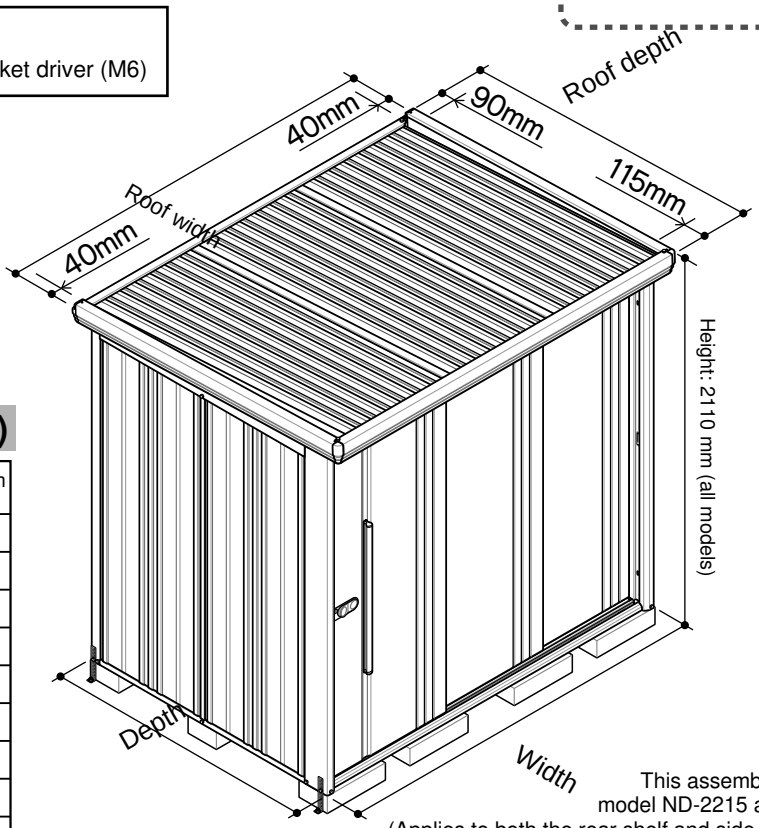
NY Series Storage Shed Assembly Instructions (Owner's Manual)

The keys are taped to the back of the front door.

Tools needed for assembly
Spirit level, Phillips head screwdriver, 10 mm socket driver (M6)



This assembly manual uses model ND-2215 as the example.
(Applies to both the rear shelf and side shelf versions.)

Size table by model (unit: mm)

Item / Model	Width	Depth	Roof width	Roof depth
1812	1832	1222	1912	1427
1814	1832	1406	1912	1611
1815	1832	1590	1912	1795
2012	2016	1222	2096	1427
2014	2016	1406	2096	1611
2015	2016	1590	2096	1795
2212	2200	1222	2280	1427
2214	2200	1406	2280	1611
2215	2200	1590	2280	1795

For safe assembly

- Read this manual carefully and follow the correct steps to assemble the shed.
- This manual contains important information for using your NY series storage shed safely. Be sure to read it, make sure you understand it, and use the shed correctly.
- If you do not follow the instructions in this manual, there is a risk of serious injury, such as the customer being hurt, and a risk of property damage, such as damage to the product.
- To installers: when assembly is complete, you must hand this manual to the customer.
- Take full precautions to stop the shed from blowing over in strong winds. In particular, do not install it on rooftops or other high places where safety cannot be confirmed.

About the product

- Because this product is assembled from parts on site, there will be some small gaps (enough for light to show through).
- Due to its construction, the product is not fully waterproof. Water may get in through gaps between parts.
- Because of the 2 points above, dust, insects and small animals such as mice may get in, and fine snow may blow in.
- The paint may be scratched during transport and handling. Minor scratches are to be repaired with touch up paint.

Product name	**NY series** ND -	
Purchase date	Day	Month Year
Dealer or installer	Store name	
	Phone ( ) -	
Key number		

Fill in the table above and keep this manual in a safe place so it is not lost.

[Questions about this product]

We take great care with the quality control of our products.
If you find any problem or have any questions about the product, please contact us at the details below.

Rediy Build

Phone: 0436 629 659

Email: enquiries@rediybuild.com.au

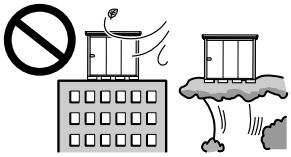
Web: www.rediybuild.com.au

Installation location

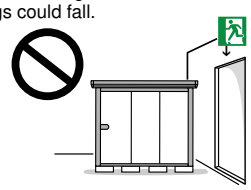
Do not install where large amounts of snow or rainwater fall from a house roof. This can cause damage, distortion and leaks.



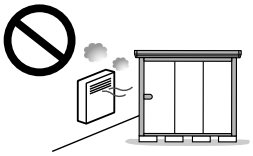
Do not install in high places such as rooftops, or where there is a drop, such as the edge of a cliff. The shed could blow over or fall in strong winds.



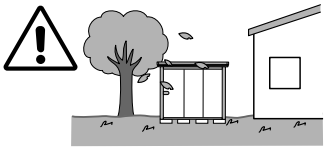
Do not install on apartment balconies or similar places where it would block an escape route, where children could climb over the railing from it and fall, or where things could fall.



Do not install near a water heater exhaust outlet where strong corrosive gas will hit the shed. Exhaust gas damages the paint and causes rust and discolouration.



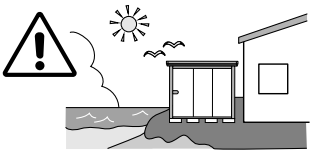
· Near trees, falling leaves can block the gutters and cause leaks or corrosion.
· On grass, or ground that has not been levelled and compacted, the doors may later stop fitting properly.
· Near the boundary with neighbouring land
(consider your neighbours regarding rainwater drainage and splashing, falling snow, blocking sunlight, etc.)



· Where the ground is soil or similar, the shed is easily affected by moisture, which can cause condensation and mould.
· Where the ground freezes or heaves with frost, the doors may stop fitting properly.
· Where the shed is affected by chemicals, snow melting agents, etc., the shed body may discolour or corrode.

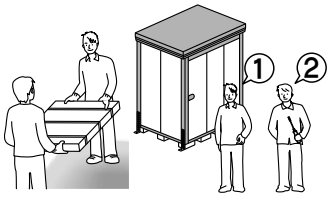


· In places exposed to salt damage (coastal areas, etc.) the shed body may corrode. Regular washing with water is recommended.
· When installing next to a building, make sure you leave the space needed for the roof overhang and for assembly.

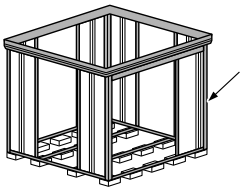


Assembly precautions

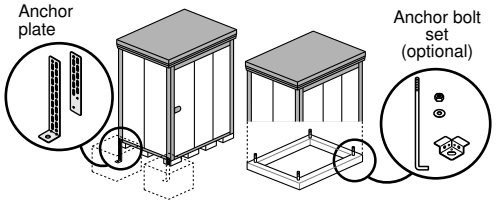
● Before assembly, level the ground where the shed will be assembled. At the same time, compact the ground.
● Avoid assembling on windy days. Parts could blow over and be damaged, and you could be injured by parts that are blown away.
● Wear gloves, a long sleeved shirt, work clothes and other protective gear while assembling. Although every care has been taken, you could be injured by the corners and edges of parts.



When the customer assembles the shed, or when carrying heavy items (especially 30 kg or more), always use 2 or more people. Otherwise you could be injured or hurt your back.



If you stop assembly and leave it, parts could be blown away or blow over in strong winds. If you have to leave the site, secure the parts with support posts, rope, etc.



To prevent the shed blowing over, you must carry out the specified foundation work. Otherwise it could blow over in typhoons (cyclones) or other strong winds, causing serious injury or damage to stored items.

● When assembly is complete, check that no bolts are loose and no fittings have been left off. If the shed is not assembled correctly, it will not have the specified strength.

⚠ Foundations

■ For safety, follow the specified foundation specifications. Make the foundation holes at least the size shown in the foundation diagram in this manual.
■ When installing on soft ground, or in cold areas where frost heave may occur, choose a foundation method that suits the local conditions.

Precautions for use

● Do not put things on the roof, climb on it, hang from it or jump onto it from other buildings. (You could be injured, or the shed could be damaged, by falling or tipping over.)
● In typhoons (cyclones) and other strong winds the doors could open or come off, so always lock them. (Stored items could be blown away, or the shed could be damaged or blow over.)
● When opening and closing the doors, take care not to catch your hands or feet, and operate them slowly. (You could be injured.)
● For electrical wiring, modifications or changes, always consult a qualified professional. (Careless modifications cause injury or damage due to strength problems, etc.)
● Do not shake the shed roughly. (Although the post structure is strong, the doors may stop fitting properly, or you could be injured.)
● Never use the shed for anything other than storage (such as a play area or part of a dwelling). (This could lead to injury or other accidents.)
● Do not lean things against the roof or walls. If they fall over or are blown away in strong winds, they could injure someone. (Scratched paint can also cause rust.)
● The shed may get hot in direct sunlight. (Take care not to get burnt.)
● To prevent the shed tipping over, store heavy items low down. Store items so they do not catch on the doors. (Forcing the doors open or closed can make stored items fall out or damage the doors.)
● Stored items may fall over in an earthquake and stop the doors from opening. (If you force the doors open, stored items may fall out, so take care.)
● Shoes and floors wet from rain or snow are slippery, so take care.

⚠ If a disaster is expected

If storms such as typhoons (cyclones), or heavy snowfall, go beyond what the product is designed for, the doors or the shed itself could be blown away, and rainwater or snow could get inside.
If a disaster is expected, lock the doors properly and reinforce the shed by tying it down with rope or wire, or move the stored items out in advance.

⚠ Beware of being locked in

Before using the temporary lock or locking the doors, always check that nobody is inside. (For the temporary lock and locking, see page 3.)

⚠ Take care with stored items

● Chemical fertilisers, pesticides and anything that may give off salt can cause rust, so always place a tray or mat under them.
● Wash tyres well with water before storing them. Chloride from snow melting agents causes rust.
· When storing things that do not like heat or moisture, put them in cardboard boxes or plastic bags.
· Electrical appliances are easily affected by humidity and dust, so protect them well before storing.
· Do not store food or anything else that could be damaged by insects or small animals getting in.
· Avoid storing anything that may discolour or deform due to high temperature, high humidity, condensation, etc.
· Do not store volatile flammable materials (petrol, thinners, paint, sprays, etc.).
· When storing heavy items, check the load capacity of the floor and shelves.

⚠ Precautions in snow

● Clear snow from the roof and knock down snow overhangs early.

* When it snows, for safety, clear the roof using the maximum snow loads below as a guide.

□ General area type ... 1200 N/m² (120 kgf/m²) ... 60 cm or less

□ Heavy snow area type ... 3000 N/m² (300 kgf/m²) ... 100 cm or less

· When clearing snow, never climb onto the roof to do it.

· Clear the snow around the shed early too.

* Snow heavier than the allowable load can lead to accidents such as injury to people or damage to stored items, so take care.

· Do not pour water on snow to clear it. Wet snow becomes heavy and can damage the shed or cause ice dam leaks.

· To prevent ice dam leaks, clear the snow and remove ice near the gutters early. Cover stored items that must not get wet with plastic sheeting or similar.

Note: In cold regions and at high altitude, the downpipe may crack due to freezing. We recommend removing the downpipe during winter.

What is an ice dam leak?

In areas with heavy snowfall, when there is a big difference between warm and cold temperatures, snow and ice stay on the roof, so melted water has nowhere to go and leaks into the shed through gaps in the roof.

⚠ Dealing with condensation

You can reduce condensation by ventilating the shed to lower the temperature difference with the outside air. If condensation forms, wipe off the moisture.

⚠ Precautions when using shelves and floor

Do not exceed the allowable load. Overloading can cause distortion or damage, and you could be injured by falling objects.

[Floor allowable load] 6000 N/m² (600 kgf/m²) ... up to 600 kg per square metre

[Shelf allowable load] 2000 N/m² (200 kgf/m²) ... up to 200 kg per square metre

* Try to place loads as evenly and gently as possible. For items with legs, place a strong board under the legs before storing them.

* Avoid concentrated loads and point loads (where weight is applied over a small area). These can dent the floor or shelves or make the shed lean.

Care and maintenance

⚠ **Do not climb on the roof when cleaning. You could be injured. It is dangerous.**

● When dirty, wash with water. Waxing keeps the shed looking good for longer.

● Repair scratches early, as they can cause rust.

● Open the doors from time to time to let air through and ventilate the inside.

● Regularly clean the roof, gutter, floor frame rails, etc. so leaves and rubbish do not build up. Sand in the floor frame rails stops the doors opening and closing properly.

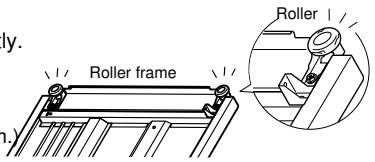
● To remove rubbish from the gutter, see P9 and remove the gutter by following the steps in reverse.

● If the doors stop fitting properly after installation, see P10 of this manual and adjust the roller frames correctly.

● If moving parts such as rollers and locks show wear, please replace them.

● If condensation forms inside the shed, wipe off the moisture.

(* Condensation is a natural occurrence. Depending on where and how the shed is installed, condensation may form.

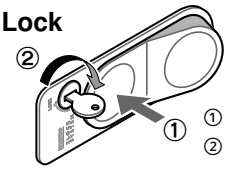


* For repair requests and other enquiries, contact Rediy Build or the store where you bought the shed. (No paid maintenance contract is offered.)

Using the 2 lock latch

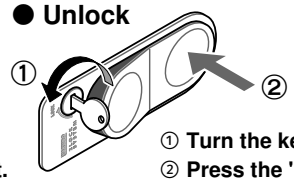
Locking with the key

● **Lock**

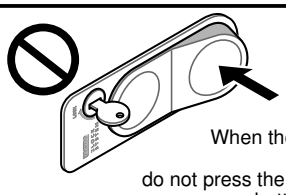


① Press the "LOCK" button.
② Turn the key 90° to the right.

● **Unlock**



① Turn the key 90° to the left.
② Press the "OPEN" button.

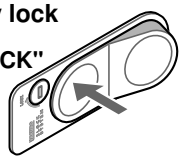


When the door is locked, do not press the "OPEN" button hard.

Temporary lock without the key

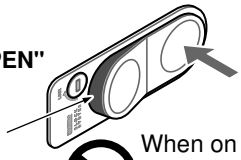
● **Temporary lock**

Press the "LOCK" button.



● **Release**

Press the "OPEN" button.



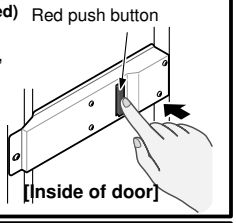
When released, "red" shows.



When on temporary lock, do not close the door.

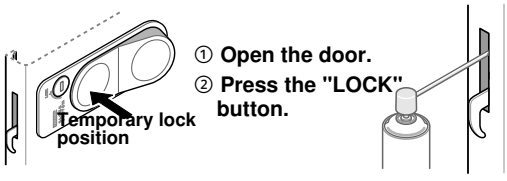
● **Release (from inside the shed)**

When on temporary lock, you can release it by pressing the red push button from inside the door.



2 lock latch maintenance

Please carry out regular maintenance so the lock lasts a long time.



① Open the door.
② Press the "LOCK" button.

③ Insert the nozzle of a commercially available keyhole lubricant spray about 4 cm into the gap of the extended lock catch, and spray a suitable amount.

④ Also spray a suitable amount into the keyhole.
(Always use a lubricant spray made for keyholes. Silicone and other lubricant oil sprays attract dust and cause the lock to malfunction.)

● There are 2 door keys. Keep the master key and the spare key separately so you do not lose them. (Many customers lock the shed and then lose the keys.)

● If you lose 1 of the 2 keys, contact the store where you bought the shed as soon as possible.

● To have a duplicate key made, you need the number stamped on the key. Always record the key number in the box on the cover of this manual. Keys are charged for.

[1]. Parts list

Some parts have a sticker on them. This manual shows the number from the lower half of the sticker.

(Sticker example) YR20 / 150110 / 01 ← Product class number ← Part number

Main body parts

* Same for the rear shelf and side shelf versions.

Part number and name	Class no.	Quantity by model								
		1812	1814	1815	2012	2014	2015	2212	2214	2215
01 Floor frame, front	YR20	1	1	1						
	YR30				1	1	1			
	YR33							1	1	1
02 Floor frame, left	YR20	1			1			1		
	YR21		1			1			1	
	YR22			1			1			1
03 Floor frame, right	YR20	1			1			1		
	YR21		1			1			1	
	YR22			1			1			1
04 Floor frame, rear	YR20	1	1	1						
	YR30				1	1	1			
	YR33							1	1	1
05 Floor joist	TY20	1	1	1						
	TY30				1	1	1			
	TY33							1	1	1
06 Corner post, front left	N100	1	1	1	1	1	1	1	1	1
07 Corner post, front right	N100	1	1	1	1	1	1	1	1	1
08 Corner post, rear left	N100	1	1	1	1	1	1	1	1	1
09 Corner post, rear right	N100	1	1	1	1	1	1	1	1	1
10 Middle post, front	YR00	1	1	1	1	1	1	1	1	1
11 Middle post, left/right	YR22	2		2	2		2	2		2
	YR21		2			2			2	
14 Middle post, rear	YR00	2	2	2	2	2	2	2	2	2
S15 Rear top frame	N120	1	1	1						
	N130				1	1	1			
	N133							1	1	1
16 Purlin * Heavy snow type is "S16"	YR20	1	1	1						
	YR30				1	1	1			
	YR33							1	1	1
17 Left fascia	N120	1			1			1		
	N121		1			1			1	
	N122			1			1			1
18 Right fascia	N120	1			1			1		
	N121		1			1			1	
	N122			1			1			1
19 Front top frame	N120	1	1	1						
	N130				1	1	1			
	N133							1	1	1
20 Wall panel, large	YD00	1	3	5	2	4	6	3	5	7
21 Wall panel, small	YR00	6	4	2	5	3	1	4	2	
24 Front wall panel	YR20	1	1	1						
	YR30				1	1	1			
	YR33							1	1	1
25 Front fascia	N120	1	1	1						
	N130				1	1	1			
	N133							1	1	1
S26 Gutter	YD20	1	1	1						
	YD30				1	1	1			
	YD33							1	1	1
27 Roof panel	ND20	2			2			3		
	ND21		2			2			3	
	ND22			2			2			3
28 Roof panel, small	ND15				2					
	ND18					2				
	ND19						2			
	ND20	2								
	ND25		2							
	ND27			2						

Part number and name	Class no.	Quantity by model								
		1812	1814	1815	2012	2014	2015	2212	2214	2215
29 Floor panel, centre	YR20	1			1			1		
	YR30		1			1			1	
	YR33			1			1			1
30 Floor panel, end	YR17				1			2		
	YR21					1			2	
	YR22						1			2
	YR20	2			1					
	YR25		2			1				
	YR27			2			1			
51 Step cover	YR20	1	1	1						
	YR30				1	1	1			
	YR33							1	1	1
32 Front door	YX20	1	1	1						
	YX30				1	1	1			
	YX33							1	1	1
33 Rear door	YR20	1	1	1						
	YR30				1	1	1			
	YR33							1	1	1
34 Top cover	N120	1	1	1						
	N130				1	1	1			
	N133							1	1	1
Downpipe	*1	1	1	1	1	1	1	1	1	1

*1: The downpipe is packed with the corner posts.

Assembly screws

These are in the parts box.

Shape	Name	Quantity by model								
		1812	1814	1815	2012	2014	2015	2212	2214	2215
*4	Short screw (SEMS screw M6×16 flat point)	121	121	121	121	121	121	121	121	121
*5	Long screw (SEMS screw M6×35 flat point)	24	24	24	24	24	24	24	24	24
*5	Nut (Flange nut M6, large flange, not serrated)	24	24	24	24	24	24	24	24	24
*5	Shoulder screw (Flange shoulder bolt M6×25.5 rough point)	13	13	13	13	13	13	13	13	13
	Screw cap (Tea Grey)	36	36	36	36	36	36	36	36	36

*4: Includes 2 spares. *5: Includes 1 spare.

Small parts

These are in the parts box.

Floor corner bracket front left	Floor corner bracket front right	Floor corner bracket rear	Door stop bracket	Aluminium hook	Top cover fixing bracket
1 pc	1 pc	2 pcs	2 pcs	3 pcs	2 pcs

Membrane grommet, small (SG-16F black)	Membrane grommet, large (SG-24F black)	Front door gap cover	Hole cap φ17 (Tea Grey)	Square hole cap (Tea Grey)
2 pcs	1 pc	1 pc	3 pcs	1 pc

Rubber cushion (Sand White)	Snow stop *6	Gutter fixing bracket	Hole plug cap, small (Tea Grey)	Anchor plate, large and small
4 pcs	3 bags	2 pcs	6 pcs	4 each

Elbow	Elbow pipe	Pipe saddle	Pipe saddle mount	Warranty card	Assembly manual (this manual)
2 pcs	1 pc	3 pcs	3 pcs	1 copy	1 copy

*6: 7 per bag, 1 of which has double sided tape.

Rear shelf version parts

Name	Part no.	Quantity by model								
		1812	1814	1815	2012	2014	2015	2212	2214	2215
(335) Shelf board (large)	TY20	2	2	2	2	2	2			
(335) Shelf board (large)	TY33							2	2	2
(336) Shelf board (small)	TY20	2	2	2						
(336) Shelf board (small)	TY33				2	2	2	2	2	2
(87) Shelf upright (end)	TY00	4	4	4	4	4	4	4	4	4
(88) Shelf upright (middle post)	TY00	1	1	1	1	1	1	1	1	1
(39) Shelf upright cross rail	TY00	1	1	1	1	1	1	1	1	1
(25) Shelf upright lower cross rail	U09N	1	1	1	1	1	1	1	1	1
(90) Shelf upright (middle)	TY00	1	1	1	1	1	1	1	1	1
Shelf bracket	*1	16	16	16	16	16	16	16	16	16

*1: Shelf brackets are packed with the shelf boards.

Side shelf version parts

Name	Part no.	Quantity by model		
		1815Y	2015Y	2215Y
(335) Shelf board (large)	TY33	2	2	2
(87) Shelf upright (end)	TY00	2	2	2
(37) Shelf upright (front wall)	YR00	2	2	2
Shelf bracket	*2	8	8	8
Shelf upright end bracket	*3	4	4	4
Machine screw (M5) (small truss head M5×10)	*3	4	4	4

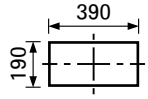
*2: Shelf brackets are packed with the shelf boards.

*3: Shelf upright end brackets and machine screws (M5) are packed with the shelf uprights.

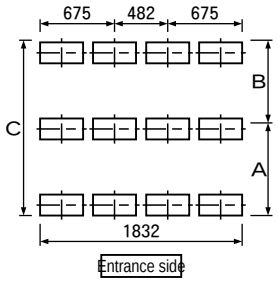
[2]. Foundation diagrams

* This foundation diagram shows the standard. Design to suit the actual site conditions.

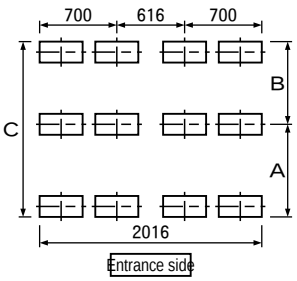
[Simple concrete block foundation construction diagram]



Concrete block
390×190×100

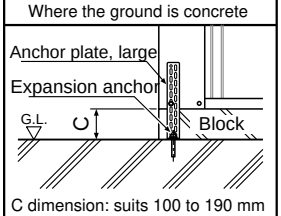


Model \ Item	A	B	C
1812	656	566	1222
1814	656	750	1406
1815	840	750	1590



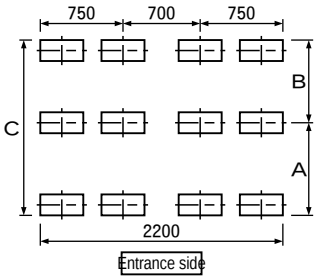
Model \ Item	A	B	C
2012	656	566	1222
2014	656	750	1406
2015	840	750	1590

Where the ground is concrete



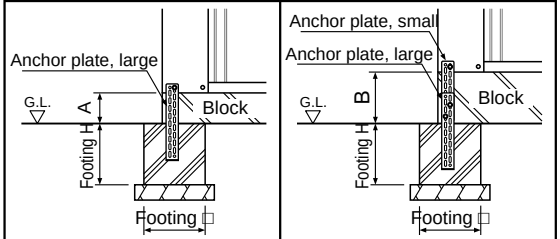
C dimension: suits 100 to 190 mm

* Buy the expansion anchors (M8 or M10) separately from a hardware store.



Model \ Item	A	B	C
2212	656	566	1222
2214	656	750	1406
2215	840	750	1590

Where the ground is soil or asphalt



A dimension: suits 100 to 120 mm

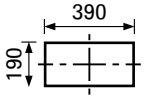
B dimension: suits 120 to 150 mm

* The footing size for embedding the anchor plates differs by model, so see the table below.

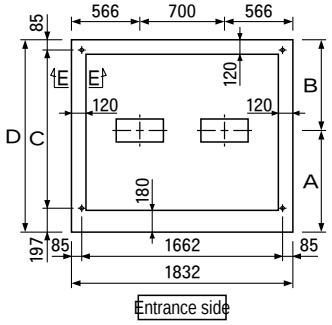
Footing □ × Footing H	Model
□250×H250	1812 · 1814 1815 · 2014 2015
□300×H300	2012 · 2212 2214 · 2215

[Strip foundation construction diagram]

* The "Anchor bolt set" (optional) is required. Please order it separately.

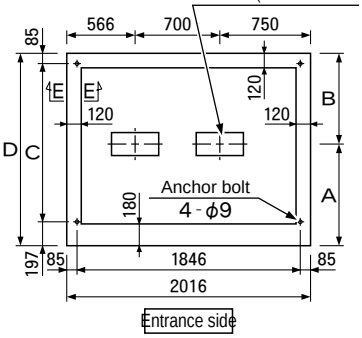


Pier stone
Concrete block
390×190×100

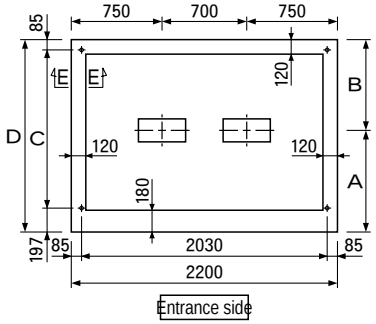


Model \ Item	A	B	C	D
1812	656	566	940	1222
1814	656	750	1124	1406
1815	840	750	1308	1590

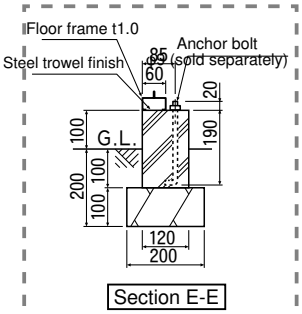
Pier stone (concrete block)



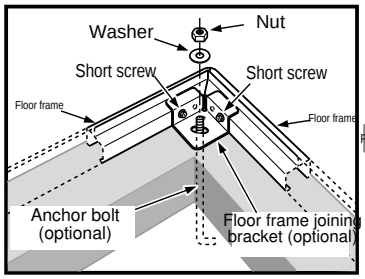
Model \ Item	A	B	C	D
2012	656	566	940	1222
2014	656	750	1124	1406
2015	840	750	1308	1590

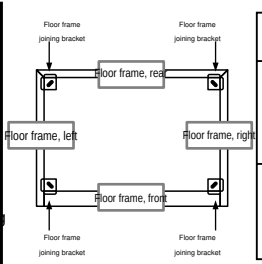


Model \ Item	A	B	C	D
2212	656	566	940	1222
2214	656	750	1124	1406
2215	840	750	1308	1590



■ Anchor bolt set (optional)





Anchor bolt set, basic	Qty
 Anchor bolt, washer, nut	4 each
	4

[3]. Assembly steps

1. Assembling the floor frame and floor joists

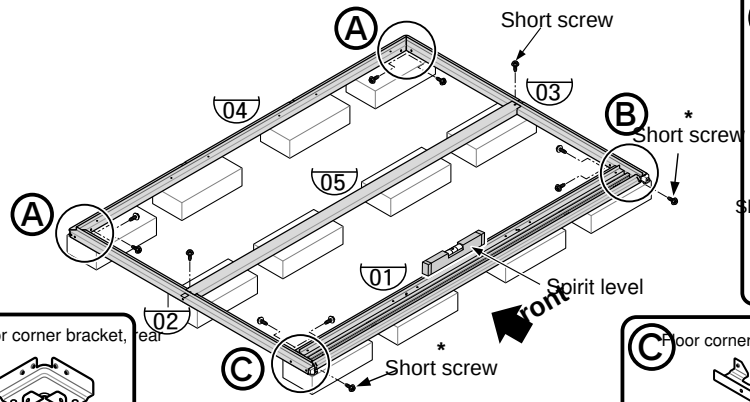
Parts used

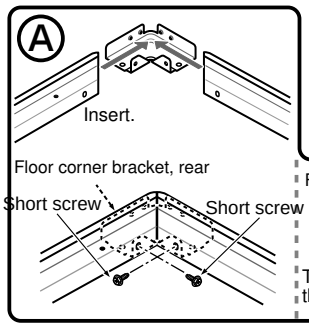
01 Floor frame, front	1
02 Floor frame, left	1
03 Floor frame, right	1
04 Floor frame, rear	1
05 Floor joist	1
Floor corner bracket, front left	1
Floor corner bracket, front right	1
Floor corner bracket, rear	2
Short screw	12

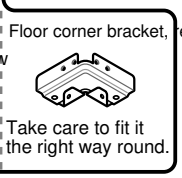
● Level the ground where the shed will be assembled.
● Join the floor frames with the floor corner brackets, line up the screw holes and loosely fix them with short screws.
● However, at the 2 places marked *, after checking level, press so there is no gap between the front floor frame and the left and right floor frames, and tighten firmly.

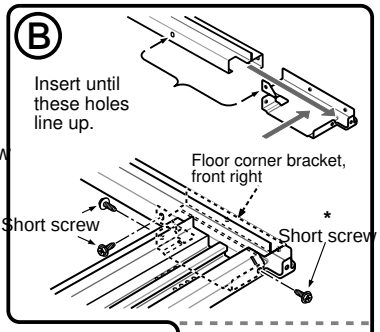
Check!!

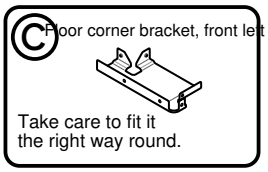
Always use a spirit level to get it level before assembling

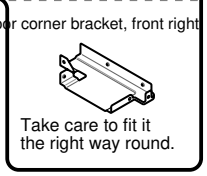












2. Assembling the corner posts, front and rear top frames, and left and right fascias

Parts used

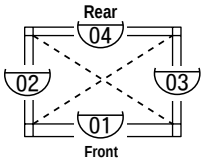
06 Corner post, front left	1
07 Corner post, front right	1
08 Corner post, rear left	1
09 Corner post, rear right	1
S15 Rear top frame	1
19 Front top frame	1
17 Left fascia	1
18 Right fascia	1
Short screw	26
Rubber cushion	4
Membrane grommet, small	2

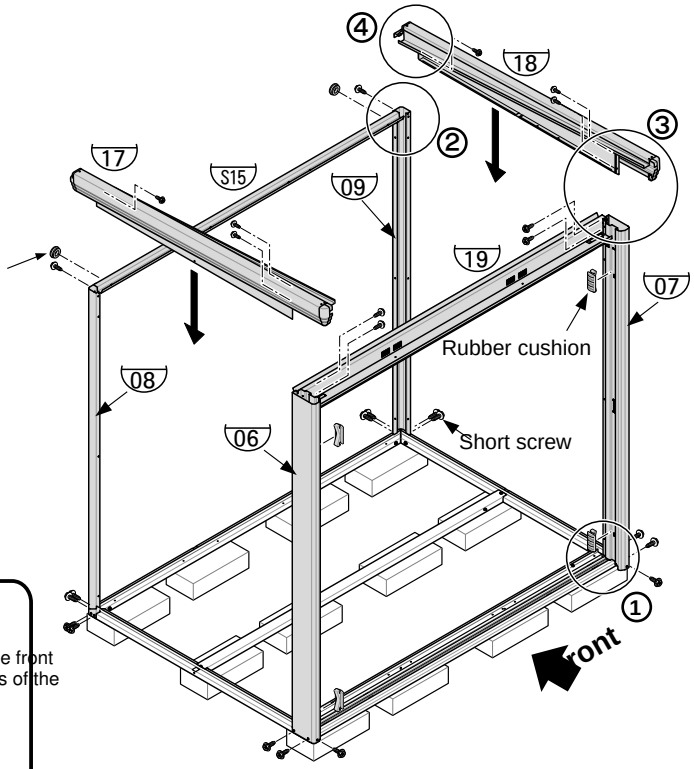
Membrane grommet, small

● Assemble in this order: corner posts, front and rear top frames, then left and right fascias.
● After fitting S15, close the holes at both ends with small membrane grommets. (These holes are for running electrical wiring.)

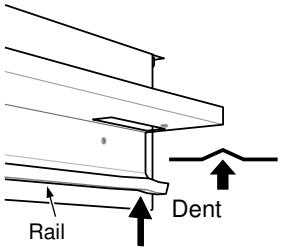
Check!!

● Check that the floor frame is square. It is square when the diagonals (dotted lines in the diagram below) are the same length.
● Line up the ends of the floor frame exactly.



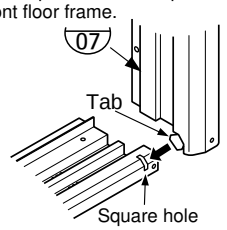


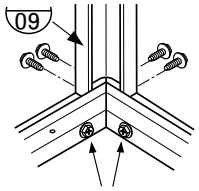
The front top frame rail has dents to stop the doors bouncing back.



①

Insert the tabs at the bottom of the front corner posts into the square holes of the front floor frame.

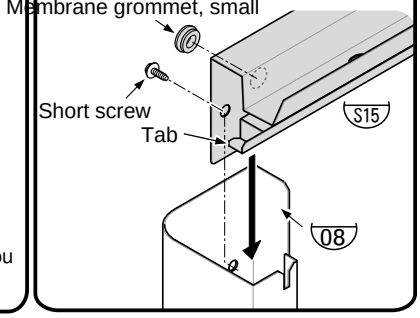


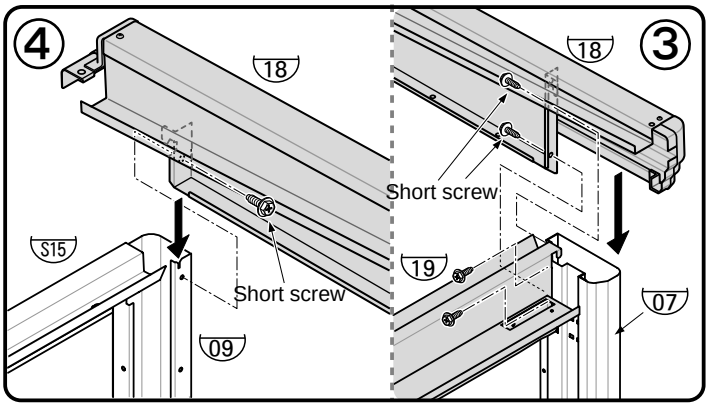


Firmly retighten the screws you loosely fitted in step 1.

②

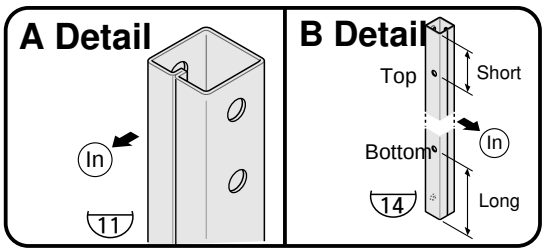
Line up the tabs of the rear top frame with the notches of the rear corner posts, insert from above and fix with short screws.



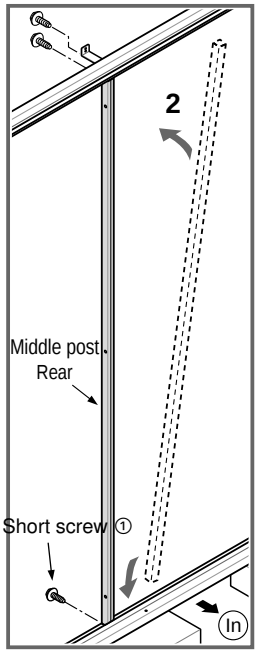


3. Assembling the middle posts (left/right, rear and front)

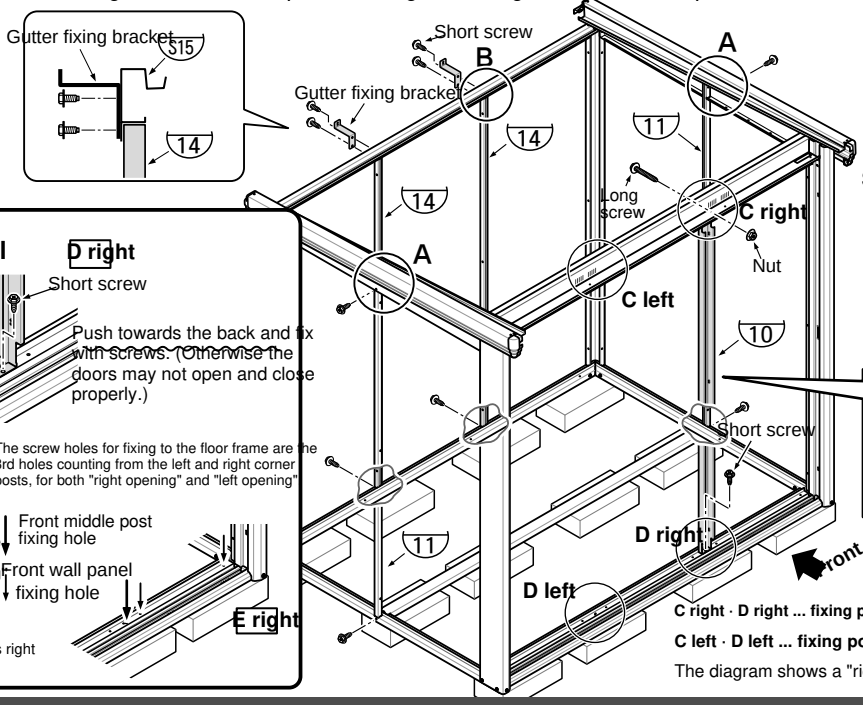
Parts used	
10 Middle post, front	1
11 Middle post, left/right	2
14 Middle post, rear	2
Gutter fixing bracket	2
Short screw	11
Long screw	1
Nut	1

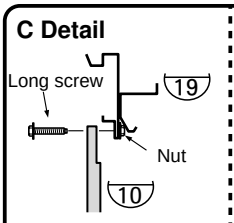


● Fit the left/right and rear middle posts from inside the shed:
① insert into the square holes of the floor frame, ② loosely fix with short screws. (Diagram at right)



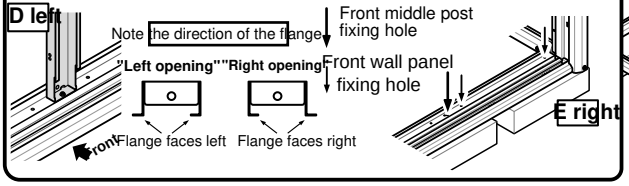
● When fitting the rear middle post, fit the gutter fixing bracket at the top.





For "left opening", turn the front middle post upside down and fit it on the left side of the front floor frame 01.

The screw holes for fixing to the floor frame are the 3rd holes counting from the left and right corner posts, for both "right opening" and "left opening"



When fitting the front middle post, take care not to forget to tighten the screws.

C right · D right ... fixing position for a "right opening" door
C left · D left ... fixing position for a "left opening" door
The diagram shows a "right opening" assembly example.

4. Assembling the floor panels

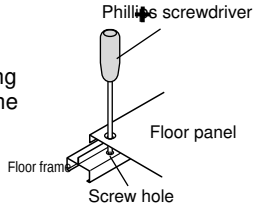
Parts used	
29 Floor panel, centre	1
30 Floor panel, end	2
Shoulder screw	12

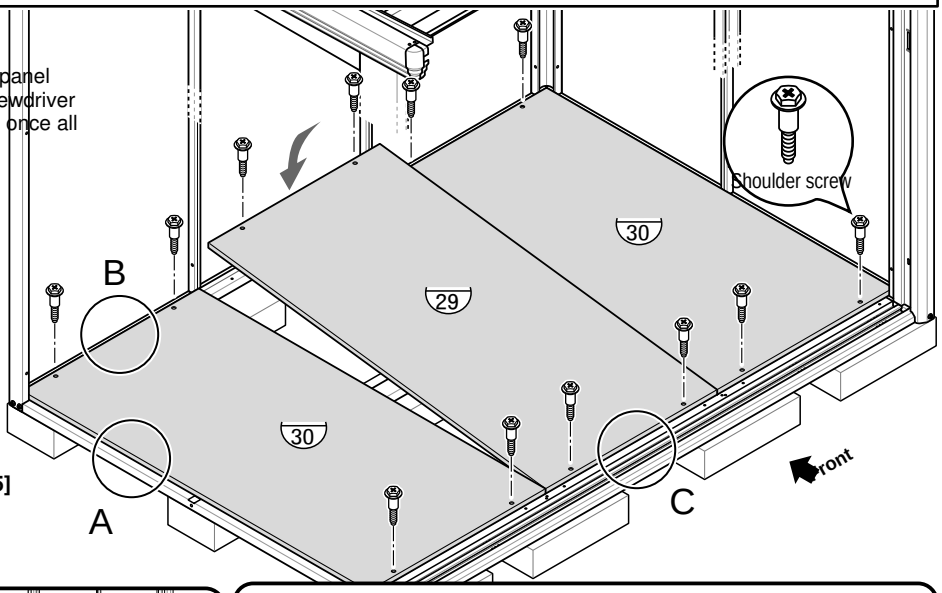
⚠ Take care with the fitting positions of the floor panel, centre 29 and the floor panel, end 30. Always fit the floor panel, centre 29 in the centre, and always fit the floor panel, end 30 at both the left and right ends. However, models 2012, 2014 and 2015 have 2 types of floor panel, end 30, so take care. Always fit the narrower one on the left and the wider one on the right. (See the part number table below.)

[Tips for lining up the floor panel screw holes]

To line up the floor frame screw holes with the floor panel fixing holes, work the hole slightly with a Phillips screwdriver to line them up. Also, first fit the screws loosely, and once all the screws line up, tighten them firmly.

(Caution)
Take care when fitting so you do not strip the screws in the screw holes.

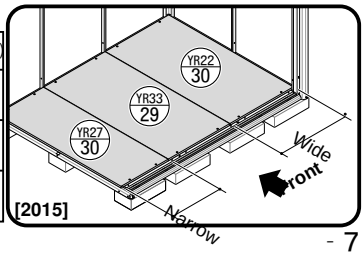




[2215]

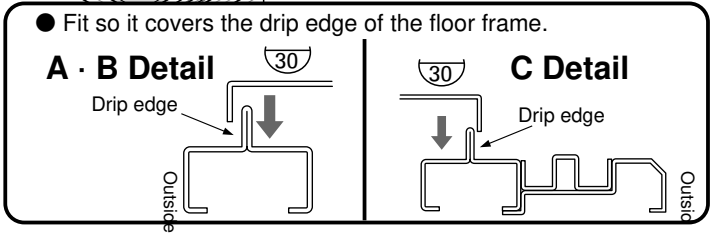
● Floor panel part numbers

	Left (narrow)	Centre	Right (wide)
2012	YR20 / 30	YR20 / 29	YR17 / 30
2014	YR25 / 30	YR30 / 29	YR21 / 30
2015	YR27 / 30	YR33 / 29	YR22 / 30



[2015]

● Fit so it covers the drip edge of the floor frame.



5. Assembling the roof panels and purlin

Parts used

27 Roof panel

ND-1812/1814/1815 /2012/2014/2015	2
ND-2212/2214/2215	3

28 Roof panel, small

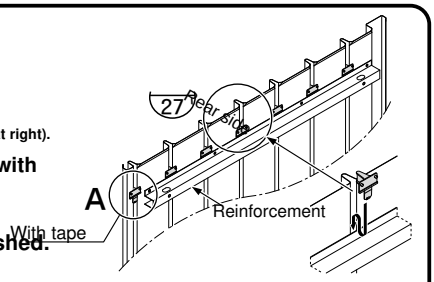
ND-1812/1814/1815 /2012/2014/2015	2

Short screw ——— 12
Snow stop ——— 3 bags
***1812/1814/1815/2012/2014/2015** models: 1 bag of snow stops is left over.
16 Purlin ——— 1
Long screw ——— 10
Nut ——— 10

Before assembling the roof panels

● Fit the snow stops (dust stops) to the rear side of 27.
27: use 1 bag for each panel. (Some models include spares.)
Do not fit them to 28.
· **The ones with tape (1 per bag) are used where there is no reinforcement (part A in the diagram at right).**

*** However, on models 2212, 2214 and 2215, do not fit a snow stop (with tape) at the right end (part B in the diagram below).**



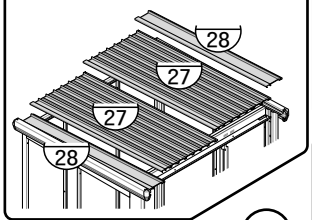
● Lay the roof panels starting from the left side as you face the shed.

Checking the purlin!!

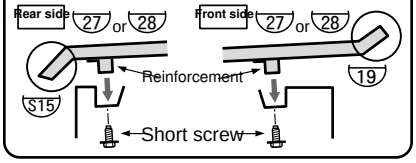
● Take care with the direction of the purlin (the higher side is the front) when fitting it.

[Assembling the roof panels]

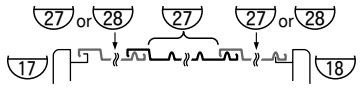
1812/1814/1815/2012/2014/2015
28 27 27 28



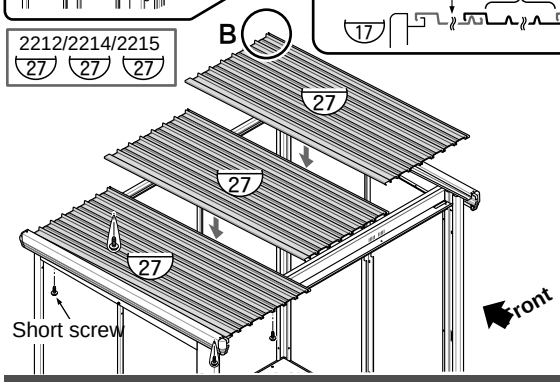
Take care with the direction of the roof when fitting.



How the roof panels overlap (cross section seen from the front)



2212/2214/2215
27 27 27

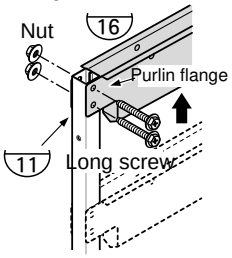


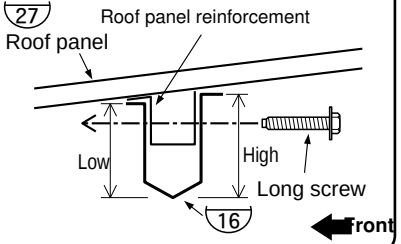
[Assembling the purlin]

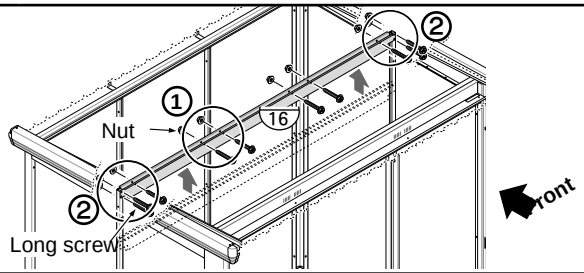
① With the purlin lifted up, pass long screws through the centre (2 screws). (Fit it so the purlin flanges sandwich the middle post.)

② Pass long screws through both ends and tighten with nuts. (The right side is done the same way.)

Tighten all the screws with nuts.







6. Assembling the wall panels and front wall panel

Parts used

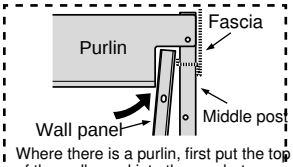
20 Wall panel, large

ND-1812	1
ND-2012	2
ND-1814/2212	3
ND-2014	4
ND-1815/2214	5
ND-2015	6
ND-2215	7

21 Wall panel, small

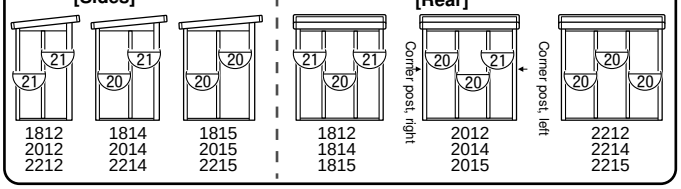
ND-2015	1
ND-1815/2214	2
ND-2014	3
ND-1814/2212	4
ND-2012	5
ND-1812	6

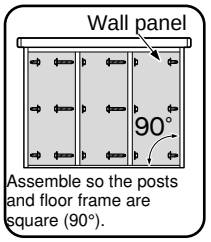
Aluminium hook ——— 3
(Load capacity: 2 kg per hook)
24 Front wall panel ——— 1
Short screw ——— 26
Long screw ——— 12
Nut ——— 12
Hole plug cap, small 3



Where there is a purlin, first put the top of the wall panel into the gap between the purlin and the middle post, then insert it into the gap at the floor.

Wall panel fitting positions





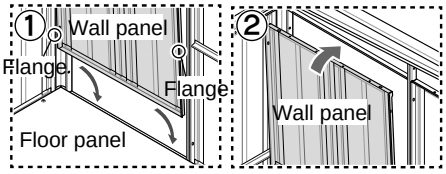
Assemble so the posts and floor frame are square (90°).

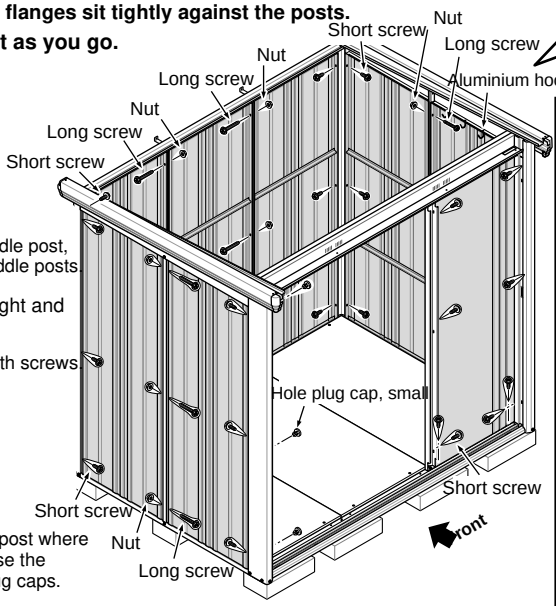
● How to insert the wall panels

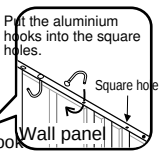
① First insert the bottom. Insert so the flanges at both ends of the wall panel go into the gap between the floor panel and the post.

② Raise the top and push the wall panel in so the flanges sit tightly against the posts.

*** Each time you insert a wall panel, loosely fix it as you go.**

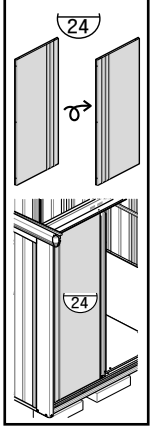






For "left opening"

Turn upside down and fit.



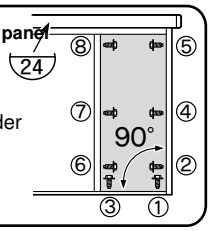
● Use short screws to fix to the corner posts and front middle post, and long screws and nuts to fix to the left/right and rear middle posts.

● After fitting the wall panels, firmly retighten the left/right and rear middle posts that you loosely fixed earlier.

● Press the wall panels firmly against the posts and fix with screws.

● Assembling the front wall panel

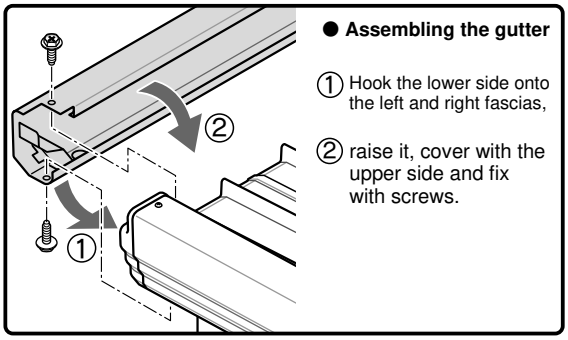
To assemble the posts and floor frame square (90°), tighten the screws in the order ① to ⑧.

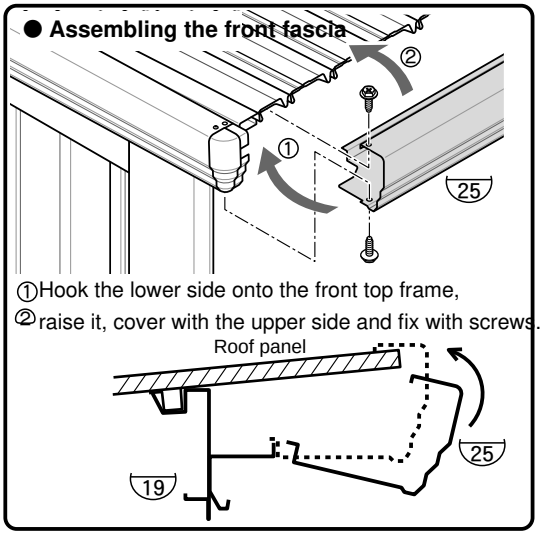


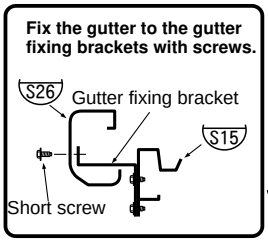
* On the side of the front corner post where no front wall panel is fitted, close the screw holes with small hole plug caps.

7. Assembling the front fascia, gutter and step cover

Parts used	
25 Front fascia	1
S26 Gutter	1
51 Step cover	1
Hole plug φ17	3
Short screw	13



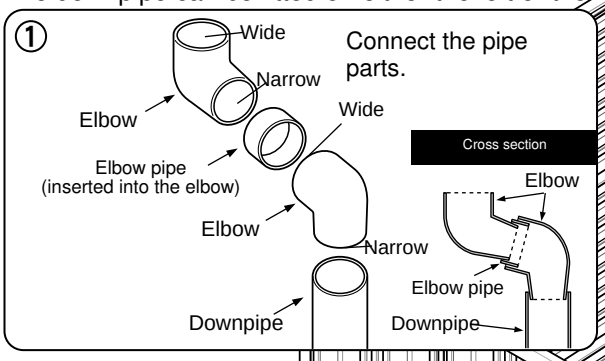


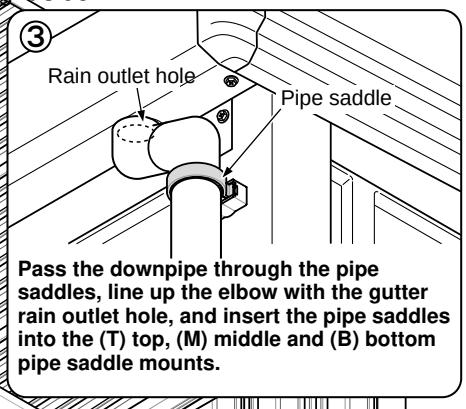


8. Assembling the downpipe

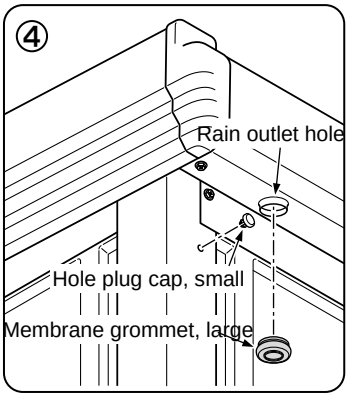
Parts used	
Downpipe	1
Elbow pipe	1
Elbow	2
Pipe saddle	3
Pipe saddle mount	3
Membrane grommet, large	1
Hole plug cap, small	3
Short screw	3

● The downpipe can be fitted on either the left or the right side.

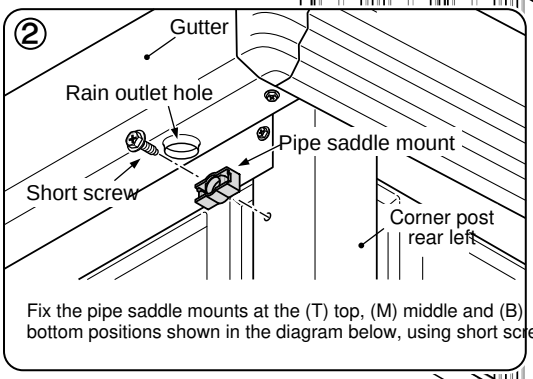


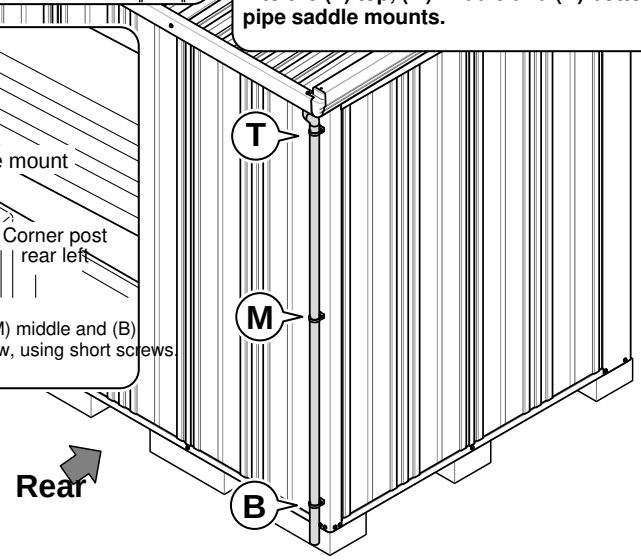


Pass the downpipe through the pipe saddles, line up the elbow with the gutter rain outlet hole, and insert the pipe saddles into the (T) top, (M) middle and (B) bottom pipe saddle mounts.

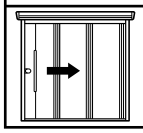
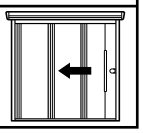


On the side where the downpipe is not fitted, close the rain outlet hole with a large membrane grommet, and insert small hole plug caps into the corner post screw holes (at the (T) top, (M) middle and (B) bottom positions).





9. Fitting the doors ("right opening")

Right opening	Left opening
	

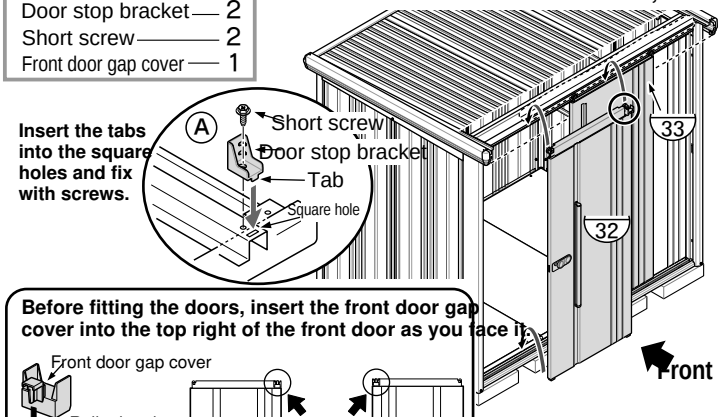
Parts used

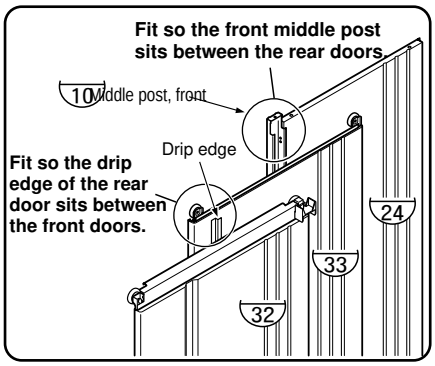
(32) Front door	1
(33) Rear door	1
Door stop bracket	2
Short screw	2
Front door gap cover	1

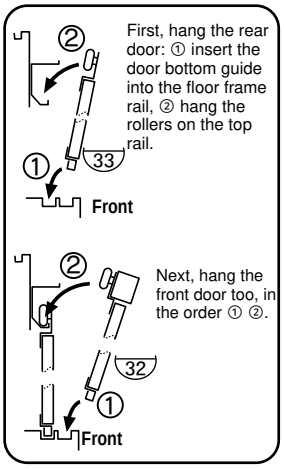
● **For "left opening", see "9-2. Assembling and fitting the doors".**

● **Fit the door stop brackets on the handle side on the back of the front door. (2, top and bottom) See (A).**

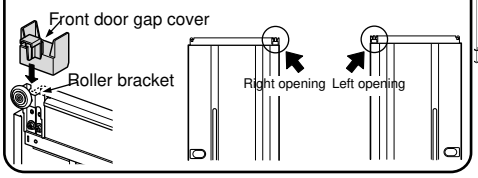
*** Take care not to scratch the doors, the 2 lock latch, etc. during assembly.**





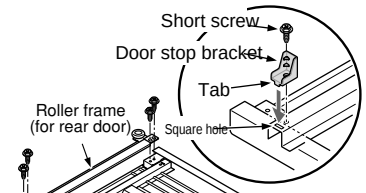


Before fitting the doors, insert the front door gap cover into the top right of the front door as you face it.



9-2: Assembling and fitting the doors ("left opening")

● **Fitting the door stop brackets**



Fit the door stop brackets on the handle side of the front door. (2, top and bottom) Insert the tabs into the square holes and fix with screws.

Note **How to fit the roller frames (front and rear doors)**

With the screws loosely in place, push the roller frame up as far as it goes and tighten firmly.

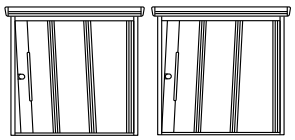
● **Swapping the roller frames, door bottom guides and gap covers**

For both the front and rear doors, remove the roller frames, gap covers and door bottom guides, swap their positions and reassemble.

*** Take care not to scratch the doors, the 2 lock latch, etc. during assembly.**

10. Adjusting the door fit

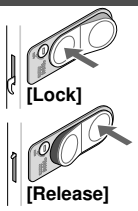
● Before fitting the top cover, always check the following.

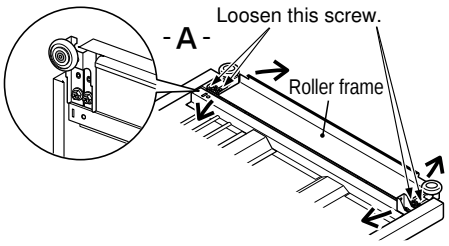


① Open the door fully to the end, then close it.

② Check that the front door is not leaning against the front corner post as shown in the diagram at left, and that the 2 lock latch locks smoothly.

③ If there is a problem, adjust as shown in diagram A.



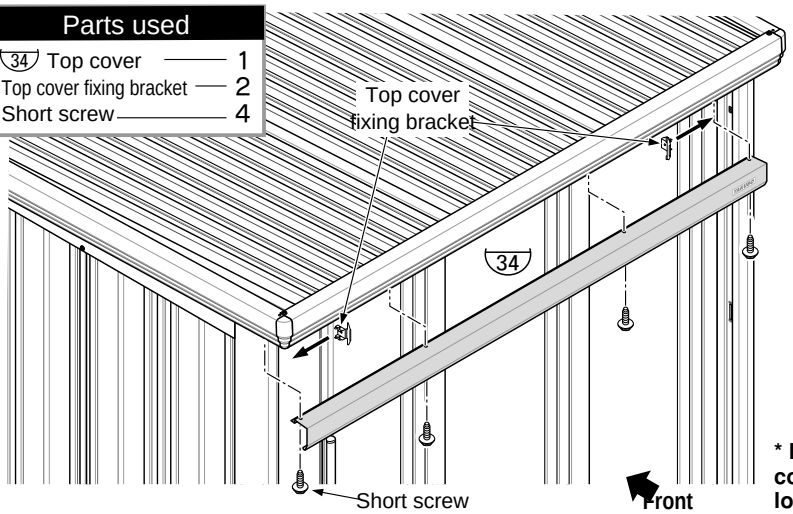


● Lift the door off the rail, loosen the screws (4) holding the roller frame and adjust the lean. After checking, tighten these screws firmly.

11. Assembling the top cover

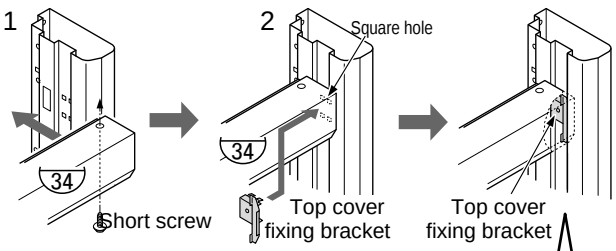
Parts used

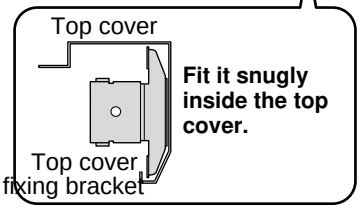
(34) Top cover	1
Top cover fixing bracket	2
Short screw	4



① **Put it between the front corner posts and loosely fix the screws to the front top frame.**

② Insert the top cover fixing brackets into the square holes.



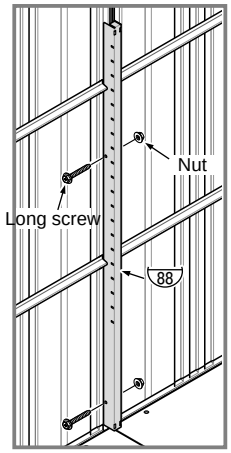


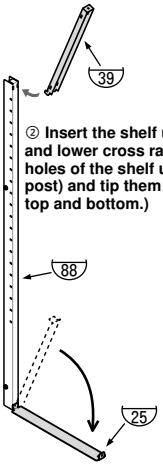
*** Finally, tighten the top cover screws that you loosely fixed.**

12-1. (Rear shelf version) Fitting the shelf uprights

B: Fitting to the middle post

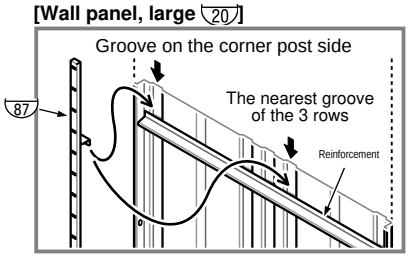
① Fit the shelf upright (middle post) using the screws that hold the wall panel (the shed body fixing screws).



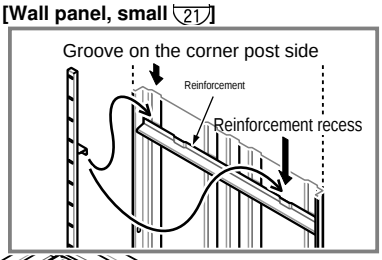


② Insert the shelf upright cross rail and lower cross rail into the square holes of the shelf upright (middle post) and tip them down. (Same for top and bottom.)

[Wall panel, large 20]

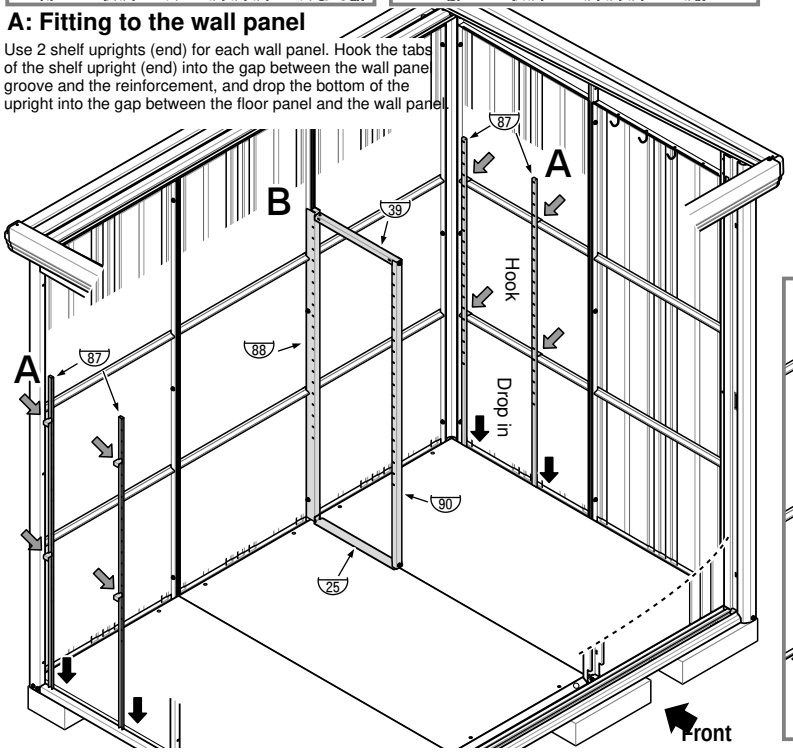


[Wall panel, small 21]

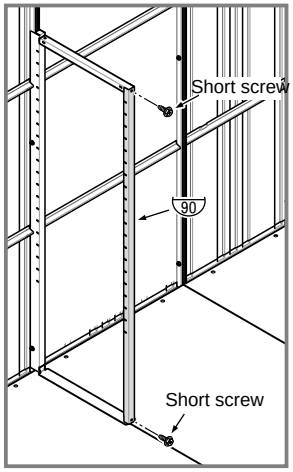


A: Fitting to the wall panel

Use 2 shelf uprights (end) for each wall panel. Hook the tabs of the shelf upright (end) into the gap between the wall panel groove and the reinforcement, and drop the bottom of the upright into the gap between the floor panel and the wall panel.



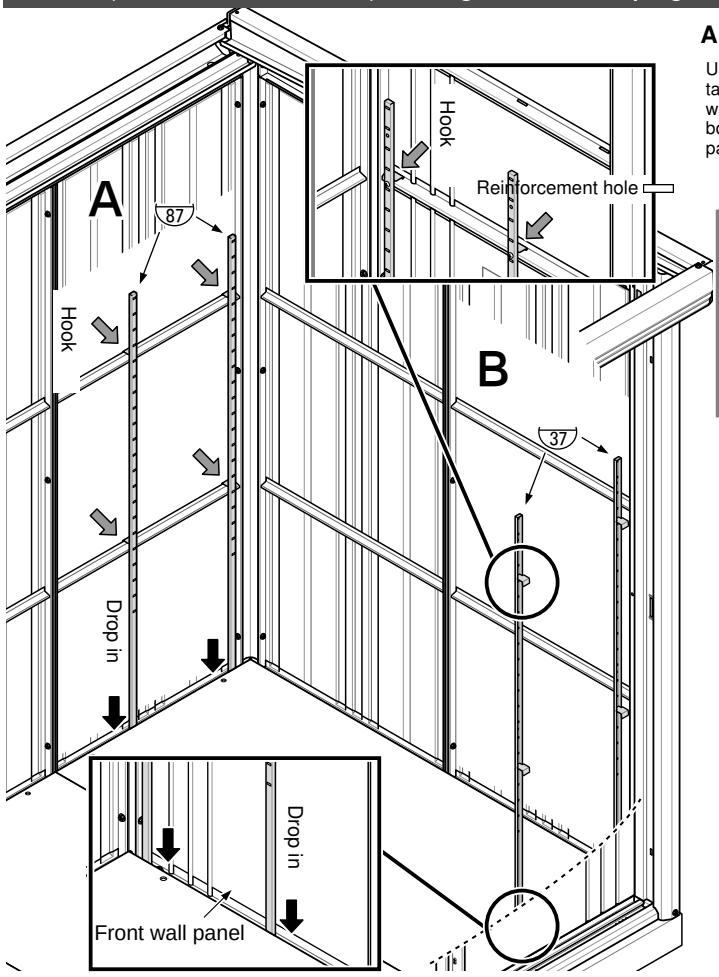
③ Fit the shelf upright (middle) with short screws.



Parts used

87	Shelf upright (end)	4
88	Shelf upright (middle post)	1
39	Shelf upright cross rail	1
25	Shelf upright lower cross rail	1
90	Shelf upright (middle)	1
	Short screw	2

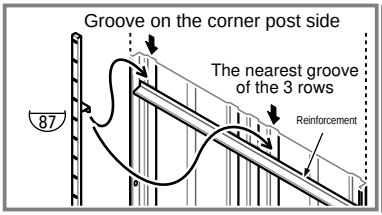
12-2. (Side shelf version) Fitting the shelf uprights



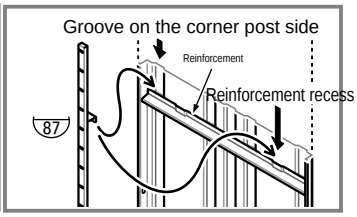
A: Fitting to the wall panel

Use 2 shelf uprights (end) for each wall panel. Hook the tabs of the shelf upright (end) into the gap between the wall panel groove and the reinforcement, and drop the bottom of the upright into the gap between the floor panel and the wall panel.

[Fitting to wall panel, large 20]



[Fitting to wall panel, small 21]



Parts used

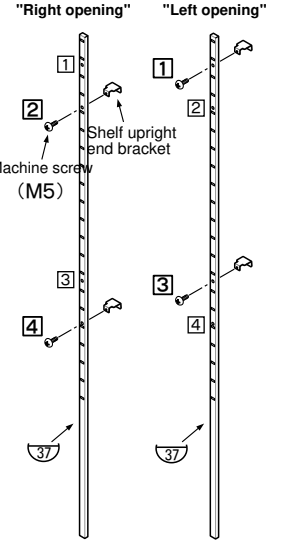
87	Shelf upright (end)	2
37	Shelf upright (front wall)	2
	Shelf upright end bracket	4
	Machine screw (M5)	4

B: Fitting to the front wall

Fit 2 shelf upright end brackets to each shelf upright (front wall).

① On the shelf upright (front wall), the position of the shelf upright end brackets depends on the door opening direction.
For the "right opening" type, fit them to the 2nd and 4th round holes from the top.
For the "left opening" type, fit them to the 1st and 3rd round holes from the top. (Diagram at right)

② Hook the shelf upright end brackets into the ▭ holes in the front wall panel reinforcement, and drop the bottom of the upright into the gap between the floor panel and the front wall panel.



13. Fitting the shelf boards

Parts used

(Rear shelf version)

Shelf bracket ——— 16

TY20 335 Shelf board (large)

ND-1812/1814/1815 /2012/2014/2015	2

TY33 335 Shelf board (large)

ND-2212/2214/2215	2

* The shelf brackets are packed with the shelf boards.

TY20 336 Shelf board (small)

ND-1812/1814/1815	2

TY33 336 Shelf board (small)

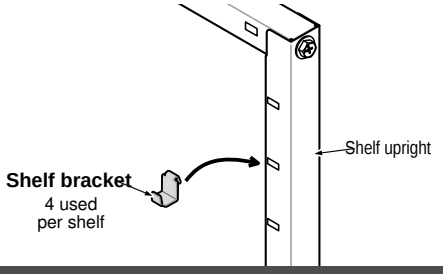
ND-2012/2014/2015 /2212/2214/2215	2

(Side shelf version)

Shelf bracket ——— 8 TY33 335 Shelf board (large) ——— 2

● Fit the shelf brackets to the shelf uprights and place the shelf boards on them.
● Fit them while thinking about the shelf heights you want.
■ Shelf height adjustment ... adjustable in 21 steps at 5 cm intervals.
* The part number sticker for the shelf board is on the underside. Please check it.

⚠ Make sure the shelf boards sit properly down in the shelf brackets. Falling items could cause injury.



14. Fitting the anchor plates, M6 screw caps and square hole caps

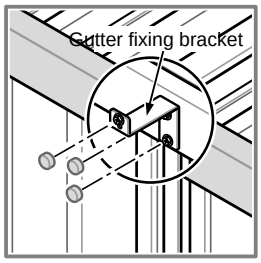
Parts used

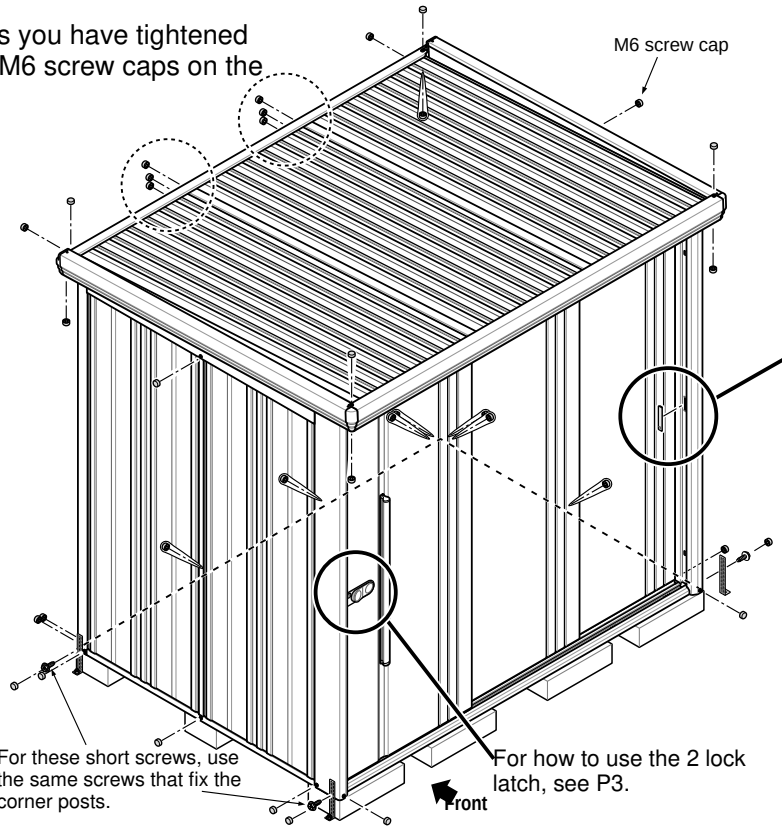
Anchor plate, large	4
Anchor plate, small	*4
Short screw	*8
M6 screw cap	36
Square hole cap	1

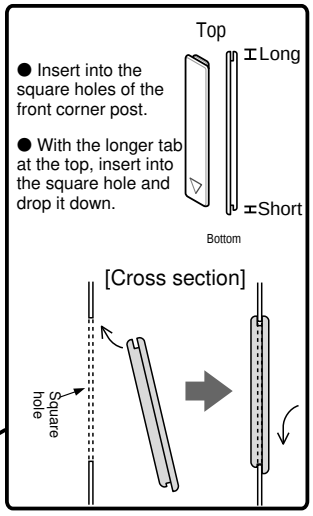
· To prevent the shed from blowing over, you must carry out the anti tip measures.
· Fit the anchor plates using the screws at the bottom of the left and right corner posts.
· Buy the expansion anchors (M10 or M8) separately from a hardware store.
· For the foundation diagrams, see page 5.

* Only where the floor is soil and the block height is over 120 mm, use the small anchor plates (4) and short screws (8). Normally (block height about 100 mm), the small anchor plates and short screws are not used.

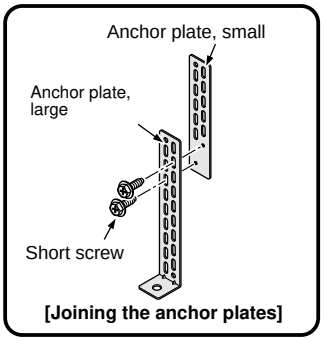
● Retighten all the screws you have tightened so far once more, then fit M6 screw caps on the screw heads.



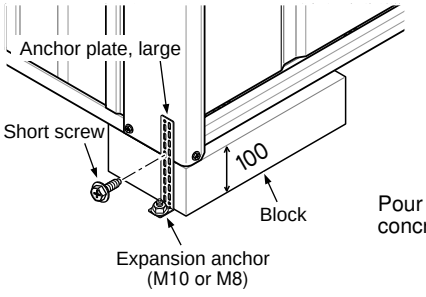




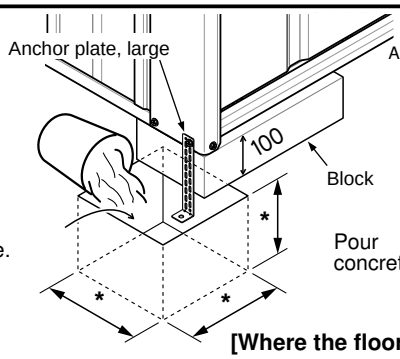
* For "right opening", fit to the front right corner post. For "left opening", fit to the front left corner post.

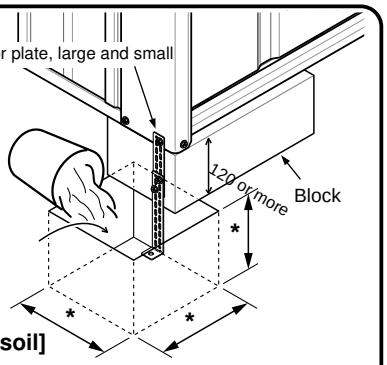


[Joining the anchor plates]



[Where the floor is concrete]





[Where the floor is soil]

*** = foundation dimensions**
Sizes differ by model, so see the table on page 5 for details.

Assembly is now complete.