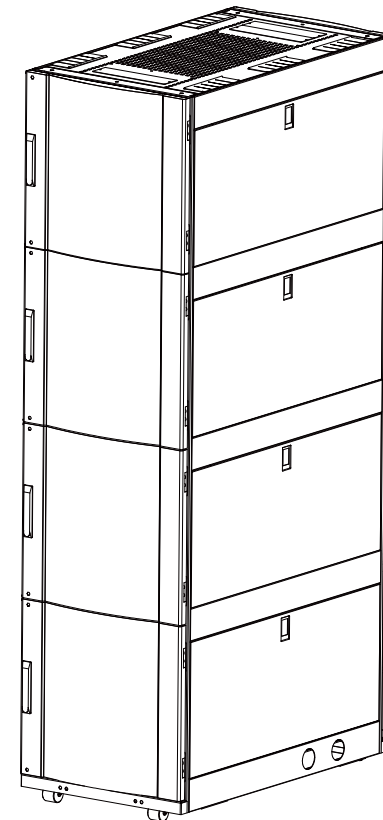


19" STANDING SERVER RACK PROFESSIONAL RACK



Owner's Manual
19" STANDING SERVER RACK

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CAUTION

Before installing this product, please note the following safety information:

1. Always lower the leveling feet of the rack cabinet;
2. Always install equipment starting from the bottom of rack cabinet to top;
3. Always install the heaviest equipment in the bottom of the rack cabinet;
4. Always have two or more persons during assembling and moving the rack cabinet;

OVERVIEW

Thank you for buying 19" Standing Server Rack, this document outlines the recommended practices for assembling and installing the server rack.

19" Standing Server Rack is high-quality enclosure for storage of industry-standard (EIA/ECA- 310), 19inch(483mm) rack-mount hardware, which includes servers, voice, data, networking, power protection equipment, KVM, etc, which are used in the data center rooms.

19" Standing Server Rack is the ultimate solution designed and engineered for demanding data center environment. To achieve optimum versatility within the server rack, users can set multiple depths throughout the rack by adjustable 19" mounting rails mounted on heavy duty side supports. Horizontally divided side panels provide ease of access and convenient post-installation maintenance. Over 78% perforations on front and rear door enable optimum airflow within the rack. Flat-pack option enables savings up to 60% in the transport cost and warehouse space.

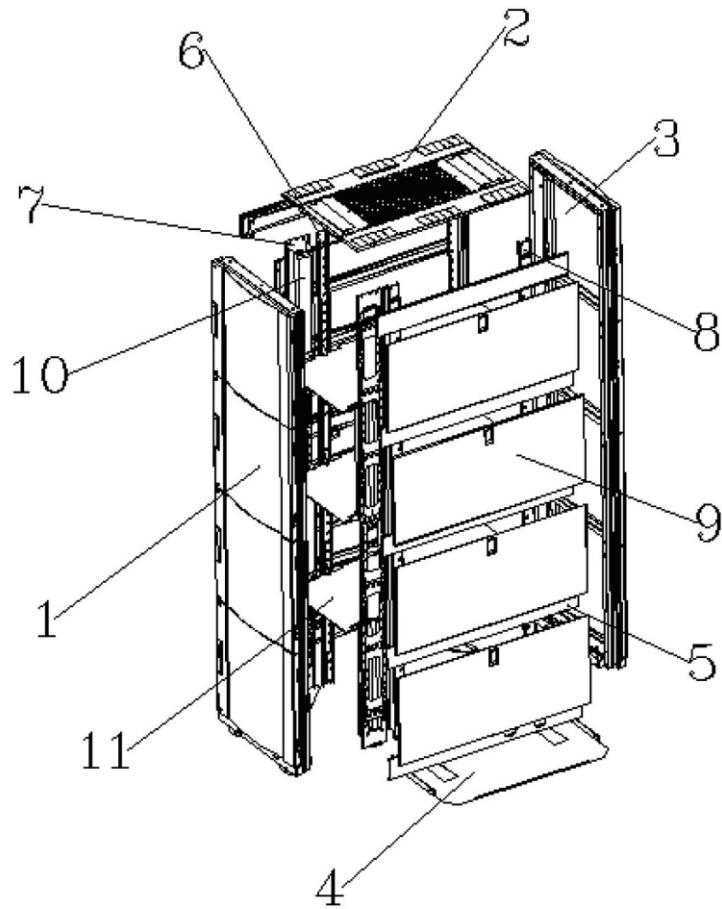
Please follow the installation instruction closely, assembly should be done using the recommended tools.

AVAILABLE RACK DIMENSIONS BELOW:

Capacity(U)	Width(mm)	Depth(mm)
24U	600	600
24U	600	800
24U	600	1000
42U	600	600
42U	600	800
42U	600	1000
42U	600	1200
42U	800	1000
42U	800	1200
48U	600	1000
48U	600	1200
48U	800	1000
48U	800	1200

NOTE: Above products can be shipped in Build-up method or Knock-down/flat-packed method

COMPONENT IDENTIFICATION



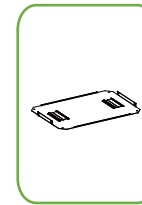
- | | |
|---------------------------------------|---------------------------|
| 1. Front vented door with single lock | 6. Left vertical rail |
| 2. Top cover | 7. Cable management rails |
| 3. Split rear door | 8. Right vertical rails |
| 4. Bottom plate | 9. Side panels |
| 5. Horizontal beam | 10. Iron plate |
| | 11. Richard slot cover |

Note: Bottom Plate is an additional mounting hardware.

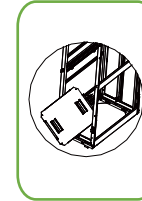
IMPORTANT

Optional Part(Bottom plate) Installation Instruction: It is better to install bottom plate during step 4 and step 5.

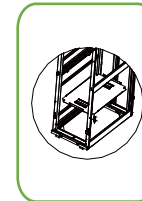
Secure the bottom plate to the corner bracket with M4*8mm self-tapping screws(4pcs),the bottom plate is tightened to the enclosure with M8*25mm hexagon headed bolt. The bottom plate is optional.



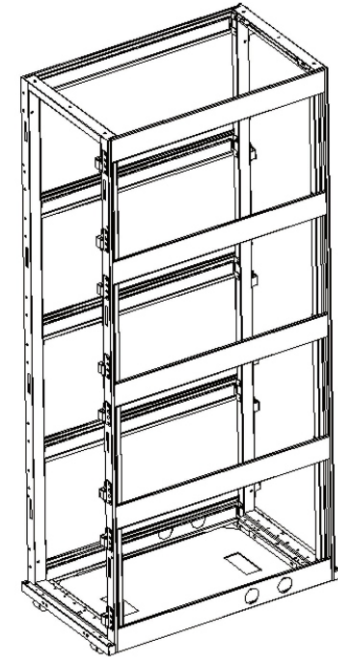
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1pcs

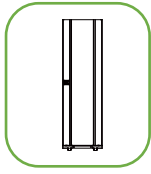


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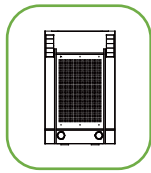


Note: The bottom plate is one of mounting accessories. Your equipment may also include other mounting hardware. Read the mounting instructions before installing your equipment.

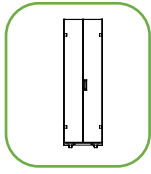
PACKAGING CONCEPT



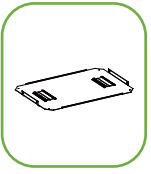
①



②



③

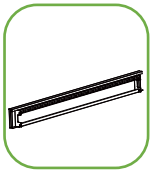


④

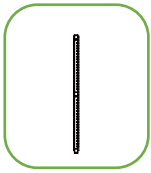
Safewell's Flat-pack (knock down) concept allows the client to ship units to the limit space, which can save container loading space and transport cost.

CARTON A -19" STANDING SERVER RACK FRONT & REAR DOOR KITS

CARTON A	PART LIST	QTY
①	Front door/frame assy, 19" standing server rack	1
②	Top cover, 19" standing server rack	1
③	Rear door/frame assy, 19" standing server rack	1
④	Bottom plate, 19" standing server rack	1



⑤



⑥



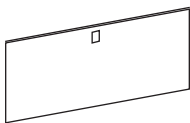
⑦



⑧

CARTON B-19" STANDING SERVER RACK RAILS & BEAM KITS

CARTON B	PART LIST	QTY
⑤	Horizontal support beam	10
⑥	Vertical rail, left	2
⑦	Cable management rail	2
⑧	Vertical rail, right	2

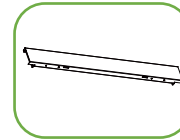


CARTON C-19" STANDING SERVER RACK SIDE PANELS KITS

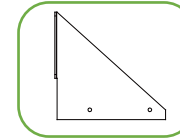
CARTON C	PART LIST	QTY
⑨	Side panel assy, 19" standing server rack	8

Part 1: Enclosure Installation

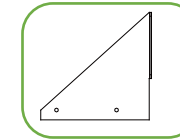
Step 1. Connect corner brackets to the lower beams with 2 screws.



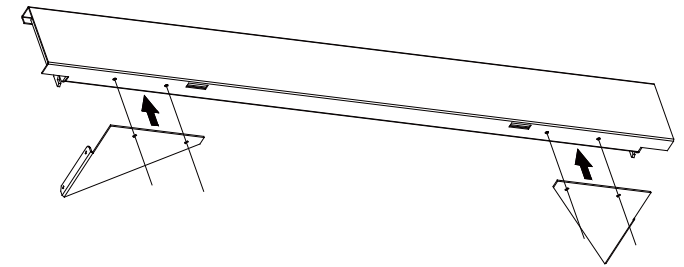
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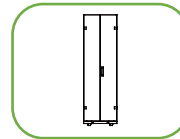
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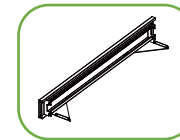
Step 2. Connect each of 6 beams to the rear door with 2 screws.



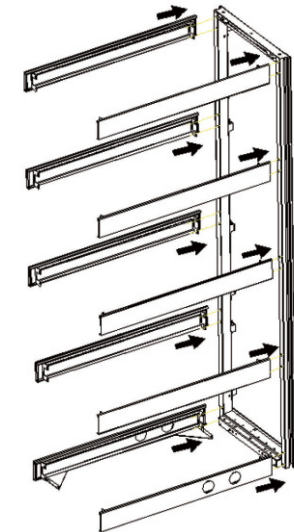
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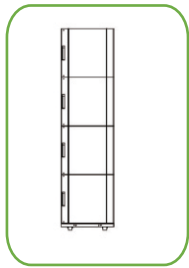
4pcs



2pcs



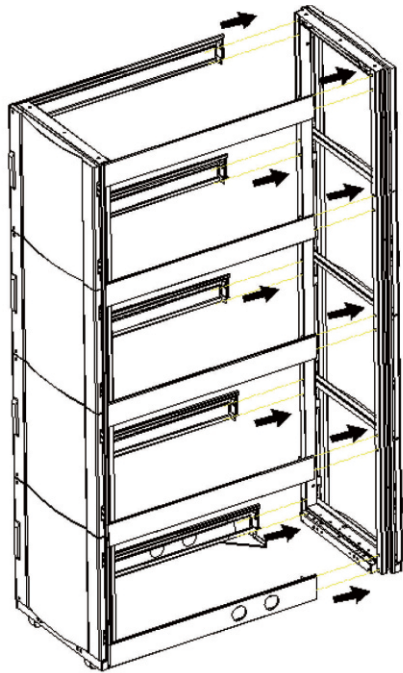
Step 3. Fasten each of 6 beams in step 2 to the front door with 2 screws



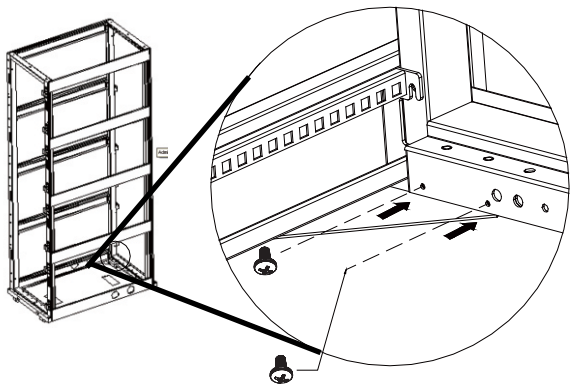
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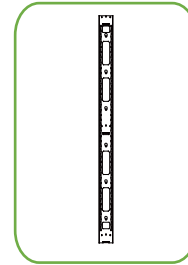
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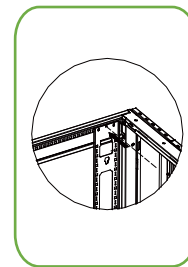
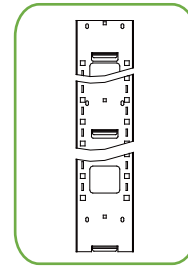
Step 4. Fasten corner brackets in step1 to the front with 2 screws



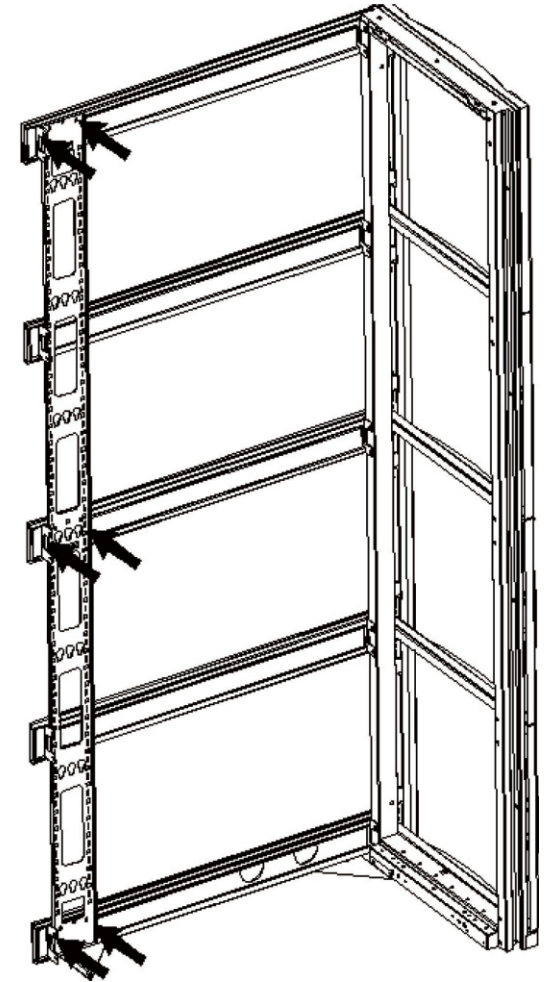
Step 5. Install the cage nuts to the required square openings in the mounting beams, one for each beam where you plan to install the cable management rails. Use M6 washers and mounting screws to secure the cable management rails, one for each side. Place M6 washers between the screws and the equipment mounting rails.



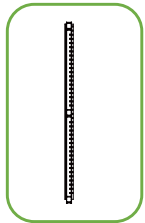
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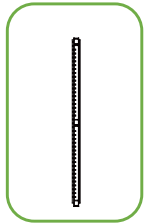
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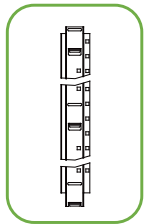
Step 6. Install the cage nuts to the desired square openings as step 5. Fasten the rails to the mounting beams with 3 screws and M6 washers, two rails for each side.



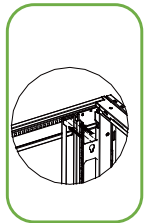
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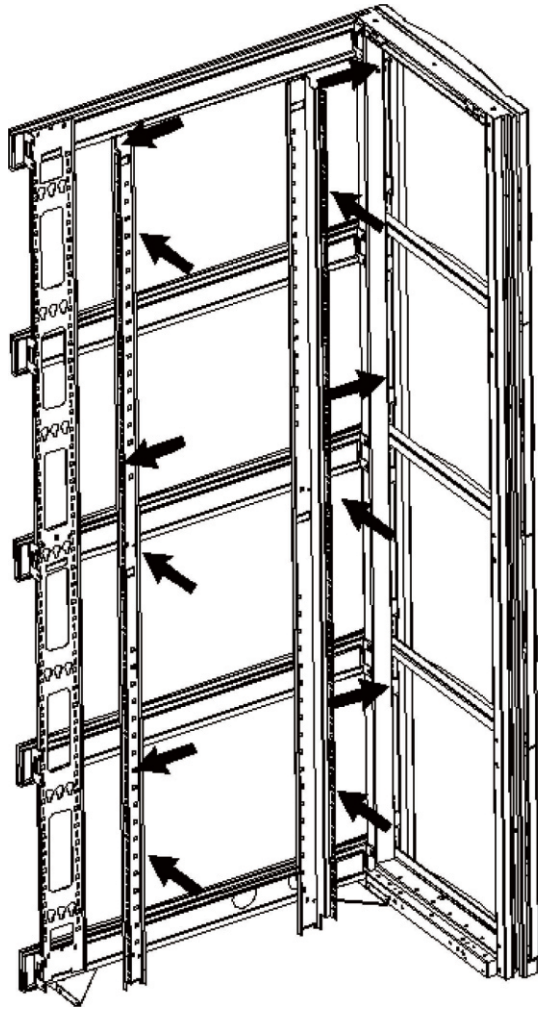
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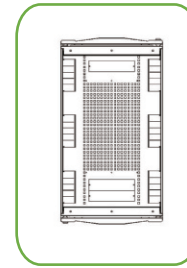
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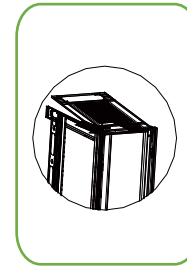
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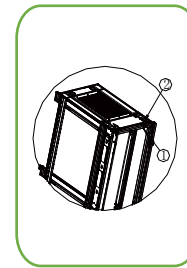
Step 7. While holding the top cover, arrange the 2 pins near the rear of the top cover into the holes in the enclosure frame. Pull the roof panel downward until it's close to the enclosure frame.



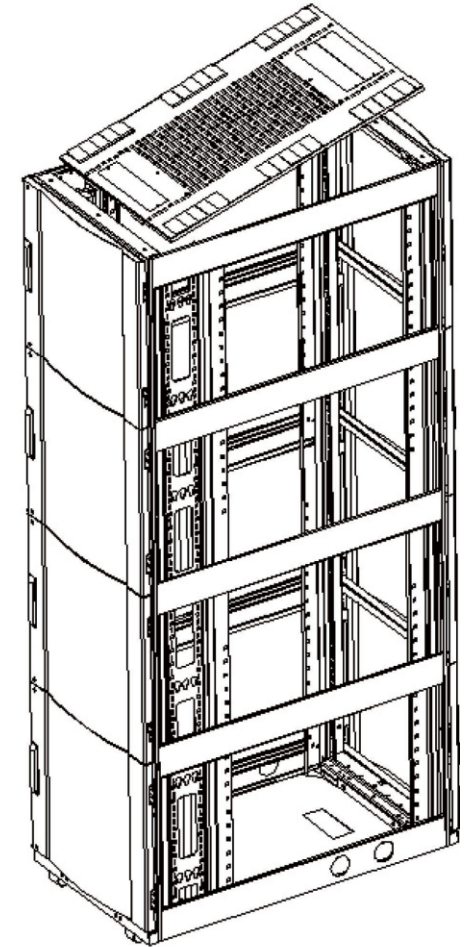
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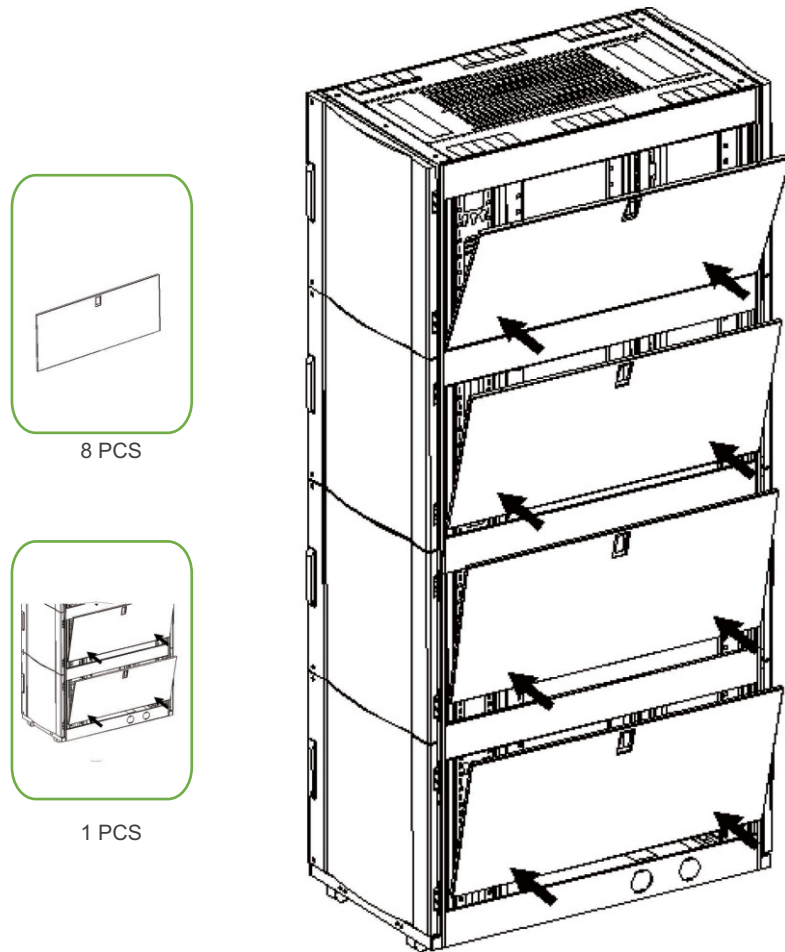
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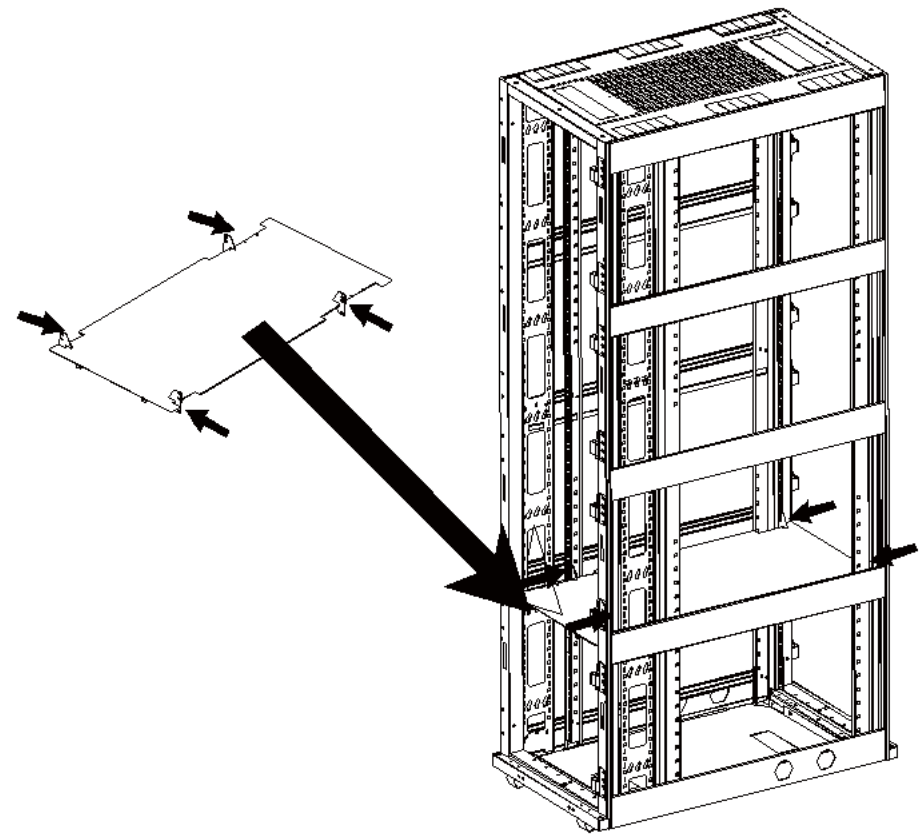


Step 8. Open side panel latch by sliding it downward, then install side panels into the frame.

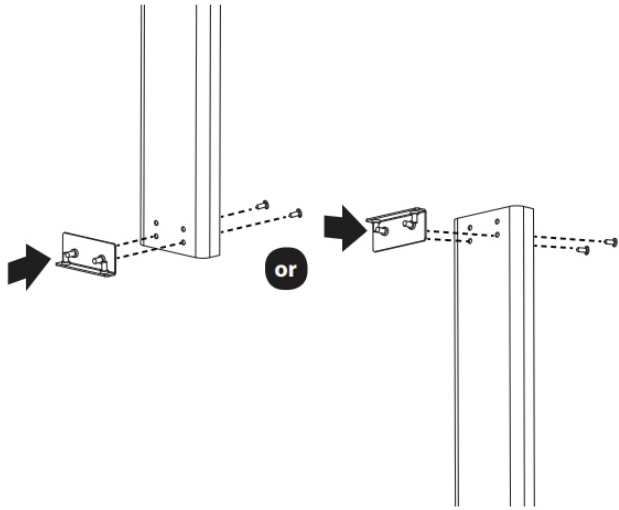


Step 9. Using an assistant, install divider. Divider should be installed with lower doors installed and completely closed so divider can rest on the lower doors while installing M6 washers and screws. Lock the doors to prevent them from opening and damaging the divider. Brackets on divider should be on the inside of the rack vertical rails.

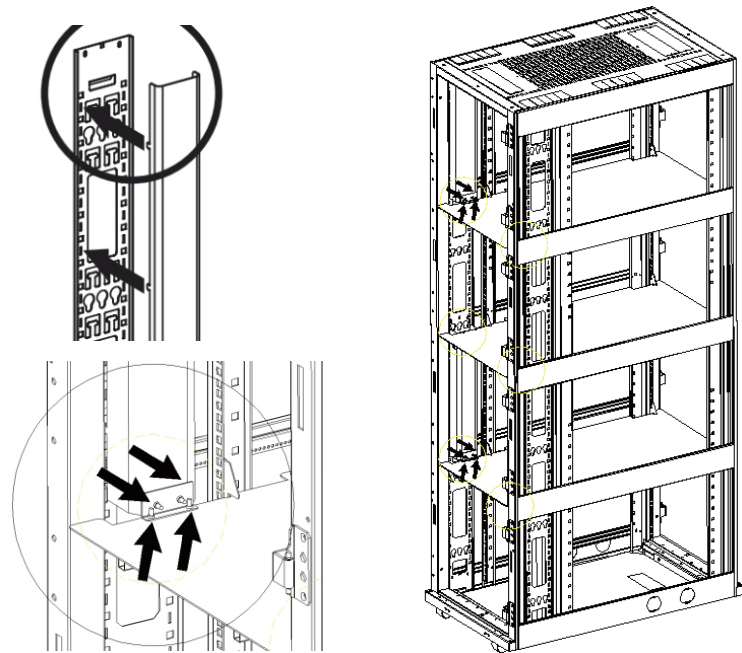
Step 10. Install upper M6 washers and screws in the topmost hole of "U" number 12 for a 13U rack and "U" number 24 for a 25U and number 36 for a 37U rack, DO NOT open lower doors until four of these washers and screws are installed onto the four vertical rails.



Step 11



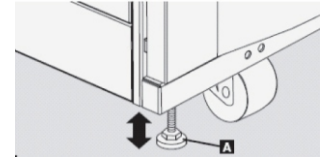
Step 12. Once upper M6 hardware is installed, the bottom doors can safely be opened to install the lower M6 hardware.



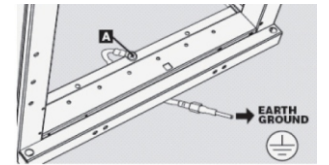
PART 2: ENCLOSURE CONFIGURATION

Step 1. Placement: Use the casters to move the enclosure for a short distance over a level, smooth and stable surface by pushing the unit, it should be moved near to the installation place.

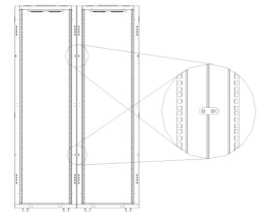
Step 2. Leveling: After locating the enclosure in right place, using the leveling feet on 4 corners to level the unit on the floor, please make sure the enclosure is leveled before attempting to install equipments.



Step 3. Grounding Connection: Make sure all the parts of the enclosure are properly bonded and grounded to the frame of the enclosure, then connect one of the designated grounding locations (two M6 threaded inserts on front/rear door frame) directly to your facility's earth ground connection with 8AWG wire. Please don't use the enclosure without an earth ground connection.



Step 4. Aling the enclosures and join them using one M5 flat-head screw (pre-installed on the door frame) per bracket-two brackets for the front and two brackets for the rear.



Step 5. Equipment installation: Please don't install any equipment until you have stabilized the unit. Install the heavier equipment firstly and towards the bottom of enclosure. Install the equipment from the bottom of unit and then towards the top.

Note: The square holes at the middle of each U-shaped vertical rail are numbered and also include a small notch to aid identification.



When you need to install equipment, use cage nut to secure your equipment to the U-shaped vertical rail.

