

Cantaport made in Japan certified to AU standards

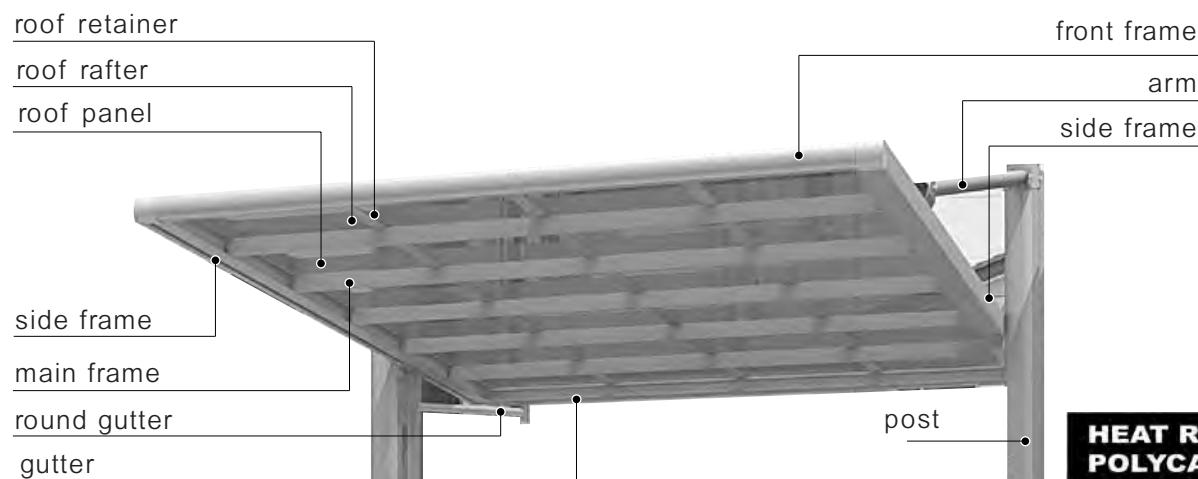
RSC Series Installation Manual

HZ0966-E

Thank you very much for choosing our company's Cantaport products.

Please be sure to thoroughly read these instructions for assembling the Cantaport product in conjunction with the engineering details. DIY or Authorised Cantaport installations must follow the manufacturer's assembling manual to avoid warranty cover. Please retain the manual for future reference and maintenance inspection.

Name of Part



	Structural Aluminum Frame
	Anodized Surface Finish
	Certified to 147KM wind rating
	Integrated Built in Gutter & Down Pipe attachment
	Resilient, Compact, Weatherproof Corrosion & Termite free, long lasting
	D.I.Y Kits, Pre Cut, Pre Drilled, Flat Pack including all fixings
	Manufactured in Japan & Certified to AU/NZ and International Standards



HEAT REDUCTION POLYCARBONATE	
AO	Blue Smoke
	Blocks out 99% UV Rays
	Reduces Heat by 83%
	250 Times Stronger than glass
	Allows 50% Filtered light
	Solid Polycarbonate
	Guaranteed to not crack*



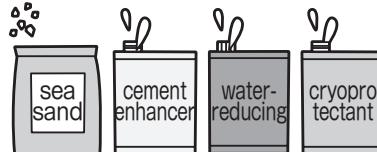
Wide



Precautions during construction

- Follow the instructions and be sure that all the specified screws and bolts for assembly are tightened securely
- Tighten the M8 bolts about 13Nm (130kgfcm) tightening torque.
- Do not use anything other than the specified parts or accessory parts.
- The foundation should comply with the certified engineering specifications page 4 .
- Allow sufficient curing time for the concrete and do not place heavy objects on it or subject it to vibrations during curing.
- Caution note below to prevent aluminum materials corrode.

- (1) Do not use sea sand for the foundation since it contains salt and may cause corrosion. Do not use a cement enhancer, water-reducing agent or cryoprotectant. They may cause the posts to corrode.
- (2) Immediately wipe off any mortar or stains from the surface of the aluminum parts as they may cause corrosion.



Necessary Tools and Materials for Installation

- Electric drill
- Ratchet wrench, Adjustable wrench
- Measure, Level, Plumb bob
- Concrete (Cement, Aggregate, etc)
- Silicon, Caulk gun, pallet
- Grinder
- Please prepare tools and materials as required

COLOUR SELECTION

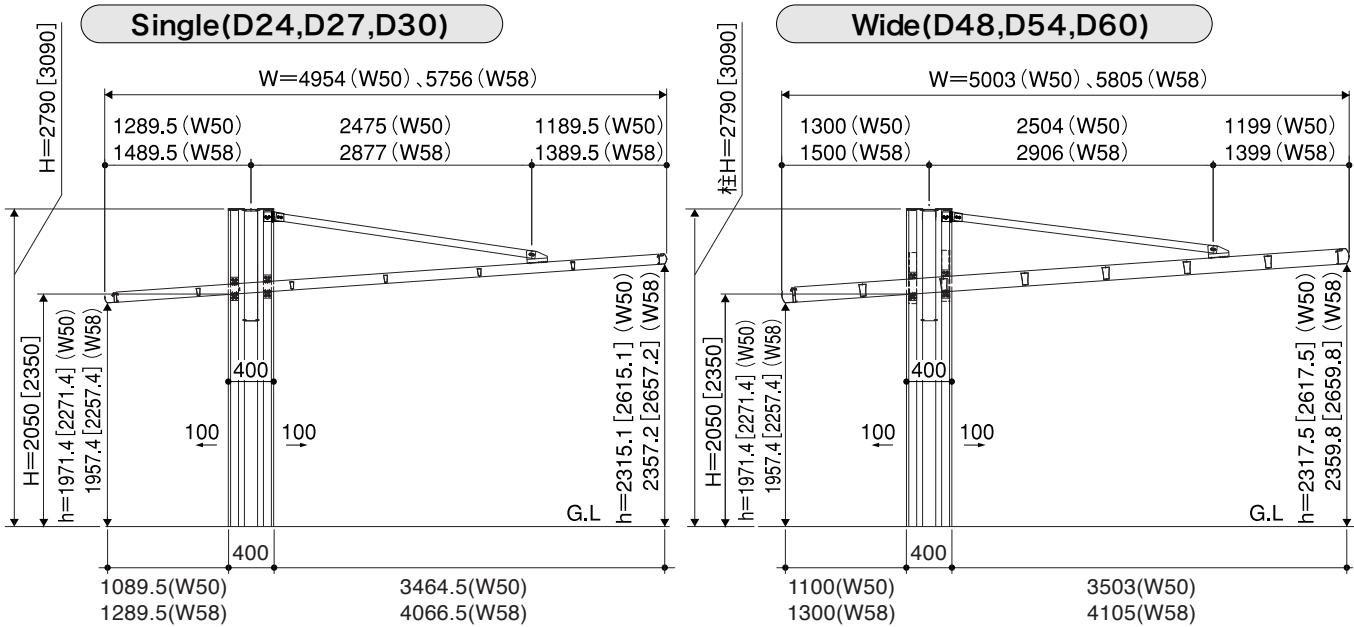
aluminium type
SLC Sun Silver
UC Urban Gray



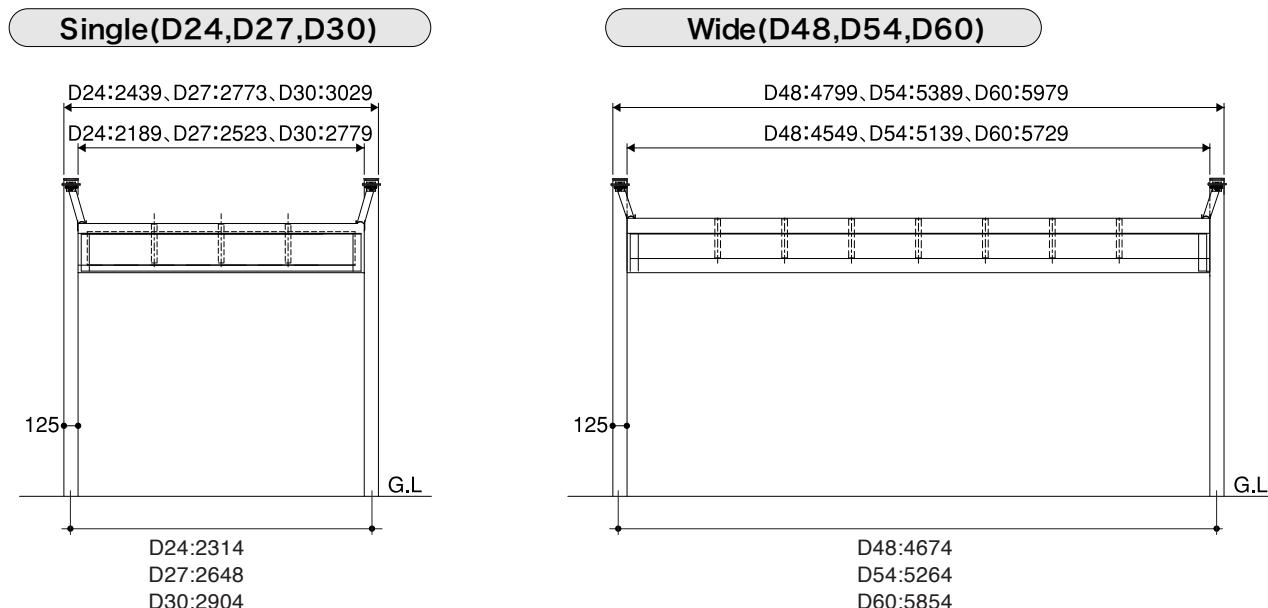
Dimension, Position of Posts and Base Dimension

Dimension, Position of Post

- Length Dimension(W), Height Dimension(H) and Post Standard Position
(post could be changed as the dimension of ← →)
(Length 50 · 58size, Height 20 size, () Height 23 size)

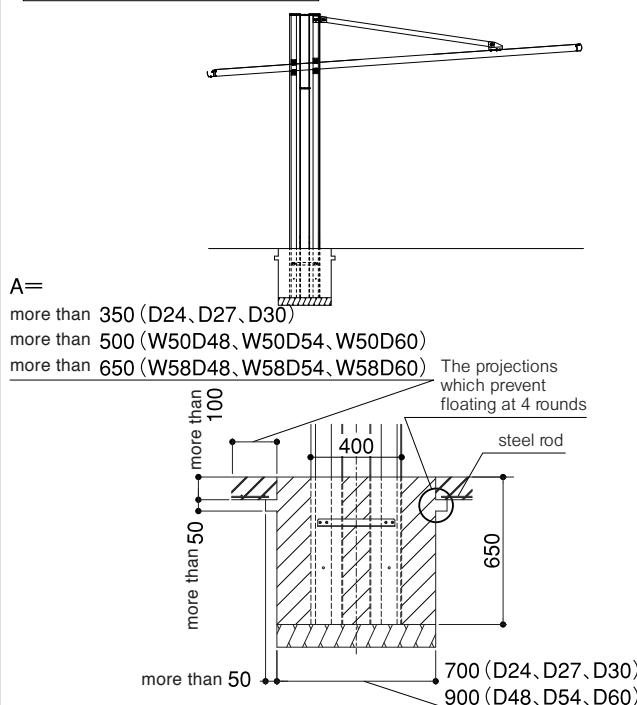


- Depth Dimension (D)
(Depth24 · 27 · 30 · 48 · 54 · 60size)

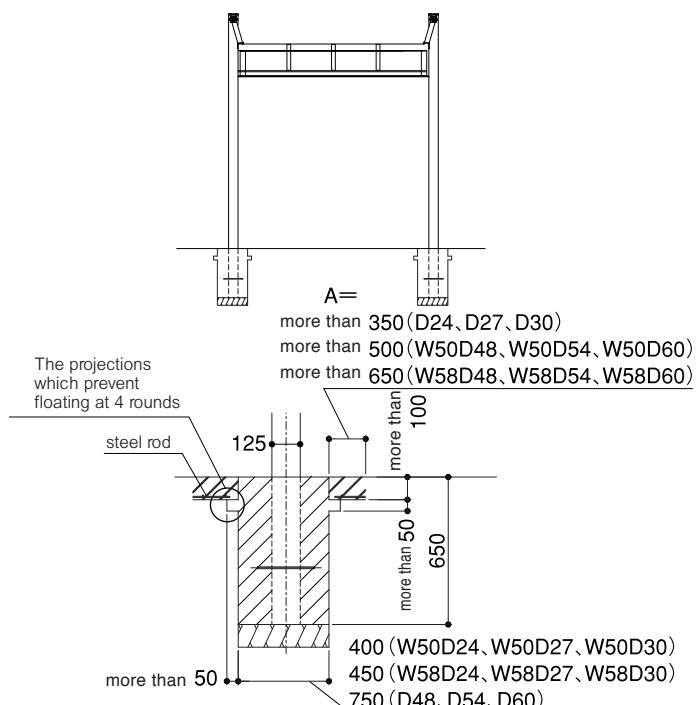


Base Dimension

1. Concrete Floor



■ Length Direction

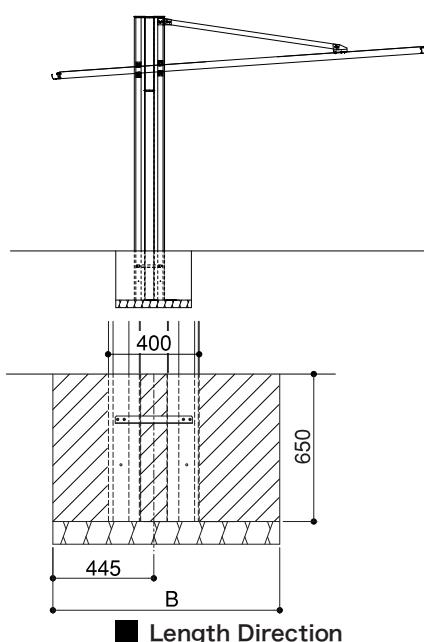


■ Depth Direction

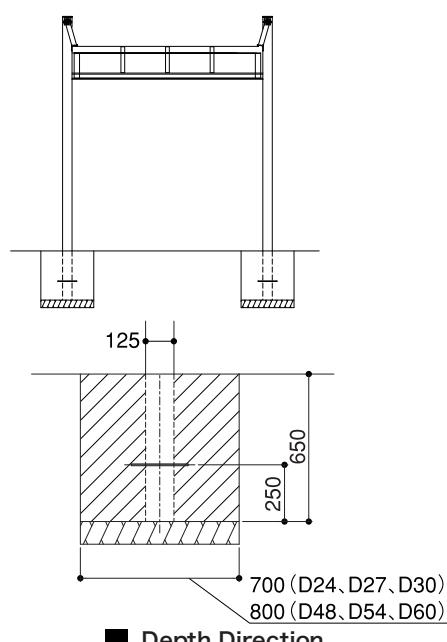
※ In case of using standard size in concrete floor, please install under below condition

- 1) Thickness of concrete floor is more than 100mm.
- 2) Steel rod and welding wire net are arranged in concrete floor.
- 3) Dimension of projection which prevents floating at 4 rounds is more than 50mm×50mm
- 4) Distance (A) from outside edge of base to around concrete floor is more than dimension specifications.

2. Solid Ground



■ Length Direction



■ Depth Direction

■ In case of 100KN/m² Endurance strength of ground

	5024, 5027 5030	5824, 5827 5830	5048, 5054 5060	5848, 5854 5860
B	1000	1200	1600	1900

■ In case of 50KN/m² Endurance strength of ground

	5024, 5027 5030	5824, 5827 5830	5048, 5054 5060	5848, 5854 5860
B	1200	1400	1800	2000

Post · Main Frame List

post type	①	②
section		
Parts ID	RSCH-20R RSCH-20L RSCH-23R RSCH-23L	RSCH-W20R RSCH-W20L RSCH-W23R RSCH-W23L

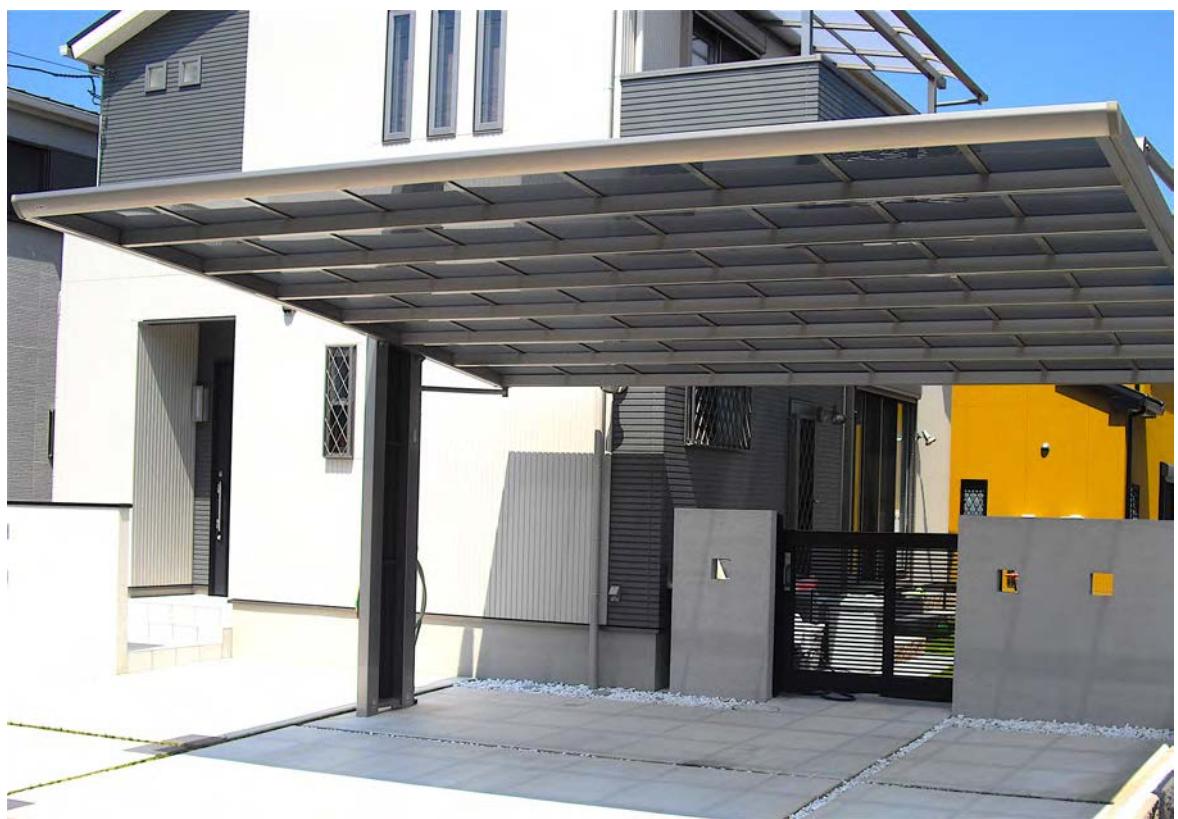
main frame type	①	②	③	④
section				
Parts ID	RSCN-24-2 RSCN-24-3 RSCN-27-2 RSCN-27-3	RSCN-30-2 RSCN-30-3	RSCN-48-2 RSCN-48-3 RSCN-54-2 RSCN-54-3	RSCN-60-2 RSCN-60-3

■ Single

body size	type	component parts		
		post		main frame
Depth D	Length W	standard post	long post	
24	50	①	①	①
	58			
27	50	①	①	①
	58			
30	50	①	①	②
	58			

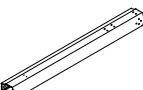
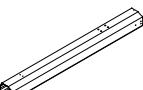
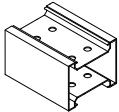
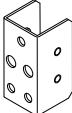
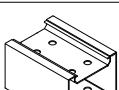
■ Wide

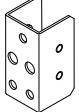
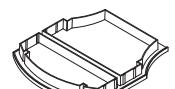
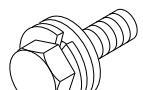
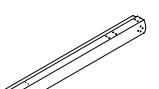
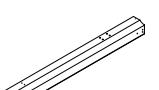
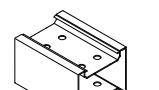
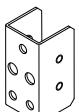
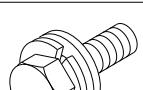
body size	type	component parts		
		post		main frame
Depth D	Length W	standard post	long post	
48	50	②	②	③
	58			
54	50	②	②	③
	58			
60	50	②	②	④
	58			



Parts Contents

- Please open the captioned carton and check all contents in advance.
- Please check the parts defective or any damage.
- We packed some extra screw in the parts box. (x) number is necessary Q'ty for installation.

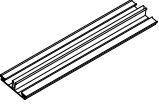
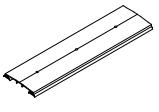
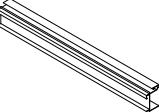
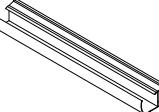
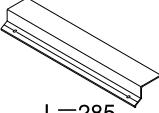
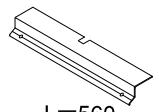
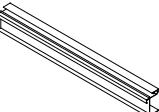
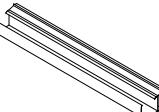
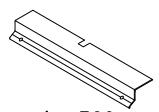
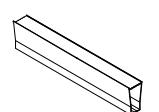
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	name	shape	quantity
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	post (gutter side)		1
	post connecting parts		1
	connecting bracket GB3929		2
	post fixing parts GB3939		1
	post cap GB4022		2
	hexagon bolt (with washer,spring washer) M8×25		14
	small truss screw 5×10×10		4
	flat head screw 4×12×8		2
	instruction manual notice be sure to return to the owner		1
post set L (single) RSCH-20L RSCH-23L	post (front frame side)		1
	post (gutter side)		1
	post connecting parts		1

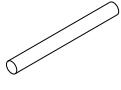
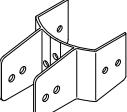
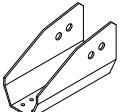
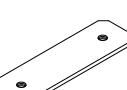
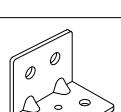
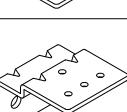
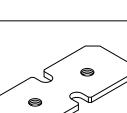
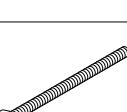
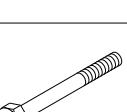
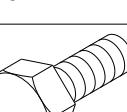
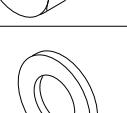
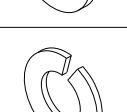
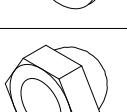
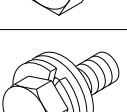
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	name	shape	quantity
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	post fixing parts GB3939		1
	post cap GB4022		2
	hexagon bolt (with washer,spring washer) M8×25		14
	small truss screw 5×10×10		4
	flat head screw 4×12×8		2
	post set R (wide) RSCH-W20R RSCH-W23R		1
post set R (wide) RSCH-W20R RSCH-W23R	post (gutter side)		1
	post connecting parts		1
	connecting bracket GB3929		2
	post fixing parts GB3939		1
	post cap GB4022		2
hexagon bolt (with washer,spring washer) M8×25	hexagon bolt (with washer,spring washer) M8×25		14

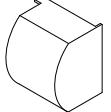
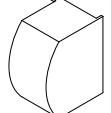
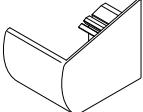
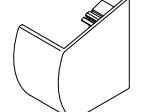
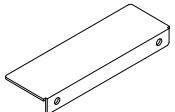
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	name	shape	quantity
post set R (wide) RSCH-W20R RSCH-W23R	small truss screw 5×10×10		4
	flat head screw 4×12×8		2
	hexagon nut M8		6
	instruction manual notice be sure to return to the owner		1
post set R (wide) RSCH-W20L RSCH-W23L	post (front frame side)		1
	post (gutter side)		1
	post connecting parts		1
	connecting bracket GB3929		2
	post fixing parts GB3939		1
	post cap GB4022		2
	hexagon bolt (with washer spring washer) M8×25		14
	small truss screw 5×10×10		4
	flat head screw 4×12×8		2
	hexagon nut M8		6

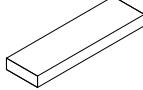
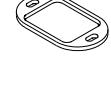
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post ornament set RSCHK	post ornament		2
	ornament bracket GB5292		8
	drilling screw 4×10×8		17 (16)
arm set (single) RSCA-50 RSCA-58	arm		2
	arm set (wide) RSCA-W50 RSCA-W58		2
side frame set (single) RSCE-50 RSCE-58	side frame		Right Left each 1 pc
	end roof retainer		2
	round gutter GA4923		1
	round gutter GA4923		1
	side frame		Right Left each 1 pc
side frame set (wide) RSCE-W50 RSCE-W58	end roof retainer		2
	round gutter GA4923		2
	round gutter GA4923		2
	side frame		Right Left each 1 pc

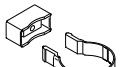


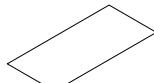
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	name	shape	quantity
roof rafter set (single) RSCU-50A RSCU-50B RSCU-58A RSCU-58B RSCU-5048 RSCU-5054 RSCU-5060 RSCU-5848 RSCU-5854 RSCU-5860	roof rafter		RSCU-50A 2
			RSCU-50B 3
			RSCU-5048 6
			RSCU-5054 7
			RSCU-5060 8
	roof retainer		RSCU-50A 2
			RSCU-50B 3
			RSCU-5048 6
			RSCU-5054 7
			RSCU-5060 8
gutter· front frame set (single) RSCY-24 RSCY-27 RSCY-30	front frame		1
	gutter		1
	gutter attachment (end) L=413		RSCY-24 2
			RSCY-27 —
			RSCY-30 2
	gutter attachment (end) L=285		RSCY-24 —
			RSCY-27 2
			RSCY-30 —
	gutter attachment (middle) L=560		RSCY-24 2
			RSCY-27 3
			RSCY-30 3
gutter· front frame set (wide) RSCY-48 RSCY-54 RSCY-60	front frame		1
	gutter		1
	gutter attachment (end) L=413		RSCY-48 2
			RSCY-54 2
			RSCY-60 2
	gutter attachment (middle) L=560		RSCY-48 6
			RSCY-54 7
			RSCY-60 8
main frame set	main frame		RSCN-00-2 2
RSCN-24-2 RSCN-27-2 RSCN-30-2 RSCN-48-2 RSCN-54-2 RSCN-60-2 RSCN-24-3 RSCN-27-3 RSCN-30-3 RSCN-48-3 RSCN-54-3 RSCN-60-3			RSCN-00-3 3

Parts ID	content		
	name	shape	quantity
parts box	anchor rod GA0302		4
	arm hanging bracket GB5195		2
	arm holder GB3932		2
	back plate (arm holder) GB3934		2
	side frame fixing bracket (upper) GB3935		Right Left each 2 pcs
	side frame fixing bracket (under) GB3936		Right Left each 2 pcs
	back plate (side frame fixing bracket) GB3938		4
	hexagon bolt M10×150		4
	hexagon bolt M10×95-30		8
	hexagon bolt M10×25		20
washer 10	washer 10		52
	spring washer 10		32
	cap nut M10		12
	hexagon bolt (with washer,spring washer) M8×20		12

Parts ID	content		
	name	shape	quantity
parts box RSCB-5024 RSCB-5027 RSCB-5030 RSCB-5824 RSCB-5827 RSCB-5830 RSCB-5048 RSCB-5054 RSCB-5060 RSCB-5060 RSCB-5848 RSCB-5854 RSCB-5860	drilling screw 5×16×10		RSCB-5024 29 (28)
			RSCB-5027
			RSCB-5030
			RSCB-5048
			RSCB-5054 37 (36)
			RSCB-5060
	front frame cap (single) GB3950		RSCB-5○24 Right Left each 1 pc
			RSCB-5○27
			RSCB-5○30
	front frame cap (wide) GB3951		RSCB-5○48 Right Left each 1 pc
			RSCB-5○54
			RSCB-5○60
	gutter cap (single) GB3952		RSCB-5○24 Right Left each 1 pc
			RSCB-5○27
			RSCB-5○30
	gutter cap (wide) GB3953		RSCB-5○48 Right Left each 1 pc
			RSCB-5○54
			RSCB-5○60
	post ornament cap GB4717		8
	arm cap GB5298		2
	side frame fixing bracket cap GB5290		Right Left each 2 pcs
	small truss screw 5×10×10		RSCB-5024 52 (50)
			RSCB-5027 54 (52)
			RSCB-5030 54 (52)
			RSCB-5824 58 (56)
			RSCB-5827 60 (58)
			RSCB-5830 60 (58)
			RSCB-5048 78 (76)
			RSCB-5054 80 (78)
			RSCB-5060 82 (80)
			RSCB-5848 86 (84)

Parts ID	content		
	name	shape	quantity
parts box RSCB-5024 RSCB-5027 RSCB-5030 RSCB-5824 RSCB-5827 RSCB-5830 RSCB-5048 RSCB-5054 RSCB-5060 RSCB-5060 RSCB-5848 RSCB-5854 RSCB-5860	drilling screw 4×10×8		RSCB-5024 39 (38)
			RSCB-5027 54 (52)
			RSCB-5030 54 (52)
			RSCB-5824 43 (42)
			RSCB-5827 60 (58)
			RSCB-5830 60 (58)
			RSCB-5048 109 (106)
			RSCB-5054 125 (122)
			RSCB-5060 142 (138)
			RSCB-5848 122 (118)
			RSCB-5854 140 (136)
			RSCB-5860 159 (154)
	small truss screw 4×10×7 ES0243		RSCB-5024 124 (120)
			RSCB-5027 155 (150)
			RSCB-5030 155 (150)
			RSCB-5824 144 (140)
			RSCB-5827 180 (175)
			RSCB-5830 180 (175)
			RSCB-5048 245 (240)
			RSCB-5054 275 (270)
			RSCB-5060 305 (300)
			RSCB-5848 285 (280)
	roof panel cushion GB4084		RSCB-5054 320 (315)
			RSCB-5060 355 (350)
			RSCB-5024 15
			RSCB-5027 20
			RSCB-5030 20
			RSCB-5824 18
			RSCB-5827 24
			RSCB-5830 24
			RSCB-5048 42
			RSCB-5054 48
	gutter attachment GA4929		RSCB-5060 54
			RSCB-5848 49
			RSCB-5854 56
			RSCB-5860 63
			RSCB-5○24 1
			RSCB-5○27
	gasket GA4930		RSCB-5○30
			RSCB-5○48 2
			RSCB-5○54
			RSCB-5○60
			RSCB-5○24 1
			RSCB-5○27
	gutter hole cap GA4931		RSCB-5○30
			RSCB-5○48 2
			RSCB-5○54
			RSCB-5○60
			RSCB-5○24 1
	RSCB-5○27		RSCB-5○27
			RSCB-5○30

Parts ID	content		
	name	shape	quantity
parts box RSCB-5024 RSCB-5027 RSCB-5030 RSCB-5824 RSCB-5827 RSCB-5830 RSCB-5048 RSCB-5054 RSCB-5060 RSCB-5060 RSCB-5848 RSCB-5854 RSCB-5860	elbow GA4932		RSCB-5○24
			RSCB-5○27
			RSCB-5○30
			RSCB-5○48
			RSCB-5○54
	drain elbow GA6461		RSCB-5○60
			RSCB-5○24
			RSCB-5○27
			RSCB-5○30
			RSCB-5○48
saddle GA4933	saddle GA4933		RSCB-5○54
			RSCB-5○60
			RSCB-5○24
			RSCB-5○27
			RSCB-5○30
			RSCB-5○48
	drilling screw 4×19×8		RSCB-5○54
			RSCB-5○60
			RSCB-5○24
			RSCB-5○27
glue GA4934		1	RSCB-5○30
			RSCB-5○48

Parts ID	content		
	name	shape	quantity
parts box	snow label HY0048		1
RSCB-5024 RSCB-5027 RSCB-5030 RSCB-5824 RSCB-5827 RSCB-5830 RSCB-5048 RSCB-5054 RSCB-5060 RSCB-5060 RSCB-5848 RSCB-5854 RSCB-5860	caution label GLZ20C		1
RSCB-5024 RSCB-5027 RSCB-5030 RSCB-5824 RSCB-5827 RSCB-5830 RSCB-5048 RSCB-5054 RSCB-5060 RSCB-5060 RSCB-5848 RSCB-5854 RSCB-5860	assembling manual HZ0966		1
roof panel set	roof panel GB4581 (polycarbonate SI) GB3943 (heat protection polycarbonate) GB3942 (heat protection FRP)		RSCY- △0000-1 1
			RSCY- △0000-2 2

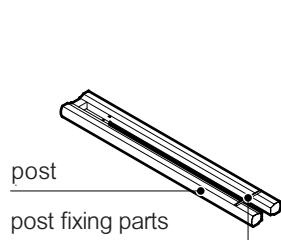
※ When △mark is P, it is the polycarbonate mat panel.
When △mark is CP, it is the heat protection polycarbonate panel.
When △mark is CF, it is the heat protection FRP panel.



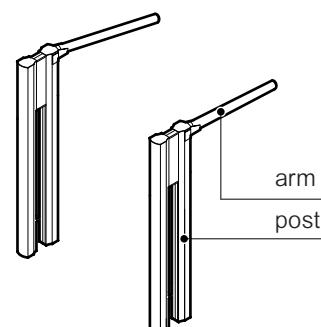
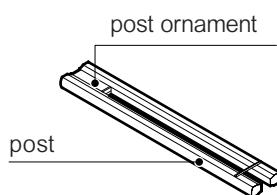
Installation Procedure

※

1 Assembling the posts



2 Assembling the post ornament

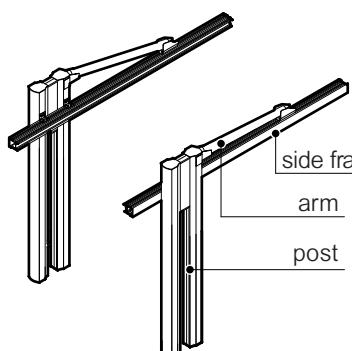


▶ P.13

▶ P.14

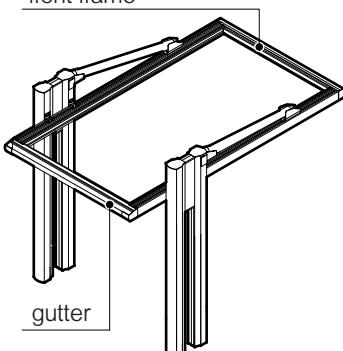
▶ P.15

4 Installation of the side frame



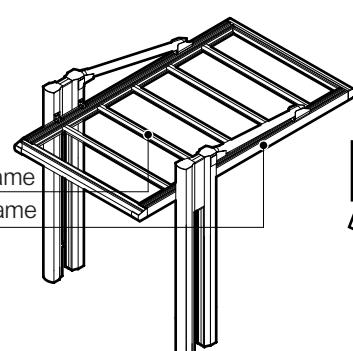
▶ P.16

5 Installation of the gutter · front frame



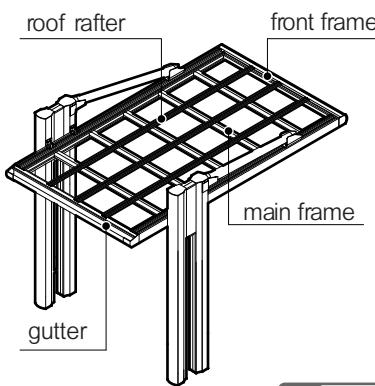
▶ P.17

6 Installation of the main frame



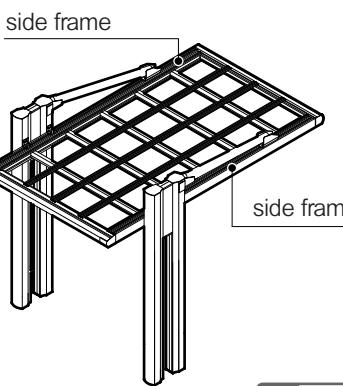
▶ P.19

7 Installation of the roof rafter



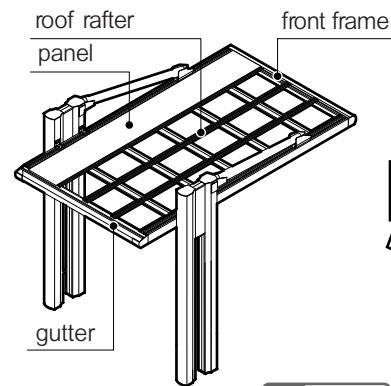
▶ P.20

8 Fixing the side frame



▶ P.21

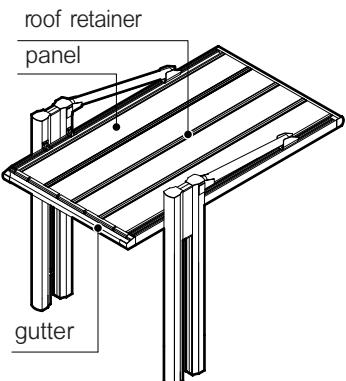
9 Installation of the roof panels



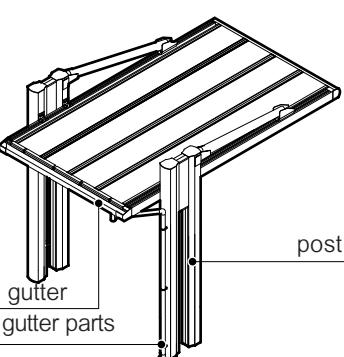
▶ P.22

10 Installation of the roof retainer

11 Attaching the round gutter parts

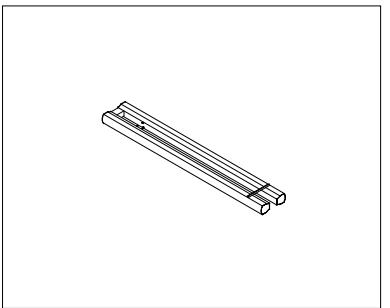


▶ P.23



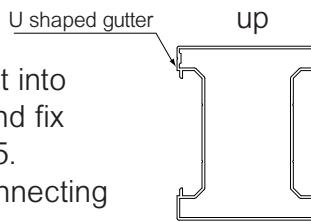
▶ P.24

1 Installation of Post



step3

Insert the connecting bracket into the post connecting parts, and fix it with hexagon bolts M8×25.
※U shaped gutter of the connecting parts is upper side.



**hexagon bolt
(with washer,spring washer)
M8×25 (post set)**

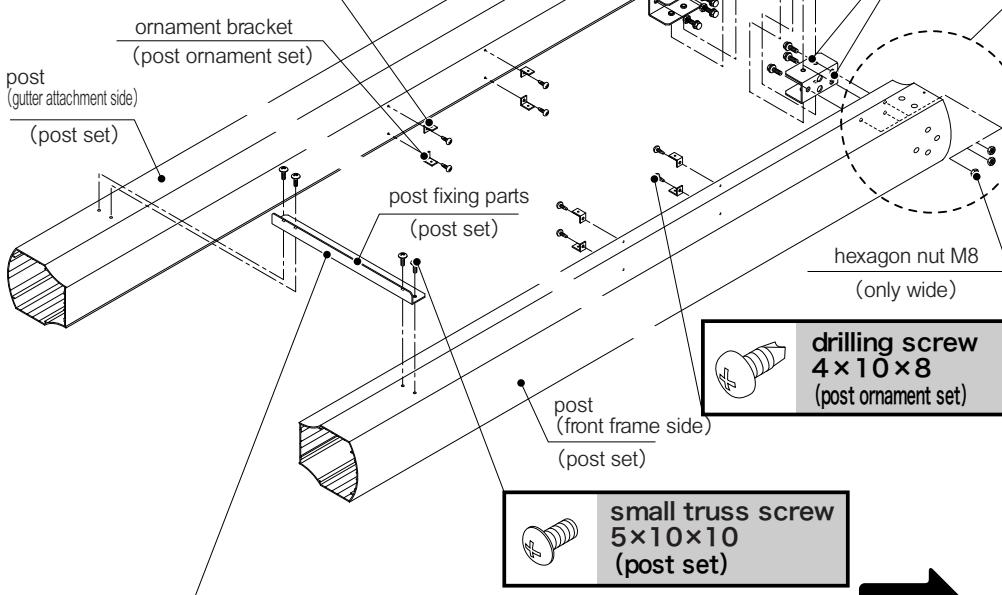
step1

Attach the connecting brackets on the posts with hexagon bolts M8×25.

step2

Attach the ornament brackets on the posts with drilling screw. $\phi 5$ hole of the ornament bracket is post side.

※Attach the brackets before connecting posts, otherwise it can't be screwed.



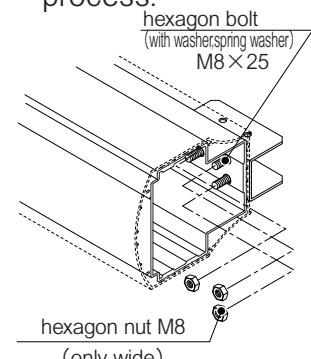
step4

Fix the post fixing bracket with small truss screw 5×10×10.

note

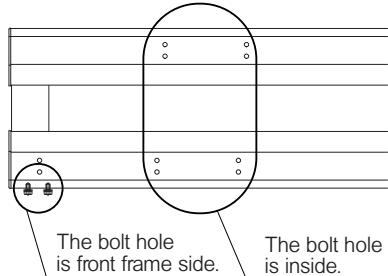
Fix the all hexagon bolts and fasten completely because this part receives the strong force. If it isn't enough, the roof may collapse.

In case of wide, after connecting posts put the nuts M8 to the bolts M8×25 fixing the connecting bracket from the inside of the post.
※In case of single there isn't this process.

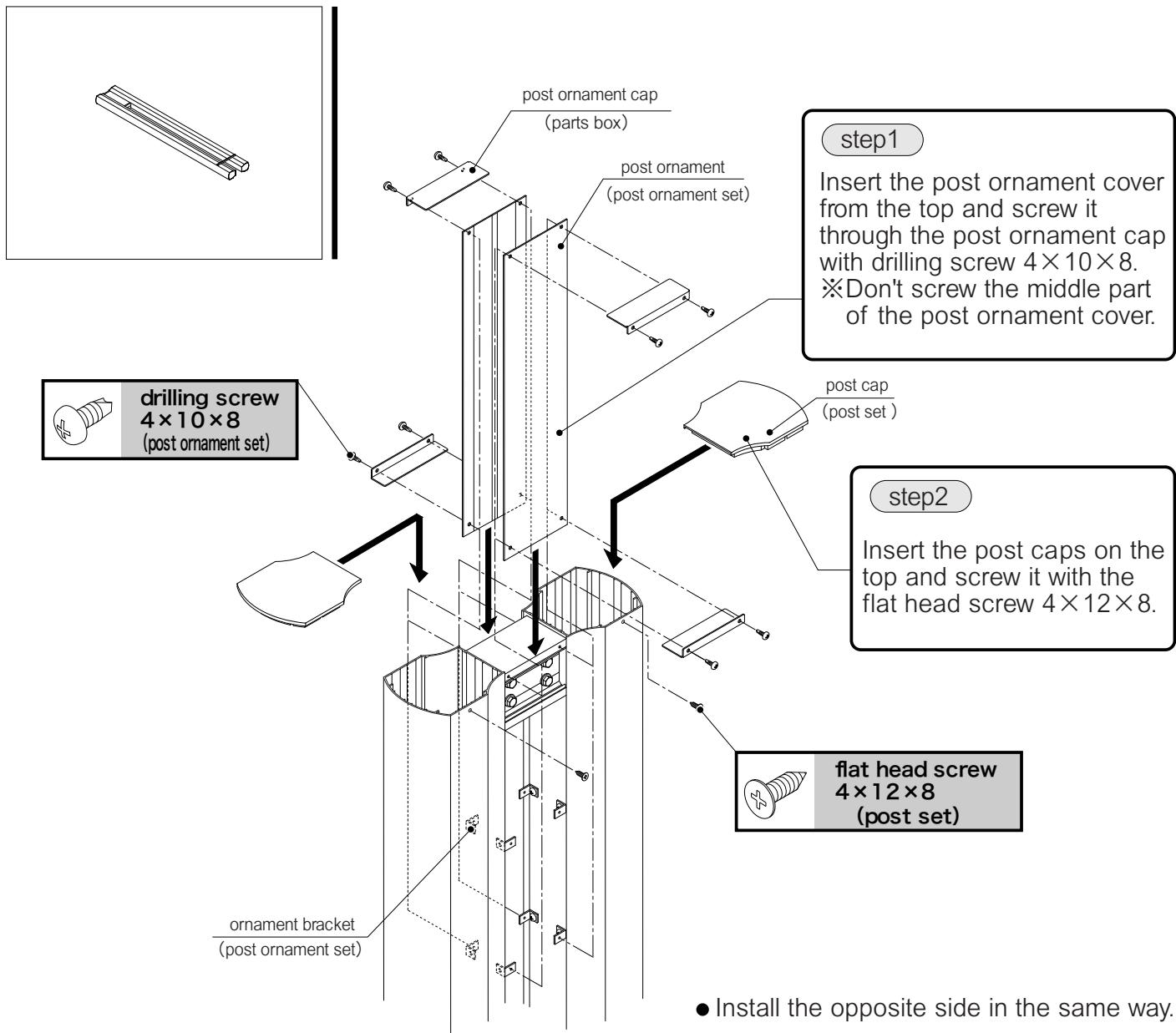


note

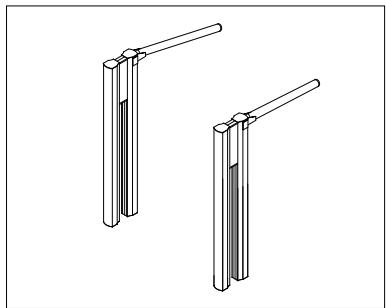
The post set has right-left. Notice the direction of the post. (Below figure indicates left.)



2 Assembling Post Ornament



3 Installation of Arm



step1

Fix the arm hanging bracket to the post with hexagon bolts M10×150 from the side and M10×25 from the front.

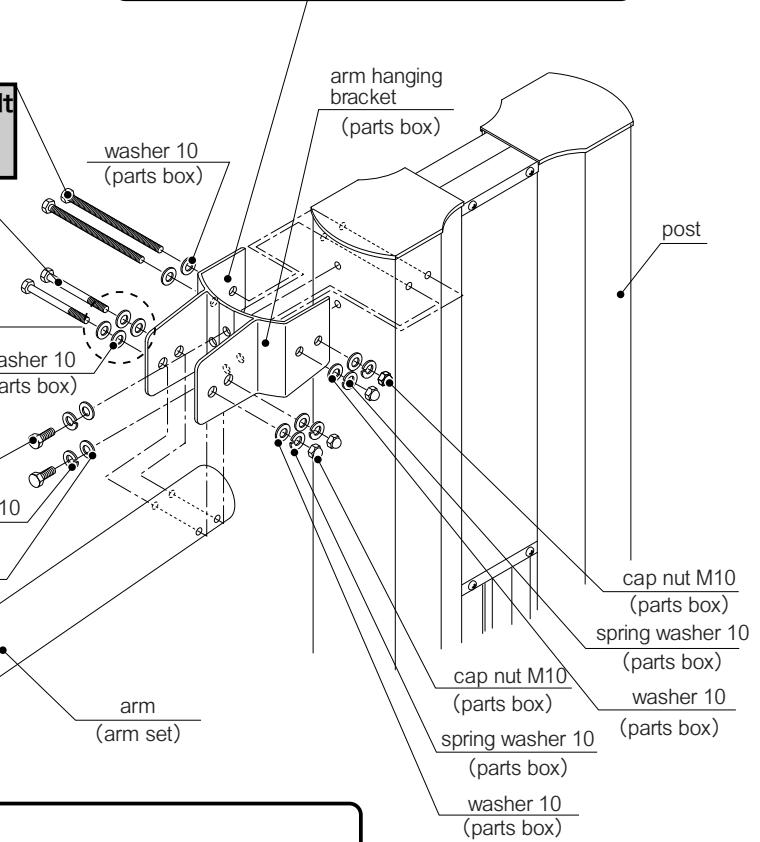


Be sure to insert the two washers to the bolt M10×95.

**hexagon bolt
M10×150
(parts box)**

**hexagon bolt
M10×95-30
(parts box)**

**hexagon bolt
M10×25
(parts box)**



step3

Fix the arm to the arm hanging bracket with hexagon bolts M10×90.

**drilling screw
4×10×8
(parts box)**

arm cap
(parts box)

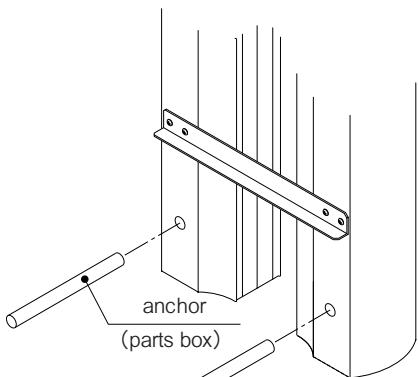
step2

Attach the arm cap to the side frame side of the arm with drilling screw 4×10×8.

※When screwing, make a $\phi 3$ hole first adjusting the hole of the arm cap.

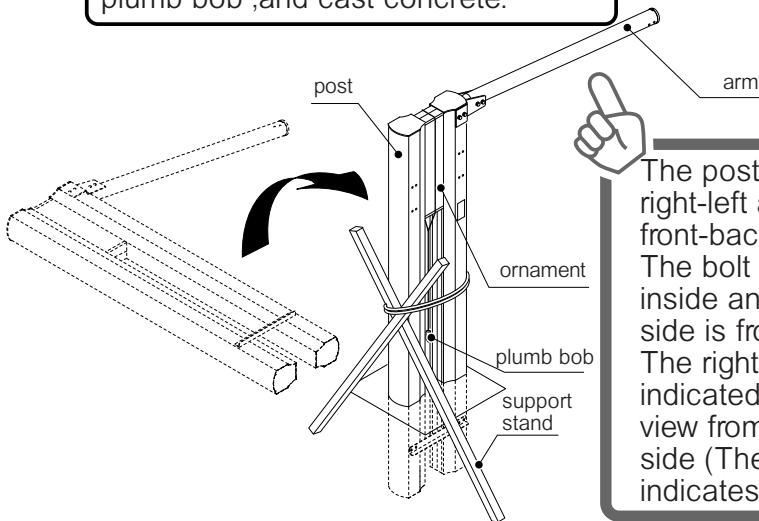
step4

Insert the anchor rod into the post hole.



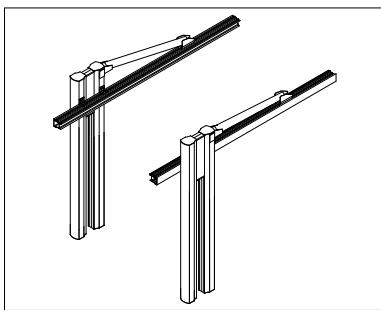
step5

Insert post into the base hole and fix with support stand not to fall down. Check if it is flat and vertical with plumb bob ,and cast concrete.



The post has right-left and front-back direction. The bolt hole is inside and the arm side is front. The right-left is indicated by the view from the arm side (The figure indicates right side)

4 Installation of Side Frame



step1

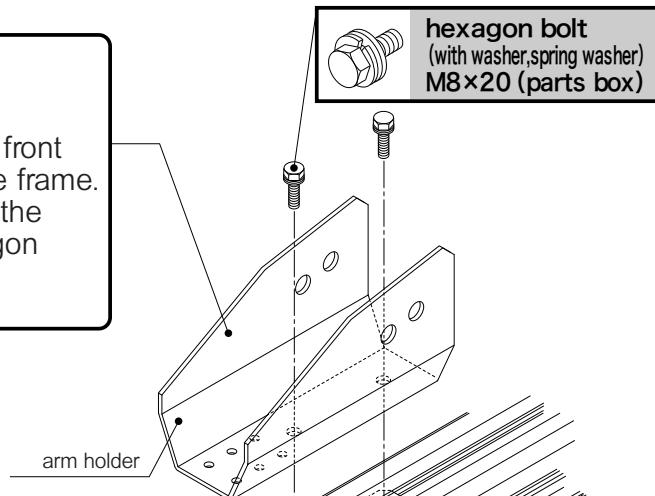
Insert the back plate (arm holder) into the front frame side of the side frame. Fix the arm holder to the back plate with hexagon bolts M8×20.

hexagon bolt
(with washer,spring washer)
M8×20 (parts box)

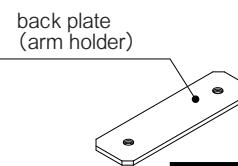
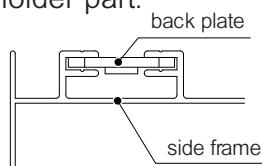


note

This figure is front frame side.



Insert the back plate into the upper side of holder part.



front frame side

step2

Insert the 2pcs back plates (side frame fixing bracket) into the gutter side of the side frame. Fix the side frame fixing bracket (upper) to the back plate with hexagon bolt M8×20.

side frame fixing bracket(upper)

hexagon bolt
(with washer,spring washer)
M8×20 (parts box)

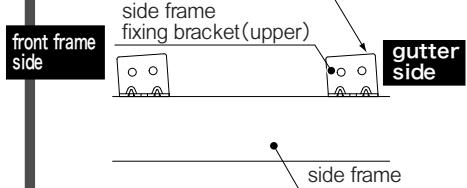
A view



■ A view

The side frame fixing bracket (upper) has right-left. Install it as below figure.

The higher side is gutter side.



back plate
(side frame
fixing bracket)

side frame

gutter side



- Fix the arm holder and the side frame fixing brackets as below.

arm holder

side frame
fixing bracket(upper)

front frame side

standard position seal

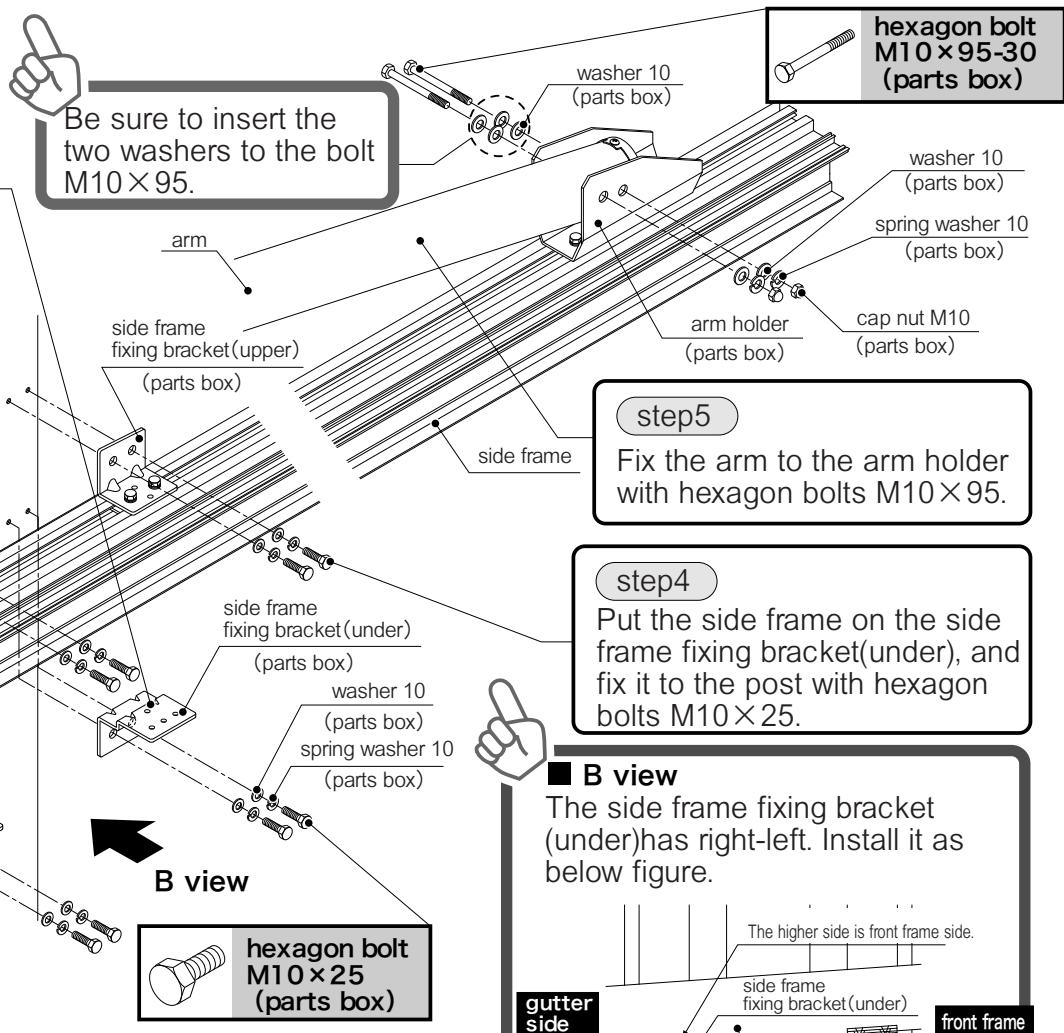
gutter side

Adjust the center of the side frame fixing bracket(upper) to the center of the standard position seal.

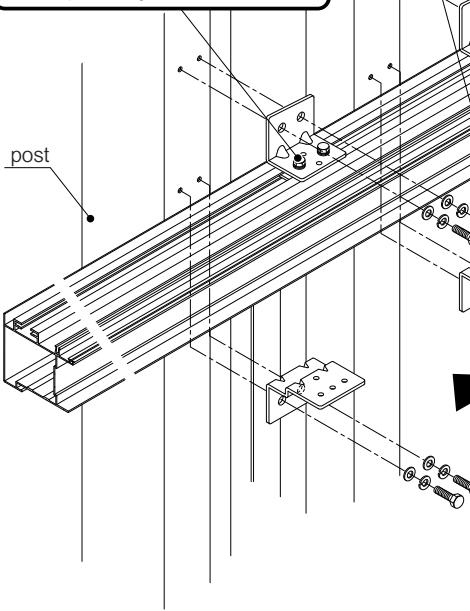
Adjust the front frame side of the arm holder end to the center of the standard position seal.

step3

Fix the side frame fixing bracket (under) to the post with hexagon bolts M10×25.

**step6**

Fix the bolt M8×20 of the side frame completely.



hexagon bolt M10×25 (parts box)

step5

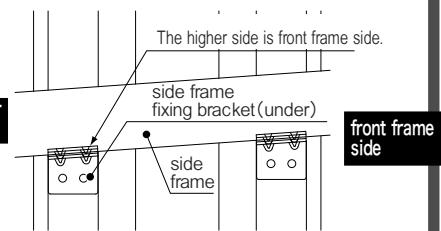
Fix the arm to the arm holder with hexagon bolts M10×95.

step4

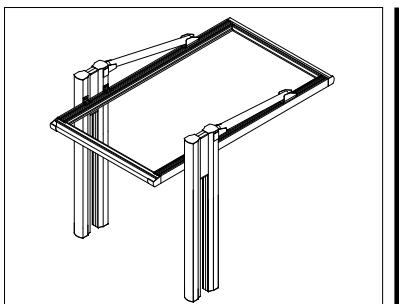
Put the side frame on the side frame fixing bracket(under), and fix it to the post with hexagon bolts M10×25.

B view

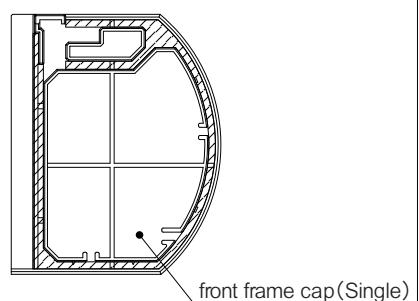
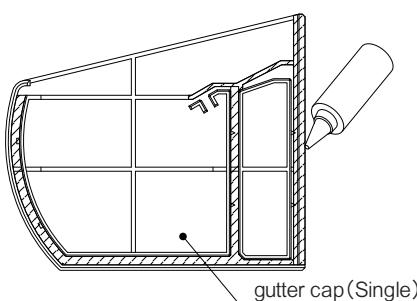
The side frame fixing bracket (under) has right-left. Install it as below figure.



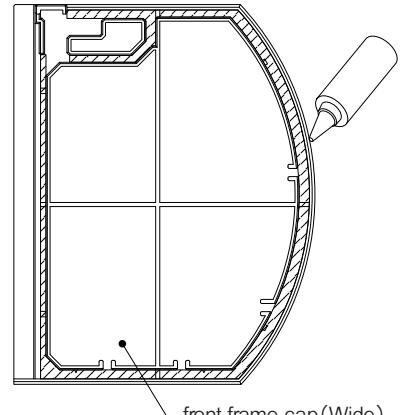
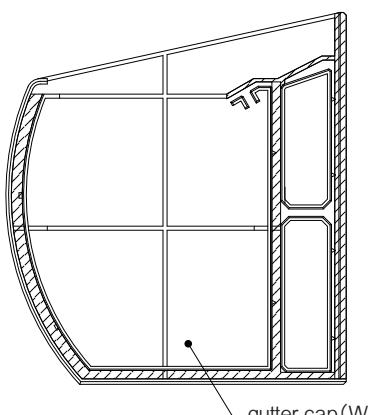
5 Installation of Gutter • Front Frame

**Detailed figure of the silicon part.**

■ indicates the silicon part.

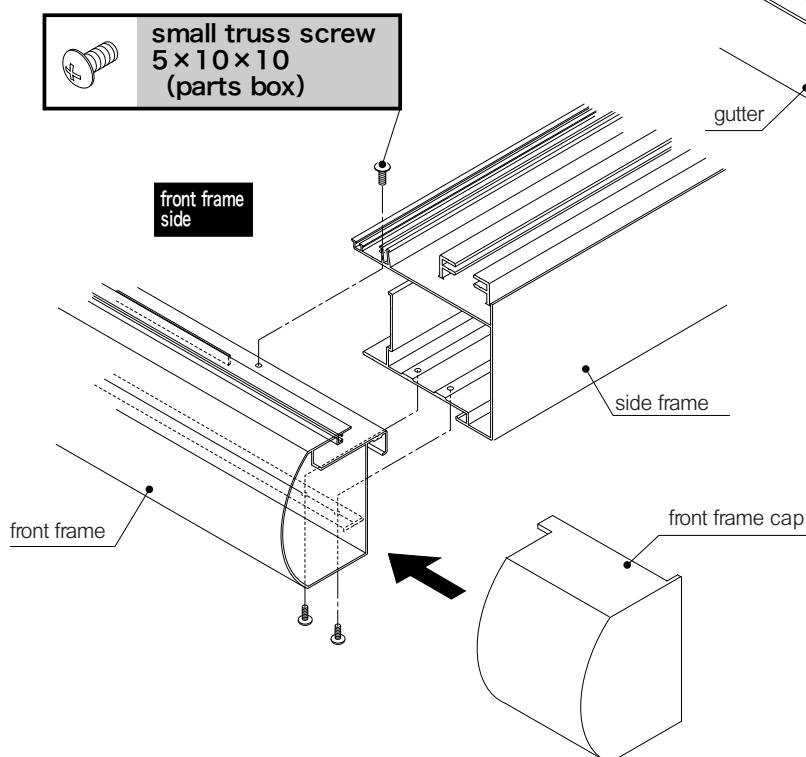
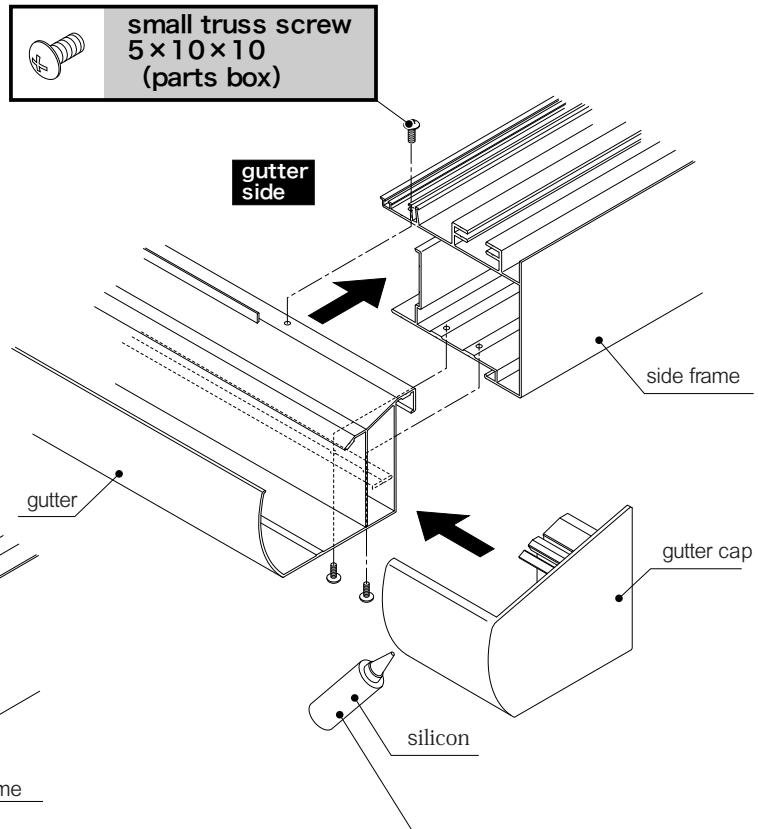
**step1**

Do silicon work at the front frame caps and the gutter frame caps as shown in the detailed figure.



step2

After connecting each frames with small truss screws as figure, Insert the gutter caps and the front frame caps.

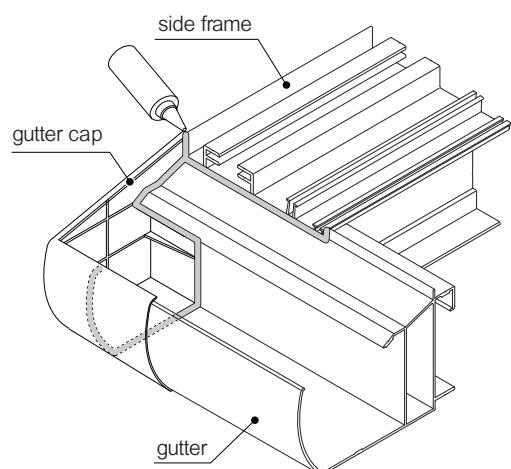


note

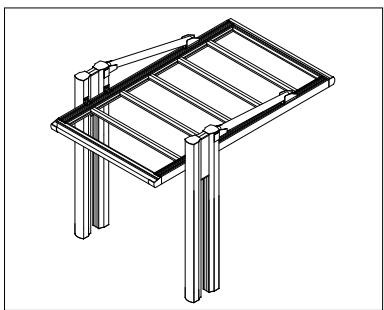
- Gutter cap must seal it at this stage because it's impossible after installation.
- Do not seal front frame caps at this stage, do it after "10 Installation of the roof retainer".

step3

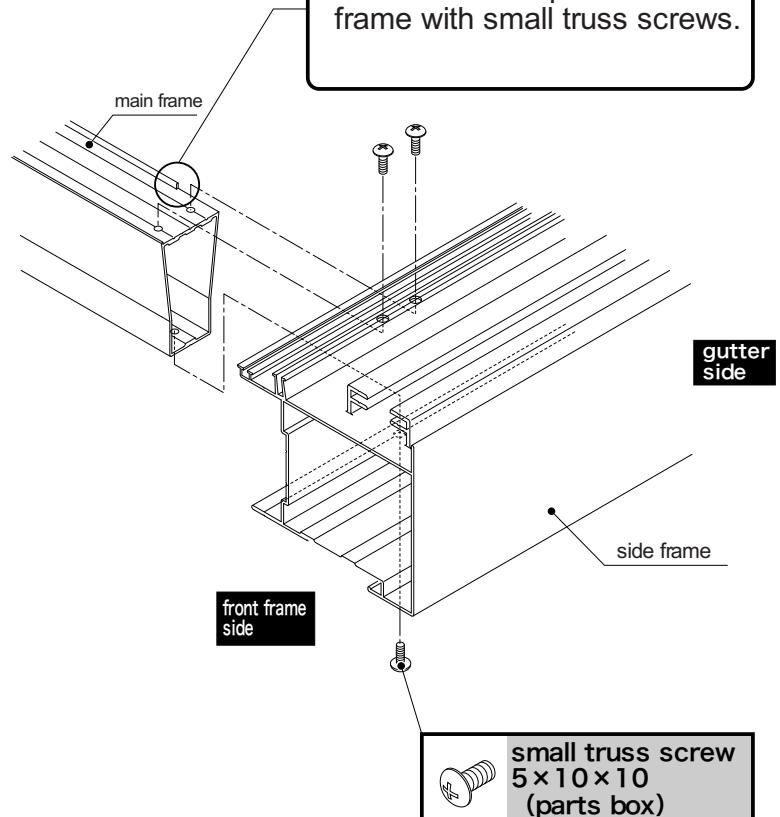
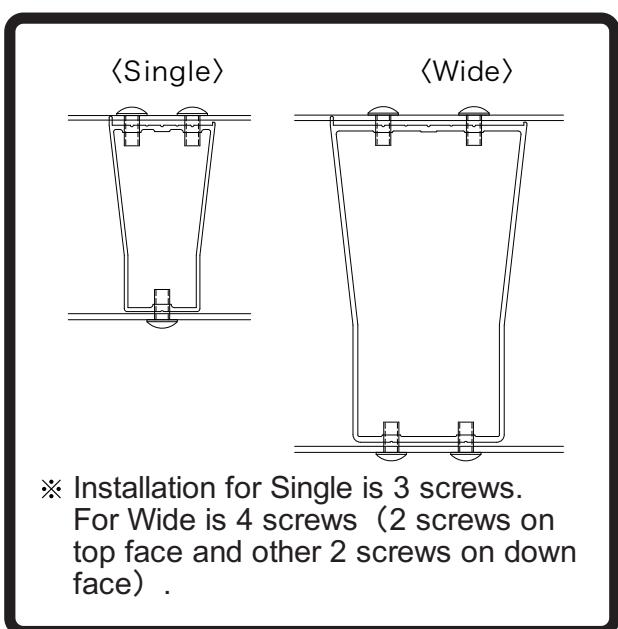
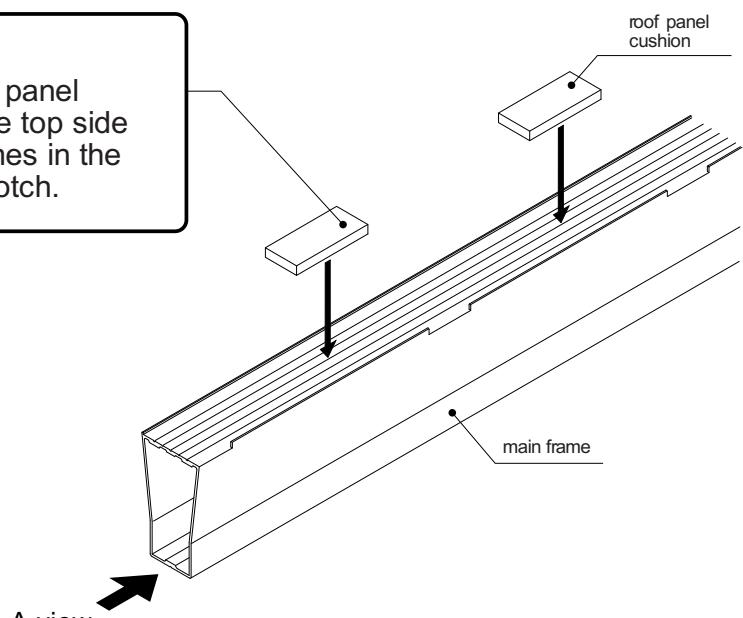
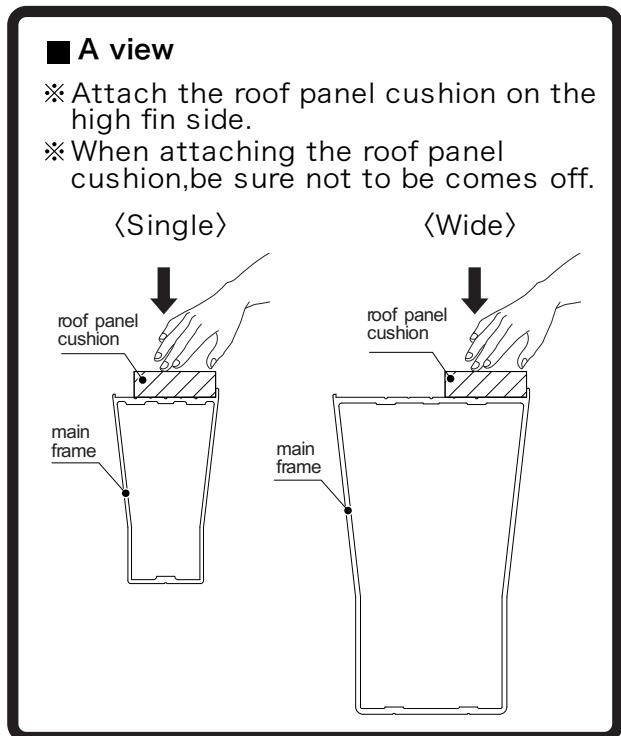
Do silicon work from the inside at the connecting part of the gutter caps as below figure.



6 Installation of Main Frame



step1
Attach the roof panel cushions on the top side of all main frames in the center of the notch.

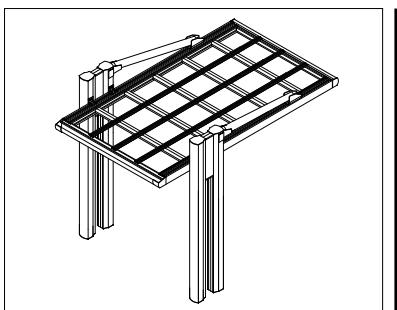
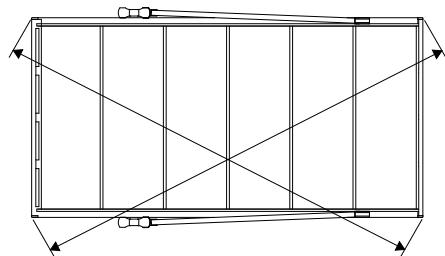


7 Installation of Roof Rafter

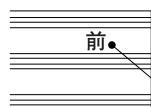
Before installing roof rafter

* Check post interval, flat, and diagonal dimension of roof.

* In case of not comes out of diagonal dimension precisely, losing screws at front, gutter, main and side frame and then adjust them one more time.



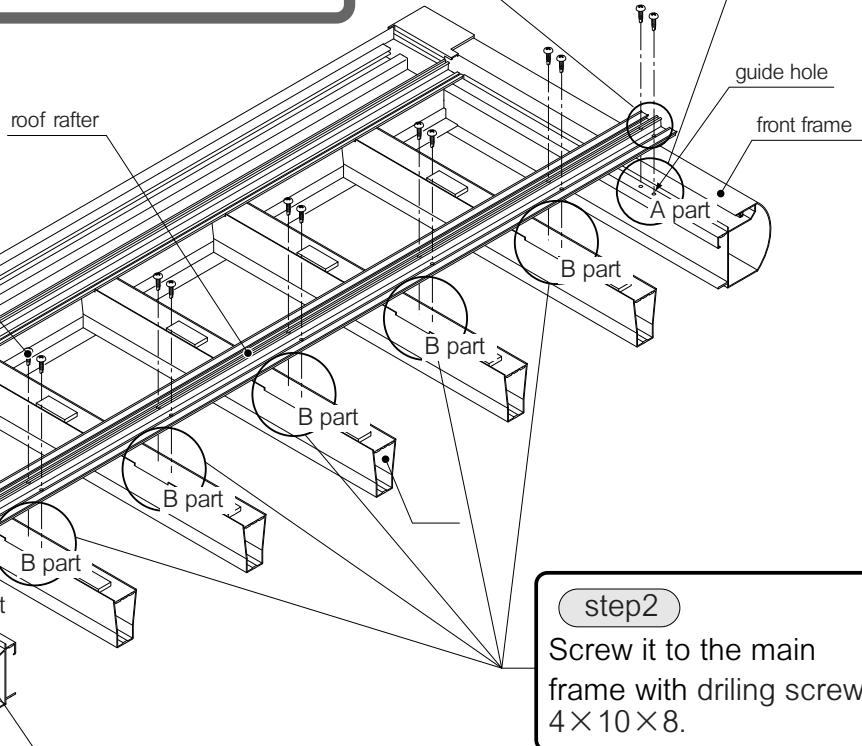
The roof rafter has the front-back direction.



mark is the front frame side

step1

Put the roof rafter into the front frame and screw it with drilling screws $4 \times 10 \times 8$.



**drilling screw
 $4 \times 10 \times 8$**
(parts box)



- At A part, screw it to guide hole .
- At B part, following U-shaped gutter up and screw it on site .

step3

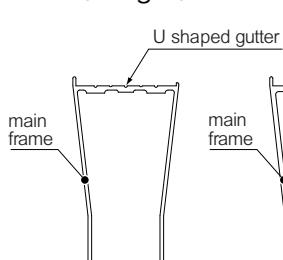
Fix it to the guide hole of the gutter with drilling screws $4 \times 10 \times 8$.

step2

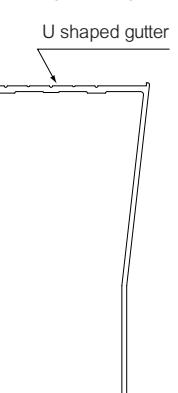
Screw it to the main frame with drilling screws $4 \times 10 \times 8$.

B part detail

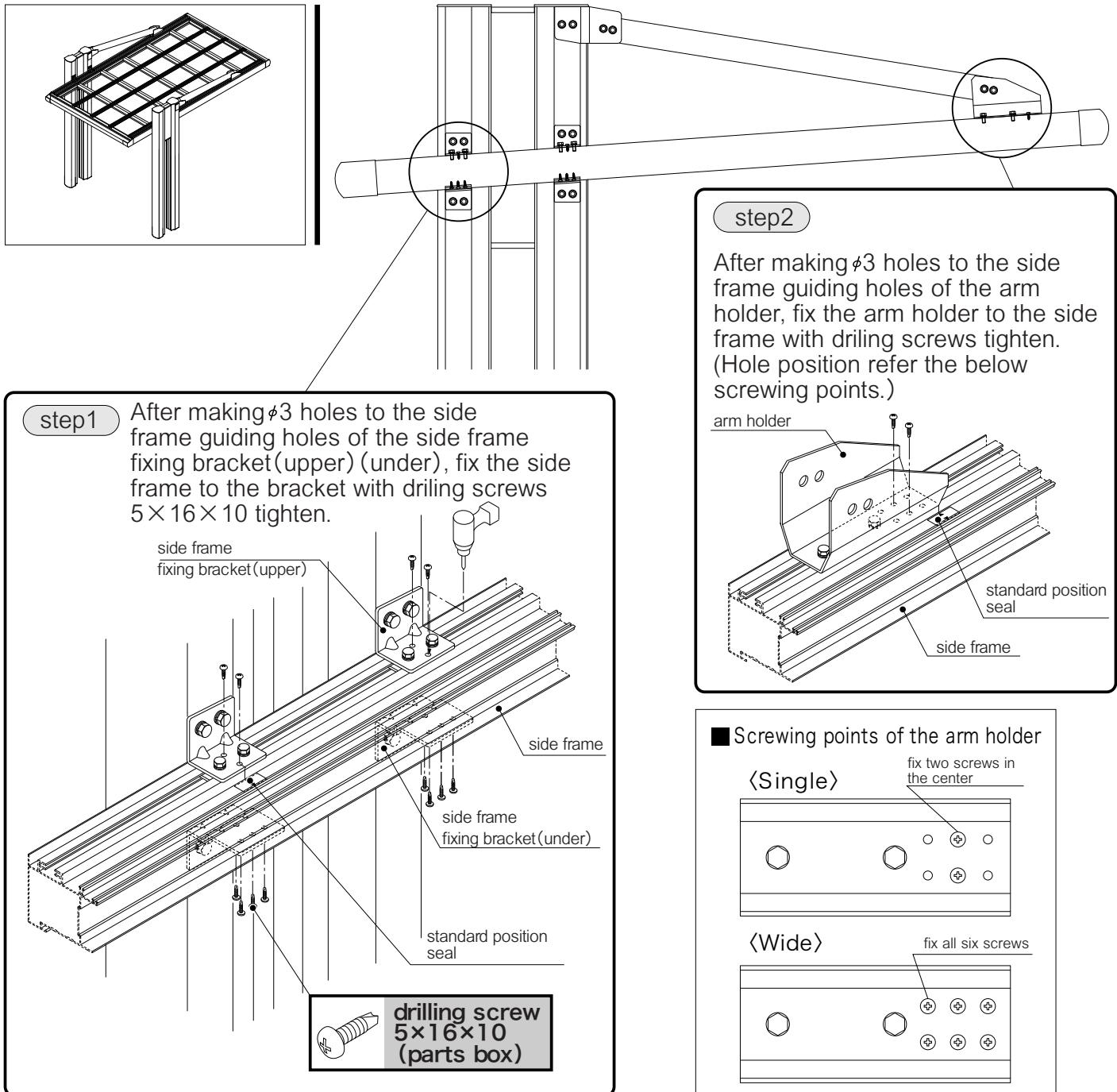
⟨Single⟩



⟨Wide⟩

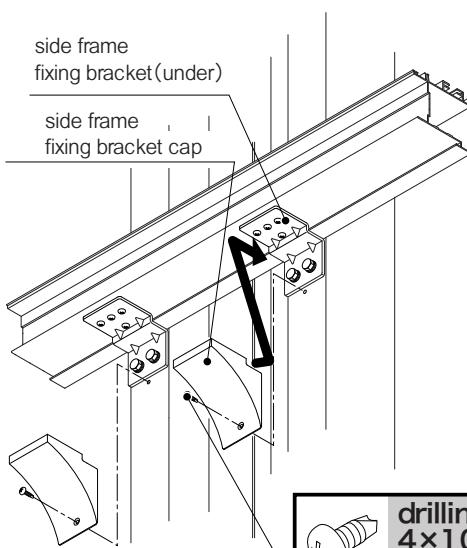
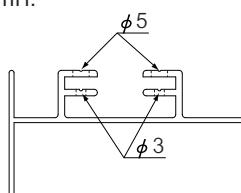


8 Fixing Side Frame



note

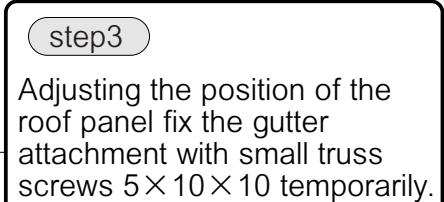
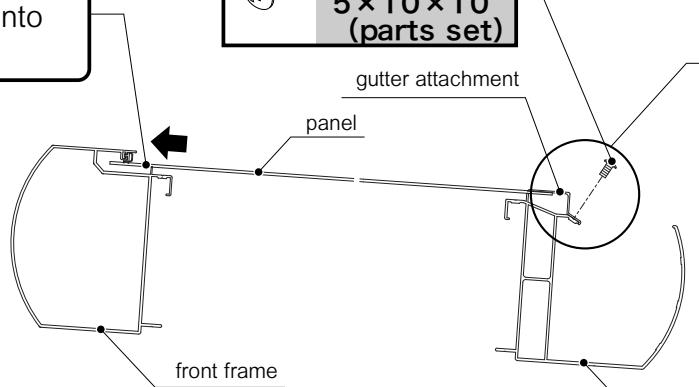
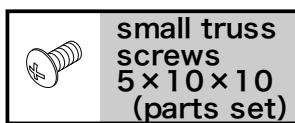
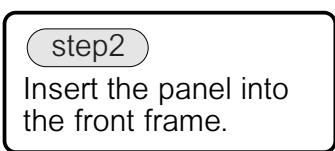
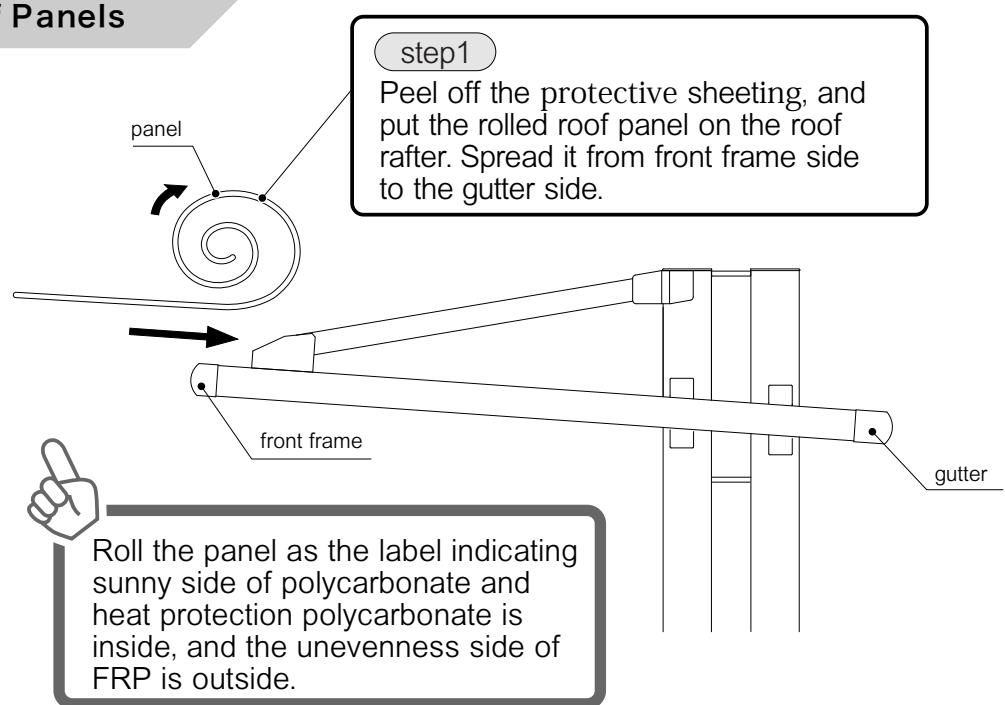
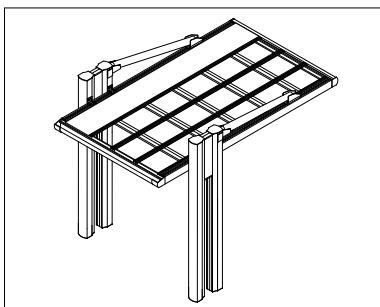
- step1 step2 making $\phi 3$ hole
- Make $\phi 3$ hole first at the screwing points. If screw it directly, the screw head may break. And please note that if screw it strongly with the impact driver, the screw will run idle.
- Holder part of the side frame, after making $\phi 5$ hole on the top face of the fin, make $\phi 3$ hole on the second fin.



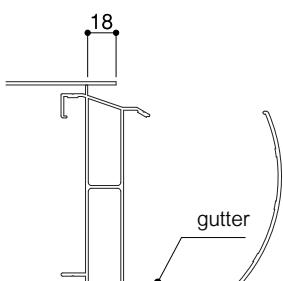
step3

Put the caps onto the side frame fixing bracket (under). After making $\phi 3$ hole to the post adjusting the cap hole on-site, fix the caps with drilling screw $4 \times 10 \times 8$.

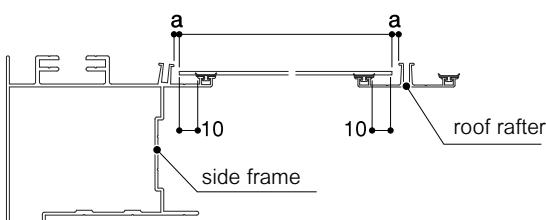
drilling screw
 $4 \times 10 \times 8$
(parts box)



* Position the roof panel end at 18mm from the fin of the gutter.



* Sort the panel equally

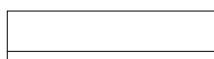


note

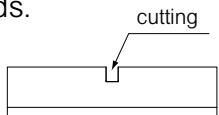
When using the polycarbonate mat (SI) and FRP panel, attach the unevenness side down.
Otherwise the panel color may change by sunlight.



The gutter attachments without cutting are used at both ends.



end parts

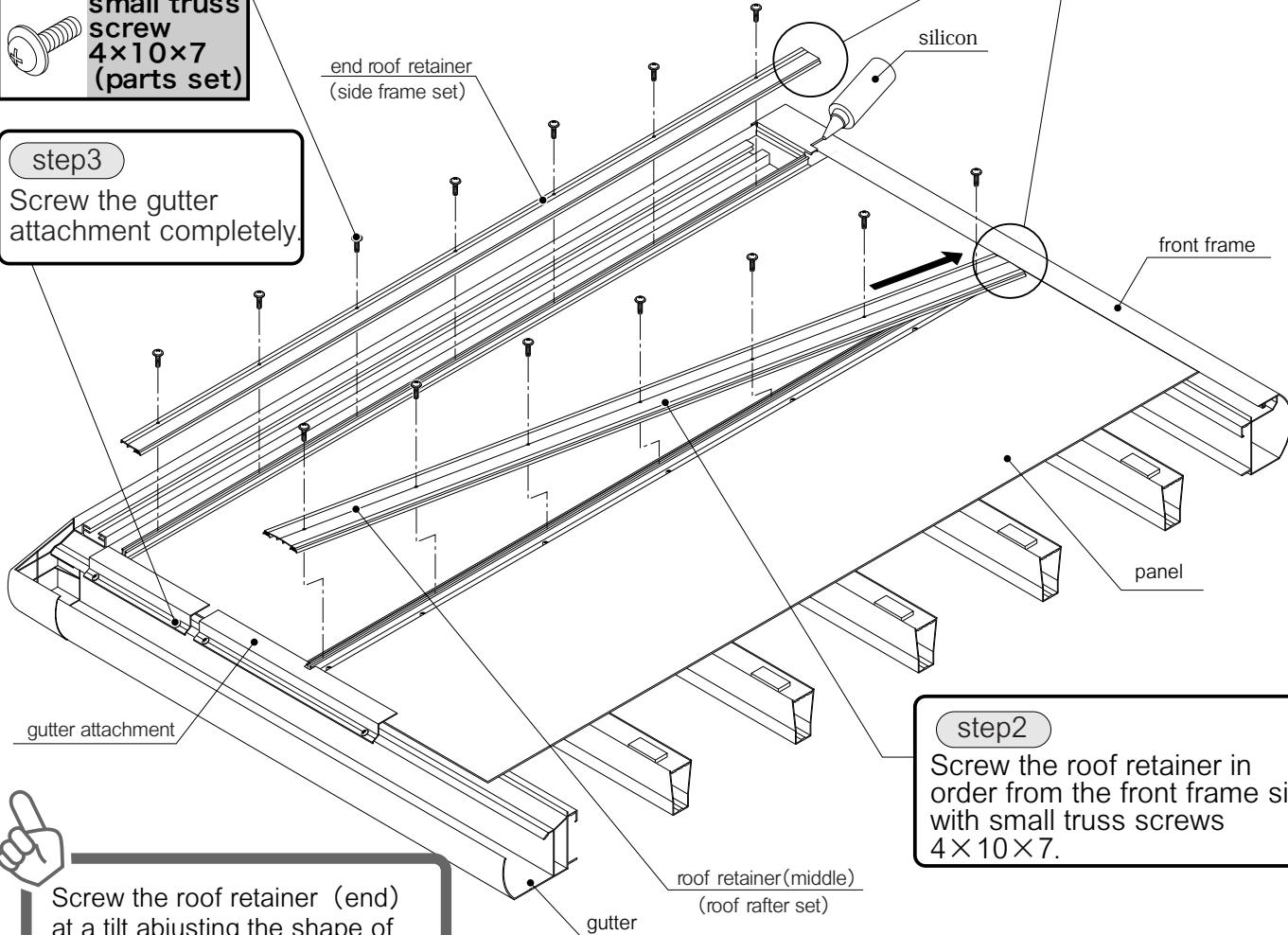
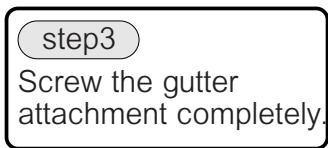
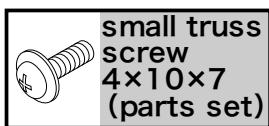
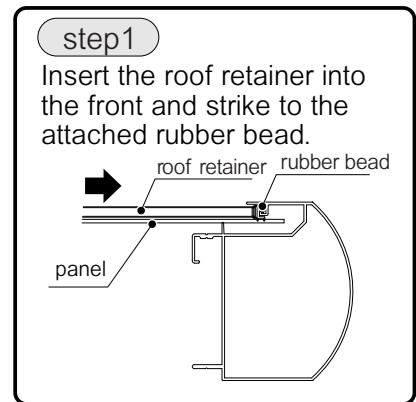
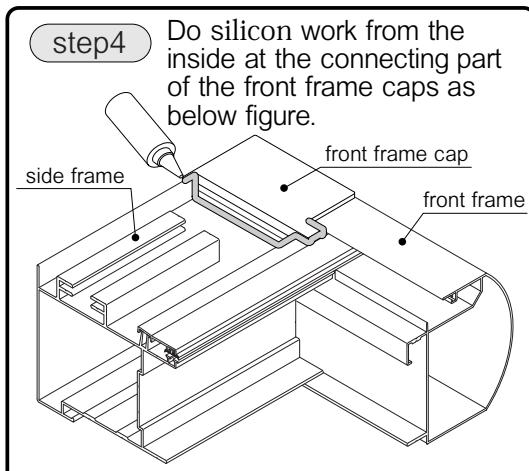
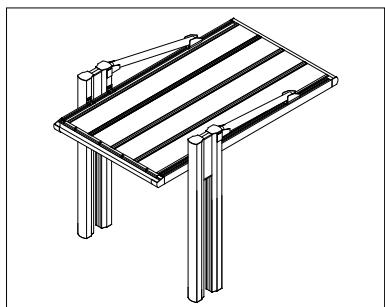


middle parts

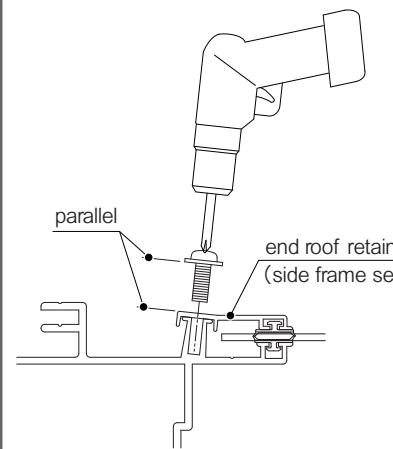


The panel width has two size, when D24,30, 48,54,60, the wider panel (width 703mm) put at both ends, and the smaller one (width 575mm) put at midspan.
In only case of D27 all panels width are 575mm.

10 Installation of Roof Retainer



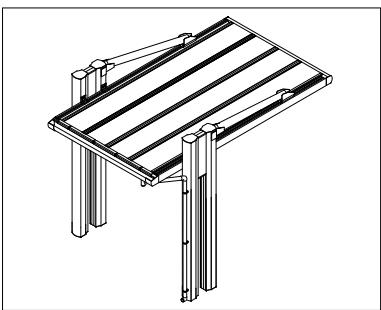
Screw the roof retainer (end) at a tilt adjusting the shape of the ditch.



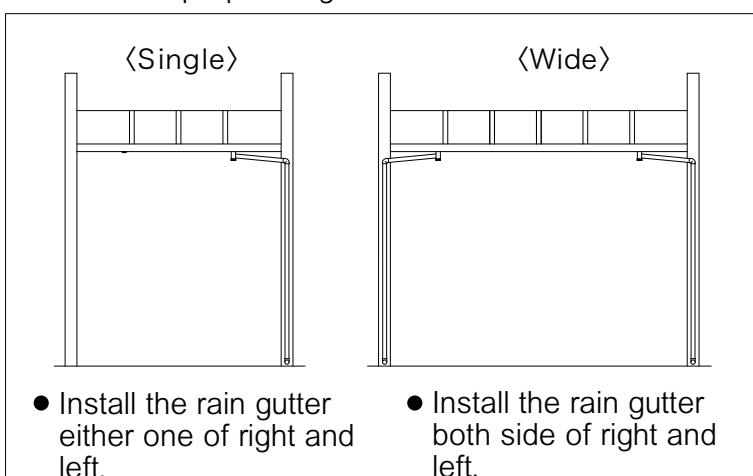
note

- If the screws of retainer (middle part) tighten too much, the screw will run idle. (tightening torque less than 15kgf.cm)
- If the screw head leans when installing the retainer, it will cause water leakage (water will enter from the screw head clearance), So install it not to making clearance.

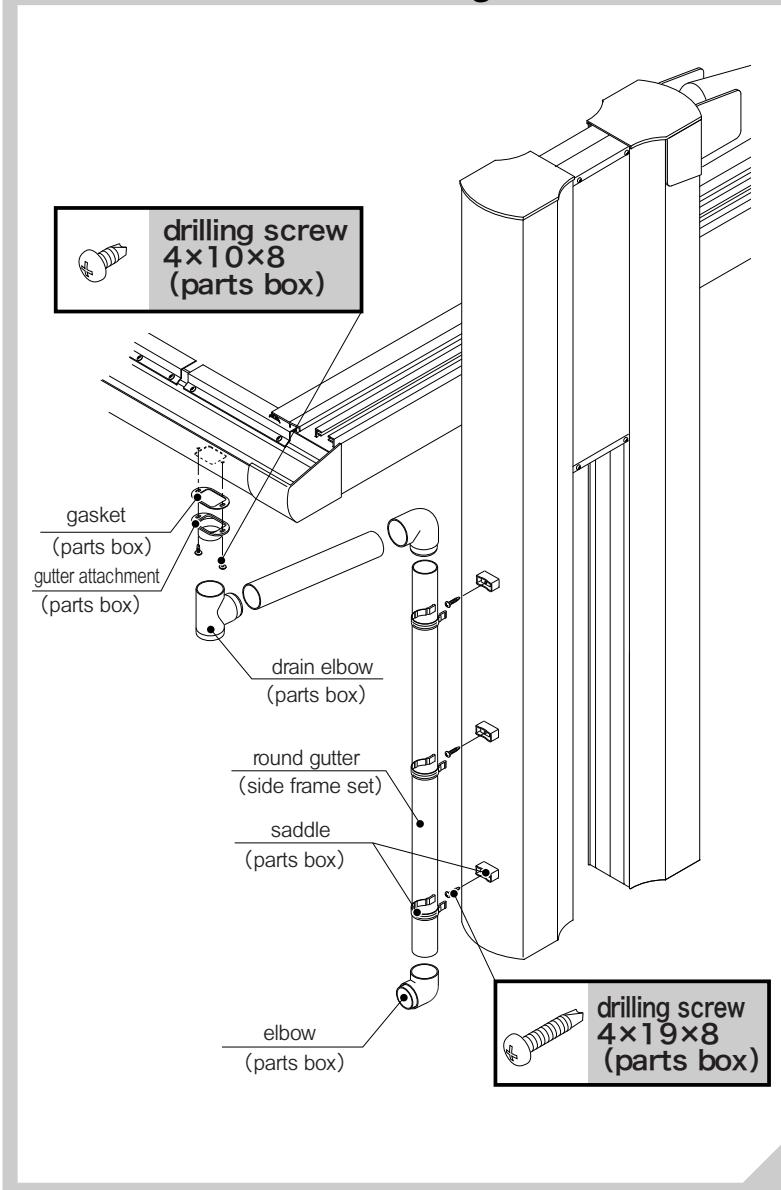
11 Attaching Round Gutter Parts



※ The length of the round gutter is different according to the post position and the height dimension.
Cut to the proper length onsite.

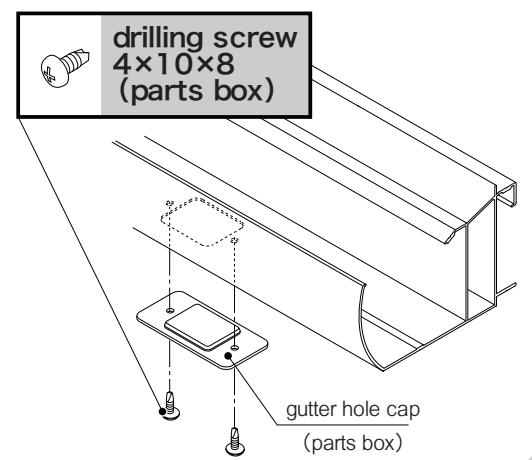


Installation of rain gutter



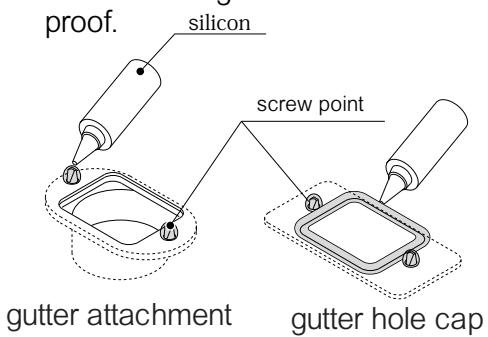
Installation of gutter hole cap

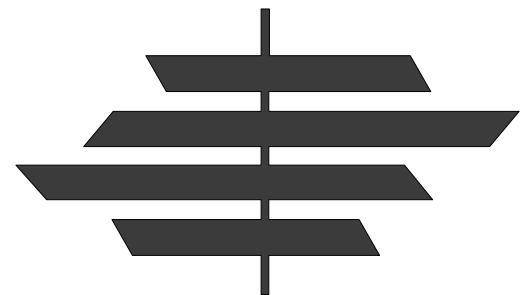
※ Put the gutter hole cap to the unnecessary hole.
The gutter hole cap is no need for Wide.



■ Detailed figure of the silicon part

※ Be sure to do sealing work around screws in order to prevent danger when cleaning as well as for water proof.





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CANTAPORT - RSC SERIES

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<p>CANTAPORT SHADING SYSTEMS RSC SERIES (Wind Region A, Terrain Category 2, 2.5, 3 & 4)</p> <p>NOTE: - IT IS RESPONSIBILITY OF BUILDER TO NOTIFY THE OWNER THAT NO LIVE POINT LOADING IS ALLOWED ON P1 PURIN. - COLUMNS ARE NOT DESIGNED FOR VEHICLE IMPACT LOAD. - THESE DETAILS ARE DESIGNED FOR THE SITE ADDRESS SHOWN IN THE TITLE BLOCK BELOW ONLY.</p> <p>1. DESIGN CRITERIA</p> <ul style="list-style-type: none"> a) WIND REGION A, TERRAIN CATEGORY 2, 2.5, 3 OR 4, IMPORTANCE LEVEL 2, $V_r = 4.3 \text{ m/s}$ b) CLASS A, S, M OR H SITES TO AS2870, MINIMUM ALLOWABLE SOIL BEARING CAPACITY 100 kPa. c) DEAD LOAD DEFLECTIONS LIMITED TO SPAN/180 FOR RAFTERS AND SPAN/180 FOR PUPLINS. d) ROOF CLADDING TO BE FIXED TO MANUFACTURER'S SPECIFICATIONS. e) FLASHINGS AND GUTTERS TO BE FIXED TO BUILDER'S DETAILS. f) CANOPY MUST NOT BE BLOCKED UNDER BY MORE THAN 2/3 OF THE CANOPY HEIGHT. g) SNOW LOAD IS NOT CONSIDERED IN THIS DESIGN. PLEASE REFER BACK TO THIS OFFICE IF SNOW LOAD MUST BE CONSIDERED. h) MAX ROOF PITCH - 5°. <p>2. CONCRETE</p> <ul style="list-style-type: none"> a) CONCRETE MINIMUM N20/20/80 IN ACCORDANCE WITH AS3600. POUR IN SITU. <p>3. FABRICATION AND ERECTION</p> <ul style="list-style-type: none"> a) ALL STEEL WORK TO AS4100. b) ALL ALUMINIUM WORK TO AS1664. c) REPAIR ALL WELDS WITH COLD GALVANIZING PAINT. d) SEAL ALL OPEN ENDS OF HOLLOW SECTIONS. e) ALL STEEL AND ALUMINIUM WORK COATINGS TO SUIT EXPOSURE CLASSIFICATION. f) ALL WORK GENERALLY TO BUILDING CODE OF AUSTRALIA AND ALL RELEVANT BUILDING STANDARDS AND CODES. g) ALL SCREWS SIZES AS PER DETAILS. (COATING TO SUIT EXPOSURE CLASSIFICATION) h) ALL STEELWORK (INCLUDING FASTENERS) TO BE TREATED IN ACCORDANCE WITH CLAUSE 3.4.4.4." i) CORROSION PROTECTION "O" OF THE NATIONAL CONSTRUCTION CODE. j) ALL DISSIMILAR METALS TO BE ISOLATED WITH LOAD-BEARING PLASTIC WASHERS, SPACERS AND SLEEVES TO BUILDER'S DETAIL. <p>4. THIS DETAIL IS ONLY RELEVANT FOR PROJECTS WHICH MATCH THE ARRANGEMENTS SHOWN. IT IS THE BUILDER'S RESPONSIBILITY TO ENSURE THAT ANY MANUFACTURER'S SPECIFIC REQUIREMENTS ARE MET.</p> <p>5. STRUCTURE CONSULTING GROUP TAKES NO RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OR THE IN-SERVICE PERFORMANCE OF THIS STRUCTURE UNLESS WE ARE INVITED TO CARRY OUT AN AS-CONSTRUCTED INSPECTION OF THE BUILT STRUCTURE AND PROVIDE CERTIFICATION THAT IT HAS BEEN BUILT IN ACCORDANCE WITH THIS SPECIFICATION.</p> <p>6. ADDITIONAL SHADE STRUCTURE CONFIGURATIONS MAY BE PLACED DIRECTLY ALONG SIDE ALL SINGULAR PROPOSED STRUCTURES. ACCEPTABLE CONFIGURATIONS INCLUDE APEX CONNECTION, BACK TO BACK CONNECTION, AND END TO END CONNECTIONS.</p> <p>7. ENSURE NO EXISTING STRUCTURES OR SERVICES ON THIS OR ADJACENT PROPERTIES WILL BE SURCHARGED OR UNDERMINED BY THESE WORKS. IF UNSURE, CONTACT THE STRUCTURAL ENGINEER FOR PROPER ADVICE PRIOR TO PROCEEDING.</p> <p>PLAN VIEW</p> <p>P1 SPAN AT 825mm CRS MAX TYPICAL CONNECT TO EACH B1 WITH 4/N8 TEKS MIN (TYP)</p> <p>ALL CLADDINGS AND CLADDING CONNECTIONS TO MANUFACTURER SPECIFICATIONS</p> <p>SIDE ELEVATION</p> <p>P1 SPAN AT 825mm CRS MAX TYPICAL</p> <p>DETAIL 1</p> <p>DETAIL 2</p> <p>DETAIL 3</p> <p>REFERS TO 103 FOR SURFACE FOOT DETAILS</p> <p>STRUCTURE CONSULTING ENGINEERS LTD PTY LTD (ABN 32 155 811 957) GROUND FLOOR, BUILDING 2, 630 MITCHAM ROAD, MITCHAM VIC 3132 TEL (03) 8872 6999 FAX (03) 9873 2777 EMAIL: melbourne@structurere.com.au www.structurere.com.au</p> <p>PROJECT No. 116216</p> <p>CLIENT CANTAPORT</p> <p>SCALE NTS</p> <p>SIZE S101 A3</p>									

