

Cantaport made in Japan certified to AU standards

PJF-series M connection manual

HZ1747-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 manufactures assembling manual to avoid warranty cover.

Please retain the manual for future reference and maintenance inspection.

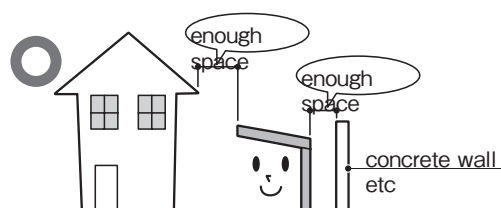
Precautions during construction

TO BE READ INCONJUNCTION WITH THE PJR SINGLE INSTALLATION MANUAL.

✓	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



- ☐ The Cantaport is a simple structure. Do not change or remodel it without gaining certification from Cantaport to avoid warranty or danger to public.
- ☐ The snow accumulation strength is 600N/m² (61.2kg/m²) which corresponds to 20cm of fresh snowfall (specific weight 0.3). Do not install in heavy snow area.
- ☐ Do not install it in the place where snow slides down from the building roof directly. There is a possibility that products are damaged by snow falling.
- ☐ When installing it besides wall, etc., keep enough clearance between the product and the wall due to avoid damage during strong winds. 100mm-200mm clearance.
- ☐ Do not install in locations subject to strong wind directly/constantly underneath the roof.

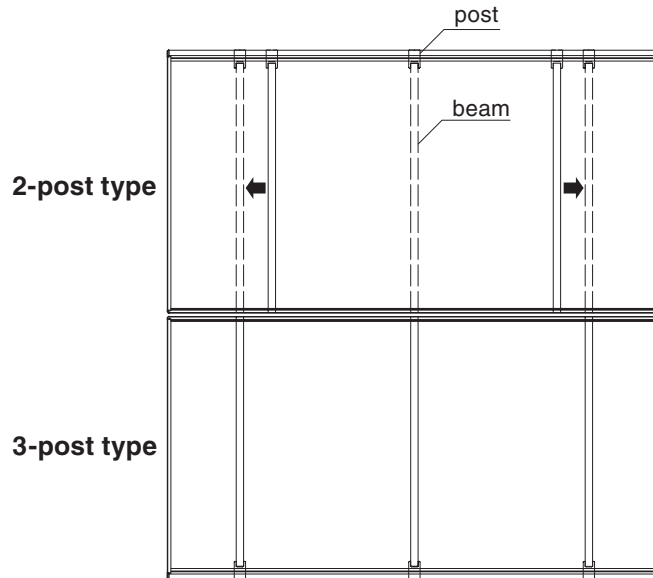


HEAT REDUCTION POLYCARBONATE	
AO	Blue Smoke
✓	Blocks out 99% UV Rays
✓	Reduces Heat by 83%
✓	250 Times Stronger than glass
✓	Allows 50% Filtered light
✓	Solid Polycarbonate
✓	Guaranteed to not crack* <small>*Installed as per manufactures manual</small>

- ☐ When installing, it is recommended to install the front frame facing towards the building to reduce the wind effect.
- ☐ When installing with side panel please be sure to install the support post.
- ☐ Positioning the posts so that they do not affect underground services (water supply, drain pipes, etc.).
- ☐ When moving the posts, please follow the manufactures specifications detailed in this manual.
- ☐ Install so that the exhaust of hot-water steam, heating fumes and/or car exhaust do not directly hit the surface of the supports and around the entire frame. This may cause discolouration of the surface structure.

Notes for M connection of 2-post type and 3-post type

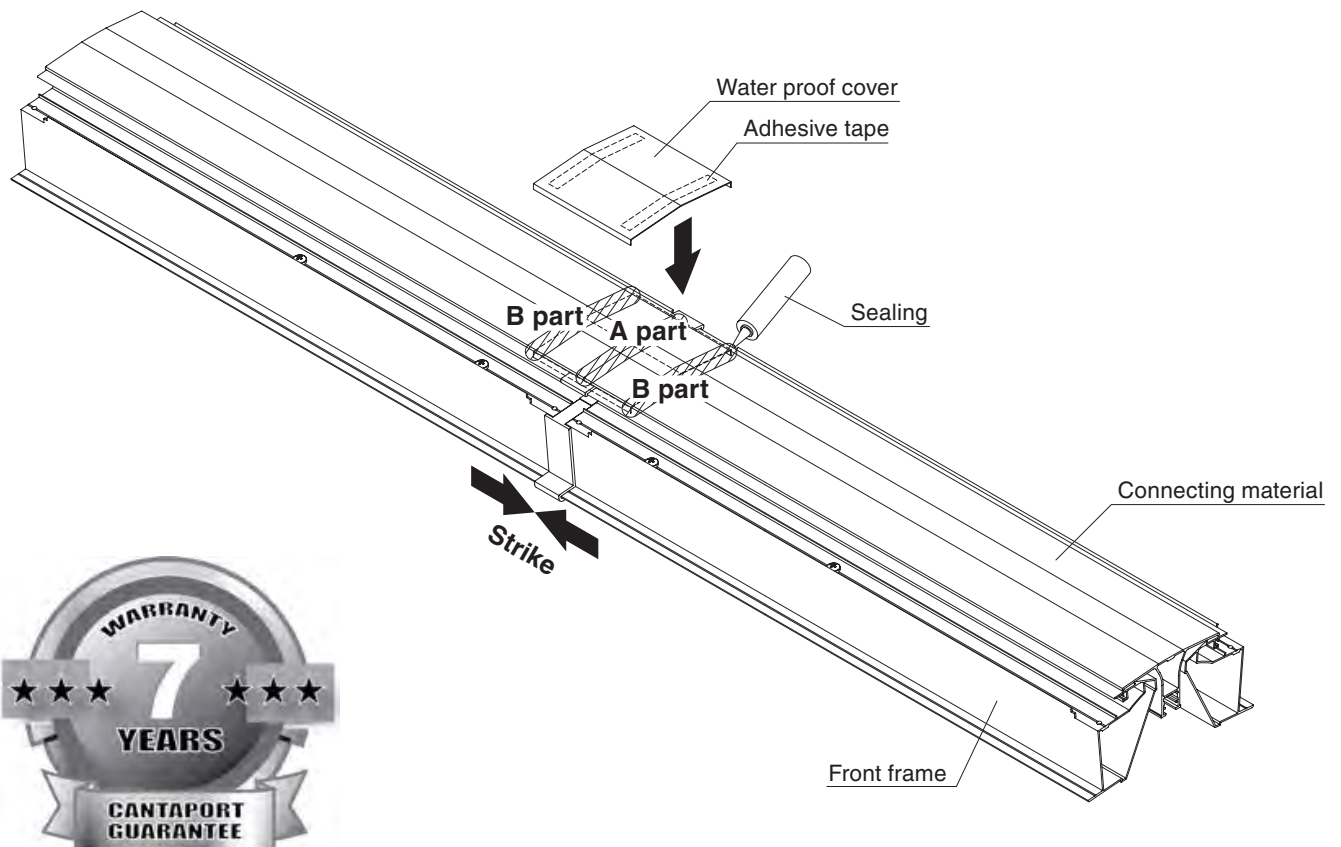
- In case of M connection of 2-post type and 3-post type, add the post and beam to 2-post type in the center. And move the post position of 2-post type adjusting to post position of 3-post type.



Notes for in-line connection and in-line short extension of M-connection type

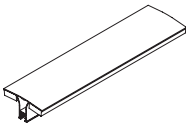
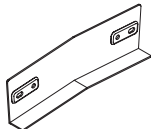

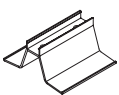





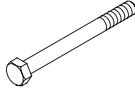


- ※ In case of in-line connection of M-connection type, cover the joint part with the water proof cover.

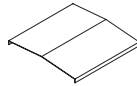
- ① Strike the front frames and do sealing work (below figure A part).
- ② Peel the back sheet of water proof cover and attach the water proof cover on the joint part. Then do sealing work to part B.



Parts contents

- ☐ Please open the captioned carton and check all contents in advance.
- ☐ Please check the parts defective or any damage.
- ☐ After opening the carton boxes, please store the products so that they are not damaged.
- ☐ We packed some extra screw in the parts box.(x)number is necessary Q'ty for installation.

Parts ID	Content			
	Description	Shape	Quantity	
M-connecting material set PJFG-M14 PJFG-M22 PJFG-M29 PJFG-M43 PJFG-M51 PJFG-M58	Connecting material		1	
M-connecting parts set PJFG-B PJFG-B-1	Beam connecting bracket GB8089		PJFG-B	4
			PJFG-B-1	2
	Back plate GB8241		PJFG-B	4
			PJFG-B-1	2
	Front frame connecting part GB8242		PJFG-B	4
			PJFG-B-1	2
	Connecting cap GB8244		PJFG-B	2
			PJFG-B-1	—
	Small truss screw 5×15×10		PJFG-B	9(8)
			PJFG-B-1	5(4)
	Drilling screw 4×10×8		PJFG-B	3(2)
			PJFG-B-1	—
	Spring Washer 8		PJFG-B	8
			PJFG-B-1	4
	Washer 8		PJFG-B	16
			PJFG-B-1	8
	Hexagon bolt M8×85		PJFG-B	8
			PJFG-B-1	4
	Nut M8		PJFG-B	8
			PJFG-B-1	4
	Assembling manual HZ1747		PJFG-B	1
			PJFG-B-1	—

Parts ID	Content		
	Description	Shape	Quantity
M-connection in-line part PJR-GWC	Water proof cover GB8203		1



Installation procedure

1 Installation of connecting material

● After installing the roof as below figure, install the connecting material on the front frame.

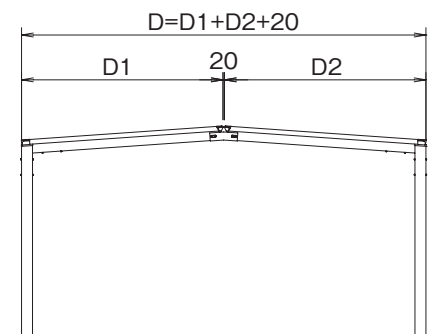
※ Before installing the roof panels, install the connecting material.

■ Post out/out dimension

① : In case of	D18 + D18	D=3712mm
② : In case of	D21 + D21	D=4318mm
③ : In case of	D24 + D24	D=4922mm
④ : In case of	D27 + D27	D=5524mm
⑤ : In case of	D30 + D30	D=6126mm
⑥ : In case of	D33 + D33	D=6728mm
a : In case of	D18 + D21	D=4014mm
b : In case of	D18 + D24	D=4317mm
c : In case of	D18 + D27	D=4618mm
d : In case of	D18 + D30	D=4919mm
e : In case of	D18 + D33	D=5220mm
f : In case of	D21 + D24	D=4620mm
g : In case of	D21 + D27	D=4921mm
h : In case of	D21 + D30	D=5222mm
i : In case of	D21 + D33	D=5523mm
j : In case of	D24 + D27	D=5223mm
k : In case of	D24 + D30	D=5524mm
l : In case of	D24 + D33	D=5825mm
m : In case of	D27 + D30	D=5825mm
n : In case of	D27 + D33	D=6126mm
o : In case of	D30 + D33	D=6427mm

Please implant the post as below in order to adjust the top end of the roof.

In case of a,	implant the post for D21	21.1mm deeper than the post for D18.
In case of b,	implant the post for D24	41.6mm deeper than the post for D18.
In case of c,	implant the post for D27	62.6mm deeper than the post for D18.
In case of d,	implant the post for D30	83.6mm deeper than the post for D18.
In case of e,	implant the post for D33	104.7mm deeper than the post for D18.
In case of f,	implant the post for D24	20.4mm deeper than the post for D21.
In case of g,	implant the post for D27	41.5mm deeper than the post for D21.
In case of h,	implant the post for D30	62.5mm deeper than the post for D21.
In case of i,	implant the post for D33	83.6mm deeper than the post for D21.
In case of j,	implant the post for D27	21.1mm deeper than the post for D24.
In case of k,	implant the post for D30	42.1mm deeper than the post for D24.
In case of l,	implant the post for D33	63.1mm deeper than the post for D24.
In case of m,	implant the post for D30	21.0mm deeper than the post for D27.
In case of n,	implant the post for D33	42.1mm deeper than the post for D27.
In case of o,	implant the post for D33	21.1mm deeper than the post for D30.

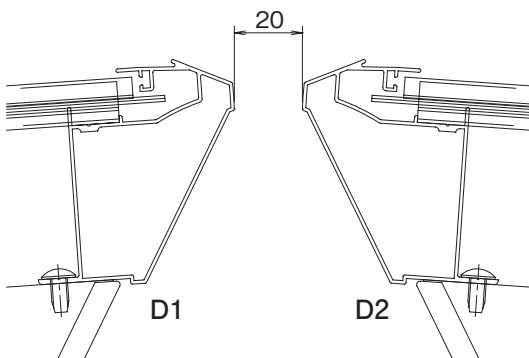
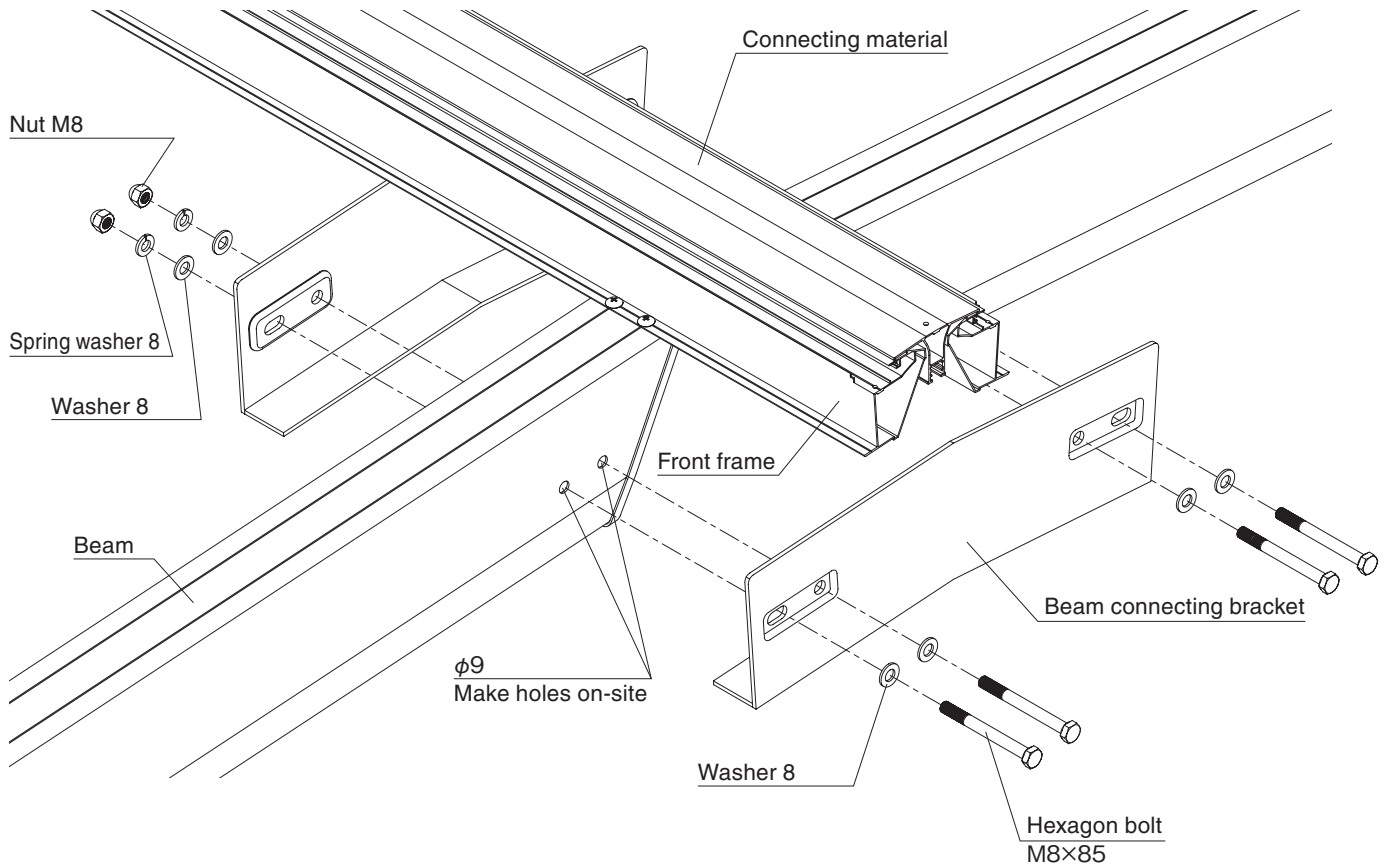


UC	KC	BNC	SLC	WH
Urban Gray	Black	Earth Brown	San Silver	Sand White



2 Install beam connecting bracket

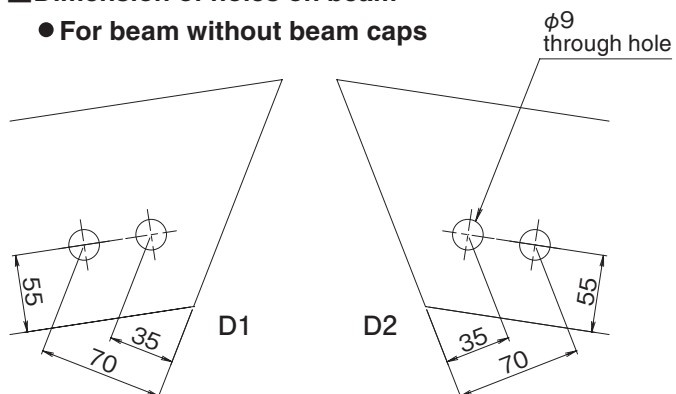
- Connect the beams with the beam connecting bracket as the clearance between D1 front frame and D2 front frame is 20mm.



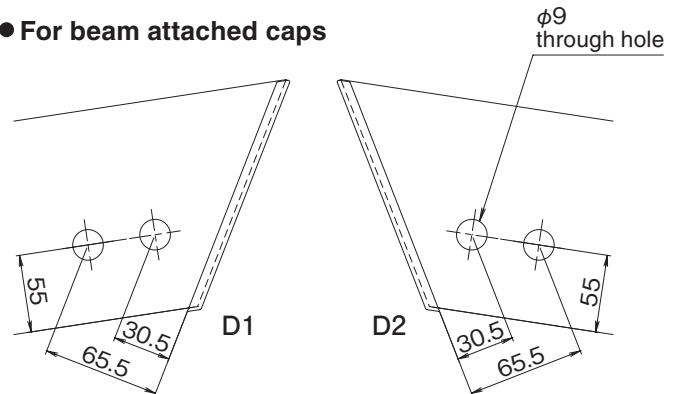
- ※Install the connecting bracket right and left equally.

■ Dimension of holes on beam

- For beam without beam caps

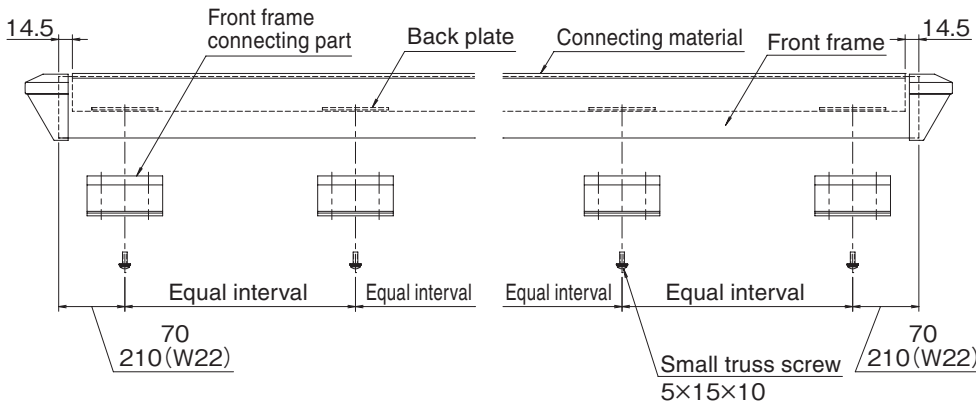


- For beam attached caps

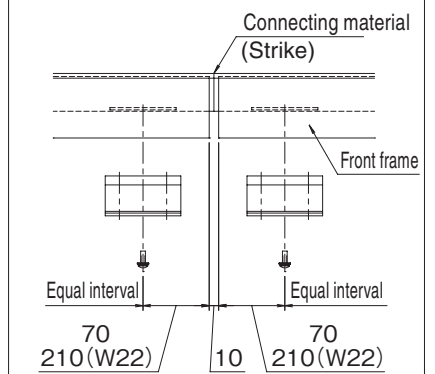


3 Attach the front frame connecting parts

■ Attach the front frame connecting parts



※In case of in-line connection of M-connecting type

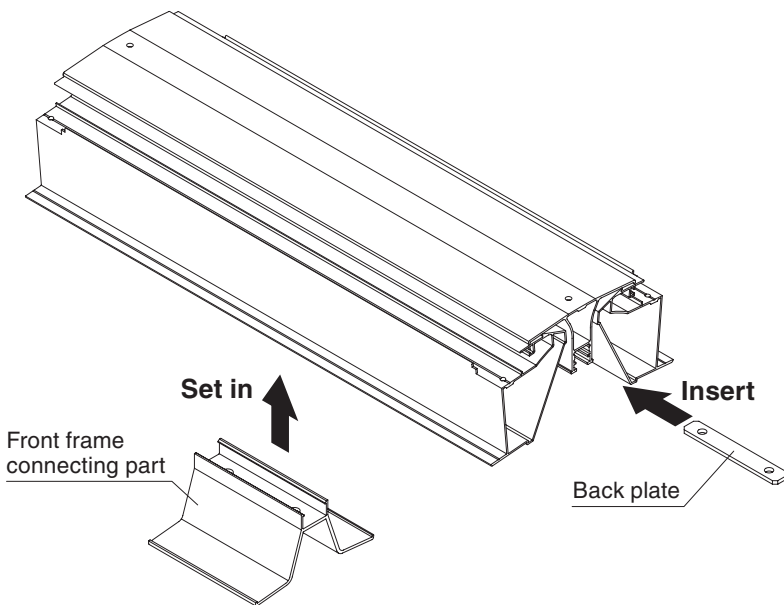


① Insert the back plate into the connecting material

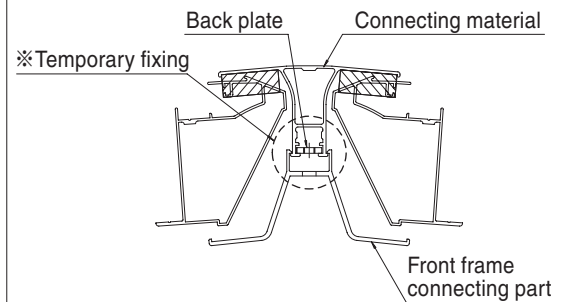
② Hold the connecting material from upside and set in the front frame connecting parts to the connecting material.

※ The front frame connecting parts can be hooked to the connecting material temporarily by pushing up (see figure A).

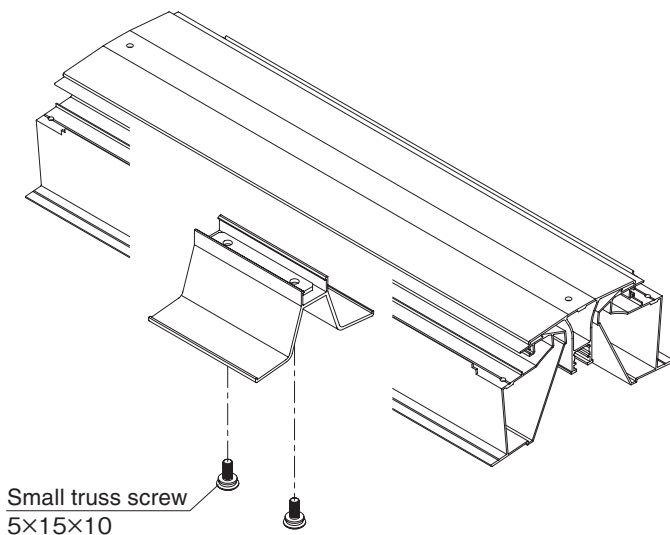
※ Position the back plate at equal interval and set in the front frame connecting parts.



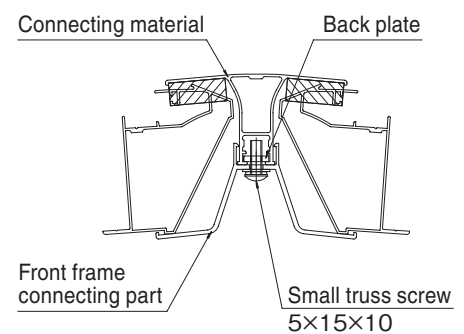
■ Figure A: temporary fixing



③ Fix the front frame connecting parts to the back plate inserted into the connecting material with small truss screw 5×15×10.



■ Section figure



4 Attaching the connecting cap

- ① Insert the connecting cap to connecting material and fix with drilling screw $4\times 10\times 8$.
- ② Do sealing work to the touching part.

