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TS IT Colo enclosure system

9962.850
9962.851
9962.852
9962.853
9962.854



Assembly and operating instructions

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

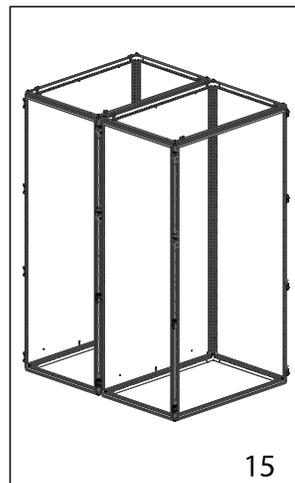
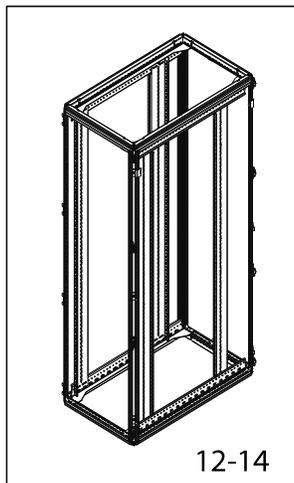
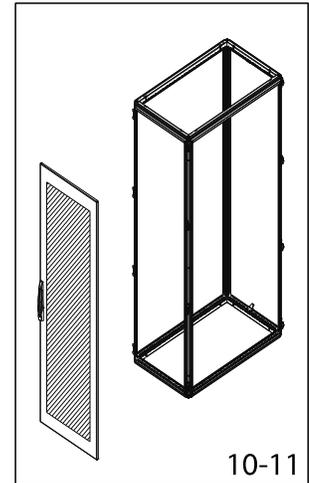
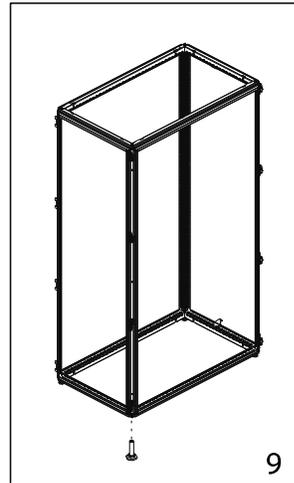
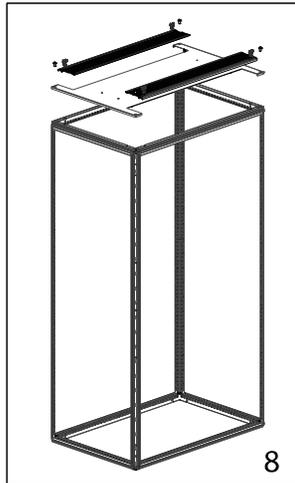
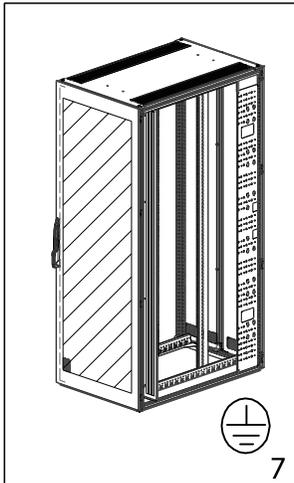
FRIEDHELM LOH GROUP



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Safety Warnings and Cautions

Observe all Warnings and Cautions in this manual.



Caution: Prior to unpacking, please carefully read through the instructions, safety warnings and cautions, and moving instructions. Please also familiarize yourself with the product before commencing installation, operation, or maintenance work to protect yourself as well as others who may be involved.



Caution: Your system may be large and heavy - proper preparation and planning are important to prevent injury to yourself and to others. This becomes increasingly important when systems are installed high up in the enclosure.



Caution: When using telescopic slides the TS IT Colo must be secured to the floor or bayed to other TS IT Colo before extending devices on telescopic slides. Only one device at a time may be in the set forward position. If for some reason more than one device is extended at the same time, the stability of the TS IT Colo may be a risk.



Warning: To avoid damage or injury, do not use the roof as a walkway.



Tip Hazard: The TS IT Colo must be secured to prevent it from tipping over during transportation and must only be shipped in an empty state. During shipment, suitable measures must be taken to secure the TS IT Colo. Use caution when unpacking or moving the TS IT Colo.



Heavy: To be able to unpack or move the TS IT Colo safely, you will need at least two instructed or skilled persons. Check the planned route for obstacles to avoid potential hazards. The corridor widths and door openings must be adequately dimensioned for the size of the TS IT Colo.

Moving the Enclosure



Caution: If required, the leveling components should be installed on the enclosure at the final installation location. Do not attempt to move the TS IT Colo with the leveling feet deployed. Always retract the leveling feet before moving the enclosure. Having the leveling feet deployed when you move the enclosure may cause it to tip over.



Caution: If you move a fully loaded enclosure on a slightly uneven floor surface, the enclosure may become unstable and tip over.



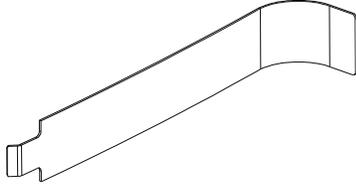
Caution: Adjust the leveling feet until each leveling component rests firmly on the floor. Proper contact with the floor ensures that each leveling foot is supporting the weight of the enclosure and prevents the enclosure from swaying in any direction. If the leveling feet are not all in firm contact with the floor, the enclosure can become unstable and tip over.



Caution: The TS IT Colo must be secured to prevent it from tipping over during transportation. If transporting the enclosure with standard equipment installed, care must be taken to ensure the center of gravity for the installation is below the 15th rack height unit. Please refer to the TS 8 Technical Documentation - Load Brochure for additional moving guidelines.

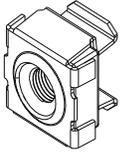
Tools

Tools Provided

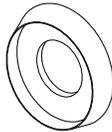


CAPTIVE NUTS TOOL

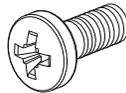
Hardware (provided)



M6 EL CAPTIVE NUTS (50)

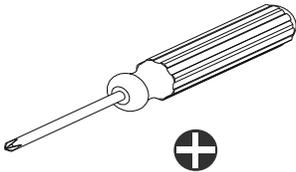


WASHER, 6.5 POLY. (50)

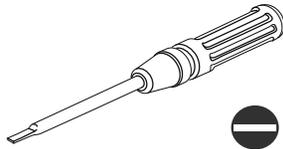


M6 X 16 PHIL PAN HD SCREW (100)

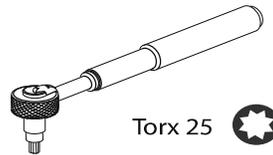
Other Tools Required



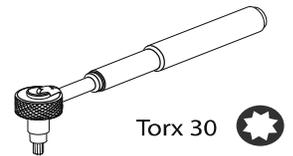
PHILLIPS SCREWDRIVER



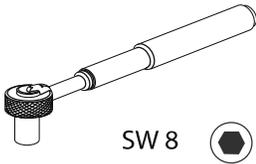
SLOTTED SCREWDRIVER



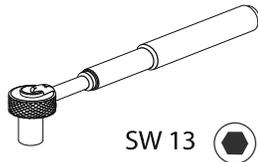
TORX DRIVER



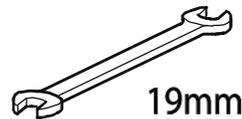
TORX DRIVER



8mm DRIVER



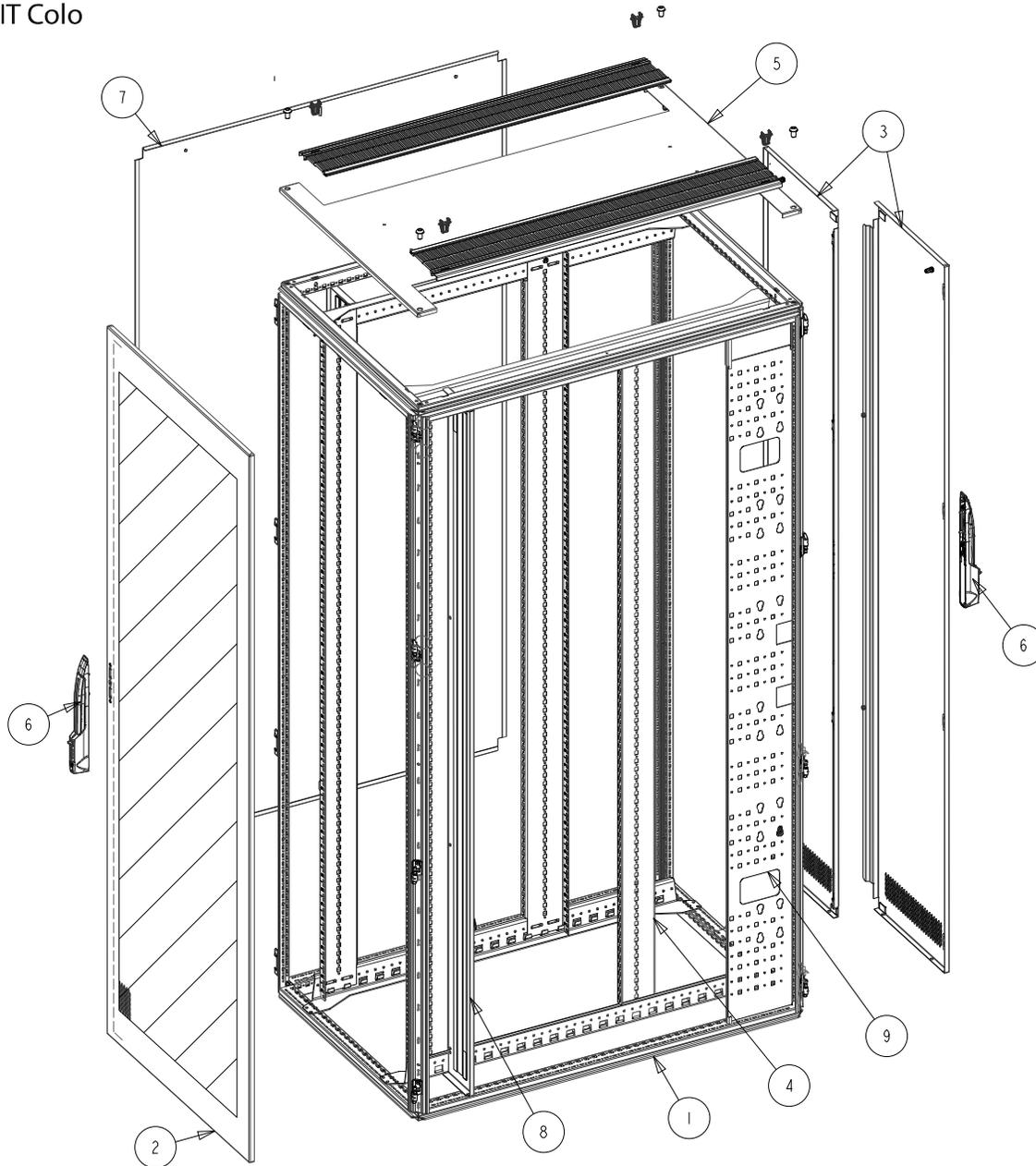
13mm DRIVER



WRENCH 19mm

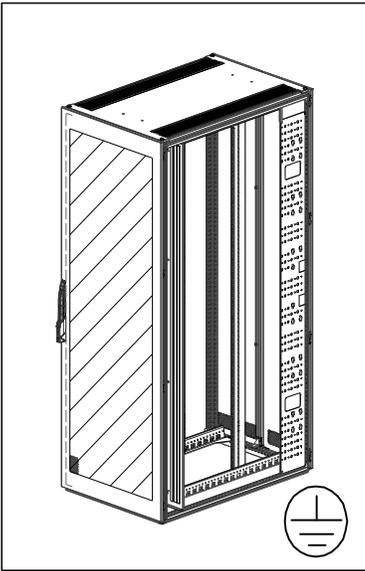
Components of Enclosure

TS IT Colo

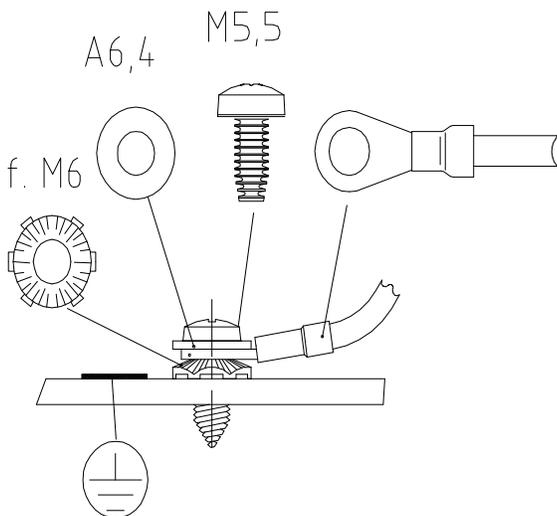
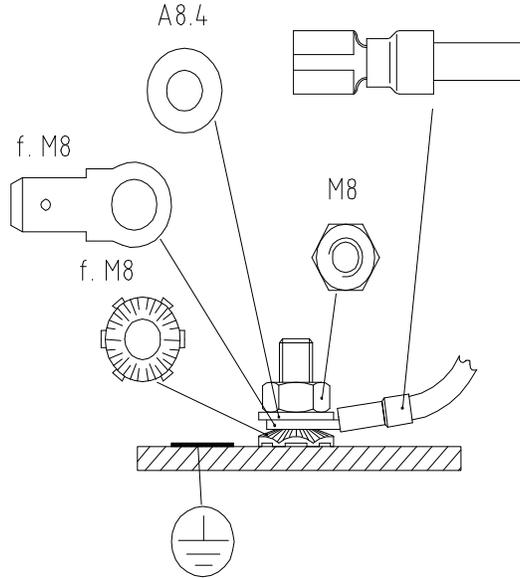


- | | | | |
|---|-----------------|---|-------------------------|
| 1 | TS FRAME | 6 | COMBINATION DOOR HANDLE |
| 2 | FRONT DOOR | 7 | PARTITION WALL |
| 3 | SPLIT REAR DOOR | 8 | BRUSH BAFFLES |
| 4 | EIA RAIL SYSTEM | 9 | CABLE MANAGEMENT WALL |
| 5 | ROOF | | |

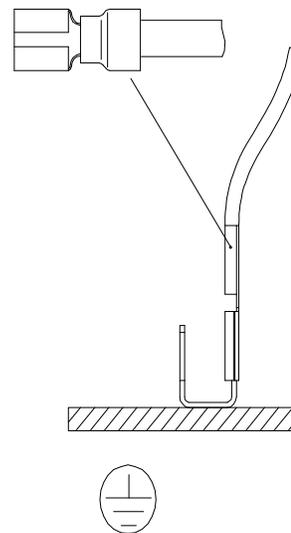
Grounding Options



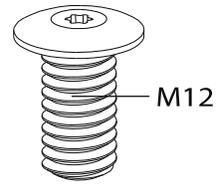
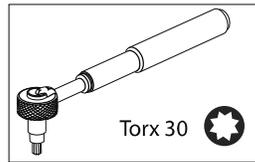
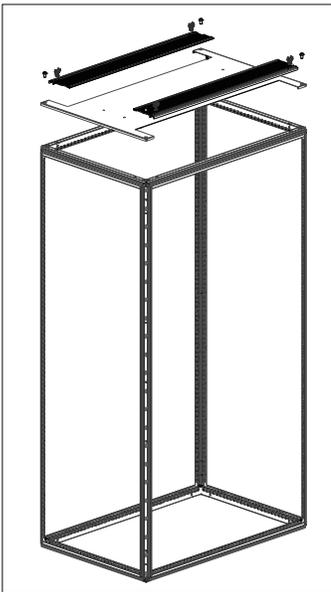
Sidewalls
Front & Rear Doors
Roof



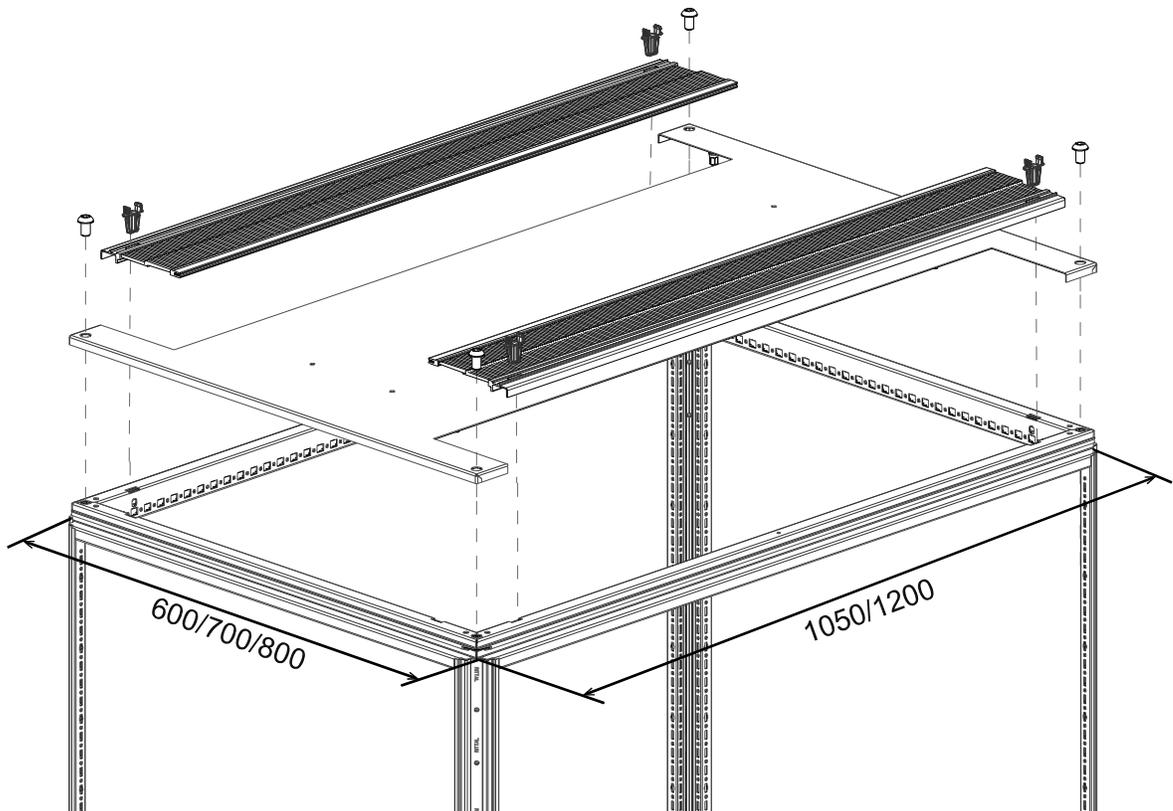
Frame

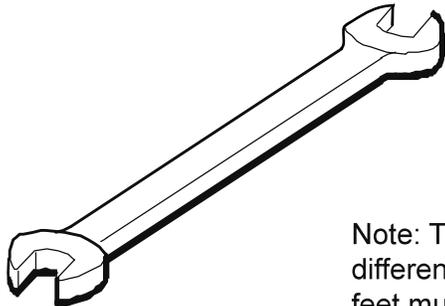
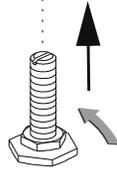
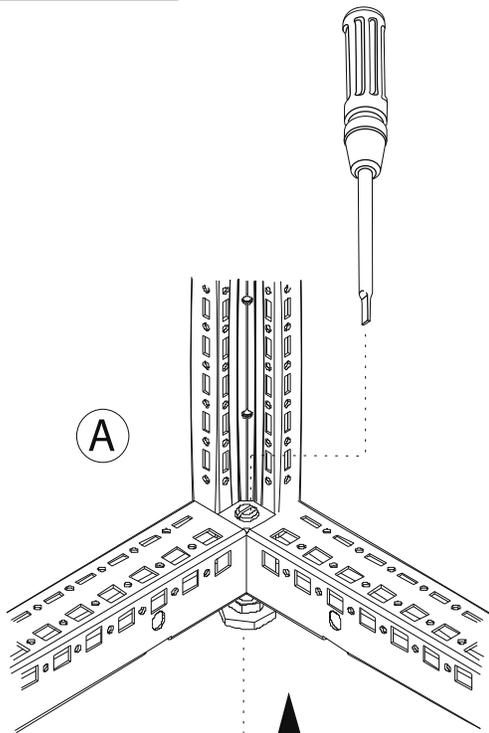
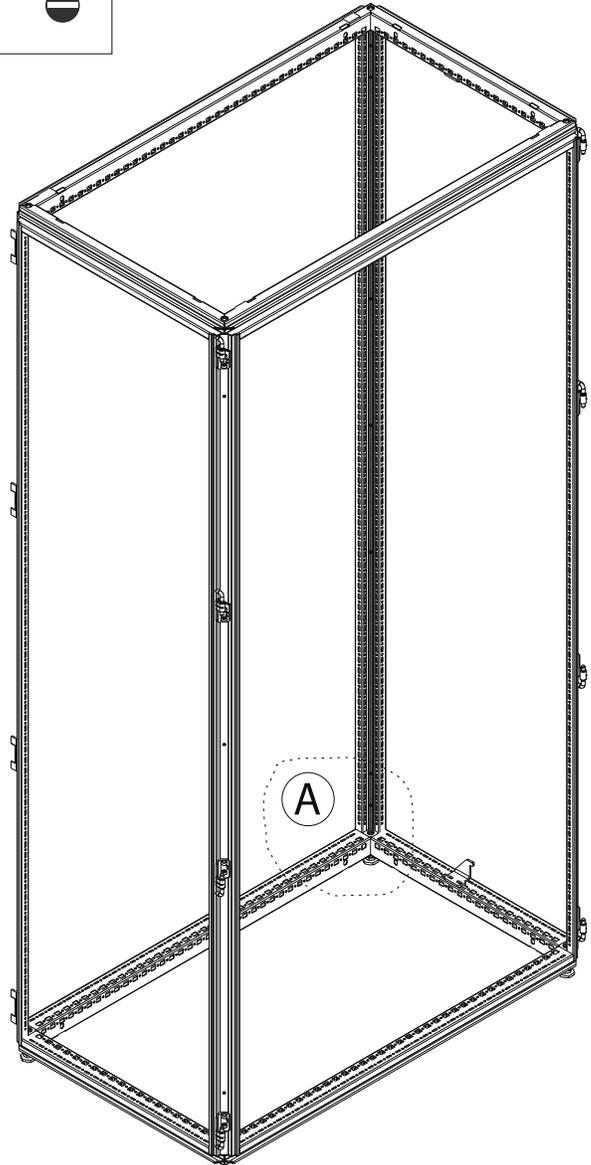
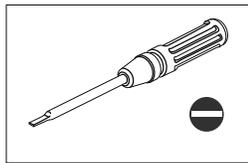
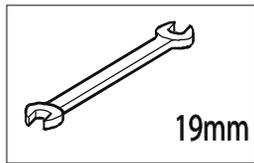
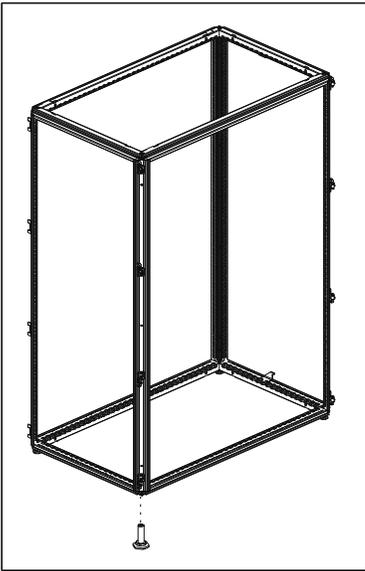


Any component
using spade



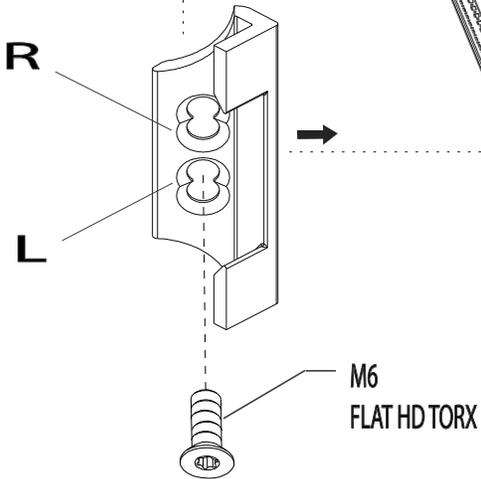
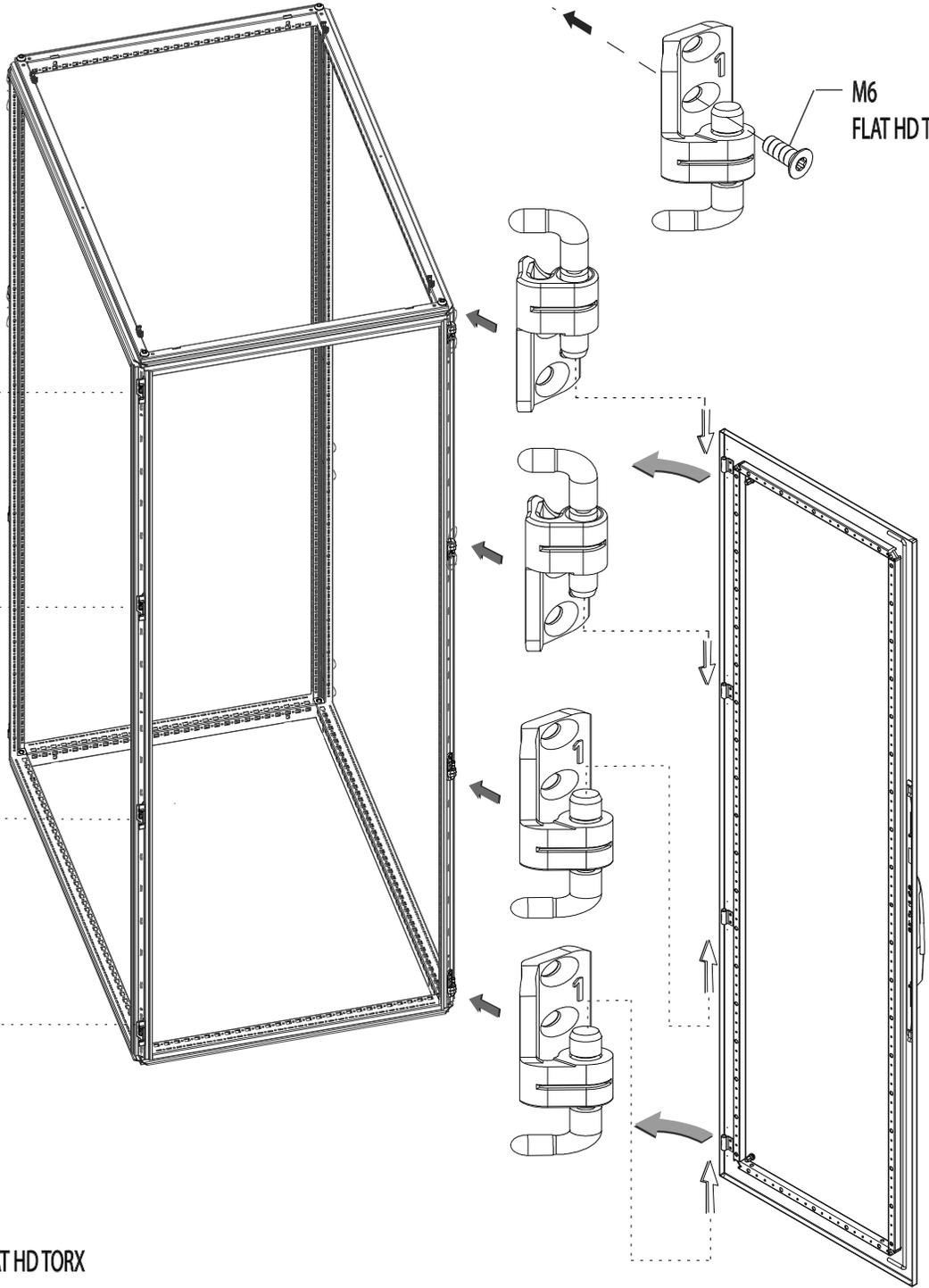
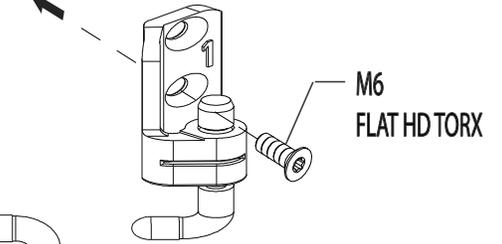
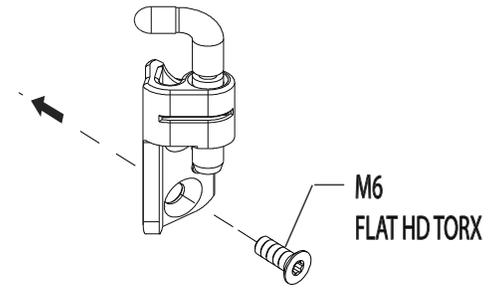
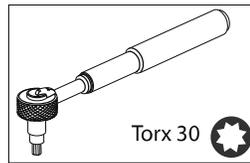
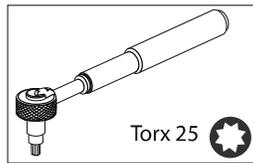
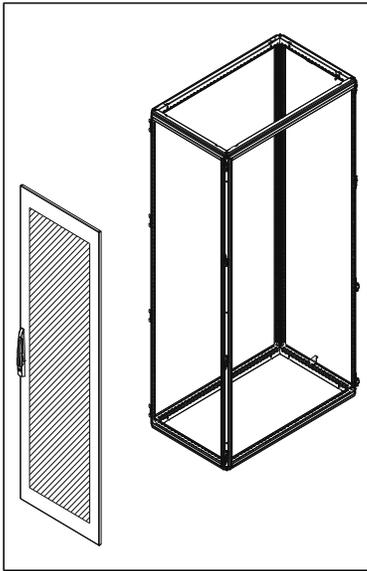
Mmin = 10 Nm
Mmax = 35 Nm



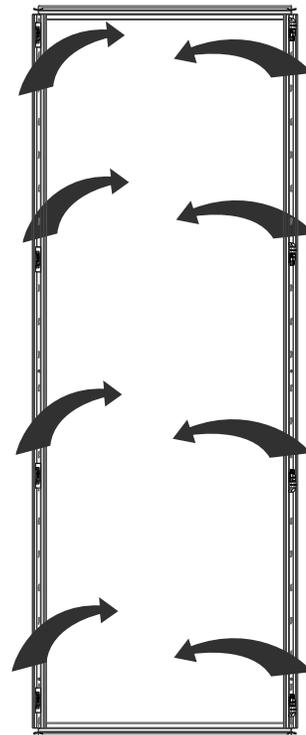
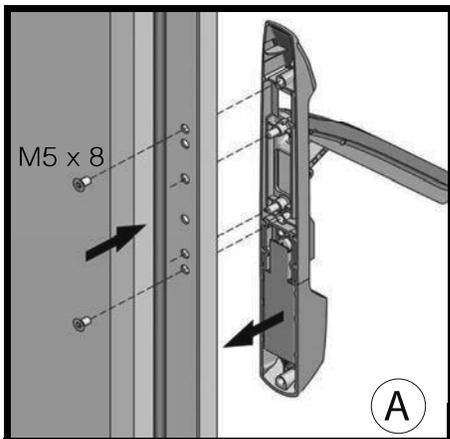
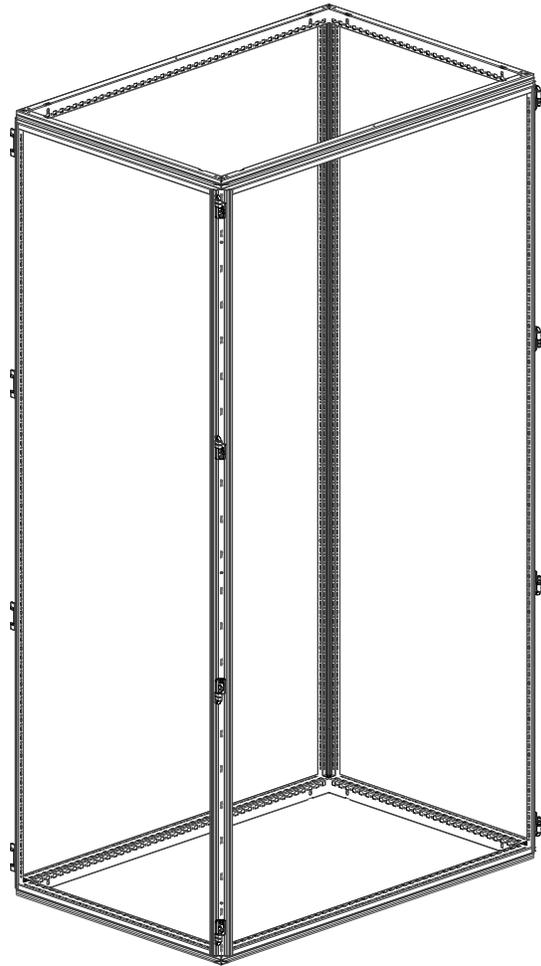
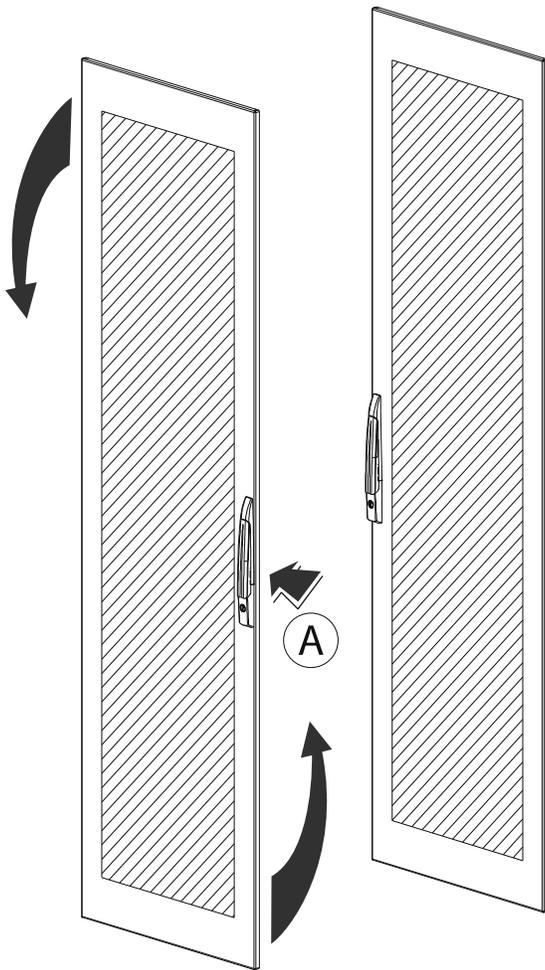


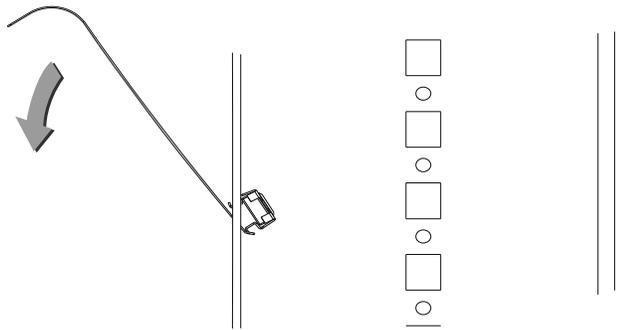
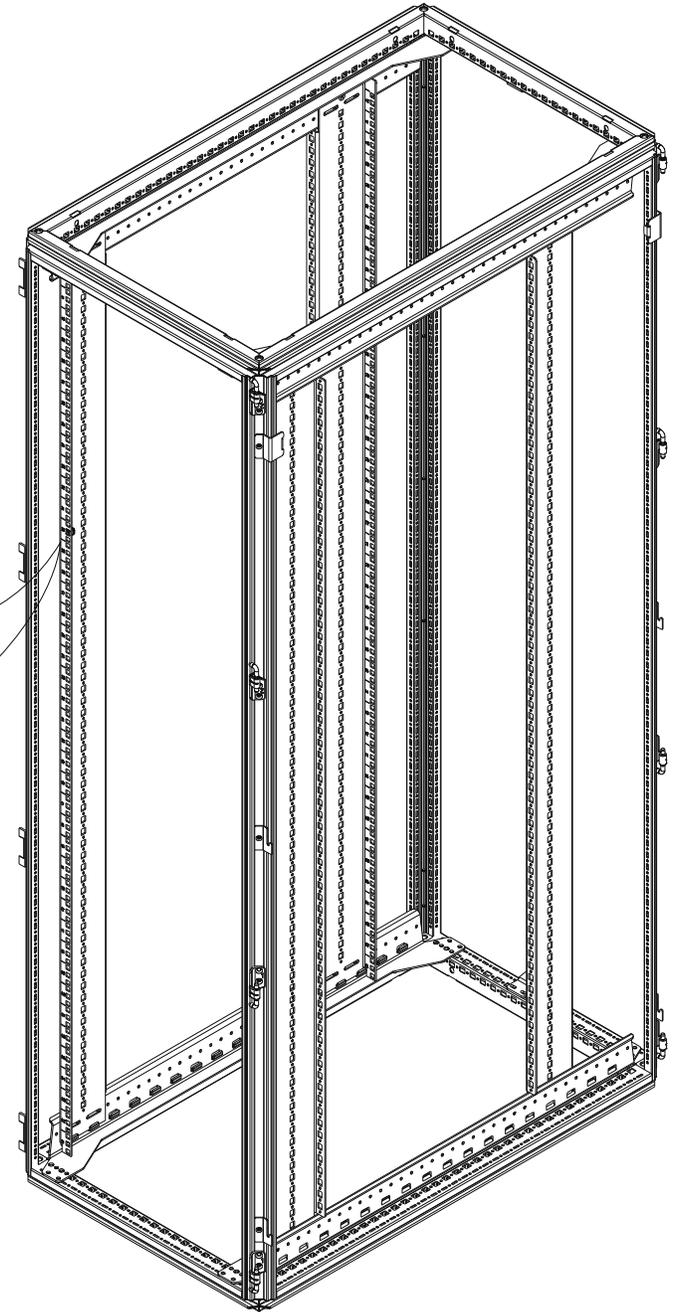
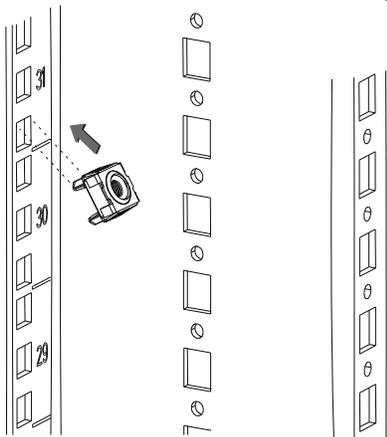
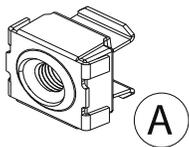
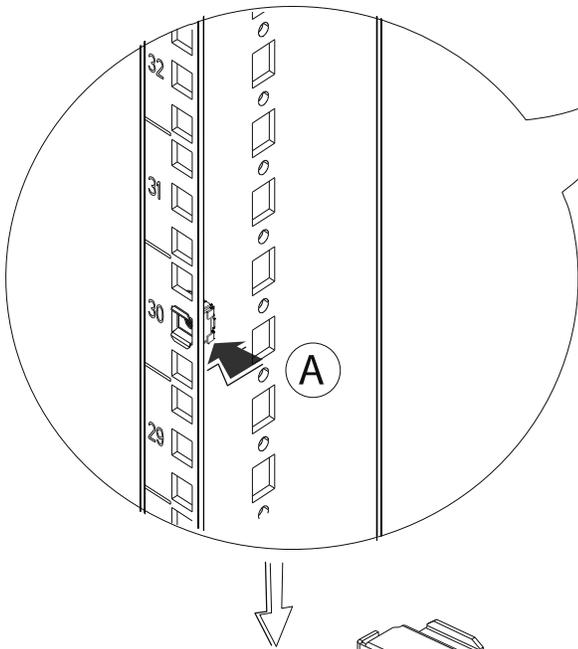
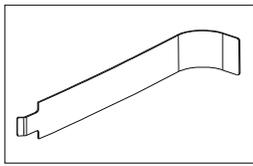
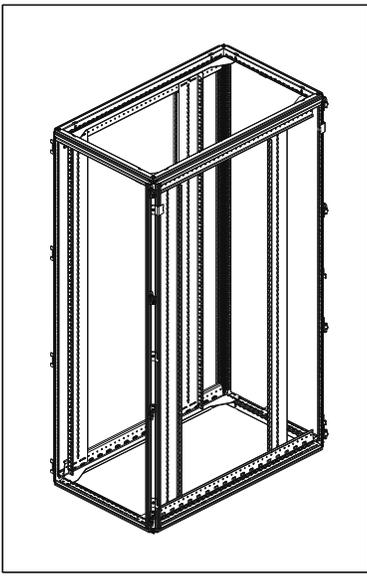
LEVELING FEET M12 x 1.75
Min. = 13mm
Max. = 45mm

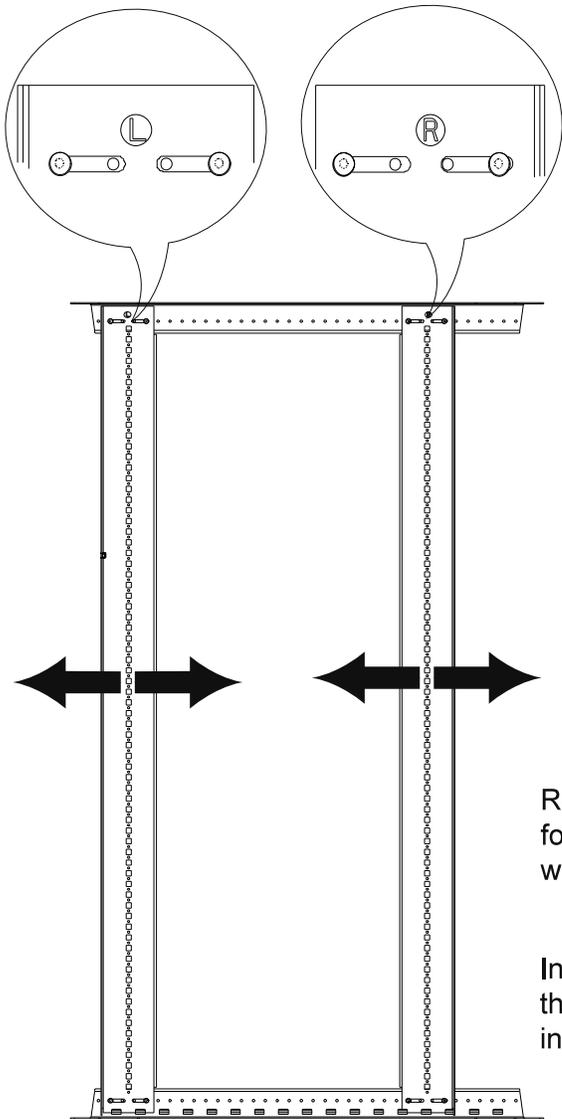
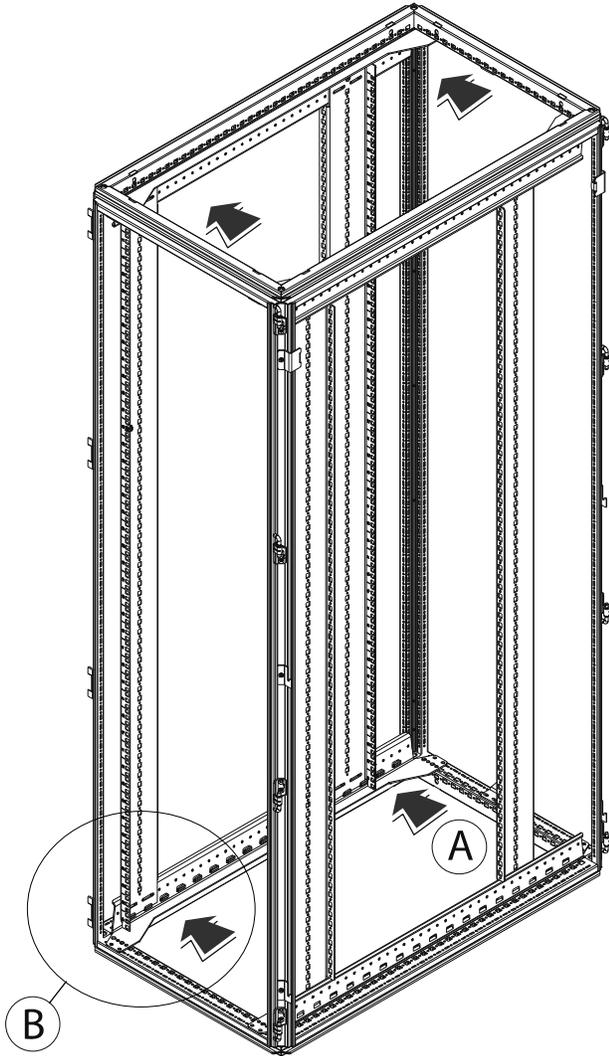
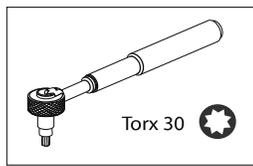
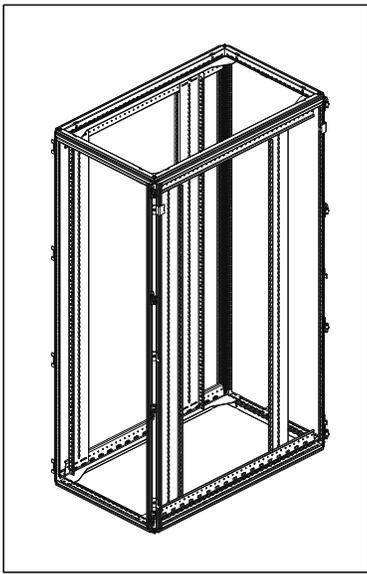
Note: The leveling feet must be evenly adjusted in height. A maximum height difference of 5mm between levels is admissible while positioning. All leveling feet must be in contact with the floor.



Reversing Door



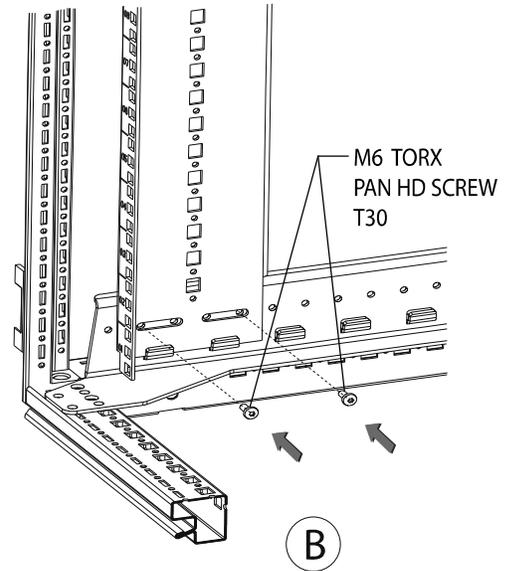




A

Refer to air baffle instructions for properly relocating baffles when moving rails.

Instructions for moving the rails to the left or right in 700/800mm (W) cabinets



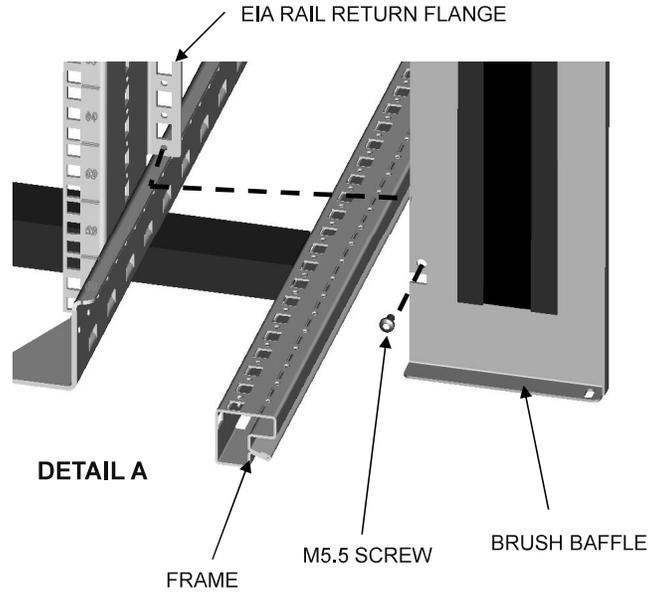
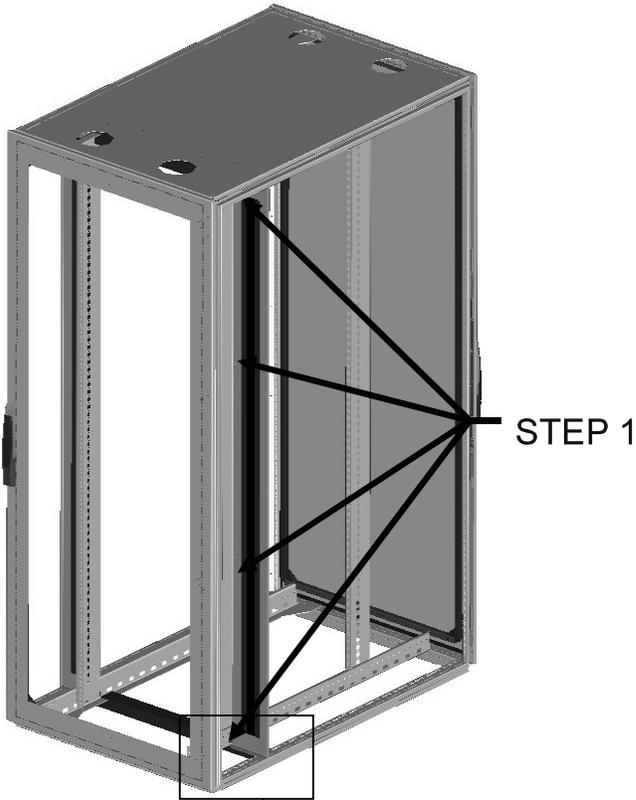
B

BRUSH BAFFLE INSTRUCTION SHEET

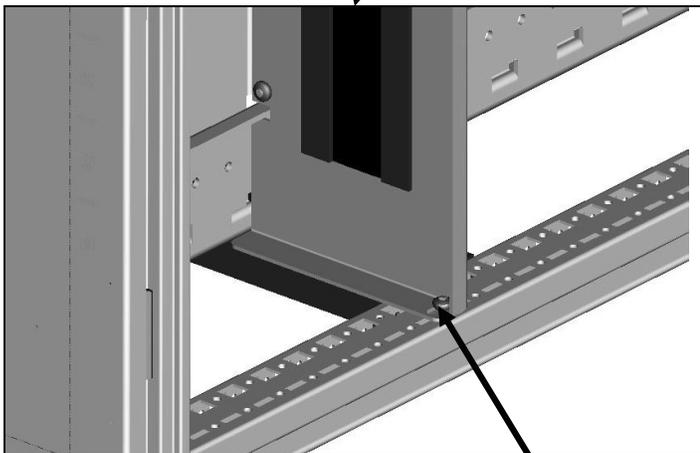
T25 TORX DRIVER REQUIRED FOR SCREWS

STEP 1: FASTEN BRUSH BAFFLE TO RETURN FLANGE ON EIA RAIL USING INCLUDED M5.5 SCREWS. (SEE DETAIL A)

STEP 2: FASTEN BRUSH BAFFLE TO TOP AND BOTTOM FRAME MEMBERS USING INCLUDED M5.5 SCREWS. (SEE DETAIL B)

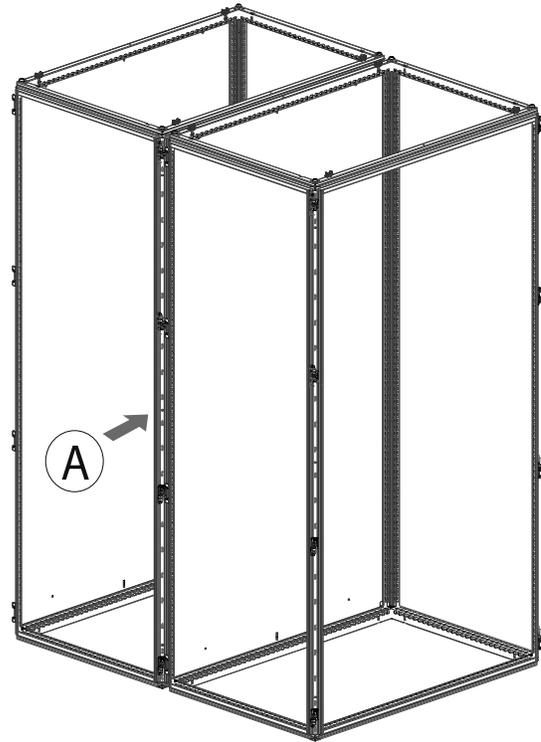
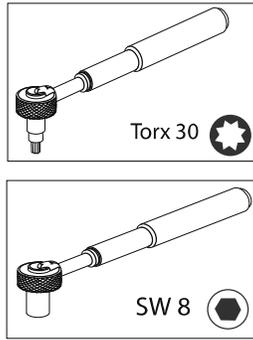


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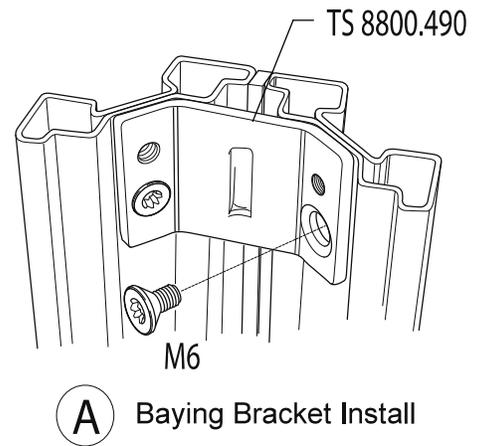
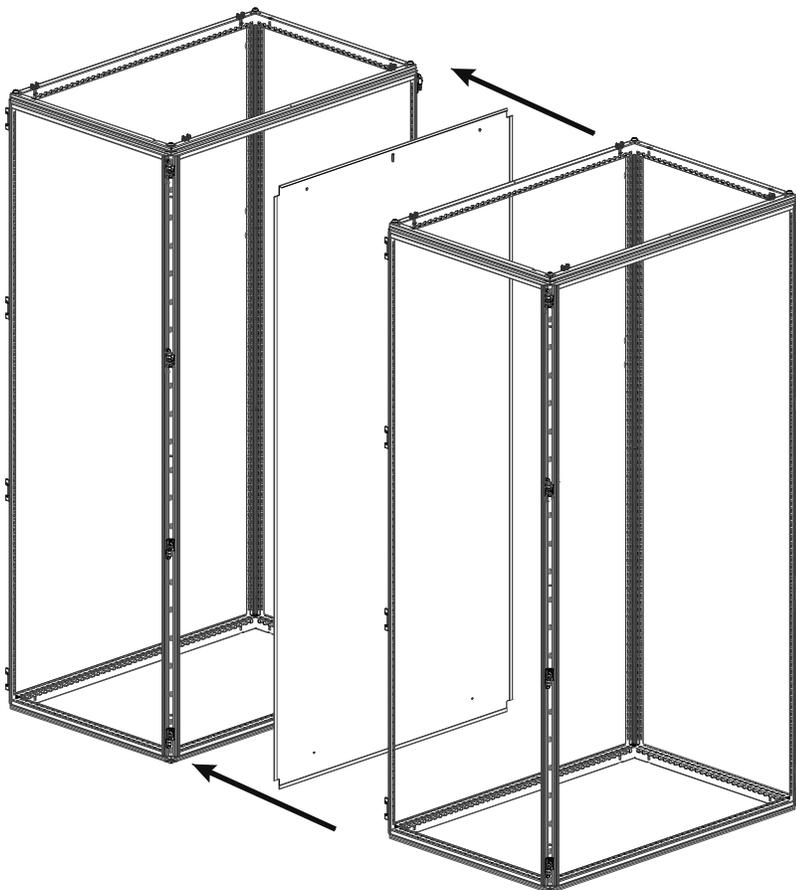


DETAIL B

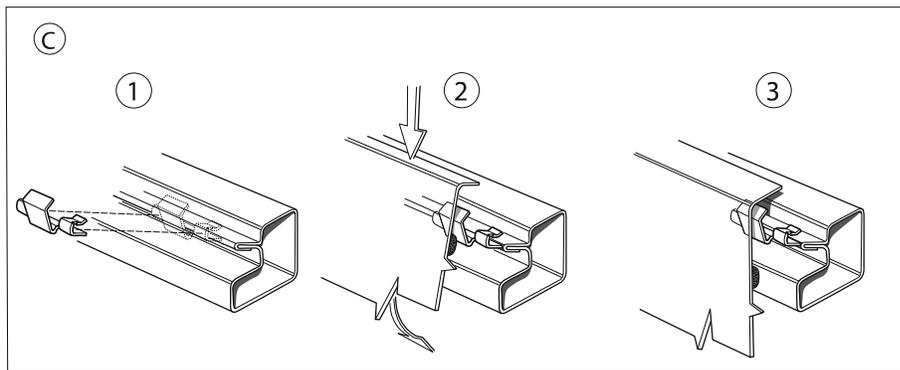
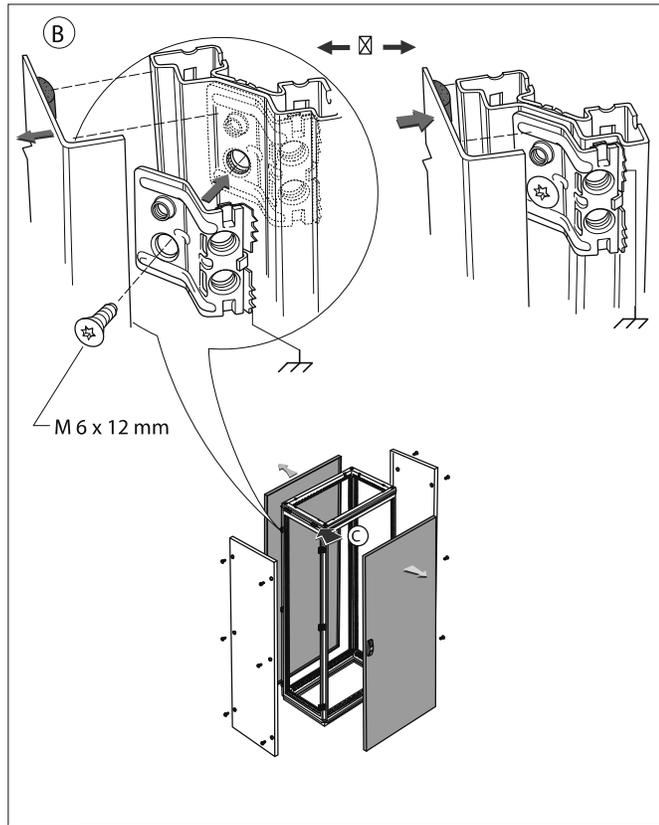
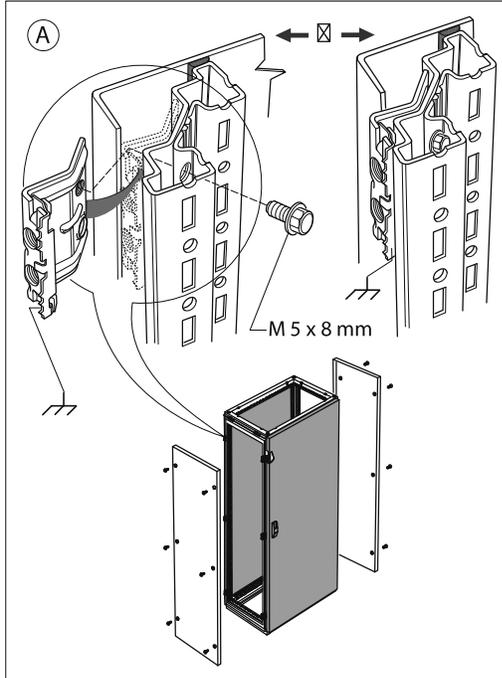
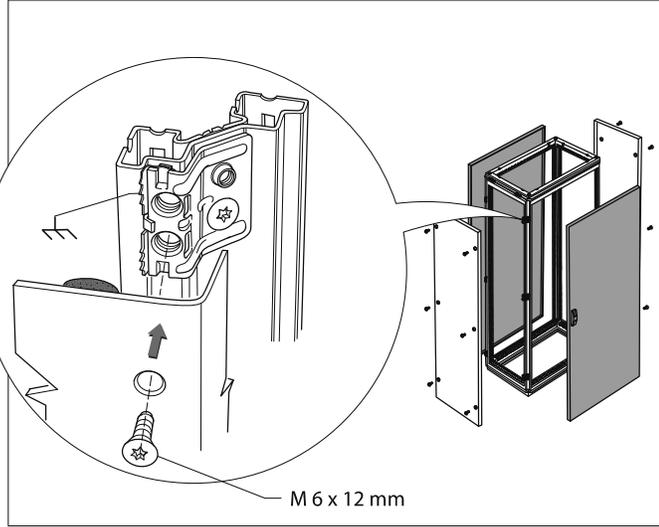
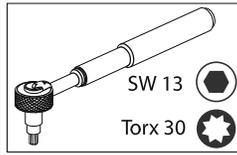
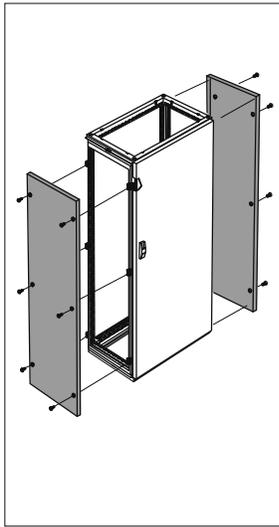
STEP 2



Note: Screws must be removed from partition wall prior to baying. Once bayed the partition wall can be removed by uninstalling the baying brackets on either the front or back of the enclosures and sliding it out from between the two frames.



A Baying Bracket Install



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- Climate Control
- IT Infrastructure
- Software & Services

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ENCLOSURES

POWER DISTRIBUTION

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SOFTWARE & SERVICES

