

B5

ACCESSORIES ASSEMBLY

KYT-070
11/2021

 Update Notes

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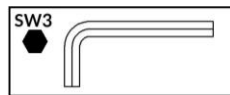
Tools Symbol Guide



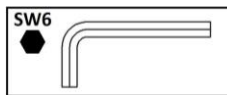
Cross



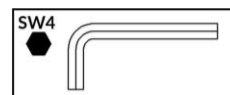
Slot



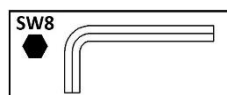
M4 Allen Key



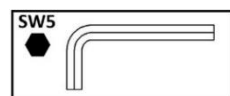
M8 Allen Key



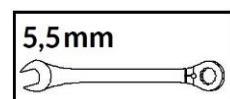
M5 Allen Key



M10 Allen Key



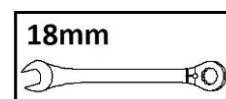
M6 Allen Key



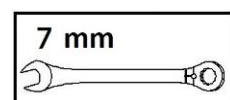
M3 Spanner



M6 Spanner



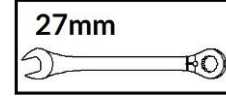
M12 Spanner



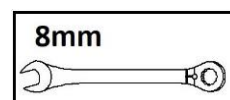
M4 Spanner



M8 Spanner



M18 Spanner



M5 Spanner



M10 Spanner

Caution: For safety precaution ; Protective gloves and equipments must be used while assembly.

As additional tools for assembly;

- Torque wrench features:
 - ✓ Tightening torque : 75 N.m
 - ✓ It has a reduced thickness, can be easily used to access non accessible joints/fishplates and between busbars.
- Torque wrench an accessories:
 - ✓ Wrench shaft - mandatory
 - ✓ Extra-thin pawl adapter - mandatory
 - ✓ Pawl for ordinary sockets
- Extra-thin sockets for pawl + shaft:
 - ✓ 13 mm extra-thin low socket
 - ✓ 13 mm extra-thin high socket
 - ✓ 15 mm extra-thin low socket
 - ✓ 15 mm extra-thin high socket
 - ✓ 18 mm extra-thin low socket
 - ✓ 18 mm extra-thin high socket

■ Torque Table for Screw/Bolt

Recommended tightening torque for mechanical and electrical links 8.8-class screws (with nut + washers)	
Diameter of Screw	Tightening Torque (N.m)
M3	1.5
M4	3.5
M5	7
M6	13
M8	28
M10	50
M12	75

Tightening torque for electrical links on the devices and for their fixing:

Marking varnish:

After tightening each electrical connection to the appropriate torque, apply some varnish:

- ✓ Between the nut and the screw or
- ✓ Between the screw head and the copper bar or
- ✓ Between the device for tightening on a threaded part

Varnish should not block the screw:

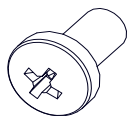
- ✓ It allows operator inspection, to verify if the bolts/ nut are tightened or not.
- ✓ It facilitates the identification of any loose nuts during the switchboard's lifetime.

Varnish features:

- ✓ Coloured acrylic varnish, indelible and able to resist a 150° C temperature.
- ✓ PDS recommends a red varnish as a standard to identify the panelbuilder's work.
- ✓ Other colours can be used by the contractor or any operators entitled to work on the switchboard after its commissioning.

■ Screw/Bolt/Special Parts for Assembly

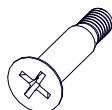
Philips Pan
Head Screw



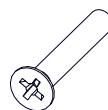
M6x23 Philips Flat
Head Screw (Teos)



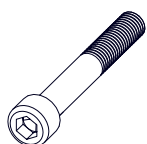
M5x20 Philips Flat
Head Screw (Teos)



Philips Flat Head
Screw



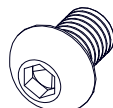
Hexagon Socket Head
Bolt (Half Thread)



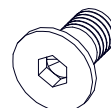
Hexagon Socket
Head Bolt



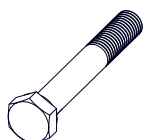
Hexagon Socket
Button Head Bolt



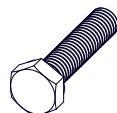
Hexagon Socket
Flat Head Bolt



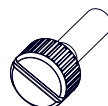
Hexagon Head Bolt
(Half Tread)



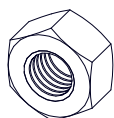
Hexagon Head
Bolt



Internal Door
Knob Bolt



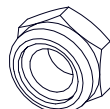
Regular Nut



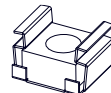
Flange Nut



Previling Torque
Nut



Cage Nut



Plastic Cage
Nut



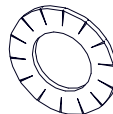
Flat Washer



Spring Lock
Washer



Toothed Lock
Washer



Wedge Lock
Washer



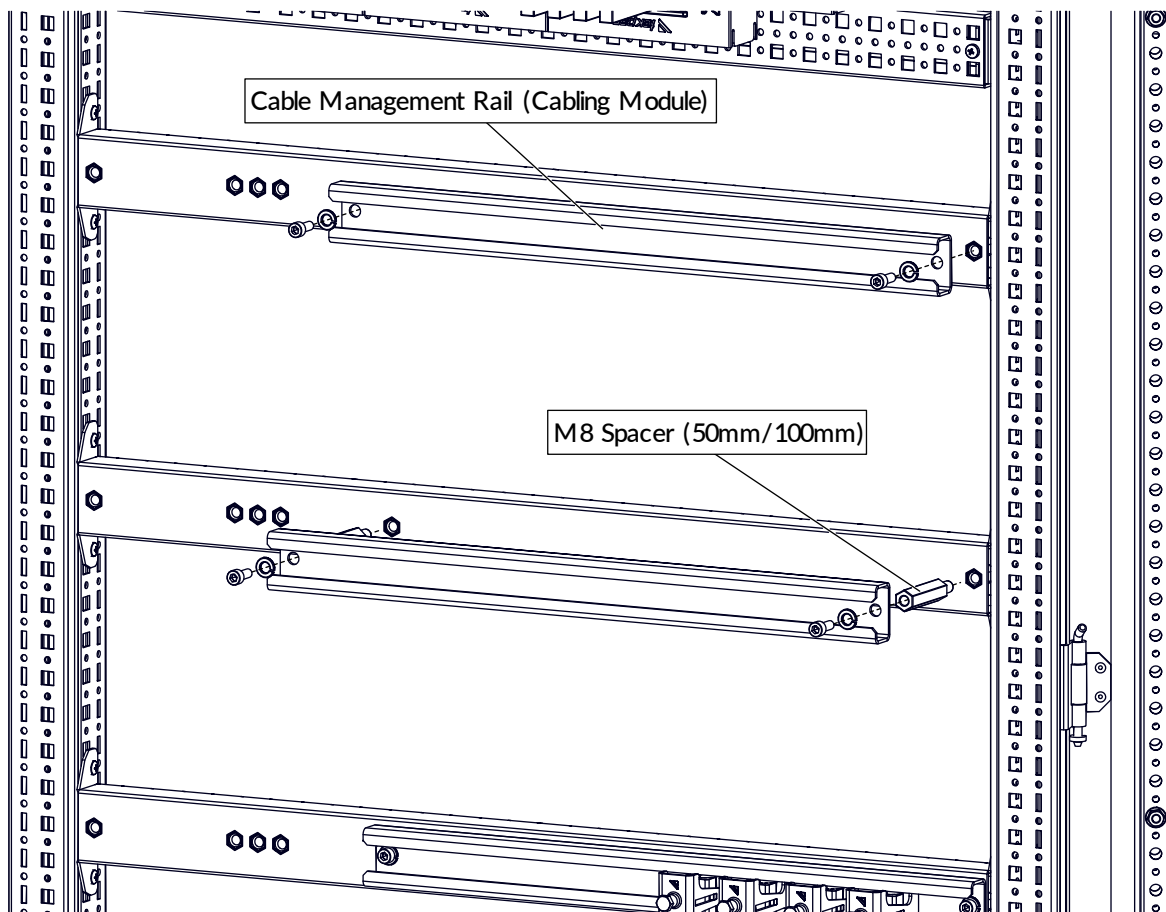
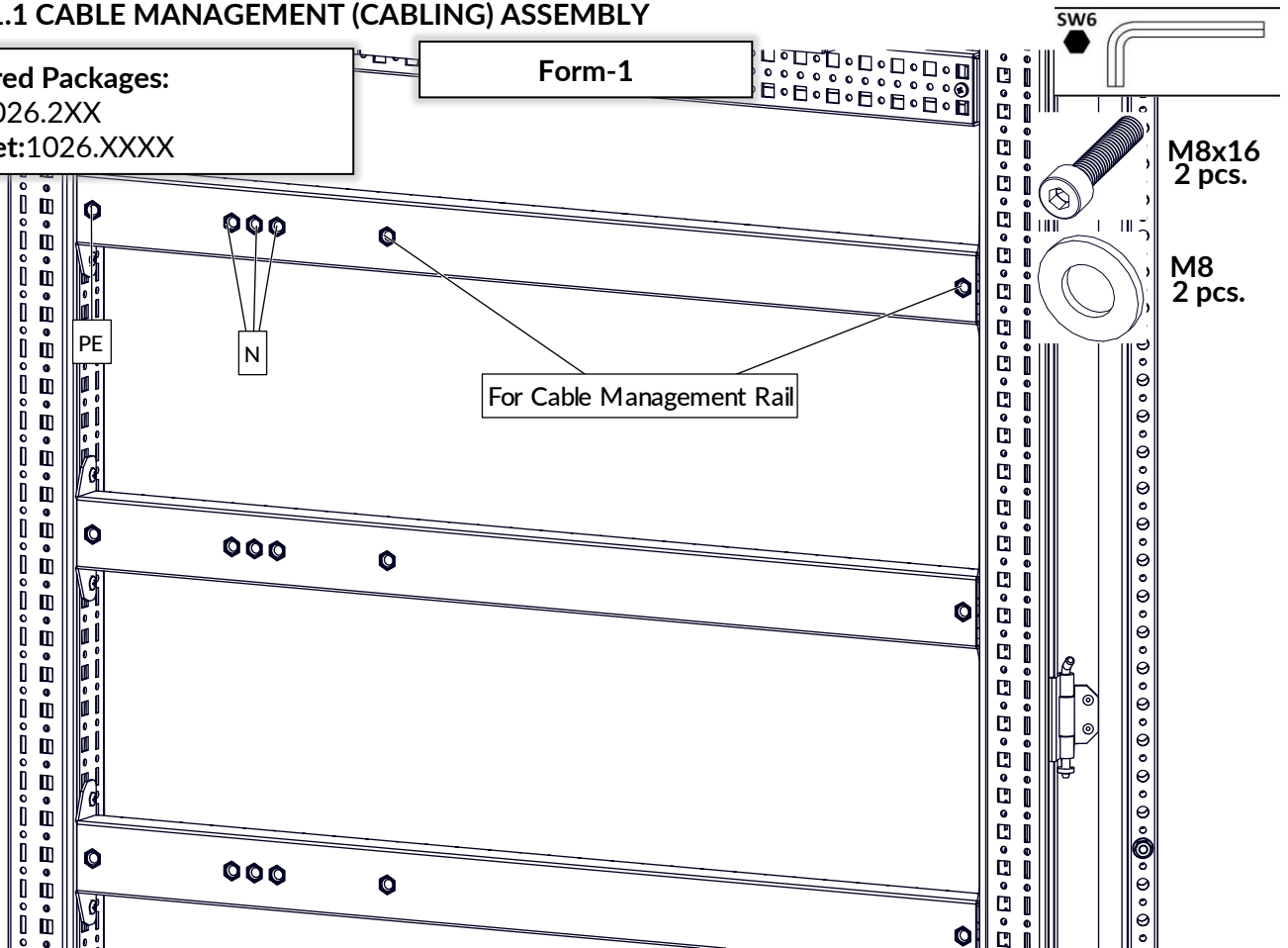
1. CABLE MANAGEMENT**1.1 CABLE MANAGEMENT (CABLING) ASSEMBLY**

Required Packages:

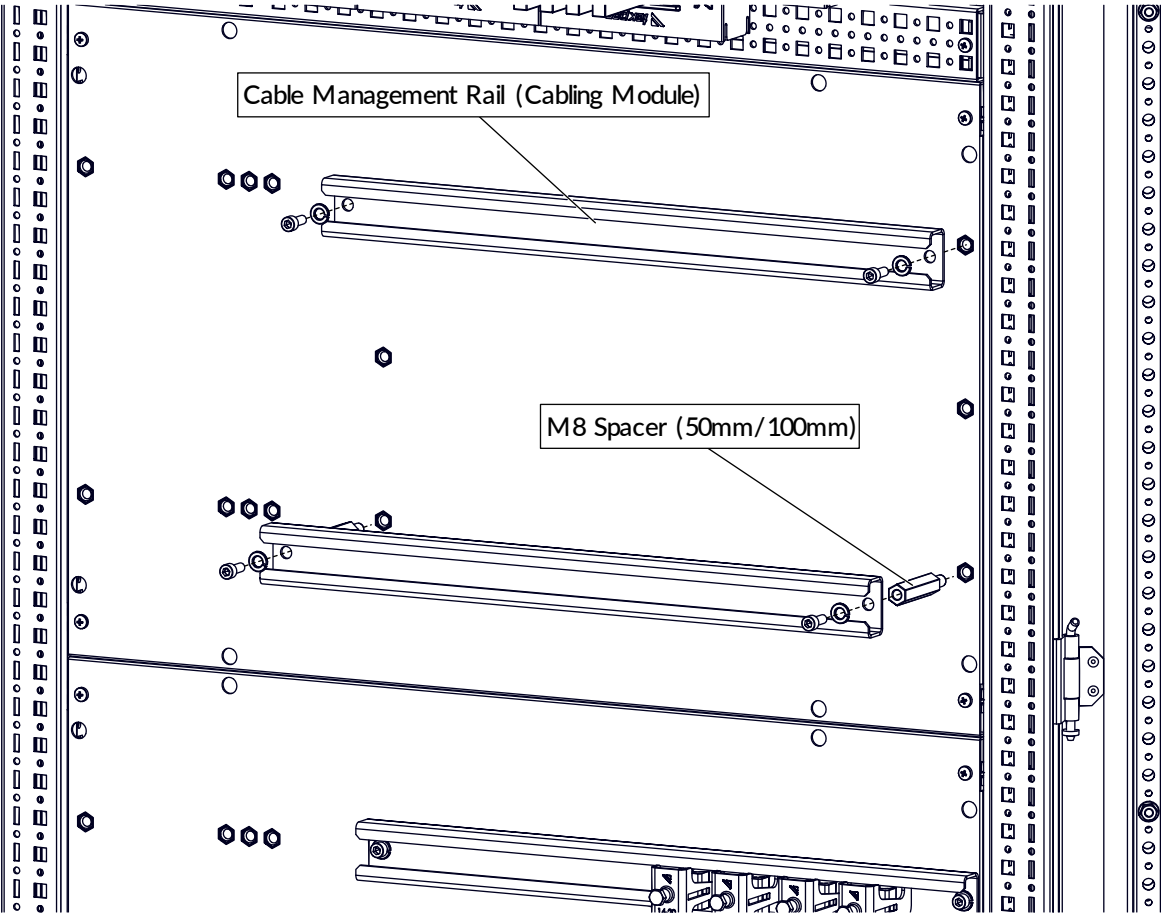
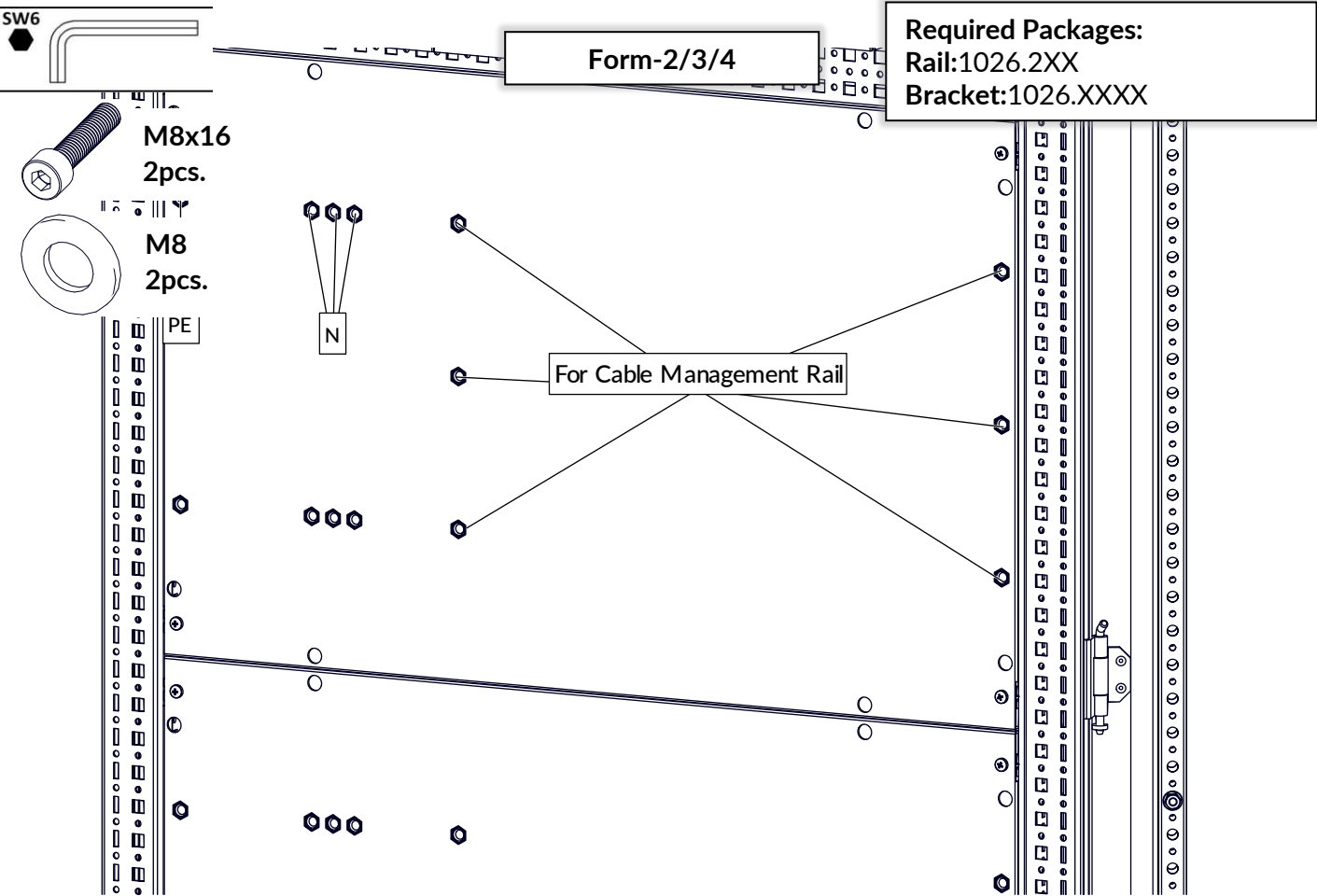
Rail:1026.2XX

Bracket:1026.XXXX

Form-1



1.1 CABLE MANAGEMENT (CABLING) ASSEMBLY

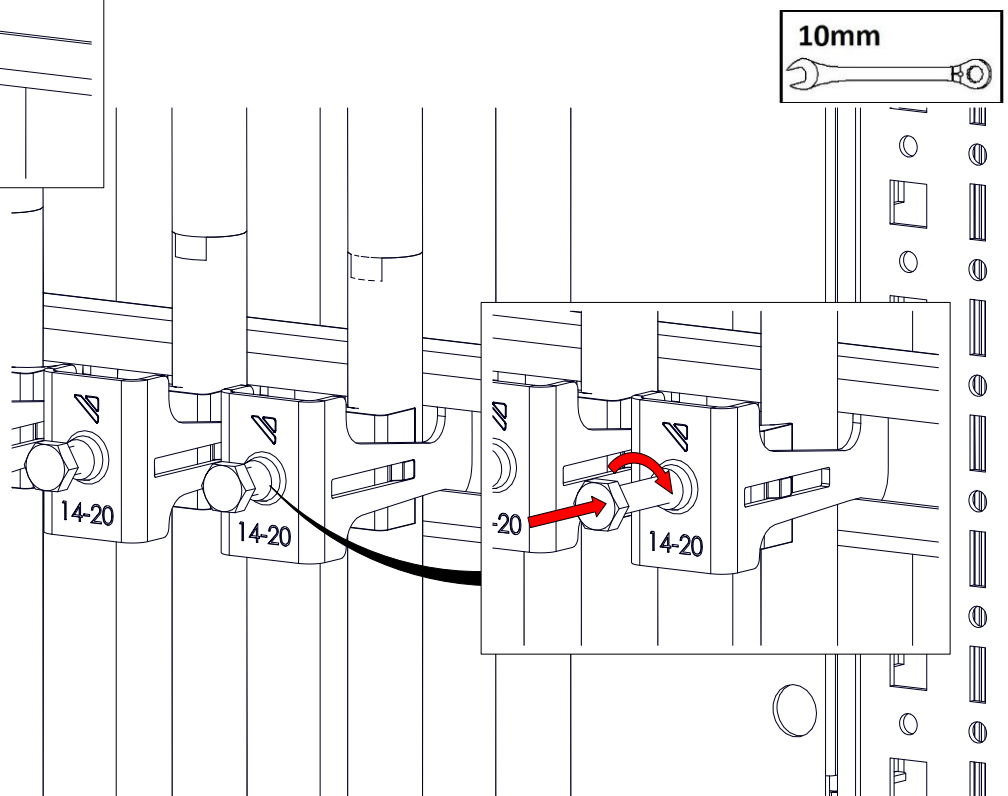
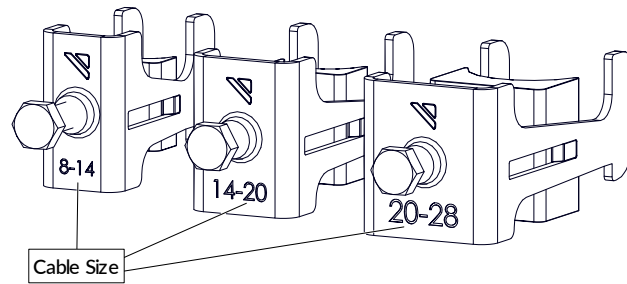
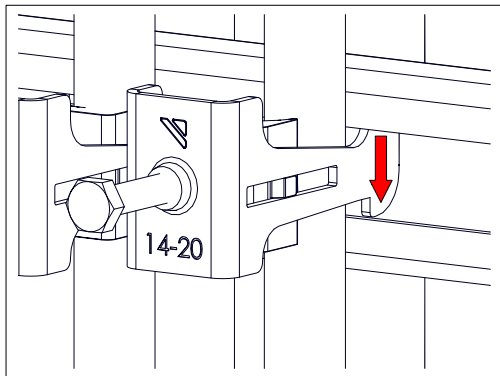
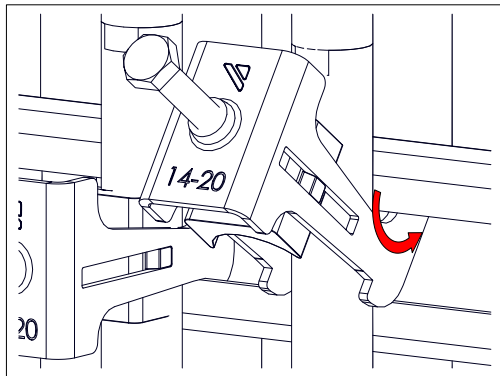
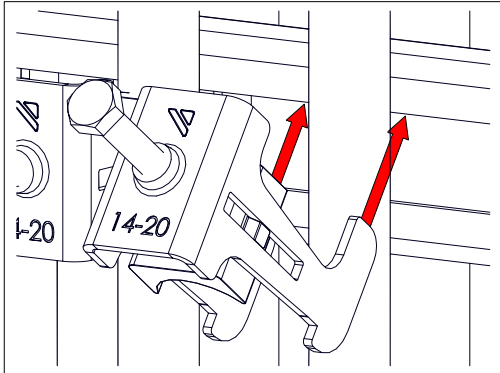


1.1 CABLE MANAGEMENT (CABLING) ASSEMBLY

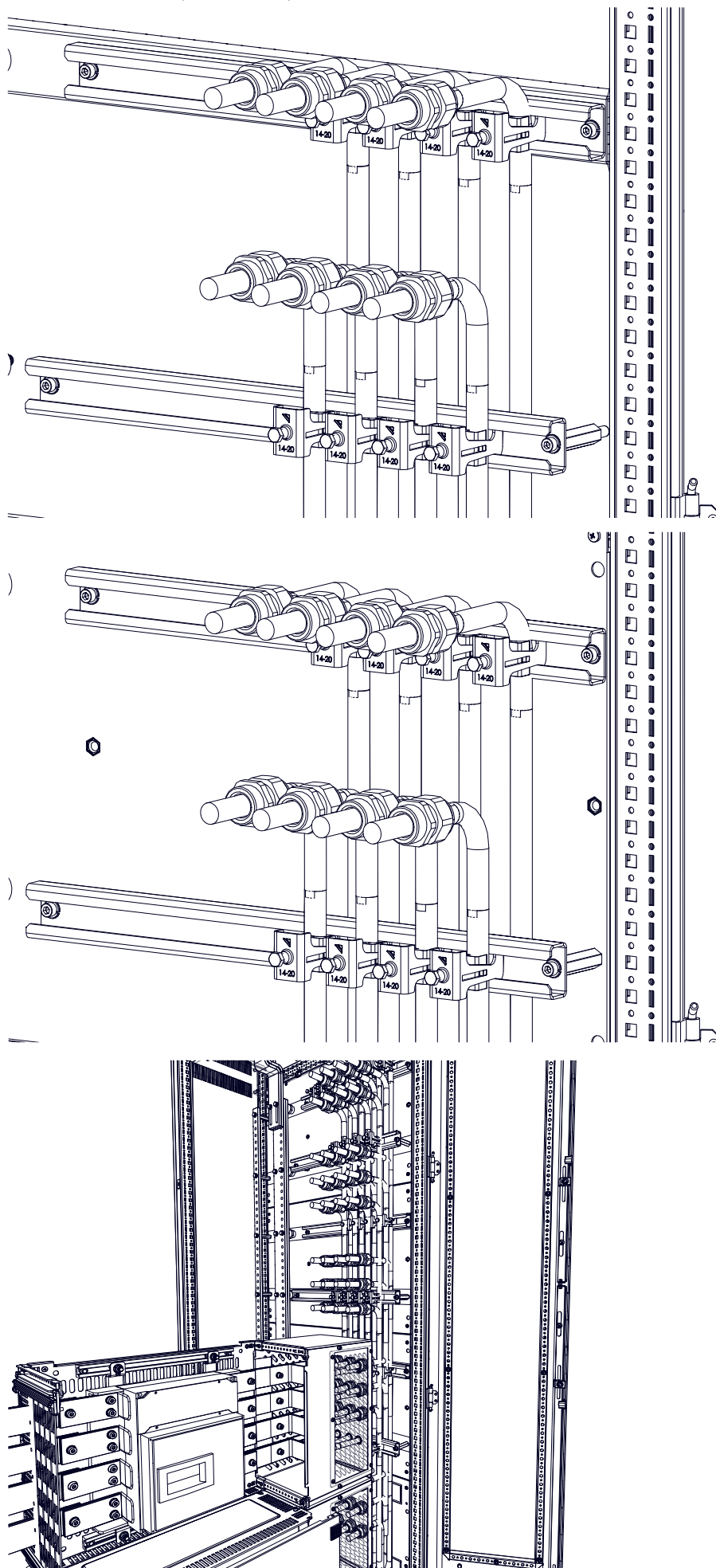
Required Packages:

Rail:1026.2XX

Bracket:1026.XXXX



■ 1.1 CABLE MANAGEMENT (CABLING) ASSEMBLY



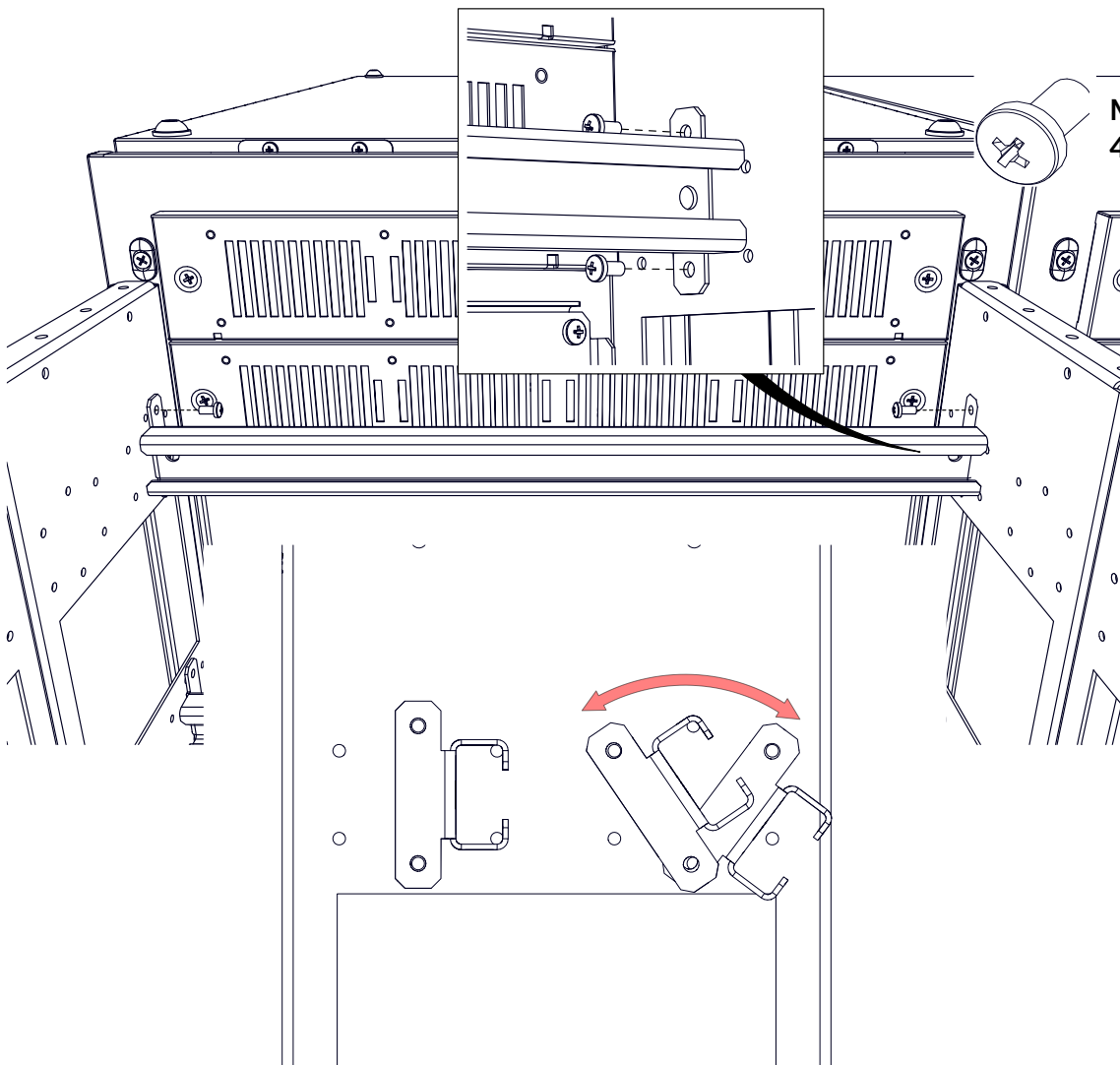
■ 1.2 CABLE MANAGEMENT (REAR CABLING) ASSEMBLY

Required Packages:
Rail:1026.1XX
Bracket:1026.XXXX

Cable Management Rail (Rear Cabling)

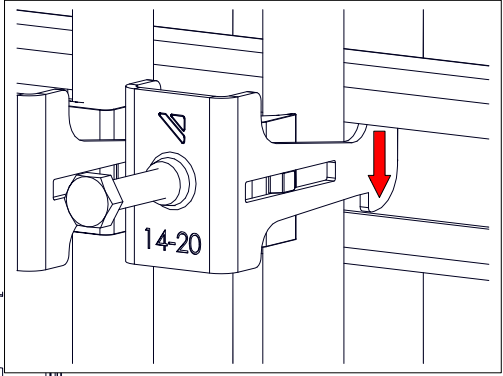
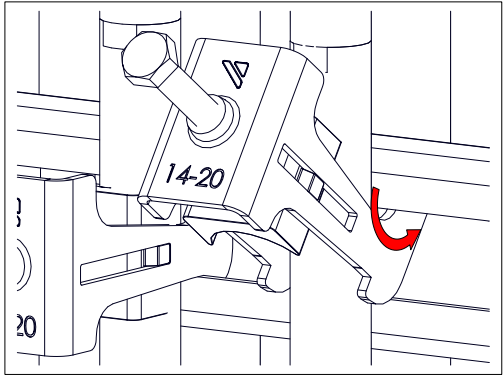
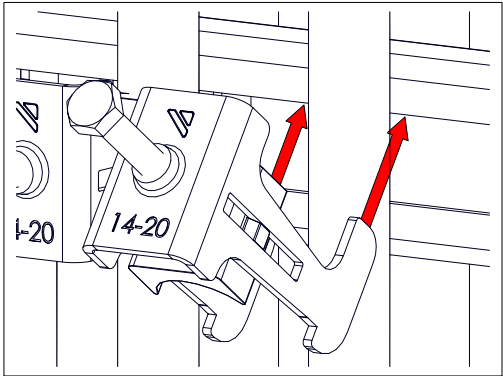
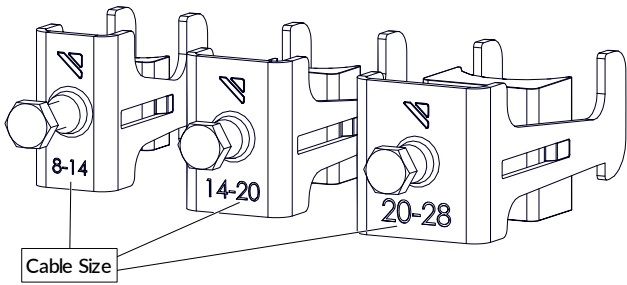


M5X10
4 pcs.

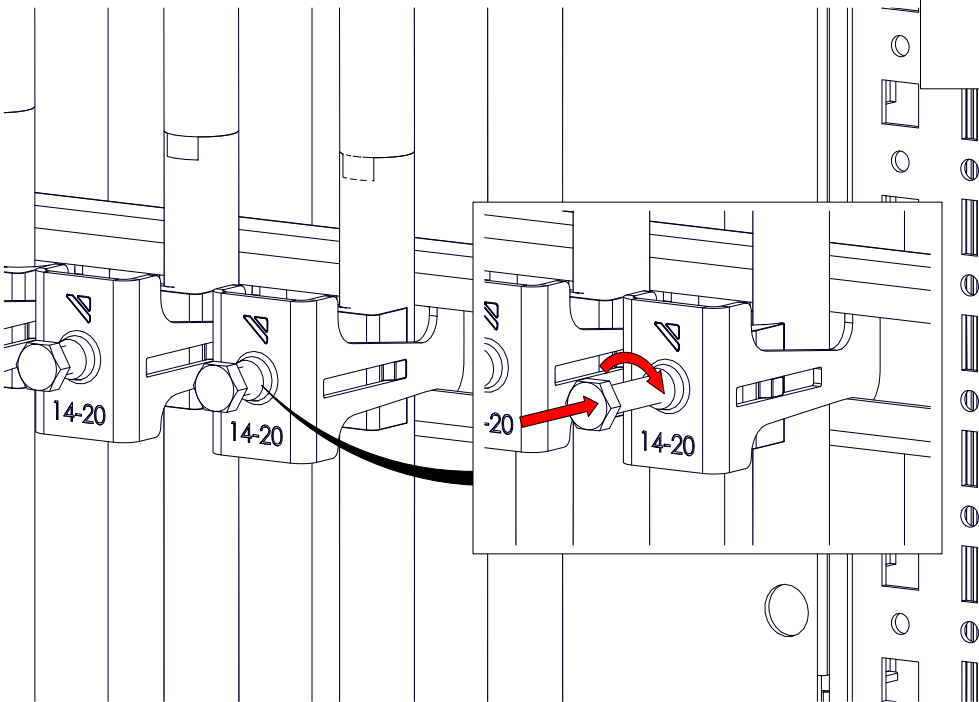


1.2 CABLE MANAGEMENT (REAR CABLING) ASSEMBLY

Required Packages:
Rail:1026.1XX
Bracket:1026.XXXX

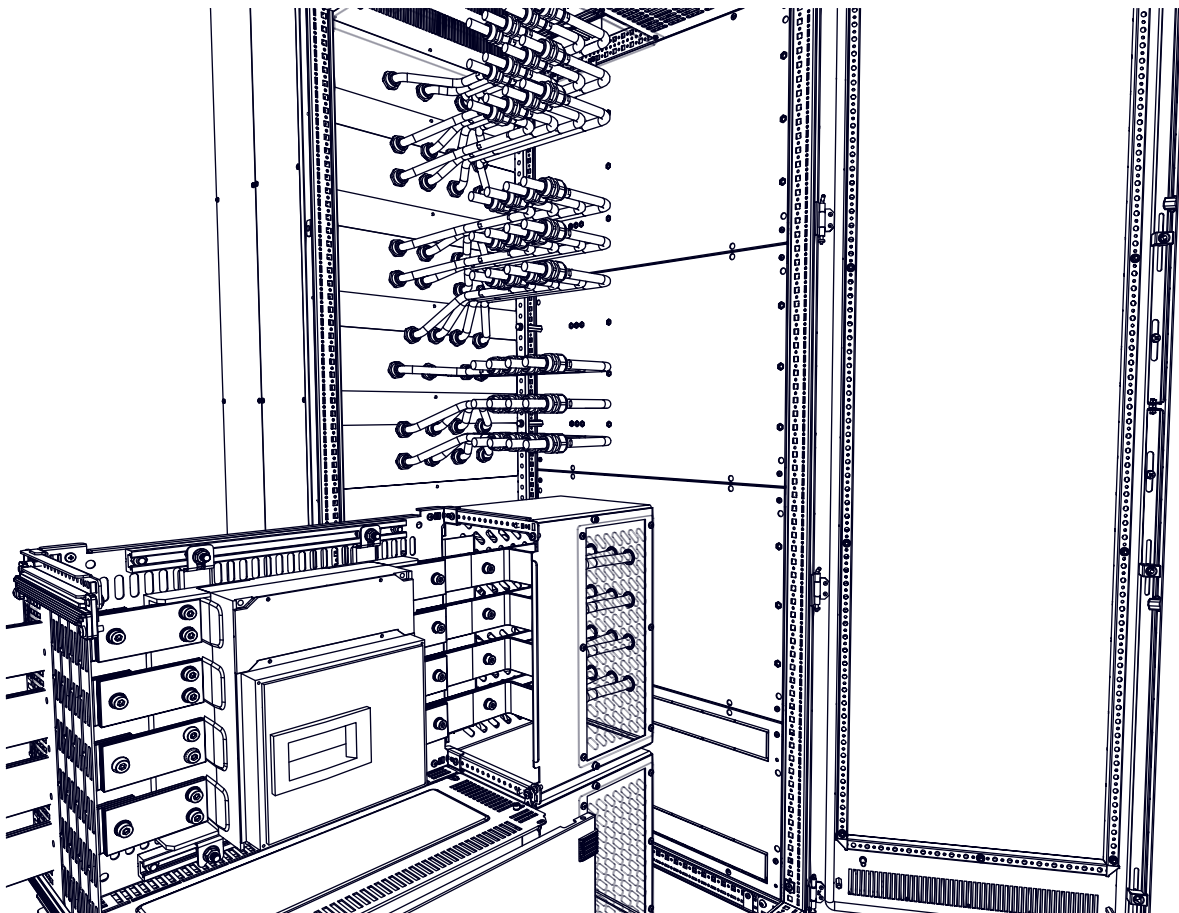
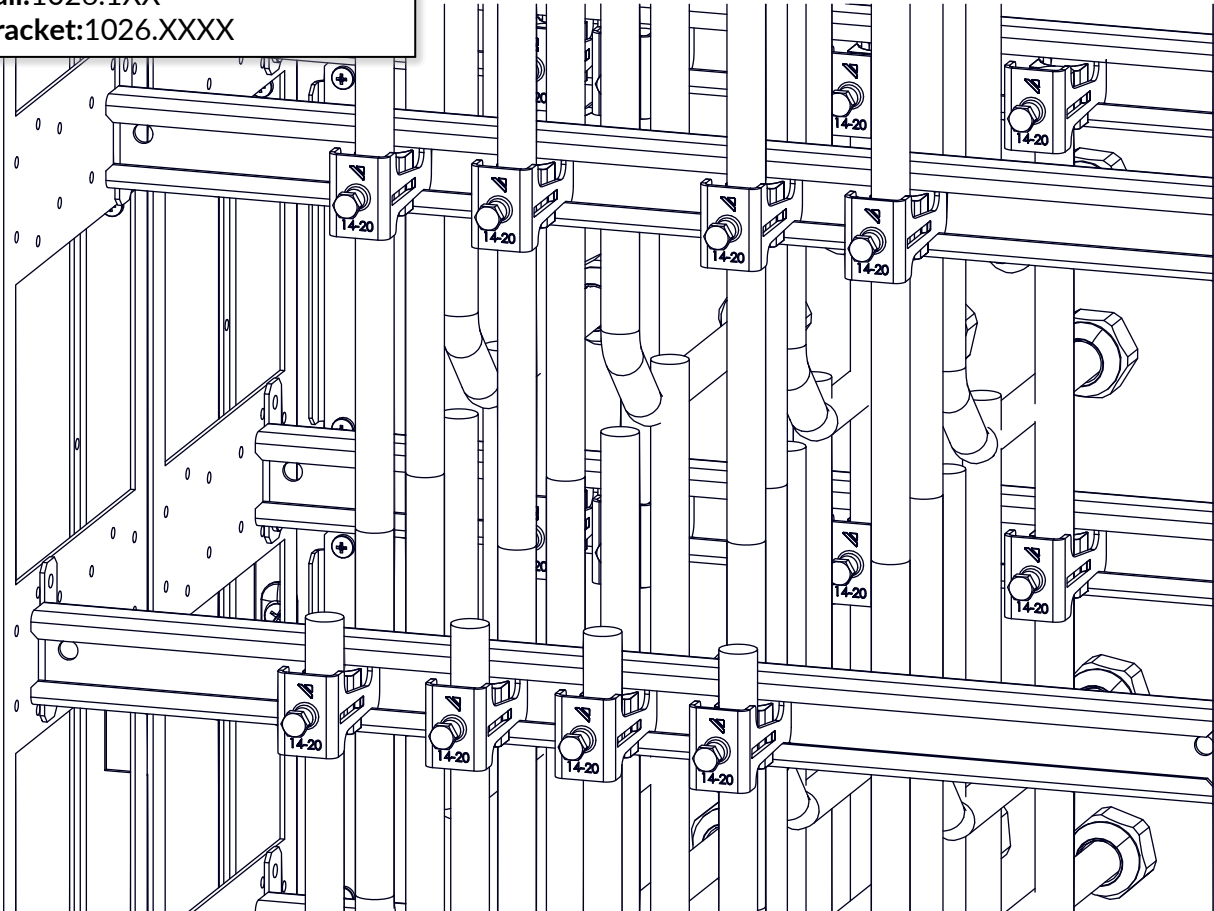


10mm



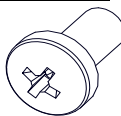
1.2 CABLE MANAGEMENT (REAR CABLING) ASSEMBLY

Required Packages:
Rail:1026.1XX
Bracket:1026.XXXX



2. TERMINAL RAILS

2.1 TERMINAL RAIL KIT ASSEMBLY



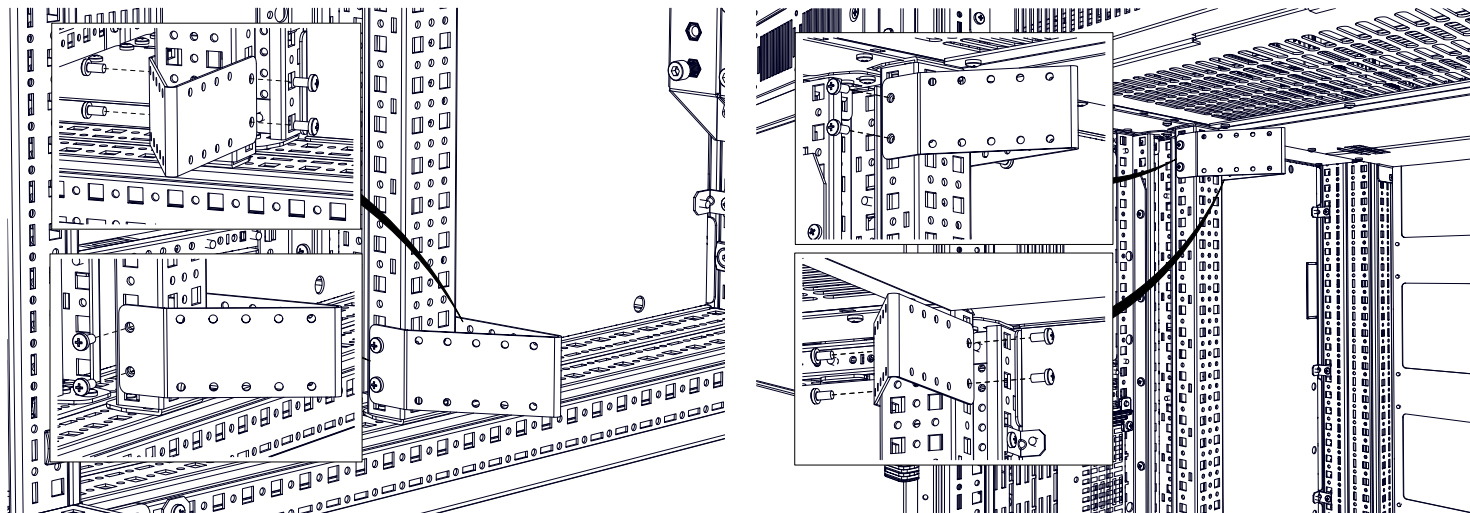
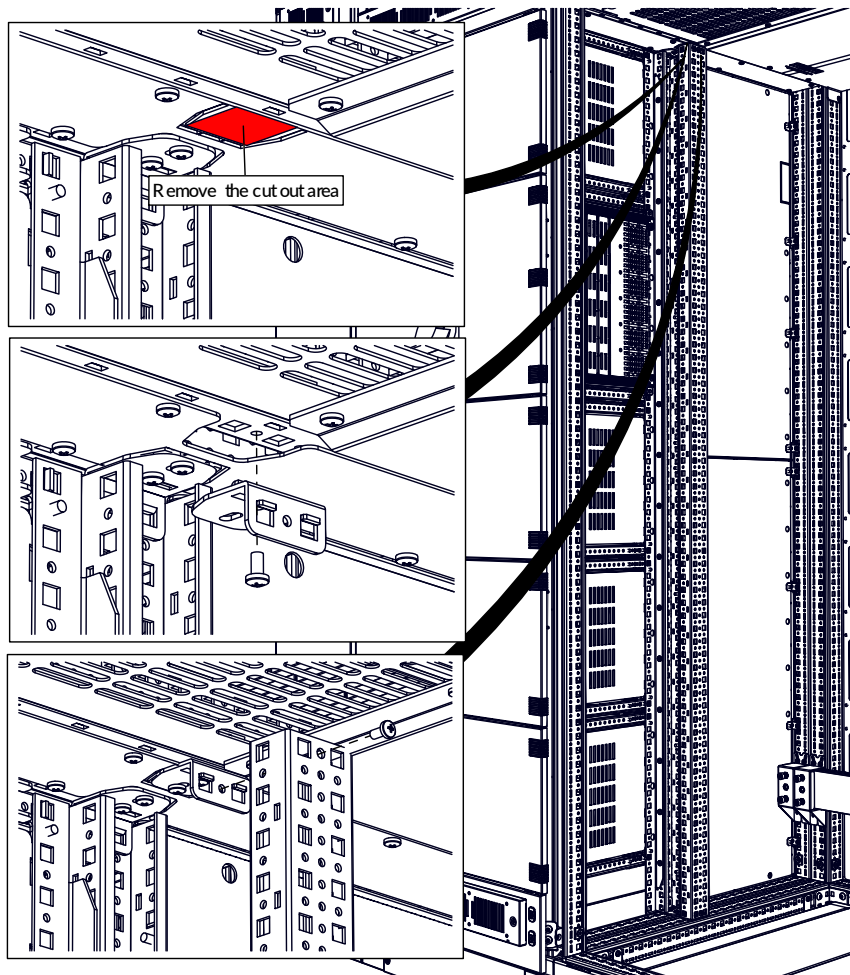
M5X10

6 pcs.

Required Packages:

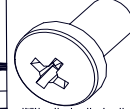
1026.400

300mm

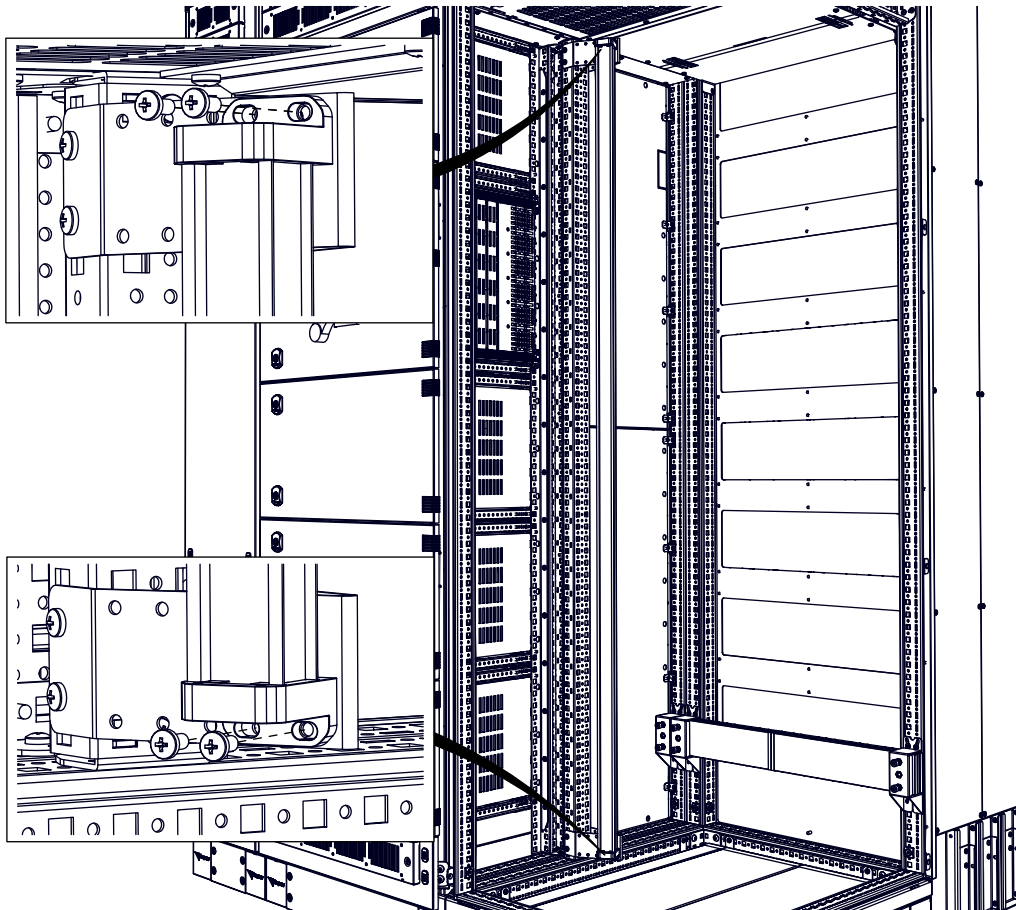
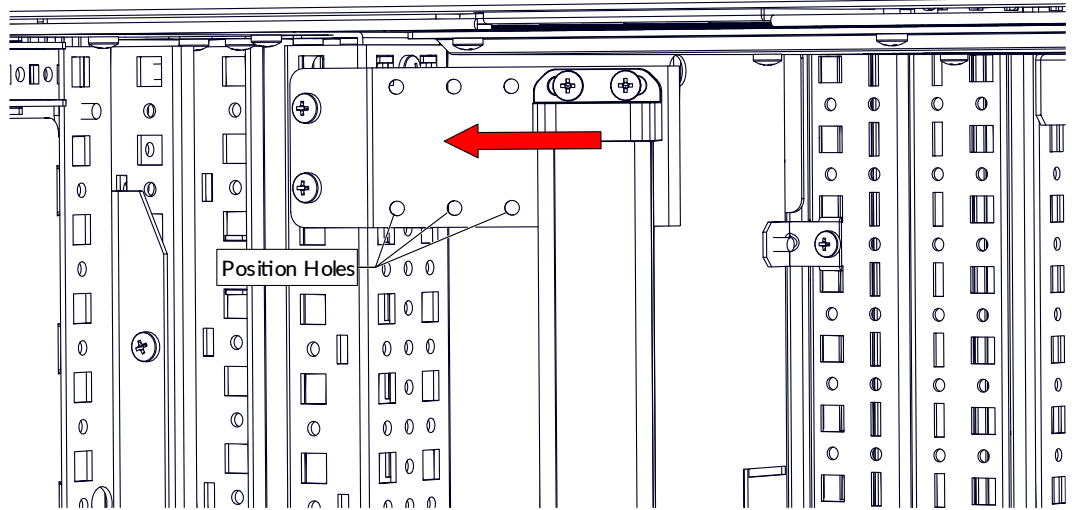
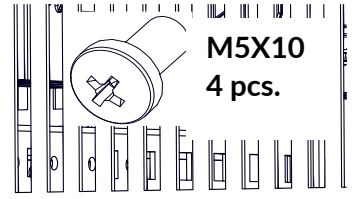
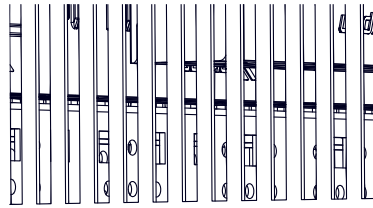
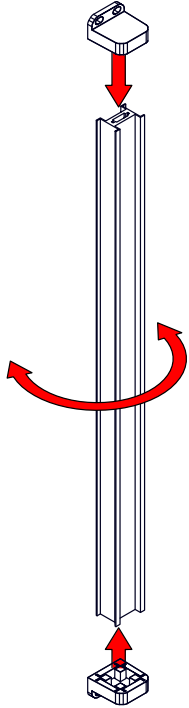


2.1 TERMINAL RAIL KIT ASSEMBLY

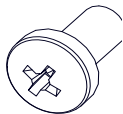
Required Packages:
1026.400



M5X10
4 pcs.



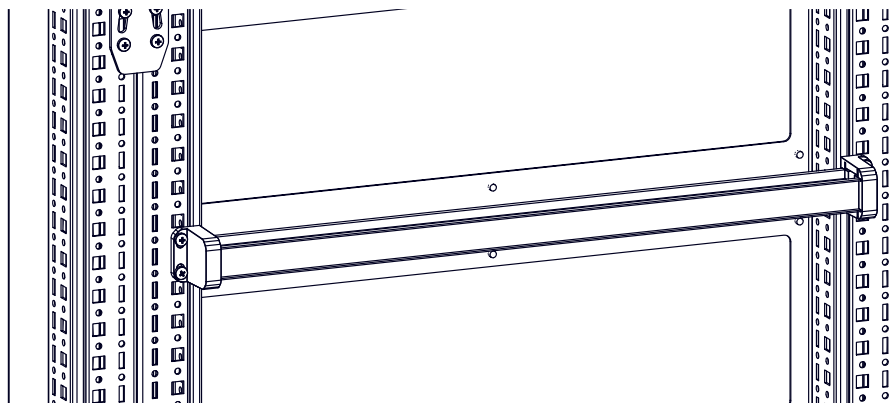
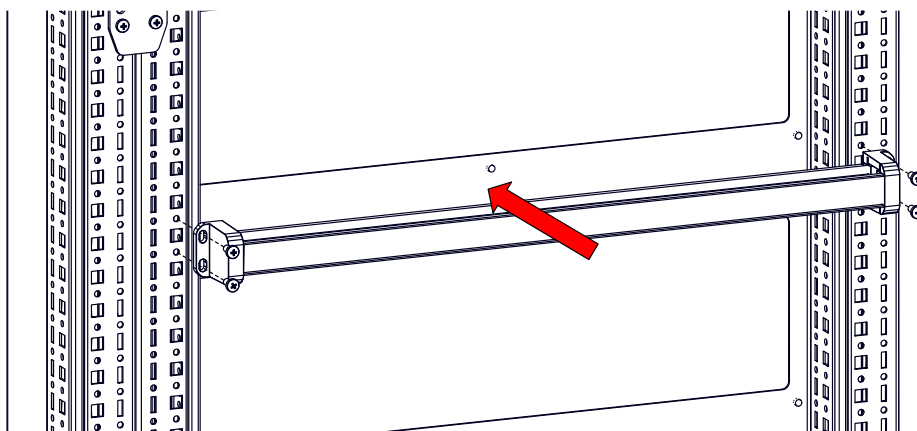
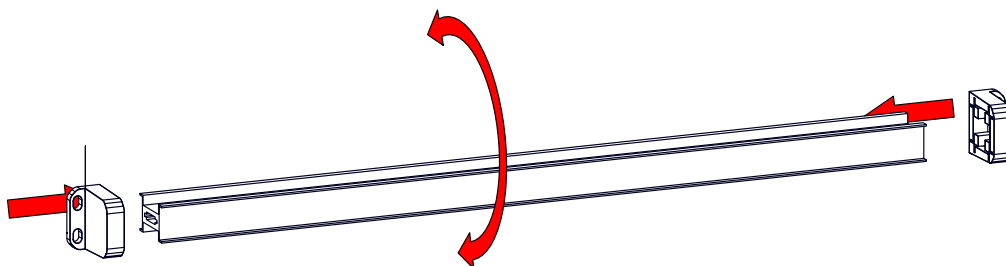
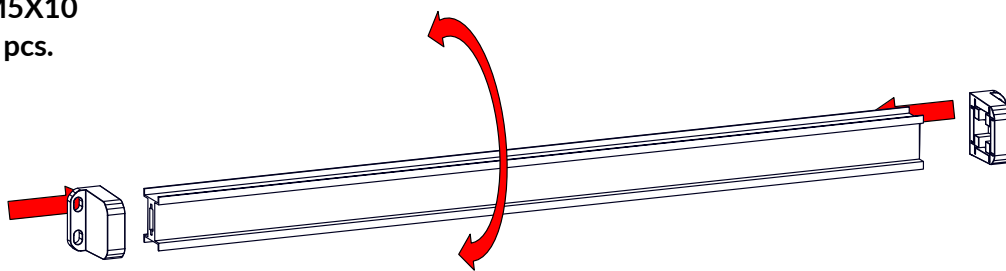
2.2 ALUMINIUM DIN RAIL ASSEMBLY



M5X10
4 pcs.

Type-1

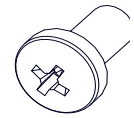
Required Packages:
1026.500



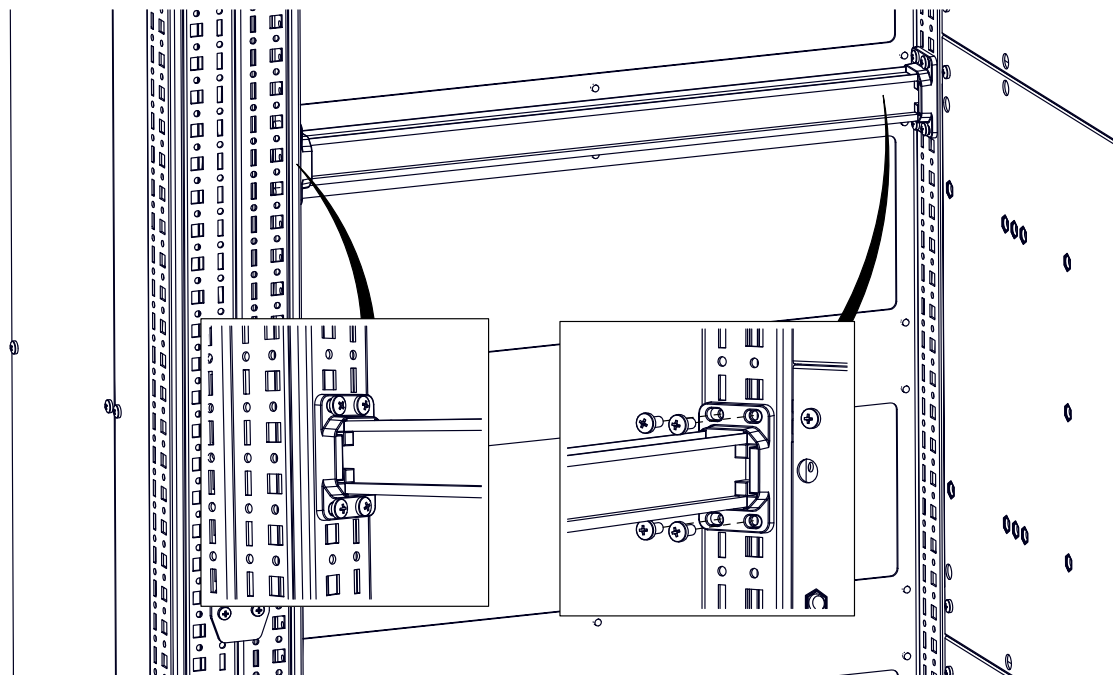
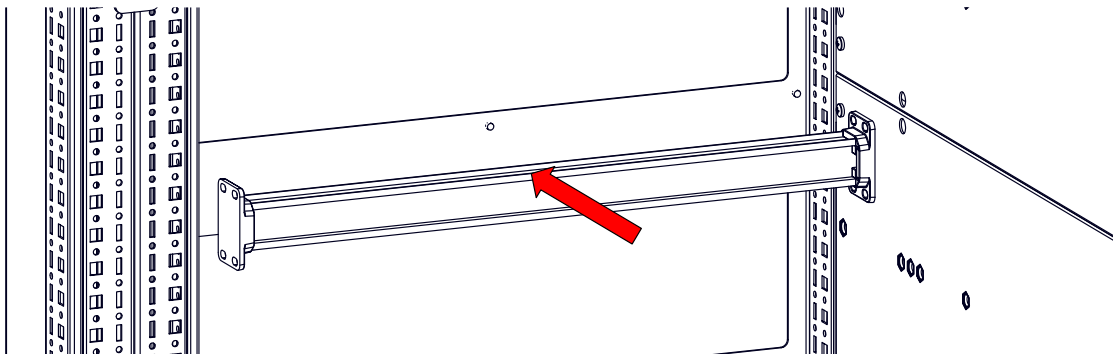
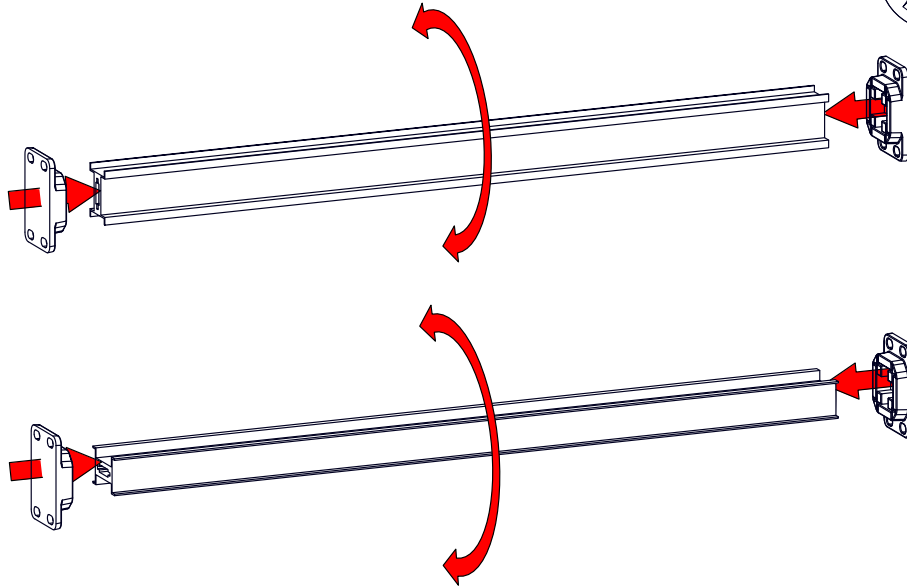
■ 2.2 ALUMINIUM DIN RAIL ASSEMBLY

Required Packages:
1026.600

Type-2



M5X10
8 pcs.



3. VENTILATION**3.1 REAR CABIN VENTILATION ASSEMBLY****Required Packages:**

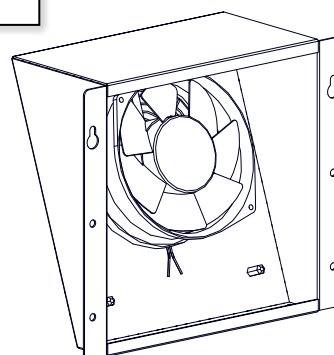
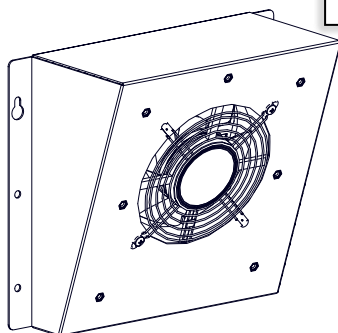
400W: 1067.400

600W: 1067.600

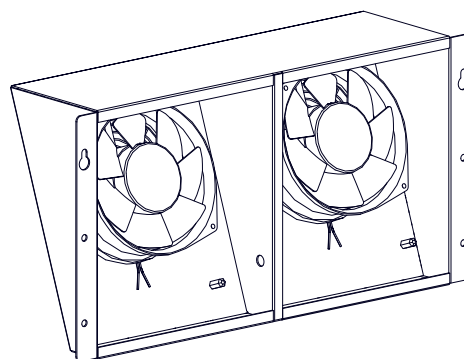
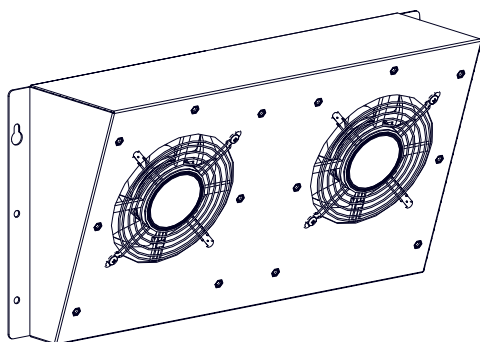
800W: 1067.800

IP20

400



600-800

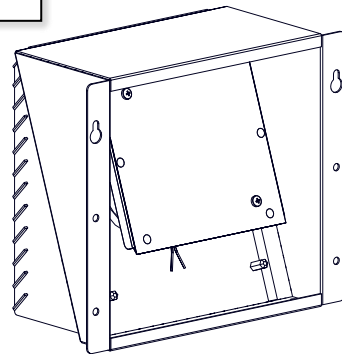
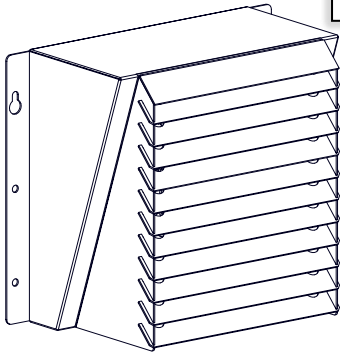


■ 3.1 REAR CABIN VENTILATION ASSEMBLY

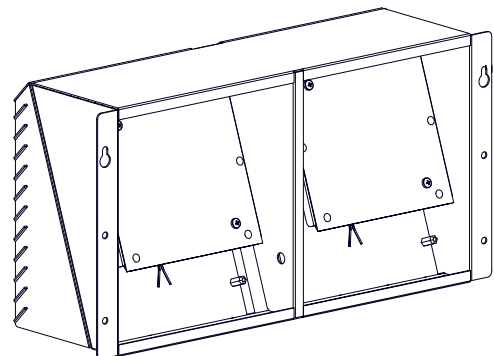
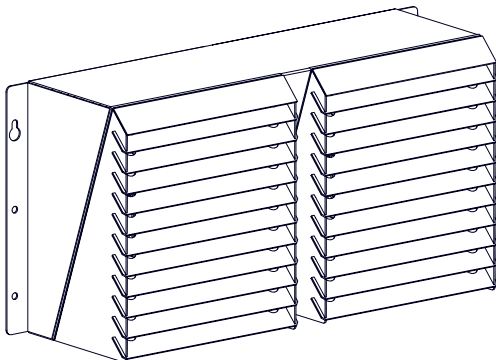
Required Packages:**400W:** 1067.400**600W:** 1067.600**800W:** 1067.800**IP53 Kit:**1067.100

IP53

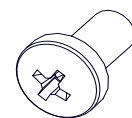
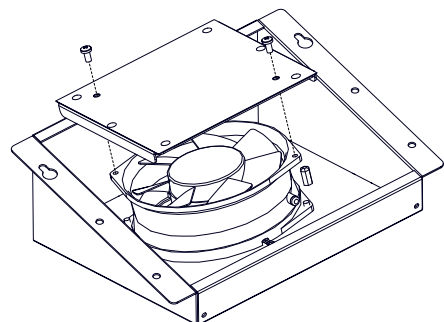
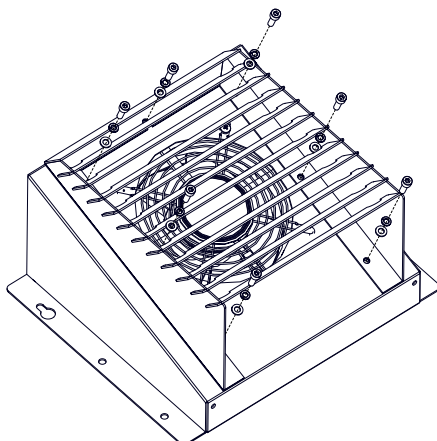
400



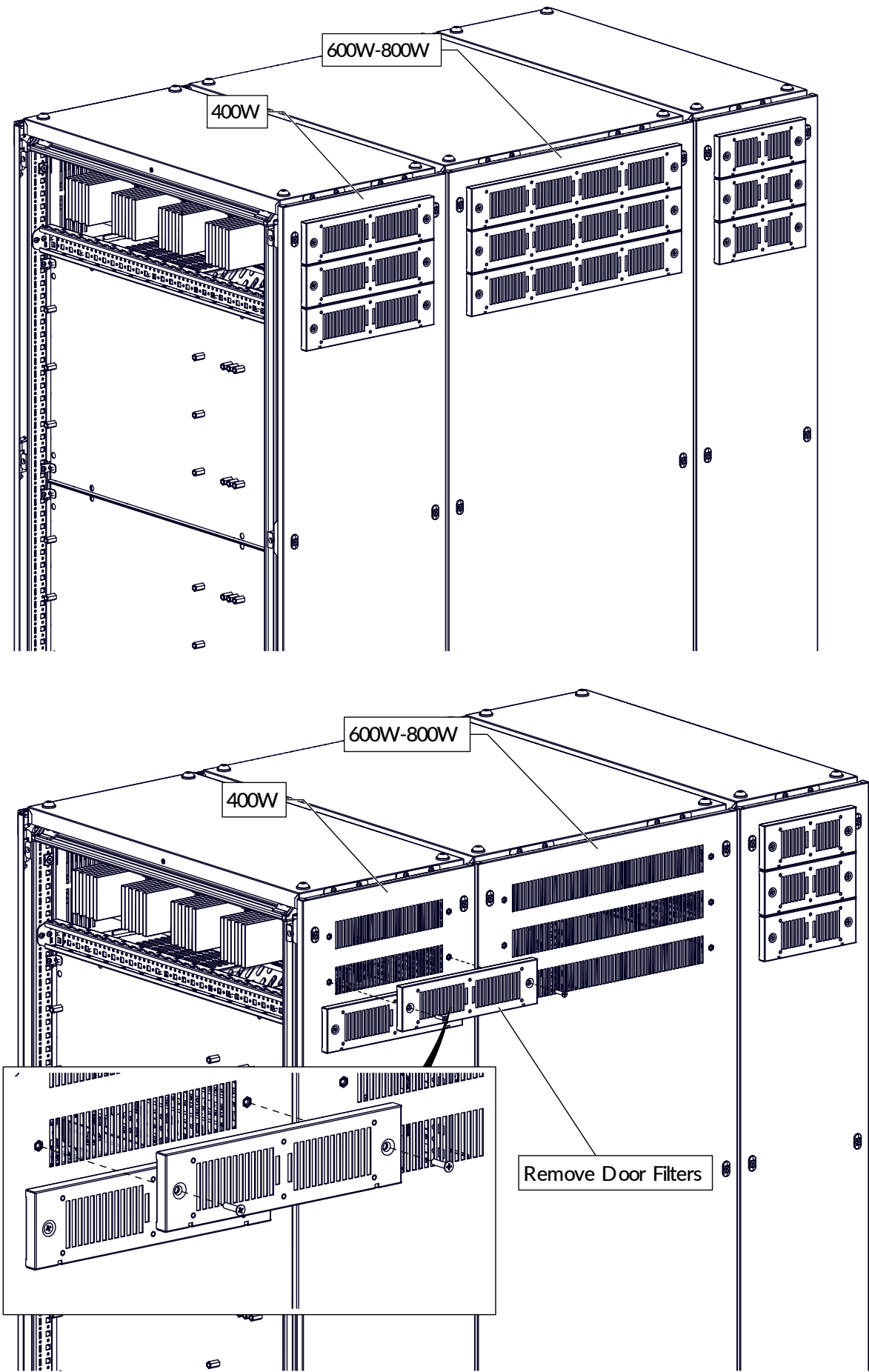
600-800



IP53 Kit Assembly

**M5X10**
2 pcs.

3.1 REAR CABIN VENTILATION ASSEMBLY



3.1 REAR CABIN VENTILATION ASSEMBLY

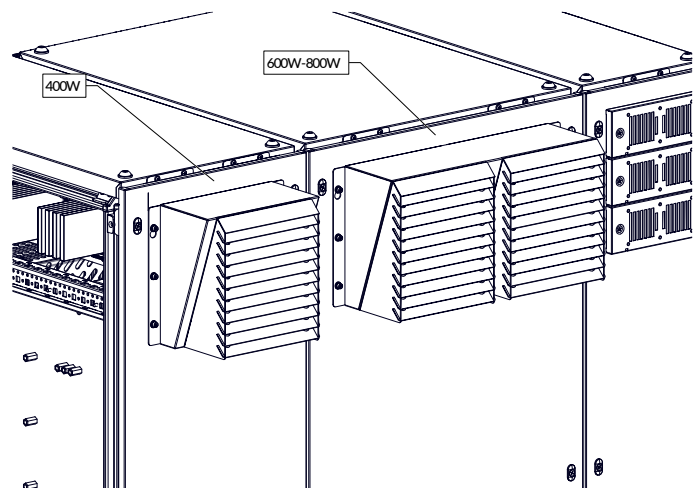
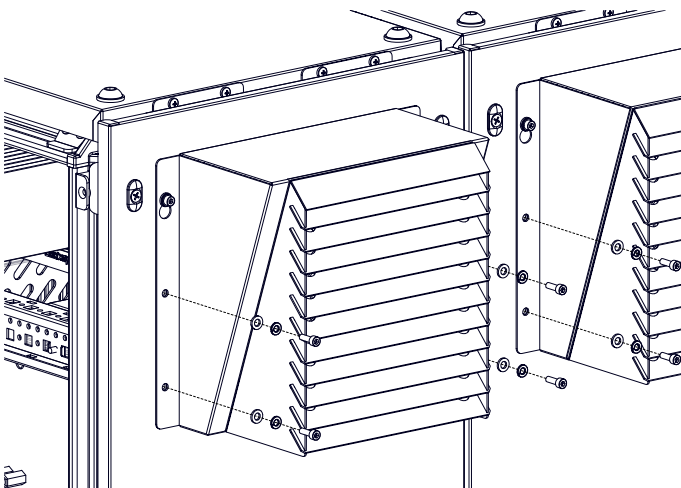
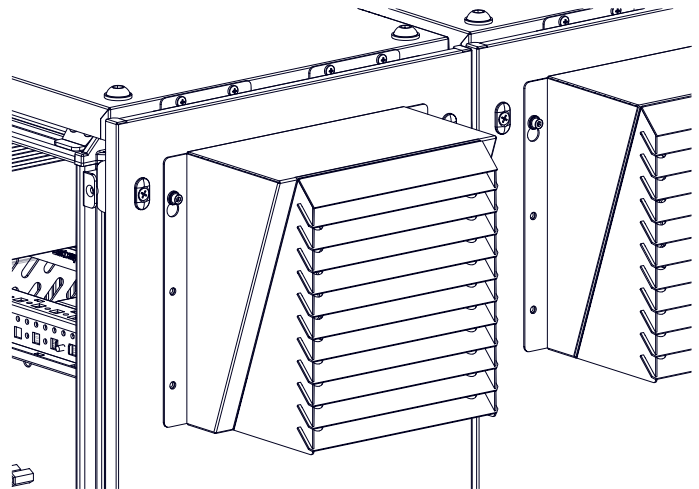
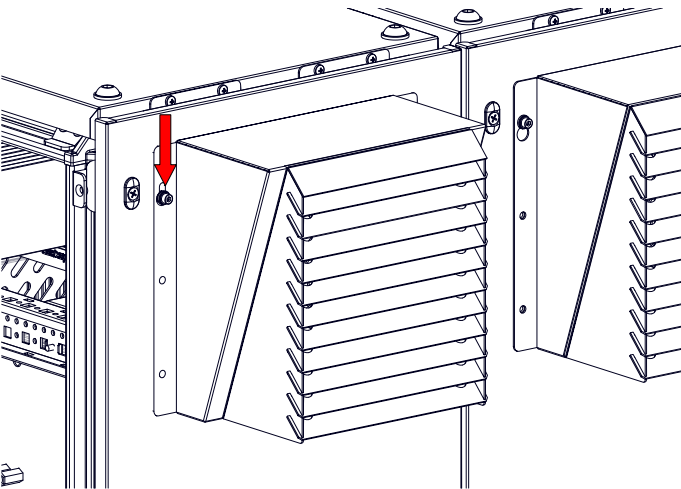
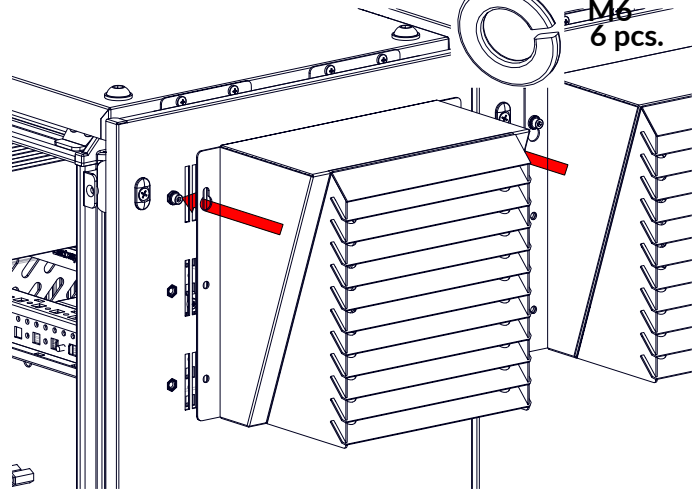
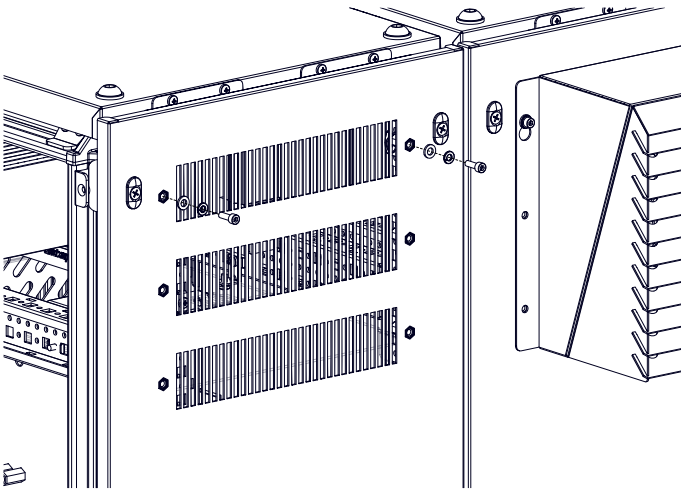
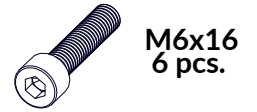
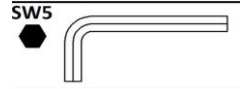
Required Packages:

400W: 1067.400

600W: 1067.600

800W: 1067.800

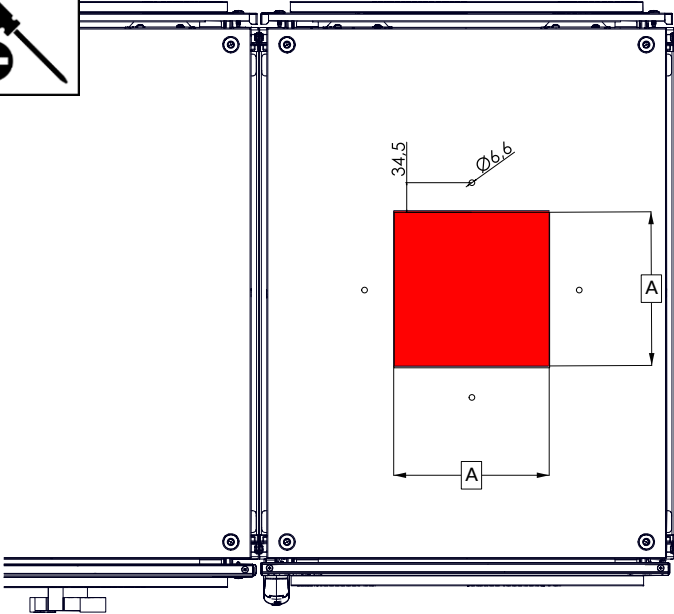
IP53 Kit:1067.100



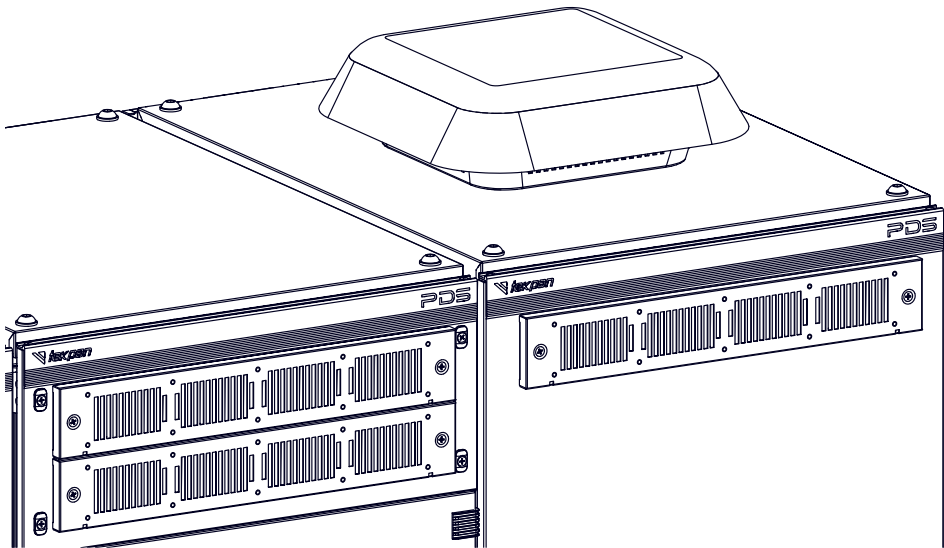
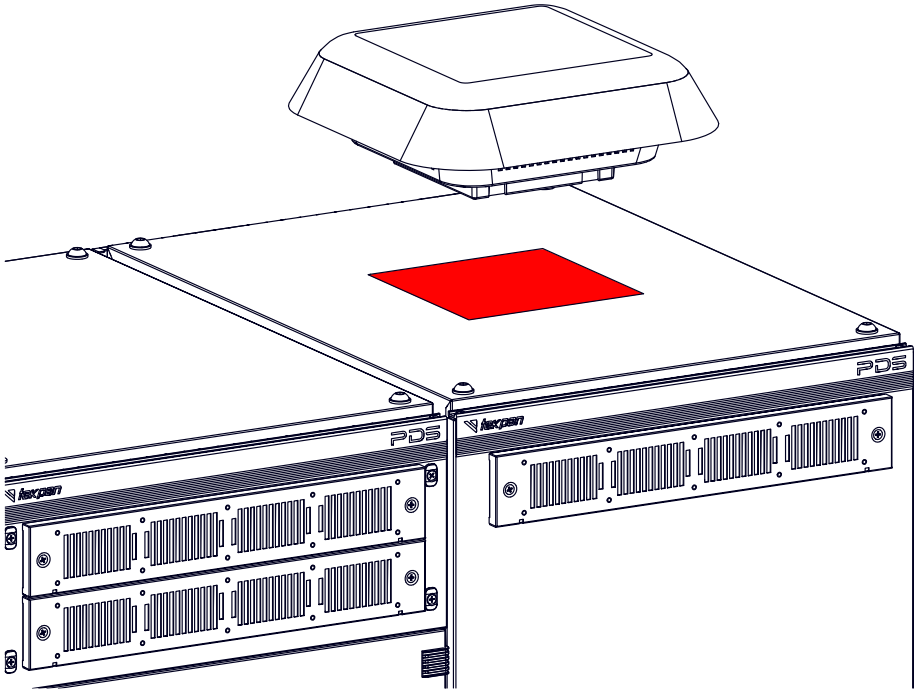
■ 3.2 ROOF TYPE VENTILATION ASSEMBLY



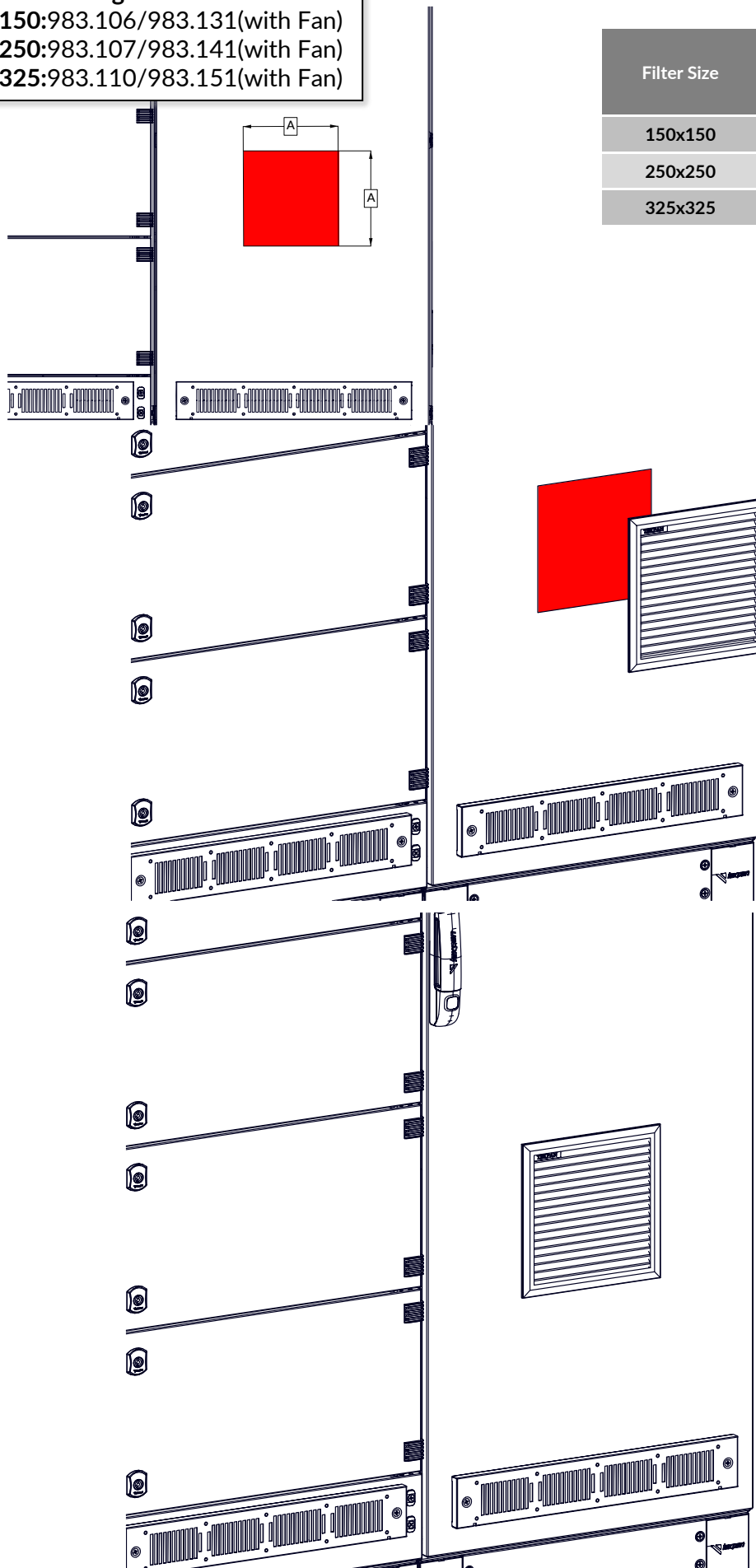
Required Packages:
58 Watt:982.202
85 Watt:982.203



Filter	A (mm)
Roof Ventilation	181



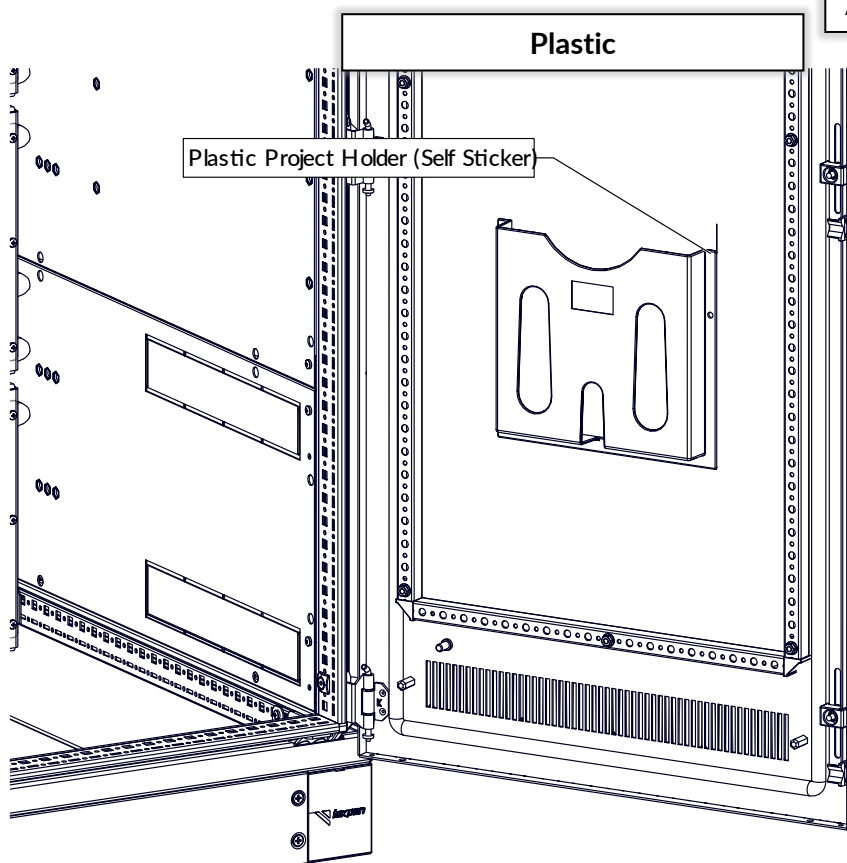
3.3 AIR FILTER ASSEMBLY

Required Packages:**150x150:983.106/983.131(with Fan)****250x250:983.107/983.141(with Fan)****325x325:983.110/983.151(with Fan)**

Filter Size	A (mm)
150x150	125
250x250	222
325x325	291

4. PROJECT HOLDER ASSEMBLY

Required Packages:
A4:994.400



Required Packages:
400W:994.704
600W:994.706
800W:994.708

