



# *Owner's Manual*

## Snow Protection Kit

Models:

CF898

CF899

Thank you for choosing this product. Please read this Owner's Manual carefully before operation and retain it for future reference.

If you have lost the Owner's Manual, please contact the local agent or visit [www.gree.com](http://www.gree.com) or send an email to [global@cn.gree.com](mailto:global@cn.gree.com) for the electronic version.

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI



## To Users

Thank you for selecting Gree's product. Please read this instruction manual carefully before installing and using the product, so as to master and correctly use the product. In order to guide you to correctly install and use our product and achieve expected operating effect, we hereby instruct as below:

- (1) This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- (2) If the product requires installation, installation after movement or maintenance, please refer to the designated customer service telephone number in the specification of outdoor unit and seek for support of professional organization, otherwise, we're not liable for the related legal responsibilities if damages occur.
- (3) All the illustration and information in the specification is for reference only. In order to make the product better, we will continuously conduct improvement and innovation. Product adjustment is subject to change without notice.

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## Safety notice (must-obey)



Warning: This mark indicates operation, which if improperly obeyed, might lead to the death or serious injury of the users and unit damage.





Notice: This mark indicates operation, which if improperly obeyed, might lead to the death or mild-to-moderate injury of the users and unit damage.



This mark indicates forbidden issues! Improper operation might lead to the death or serious injury of the user.



This mark indicates must-obey issues! Improper operation might lead to personal injury or property damage.

	<p>Conduct installation according to the user manual. Please read the user manual carefully before installation.</p>		<p>Installation shall be carried out by the retailer or qualified professionals. Do not install it by yourselves. Improper installation will cause deformation or other accidents.</p>
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# 1. Product introduction

## 1.1 Applicable model

The product applies to Gree GMV6 series outdoor unit of top discharge multi VRF systems only.

Applicable appearance and dimension of CF898 is as shown in Fig 1.1.

Unit :mm[in.]

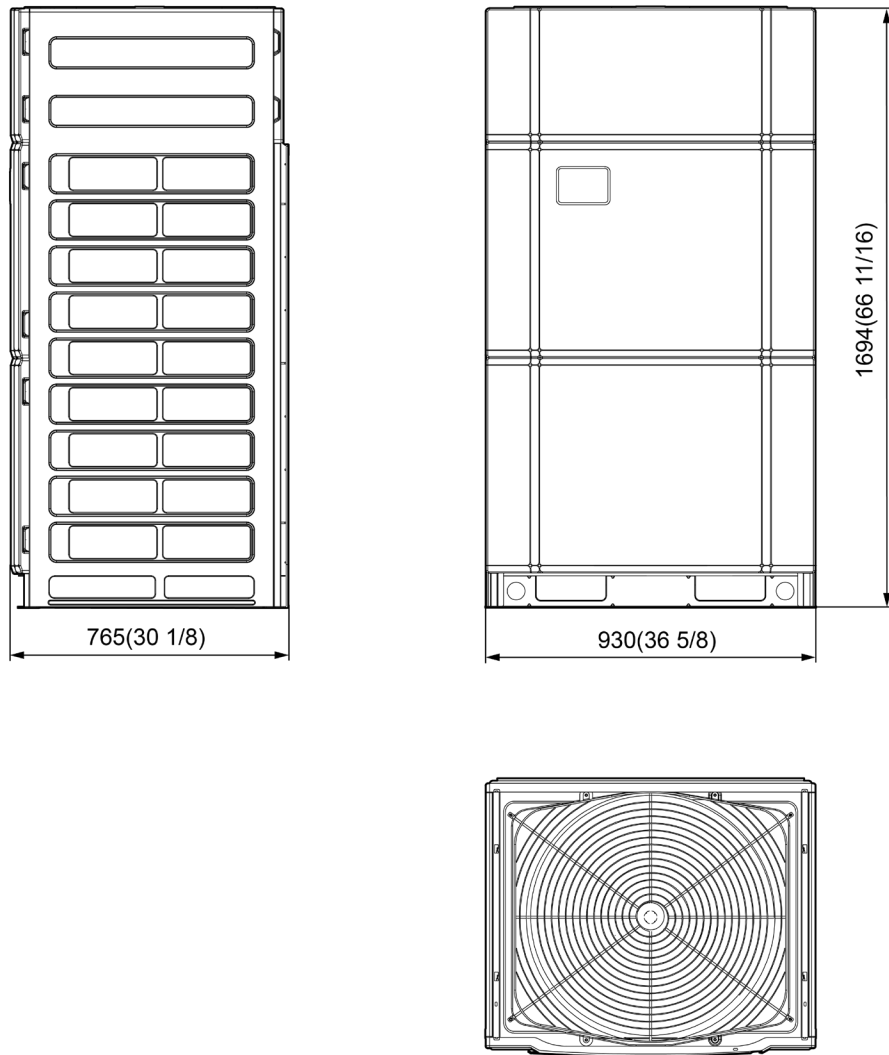


Fig. 1.1

Applicable appearance and dimension of CF899 is as shown in Fig 1.2.

Unit :mm[in.]

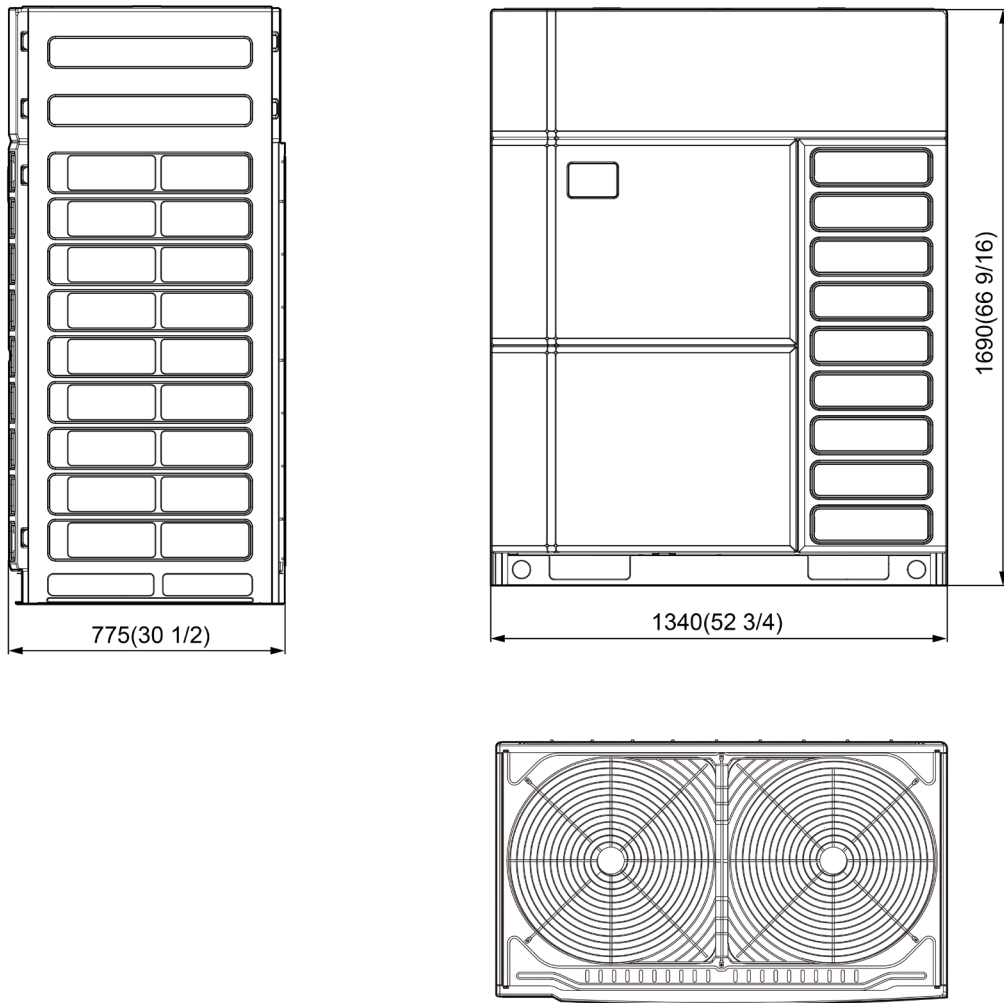
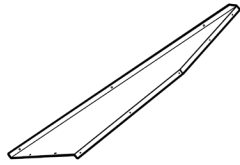
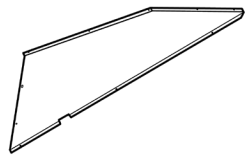
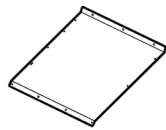
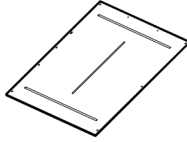
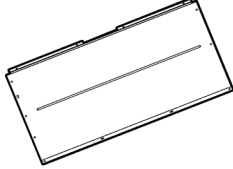
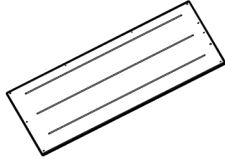
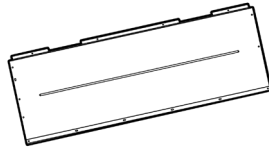
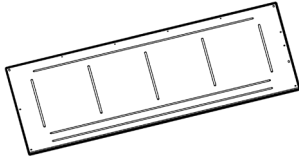
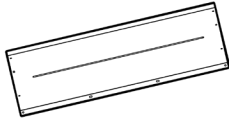
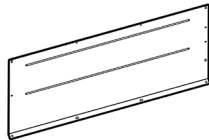
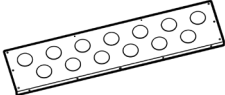
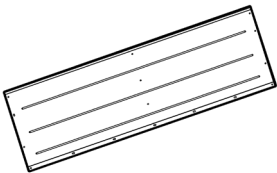
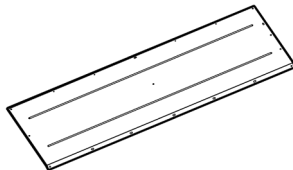


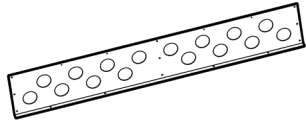
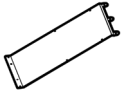
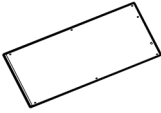
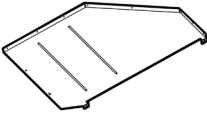
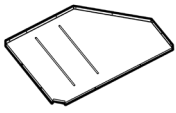
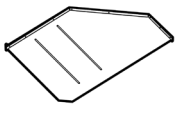



Fig. 1.2

### 1.2 Accessory list of CF898 and CF899

No.	Name	Schematic diagram	Quantity	Model
1	Left Side Plate		3	CF898
			4	CF899
2	Right Side Plate		3	CF898
			4	CF899
3	Left Plate 1		2	CF898
			2	CF899

Snow Protection Kit

4	Left Plate 2		2	CF898
			2	CF899
5	Rear Plate 1		1	CF898
6	Rear Plate 2		1	CF898
7	Rear Plate 3		1	CF899
8	Rear Plate 4		1	CF899
9	Top Plate 1		1	CF898
10	Top Plate 2		1	CF898
11	Top Plate 3		1	CF898
12	Top Plate 4		1	CF899
13	Top Plate 5		1	CF899

14	Top Plate 6		1	CF899
15	Front Plate 1		1	CF899
16	Front Plate 2		1	CF899
17	Top Side Plate		1	CF899
18	Top Right Side Plate		1	CF898
			1	CF899
19	Top Left Side Plate		1	CF898
			1	CF899
20	Pasteboard 1		2	CF898
			2	CF899
21	Pasteboard 2		1	CF899
22	Screw		90	CF898
			125	CF899

## 2. Installation notice

Pay attention to the following issues before installing the snow protection kit:

- (1) Prepare the drill  $\Phi 3.8$  before installation.
- (2) After installing the snow protection kit, there are certain losses for the air volume of the unit.
- (3) When installing the snow protection kit, the installation basis shall accord with related provisions in the user manual. If it is installed in places with heavy snowfall, increase the base height properly so that the suction side will not be buried by the snow cover.

## 3. Installation guidance

### 3.1 Key sub-assy of CF898

The CF898 contains a top sub-assy, left sub-assy, right sub-assy and rear sub-assy, as is shown in Fig 3.1.



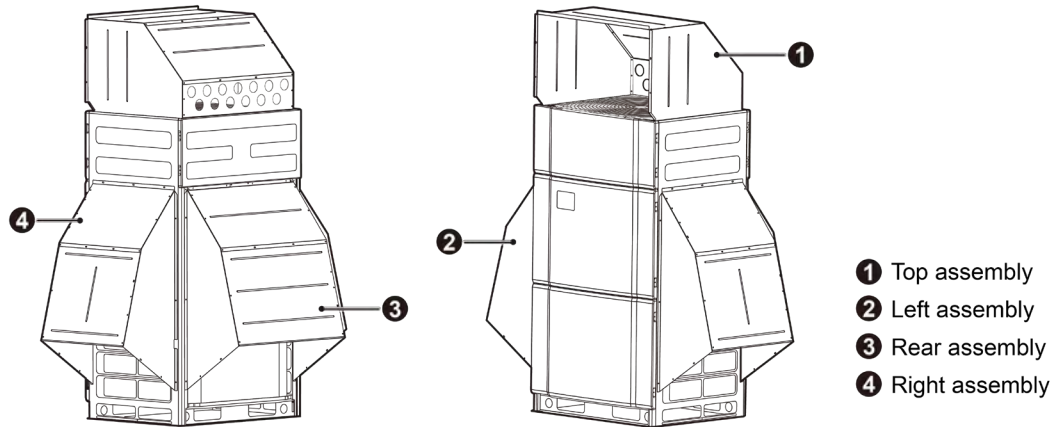
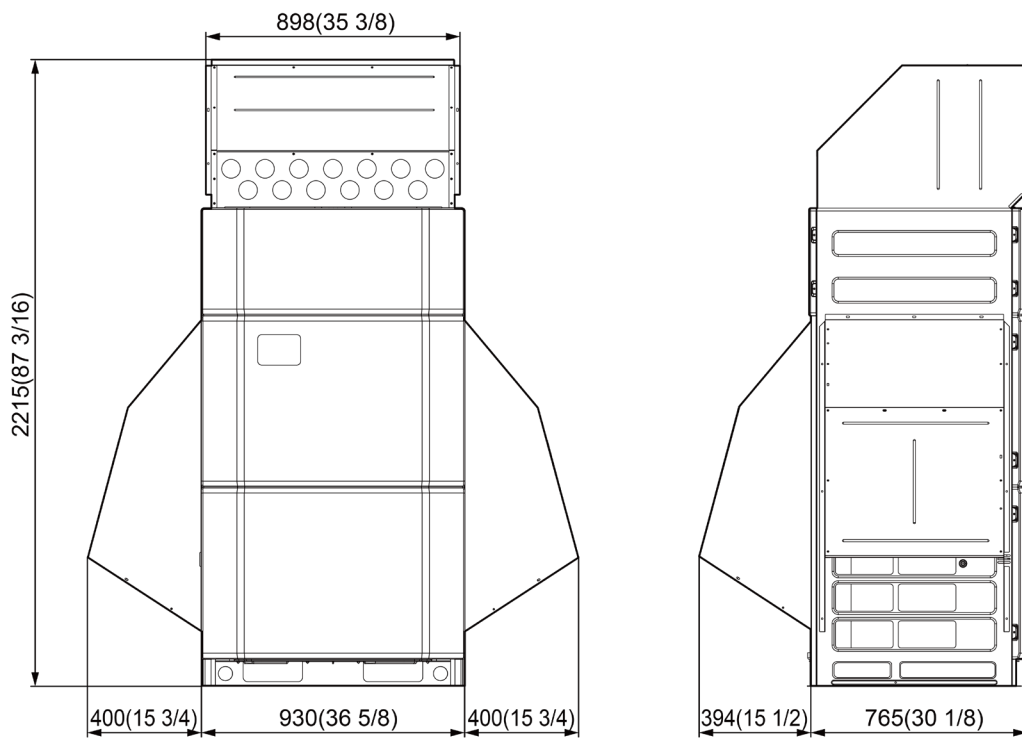


Fig 3.1

Unit :mm[in.]

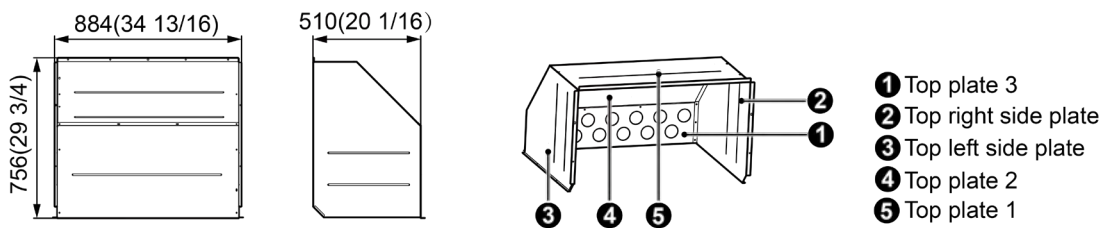


### 3.2 Installation guidance of CF898

#### 3.2.1 Installation of top sub-assy

The following picture is the size and sub-assy information of the top sub-assy.

Unit :mm[in.]



Installation sequence is as shown in Fig 3.2.

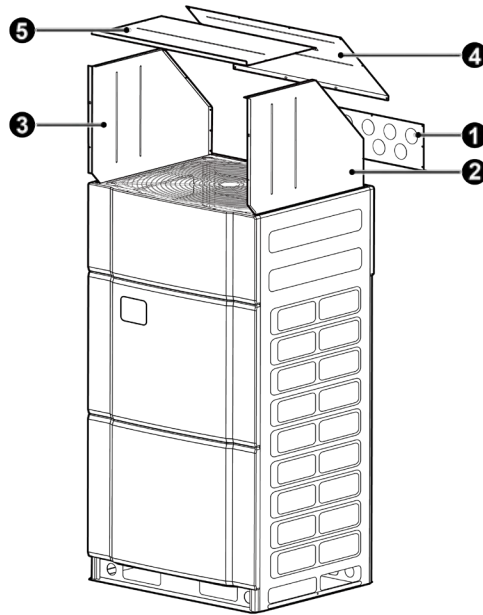


Fig. 3.2

Step 1: installation of Top Plate 3.

(1) Drill the location hole. Fix the location for Top Plate 3 through the reserved hole and panel of the unit, as is shown in Fig 3.3. Drill 4 holes with the drill  $\Phi 3.8$ , please pay attention to the drilling depth to avoid damaging the components nearby, otherwise, the unit might lose efficacy.

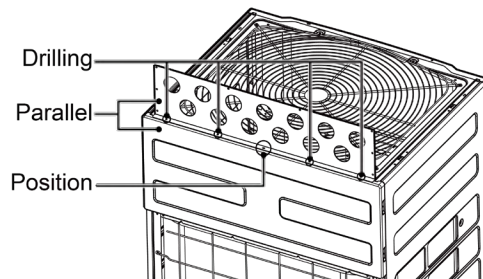


Fig. 3.3

(2) Fix the Top Plate 3 with 5 screws, as is shown in Fig 3.4.

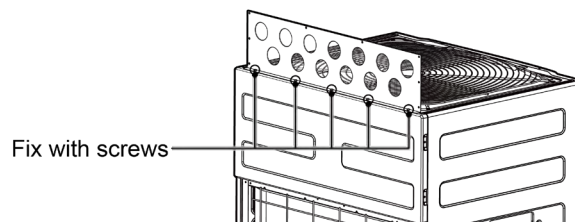


Fig. 3.4

Step 2: installation of side plate. During installation, the bottom edge of left side plate and right side plate shall be folded outwards. Please refer to Fig 3.5 for the installation location and sequence of screws.

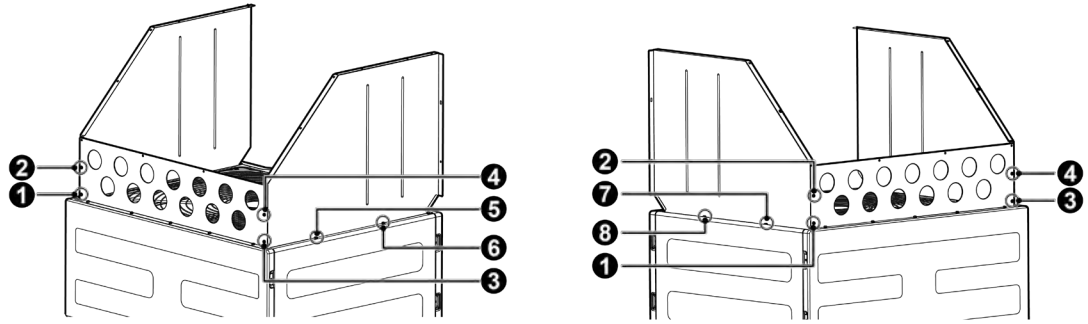


Fig. 3.5

Step 3: installation of Top Plate 2. Please refer to Fig 3.6 for the installation location and sequence of screws.

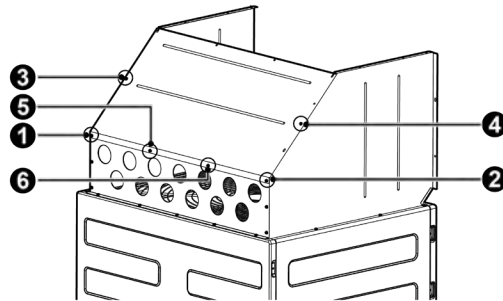


Fig. 3.6

Step 4: installation of Top Plate 1. Please refer to Fig 3.7 for the installation location and sequence of screws.

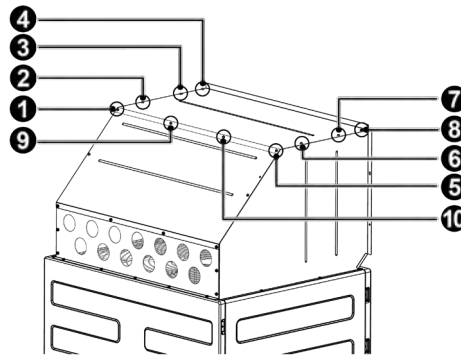
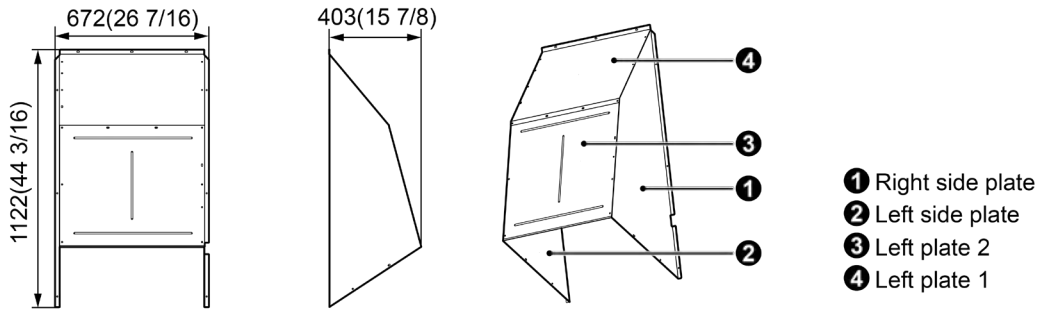


Fig. 3.7

### 3.2.2 Installation of left sub-assy

The following picture is the size and sub-assy information of the left sub-assy.

Unit :mm[in.]



Installation sequence is as is shown in Fig 3.8.

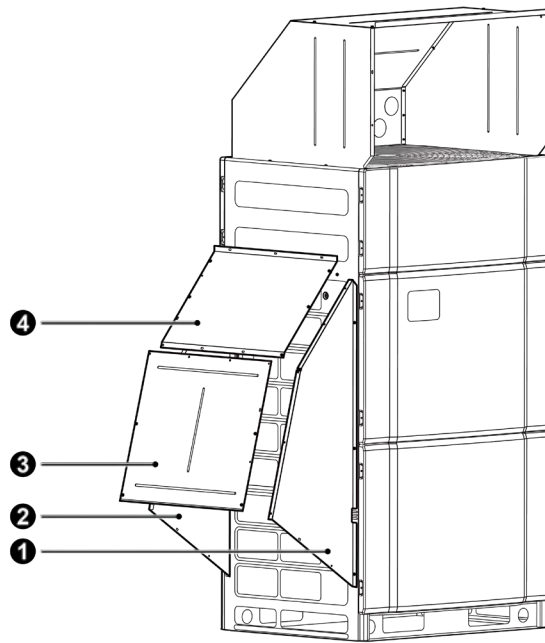


Fig. 3.8

Step 1: installation of side plate.

(1) Drill the locating screw hole on the side plate. Fix the installation pasteboard 1 to the side plate of the unit, as is shown in Fig 3.9, then drill 6 holes with the drill  $\Phi 3.8$ , please pay attention to the drilling depth to avoid damaging the components nearby, otherwise, the unit might lose efficacy.

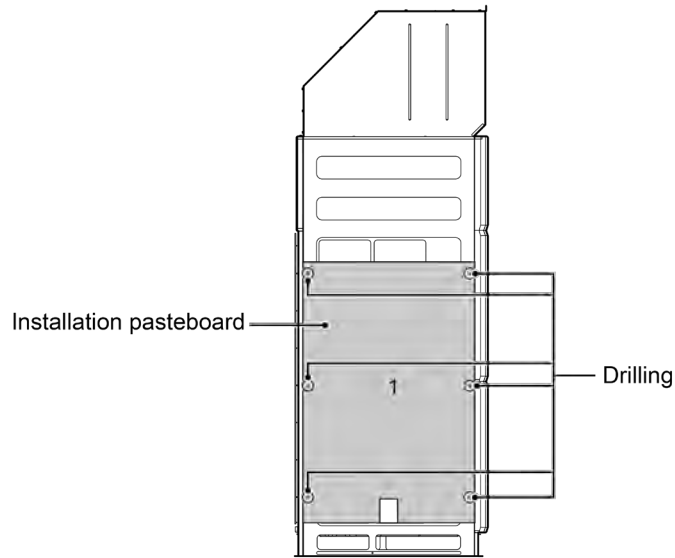


Fig. 3.9

(2) Installation of side plate. Dismantle the installation pasteboard 1. During installation, the bottom edge of left and right side plate of the left sub-assy shall be folded outwards. Fix the side plate with 6 screws, as is shown in Fig 3.10.

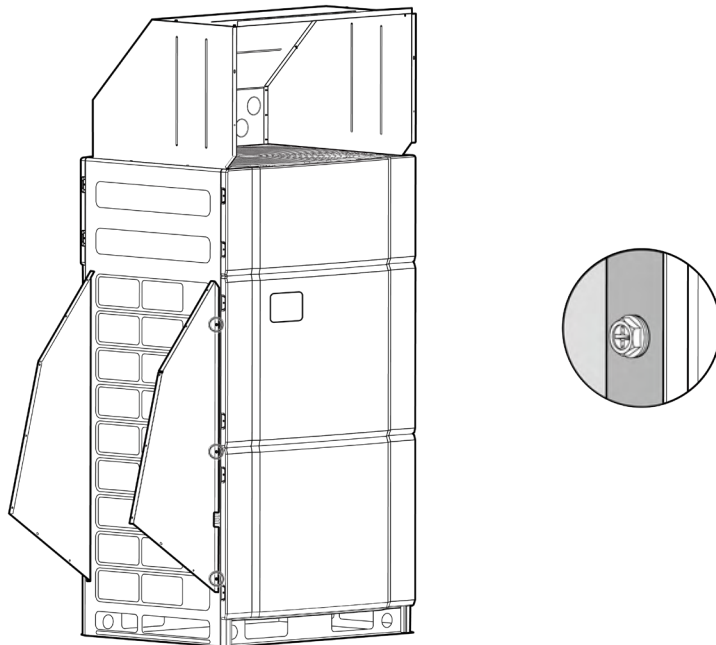


Fig. 3.10

Step 2: installation of Left Plate 2. Please refer to Fig 3.11 for the installation location and sequence of screws.

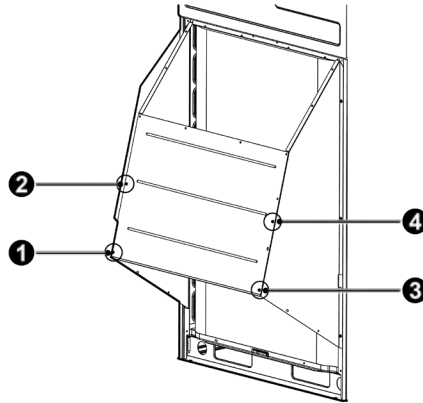


Fig. 3.11

Step 3: installation of Left Plate 1.

(1) Please refer to Fig 3.12 for the installation location and sequence of screws.

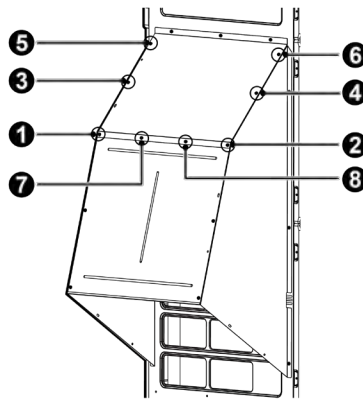


Fig. 3.12

(2) Reserve the locating hole as is shown in Fig 3.13. Drill 3 screw holes on the side plate of the unit with the drill  $\Phi 3.8$ , please pay attention to the drilling depth to avoid damaging the components nearby, otherwise, the unit might lose efficacy. Fix it with 3 screws.

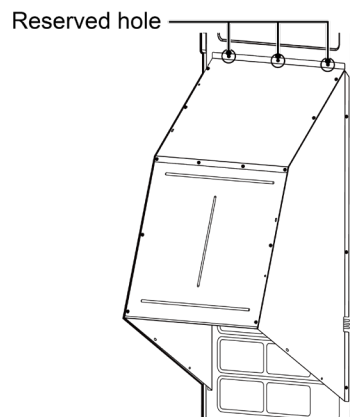


Fig. 3.13

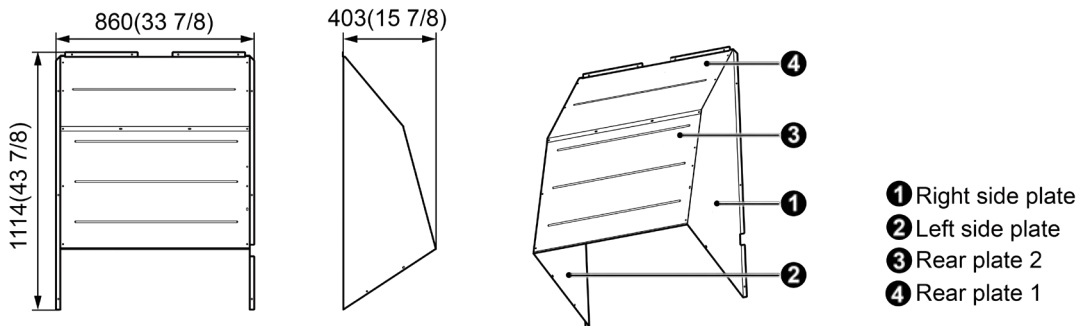
### 3.2.3 Installation of right sub-assy

The installation step of right and left sub-assy is the same, please refer to Fig 3.2.2 installation of left sub-assy for the installation of the right sub-assy.

### 3.2.4 Installation of rear sub-assy

The following picture is the size and sub-assy information of the rear sub-assy.

Unit :mm[in.]



Installation sequence is as is shown in Fig 3.14.

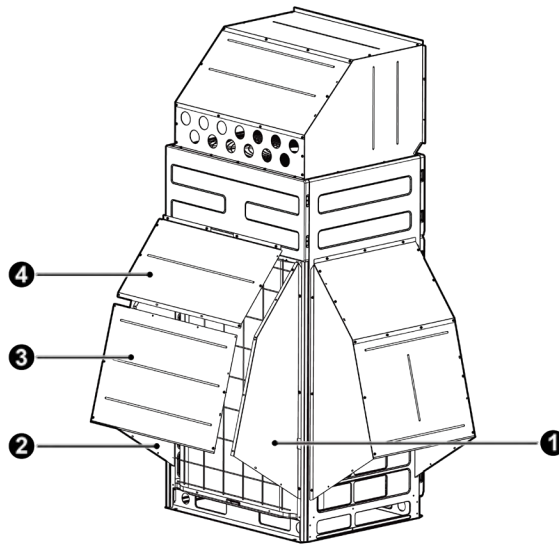


Fig. 3.14

Step 1: installation of side plate.

(1) Take down the grille, as is shown in Fig 3.15.

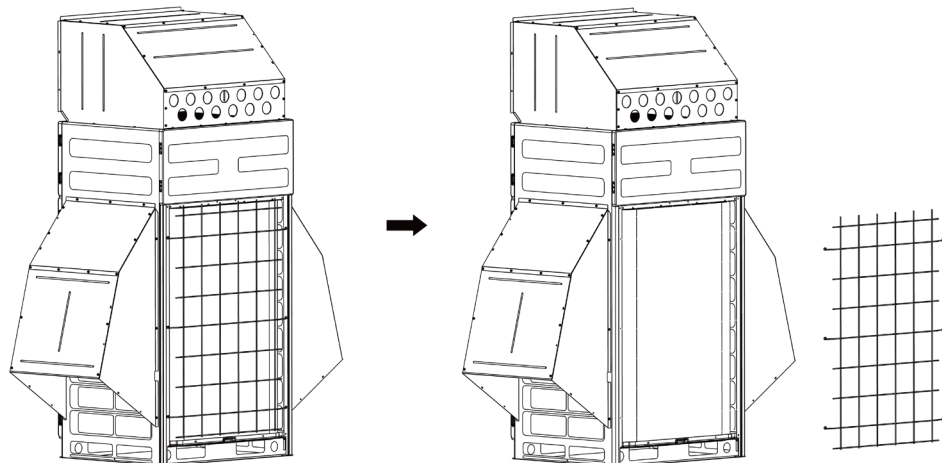


Fig. 3.15

(2) As Fig 3.16 is shown, the screw hole is empty after dismantling the grille, fix the side plate with 6 screws. During installation, the bottom edge of left side plate and right side plate shall be folded outwards. Please refer to Fig 3.17 for the completion status.

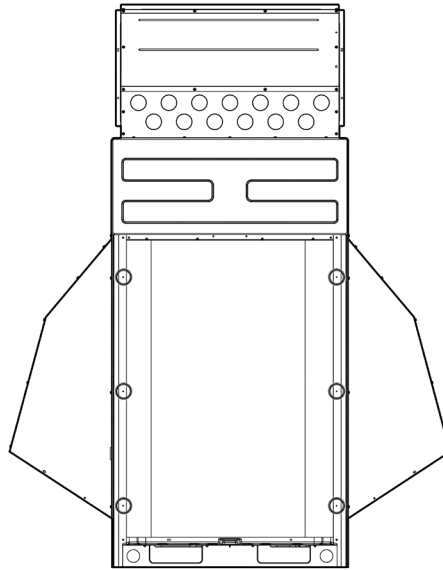


Fig. 3.16

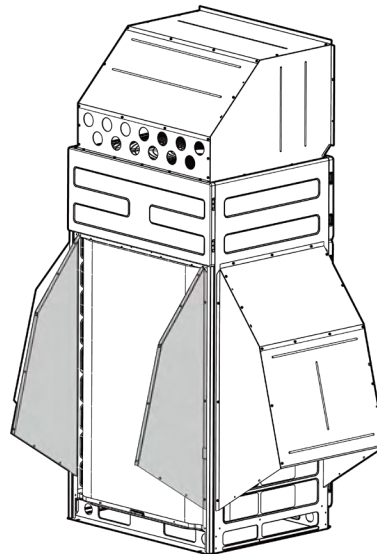


Fig. 3.17

Step 2: installation of Rear Plate 2. Please refer to Fig 3.18 for the installation location and sequence of screws.



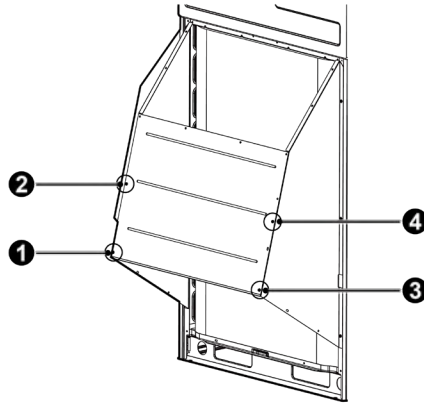


Fig. 3.18

Step 3: installation of Rear Plate 1.

(1) Please refer to Fig 3.19 for the installation location and sequence of screws.

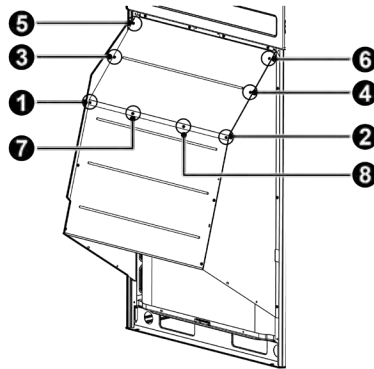


Fig. 3.19

(2) Reserve the locating hole as is shown in Fig 3.20. Drill 4 screw holes on the side plate of the unit with the drill  $\Phi 3.8$ , please pay attention to the drilling depth to avoid damaging the components nearby, otherwise, the unit might lose efficacy. Fix it with 4 screws.

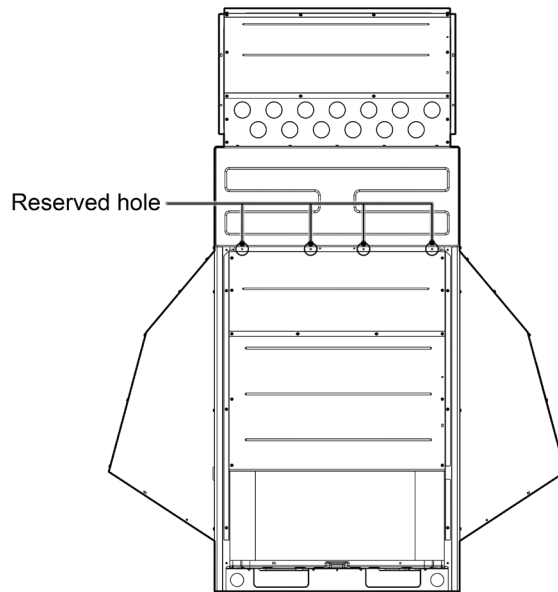


Fig. 3.20

### 3.3 Key sub-assy of CF899

The CF899 contains a top sub-assy, left sub-assy, right sub-assy and rear sub-assy, as is shown in Fig 3.21.

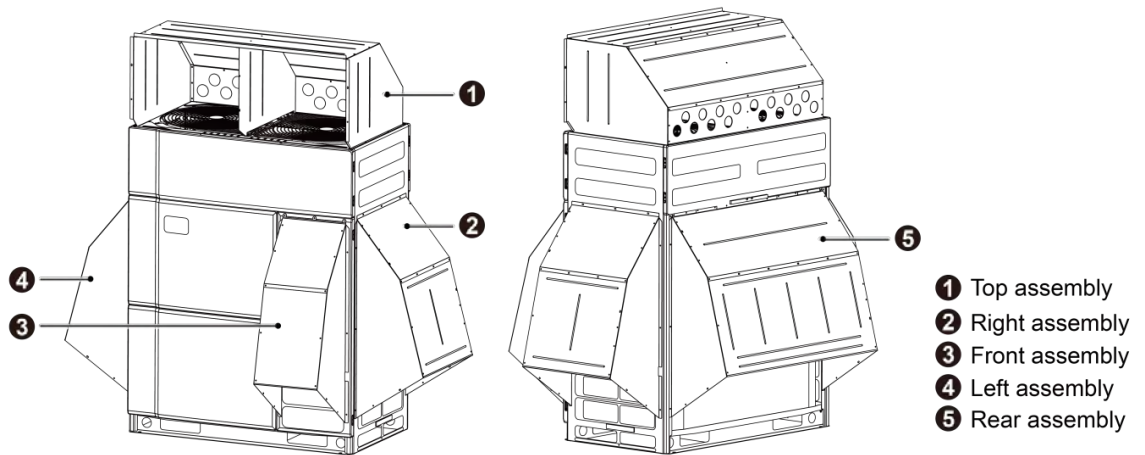
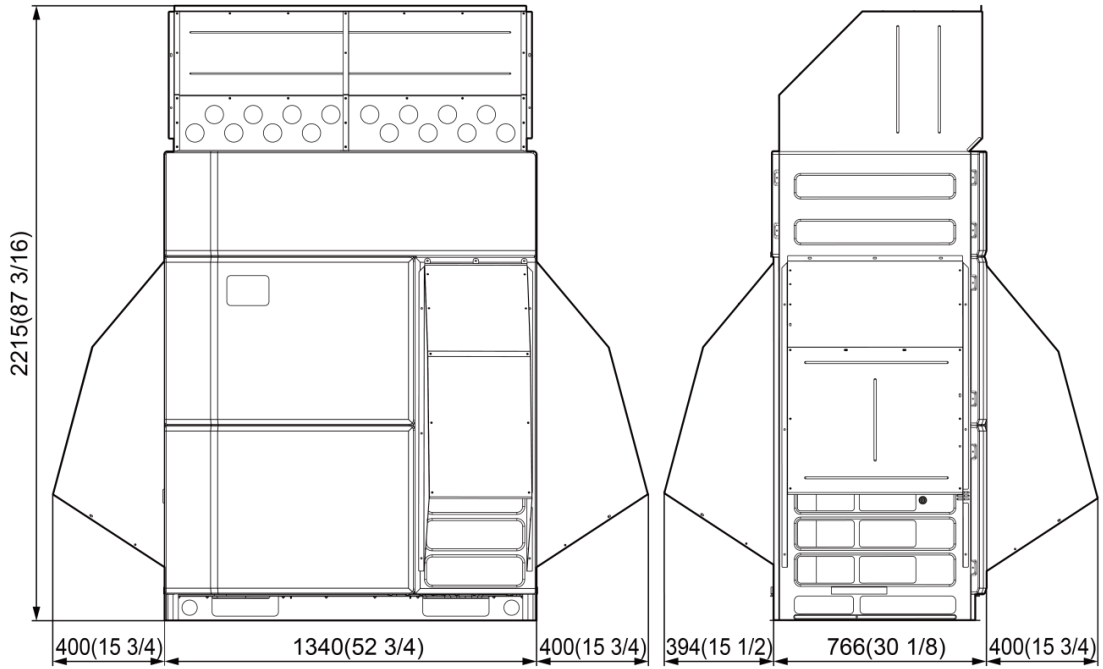


Fig.3.21

Unit :mm[in.]

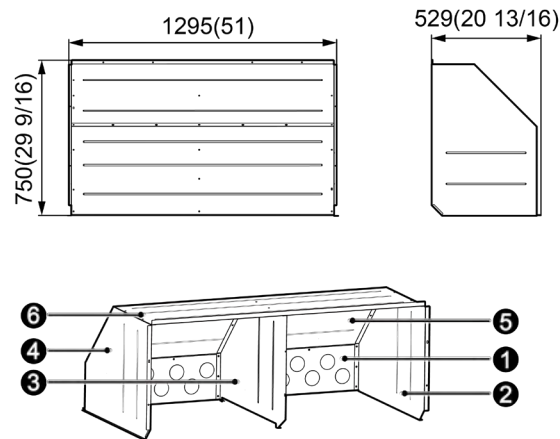


### 3.4 Installation guidance of CF899

#### 3.4.1 Installation of top sub-assy

The following picture is the size and sub-assy information of the top sub-assy.

Unit :mm[in.]



Installation sequence is as is shown in Fig 3.22.

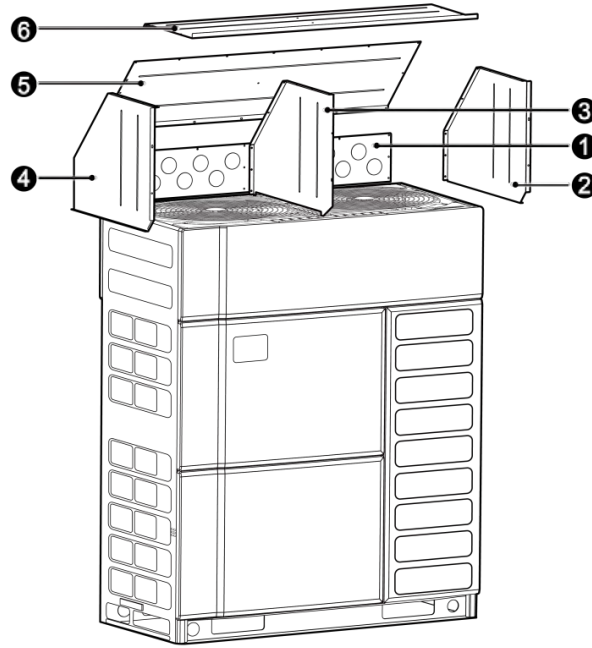


Fig. 3.22

Step 1: installation of Top Plate 6. Please refer to Fig 3.23 for the installation location and sequence of screws.

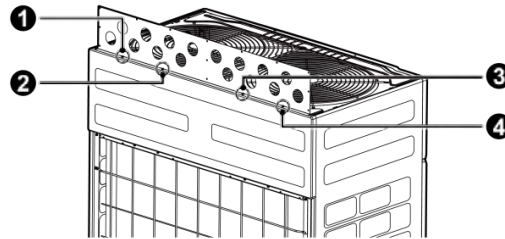


Fig. 3.23

Step 2: installation of side plate. During installation, the bottom edge of left side plate and right side plate shall be folded outwards. Please refer to Fig 3.23 for the installation location and sequence of screws.

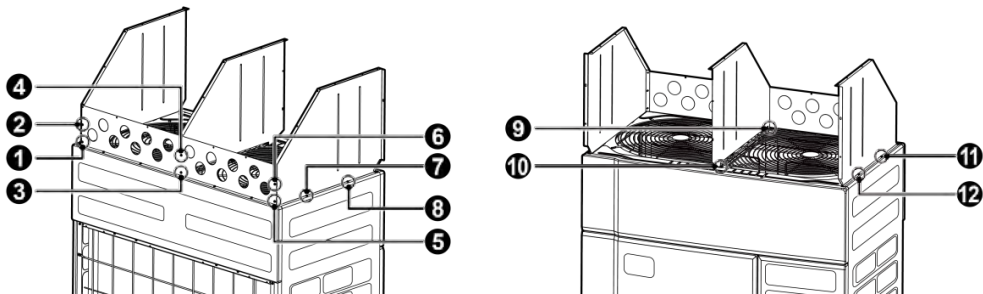


Fig. 3.23

Step 3: installation of Top Plate 5. Please refer to Fig 3.24 for the installation location and sequence of screws.

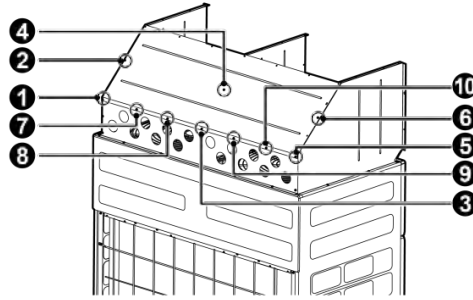


Fig. 3.24

Step 4: installation of Top Plate 4. Please refer to Fig 3.25 for the installation location and sequence of screws.

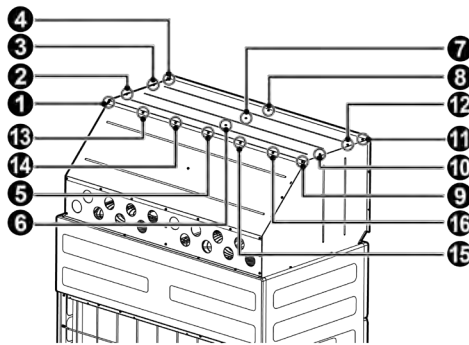


Fig. 3.25

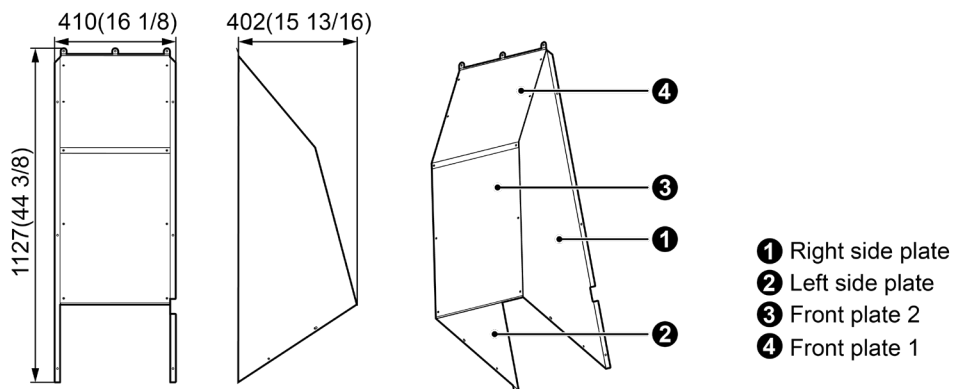
### 3.4.2 Installation of left and right sub-assy

The installation step of left and right sub-assy is the same, please refer to Fig 3.2.2 installation of left sub-assy for the installation of the right sub-assy.

### 3.4.3 Installation of front sub-assy

The following picture is the size and sub-assy information of the front sub-assy.

Unit :mm[in.]



Installation sequence is as is shown in Fig 3.26.

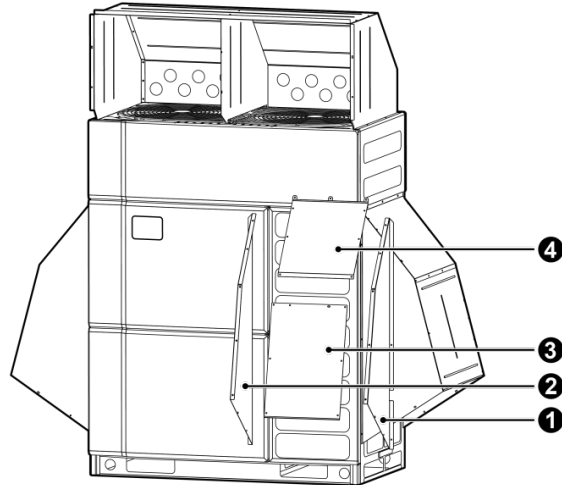


Fig. 3.26

Step 1: installation of side plate of front sub-assy.

(1) Drill the locating screw hole on the front panel. Fix the installation pasteboard 2 to the side plate of the unit, as is shown in Fig 3.27, then drill 6 holes with the drill  $\Phi 3.8$ , please pay attention to the drilling depth to avoid damaging the components nearby, otherwise, the unit might lose efficacy.

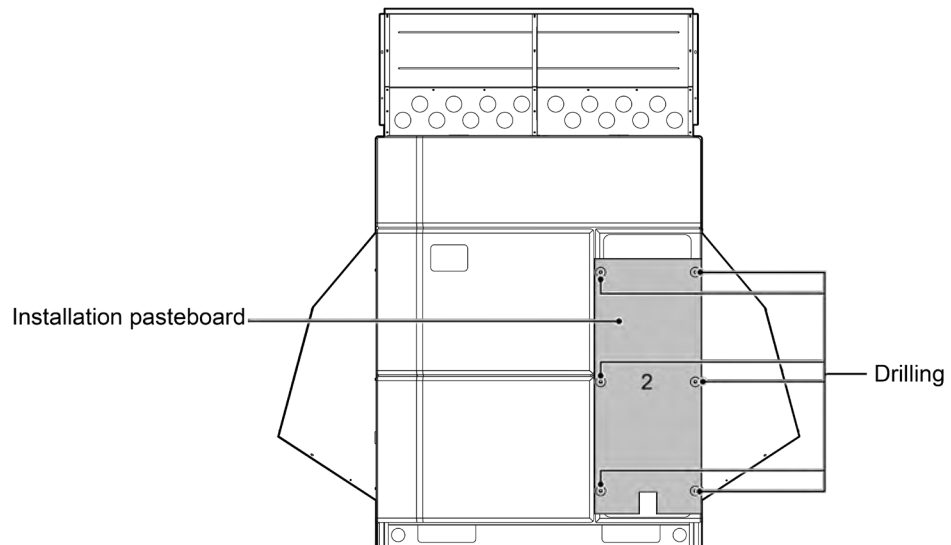


Fig. 3.27

(2) Installation of side plate. Dismantle the installation pasteboard 1. During installation, the bottom edge of left and right side plate of the left sub-assy shall be folded outwards. Fix the side plate with 6 screws, as is shown in Fig 3.28.

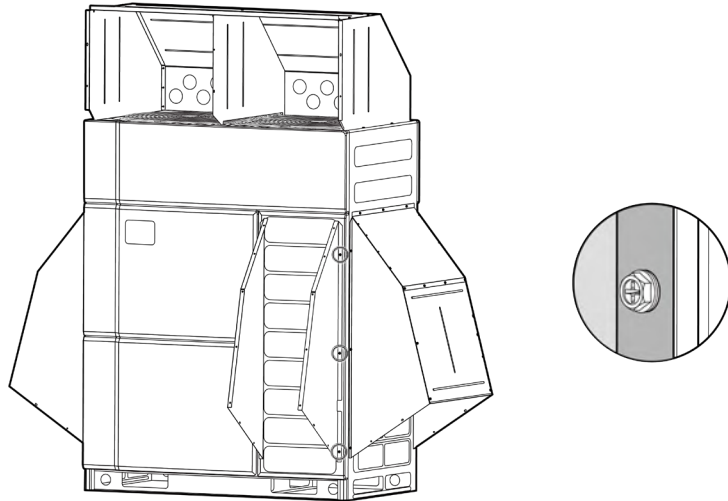


Fig. 3.28

Step 2: installation of Front Plate 2. Please refer to Fig 3.29 for the installation location and sequence of screws.

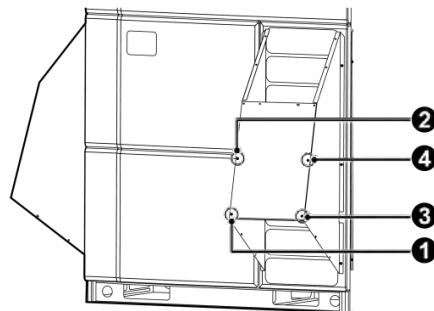


Fig. 3.29

Step 3: installation of Front Plate 1.

(1) Please refer to Fig 3.30 for the installation location and sequence of screws.

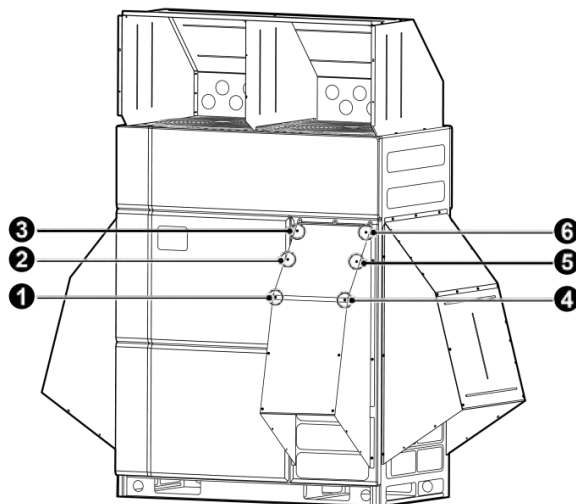


Fig. 3.30

(2) Reserve the locating hole as is shown in Fig 3.31. Drill 3 screw holes on the side plate of

the unit with the drill  $\Phi 3.8$ , please pay attention to the drilling depth to avoid damaging the components nearby, otherwise, the unit might lose efficacy. Fix it with 3 screws.

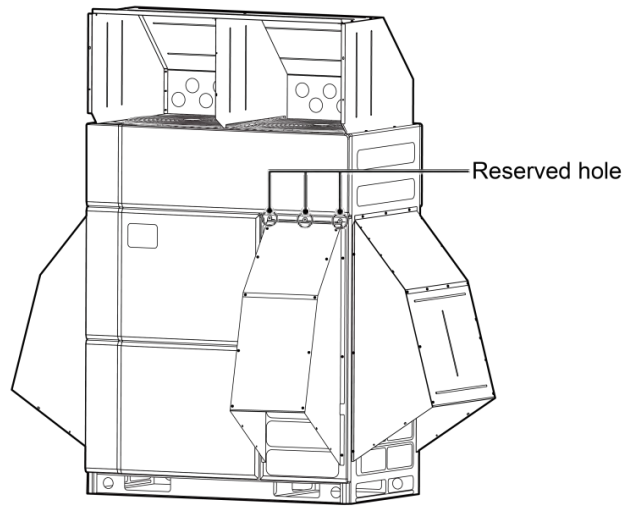
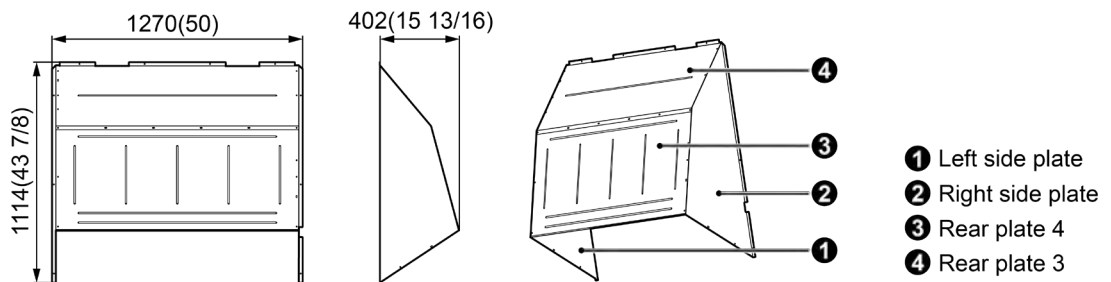


Fig. 3.31

### 3.4.4 Installation of rear sub-assy

The following picture is the size and sub-assy information of the rear sub-assy.

Unit :mm[in.]



Installation sequence is as is shown in Fig 3.32.

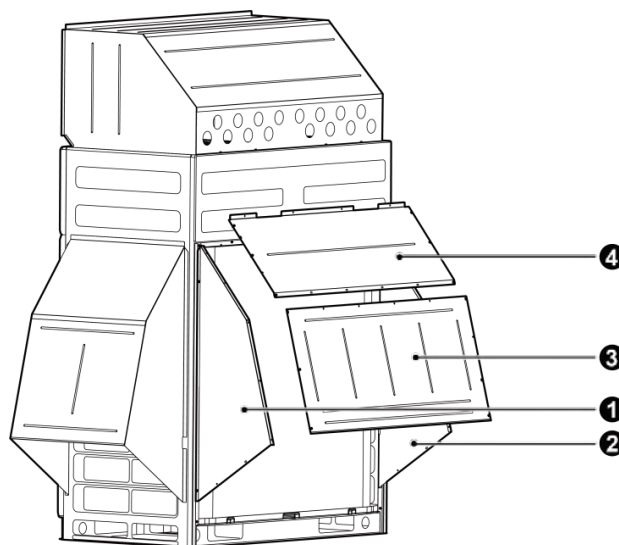


Fig. 3.32



Step 1: installation of the side plate of rear sub-assy.

(1) Take down the grille, as is shown in Fig 3.33.

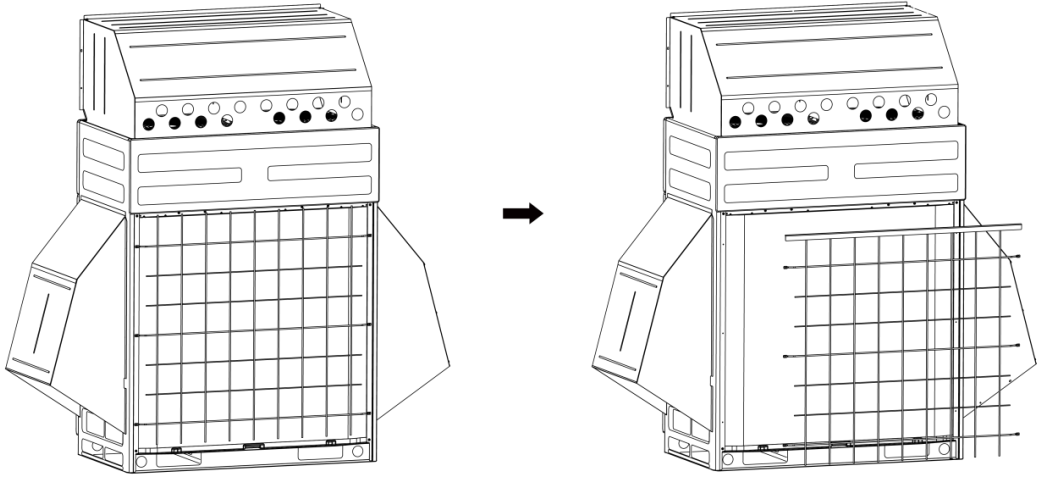


Fig. 3.33

(2) As Fig 3.34 is shown, the screw hole is empty after dismantling the grille, fix the side plate with 6 screws. During installation, the bottom edge of left side plate and right side plate shall be folded outwards. Please refer to Fig 3.35 for the completion status.

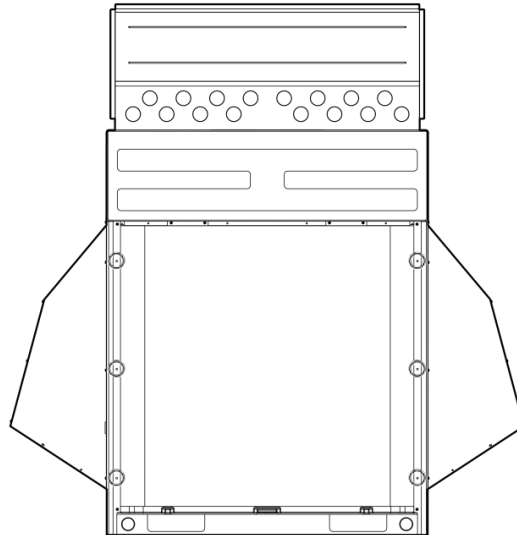


Fig. 3.34

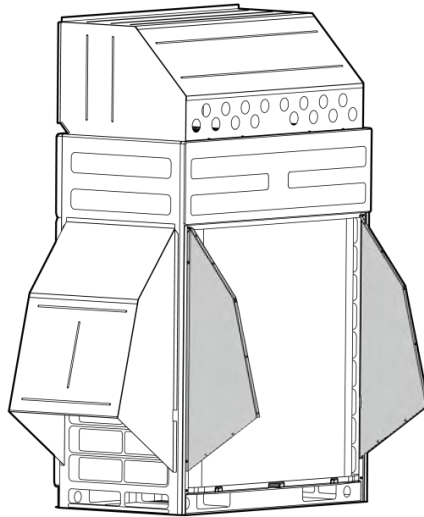


Fig. 3.35

Step 2: installation of Rear Plate 4. Please refer to Fig 3.36 for the installation location and sequence of screws.

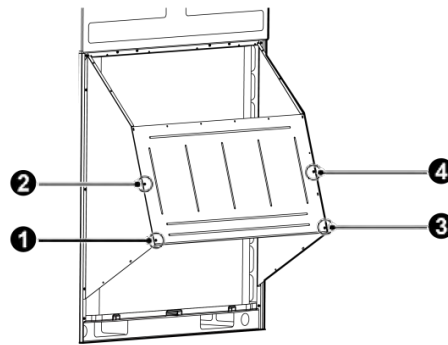


Fig. 3.36

Step 3: installation of Rear Plate 3.

(1) Please refer to Fig 3.37 for the installation location and sequence of screws.

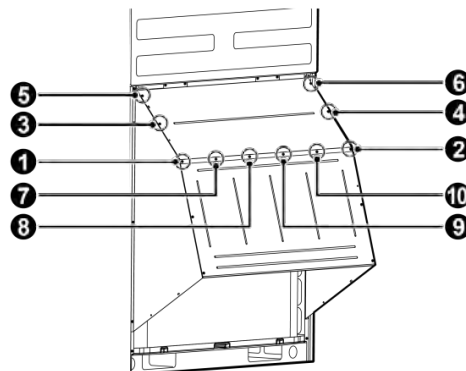


Fig. 3.37

(2) Reserve the locating hole as is shown in Fig 3.38. Drill 4 screw holes on the side plate of the unit with the drill  $\Phi 3.8$ , please pay attention to the drilling depth to avoid damaging the components nearby, otherwise, the unit might lose efficacy. Fix it with 4 screws.

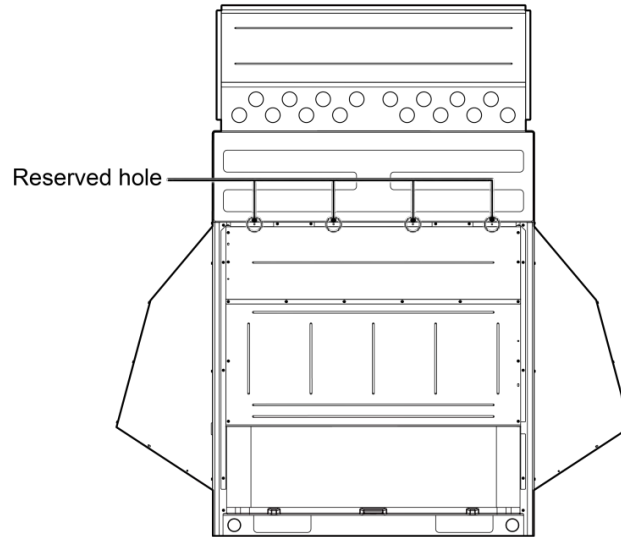


Fig. 3.38

#### 4. Parts dimension

Statement: The material shall meet the following conditions:

Galvanization of 275um

Wear-resisting of at least 10 years

Thickness: 0.95mm

The radius of bending interior angle not marked is R0.5; the radius of filleted corner not marked is R3.

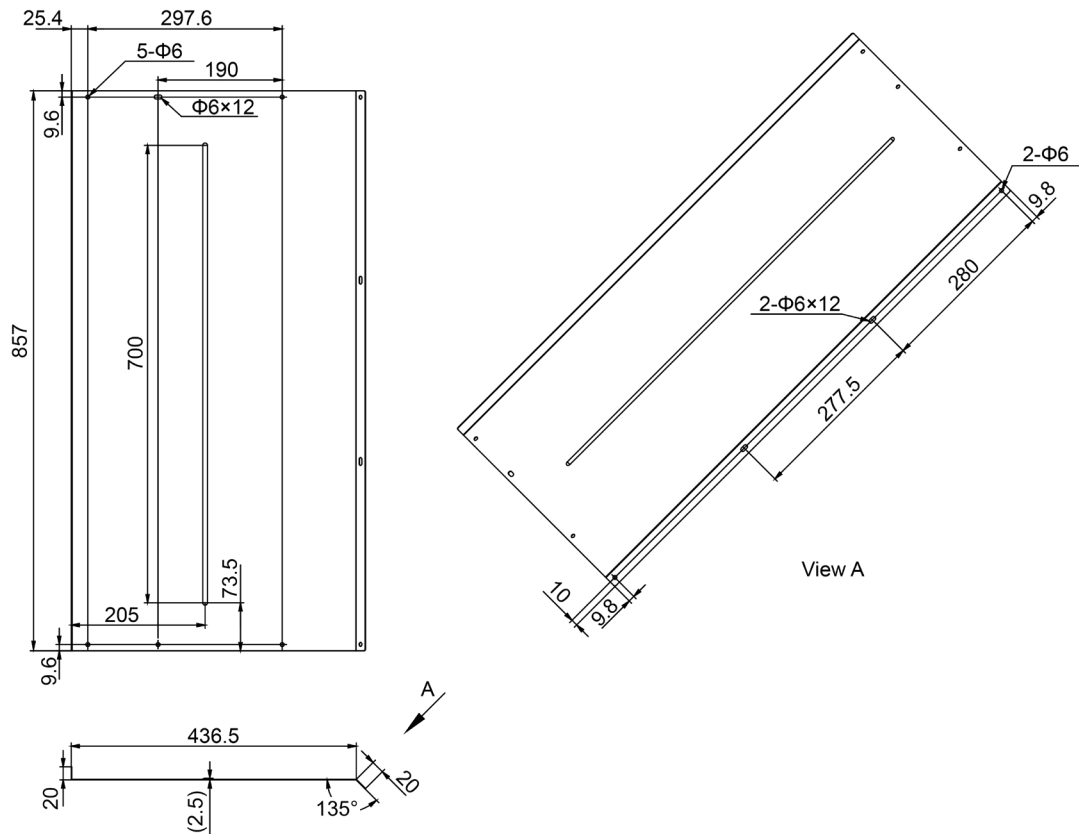
Size (mm)	Tolerance
Below10mm	±0.3
From10mm- Below300mm	±0.5
From300mm-Below1000mm	±1.0
Above1000mm	±1.5

The components must be sprayed.

Part	Page	Part	Page	Part	Page	Part	Page
Top Plate 1	24	Top Plate 6	27	Right Side Plate	30	Front Plate 1	35
Top Plate 2	24	Rear Plate 1	28	Left Side Plate	31	Front Plate 2	36
Top Plate 3	24	Rear Plate 2	28	Top Side Plate	32	Left Plate 1	37
Top Plate 4	25	Rear Plate 3	29	Top Right Side Plate	33	Left Plate 2	38
Top Plate 5	26	Rear Plate 4	29	Top Left Side Plate	34		

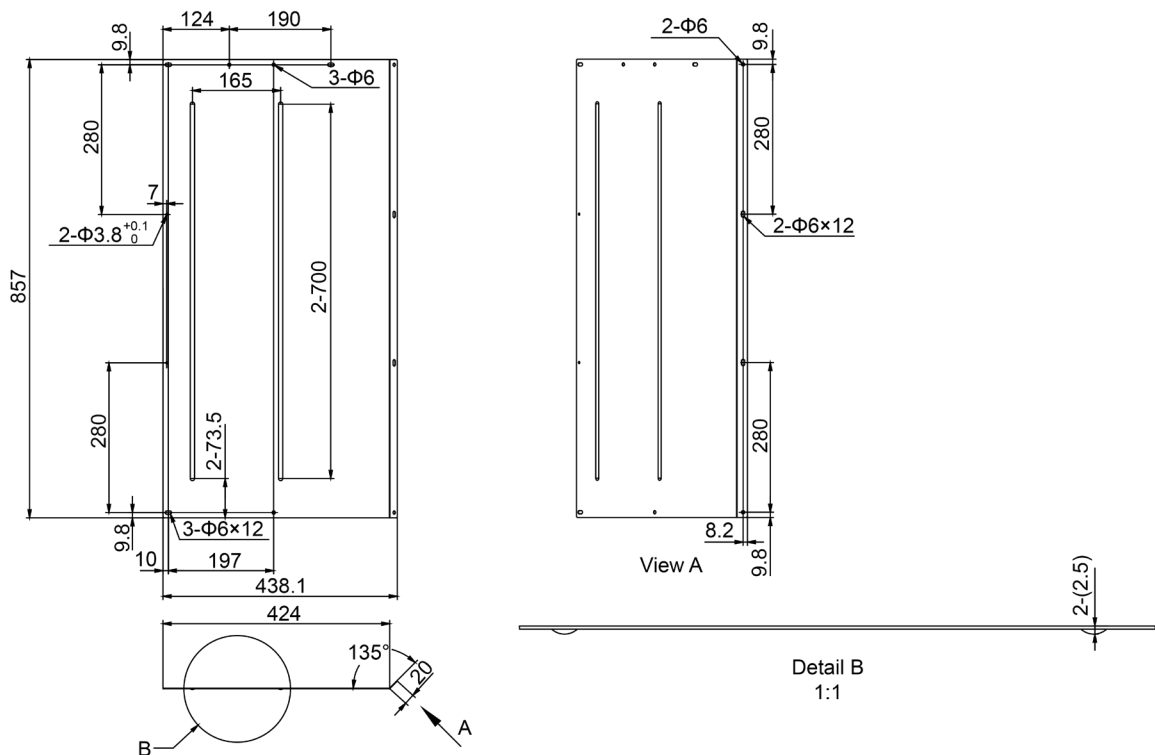
Unit :mm

**Top Plate 1**



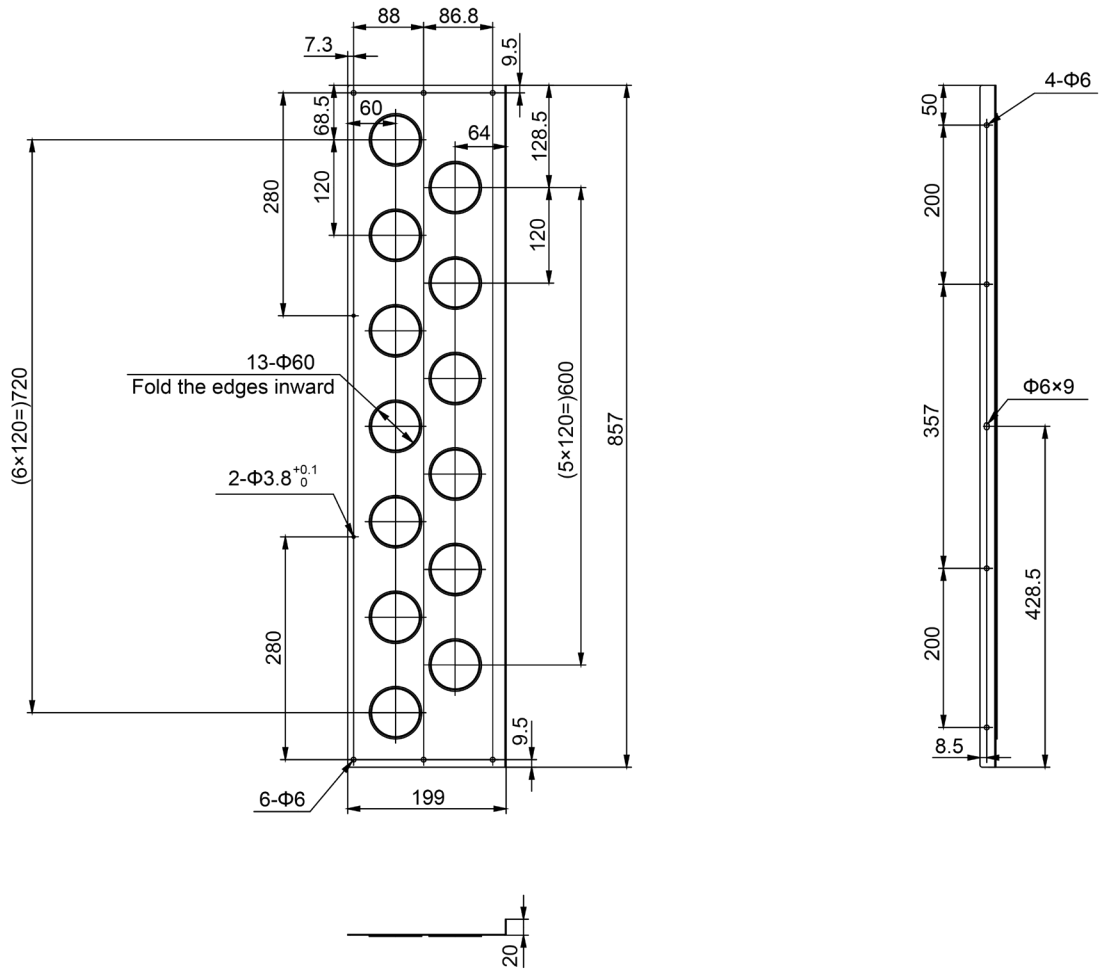
**Top Plate 2**

Unit :mm



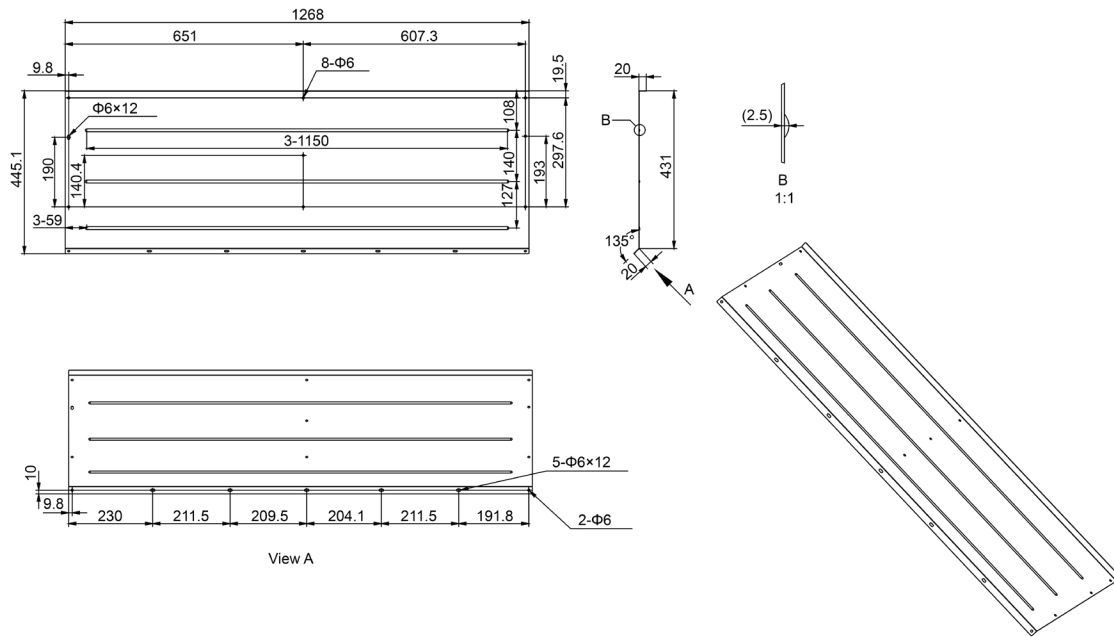
**Top Plate 3**

Unit :mm



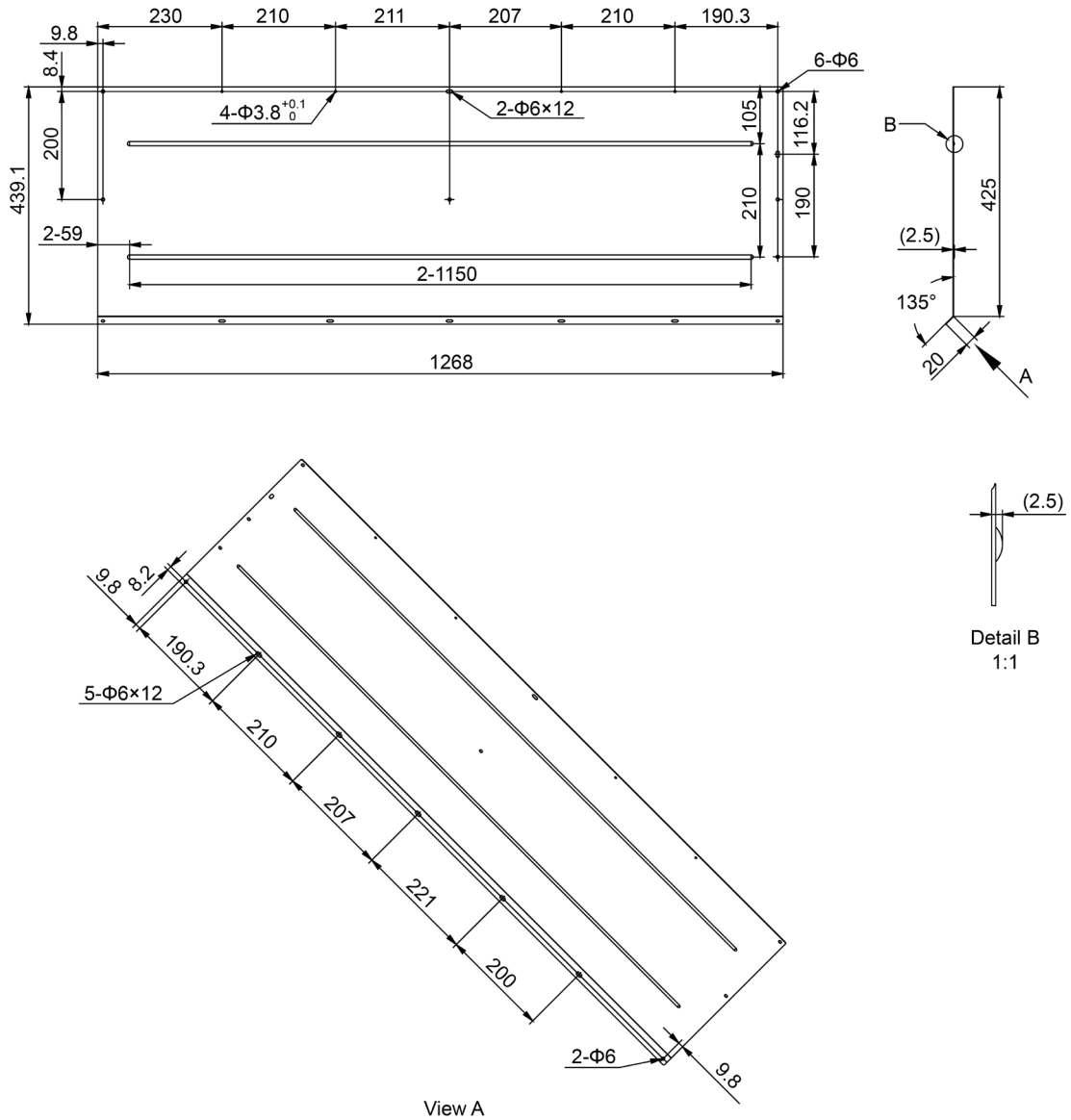
**Top Plate 4**

Unit :mm



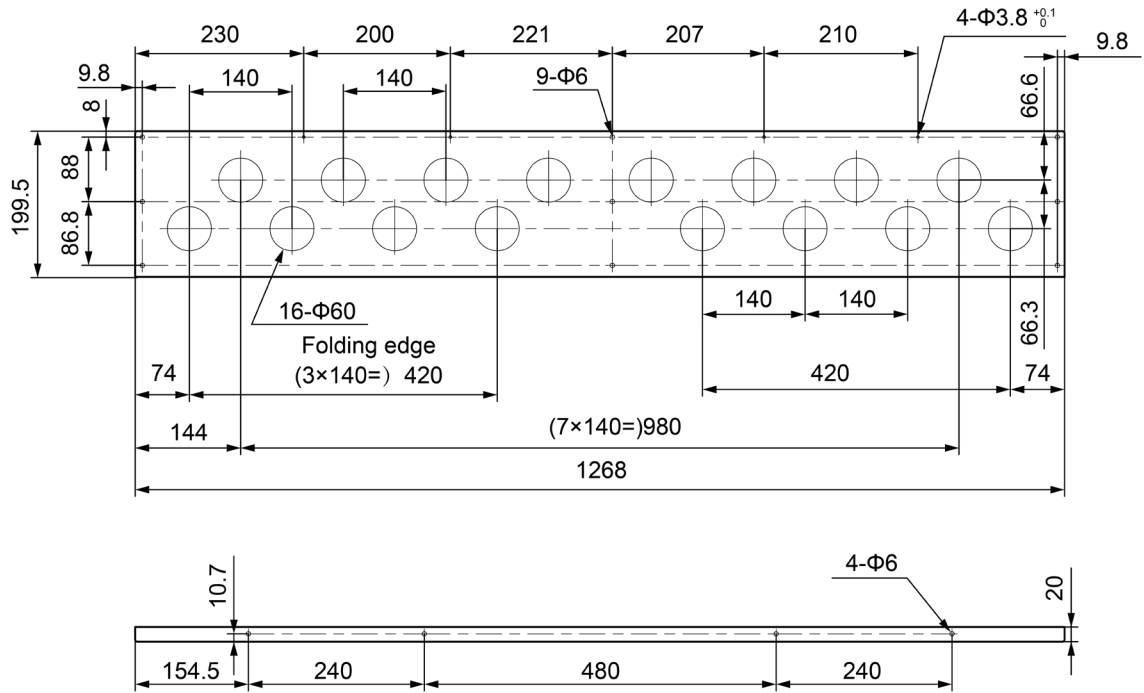
**Top Plate 5**

Unit :mm



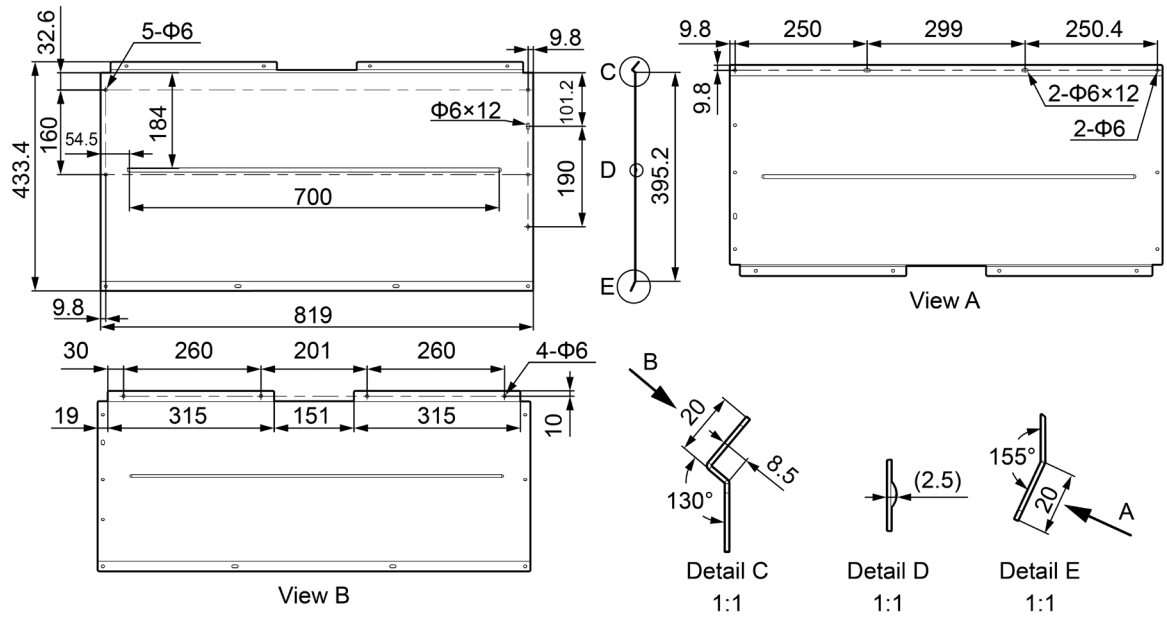
**Top Plate 6**

Unit :mm



**Rear Plate 1**

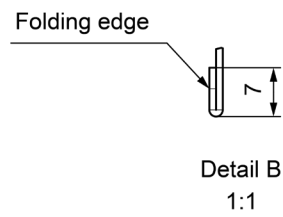
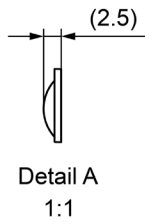
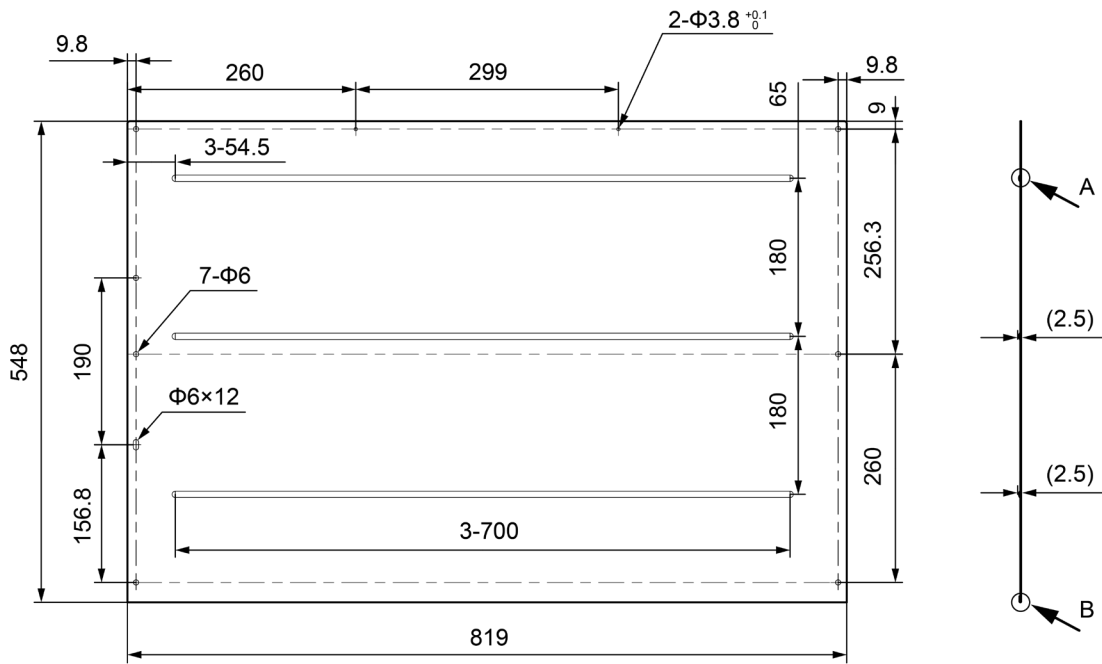
Unit :mm



**Rear Plate 2**

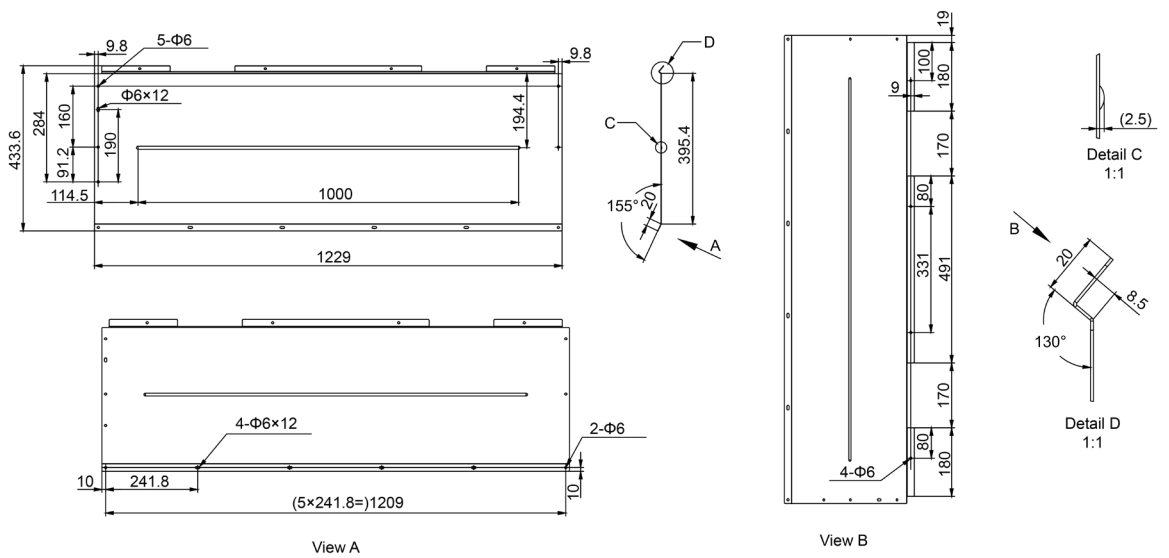
Unit :mm





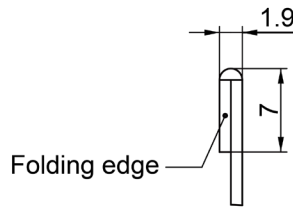
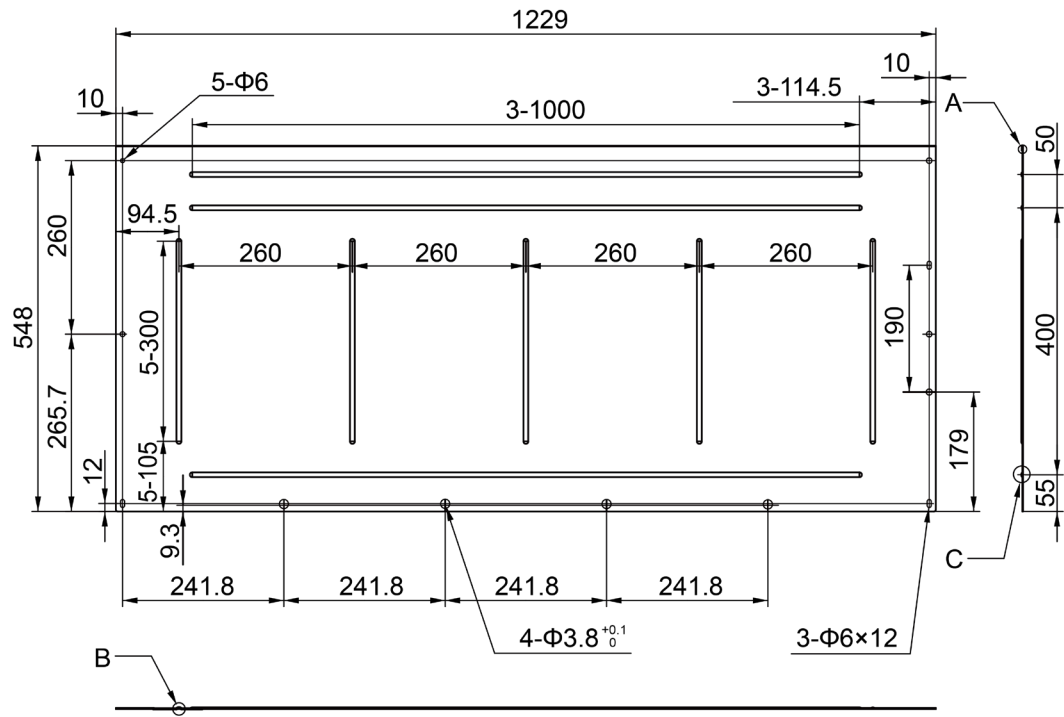
**Rear Plate 3**

Unit :mm

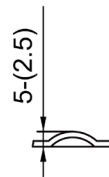


**Rear Plate 4**

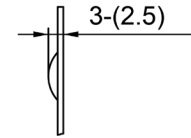
Unit :mm



Detail A  
2:1



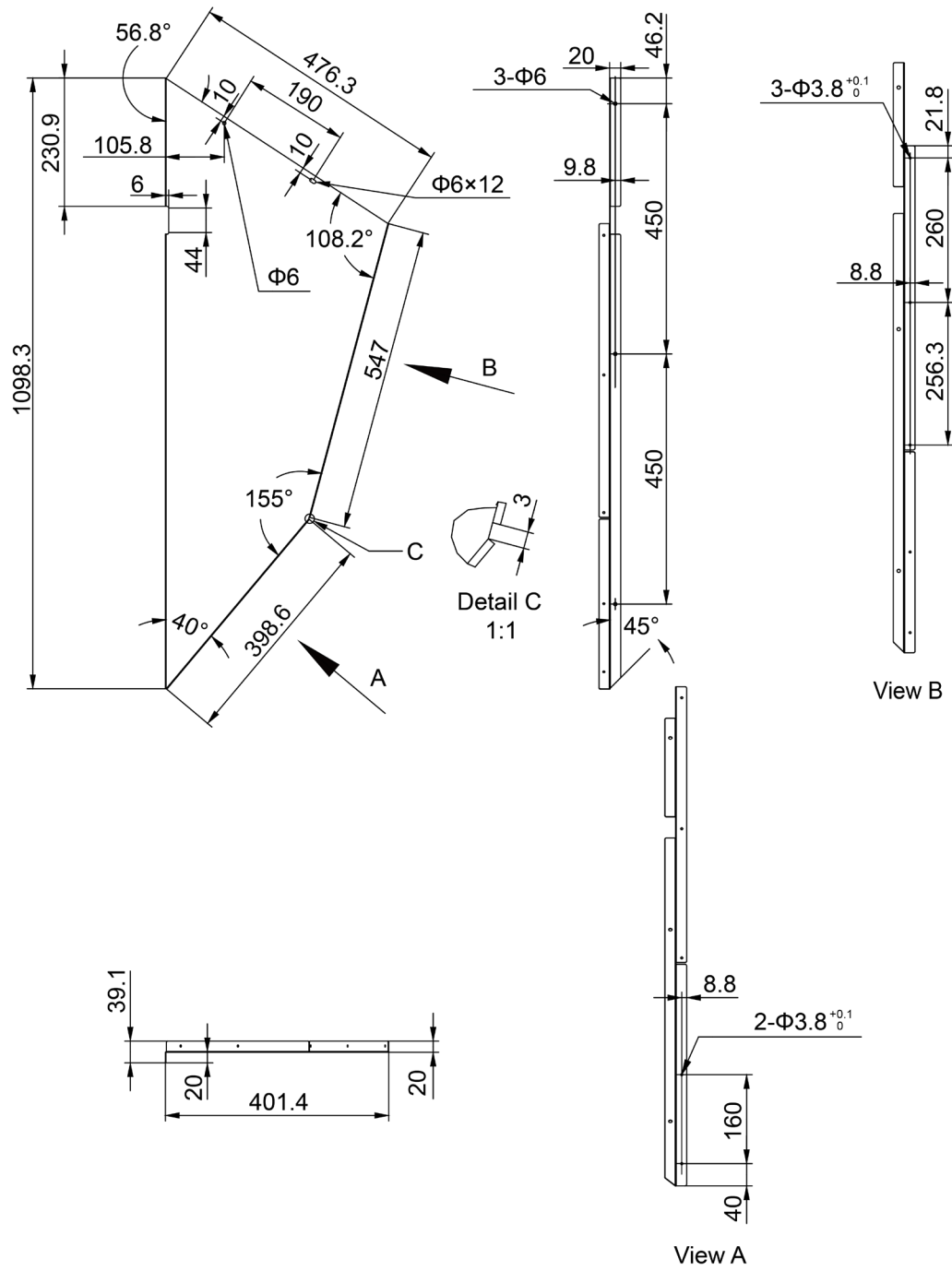
Detail B  
1:1



Detail C  
1:1

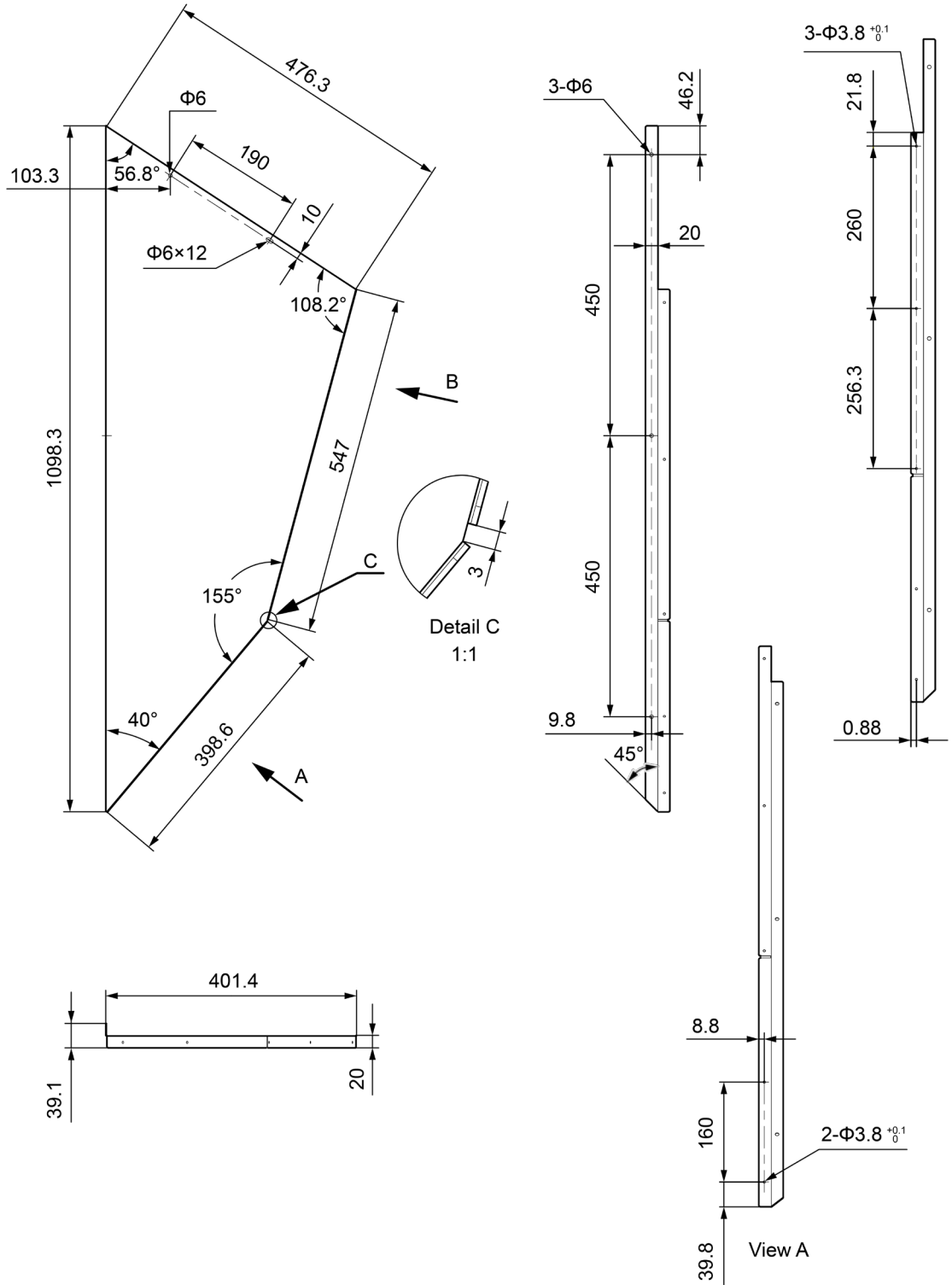
**Right Side Plate**

Unit :mm



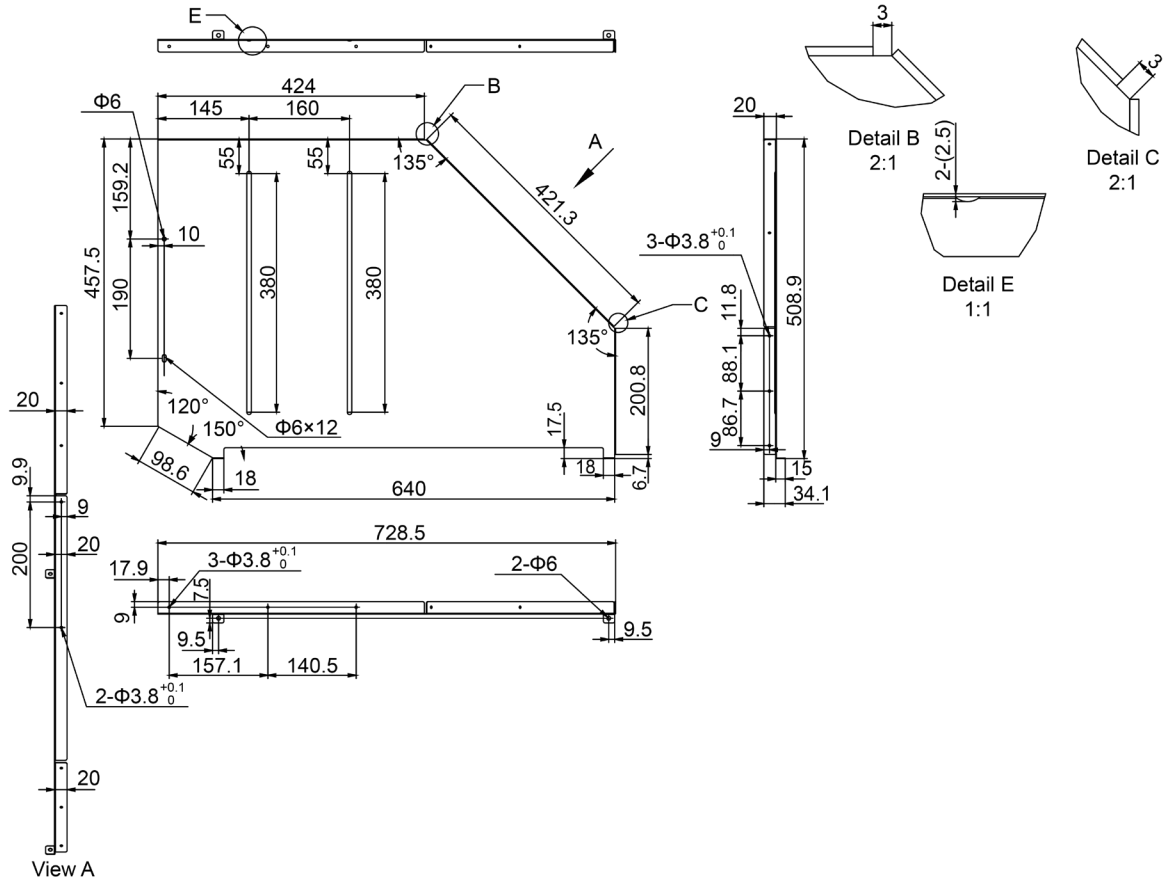
Left Side Plate

Unit :mm



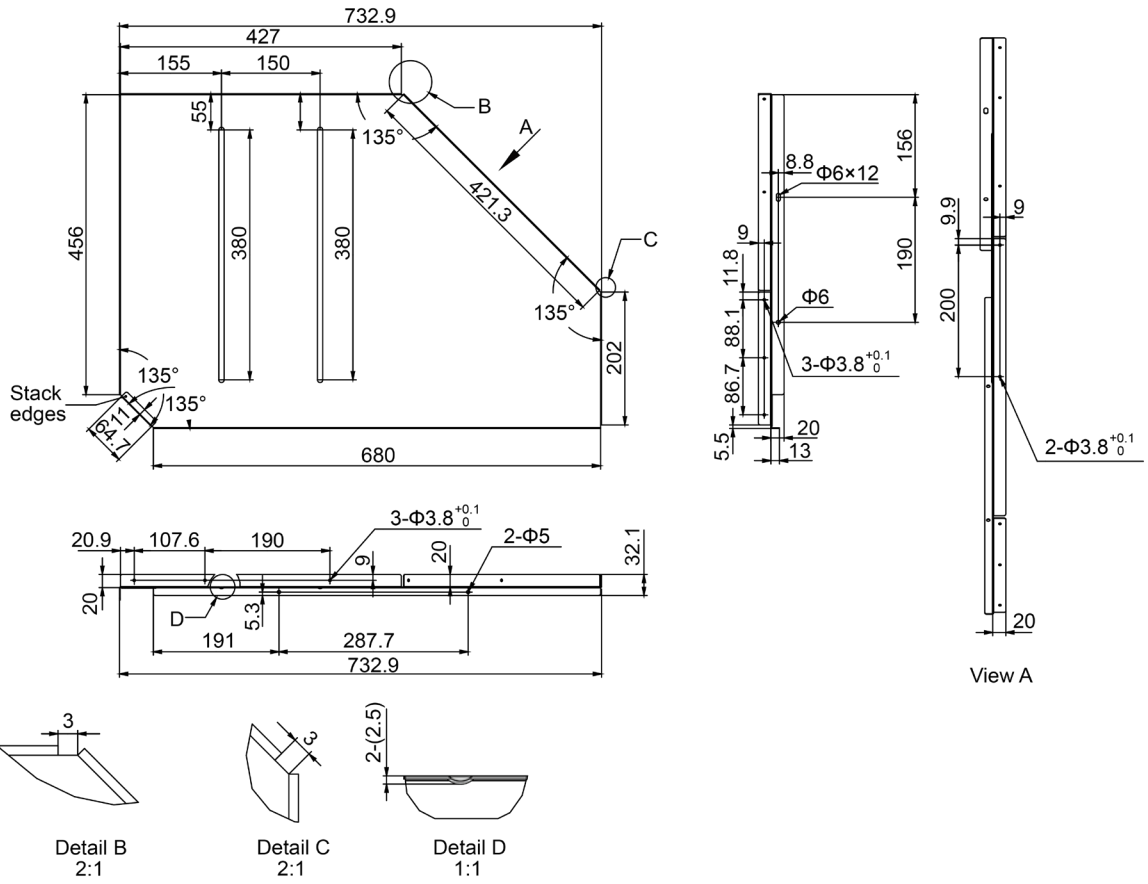
Top Side Plate

Unit :mm



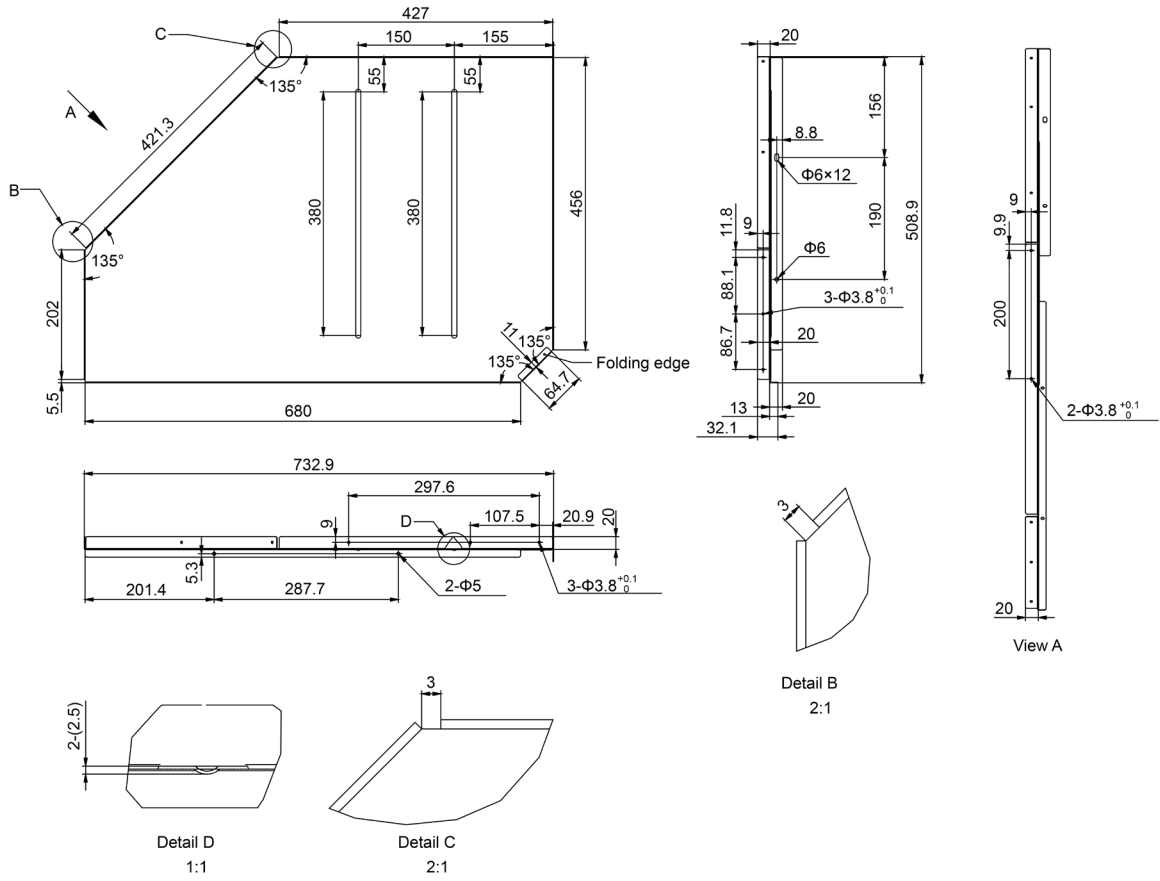
**Top Right Side Plate**

Unit :mm



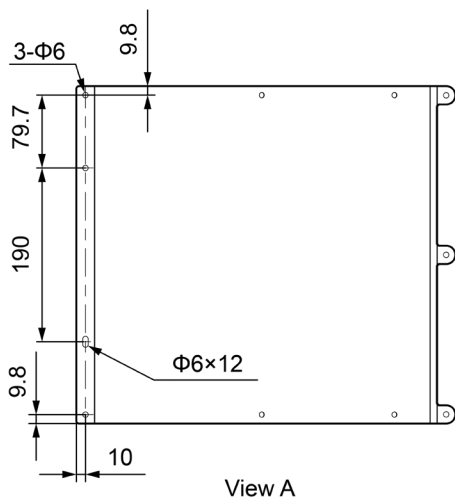
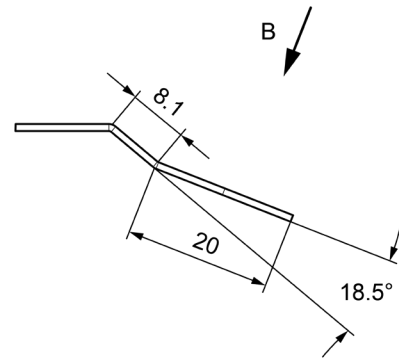
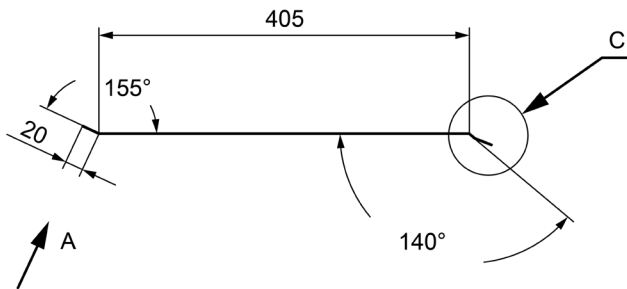
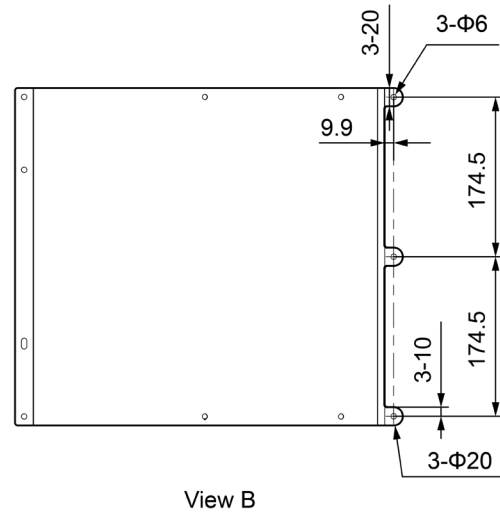
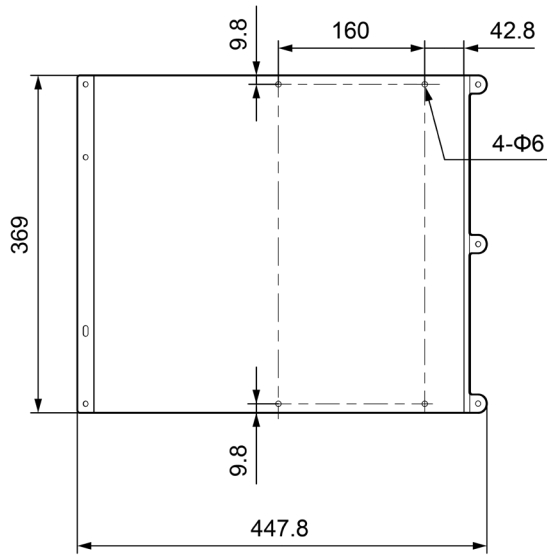
**Top Left Side Plate**

Unit :mm



**Front Plate 1**

Unit :mm

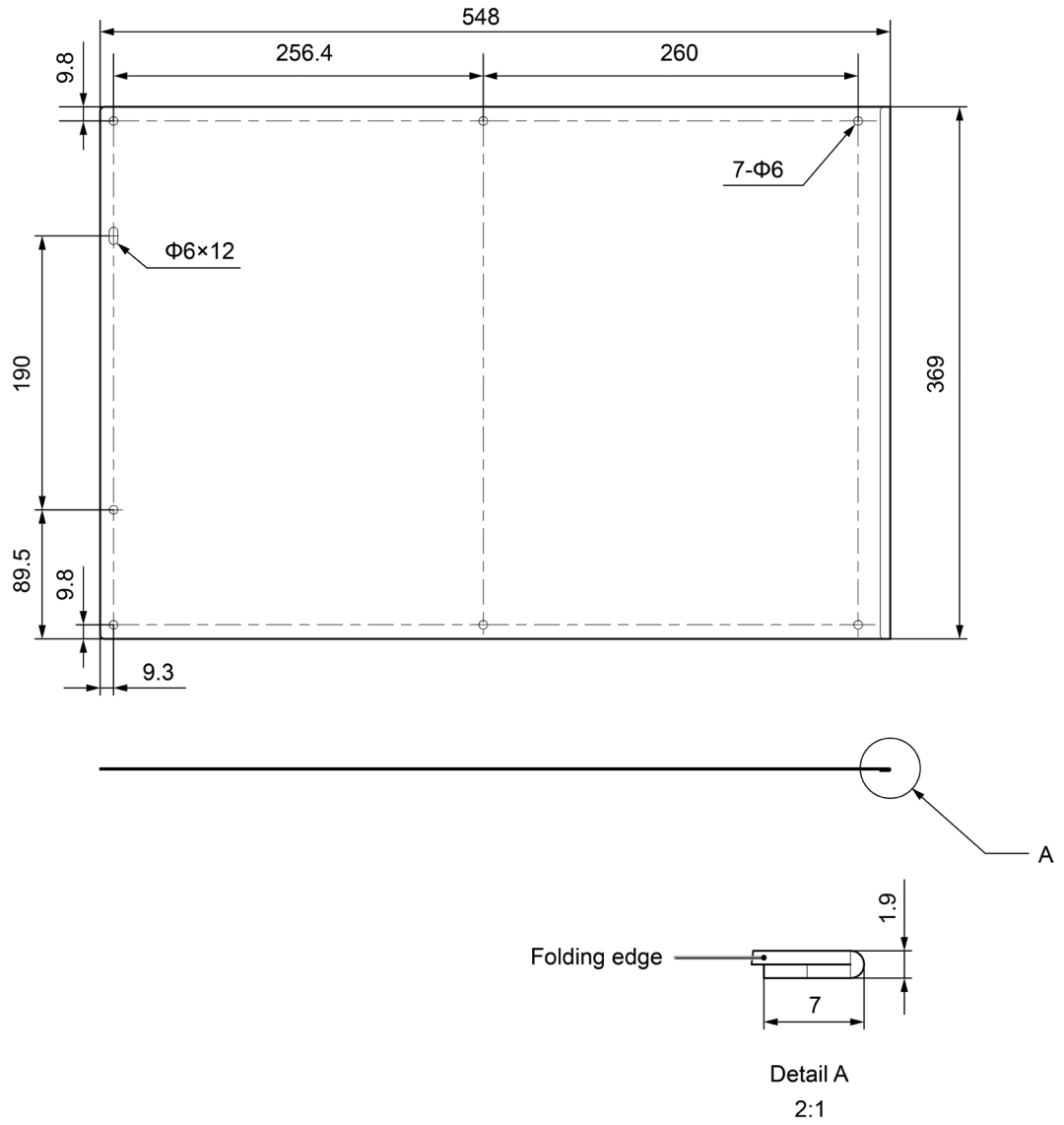


Detail C  
1:1

Front Plate 2

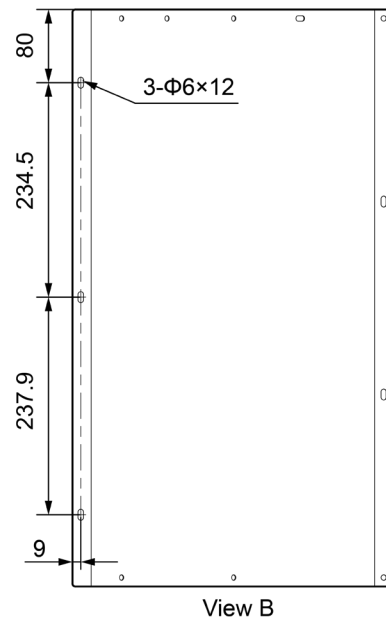
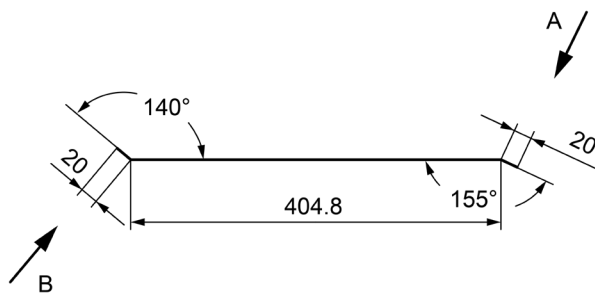
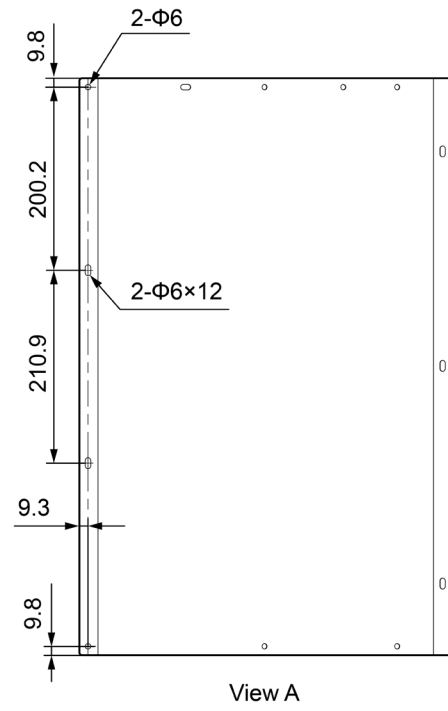
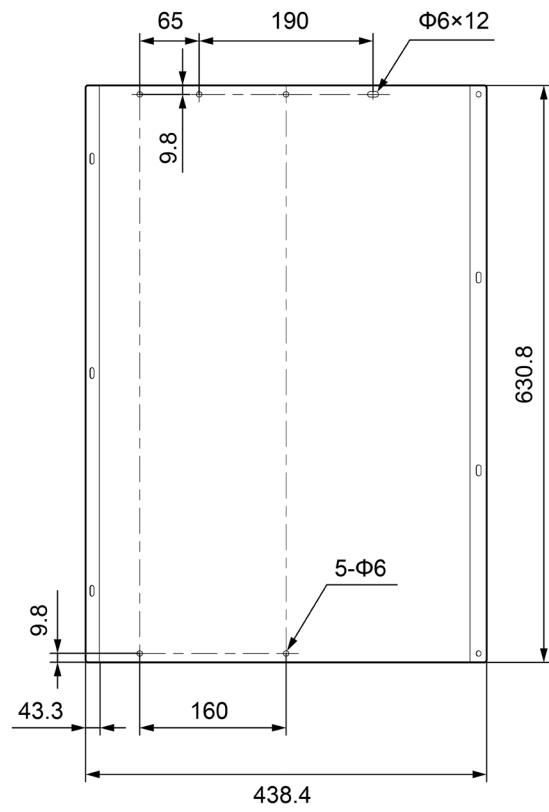
Unit :mm





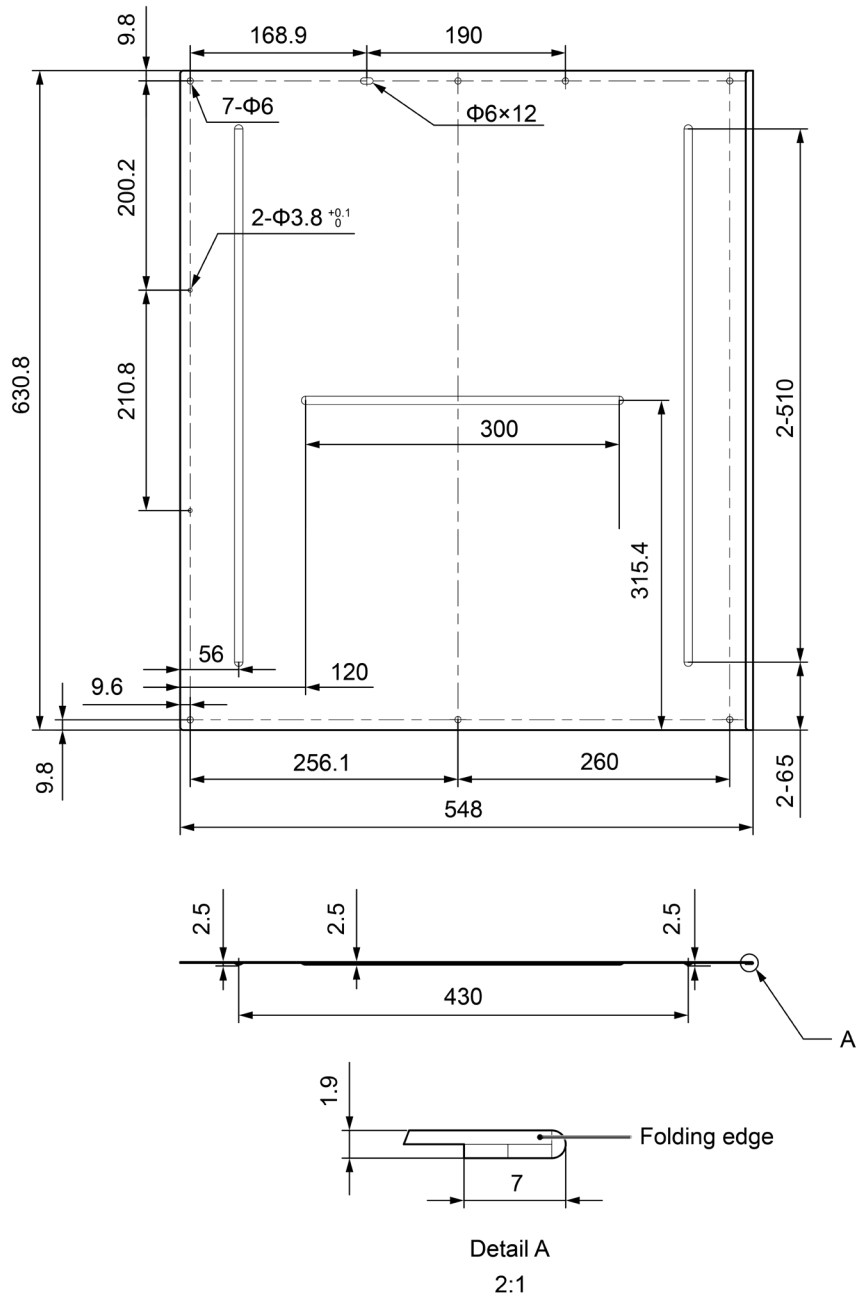
Left Plate 1

Unit :mm



Left Plate 2

Unit :mm





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