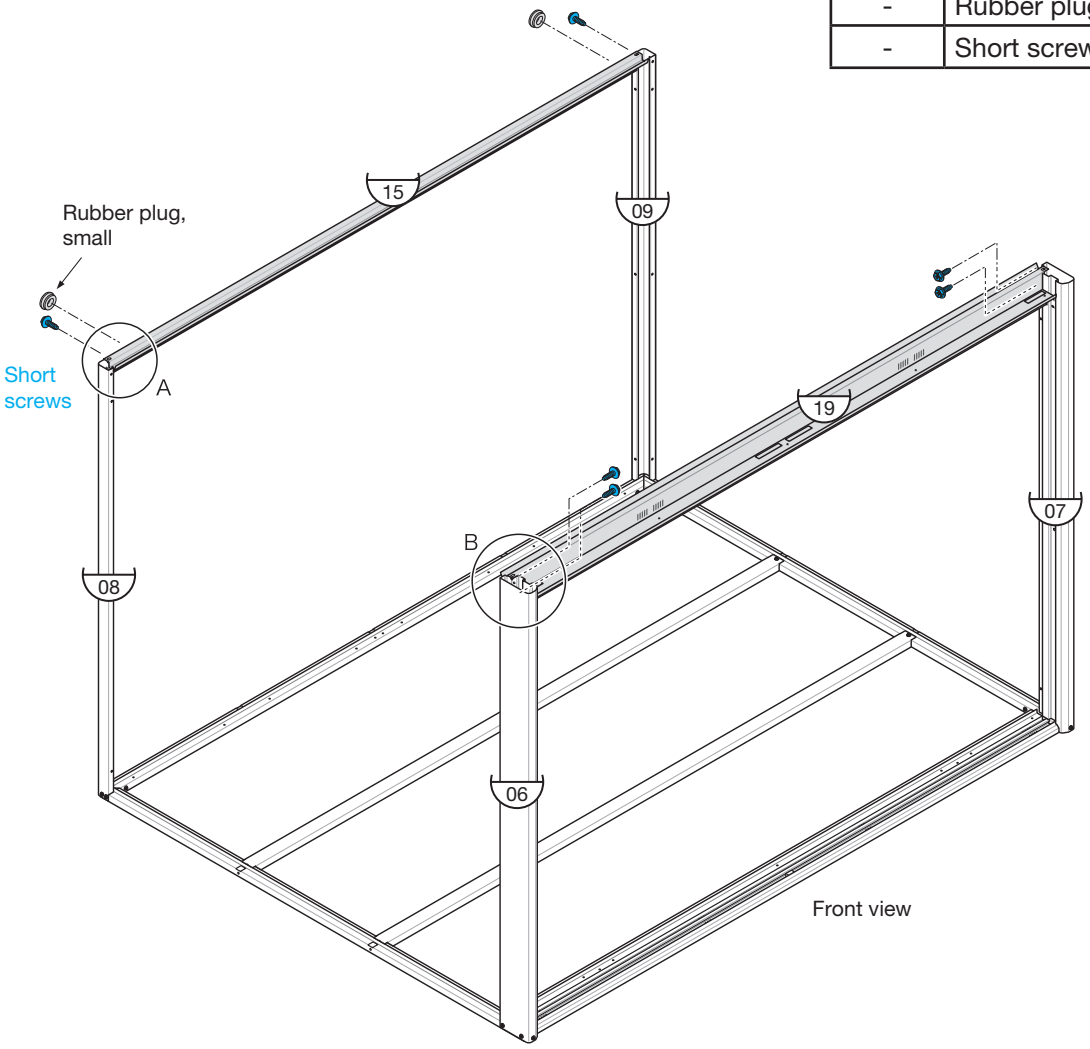
ASSEMBLY INSTRUCTIONS OSAKA

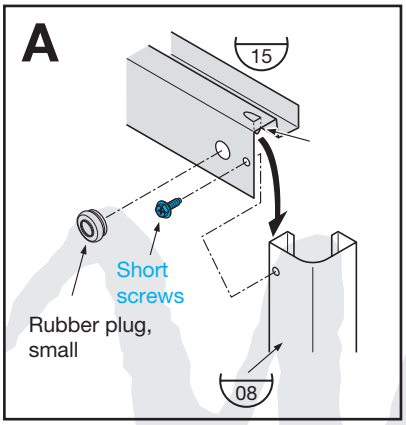
ASSEMBLY OF THE REAR AND FRONT ROOF FRAME

After fitting the rear top framework please fit the smaler rubber grommets (these holes are for electric cable).

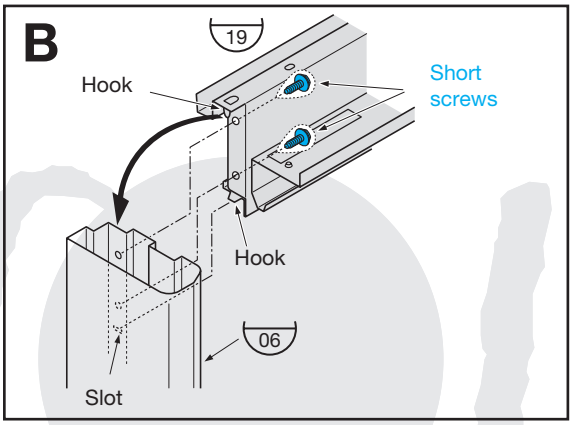
Required accessories

Pce no.	Article	Qty
15	Roof frame, rear	1
19	Roof frame, front	1
-	Rubber plug, small	2
-	Short screws	6





Hook the top rear frame in both corner post slots and screw tightly.



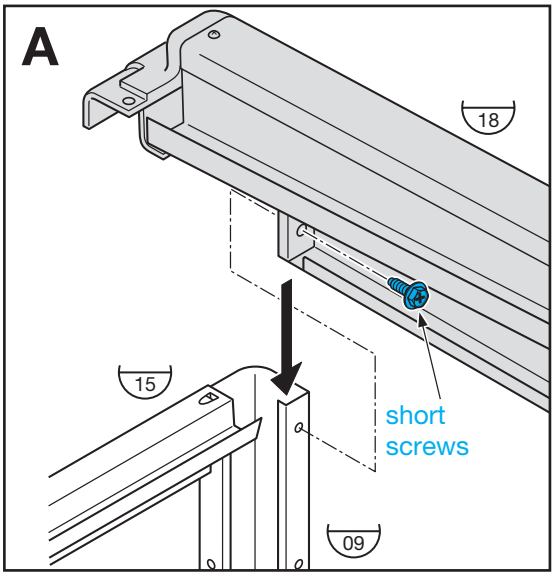
Hook the top over the front corner post lip. Fit bottom hook in slot and secure with two short screws.

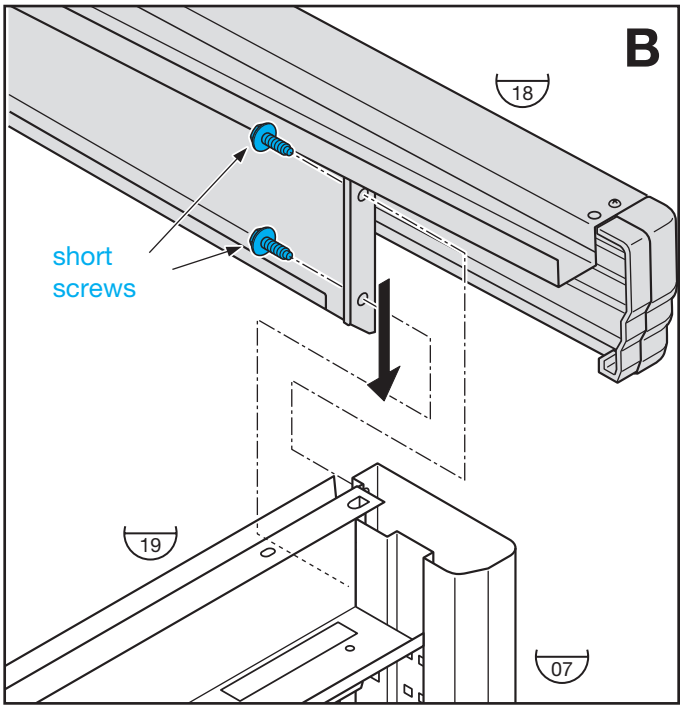
ASSEMBLY INSTRUCTIONS OSAKA

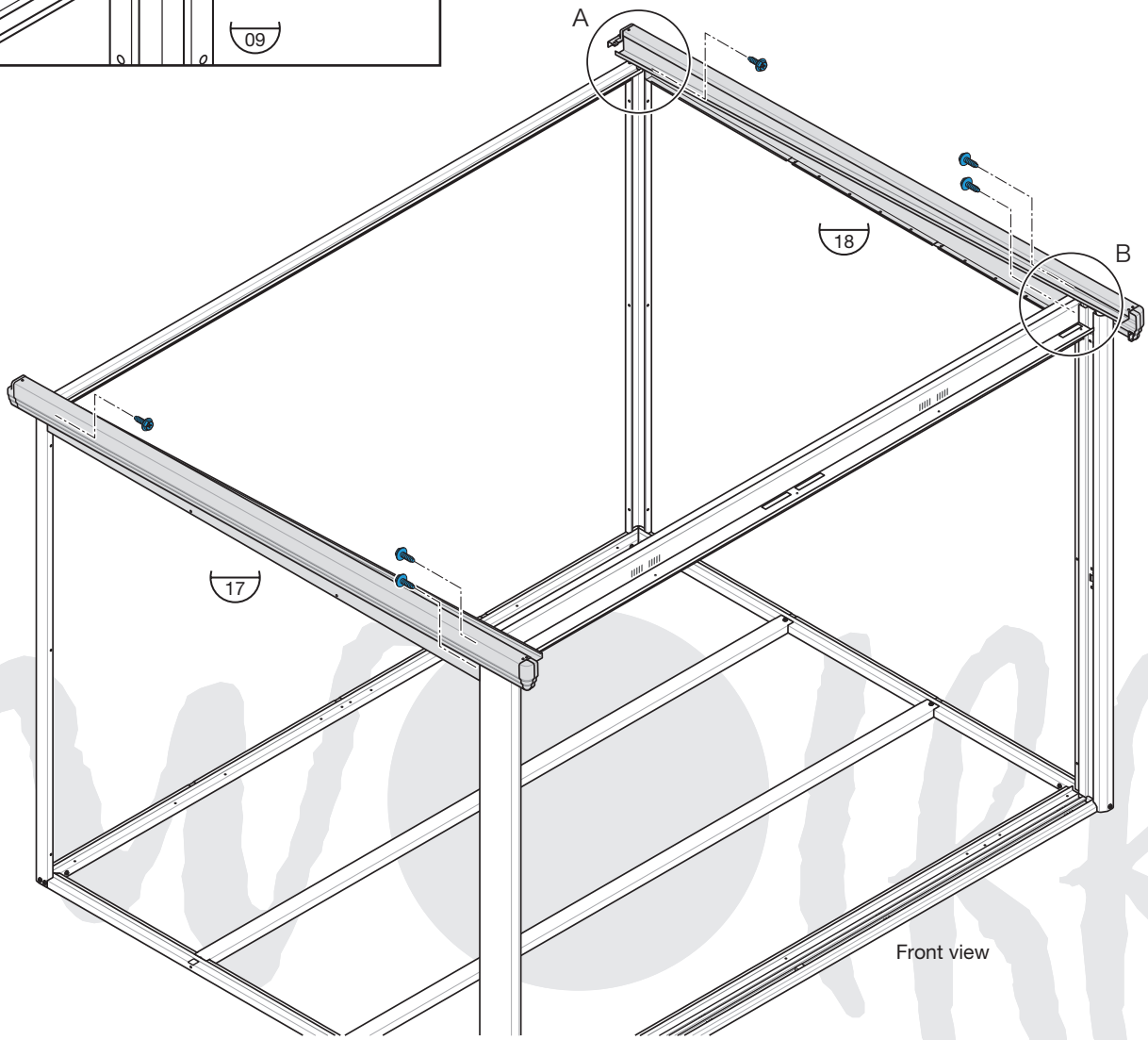
ASSEMBLY OF THE LEFT AND RIGHT DECORATIVE COVER

Required accessories

Pce no.	Article	Qty
17	Decorative cover, left	1
18	Decorative cover, right	1
-	Short screws	6







ASSEMBLY INSTRUCTIONS OSAKA

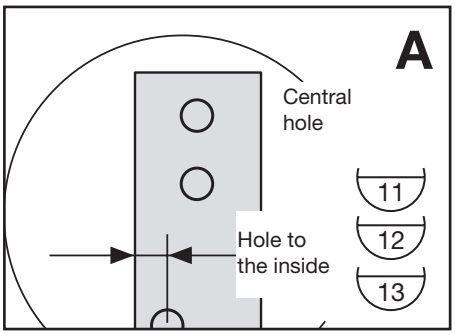
ASSEMBLY OF THE CENTRAL WALL STRENGTHENERS FOR THE LEFT, RIGHT AND THE REAR

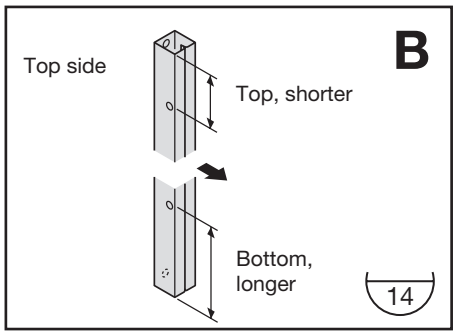
Please fit the wall strengthener provisionaly.

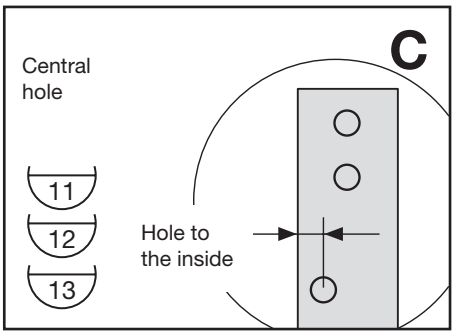
Screw the metal holder for the gutter to the central post (14).

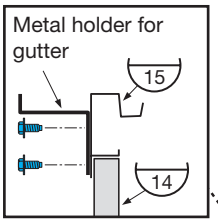
Required accessories

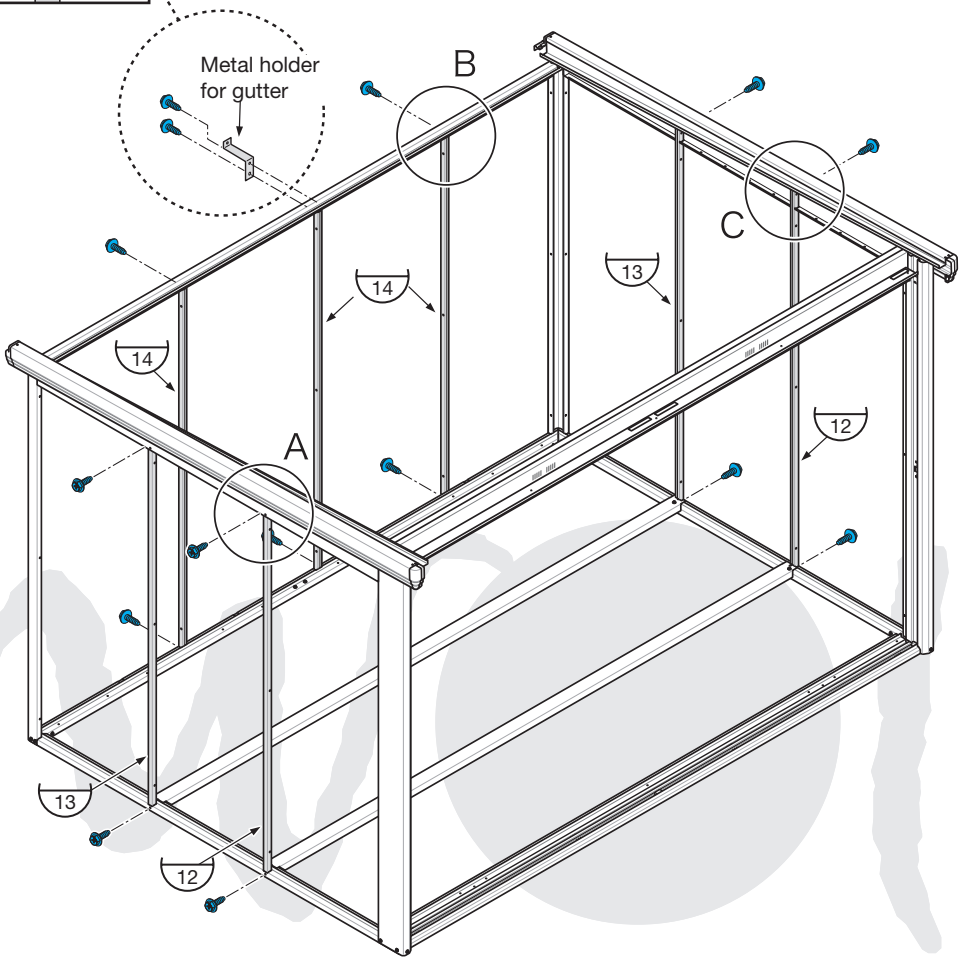
Pce no.	Article	Qty
(12) (13)	Central wall strengthener, left, right	2/2
(14)	Central wall strengthener, rear	3
-	Metal holder for gutter	1
-	Short screws	15

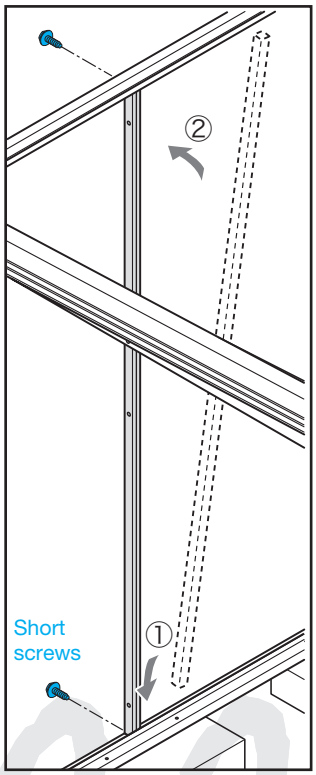


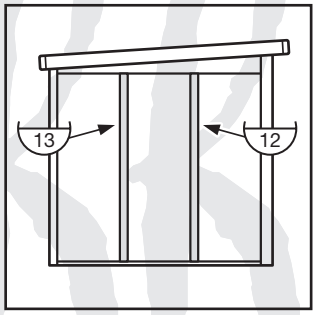












Side view

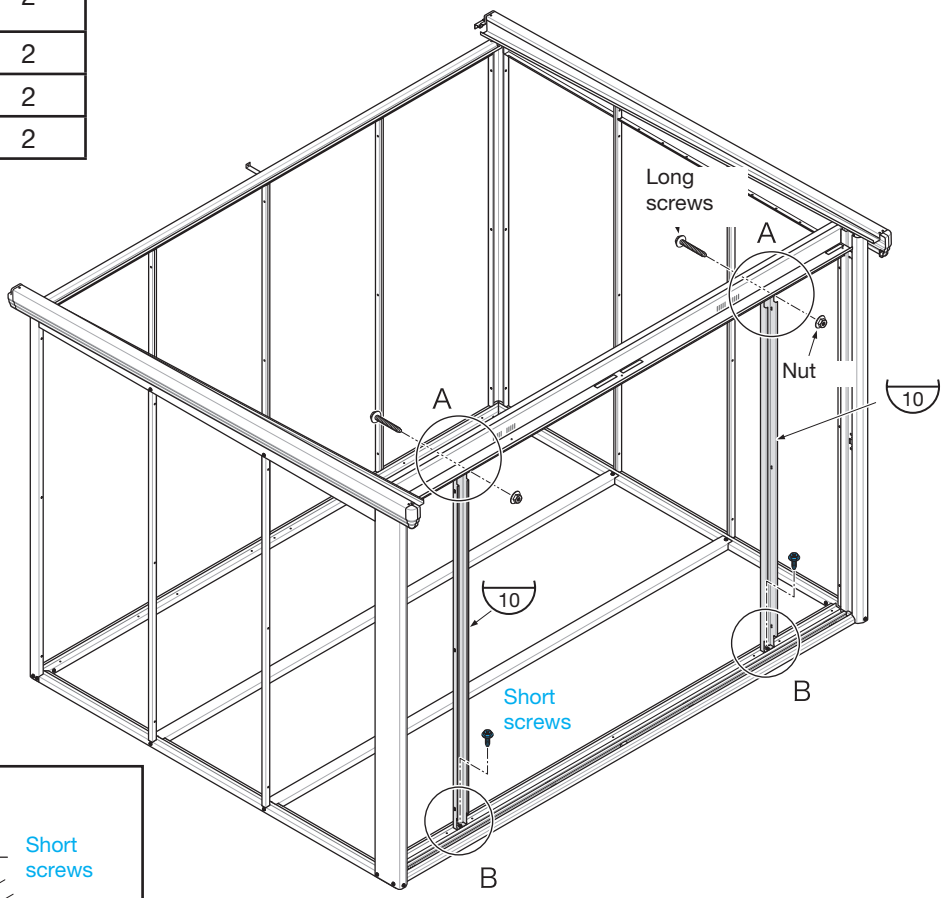
ASSEMBLY INSTRUCTIONS OSAKA

ATTENTION!
Don‘t forget to secure the top of the strengthener.

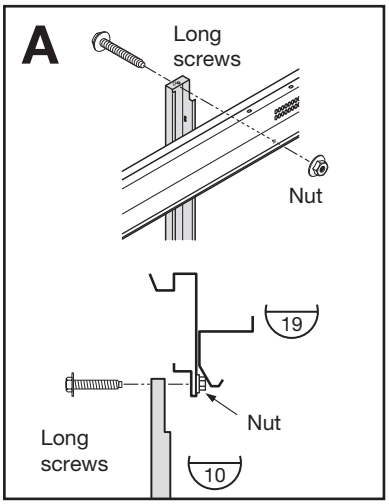
ASSEMBLY OF THE CENTRAL WALL STRENGTHENERS IN FRONT

Required accessories

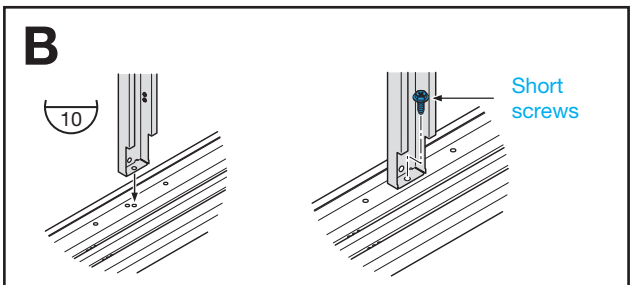
Pce no.	Article	Qty
10	Central wall strengthener, front	2
-	Long screws	2
-	Short screws	2
-	Nut	2



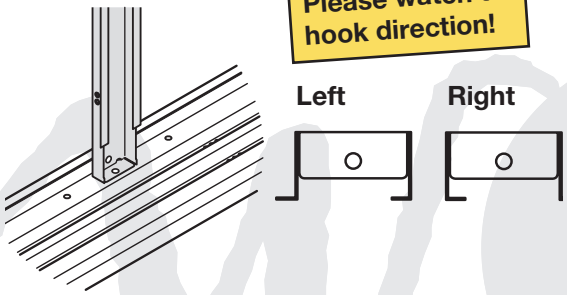
Upper Attachement



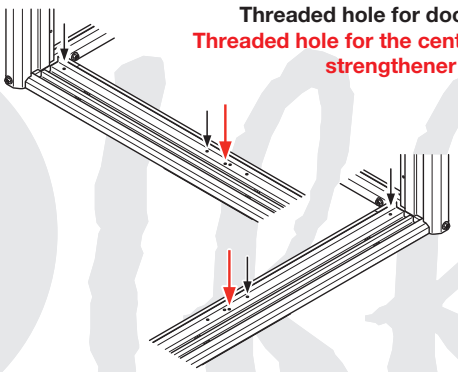
Lower Attachement



The base of the strengthener is pressed and secured into the third hole of the corner post.



For a door opening left: The strengthener is turned over and is secured on the baseframe 01 in the third hole from left.



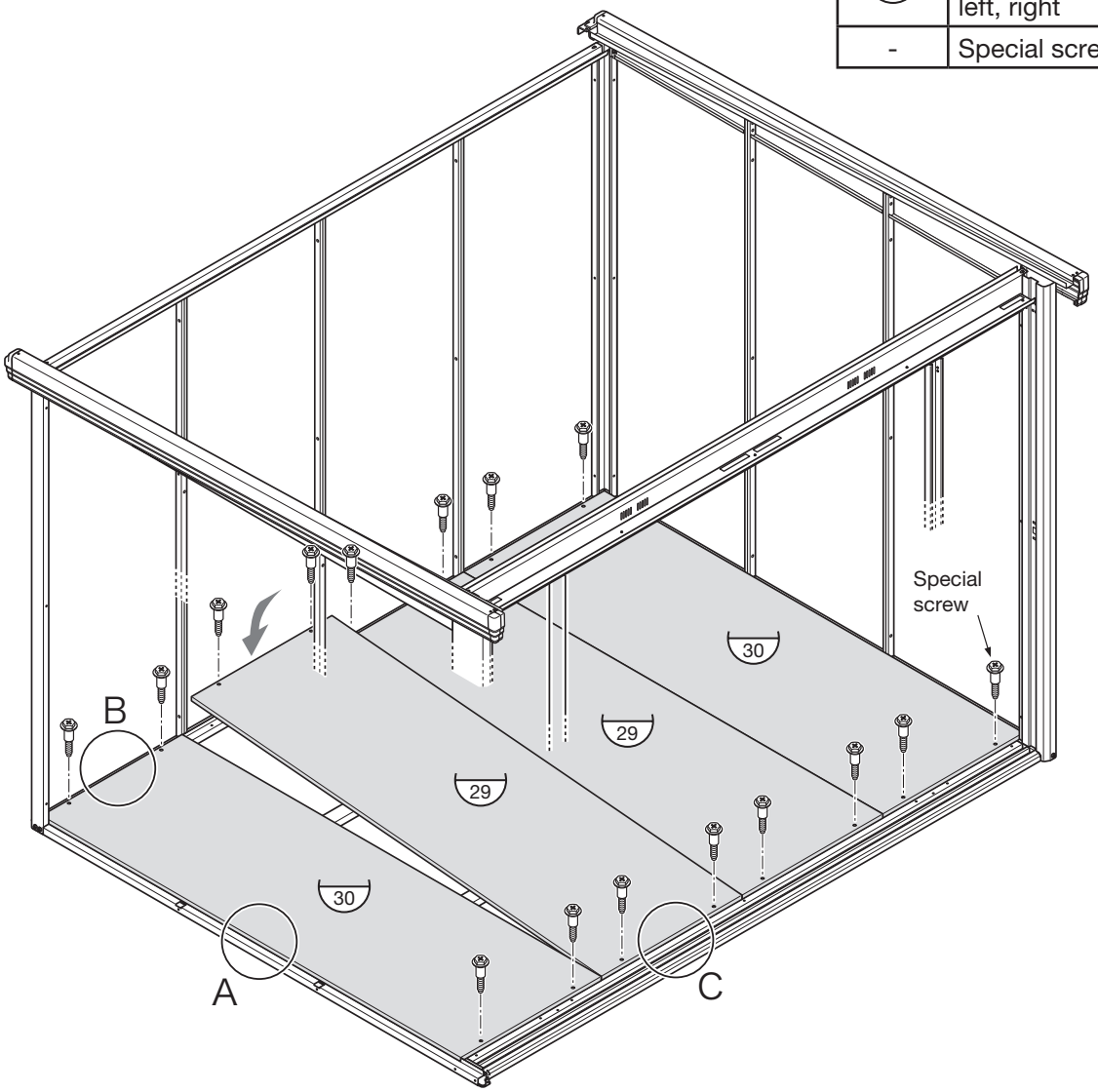
Counting from corner post use third hole.

ASSEMBLY INSTRUCTIONS OSAKA

ASSEMBLY OF THE GROUND PANEL

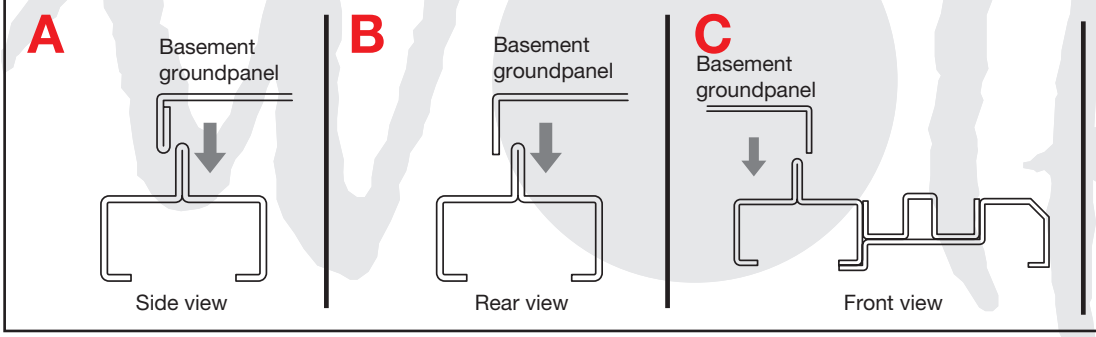
Required accessories

Pce no.	Article	Qty
29	Central Ground panel	2
30	Ground panel left, right	2
-	Special screw	16



The front of the ground panel (C) to be mounted over ledge of gutter.

Please use the special srews. (If the screws do not fit exactly please take a look on page 27 (3) **Tips for Assembling**)



ASSEMBLY INSTRUCTIONS OSAKA

ATTENTION!
Before mounting the roof fill holes with snow plugs.

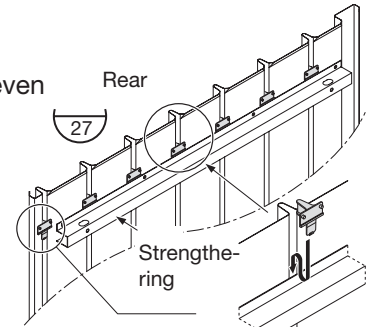
ASSEMBLY OF THE ROOF PANELS

Required accessories

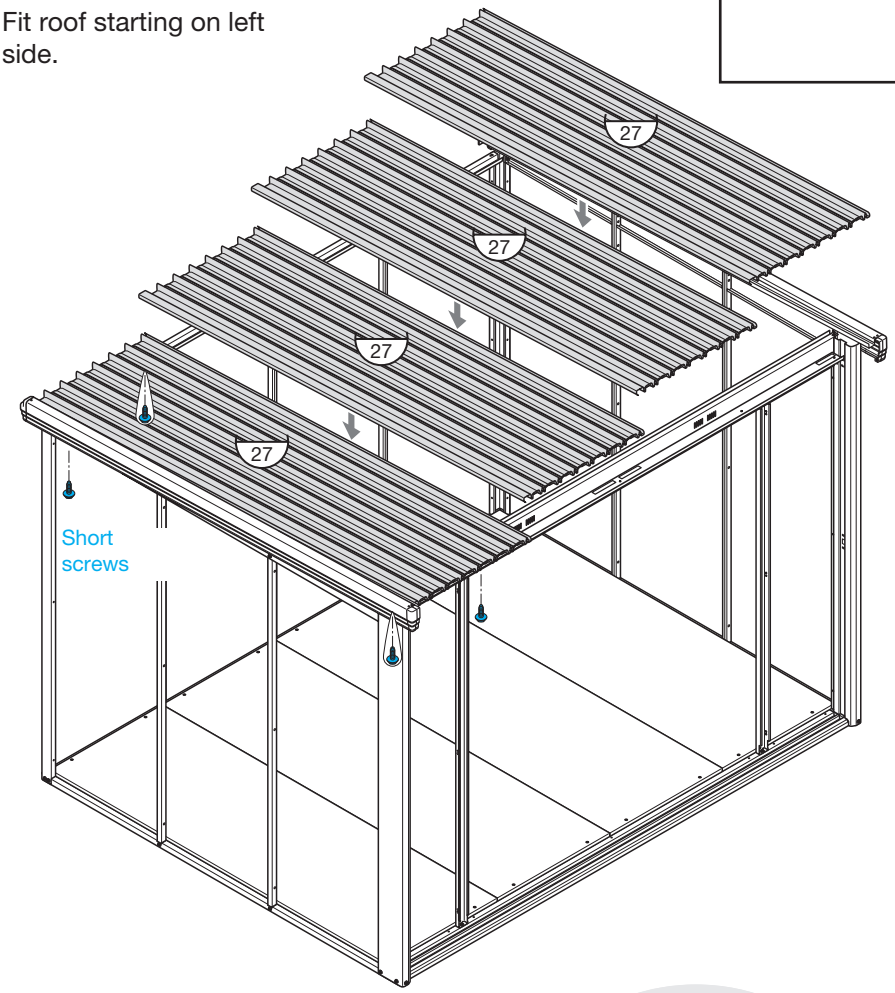
Pce no.	Article	Qty
27	Roof panel, big	4
-	Short screws	16
-	Snow plug (4 Bags)	28

A

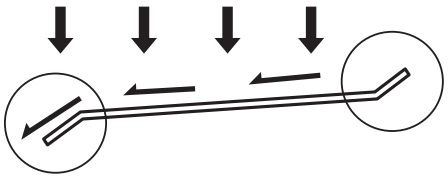
A bag with each roof panel 27 contains seven snow plugs. Remove glue covering and fit as shown.



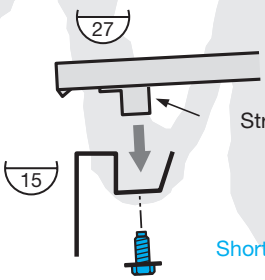
Fit roof starting on left side.



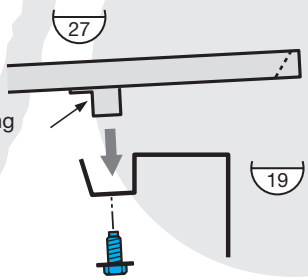
Slop roof down to rear so that rain can drop off there.



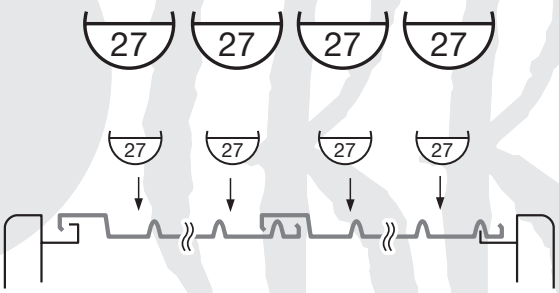
Rear



Front



Fit roof in this order.



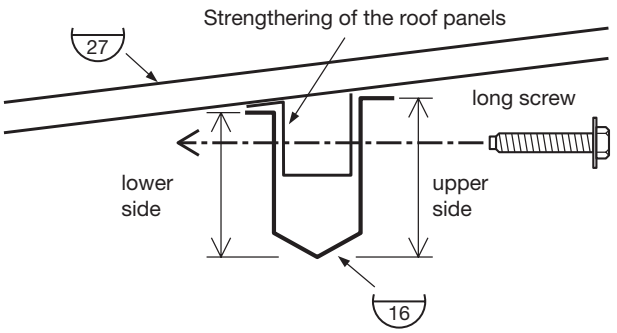
ASSEMBLY INSTRUCTIONS OSAKA

ASSEMBLY OF THE ROOF STABILISER

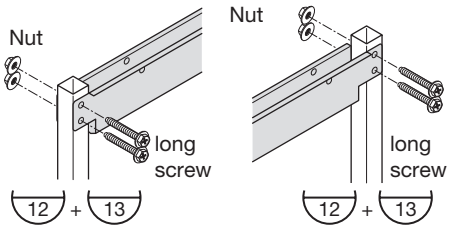
Required accessories

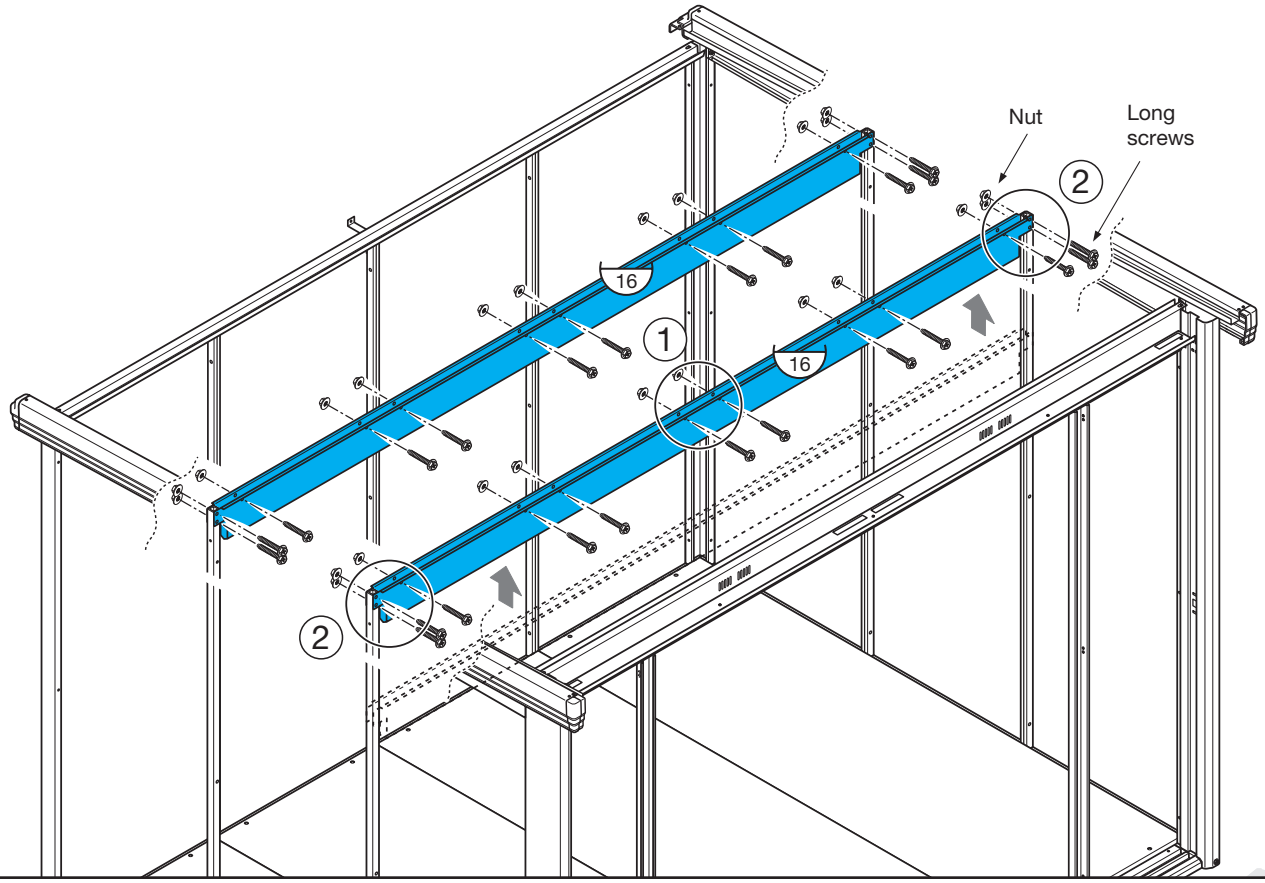
Pce no.	Article	Qty
16	Roof stabiliser	2
-	Long screws and nuts each with	24

1. Lift the roof stabilisator and secure with two long screws central holes.

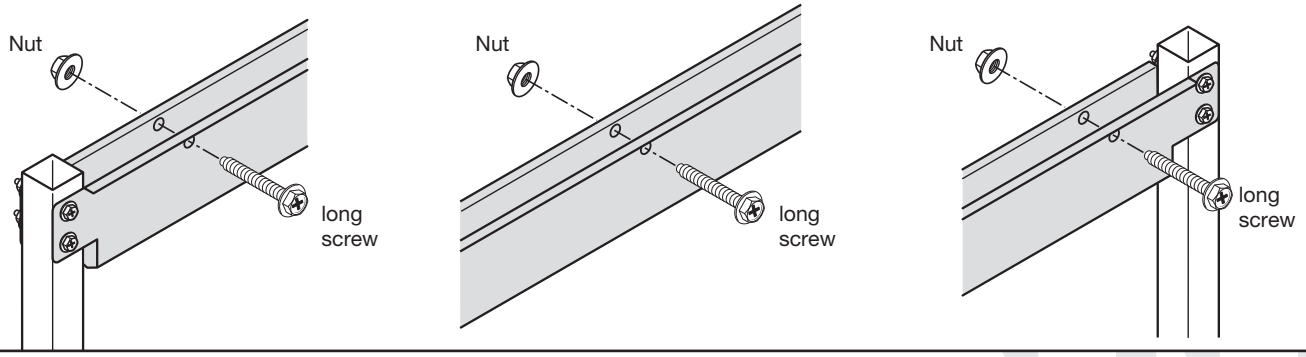


2. Fix both ends of the stabilisator with nuts and bolts.





3. Please check all nuts and bolts are tight.



ASSEMBLY INSTRUCTIONS OSAKA

ASSEMBLY OF THE SIDE WALL PANELS

Required accessories

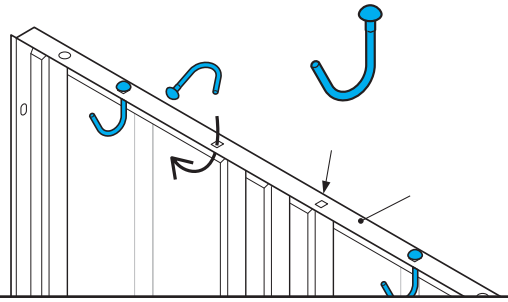
Pce no.	Article	Qty
20	Side wall panel big	10
-	Hooks out of aluminium	3
-	Short screws	18
-	Long screws and nuts	21

1. BEFORE ASSEMBLING

Only the hooks within the red markings can be moved when the shed is finished. Please decide – before the shed is build up – where the hooks should be.

Attaching the hooks

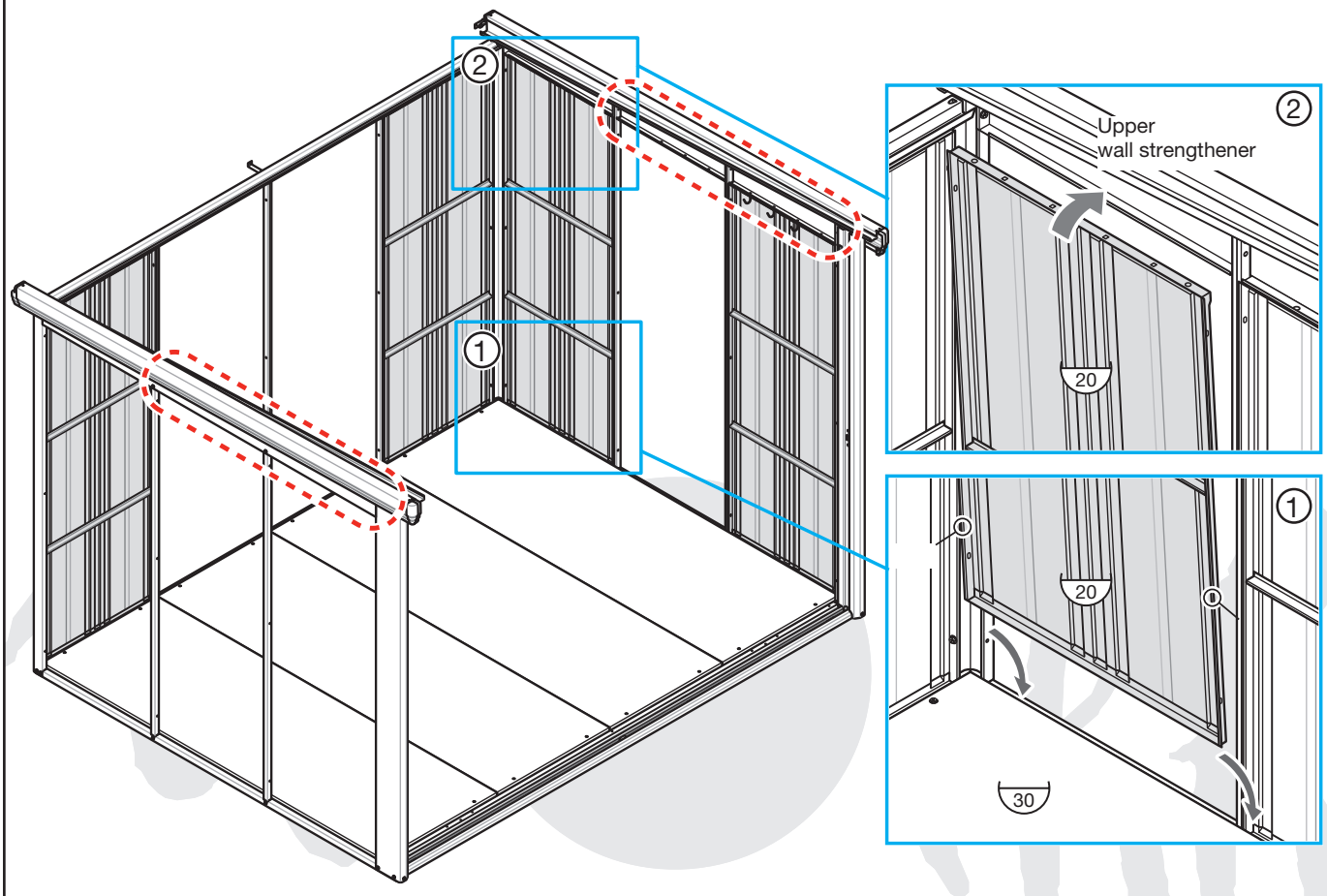
The hooks can be mounted in the holes of the large or small sides of the panels but with a max. of 2 kg per hook.



2. MOUNT

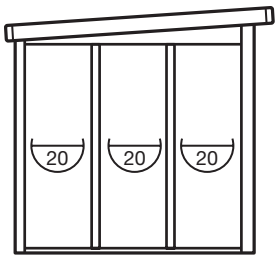
1. Place the bottom of the panels in the base frame.
2. Lift top of place between posts.

While assembling the side wall panels do not let them go, before they are not provisorily bolted. They might fall down and hurt someone.

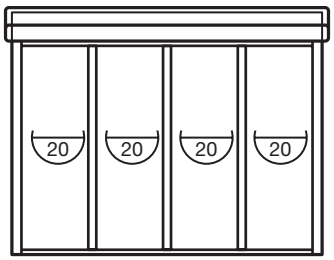


ASSEMBLY INSTRUCTIONS OSAKA

ASSEMBLY OF THE SIDE WALL PANELS



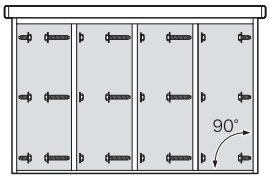
Side view



Rear view

1. SIDE WALL PANELS, REAR

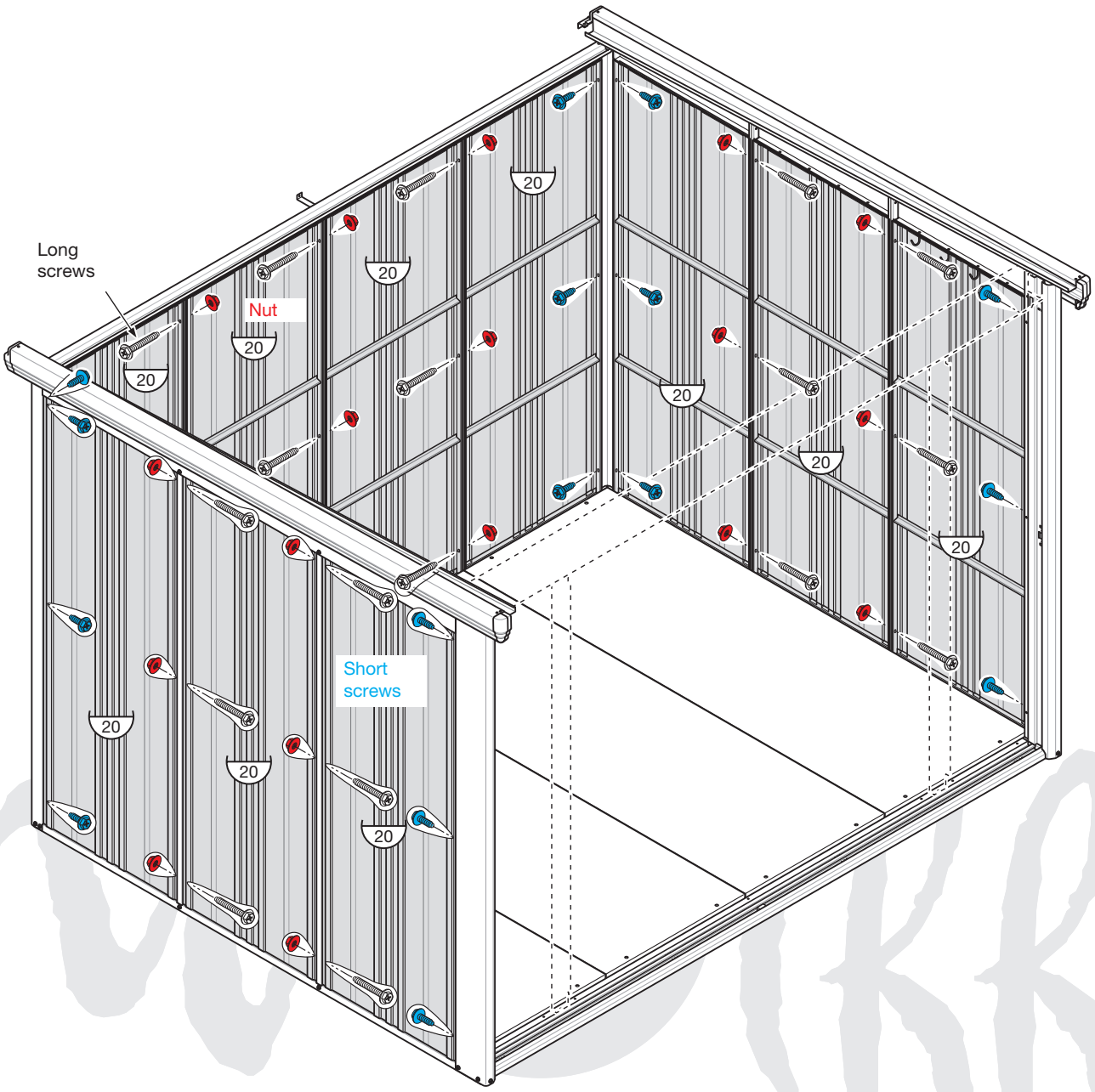
Please check the right angle of 90 ° between the base frame and the posts.



2. BOLTING

In corner posts secure with short srews, all the strengtheners with long nuts and bolts and strengthen, then fix strengtheners.

First fix panels to corner posts provisionally and tighten all the screws.



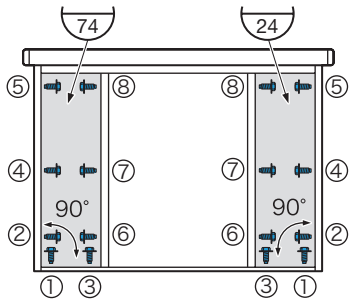
ASSEMBLY INSTRUCTIONS OSAKA

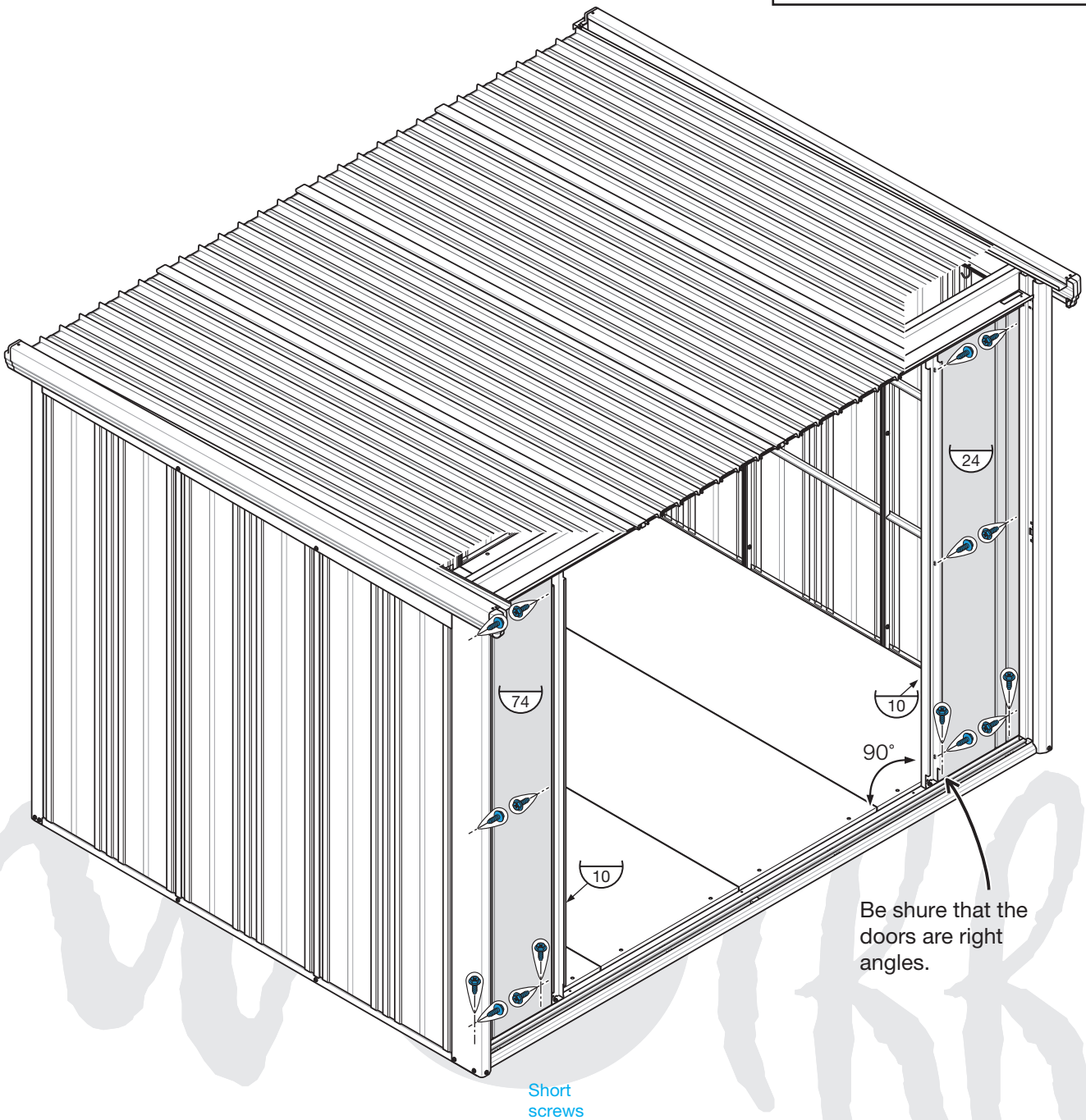
ASSEMBLY OF THE DOOR PANEL FOR OPENING AT THE RIGHT

Required accessories

Pce no.	Article	Qty
24 74	Side wall panel big, front right and left	1/1
-	Short screws	16

Please fit the screws as shown.



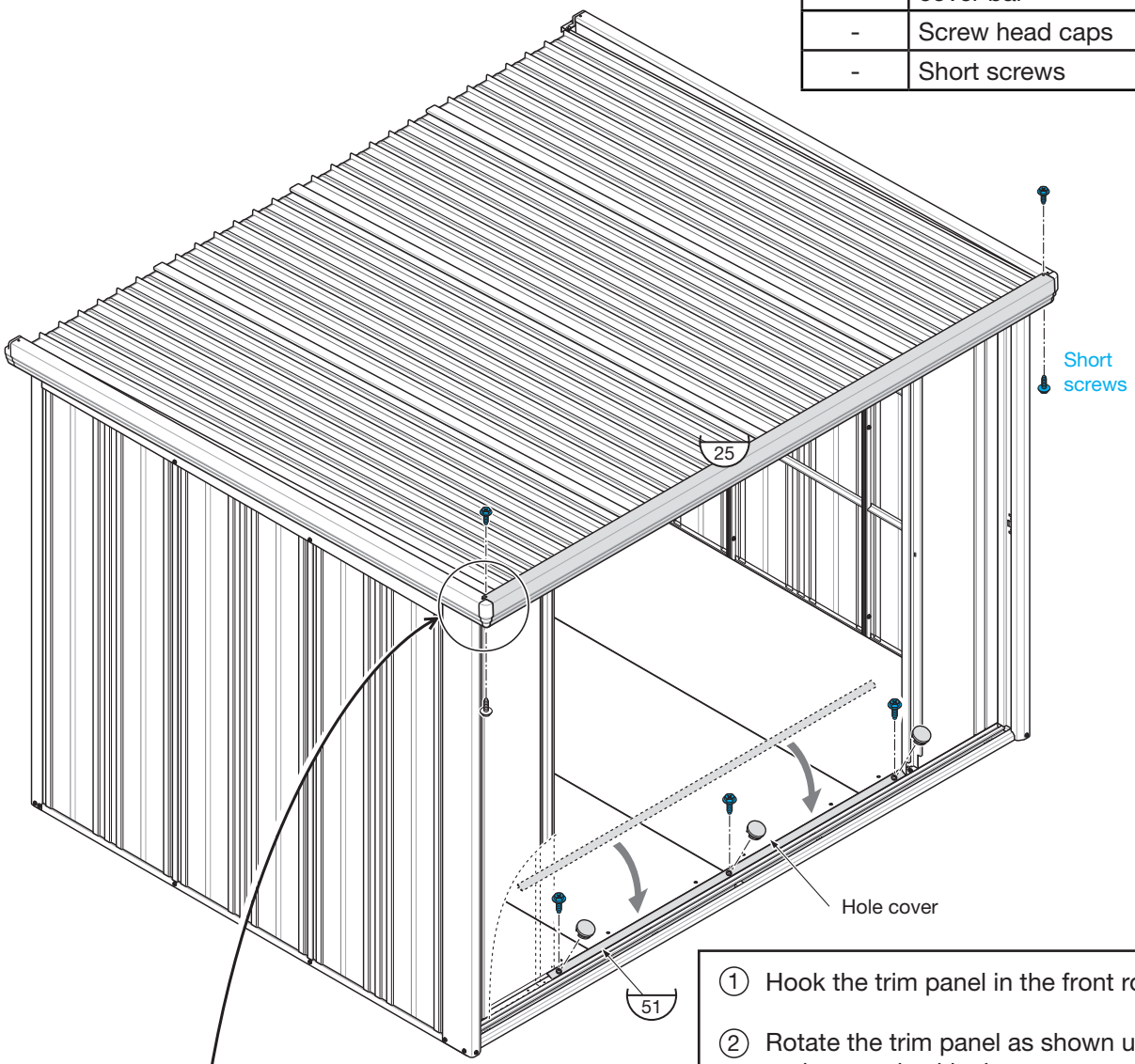


ASSEMBLY INSTRUCTIONS OSAKA

ASSEMBLY OF THE FRONT DECORATIVE COVER AND THE HEIGHT COMPENSATION COVER BAR

Required accessories

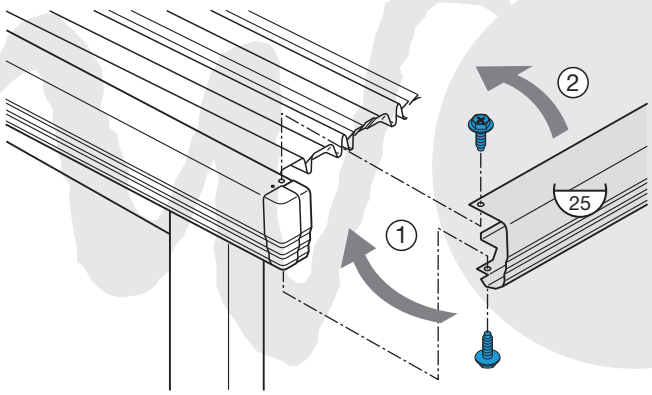
Pce no.	Article	Qty
25	Decorative cover, front	1
51	Height compensation cover bar	1
-	Screw head caps	3
-	Short screws	7

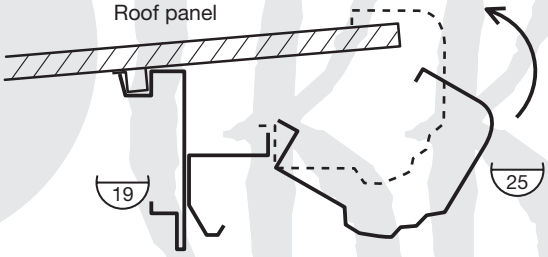


① Hook the trim panel in the front roof frame.

② Rotate the trim panel as shown up over the roof and secure it with short screws.

③ Secure the adjustment ledge with three short screws and hole caps.



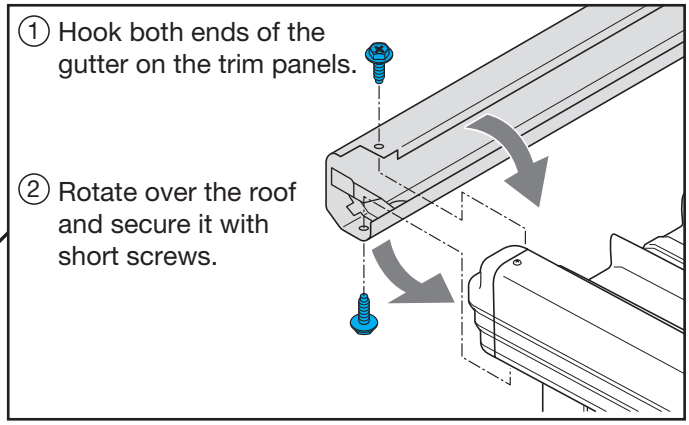


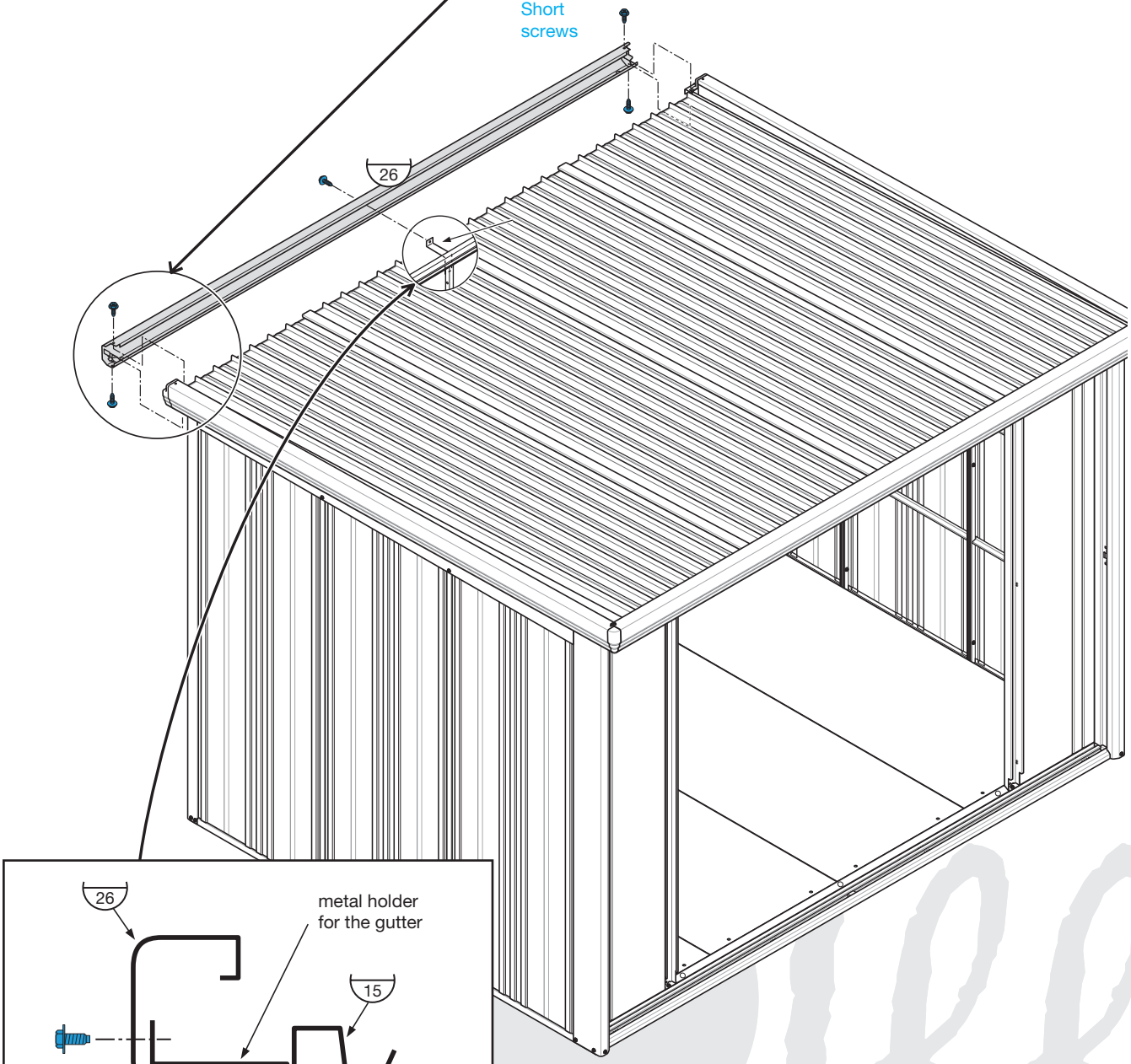
ASSEMBLY INSTRUCTIONS OSAKA

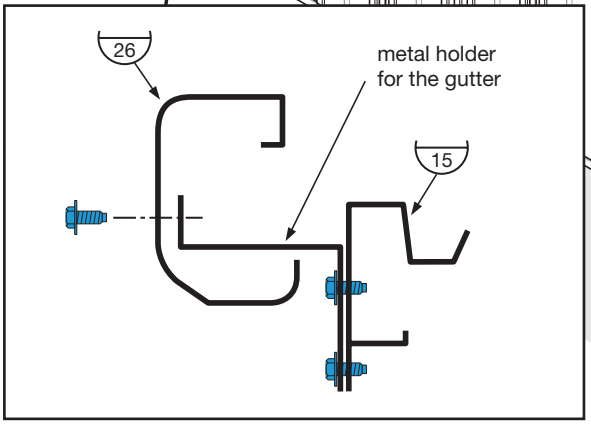
ASSEMBLY OF THE GUTTER

Required accessories

Pce no.	Article	Qty
26	Gutter	1
-	Short screws	5



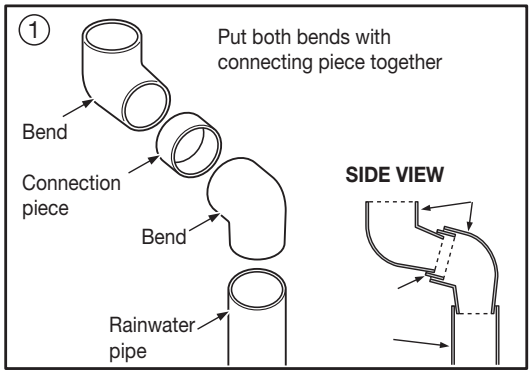


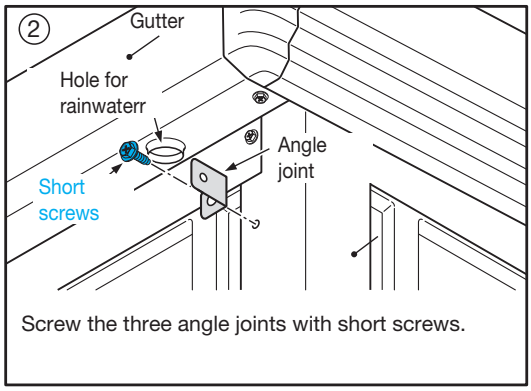


ASSEMBLY INSTRUCTIONS OSAKA

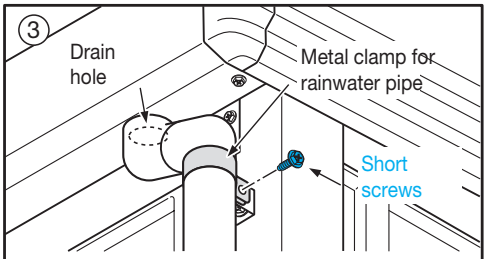
ASSEMBLY OF THE RAINWATER PIPE

Fit both down pipes left and right.



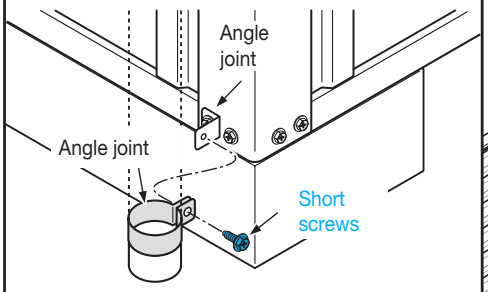


Screw the three angle joints with short screws.



Fit clamps over down pipe and attache both bends with connection piece to gutter.

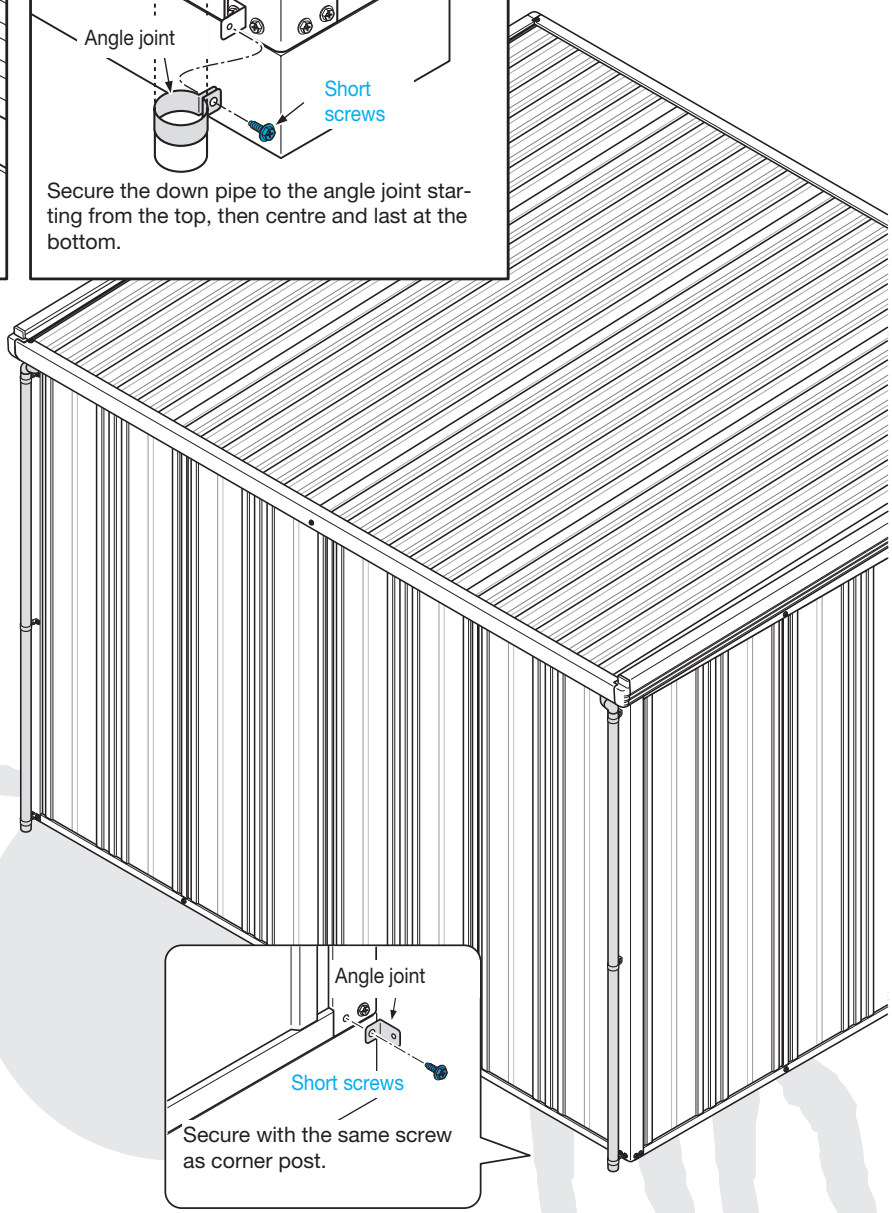
ATTENTION:
Please cut the rainwater pipe to the correct length BEFORE assembling it. The metal clamps have to be slid onto the rainwater pipe before mounting.



Secure the down pipe to the angle joint starting from the top, then centre and last at the bottom.

Required accessories

Pce no.	Article	Qty
-	Rainwater pipe and connection piece	2/2
-	Metal clamp and angle joint	6/6
-	Bend	4
-	Short screws	10



ASSEMBLY INSTRUCTIONS OSAKA

ATTENTION!
To build the left hand door, go to page 19 in this assembly instruction.

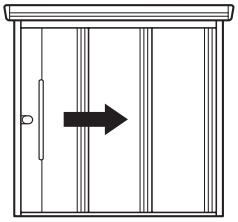
ASSEMBLY FOR RIGHT HAND DOORS

Required accessories

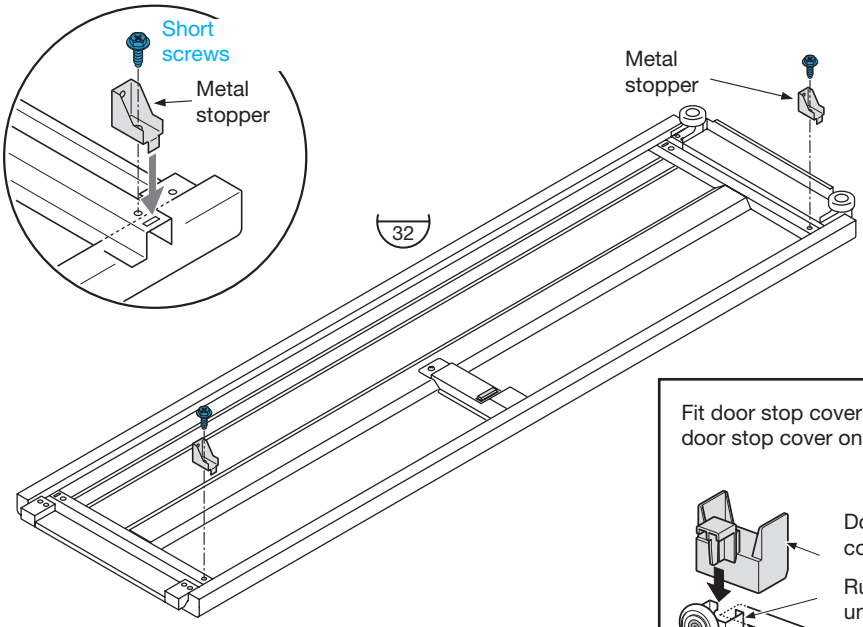
Pce no.	Article	Qty
32	Door, front right	1
31	Door, front left	1
-	Metal stopper	4
-	Short screws	4
-	Door stop cover	2

Before mounting door please fit both metal stoppers top and bottom as shown.

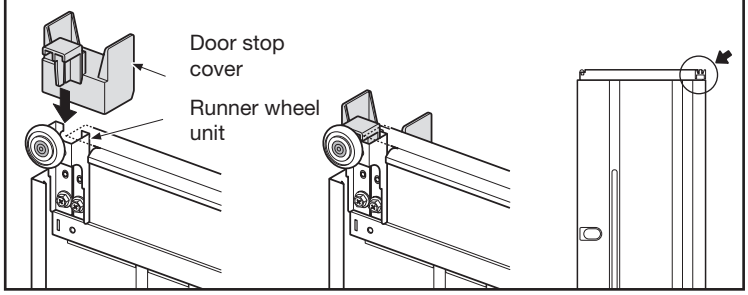
Take precaution that the cylinder lock isn‘t scratched.



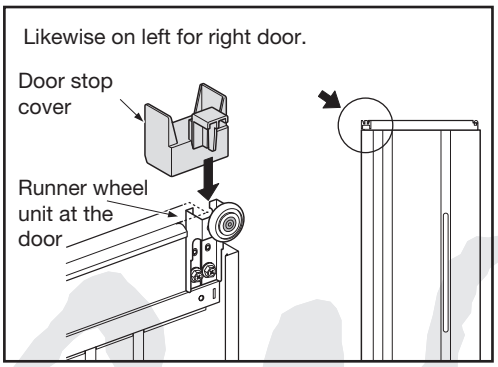
First fit both hooks of the metal stoppers in the slots as shown.

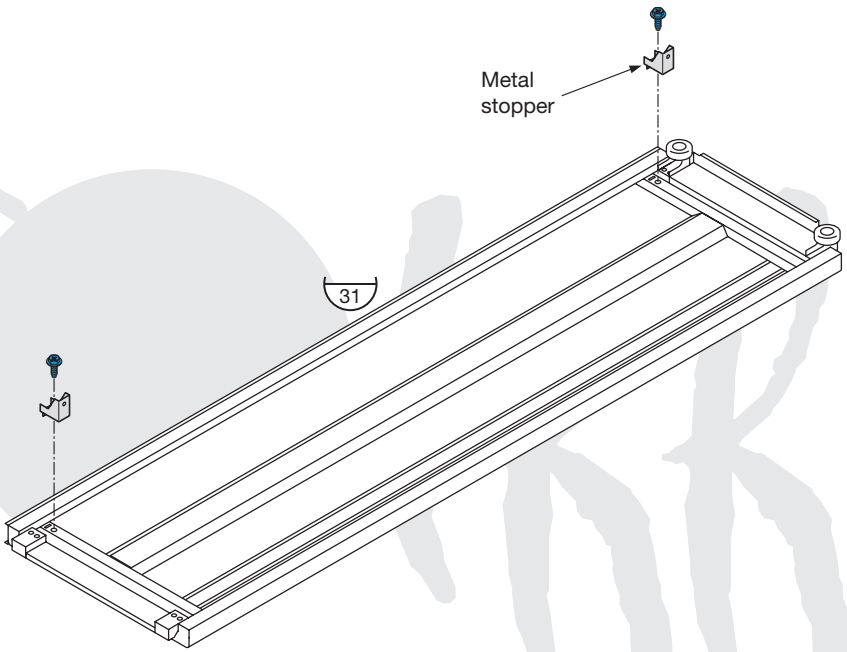


Fit door stop cover on left door on left side. For a right hand door, fit door stop cover on the right.



Likewise on left for right door.





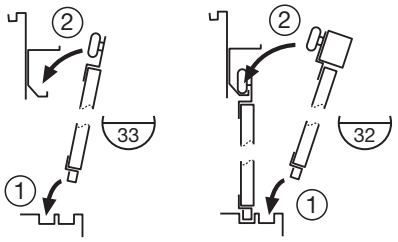
ASSEMBLY INSTRUCTIONS OSAKA

ASSEMBLY FOR LEFT HAND DOORS

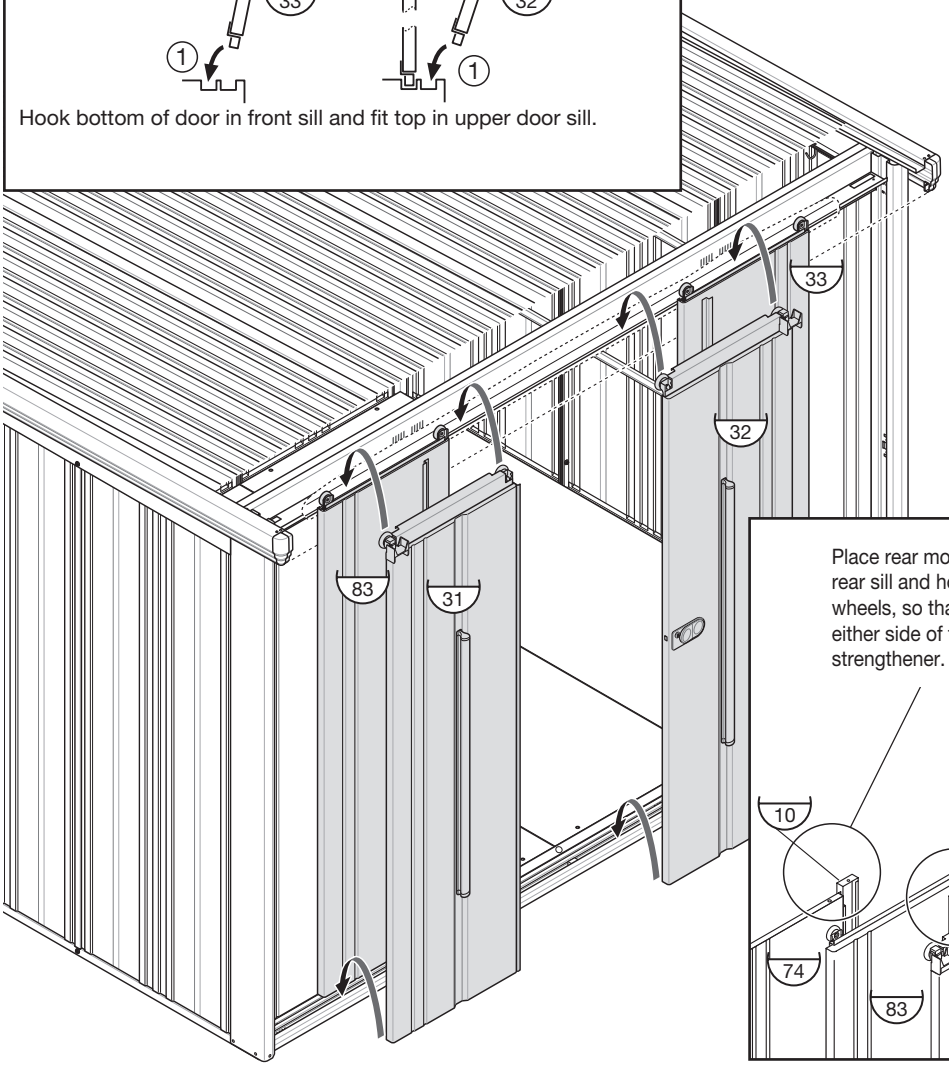
Required accessories

Pce no.	Article	Qty
31	Door, front left	1
32	Door, front right	1
33	Door paneel, rear right	1
83	Door paneel, front left	1

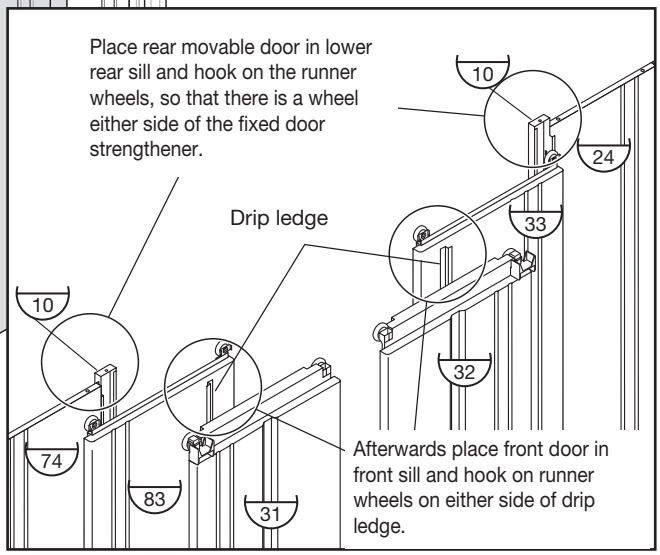
① Hook bottom of door in rear sill. ② Fit top in upper door sill.



Hook bottom of door in front sill and fit top in upper door sill.



Place rear movable door in lower rear sill and hook on the runner wheels, so that there is a wheel either side of the fixed door strengthener.



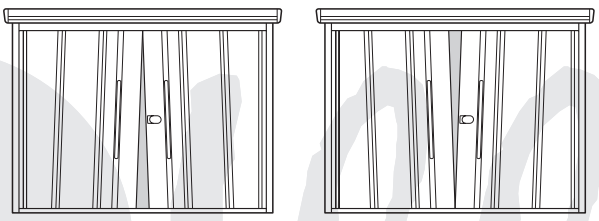
Afterwards place front door in front sill and hook on runner wheels on either side of drip ledge.

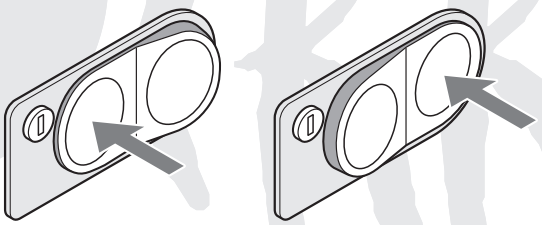
ADJUSTING THE DOOR

Check the following points:

1. Before fitting the front decoration cover, check that both doors completly open and shut.
2. Check the doors are square.
3. The door lock must work perfectly.

Problems with the lock?
See „Tips for assembling“ on page 26 (7).





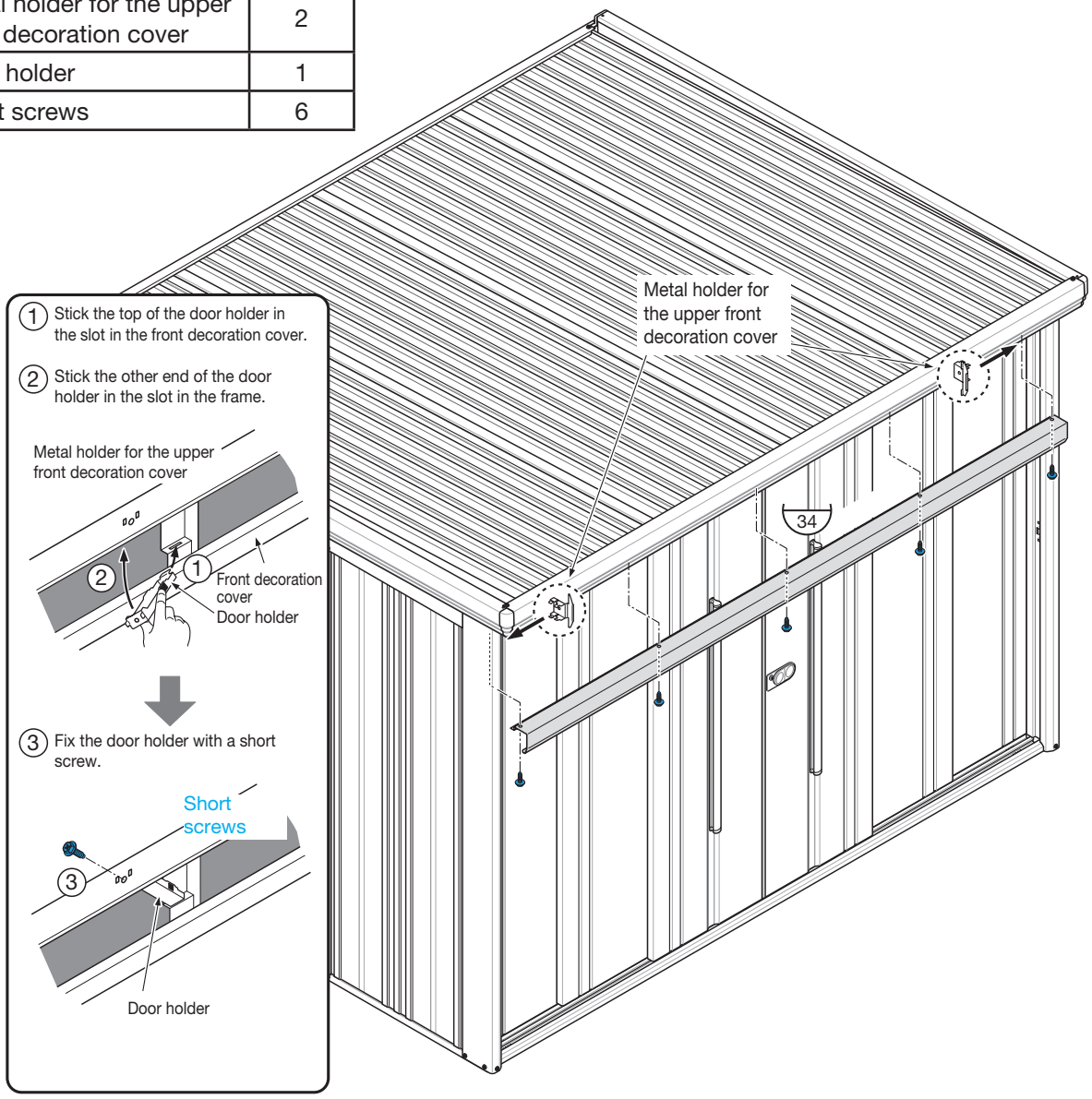
Lock Unlock

ASSEMBLY INSTRUCTIONS OSAKA

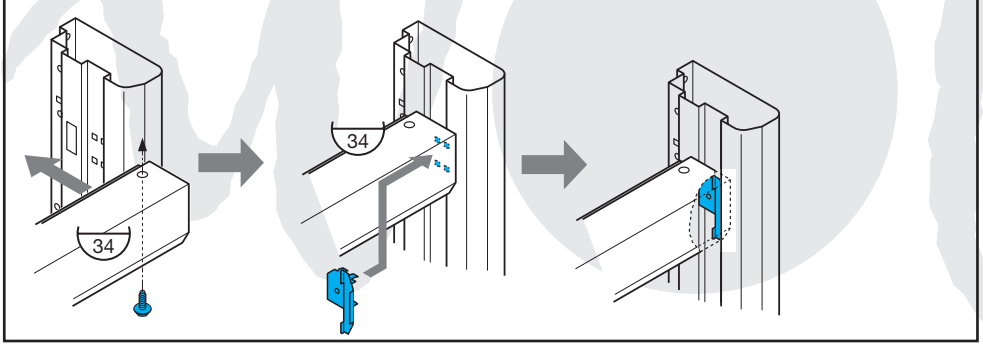
ASSEMBLING THE FRONT DECORATION COVER

Required accessories

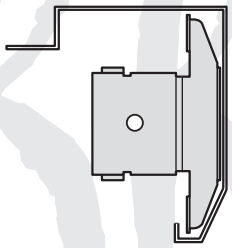
Pce no.	Article	Qty
34	Front decoration cover	1
-	Metal holder for the upper front decoration cover	2
-	Door holder	1
-	Short screws	6



1. Fit the front decoration cover between the corner posts and provisionaly srew on.
2. Then fit both metal holder in the slots.



3. The front decoration cover will lock in exactly. When complete tighten screws.



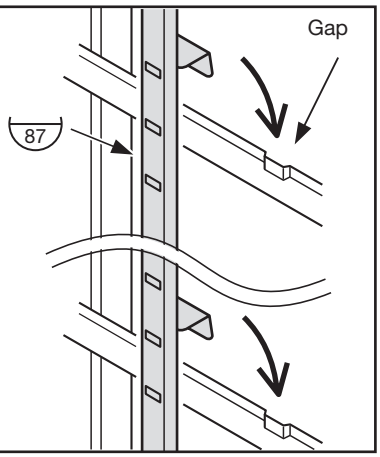
ASSEMBLY INSTRUCTIONS OSAKA

ASSEMBLING THE RACKS

A Building the racks

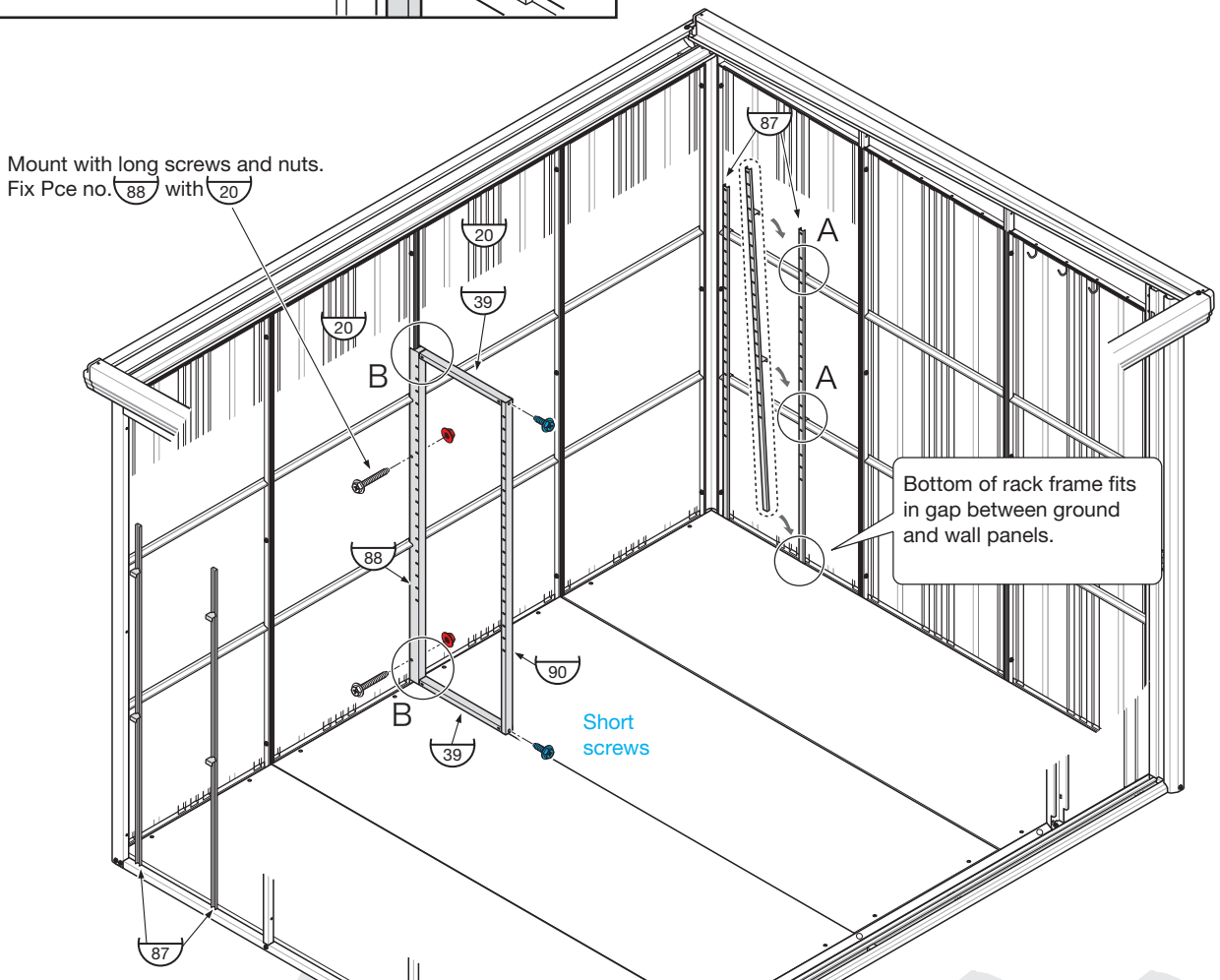
Hook the rear rack frame in the last gap on wall panels. Then add the front rack frame to fit shelves.

For large wall panels
Use the first gap in the central panel, for front rack frame.



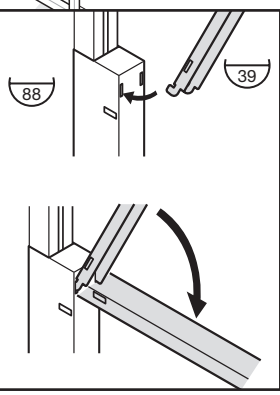
Required accessories

Pce no.	Article	Qty
87	Rack frame for side panels	4
88	Rack frame for rear wall	1
39	Cross rear strengthener	2
90	Front cross strengthener	1
-	Short screws	2



B Cross strengthening

Fix the rear central rack frame and hook the top and bottom strengthener in and secure the front frame.

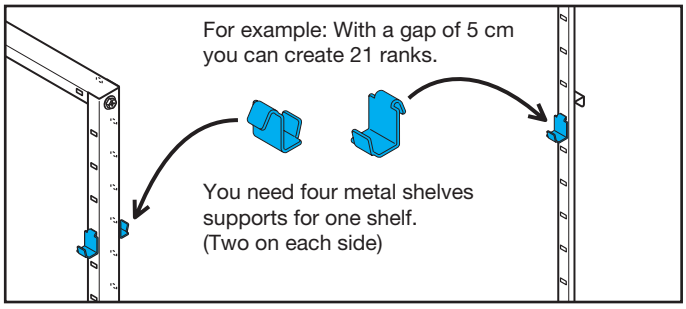


ASSEMBLY INSTRUCTIONS OSAKA

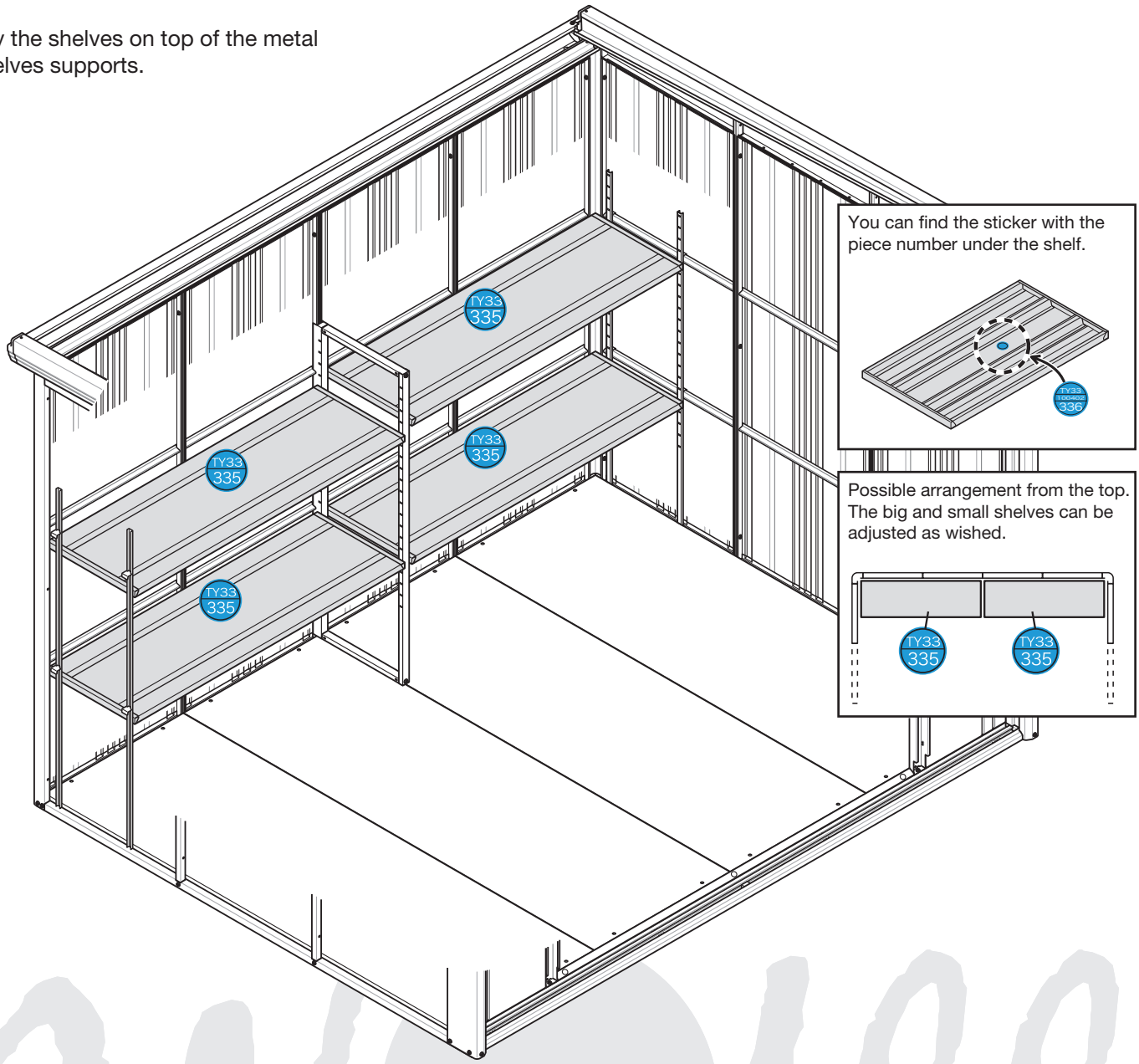
FITTING THE SHELVES

Required accessories

Pce no.	Article	Qty
-	Metal shelves supports	16
335	Big shelf	4



Lay the shelves on top of the metal shelves supports.



ASSEMBLY INSTRUCTIONS OSAKA

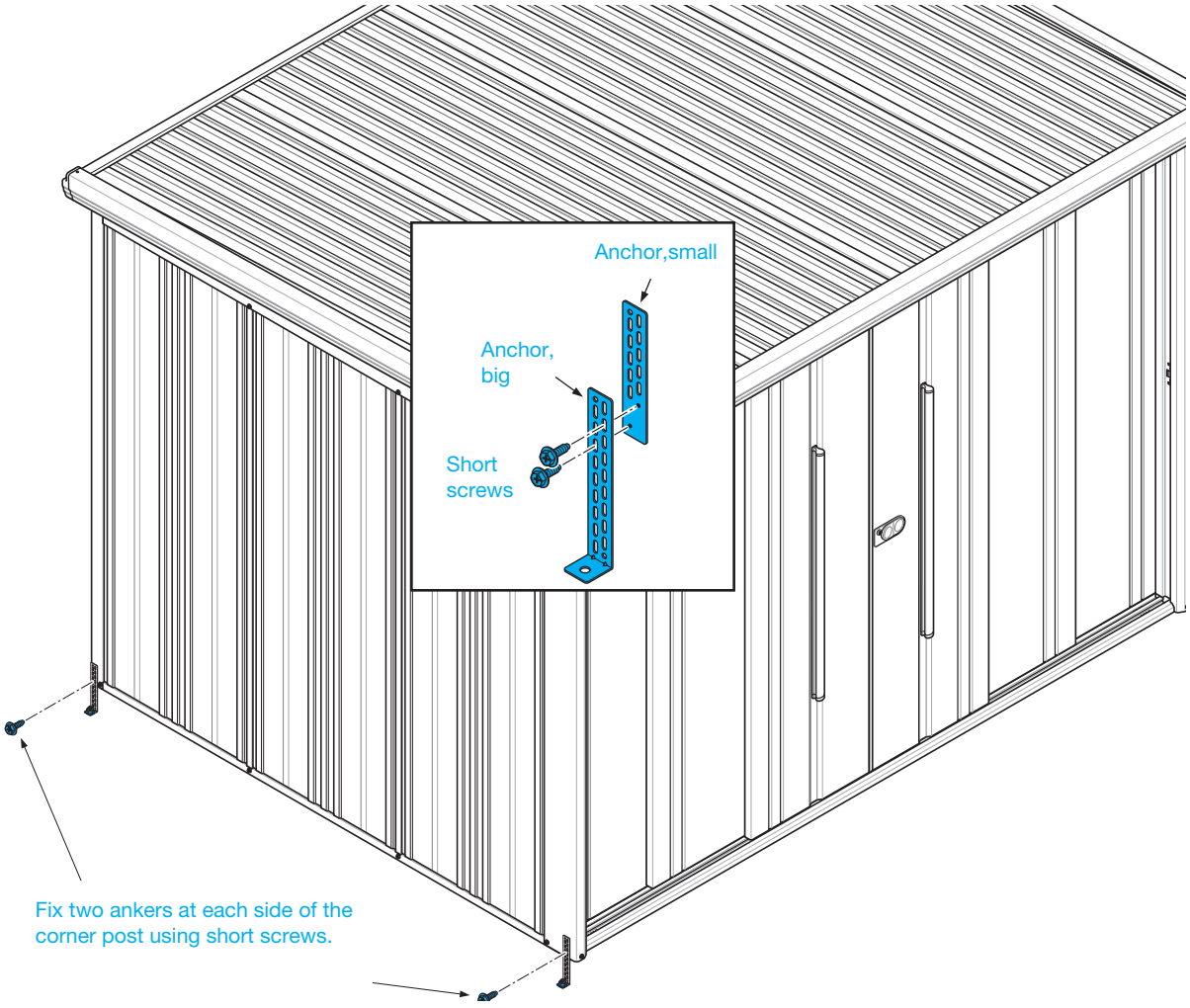
ANCHORING THE BUILDING

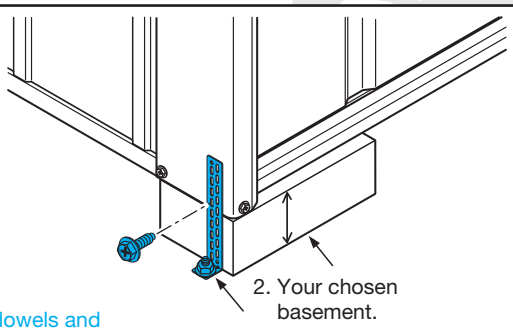
The shed must be ankered to protect against falling over.

The accessoires marked „※“ may be used when the shed is more than 120 mm above ground. In this case the large anchors can be lengthened with the short anchors and short screws.

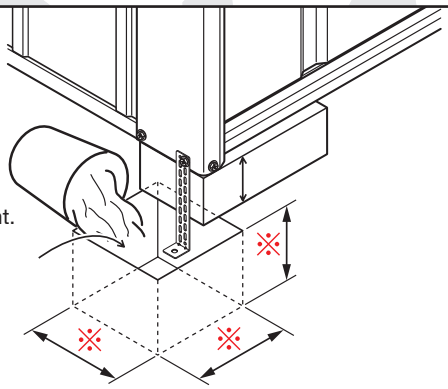
Required accessories

Pce no.	Article	Qty
-	Anchor, big	4
-	Anchor, small	※4
-	Short screws	※8





1. The fitting dowels and screws are not included.



ASSEMBLY INSTRUCTIONS OSAKA

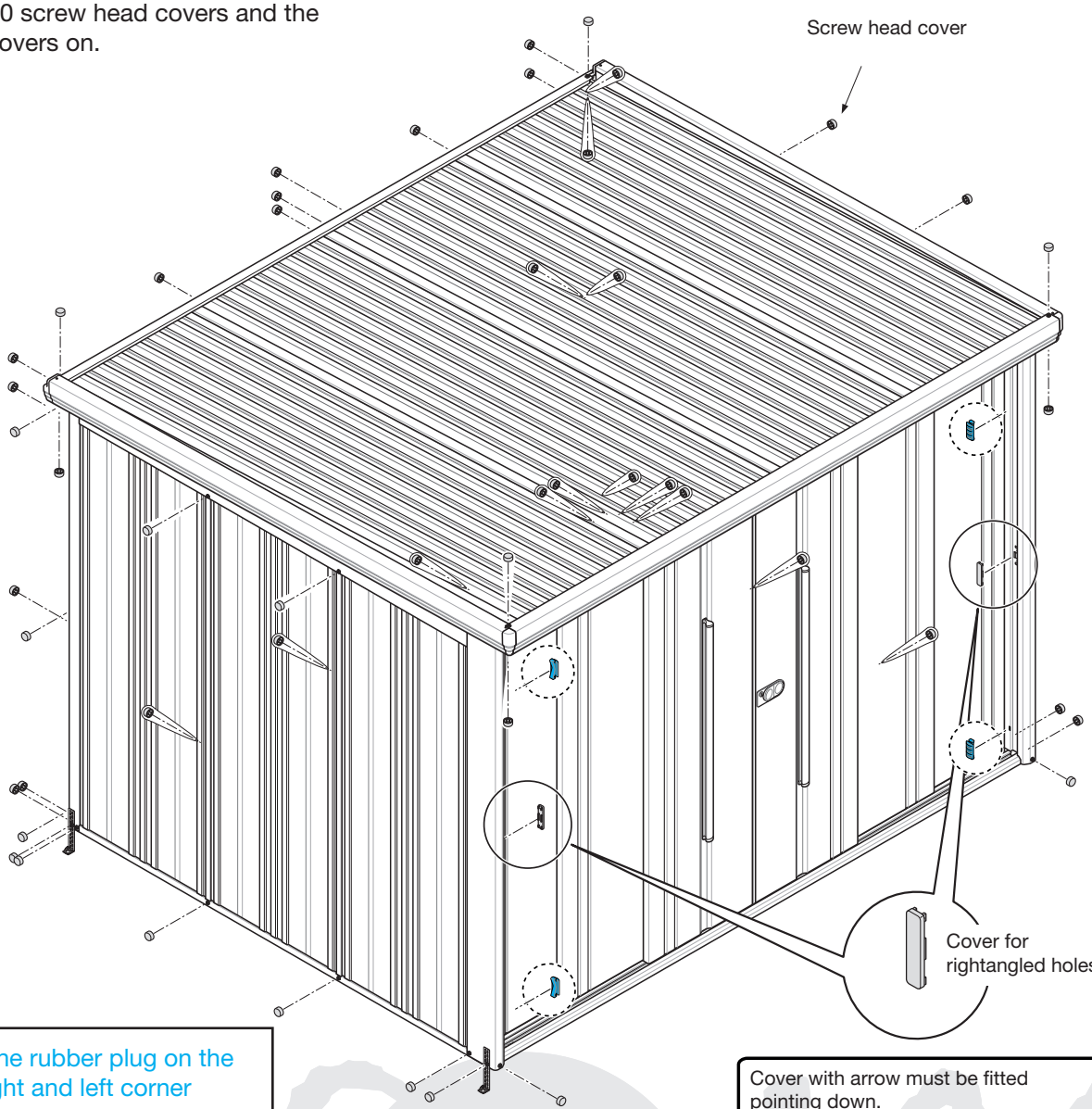
FITTING THE SCREW CAPS AND COVER

Required accessories

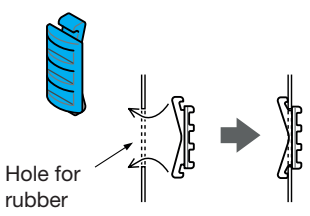
Pce no.	Article	Qty
-	Screw head cover	50
-	Cover for rightangled holes	2

In cold weather the plastic cover can become hard. In this case warm up for example in your trouser pocket to soften.

Check that all screws are tight before you fit all 50 screw head covers and the door slot covers on.



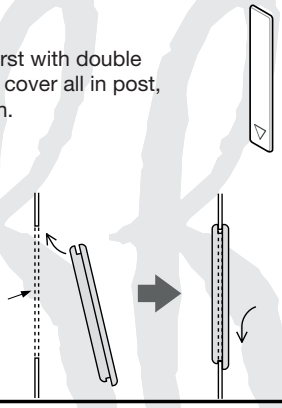
Mount the rubber plug on the front, right and left corner post.



Press the rubber plug together to fit easily into the corner post.

Cover with arrow must be fitted pointing down.

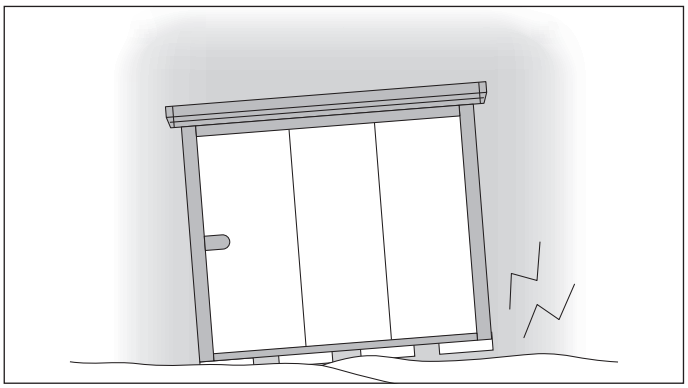
Fit the top end first with double notch and press cover all in post, finally slide down.



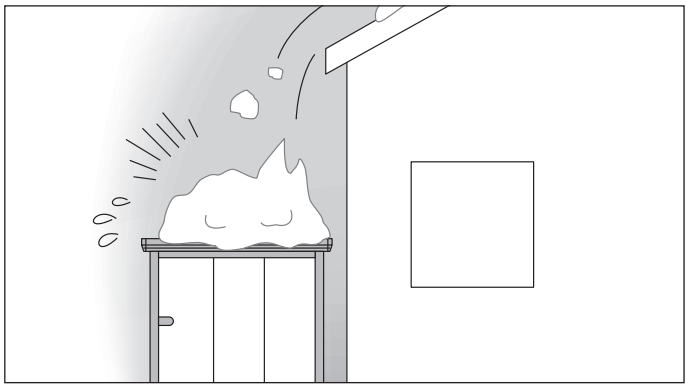
TIPS FOR ASSEMBLING

GENERAL ADVISE

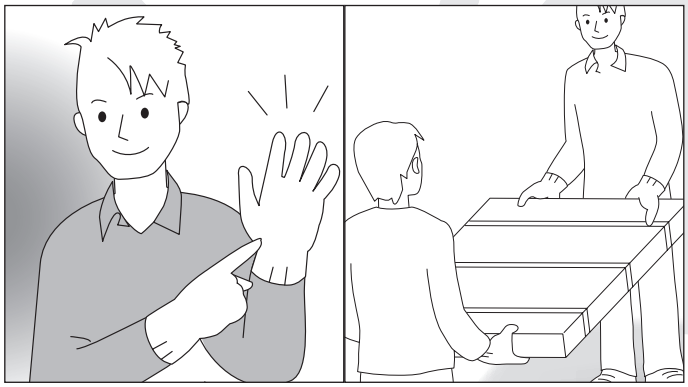
1. Ensure the ground is flat and firm where you want to build uo your metal shed. (For example a concrete foundation or a concrete pier foundation, where the shed is to be built)



2. Ensure that no excessive rain or snow could damage the shed. For example from a house roof.

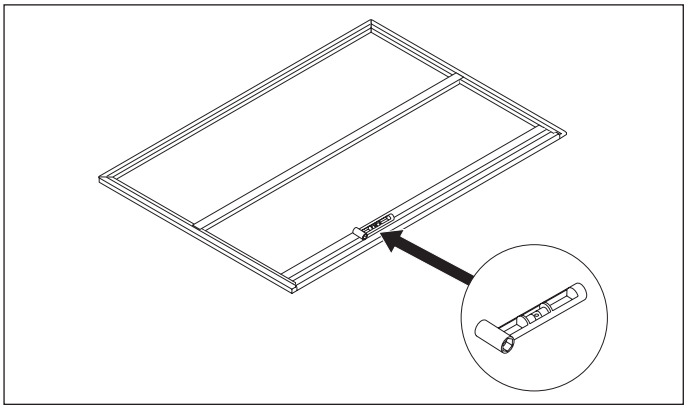


3. Do not carry the heavy parcels alone so that the material does not get damaged. Please wear gloves and a longarmed shirt while building the metal shed to protect your hands and arms from insury.

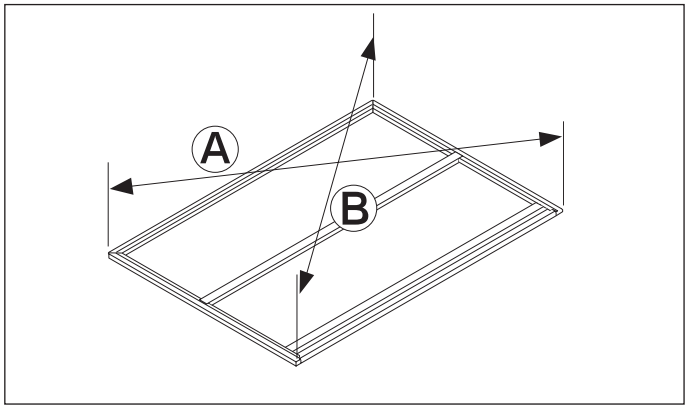


MOUNTING ADVISE FOR THE SUBSTRUCTURE / FLOOR PANELES

1. Ensure youself that the base frame is level and square (for example on a cemented underground) before you start mounting the floor panels.

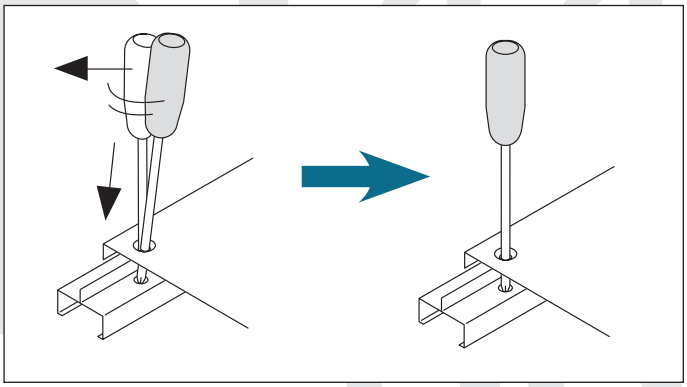


2. Measure the diagonals with a tape measure.



The diagonals A and B have to be same length, they have to build a uniform rectangle.

3. The holes in the panels and the base frame must lie over each other. Check with the Philips screw driver.

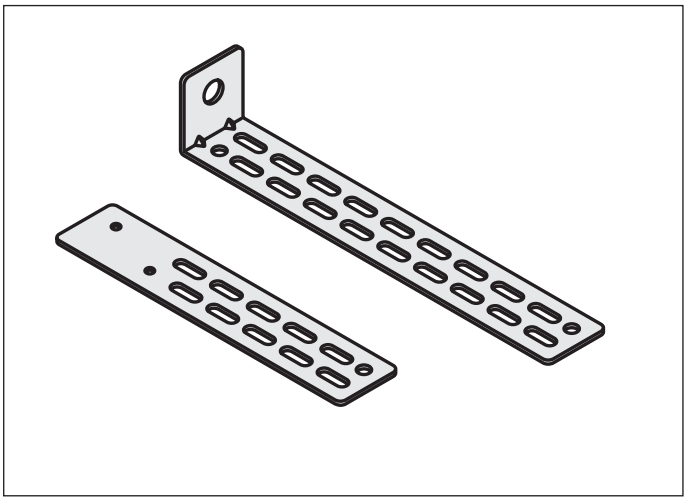


TIPS FOR ASSEMBLING

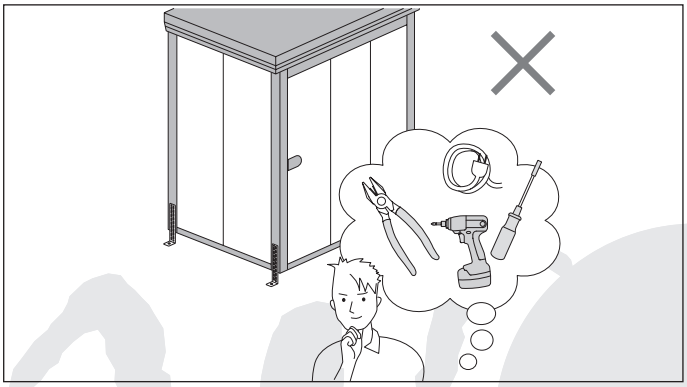
Screwing:
Firstly screw the four corner posts with panels provionally and check that none are cross threaded. Then tighten.

Please screw CAREFULLY to protect the screws threads from damage.

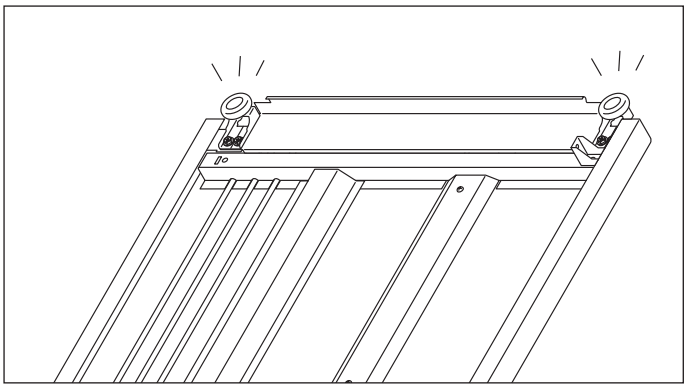
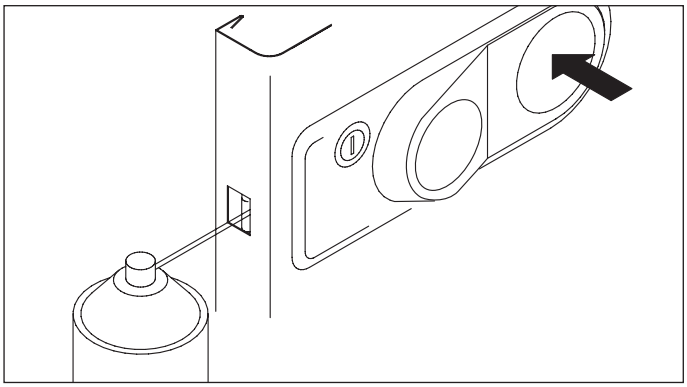
4. Please anker the shed to the ground with supplied accessoires. Control that all is correctly screwed.



5. For electric wiring call in an electrician.



6. If a door sticks adjust runner wheels to run free.



7. Lock problems? Spray a small amount of oil in the locked door as shown.