Manuals+ — User Manuals Simplified.

COMMSCOPE FACT Frame Cross Connect RHP Installation Guide

Contents

COMMSCOPE FACT Frame Cross Connect RHP

Product Specifications

- **Model:** Fact Frame Cross Connect RHP
- **Manufacturer:** Commscope
- **Revision:** B
- **Release Date:** April 2019

Product Usage Instructions

Frame Assembly – Step 1 Top Bottom

Step 1: Align the 2 side ducts and backplate on the floor as illustrated. Slide both side ducts against the backplate.

Frame Assembly – Step 2

- **Step 2:** Join the backplate to the side ducts with 6 M6 bolts + washers.
- Start with the 2 middle bolts.
- Make sure that the side ducts and backplate are aligned.

Frame Assembly – Step 3

- **Step 3a:** Mount 2 Frame Centers (6 bolts+serrated washers/center). Use the alignment feature first.
- **Step 3b:** Mount the bottom feet spacer (2 bolts + serrated washers).

Frame Assembly – Step 4

- **Step 4a:** Place the floor template and bolt it to the floor, but don't tighten it yet.
- The bolts that are used to mount the floor template are not included.
- **Step 4b:** Lift the frame and slide it over the floor template.
- It requires 2 installers as it is a heavy frame.

Frame Assembly – Step 5

- **Step 5a:** Level the frame before bolting it to the floor template. There are 4 leveling feet that can be adjusted.
- **Step 5b:** Bolt the frame to the template using 4x M10 bolts + serrated washers.

Bottom Through Assembly – Step 6

- **Step 6:** Mount the bottom through, using 7x M6 bolts + serrated washers.

Bottom Through Assembly – Step 7

- Select and mount the bottom through plate. A if cables are entering the frame from the bottom. B if no cables are entering the frame from the bottom (full bottom through depth is used).

General product information

- CommScope's all-purpose, easy-to-use FACT cross-connect frames are designed to meet today's and tomorrow's high-density network needs. The front access frame provides full access to both sides of all connections.
- The cross-connect FACT frame is available in 2 versions: Left Hand Patching (LHP) and Right Hand Patching (RHP).
- The FACT frames can be mounted on the floor, free standing, against a wall, side-to-side or back-to-back. For larger lineups, multiple frames can be deployed side by side.
- Each cross-connect frame can house up to 2644 LC connections. Engineered bend control during routing maintains superior optical performance and easy access to cables, pigtails and jumpers during installation, operation, maintenance and upgrades.
- Cable attachment plates are incorporated into the side ducts.

Warnings and caution

- Fiber optic cables may be damaged if bent or curved to a radius that is less than the recommended minimum bend radius. Always observe the recommended bend radius limit when installing fiber optic cables and patch cords.
- Exposure to laser radiation can seriously damage the retina of the eye. Do not look into the ends of any optical

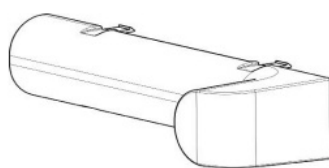fiber. Do not assume the laser power is turned off or that the fiber is disconnected at the other end.
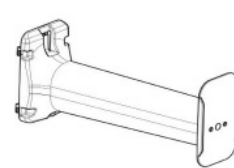
Kit Content
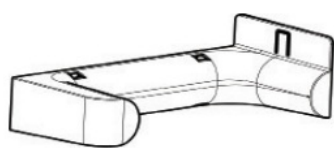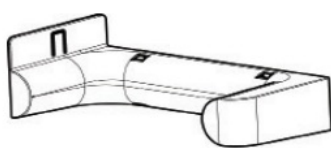
3x Collector Left	**2x** Collector Right	**5x** Collector Edge	**7x** Drum
4x Connection Plate	**2x** Wall Plate	**52x** M6 Bolt+Washer	**4x** M10 Bolt+Washer

1x Side Duct 150

1x Side Duct 300

1x Back Plate CC

1x Floor Template

2x Frame Center

1x Bottom Feet Spacer

1x Bottom Trough

1x Bottom Entry Guide

1x Bottom Entry Block Off

1x Collector Plate
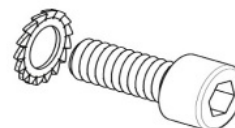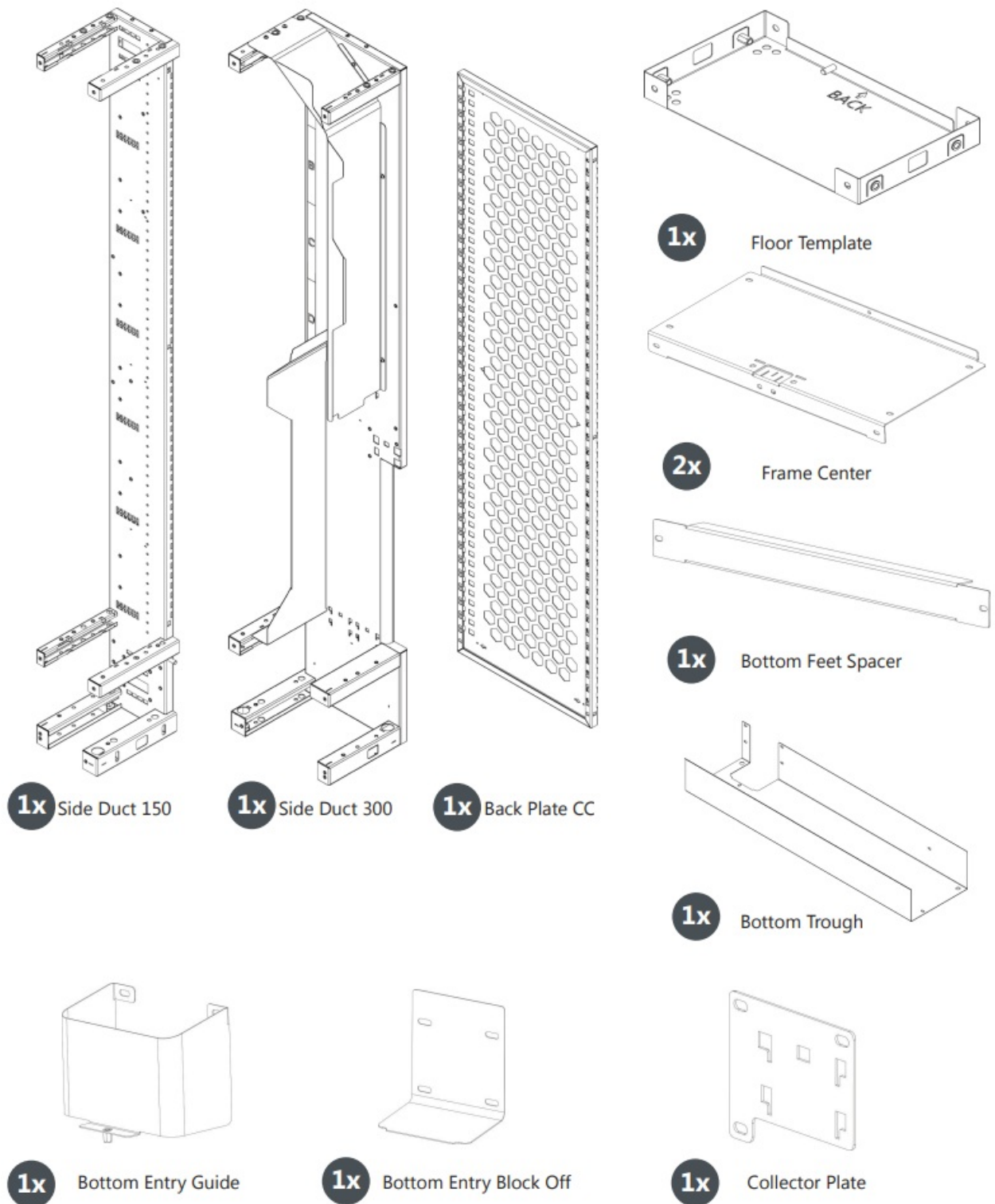
Frame Assembly

1. **Step** 1 Align the 2 ducts and backplate on the floor as illustrated. Slide both side ducts against the backplate.
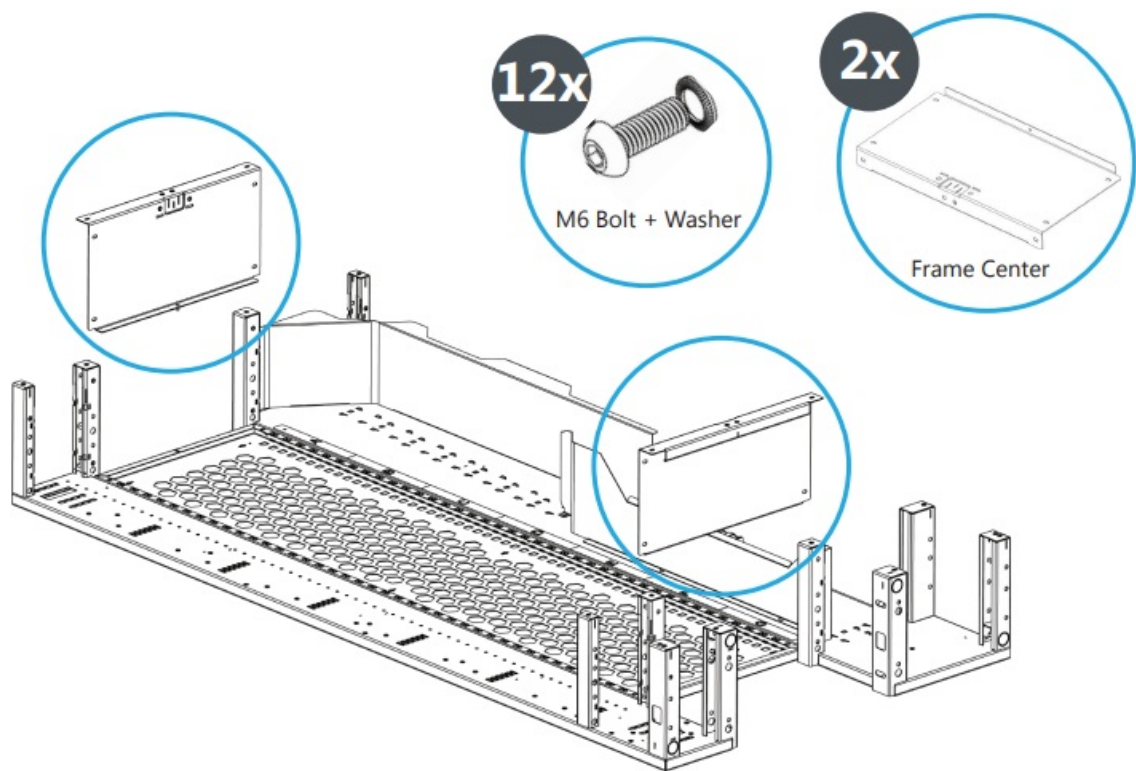
Top

Bottom
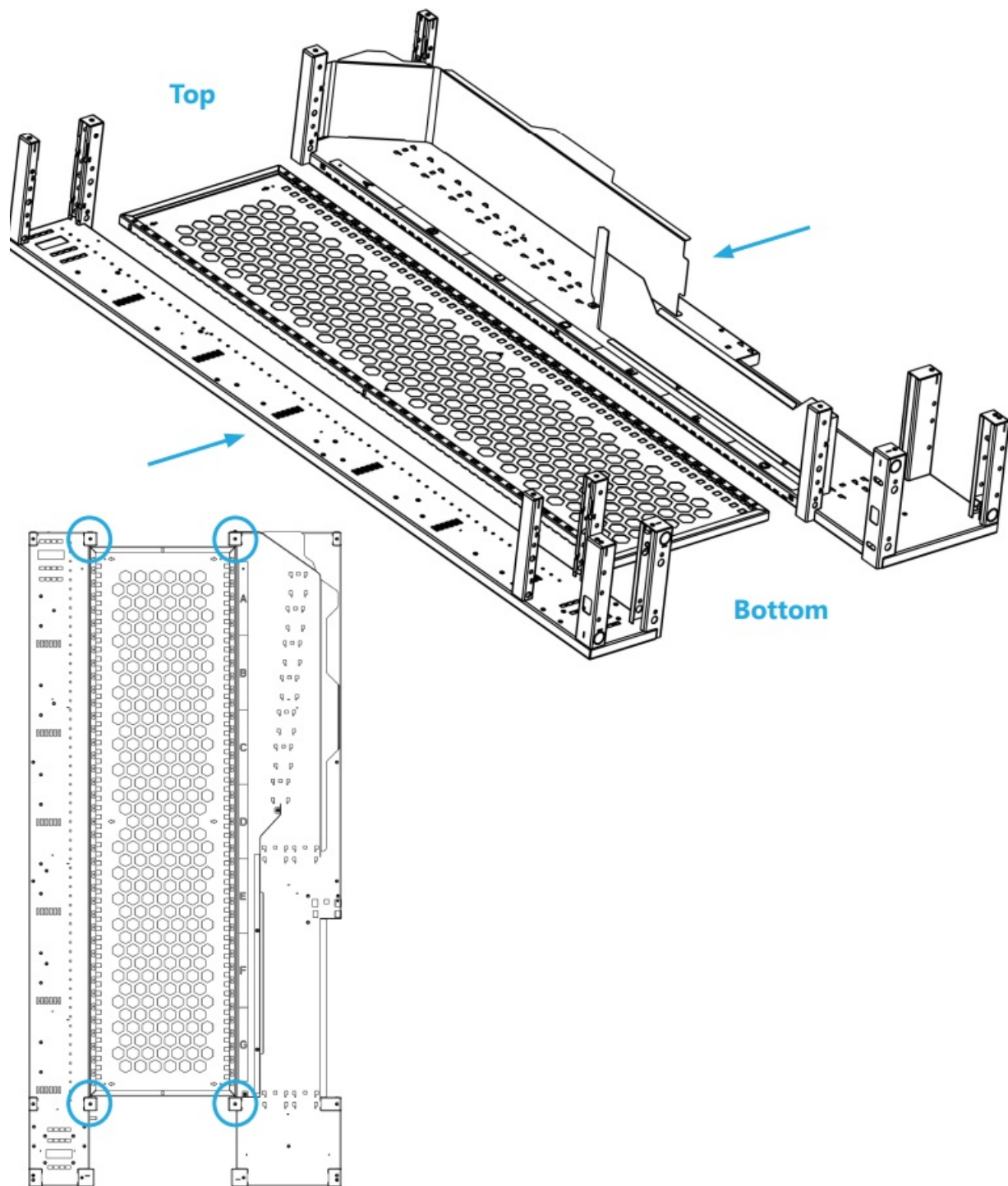
2. **Step 2:** Join the backplate to the side ducts with 6 M6 bolts + washers. !Start with the 2 middle bolts.
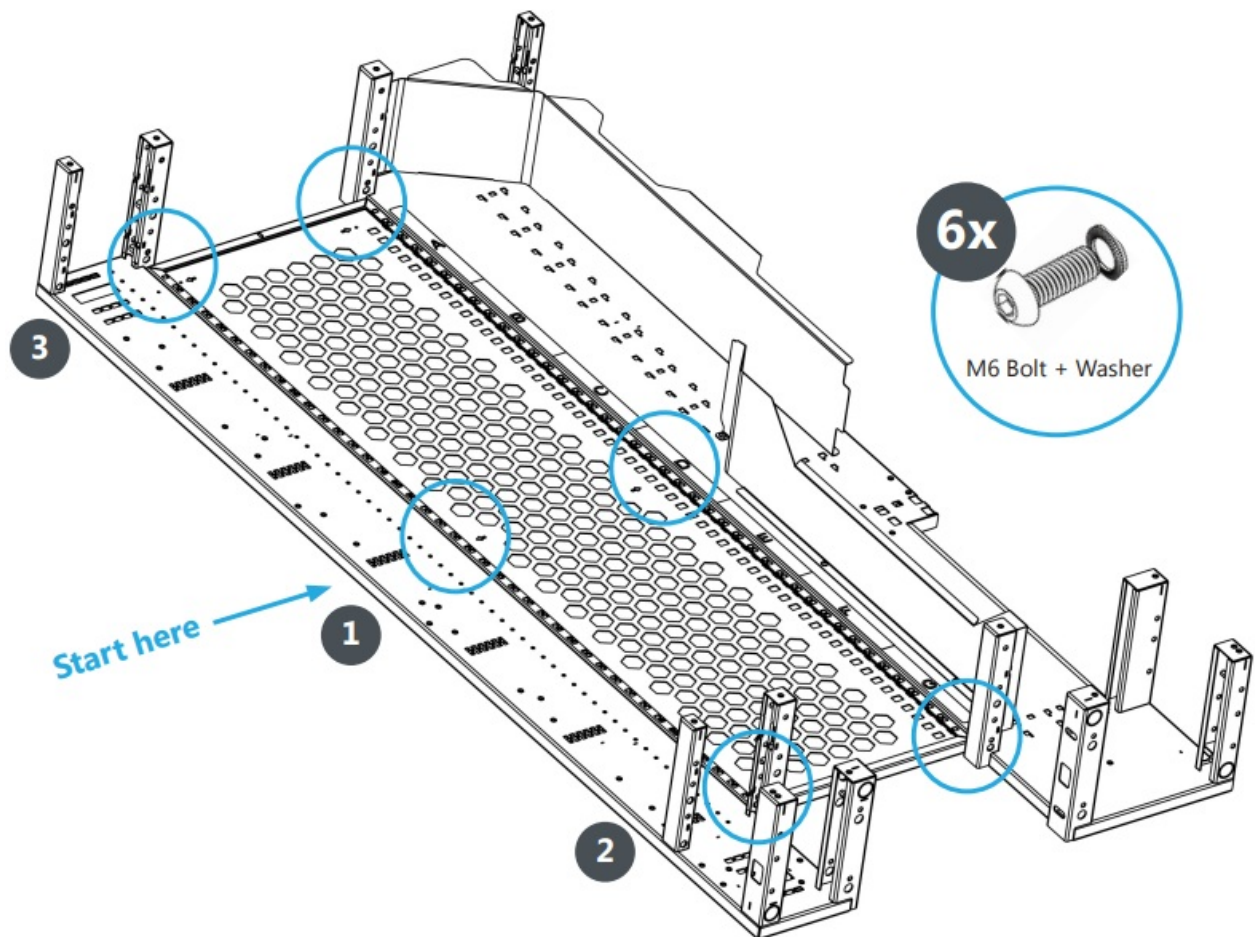
- Make sure that the side ducts and backplate are aligned.
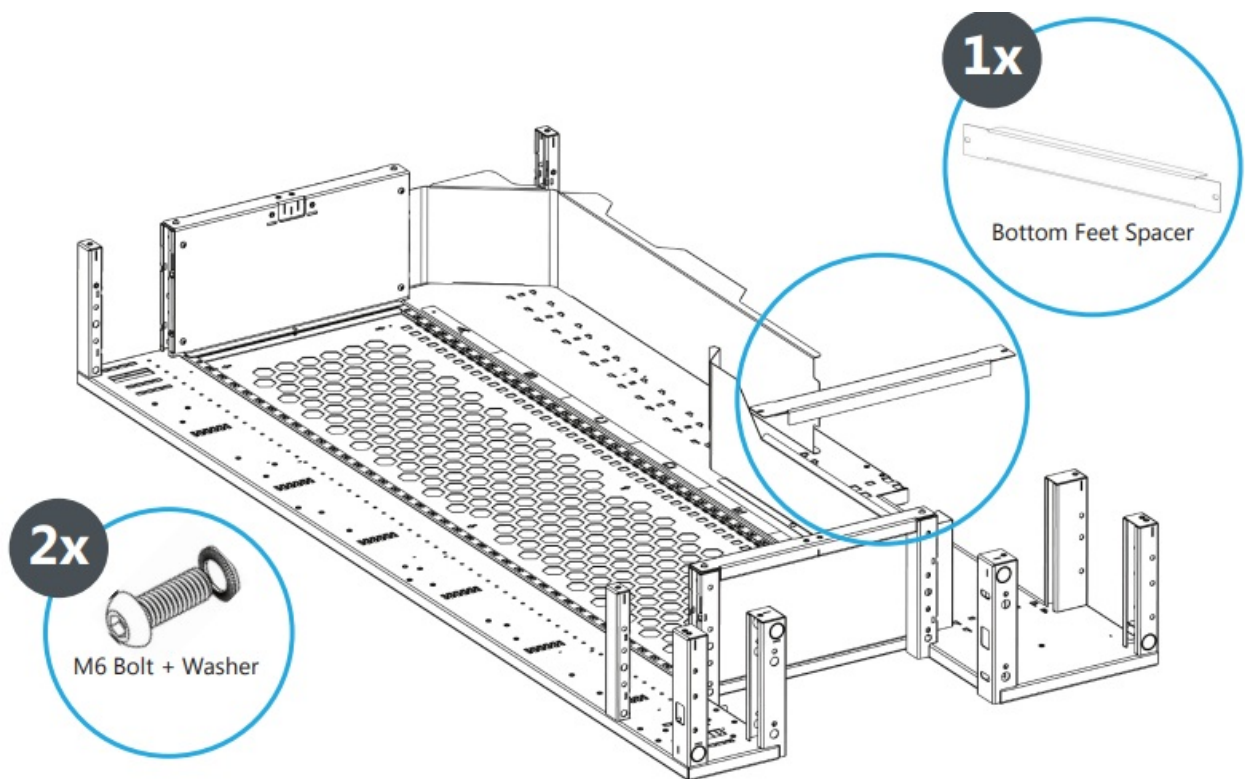- Positions for the bolts are indicated on the backplate with an arrow.
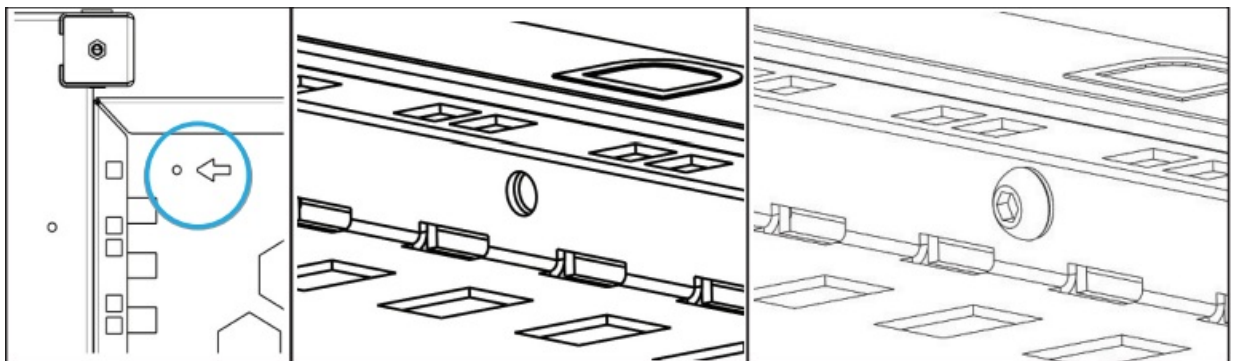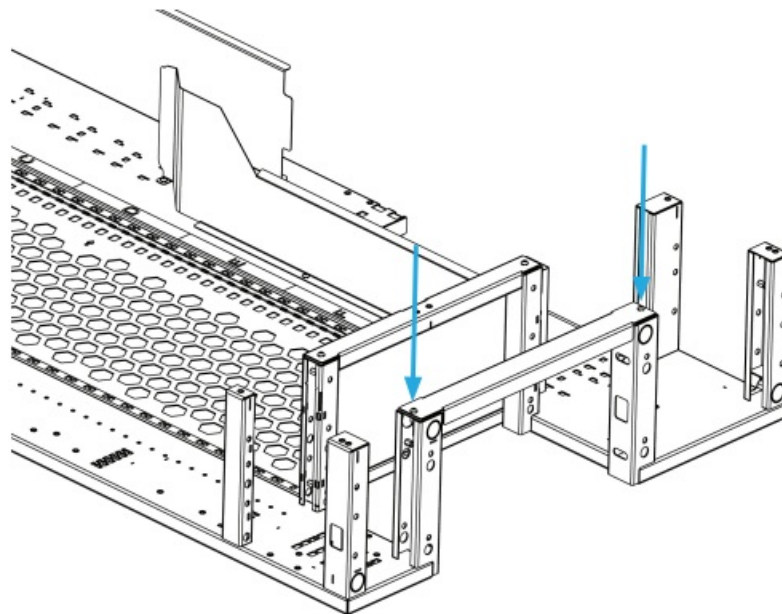

3. **Step 3**

- **Step 3a:** Mount 2 Frame Centers (6 bolts+serrated washers/center). Use the alignment feature first (circled).
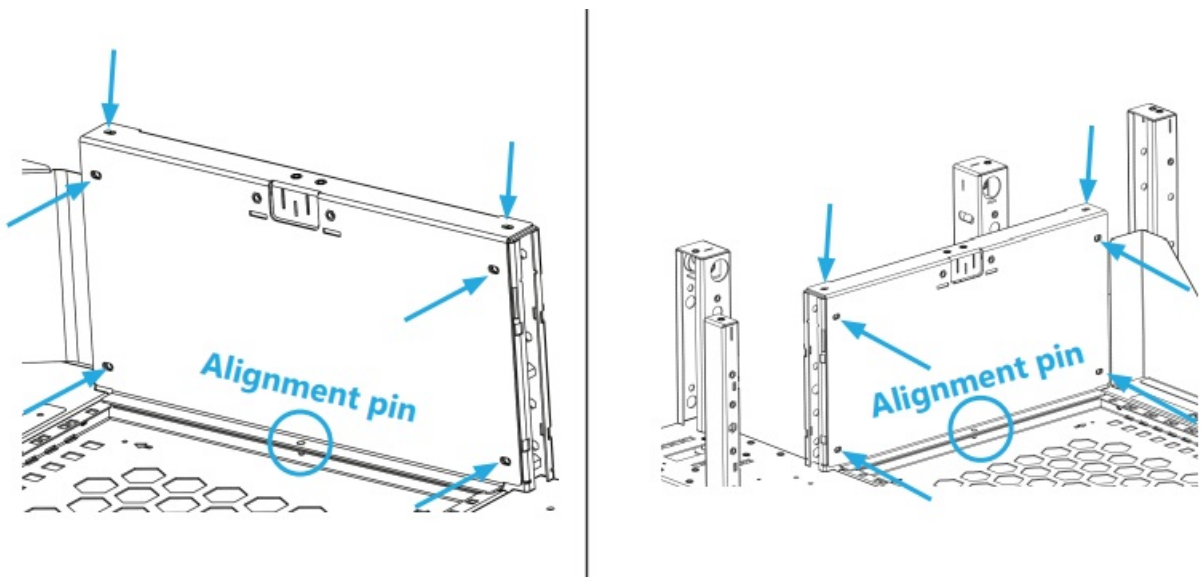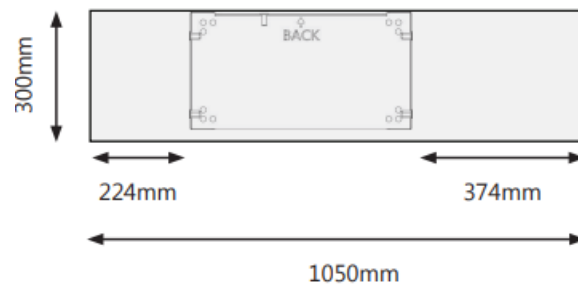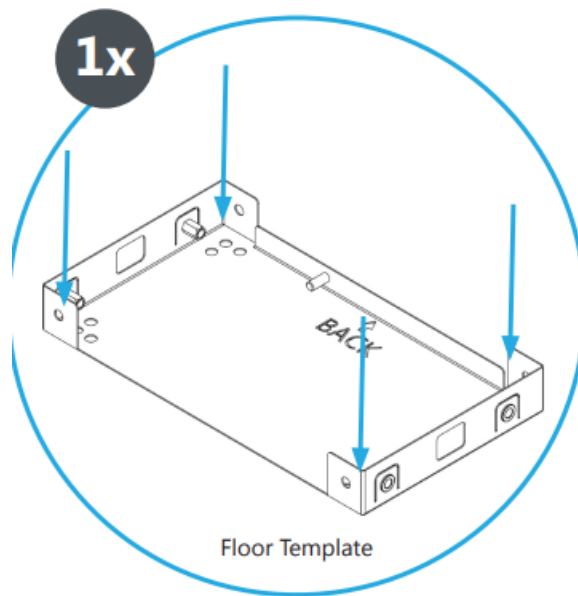

Alignment pin

Alignment pin
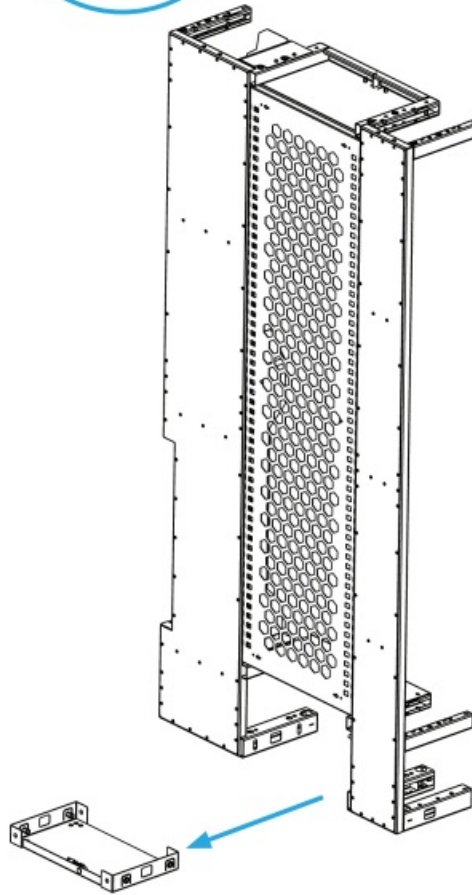
- **Step 3b:** Mount the bottom feet spacer (2 bolts + serrated washers).

4. **Step 4**

Floor Template

300mm

224mm   374mm

1050mm

- **Step 4a:** Place the floor template and bolt it to the floor, but don't tighten it yet.
- The bolts that are used to mount the floor template are not included.

- **Step 4b:** Lift the frame and slide it over the floor template
- It requires 2 installers as it is a heavy frame.

5. **Step 5**

   - **Step 5a:** Level the frame before bolting it to the floor template.
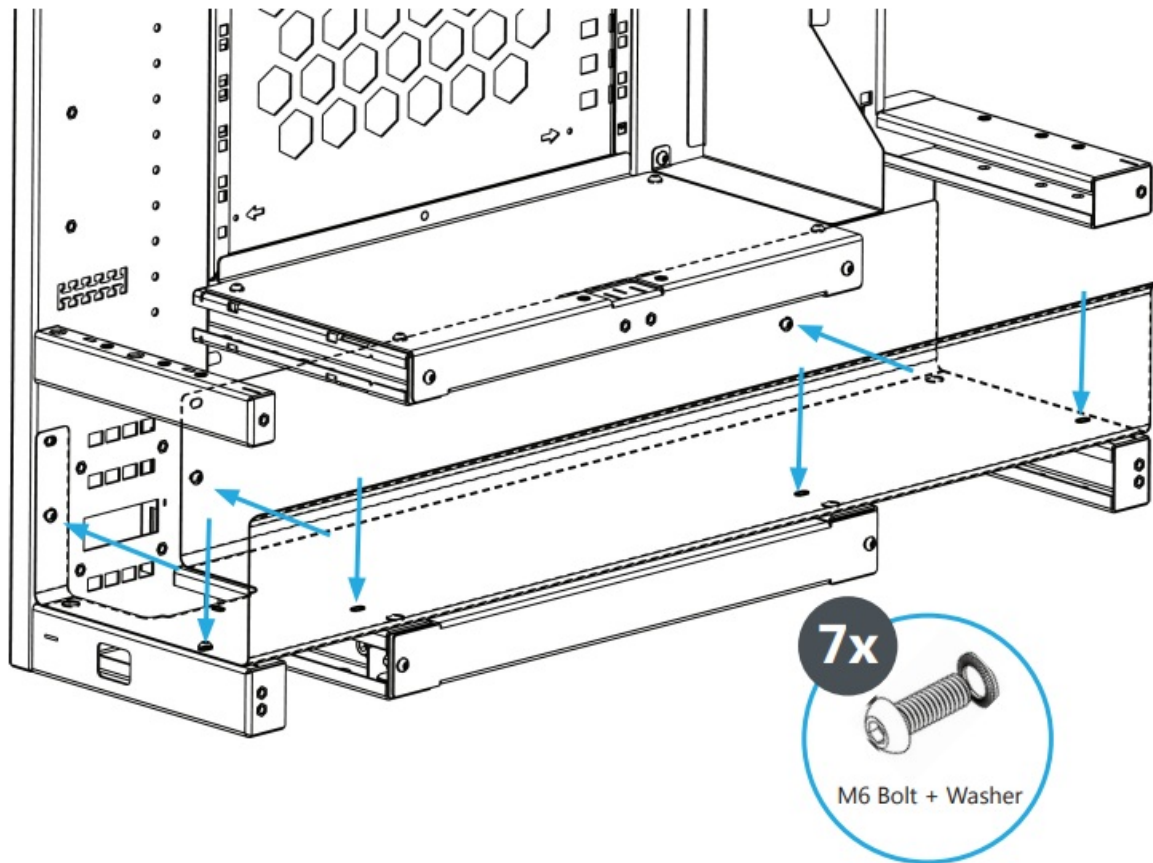   - There are 4 leveling feet that can be adjusted.

- **Step 5b:** Bolt the frame to the template using 4x M10 bolts + serrated washers.
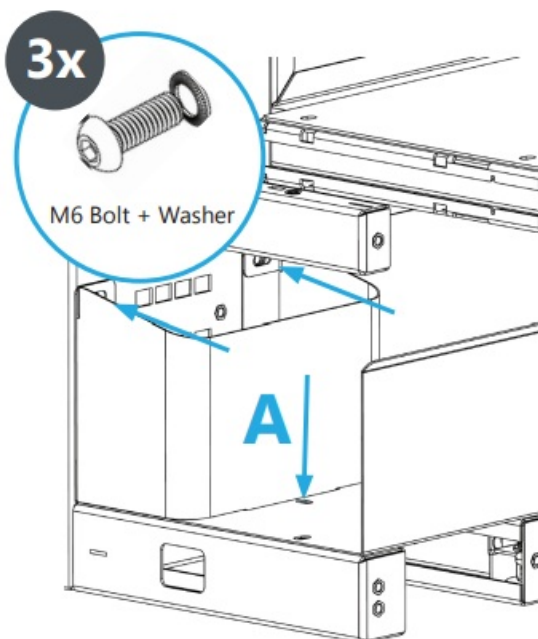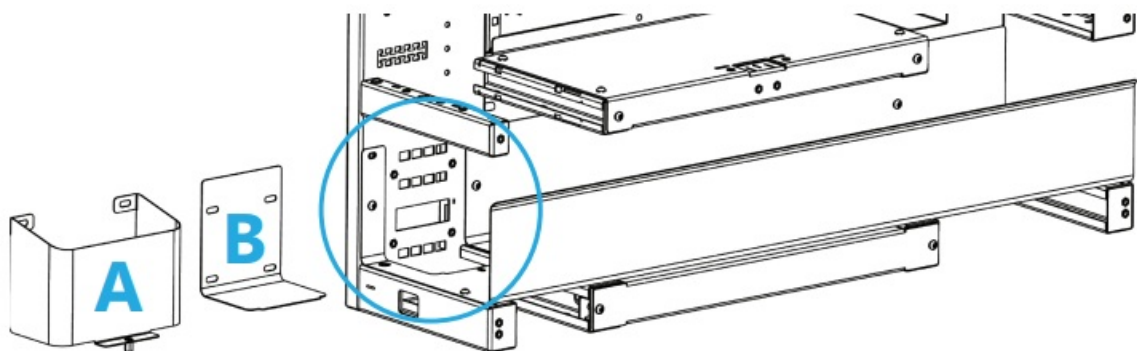

4x
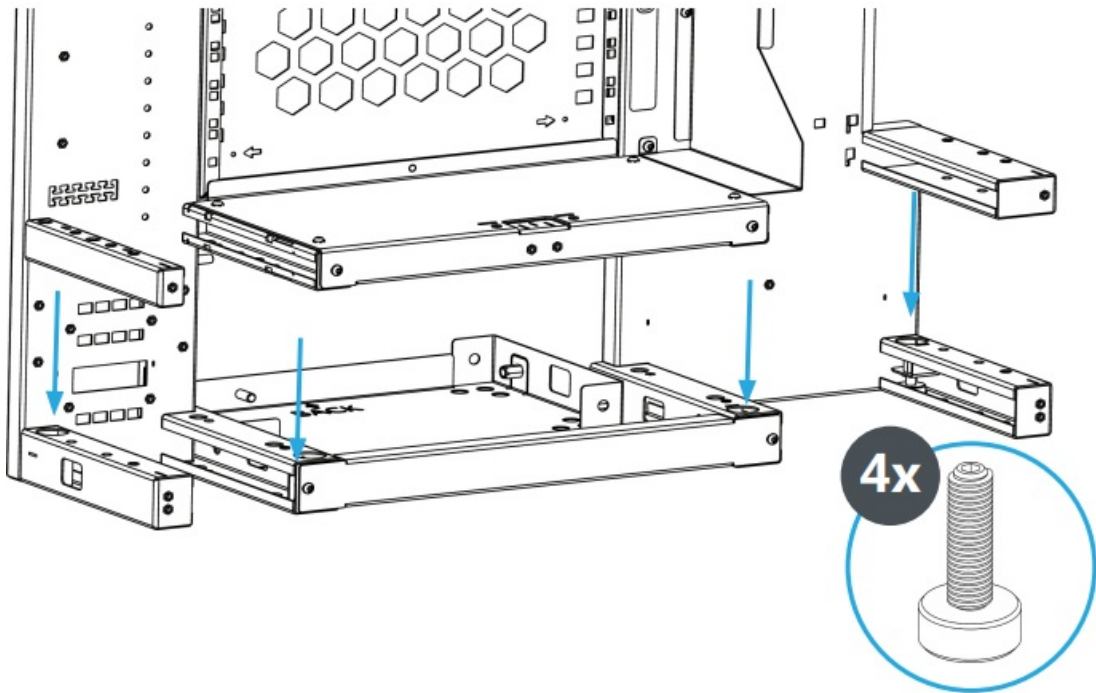
M10 Bolt+Washer
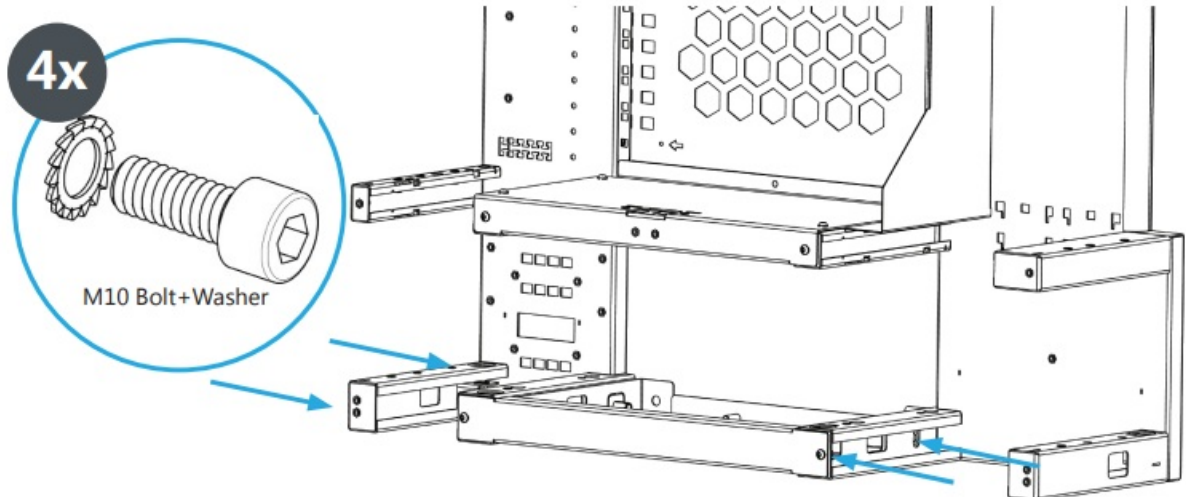
- **Bottom-Through Assembly**

6. **Step 6:** Mount the bottom through, using 7x M6 bolts + serrated washers.

7x M6 Bolt + Washer

7. **Step 7:** Select and mount the bottom through plate.
   - **A"** if cables are entering the frame from the bottom.
   - **B"** if no cables are entering the frame from the bottom (full bottom through depth is used).

3x M6 Bolt + Washer

6x M6 Bolt + Washer
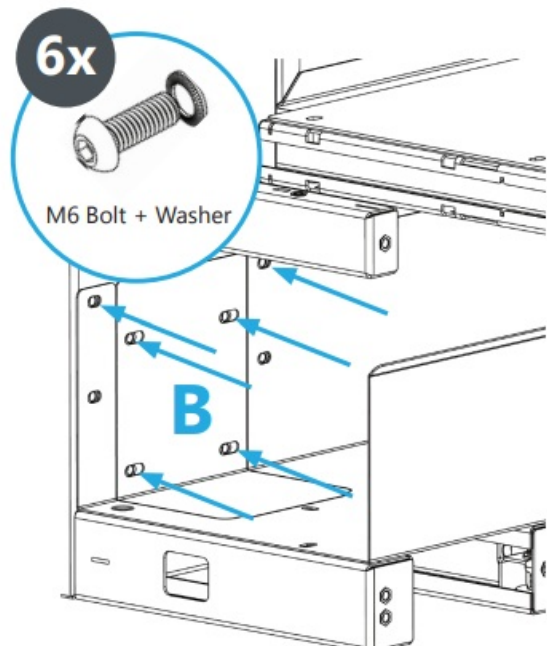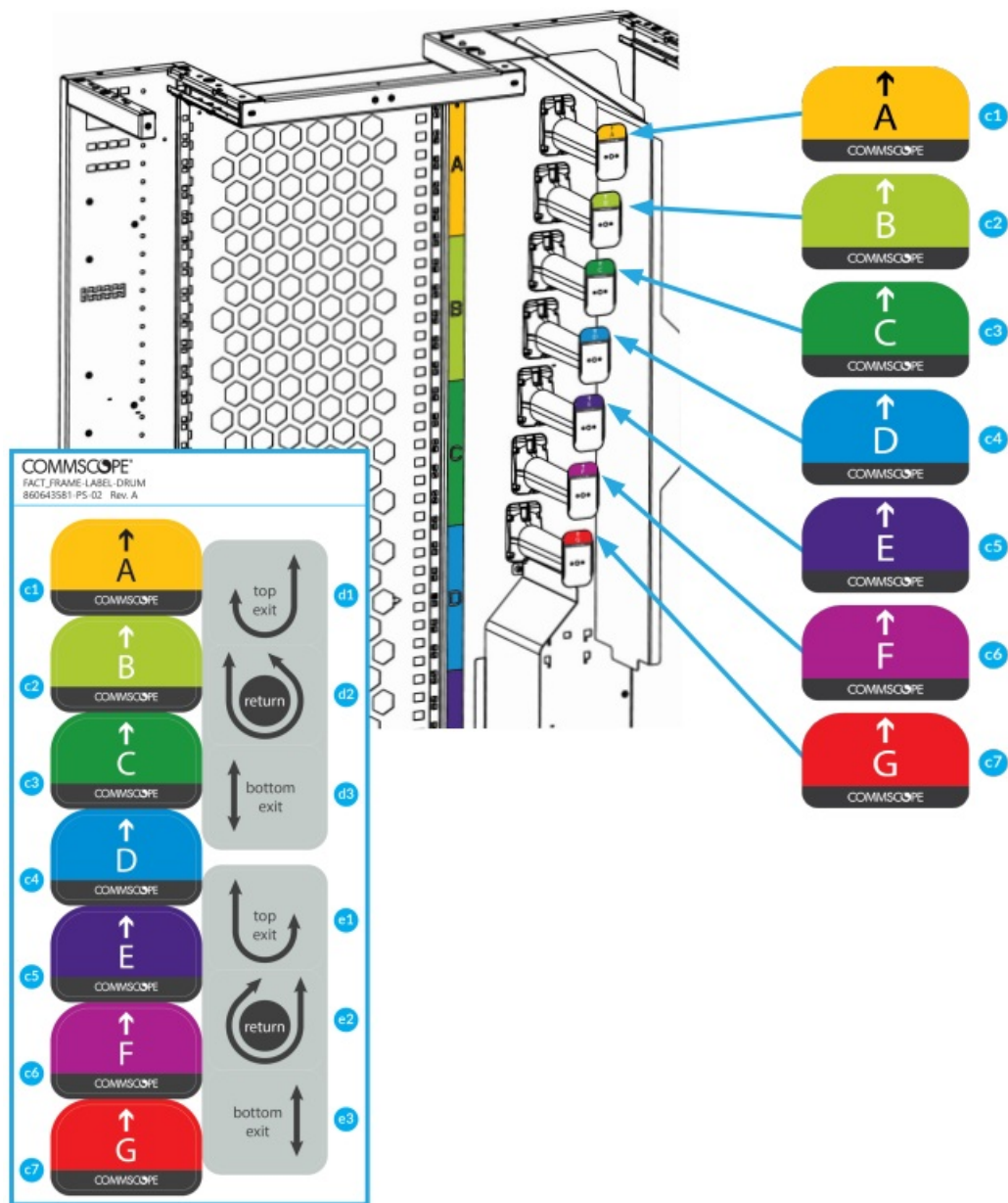
- **Routing Parts Assembly**

8. **Step 8:**
   - **To mount a drum:** Push the drum through the openings (pattern).
   - Slide down the drum until it's fully "clicked".
   - **To release a drum:** Pull back the snap hook (as indicated with the arrow) and lift the drum out.
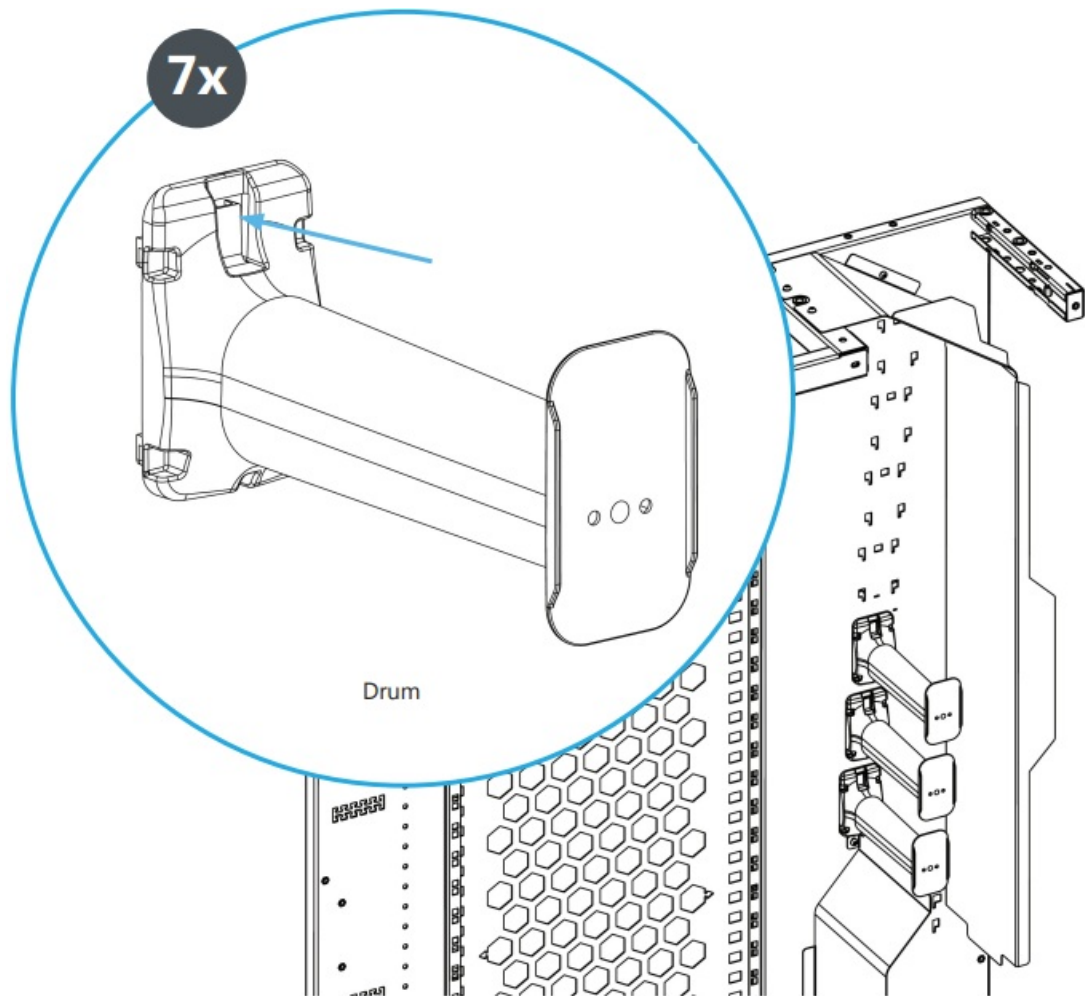

Drum

   - **Frame Labeling**
9. **Step 9:** Place the drum labels (A->G) according to the colorcoding sequence at the backside of the frame.

10. **Step 10:** Mount the collector plate (adjustable for side-to-side alignment).

   - **Mount the jumper collectors:** Push the collectors through the openings (pattern).
   - Slide down the collector until it's fully "clicked".
   - One "collector left" has to be mounted on the collector plate.
   - **To release a collector:** Pull back the snap hook (as indicated with the arrow "A") and lift the collector out.

3x M6 Bolt + Washer

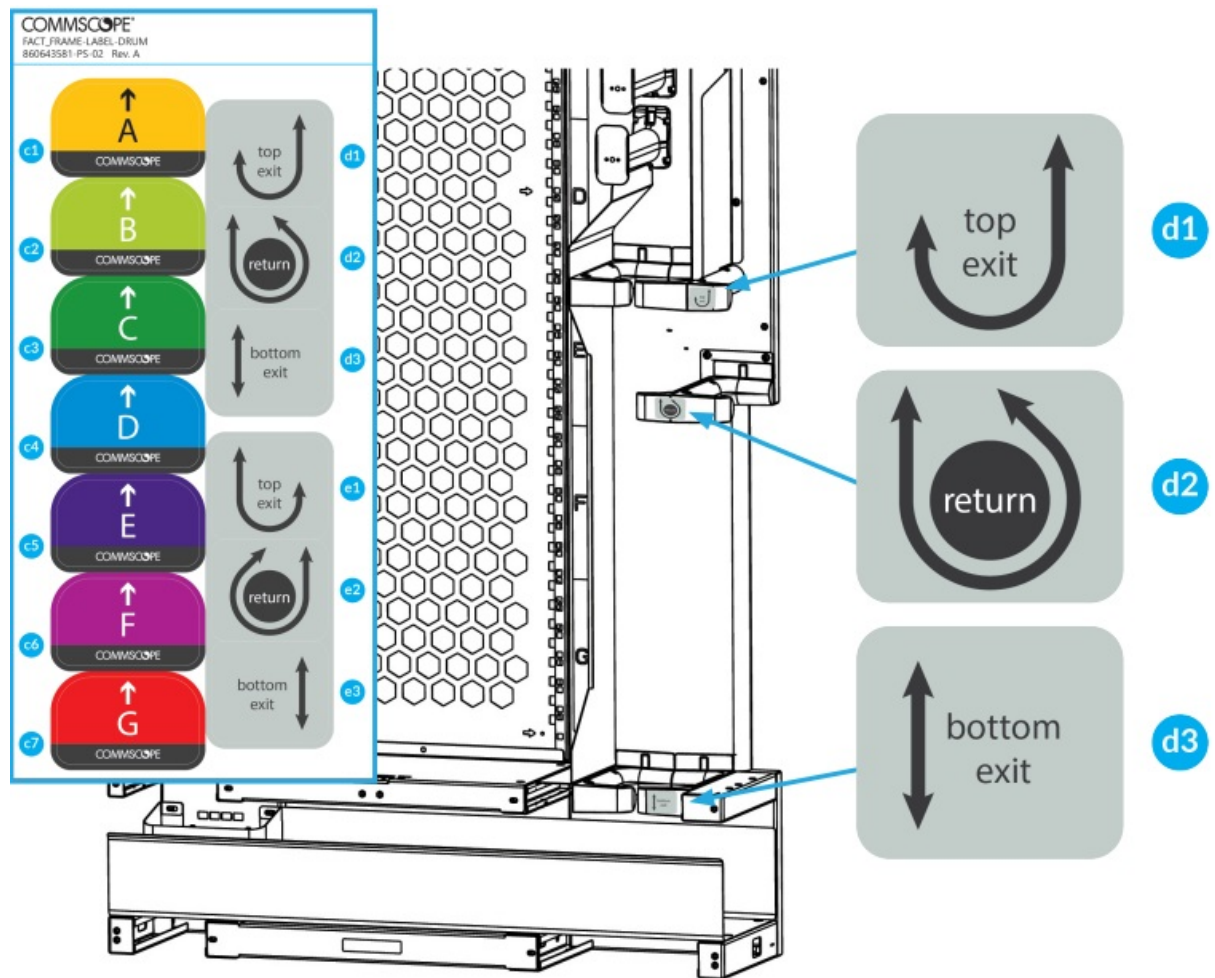1x Collector Plate

2x

3x A   A   5x
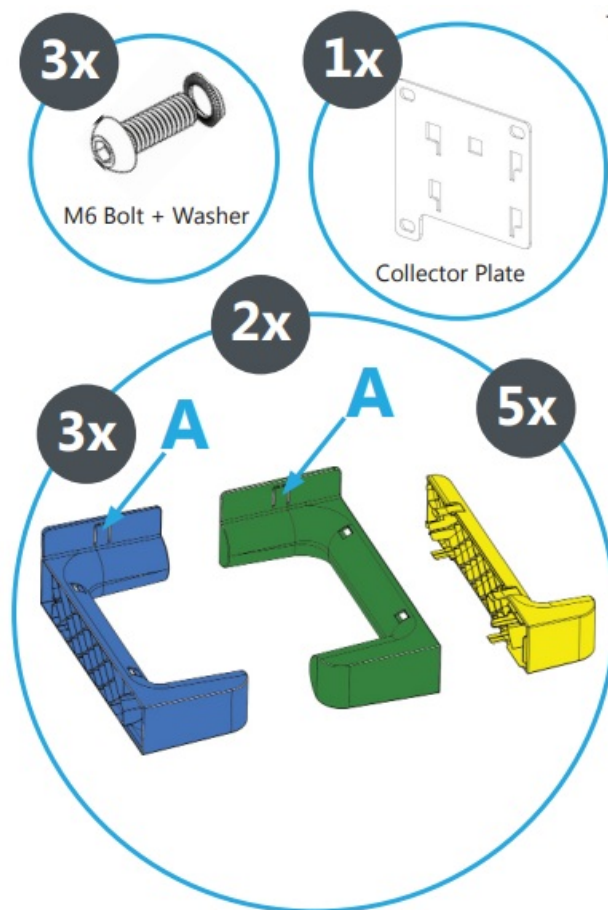
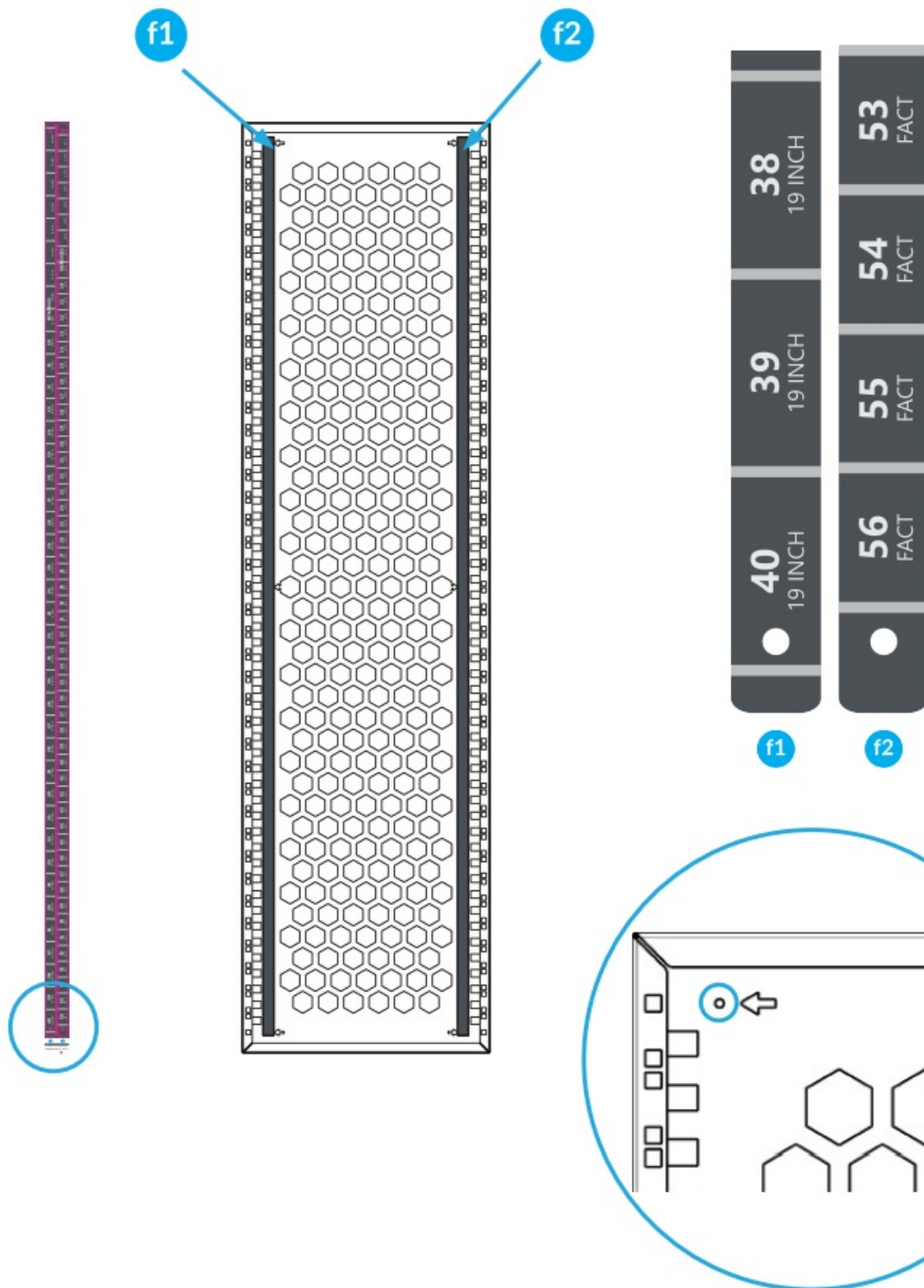These are optional (only if jumpers enter from the top).
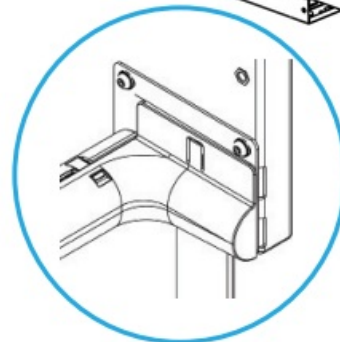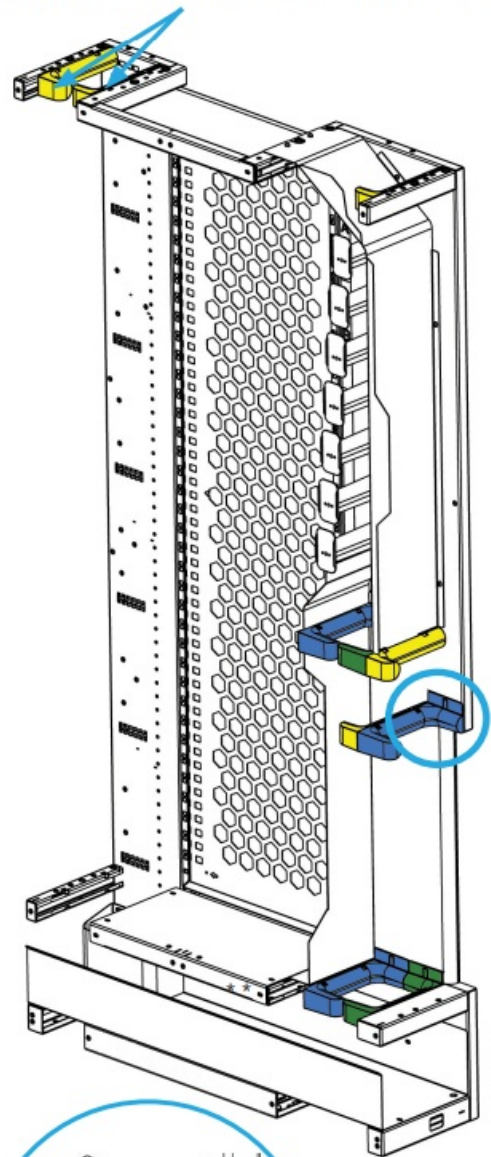
11. **Step 11:** Place the collector labels as illustrated.
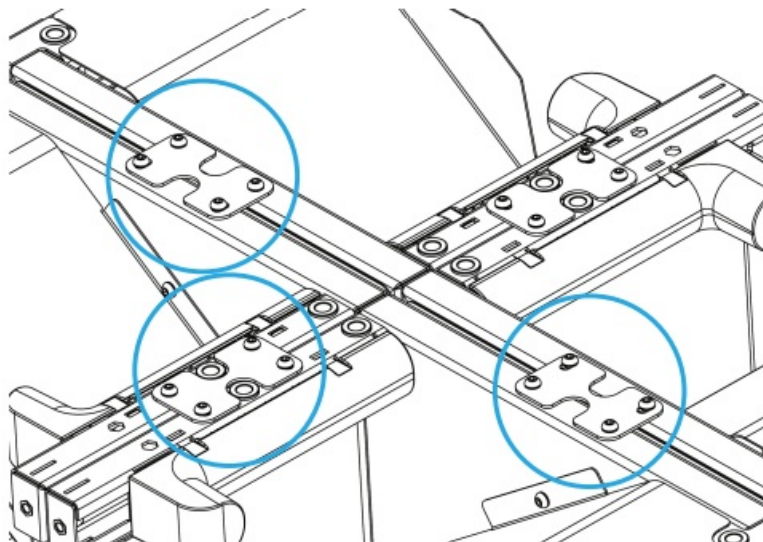- Do not use e1 – e2 – e3.

12. **Step 12 (optional):**
    - Place number labels (orientation according to preference).

- **f1:** 19" numbering
- **f2:** FACT numbering
- Use alignment holes for proper alignment of the labels.
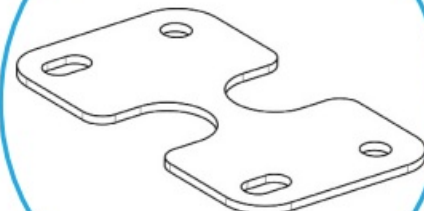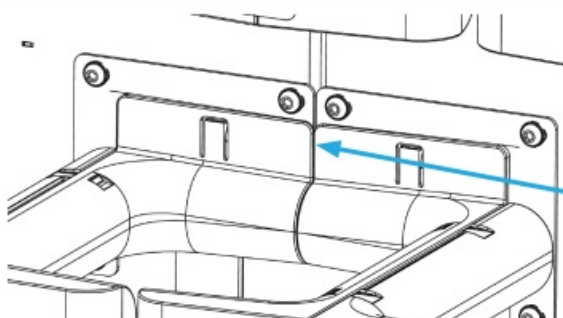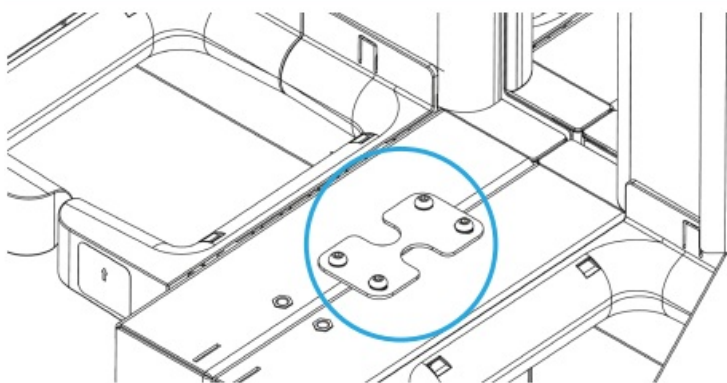
Side To side Mount Back To Back Mount
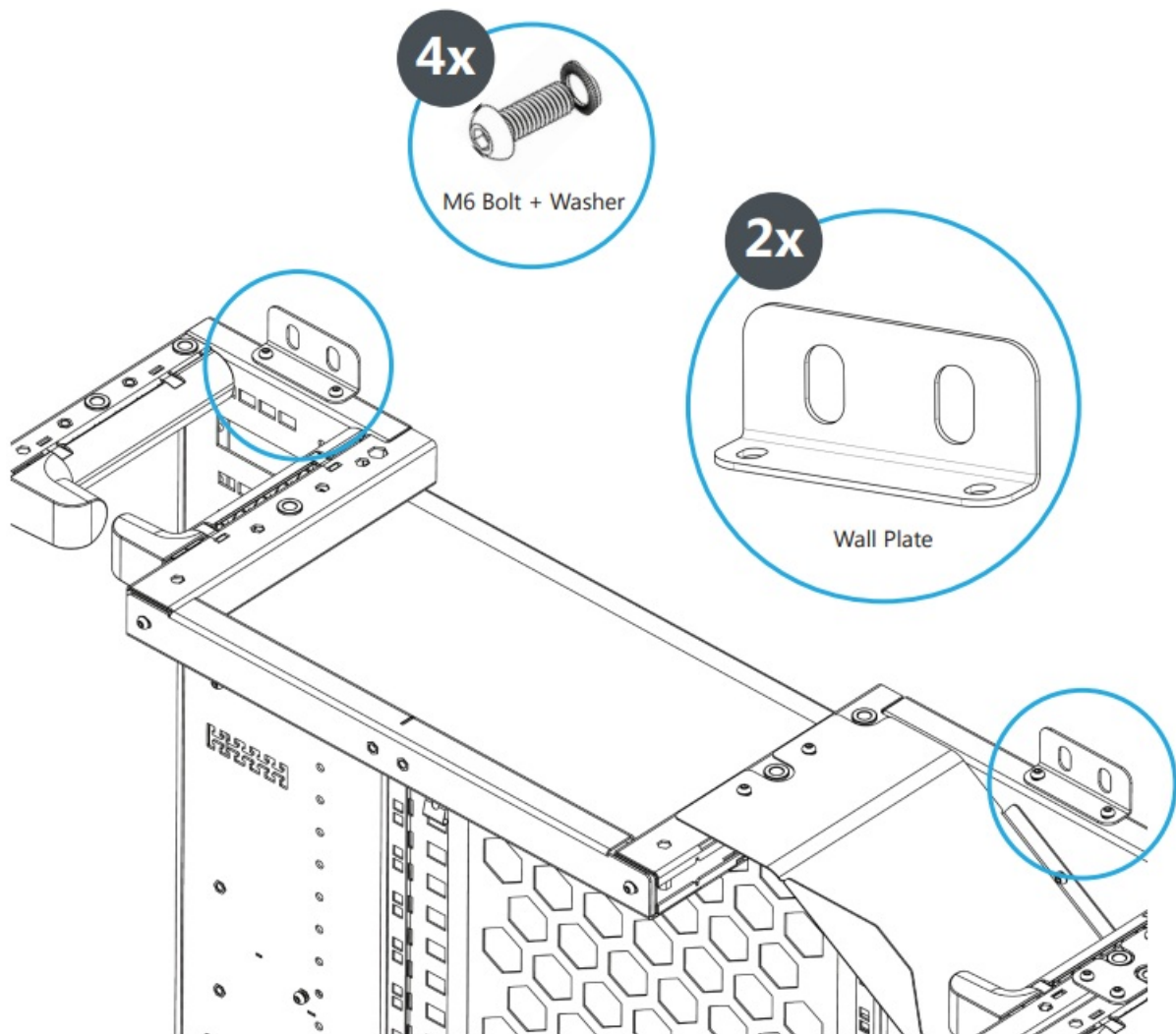
16x

M6 Bolt + Washer

4x

Connection Plate

!Don't forget to align the collector plates (so there is no gap between these plates!).

Wall Mount

Trade-marks

- All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope, Inc.
- This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to CommScope products or services.
- CommScope is committed to the highest standards of business integrity and environmental sustainability, with many CommScope facilities across the globe certified under international standards, including ISO 9001, TL 9000, and ISO 14001.
- Further information regarding CommScope's commitment can be found at **www.commscope.com/About-Us/Corporate-Responsibilityand-Sustainability**.
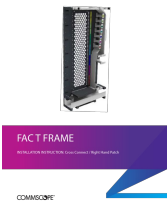
Contact Information

- Visit our website or contact your local CommScope representative for more information.
- For technical assistance, customer service, or to report any missing/damaged parts, visit us at: **http://www.commscope.com/SupportCenter**
- This product is covered by one or more U.S. patents or their foreign equivalents. For patents, see **www.commscope.com/ProductPatent/ProductPatent.aspx**
- **© 2019 Commscope, Inc. All Rights Reserved**

Frequently Asked Questions

- **Q: What should I do if the frame does not align properly during assembly?**
  - **A:** Check the alignment of the side ducts and backplate and ensure that all bolts are securely fastened.
- **Q: Can I assemble the frame alone?**
  - **A:** It is recommended to have two installers for lifting and aligning the heavy frame during assembly.
- **Q: Are all necessary bolts included in the kit content?**
  - **A:** The kit includes most of the bolts needed for assembly, but some bolts for specific components may need to be provided separately.

Documents / Resources

COMMSCOPE FACT Frame Cross Connect RHP [pdf] Installation Guide
TC-40147-IP-EN Rev B, 860647160 Rev. B, FACT Frame Cross Connect RHP, FACT, Frame Cross Connect RHP, Cross Connect RHP, Connect RHP

References

- **Support options from CommScope**
- **User Manual**