

MEKA INSTALLATION INSTRUCTIONS

EXTENSIONS, SUPPORTS AND COVERINGS FOR
CABLE LADDERS, CABLE TRAYS, WIRE MESH
TRAYS AND LIGHTING SUPPORT RAILS



Version 1.3

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The information in this publication is intended to present and illustrate generally acceptable installation methods for MEKA® cable management systems. These guidelines and information do not intend to cover all details or variations in each cable support system nor provide for every possible installation contingency. This publication does neither intend to replace the responsibility of the contractor and installer to acquire knowledge of and apply the valid laws, rules, regulations, and standards on electrical and cable support system installations in each individual project and site. The installation method shall always be finally approved by the construction site supervisor and relevant authorities.

General Safety Information

Take note of the following regarding cable management system installation:

1. Cable trays and ladders are intended to support cables only.
2. Cable ladders or trays are not allowed to be used as ladders or walkways. It is forbidden to attach safety harnesses or similar equipment to cable support products.
3. In installing cable management system, consider the load bearing capacities of each part as well as the strength of the fastening and surface materials. Do not exceed the manufacturer-specified maximum load.

Plastic components are not intended to be used as a load-bearing elements (supports and brackets) if not otherwise stated in instructions on installation.
4. Cable management systems shall always be installed by qualified persons familiar with standard electrical construction practices, electrical equipment and safety of electrical wiring systems to ensure safe and proper installations according to applicable standards, local laws, rules, and regulations.
5. Follow the manufacturer's instructions on installation and usage.
6. Impact wrenches or other impact tools shall not be used for tightening bolts to prevent overtightening and to ensure the products' corrosion resistance.
7. Products must be stored and handled appropriately.
8. In MEKA® and unipro® systems shall only be used products intended to be used in the MEKA® and unipro® systems.
9. Make sure that mounting accessories and mounting surface meet the required strength requirements.
10. The maximum allowed (max.) load [kg] is the largest allowed load for the product in question. Verify the maximum allowed loads of each

product in their product data sheets. The manufacturer assumes no liability for wrong product choices or for direct or indirect damage resulting from incorrect use.

General installation instructions

Cable management system shall be performed in a manner that the load does not exceed the manufacturer's specified maximum load, or deflection of each cable ladder/tray span does not exceed 1/100th of the span. In practice, a bend of 1/100 means that with, for example, a three-meter span, the deflection may not exceed 30 mm. When calculating the deflection, include roughly 50% of the existing load as additional allowance.

Sufficient gap for heat expansion shall be left between cable ladders and cable trays as well as at their ends. Steel's coefficient of heat expansion is 0.000012m/°C. Following formula can be used to calculate the heat expansion: change in temperature x 0.000012 x length. If, for instance, the length of your tray system is 100 m and the temperature changed by 40 °C, the change in length is 40 x 0.000012 x 100 = 0.048 m, i.e. 48 mm.

The load bearing capacity of the brackets as well as the strength of the mounting accessories and surface materials in cable ladder and cable tray installations shall be considered.

In installation sites where vertical cable ladders are prone to mechanical damage, the ladders shall be protected with a cover of 1.5m in height.

Installation accessories

Installation accessories that are placed on cable ladders or cable trays, such as junction boxes, must be securely attached and in a manner that the accessories are not located in the area intended for cables. MEKA® mounting plates are recommended to be used, when needed.

Use of high-current cable systems

High-current cables can be installed to KS80 and KSF80 cable ladders when using cable clamps intended for that purpose.

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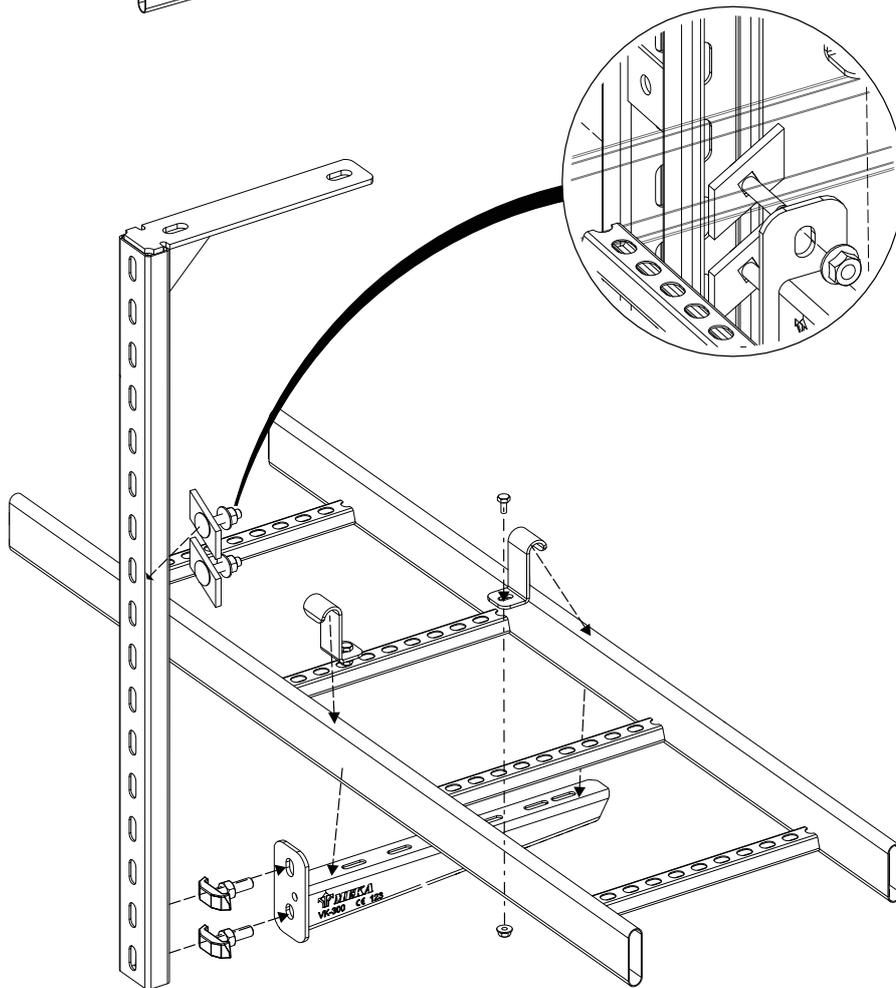
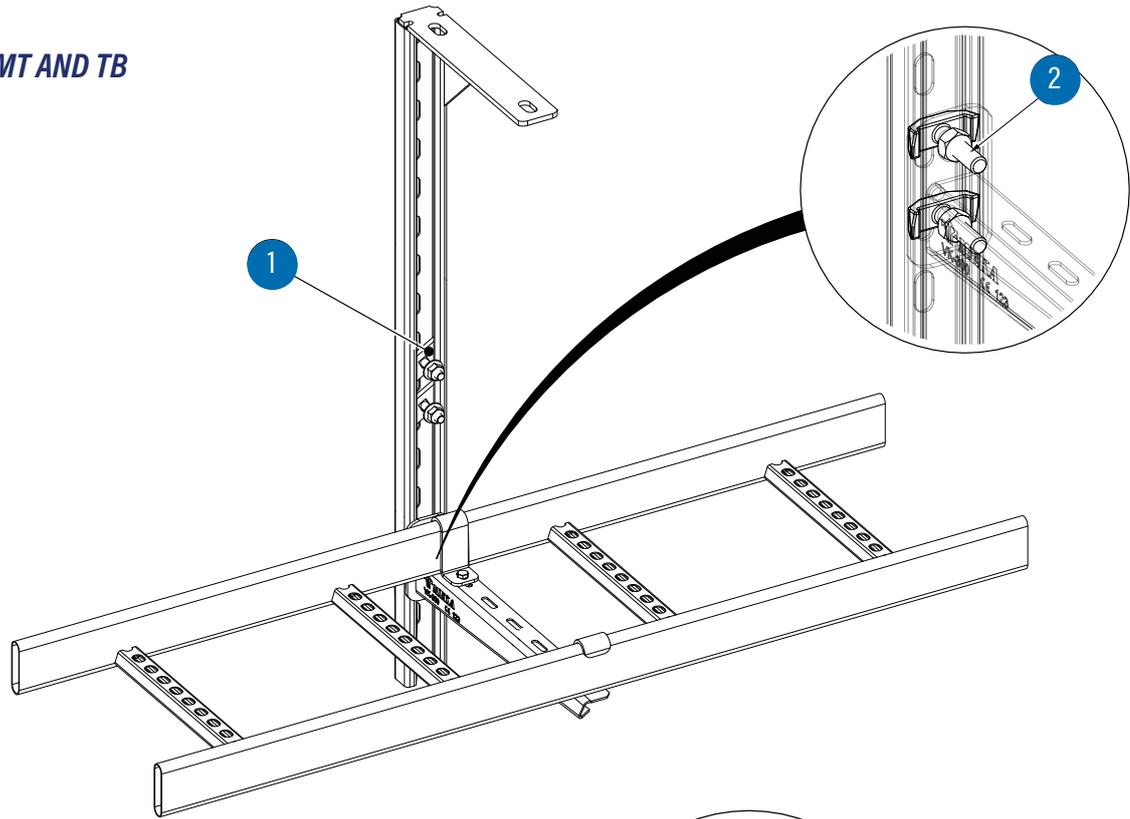
UP-TO-DATE AND COMPREHENSIVE PRODUCT INFORMATION, TEST RESULTS AND EXAMPLE INSTALLATIONS ARE AVAILABLE ON OUR WEBSITE.

WWW.MEKA.EU

SPECIAL CASES



SUPPORTS SLIDING NUTS SMT AND TB



| NO | PRODUCT | | PCS |
|----|-------------|-----|-----|
| 1 | Sliding nut | SMT | 2 |
| 2 | Sliding nut | TB | 2 |

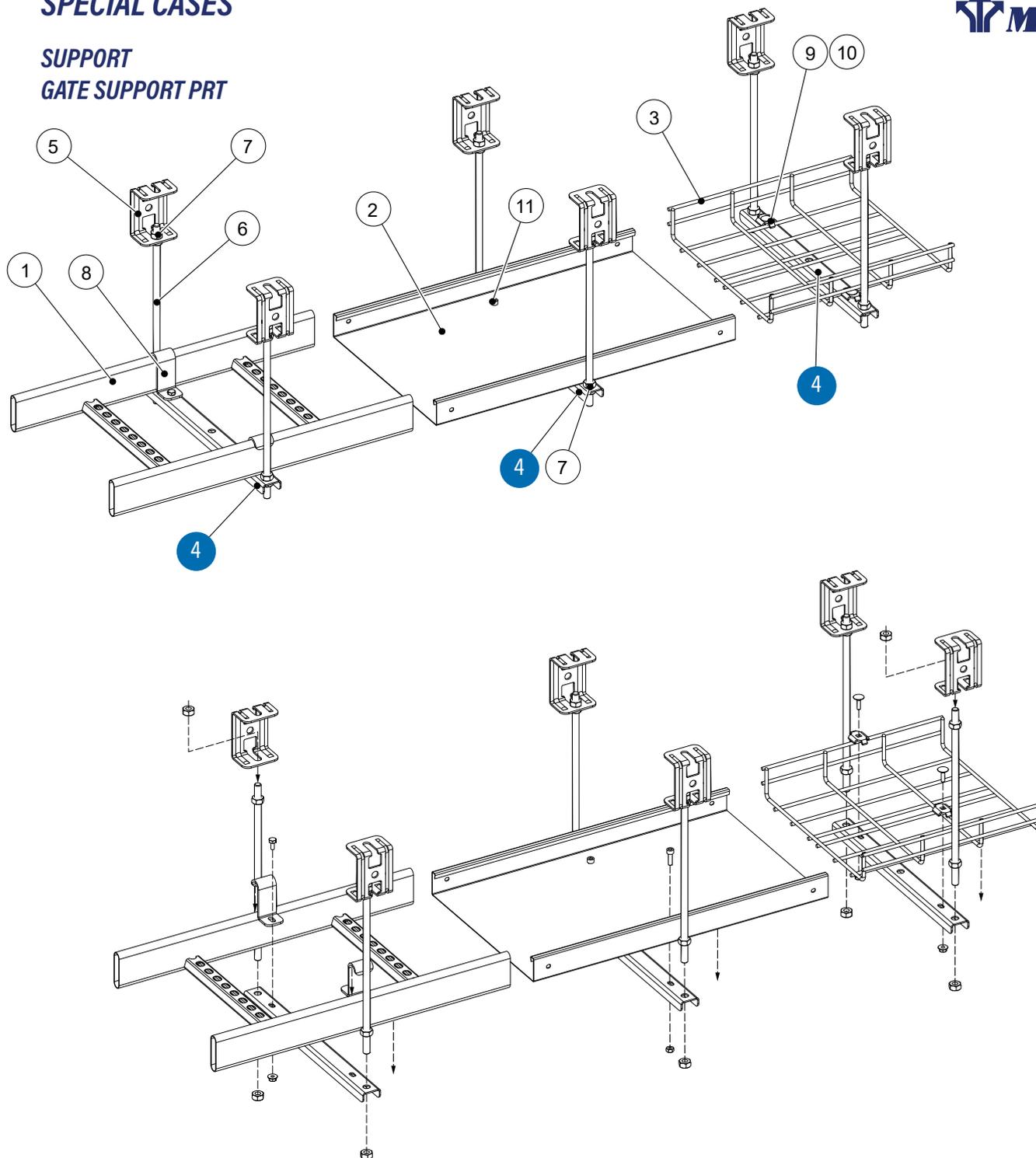
Supports: Sliding nuts SMT and TB

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SPECIAL CASES



SUPPORT GATE SUPPORT PRT



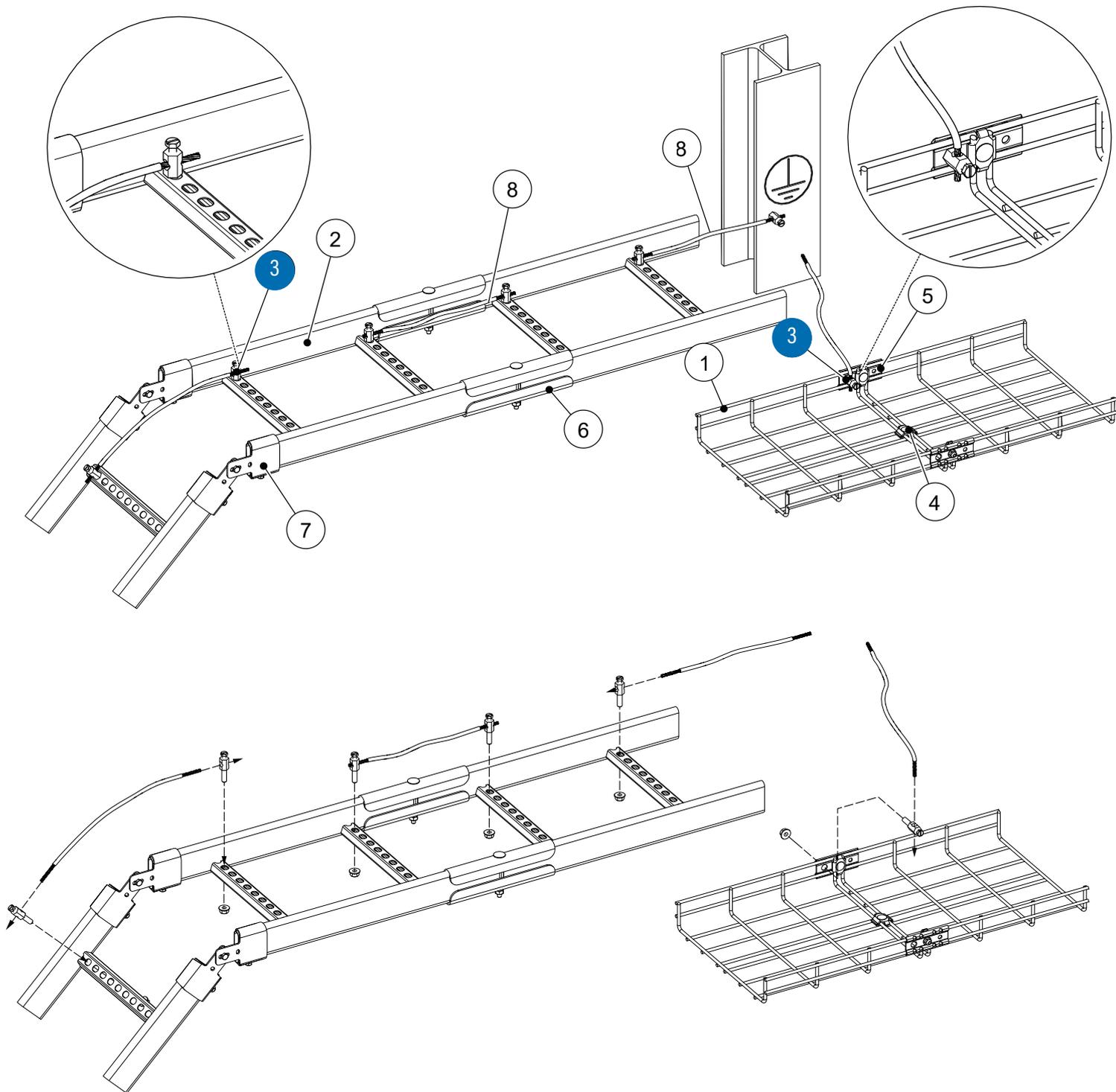
NO PRODUCT PCS

| NO | PRODUCT | | PCS |
|----|-----------------|------------|-----|
| 1 | Cable ladder | KS | 1 |
| 2 | Cable tray | KRA | 1 |
| 3 | Wire mesh tray | WMT | 1 |
| 4 | Gate support | PRT | 3 |
| 5 | Ceiling bracket | RTF-10 | 6 |
| 6 | Threaded rod | GT-10 | 6 |
| 7 | Nut | MU M10 | 24 |
| 8 | Bracket | KK | 2 |
| 9 | Connector plate | WMT-CL1 | 2 |
| 10 | Bolt set | RS4 | 2 |
| 11 | Screw and nut | M6x20 + M6 | 2 |

SPECIAL CASES



CROSS-SECTIONAL AREA INSTALLATIONS EARTHING TERMINAL PE

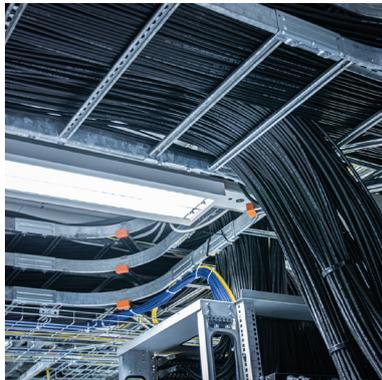


NO PRODUCT PCS

| | | | |
|---|-------------------|--------|---|
| 1 | Wire mesh tray | WMT | 2 |
| 2 | Cable ladder | KS | 3 |
| 3 | Earthing terminal | PE | 6 |
| 4 | Connector set | WMT CL | 1 |
| 5 | Connection set | WMT UC | 2 |
| 6 | Joint | SSU | 2 |
| 7 | Flexible joint | NL | 2 |
| 8 | Grounding wire | | 4 |

INSTALLATION INSTRUCTIONS

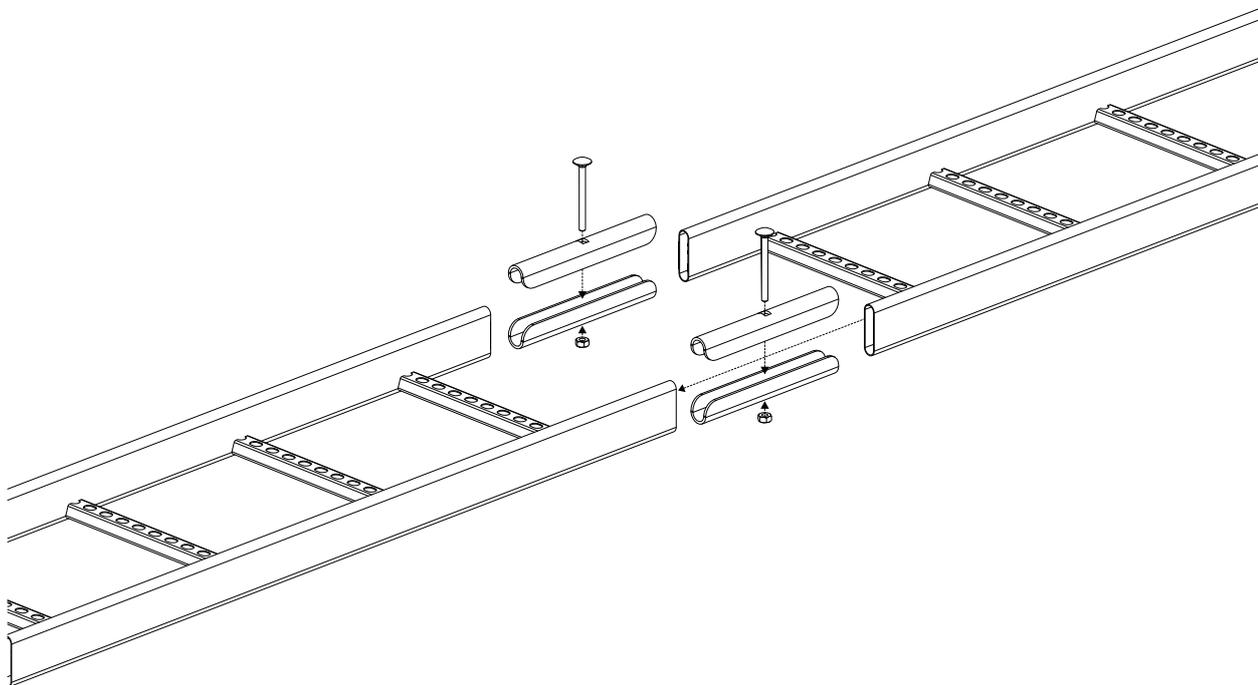
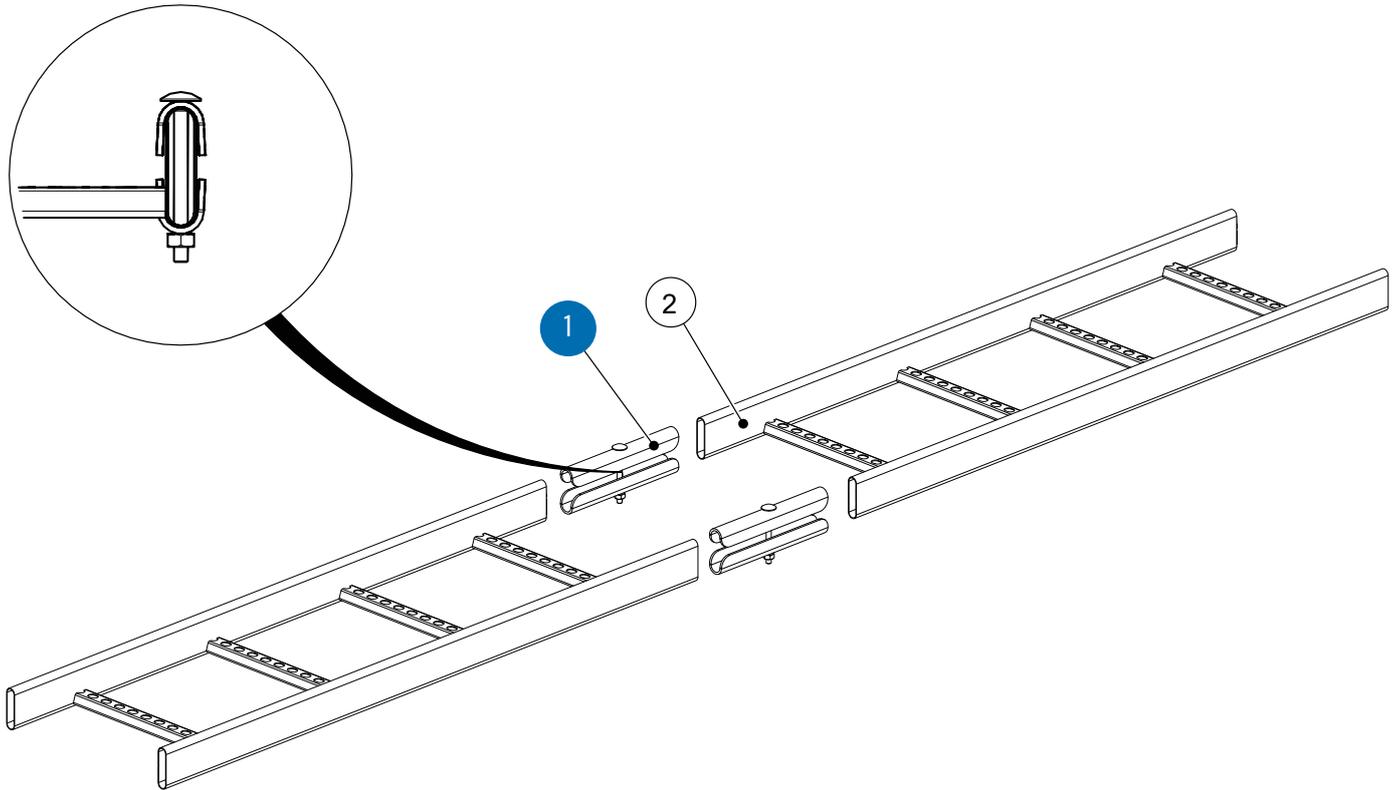
CABLE LADDERS | EXTENSIONS | SUPPORTS | CROSS-SECTIONAL AREA INSTALLATIONS | COVERING



CABLE LADDERS



EXTENSIONS JOINT SSU OR SSR

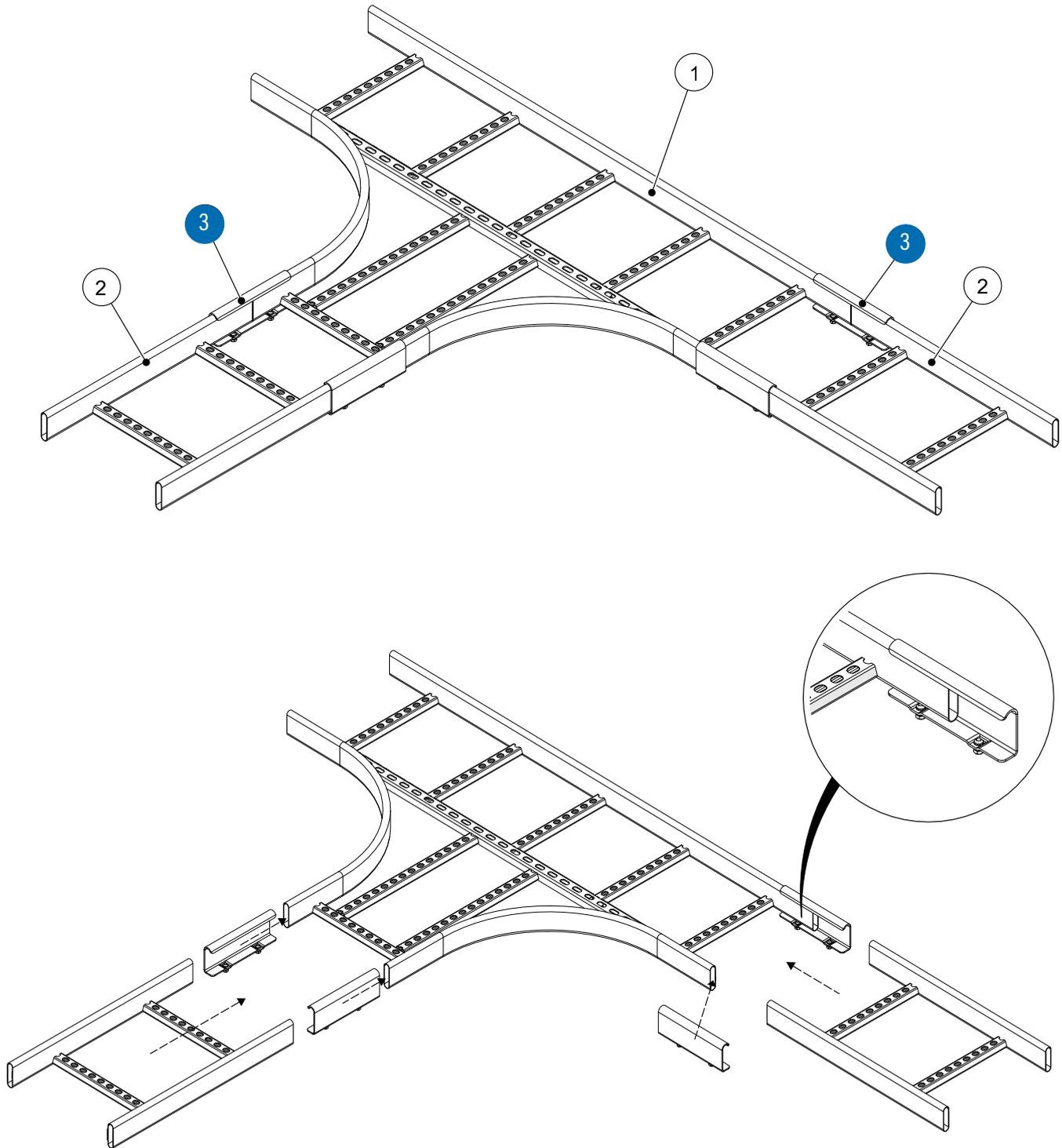


| NO | PRODUCT | | PCS |
|----|--------------|------------|-----|
| 1 | Joint | SSU or SSR | 2 |
| 2 | Cable Ladder | KS | 2 |

CABLE LADDERS



EXTENSIONS JOINT SSR OR SSU



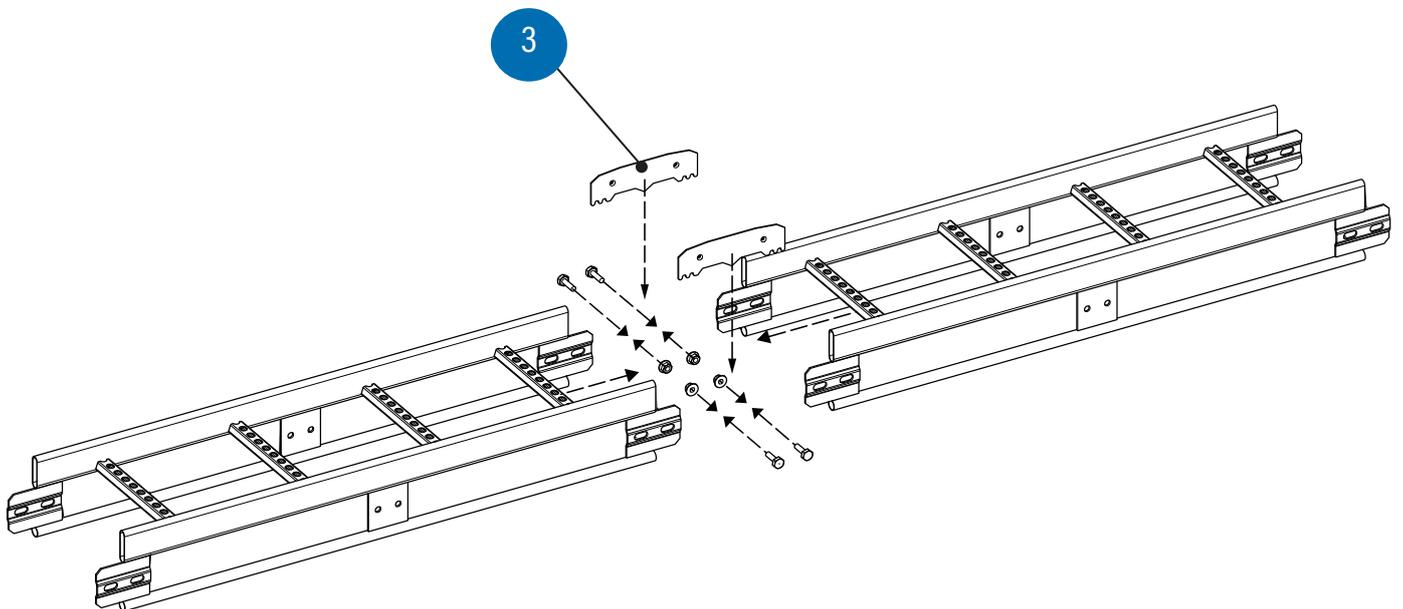
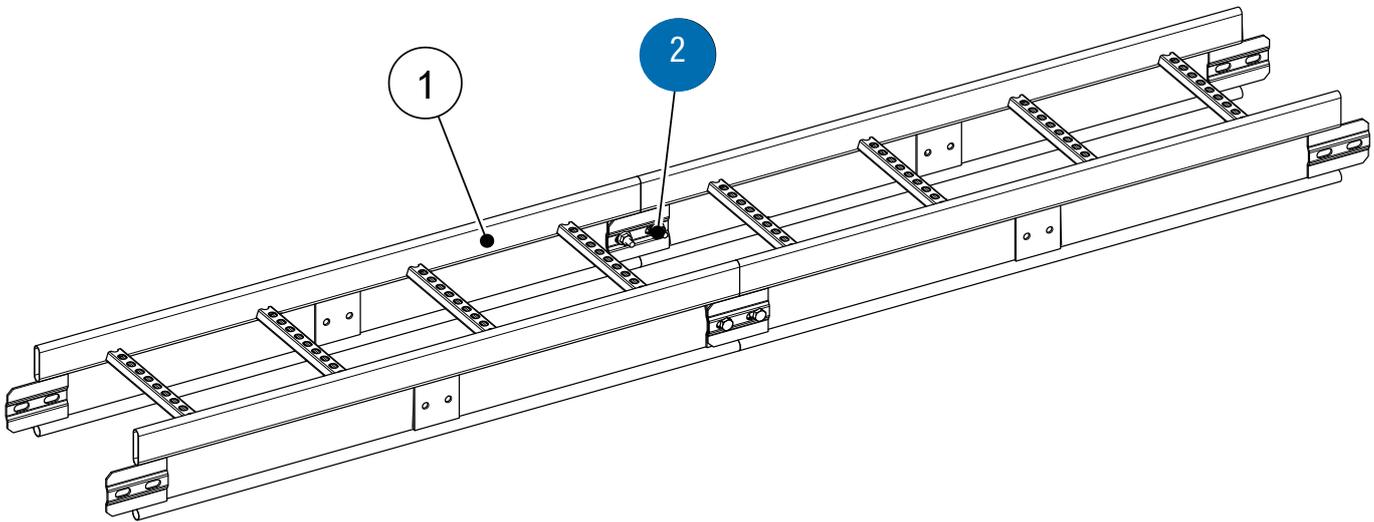
| NO | PRODUCT | | PCS |
|----|--------------|------------|-----|
| 1 | T-piece | KST | 1 |
| 2 | Cable ladder | KS | 2 |
| 3 | Joint | SSR or SSU | 4 |

CABLE LADDERS



EXTENSIONS

JOINT SSA AND BOLT SET RS KSF



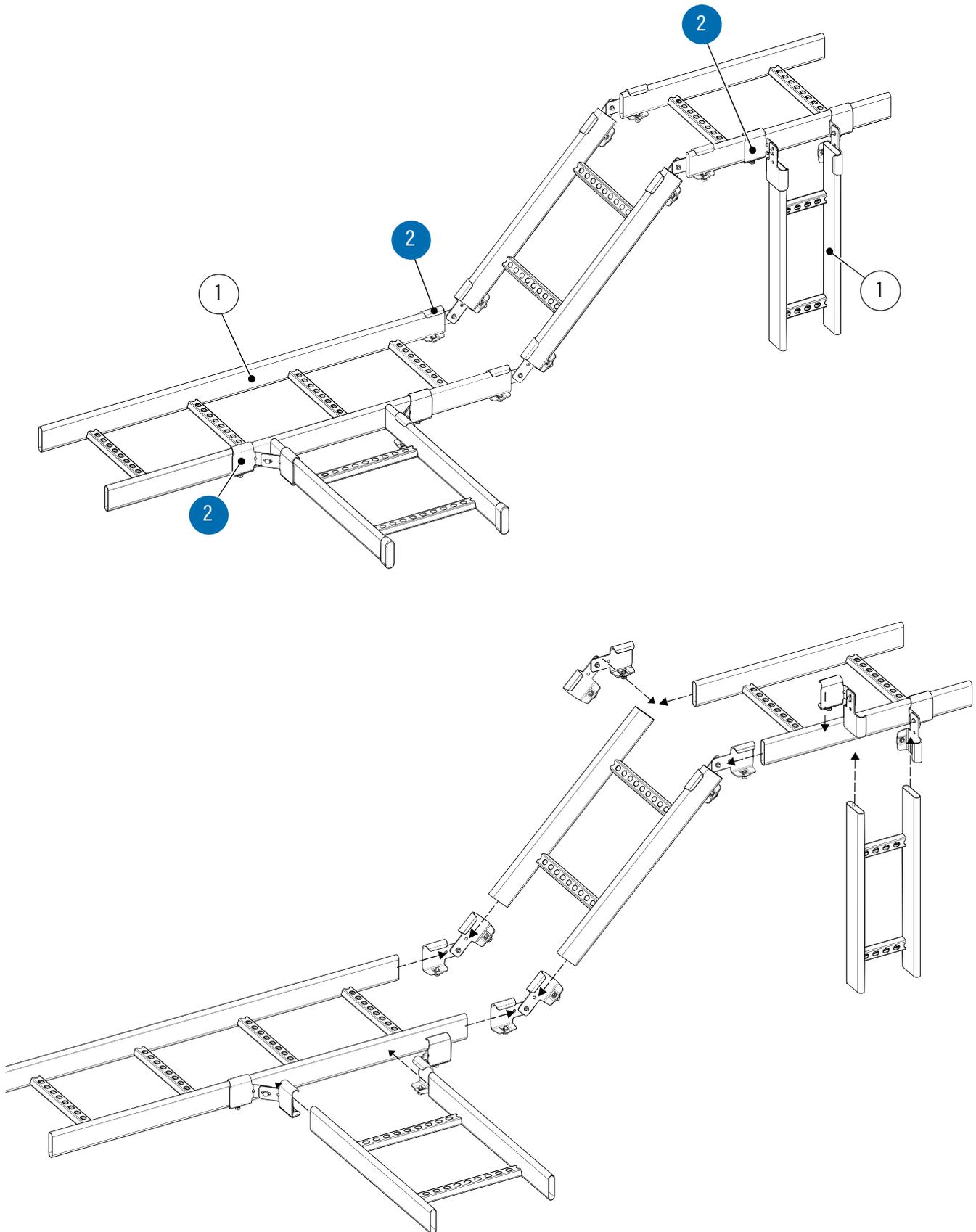
| NO | PRODUCT | | PCS |
|----|--------------|--------|-----|
| 1 | Cable ladder | KSF80 | 2 |
| 2 | Bolt set | RS KSF | 4 |
| 3 | Joint | SSA | 2 |

CABLE LADDERS



EXTENSIONS

FLEXIBLE JOINT NL



NO PRODUCT PCS

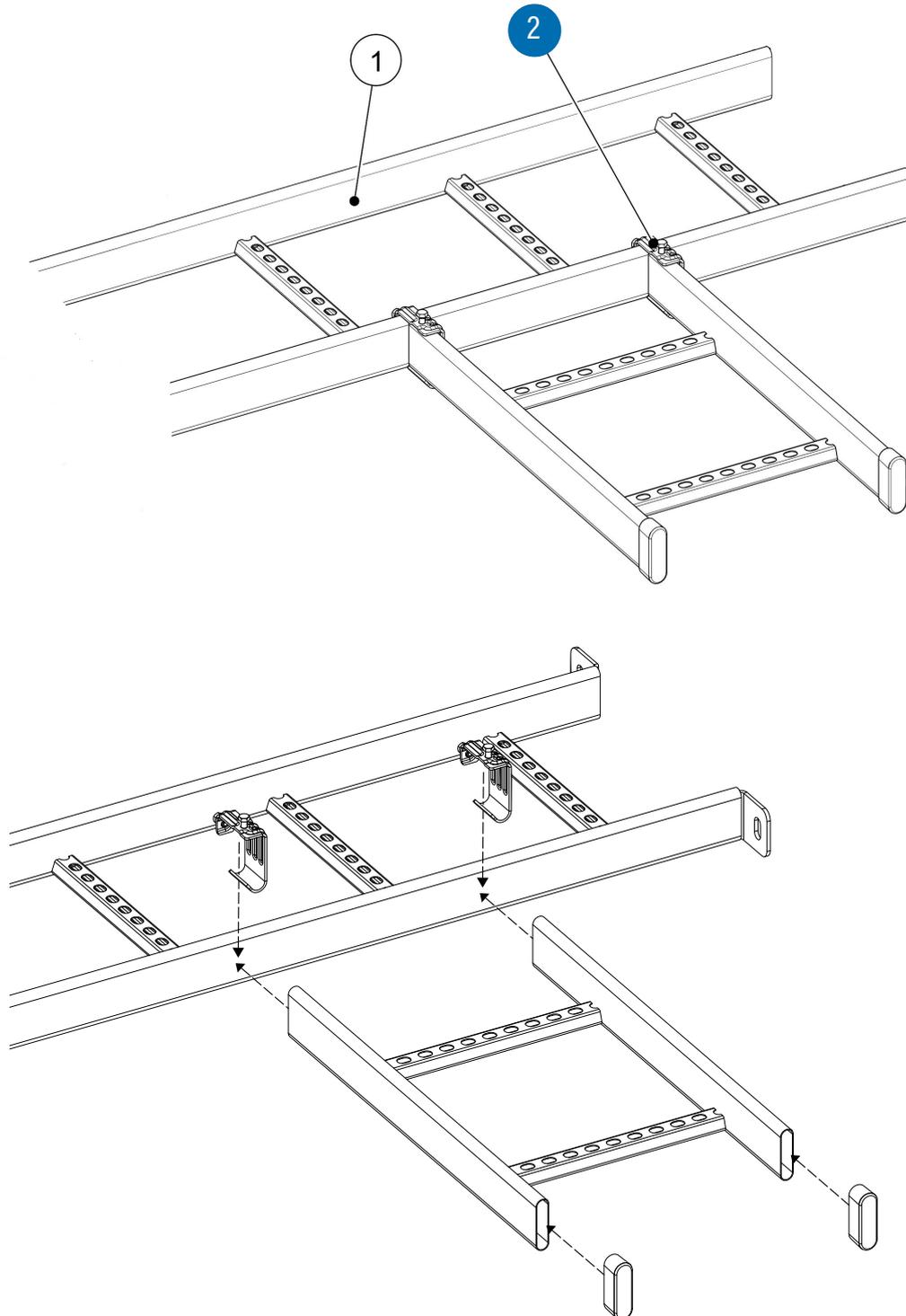
| | | | |
|---|----------------|------------|---|
| 1 | Cable ladder | KS | 5 |
| 2 | Flexible joint | NL / NL-TK | 8 |

CABLE LADDERS



EXTENSIONS

T-BRANCH BRACKET VF



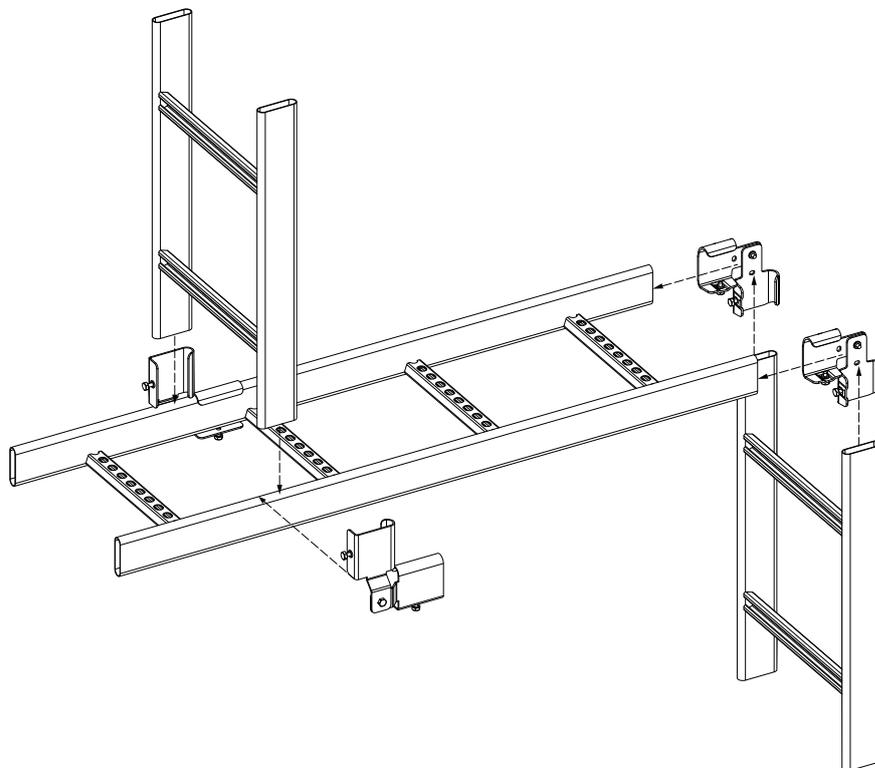
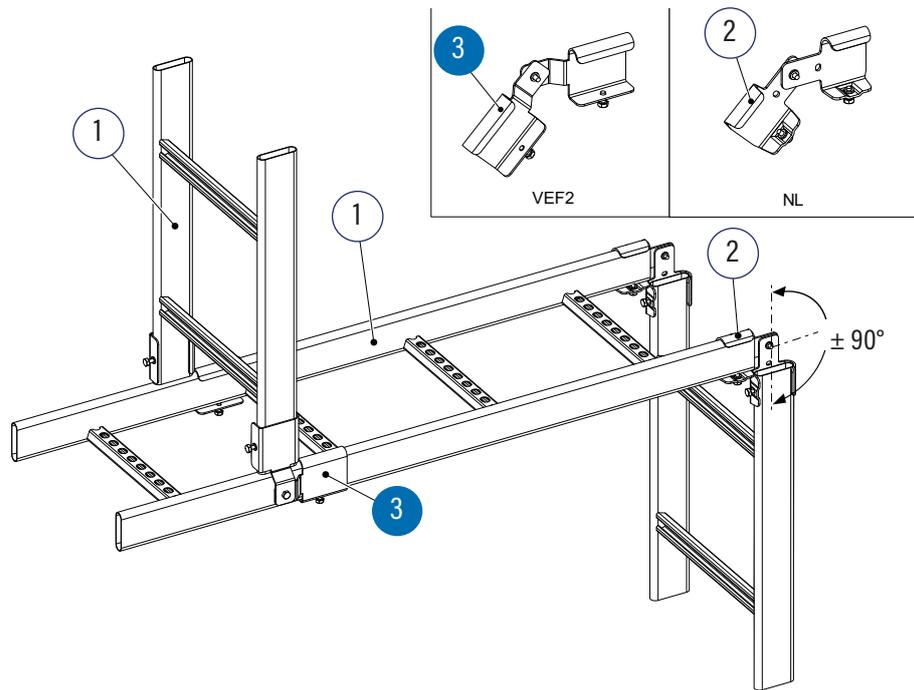
| NO | PRODUCT | | PCS |
|----|------------------|----|-----|
| 1 | Cable ladder | KS | 2 |
| 2 | T-branch bracket | VF | 2 |

CABLE LADDERS



EXTENSIONS

FLEXIBLE VERTICAL BRACKET VEF2



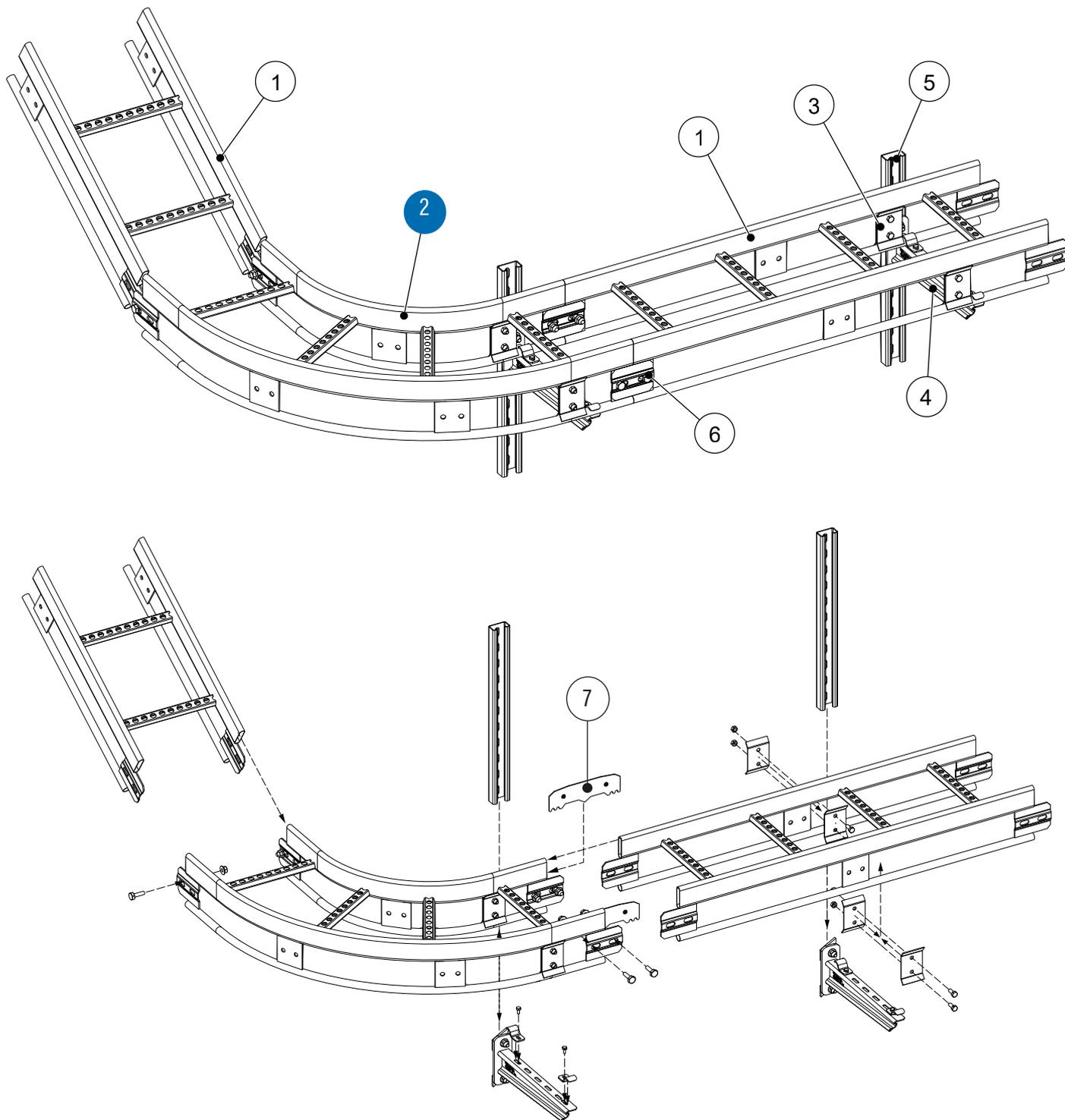
NO PRODUCT PCS

| | | | |
|---|---------------------------|------------|---|
| 1 | Cable ladder | KS | 3 |
| 2 | Flexible joint | NL / NL-TK | 2 |
| 3 | Flexible vertical bracket | VEF2 | 2 |

CABLE LADDERS



EXTENSIONS BEND KSF90



NO PRODUCT PCS

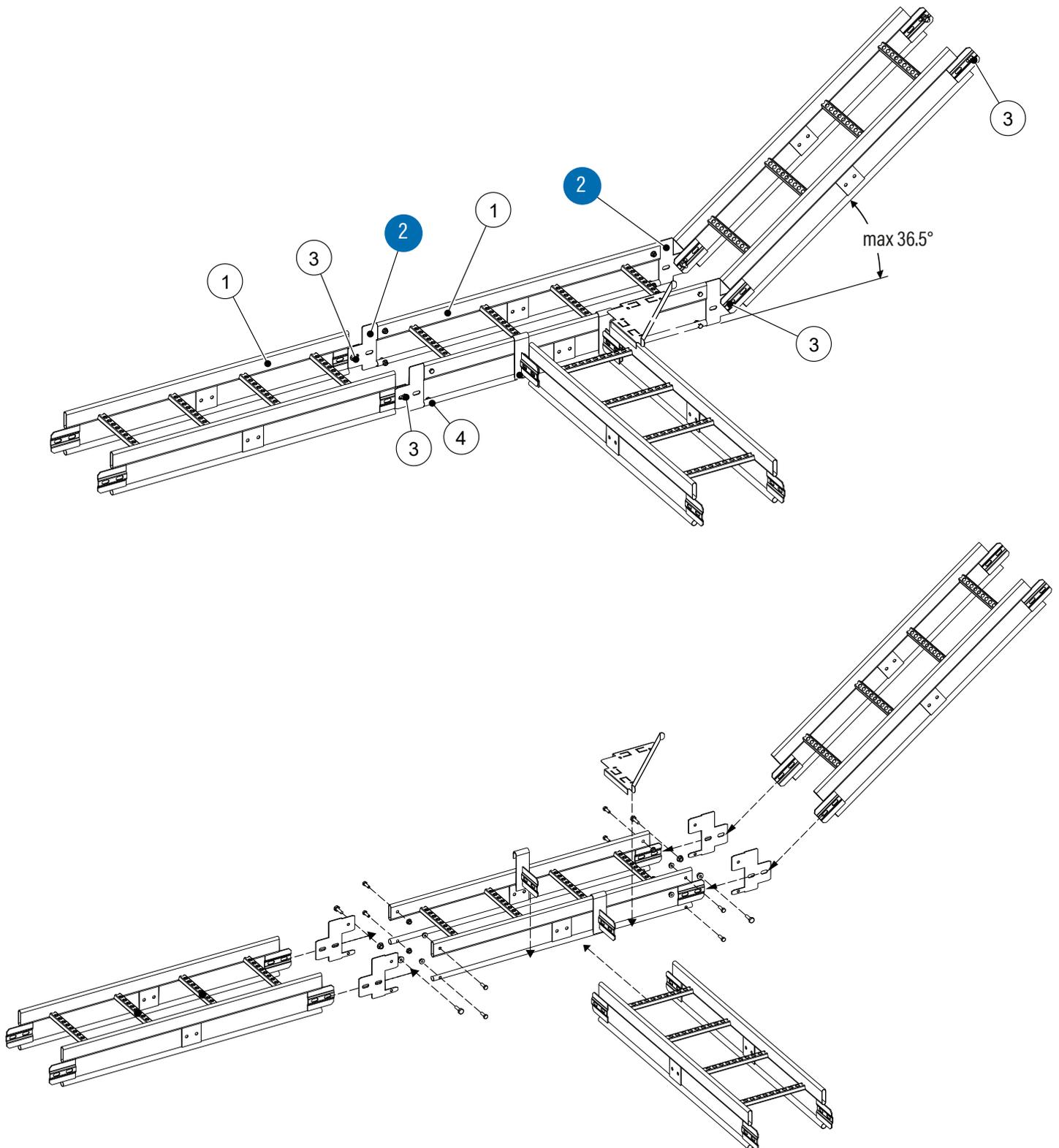
| NO | PRODUCT | PCS | |
|----|---|--------------------|---|
| 1 | Cable ladder | KSF80 | 2 |
| 2 | Bend | KSF90 | 1 |
| 3 | Side profile support | KSF-VT | 4 |
| 4 | Wall bracket/wall support + bracket + sliding nut | VK/VKF + KKF + SMT | 2 |
| 5 | Mounting rail | AS | 2 |
| 6 | Bolt set | RS KSF | 6 |
| 7 | Joint | SSA | 2 |

CABLE LADDERS



EXTENSIONS

FLEXIBLE JOINT KSF-NL



NO PRODUCT PCS

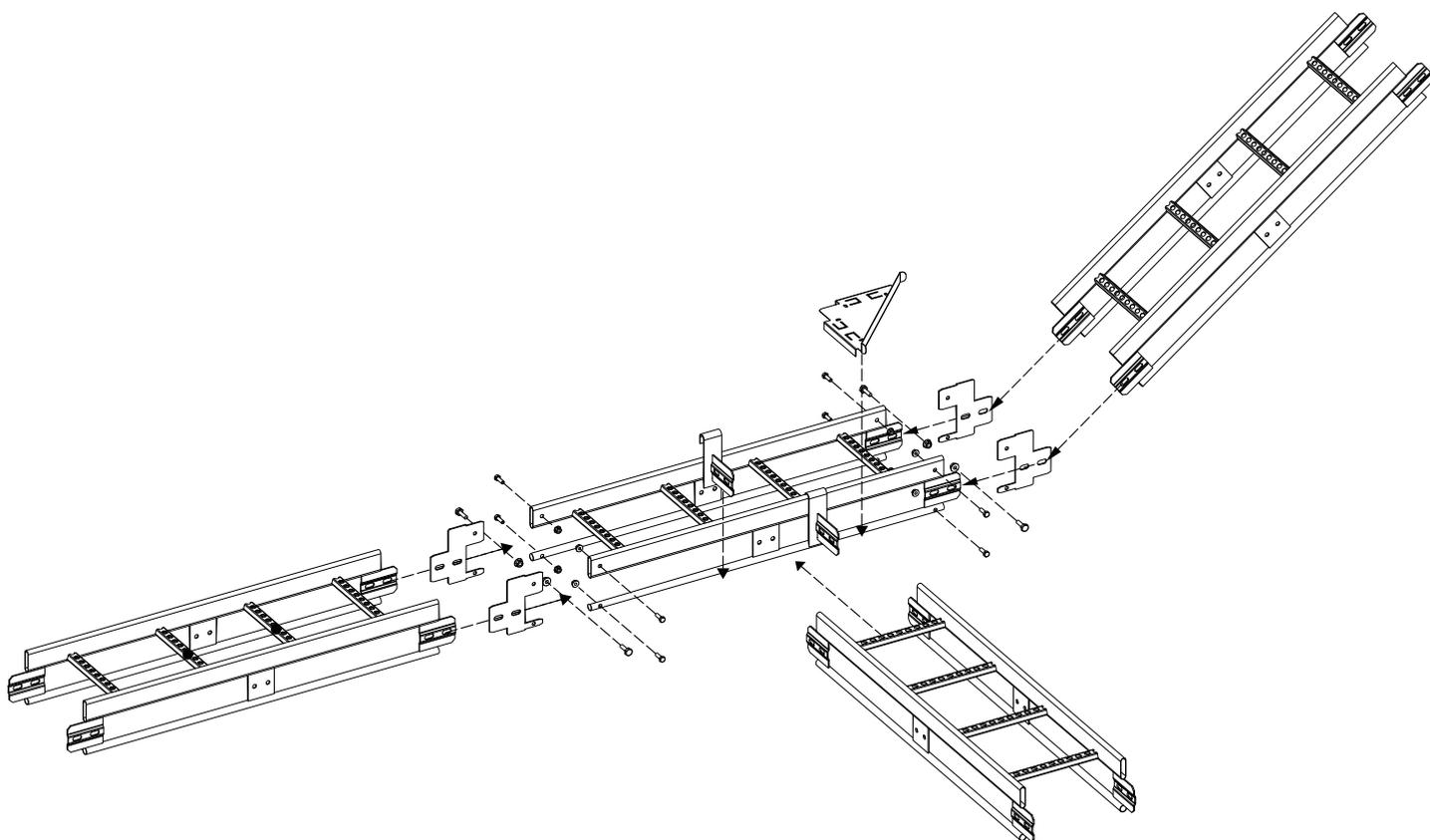
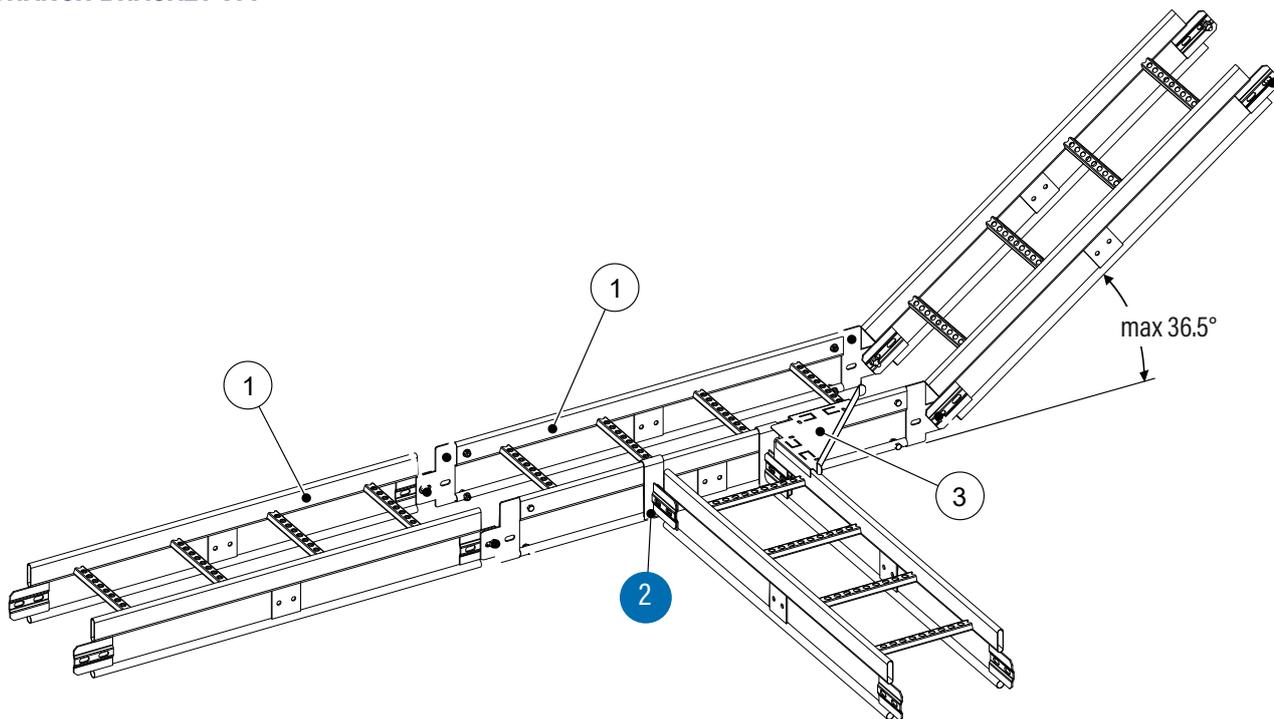
| | | | |
|---|----------------|-----------------|---|
| 1 | Cable ladder | KSF80 | 4 |
| 2 | Flexible joint | KSF-NL | 4 |
| 3 | Bolt set | RS KSF | 6 |
| 4 | Screw and nut | M8x25 (30) + M8 | 8 |

CABLE LADDERS



EXTENSIONS

T-BRANCH BRACKET VFF

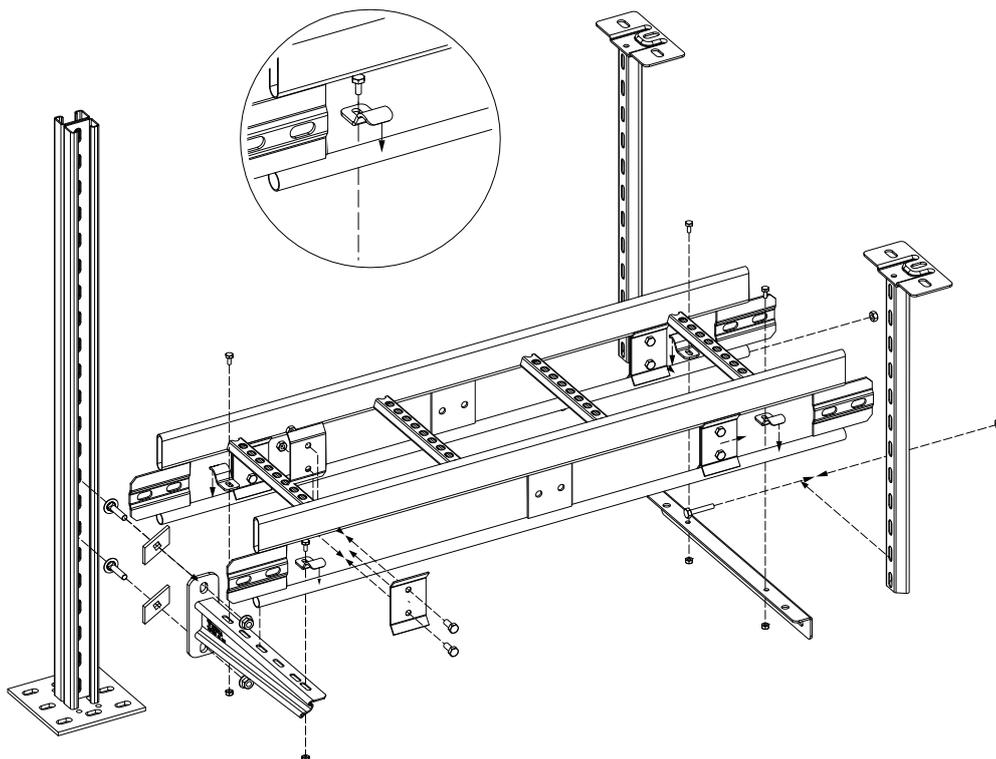
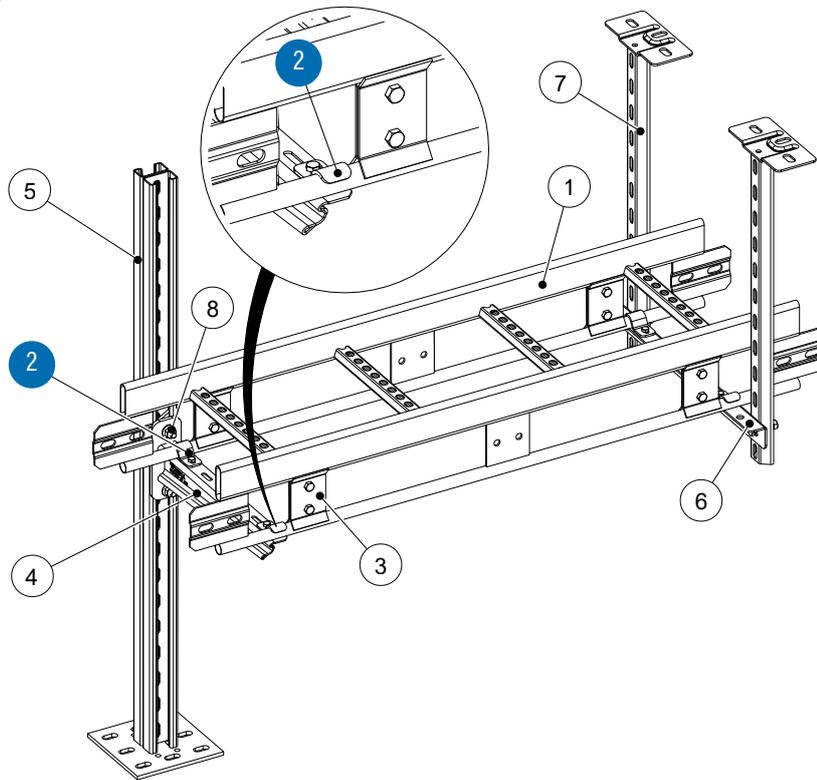


NO PRODUCT PCS

| | | | |
|---|------------------|-------|---|
| 1 | Cable ladder | KSF80 | 4 |
| 2 | T-branch bracket | VFF | 2 |
| 3 | Branching sheet | AG | 1 |

CABLE LADDERS

SUPPORTS BRACKET KKF

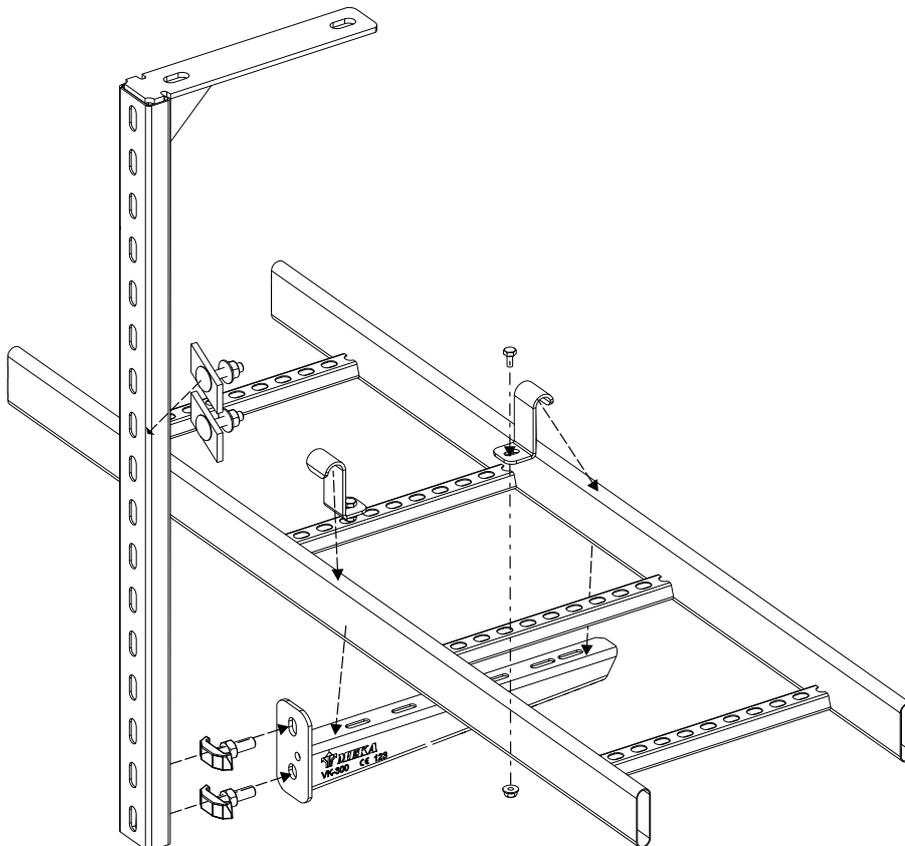
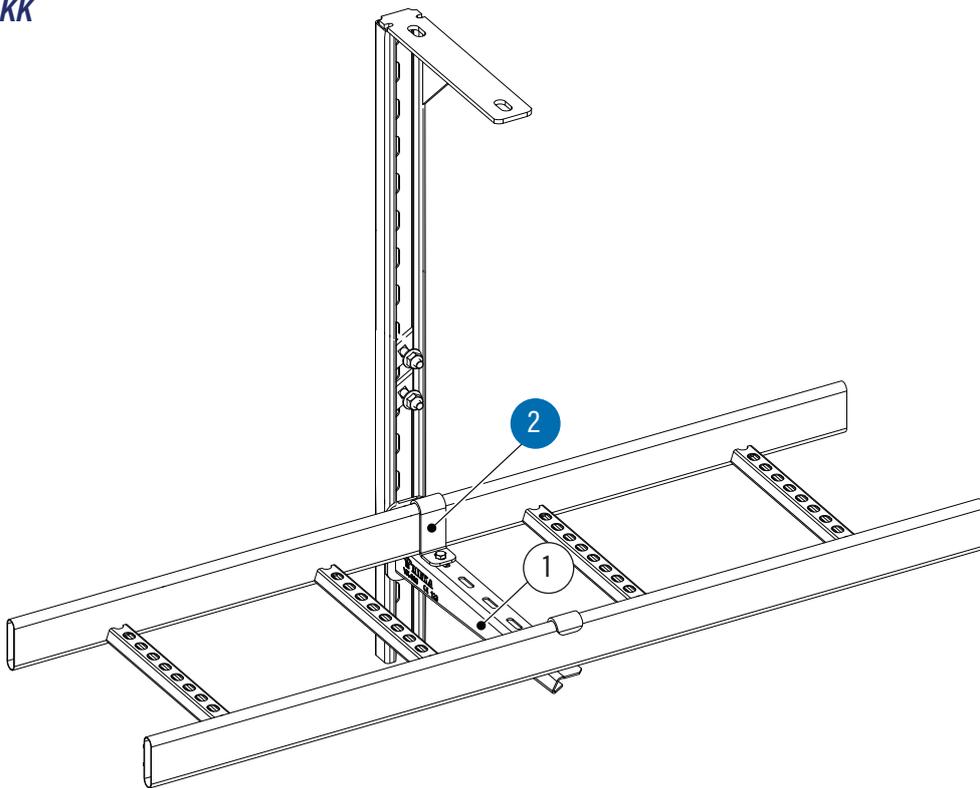


NO PRODUCT PCS

| | | | |
|---|----------------------|--------|---|
| 1 | Cable ladder | KSF80 | 1 |
| 2 | Bracket | KKF | 4 |
| 3 | Side profile support | KSF-VT | 4 |
| 4 | Wall support | VKF | 1 |
| 5 | Ceiling support | TP2 | 1 |
| 6 | Gate support | TPK | 1 |
| 7 | Ceiling support | TP1 | 2 |
| 8 | Sliding nut | SMT | 2 |

CABLE LADDERS

SUPPORTS BRACKET KK

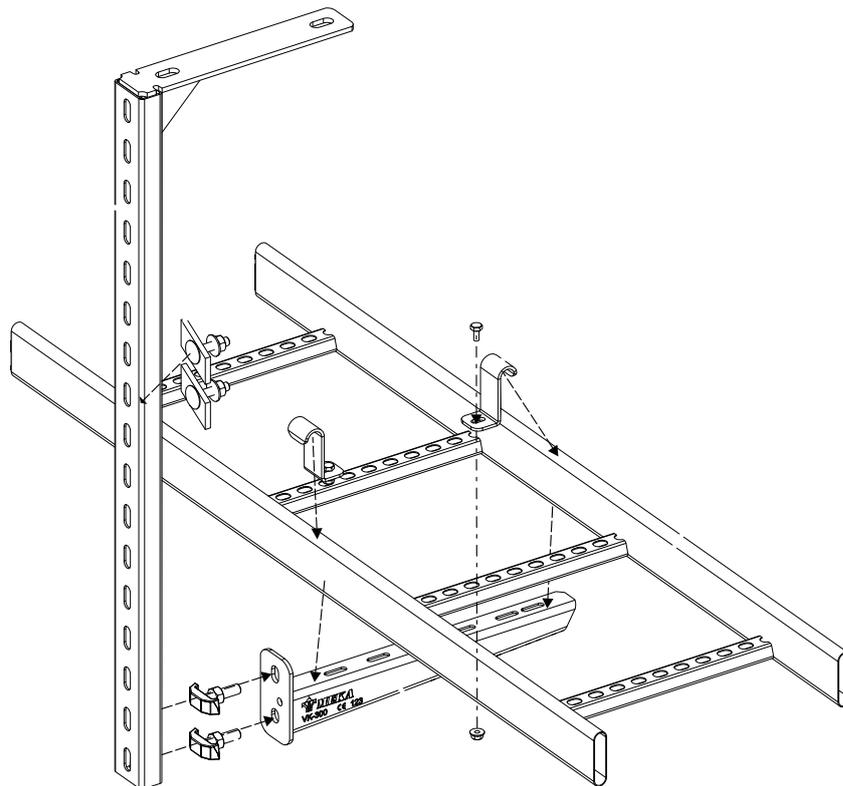
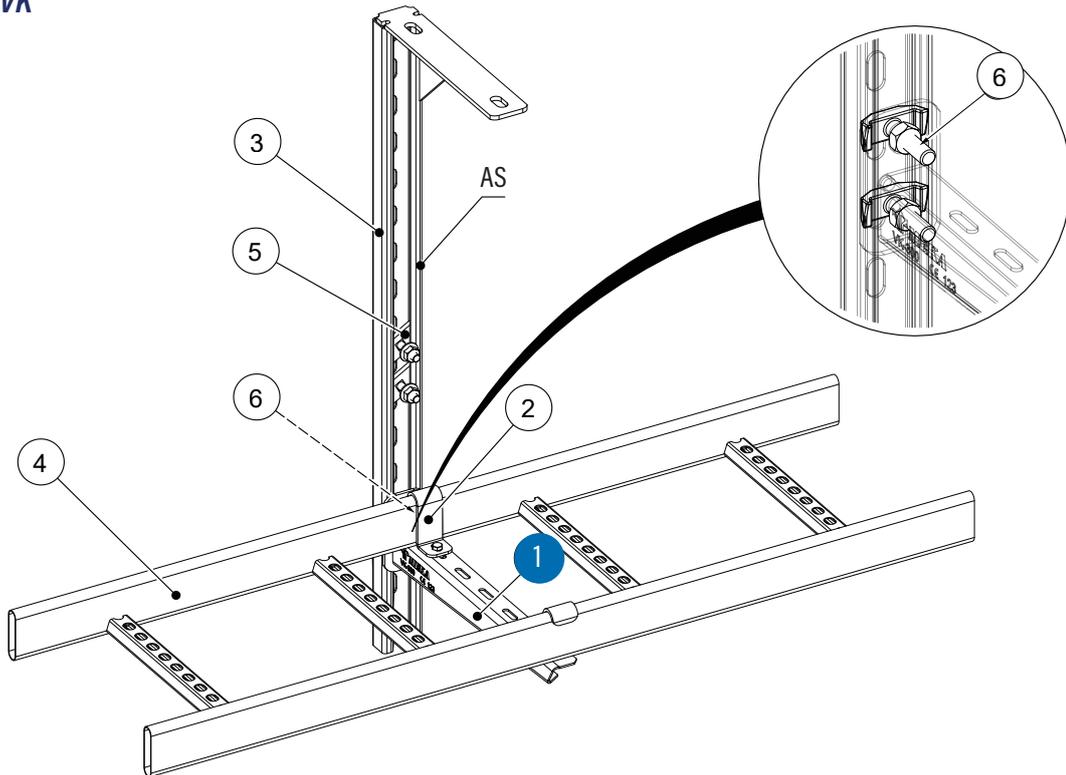


| NO | PRODUCT | | PCS |
|----|--------------|----|-----|
| 1 | Wall support | VK | 1 |
| 2 | Bracket | KK | 2 |

CABLE LADDERS



SUPPORTS WALL SUPPORT VK



NO PRODUCT PCS

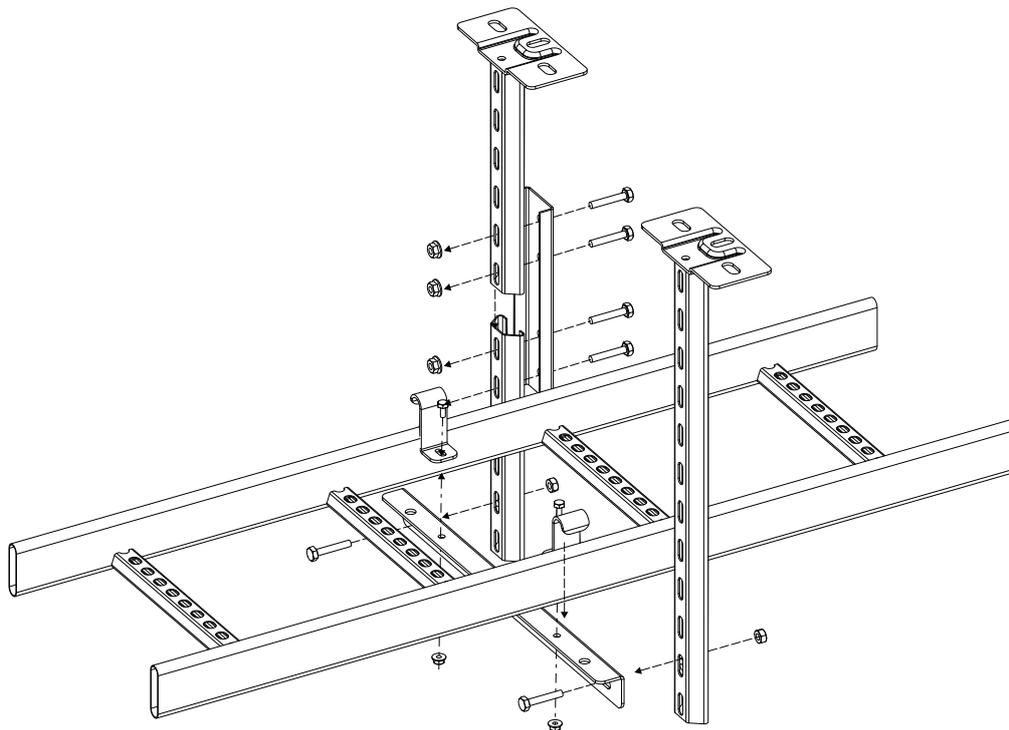
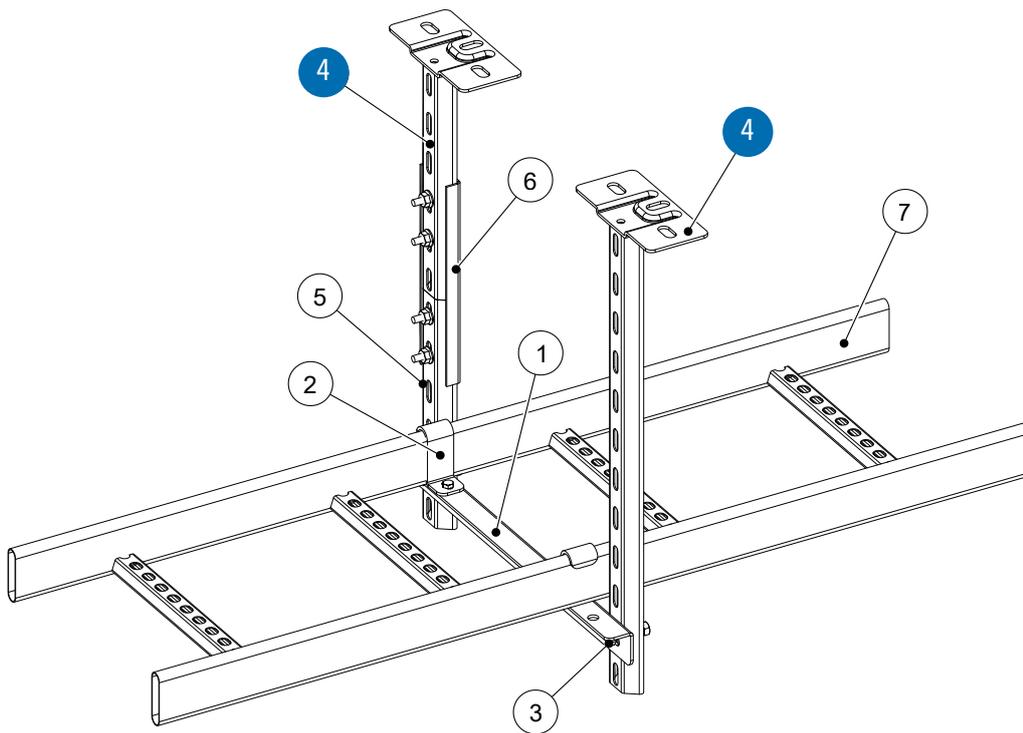
| NO | PRODUCT | | PCS |
|----|-----------------|-----|-----|
| 1 | Wall support | VK | 1 |
| 2 | Bracket | KK | 2 |
| 3 | Ceiling bracket | HK2 | 1 |
| 4 | Cable ladder | KS | 1 |
| 5 | Sliding nut | SMT | 1 |
| 6 | Sliding nut | TB | 2 |

CABLE LADDERS



SUPPORTS

CEILING SUPPORT TP1



NO PRODUCT PCS

| | | | |
|---|-----------------|-----|---|
| 1 | Gate support | TPK | 1 |
| 2 | Bracket | KK | 2 |
| 3 | Bolt set | RS2 | 3 |
| 4 | Ceiling support | TP1 | 2 |
| 5 | Mounting rail | FP | 1 |
| 6 | Joint | JK | 1 |
| 7 | Cable ladder | KS | 1 |

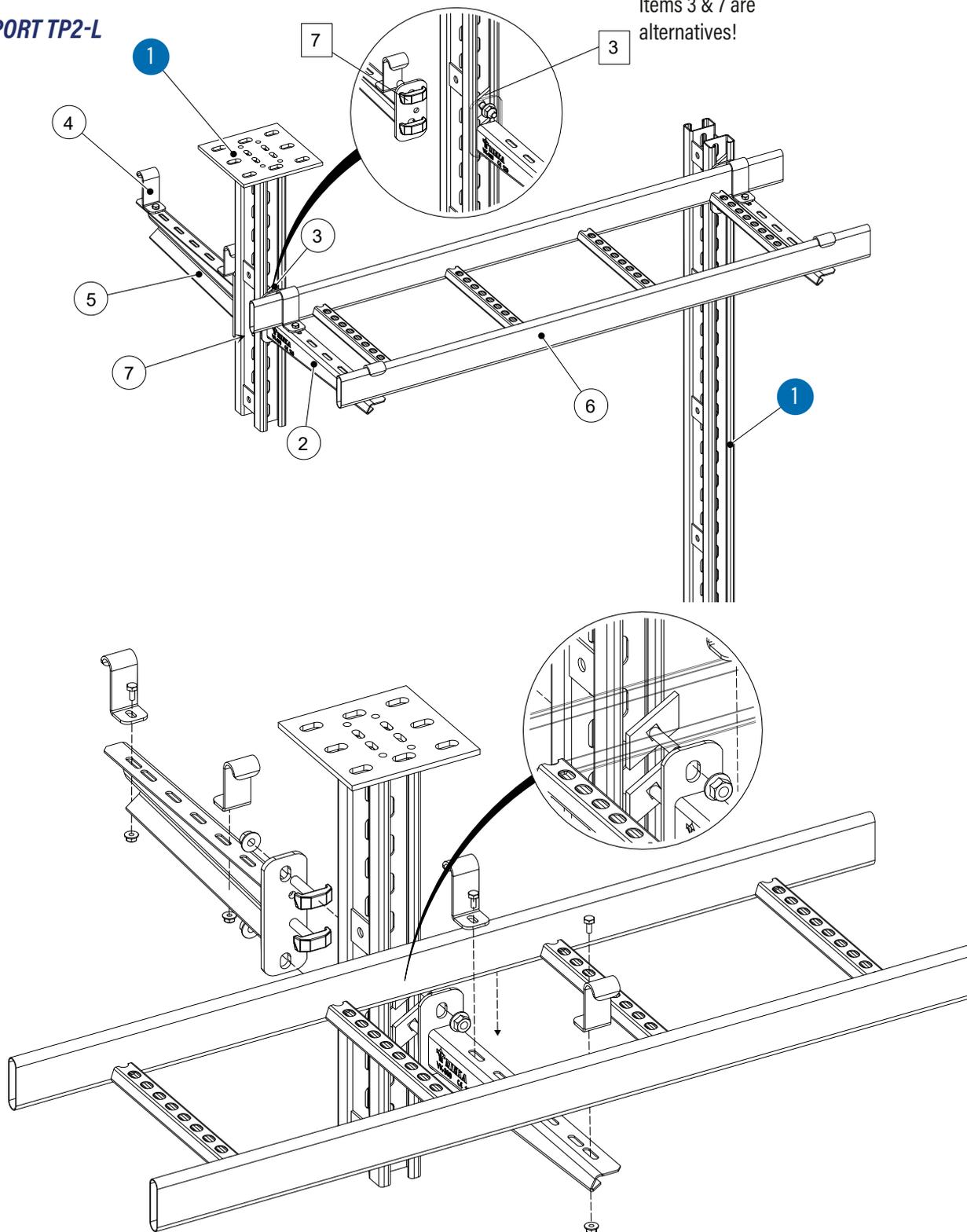
CABLE LADDERS



SUPPORTS

CEILING SUPPORT TP2-L

Items 3 & 7 are alternatives!



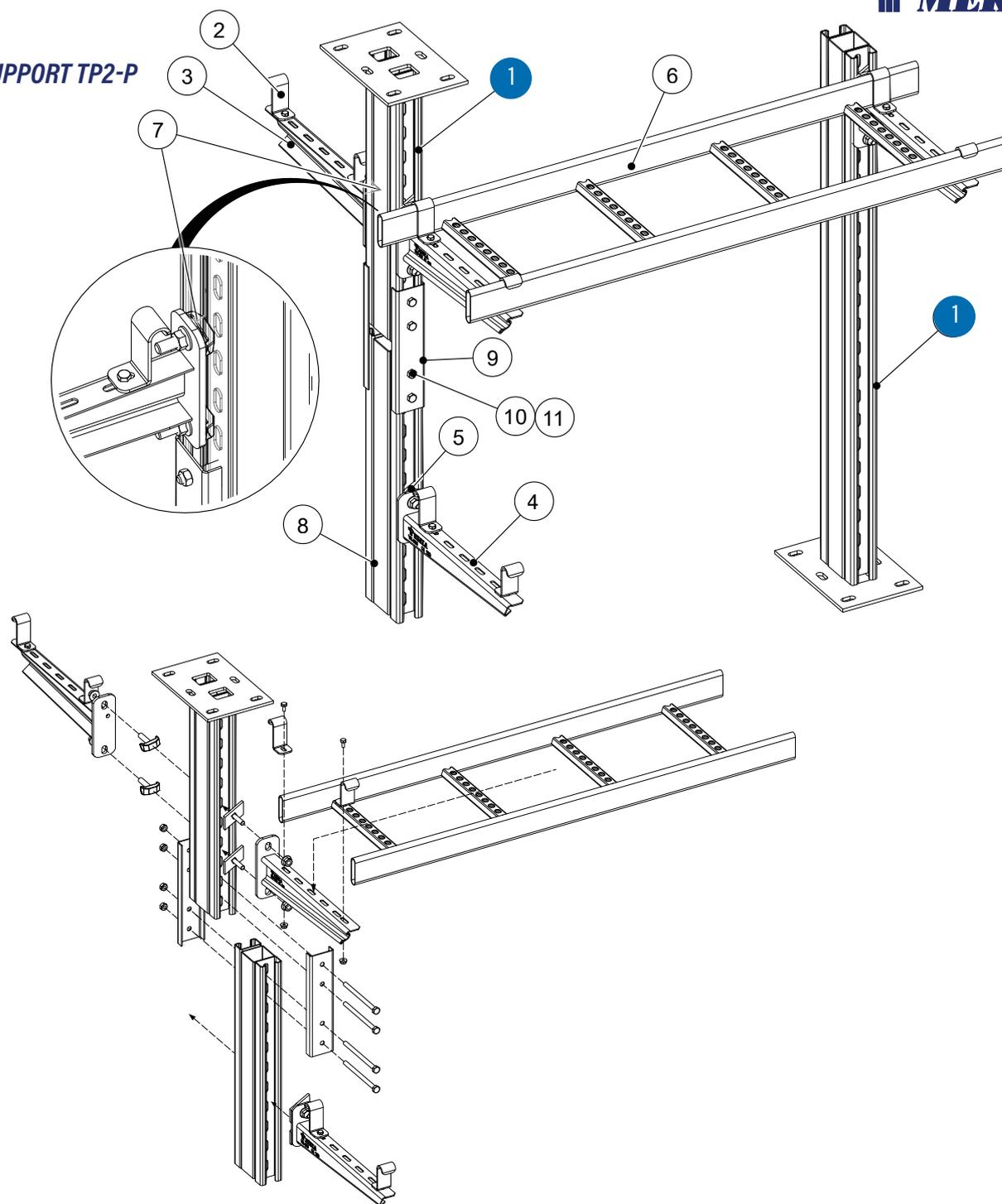
NO PRODUCT PCS

| | | | |
|---|-----------------|-------------|---|
| 1 | Ceiling support | TP2 / TP2-L | 2 |
| 2 | Wall support | VK | 2 |
| 3 | Sliding nut | SMT | 2 |
| 4 | Bracket | KK | 2 |
| 5 | Wall support | VKF | 1 |
| 6 | Cable ladder | KS | 1 |
| 7 | Sliding nut | TB | 2 |

CABLE LADDERS



SUPPORTS CEILING SUPPORT TP2-P



NO PRODUCT PCS

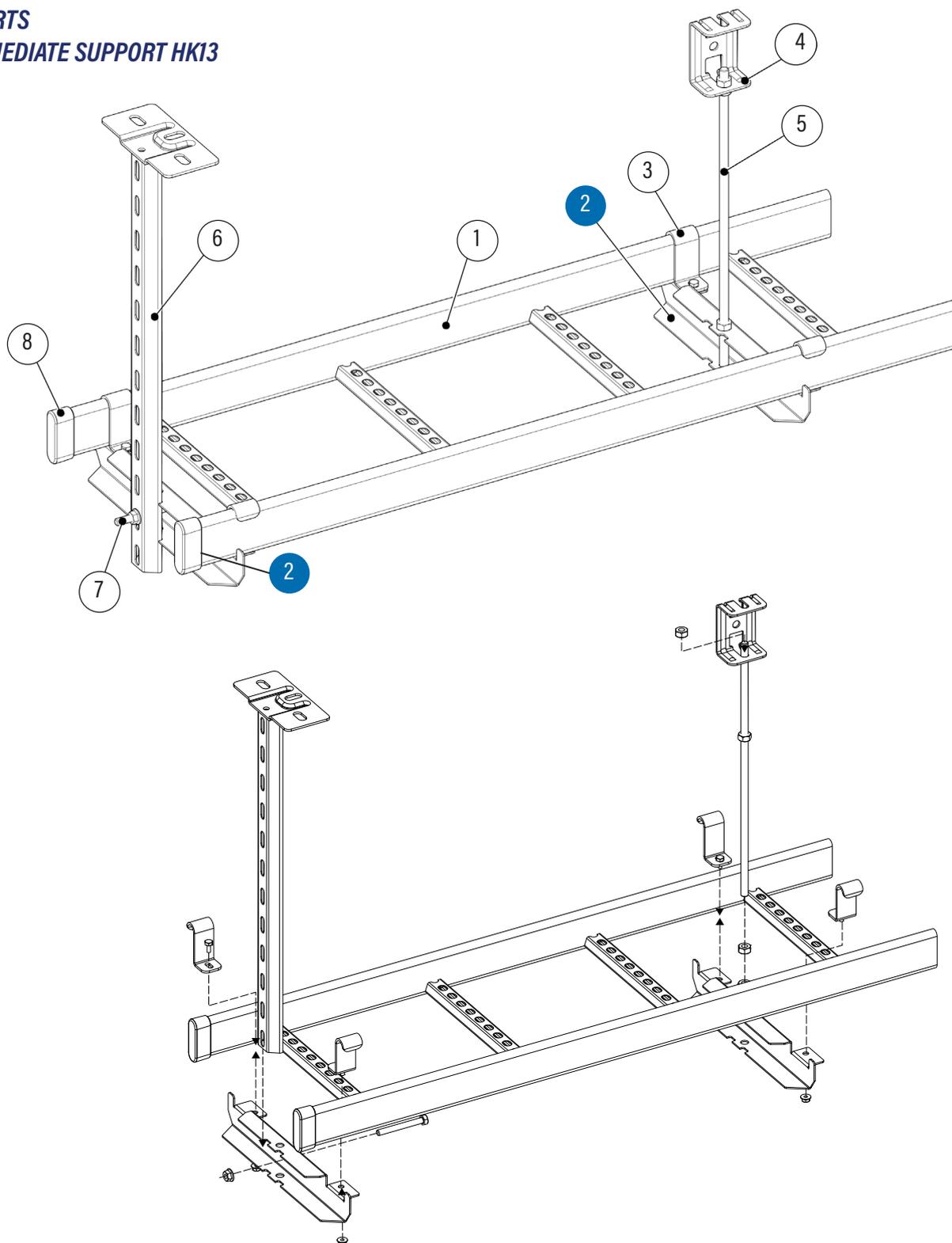
| | | | |
|----|-----------------|--------|---|
| 1 | Ceiling support | TP2-P | 2 |
| 2 | Bracket | KK | 8 |
| 3 | Wall support | VKF | 3 |
| 4 | Wall support | VK | 1 |
| 5 | Sliding nut | SMT | 6 |
| 6 | Cable ladder | KS | 1 |
| 7 | Sliding nut | TB | 2 |
| 8 | Mounting rail | ASR-P | 1 |
| 9 | Joint | JK | 2 |
| 10 | Hex screw | M8x120 | 4 |
| 11 | Nut | M8 | 4 |

CABLE LADDERS



SUPPORTS

INTERMEDIATE SUPPORT HK13

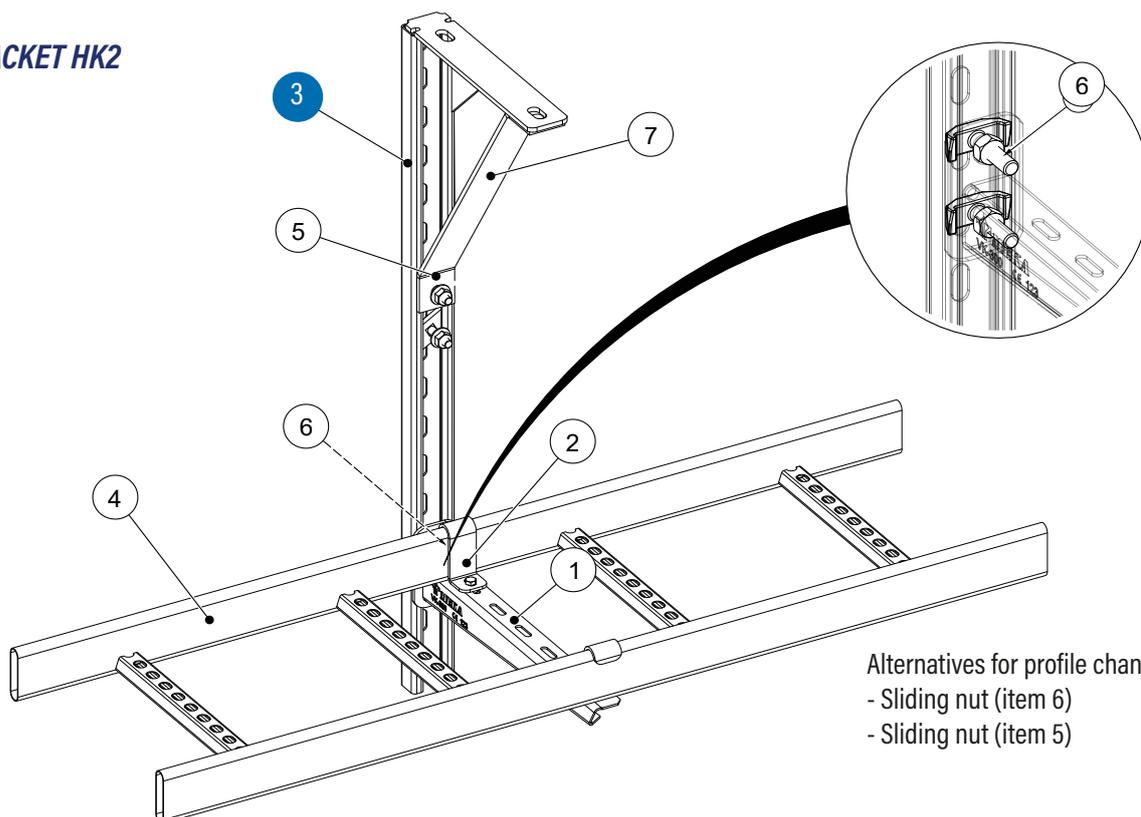


| NO | PRODUCT | | PCS |
|----|----------------------|--------------|-----|
| 1 | Cable ladder | KS | 1 |
| 2 | Intermediate support | HK13 | 2 |
| 3 | Bracket | KK | 4 |
| 4 | Ceiling bracket | RTF | 1 |
| 5 | Threaded rod | GT10 / GT-16 | 1 |
| 6 | Ceiling support | TP1 | 1 |
| 7 | Bolt set | RS3 | 1 |
| 8 | End plug | ÄP | 2 |

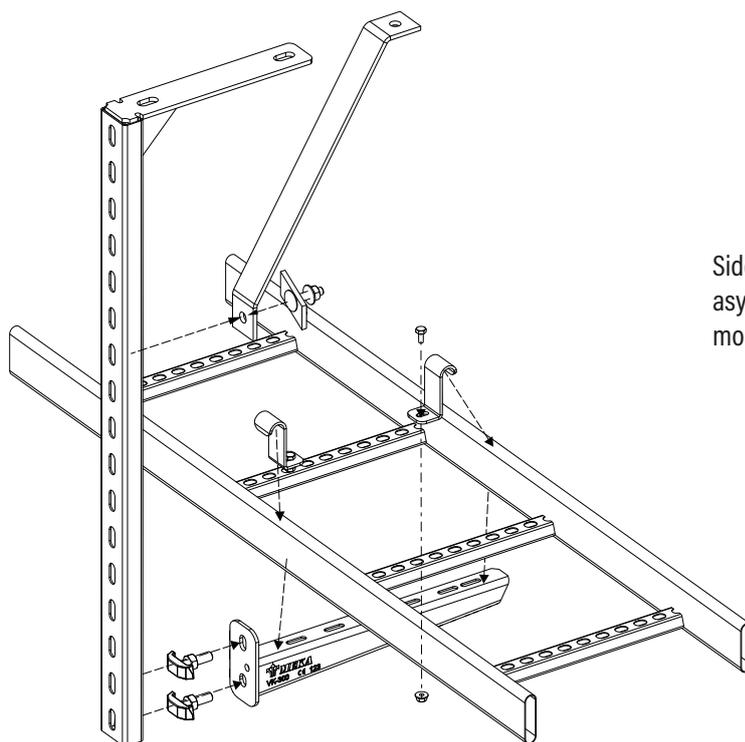
CABLE LADDERS



SUPPORTS CEILING BRACKET HK2



Alternatives for profile channel
- Sliding nut (item 6)
- Sliding nut (item 5)



Side support ST is used with
asymmetric load, and/or when wall
mounting is not possible

NO PRODUCT PCS

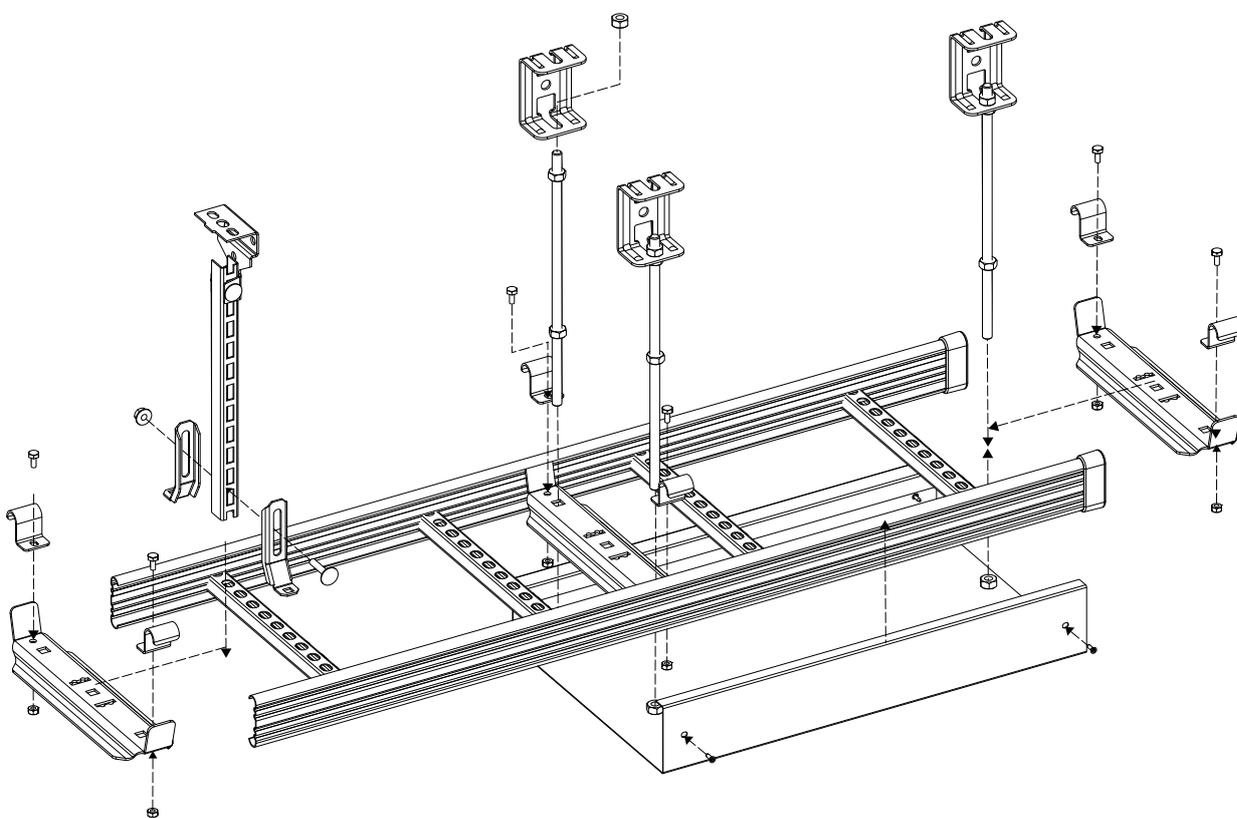
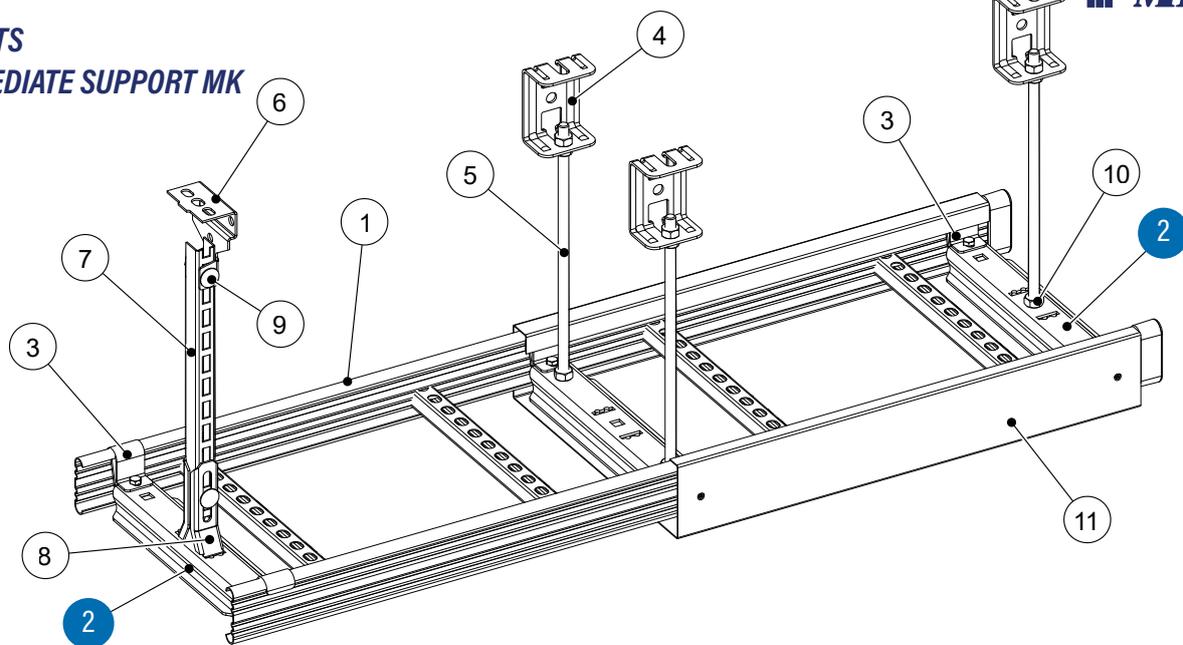
| | | | |
|---|-----------------|-----|---|
| 1 | Wall bracket | VK | 1 |
| 2 | Bracket | KK | 2 |
| 3 | Ceiling support | HK2 | 1 |
| 4 | Cable ladder | KS | 1 |
| 5 | Sliding nut | SMT | 1 |
| 6 | Sliding nut | TB | 2 |
| 7 | Side support | ST | 1 |

CABLE LADDERS



SUPPORTS

INTERMEDIATE SUPPORT MK



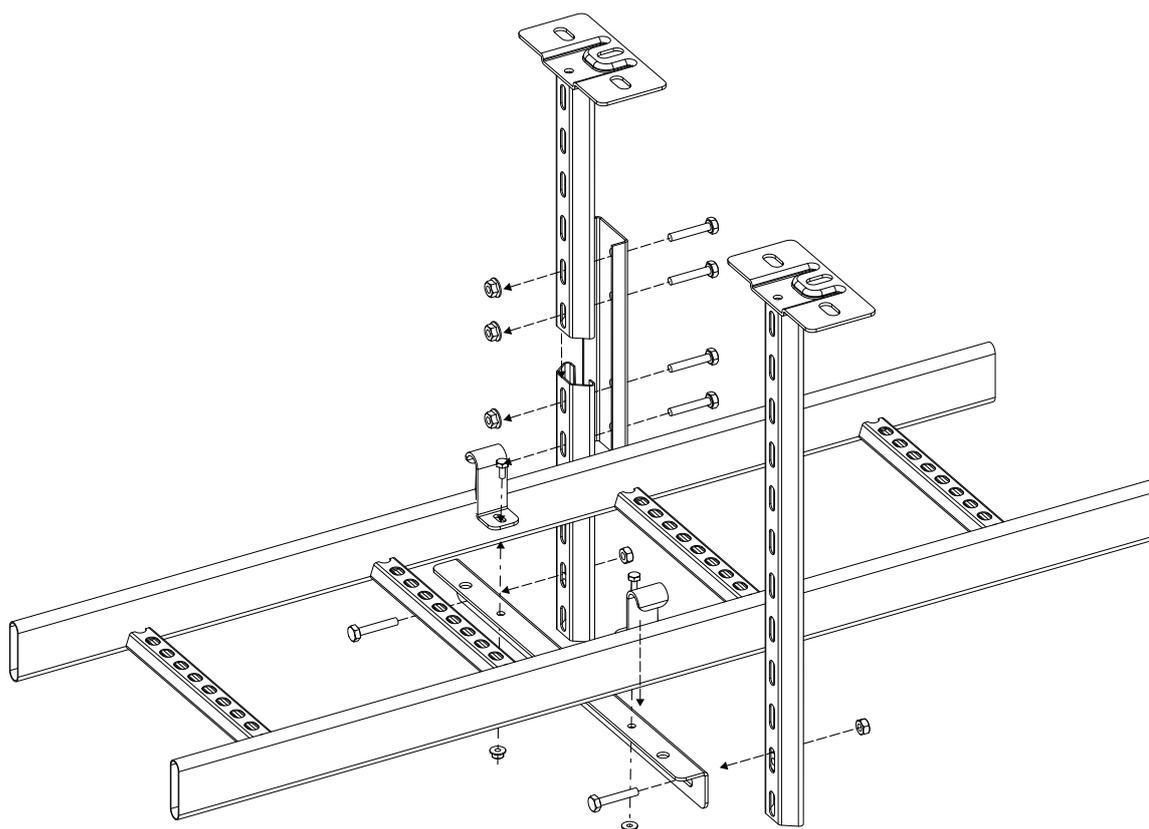
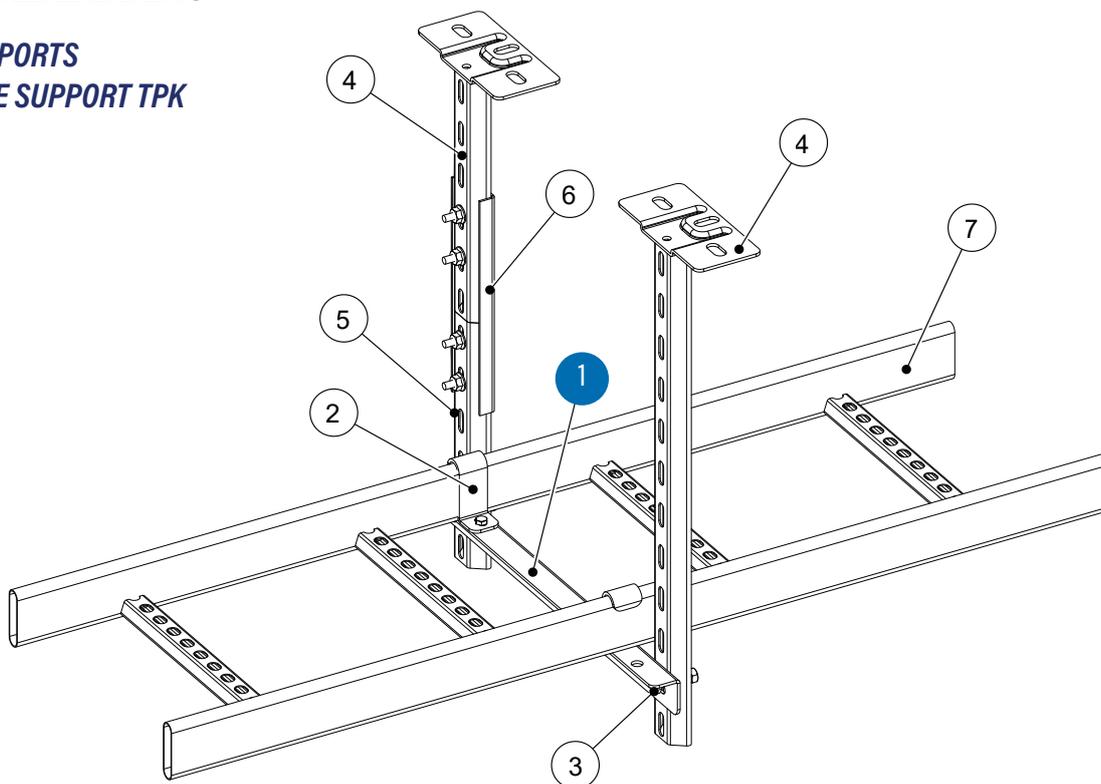
NO PRODUCT PCS

| NO | PRODUCT | | PCS |
|----|----------------------|---------------|-----|
| 1 | Cable ladder | KS | 1 |
| 2 | Intermediate support | MK | 3 |
| 3 | Bracket | KK-MK | 6 |
| 4 | Ceiling bracket | RTF | 3 |
| 5 | Threaded rod | GT-10 / GT-16 | 3 |
| 6 | Ceiling bracket | PF | 1 |
| 7 | Mounting rail | PS | 1 |
| 8 | Bracket for PS rail | PSF | 2 |
| 9 | Bolt set | RS-PSF | 2 |
| 10 | Nut | MU 10 / MU 16 | 8 |
| 11 | Bottom cover | PPU | 1 |

CABLE LADDERS



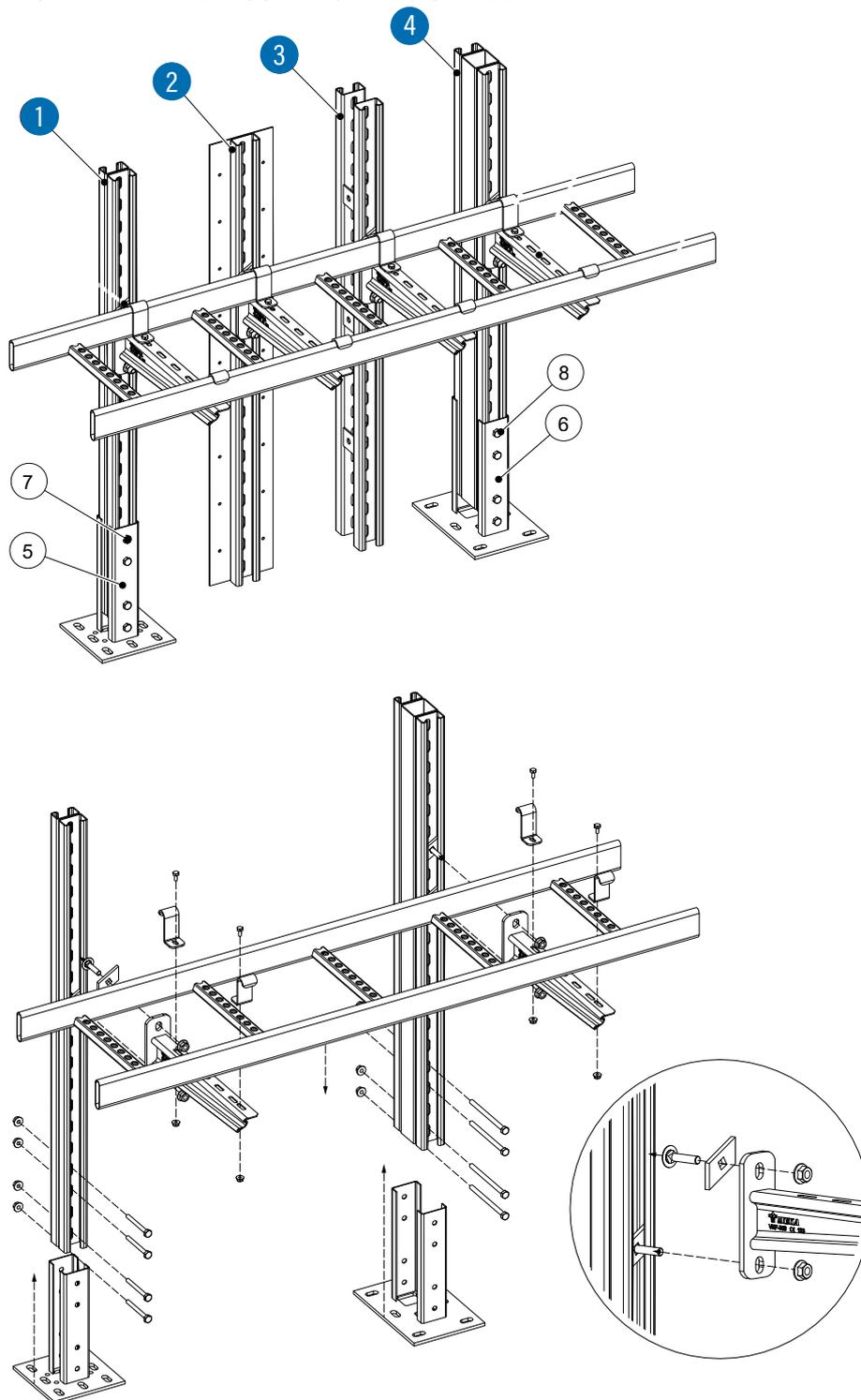
SUPPORTS GATE SUPPORT TPK



| NO | PRODUCT | | PCS |
|----|-----------------|-----|-----|
| 1 | Gate support | TPK | 1 |
| 2 | Bracket | KK | 2 |
| 3 | Bolt set | RS2 | 2 |
| 4 | Ceiling support | TP1 | 2 |
| 5 | Mounting rail | FP | 1 |
| 6 | Joint | JK | 1 |
| 7 | Cable ladder | KS | 1 |

SUPPORTS

MOUNTING RAILS ASR, ASR-L AND ASR-P AND WALL MOUNTING RAIL AS WALL



NO PRODUCT PCS

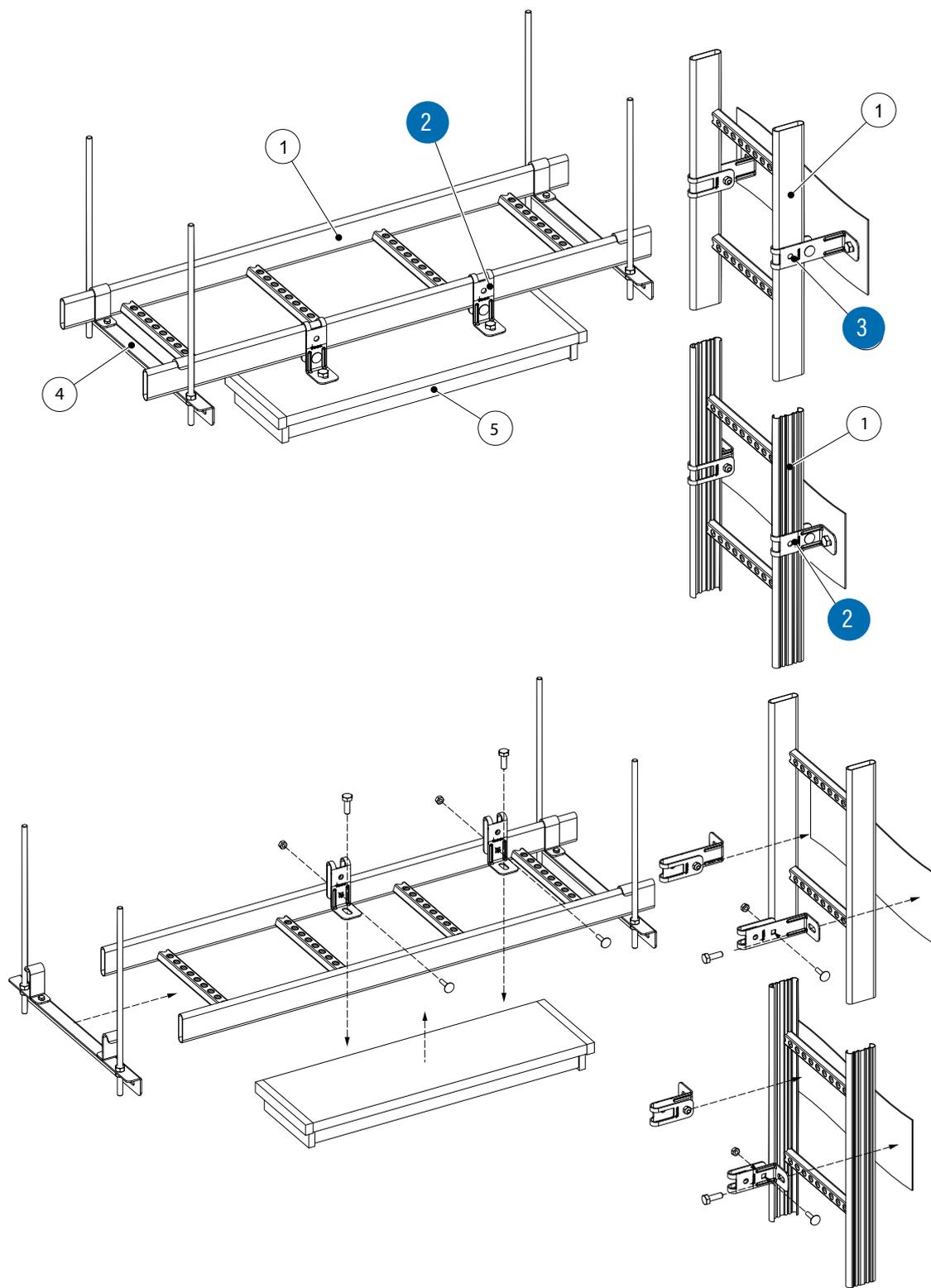
| | | | |
|---|--------------------|---------------|---|
| 1 | Mounting rail | ASR | 1 |
| 2 | Wall mounting rail | AS WALL | 1 |
| 3 | Mounting rail | ASR-L | 1 |
| 4 | Mounting rail | ASR-P | 1 |
| 5 | Ceiling bracket | ASR-TF | 1 |
| 6 | Ceiling bracket | ASR-P-TF | 1 |
| 7 | Bolt set | RS3 | 4 |
| 8 | Screw set | M8 x 120 + M8 | 4 |

CABLE LADDERS



SUPPORTS

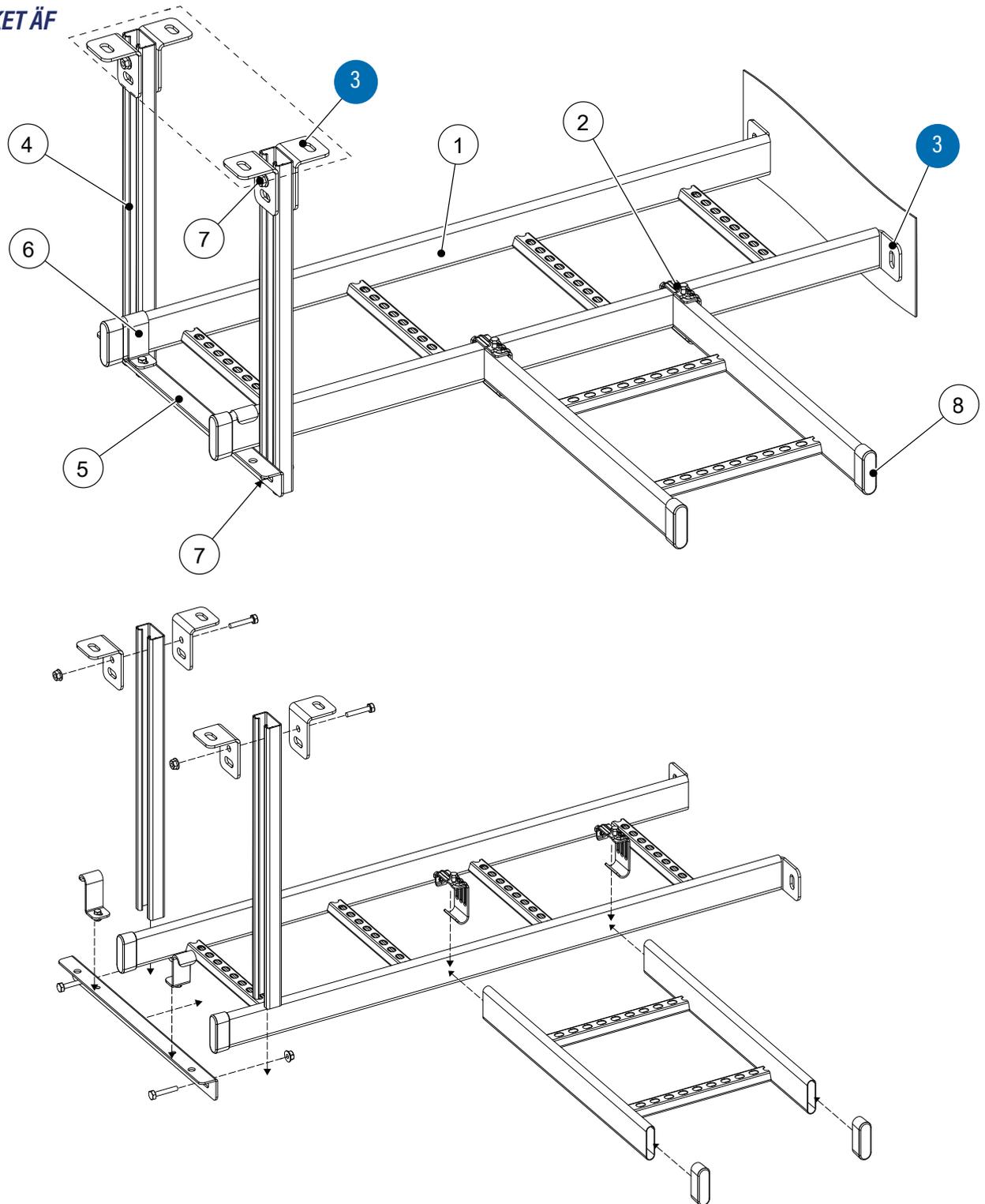
WALL BRACKETS VK2 AND VK3



| NO | PRODUCT | | PCS |
|----|--------------|-------------------|-----|
| 1 | Cable ladder | KS | 3 |
| 2 | Wall bracket | VK2 | 4 |
| 3 | Wall bracket | VK3 | 2 |
| 4 | Gate support | TPK + KK + MU M10 | 2 |
| 5 | Luminaire | | 1 |

SUPPORTS

CABLE LADDERS END BRACKET ÄF

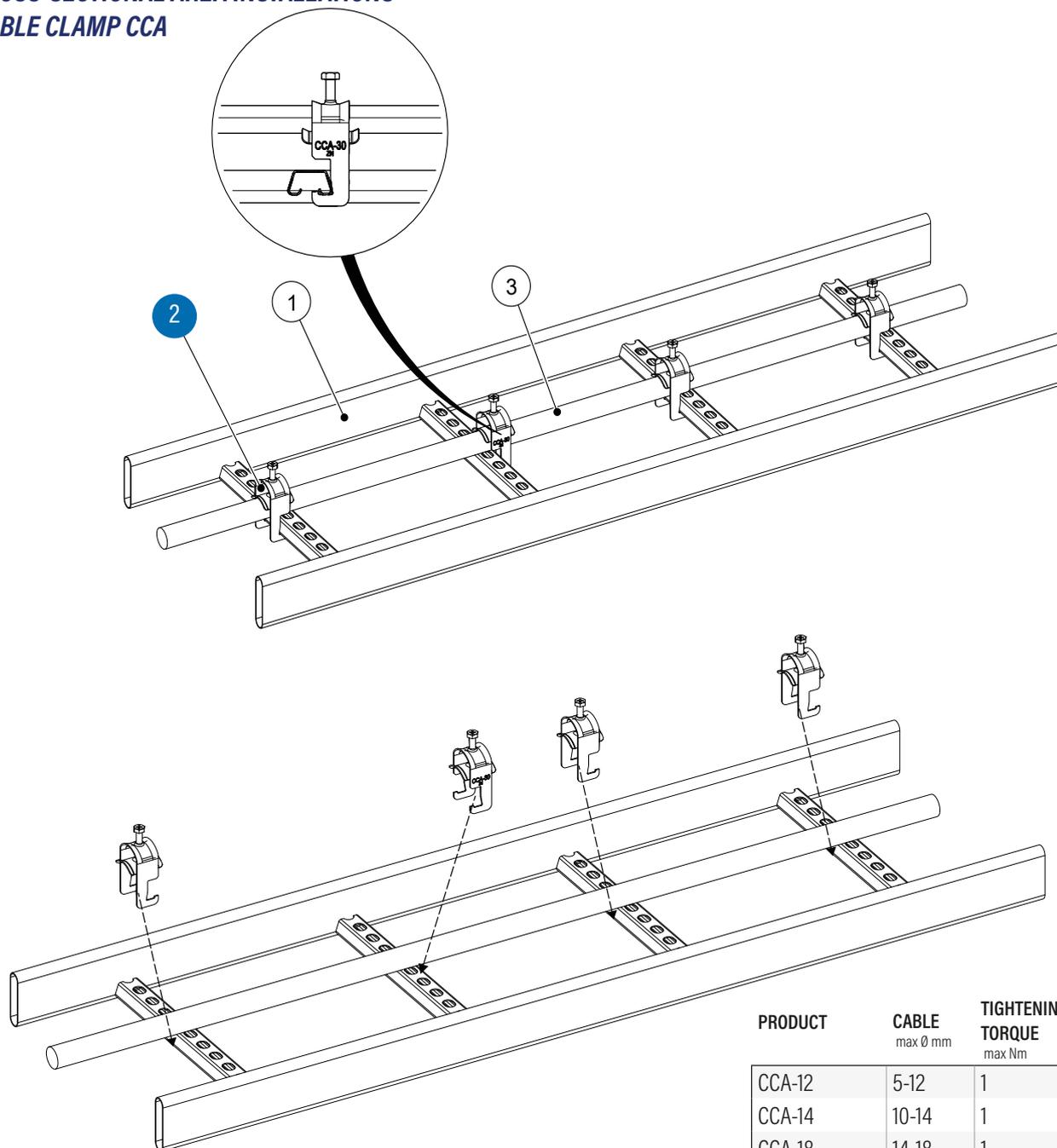


| NO | PRODUCT | | PCS |
|----|------------------|-----|-----|
| 1 | Cable ladder | KS | 2 |
| 2 | T-branch bracket | VF | 2 |
| 3 | End bracket | ÄF | 6 |
| 4 | Mounting rail | AS | 2 |
| 5 | Gate support | TPK | 1 |
| 6 | Bracket | KK | 2 |
| 7 | Bolt set | RS2 | 2 |
| 8 | End plug | ÄP | 4 |

CABLE LADDERS



CROSS-SECTIONAL AREA INSTALLATIONS CABLE CLAMP CCA

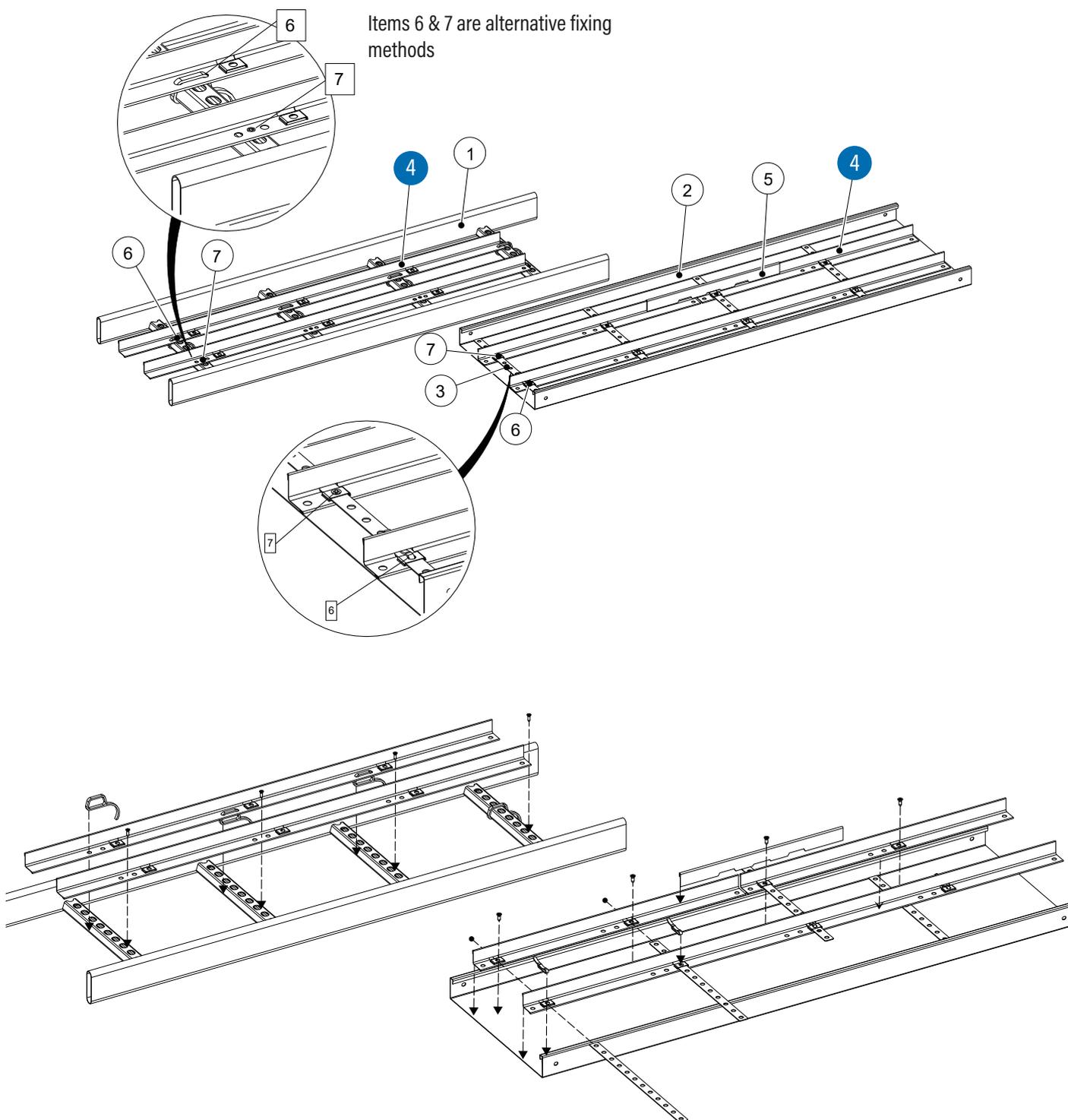


| PRODUCT | CABLE max Ø mm | TIGHTENING TORQUE max Nm |
|---------|-------------------|--------------------------------|
| CCA-12 | 5-12 | 1 |
| CCA-14 | 10-14 | 1 |
| CCA-18 | 14-18 | 1 |
| CCA-22 | 17-22 | 1.5 |
| CCA-26 | 21-26 | 1.5 |
| CCA-30 | 25-30 | 1.5 |
| CCA-34 | 29-34 | 1.5 |
| CCA-40 | 35-40 | 2 |
| CCA-46 | 41-46 | 2 |
| CCA-52 | 47-52 | 2 |
| CCA-60 | 53-60 | 3 |
| CCA-82 | 61-82 | 3 |

| NO | PRODUCT | | PCS |
|----|--------------|-----|-----|
| 1 | Cable ladder | KS | 1 |
| 2 | Cable clamp | CCA | 4 |
| 3 | Cable | | 1 |

CABLE LADDERS

CROSS-SECTIONAL AREA INSTALLATIONS SEPARATION PLATE AP

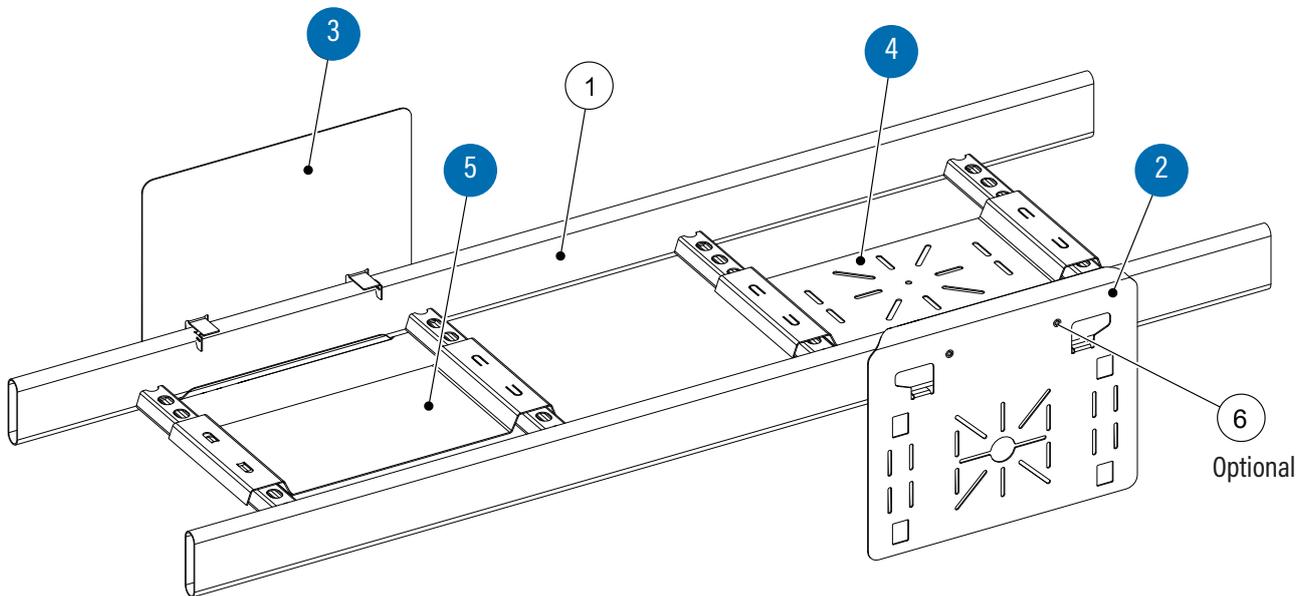


| NO | PRODUCT | | PCS |
|----|--------------------------|-----------|-----|
| 1 | Cable ladder | KS | 1 |
| 2 | Cable tray | KRA / KRB | 1 |
| 3 | Separation plate support | APT | 4 |
| 4 | Separation plate | AP | 5 |
| 5 | Coupling piece Joint | APJ | 1 |
| 6 | Cable tie | | 8 |
| 7 | Drilling screw | | 8 |

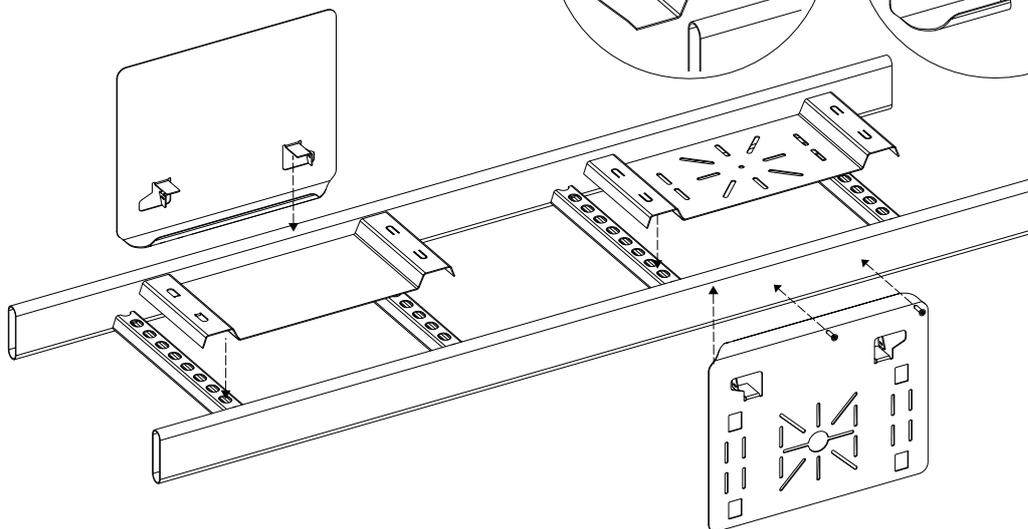
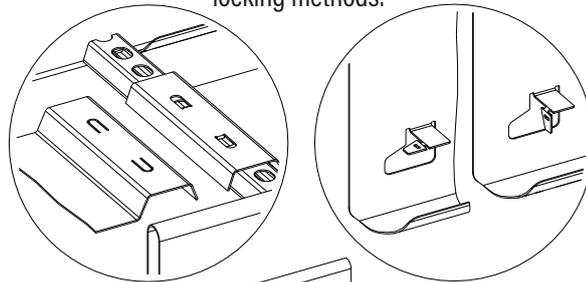
CABLE LADDERS



CROSS-SECTIONAL AREA INSTALLATIONS MOUNTING PLATES DPA/DPB AND DPA-O/DPB-O



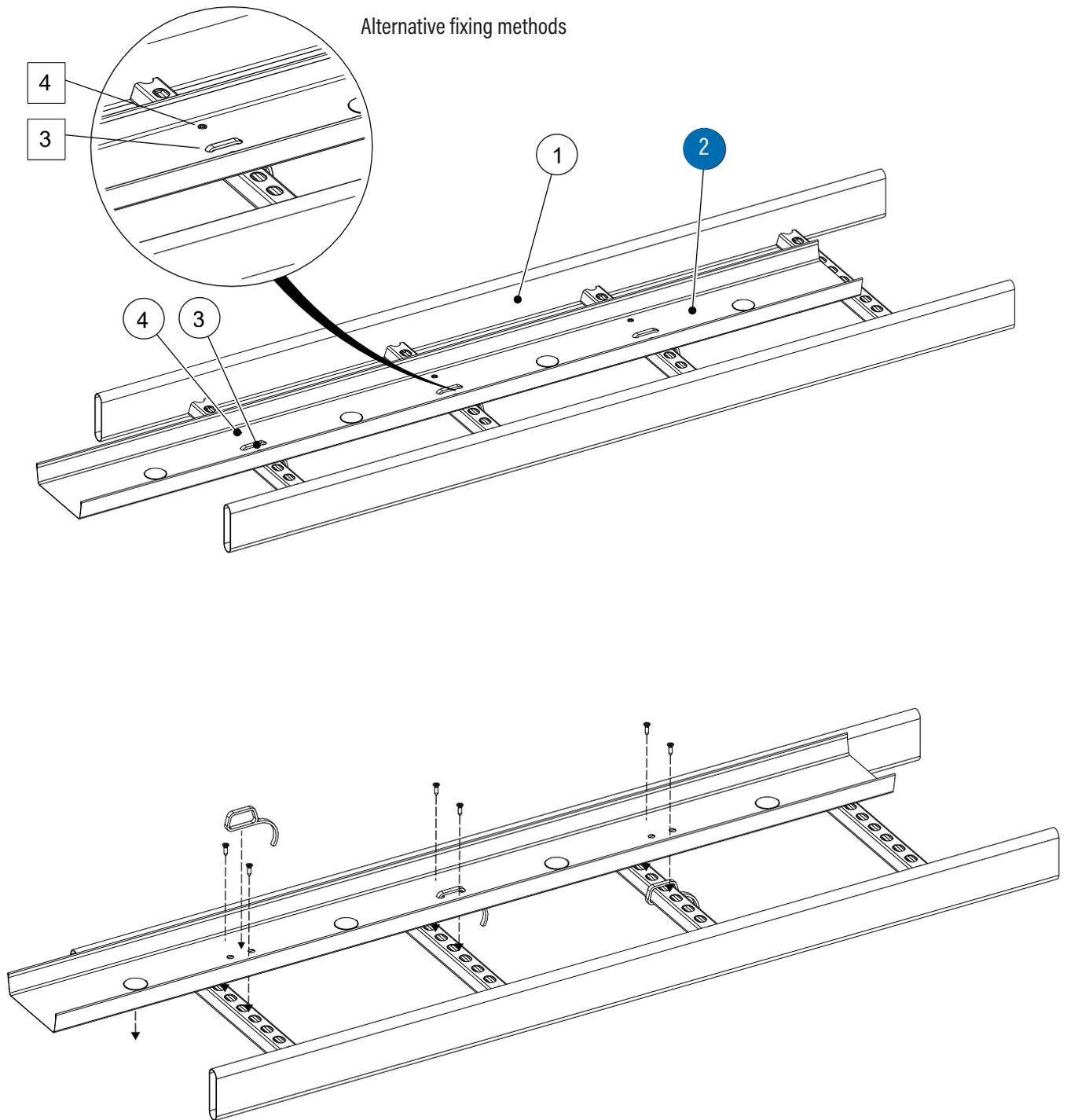
locking methods:



| NO | PRODUCT | | PCS |
|----|-------------------|-------|-----|
| 1 | Cable ladder | KS | 1 |
| 2 | Mounting plate | DPA | 1 |
| 3 | Mounting plate | DPA-O | 1 |
| 4 | Mounting plate | DPB | 1 |
| 5 | Mounting plate | DPB-O | 1 |
| 6 | Sheet metal screw | | |

CABLE LADDERS

CROSS-SECTIONAL AREA INSTALLATIONS LOW VOLTAGE GUTTER SR

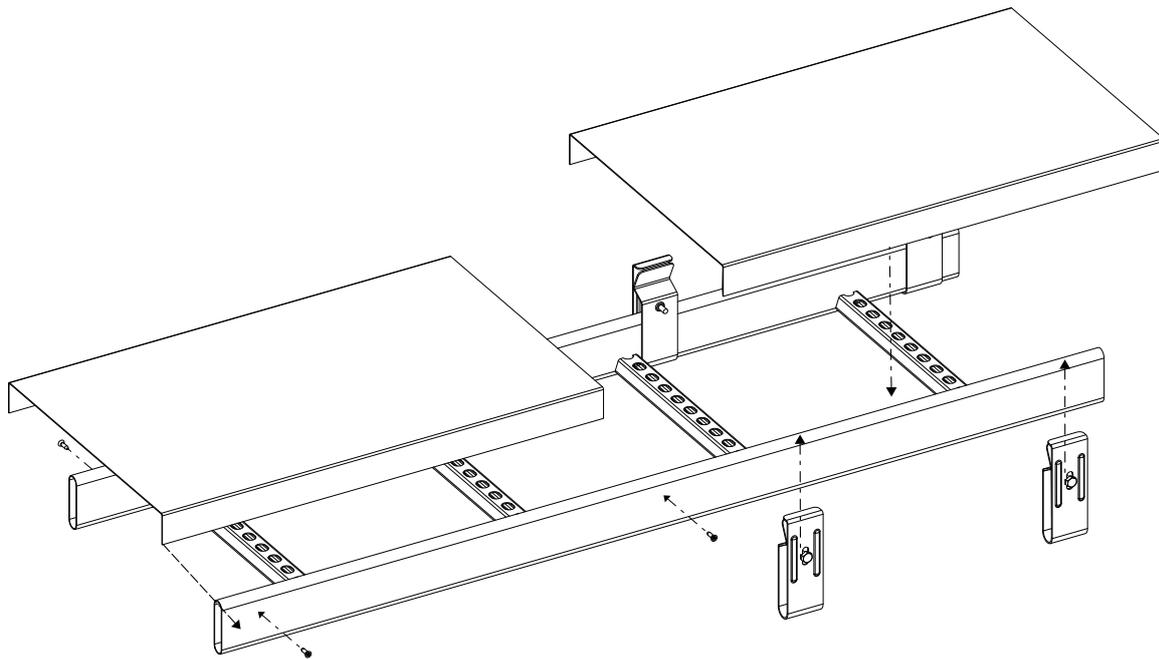
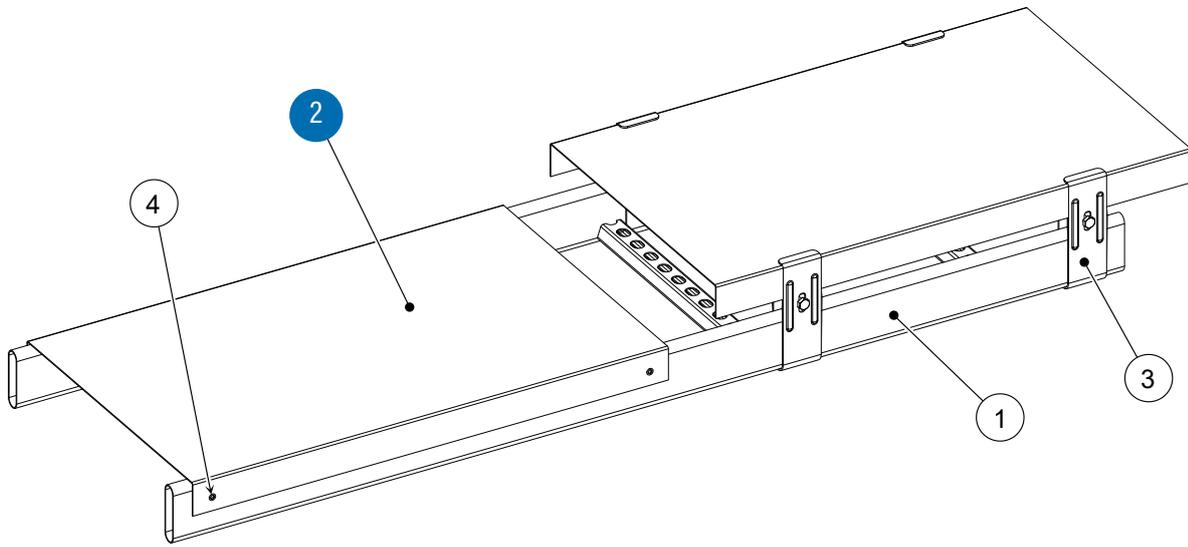


| NO | PRODUCT | | PCS |
|----|--------------------|----|-----|
| 1 | Cable ladder | KS | 1 |
| 2 | Low voltage gutter | SR | 1 |
| 3 | Cable tie | | 3 |
| 4 | Drilling screw | | 6 |

CABLE LADDERS



COVERING COVER KRL-KS

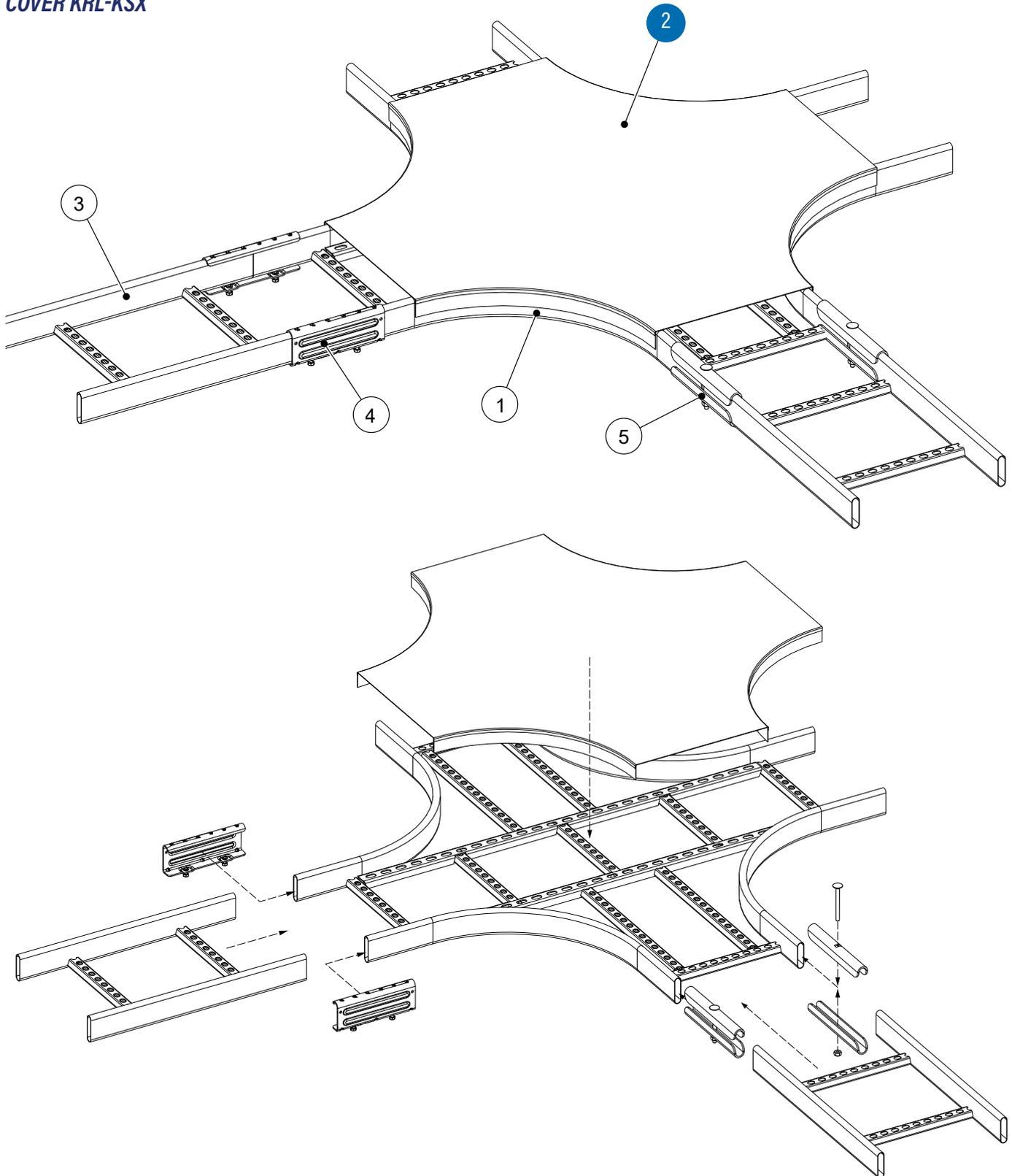


| NO | PRODUCT | | PCS |
|----|-------------------|--------|-----|
| 1 | Cable ladder | KS | 1 |
| 2 | Cover | KRL-KS | 2 |
| 3 | Cover bracket | KAP | 4 |
| 4 | Sheet metal screw | | 4 |

CABLE LADDERS



COVERING COVER KRL-KSX



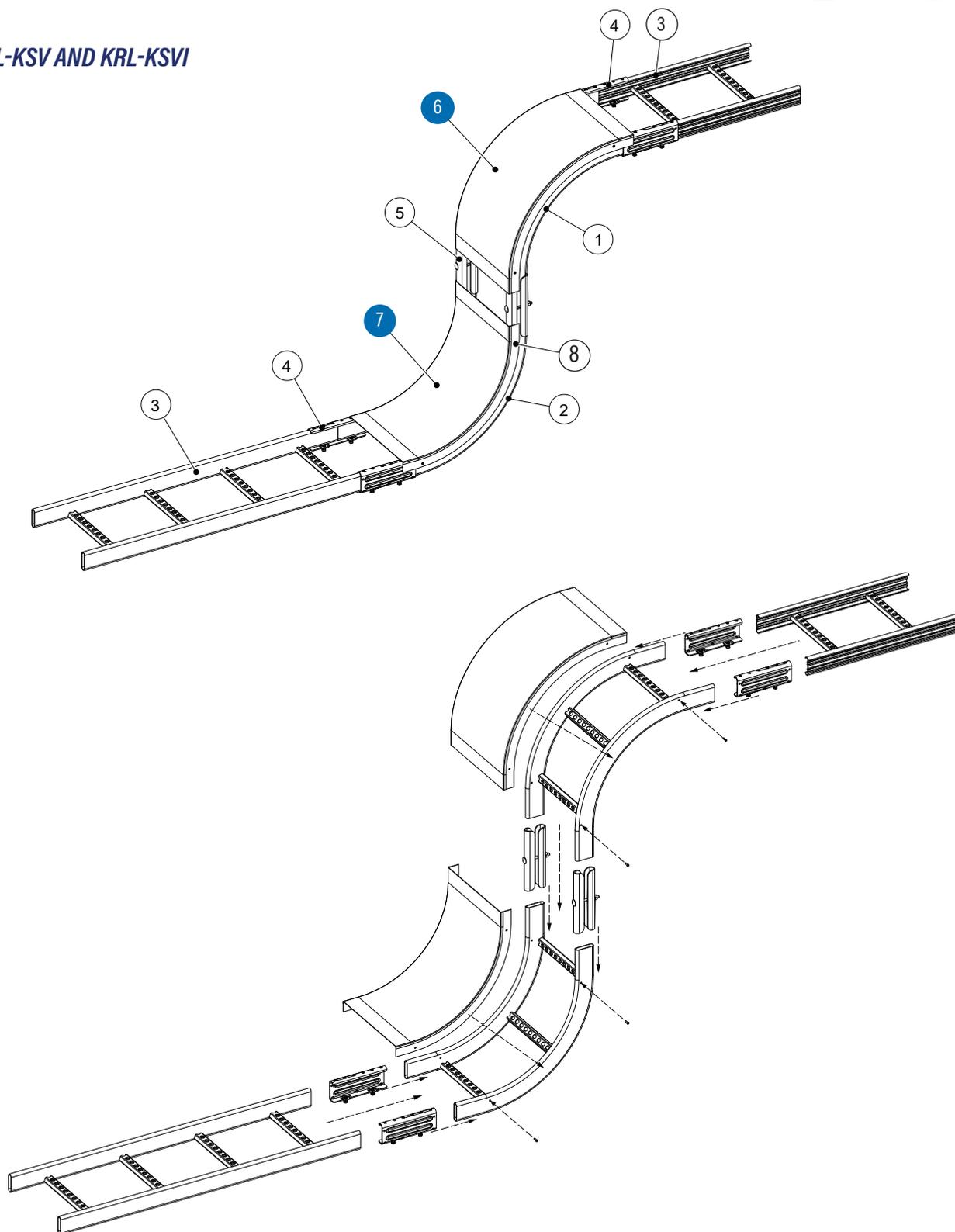
| NO | PRODUCT | | PCS |
|----|--------------|---------|-----|
| 1 | X-piece | KSX | 1 |
| 2 | Cover | KRL-KSX | 1 |
| 3 | Cable ladder | KS | 2 |
| 4 | Joint | SSR | 2 |
| 5 | Joint | SSU | 2 |

CABLE LADDERS



COVERING

COVERS KRL-KSV AND KRL-KSVI

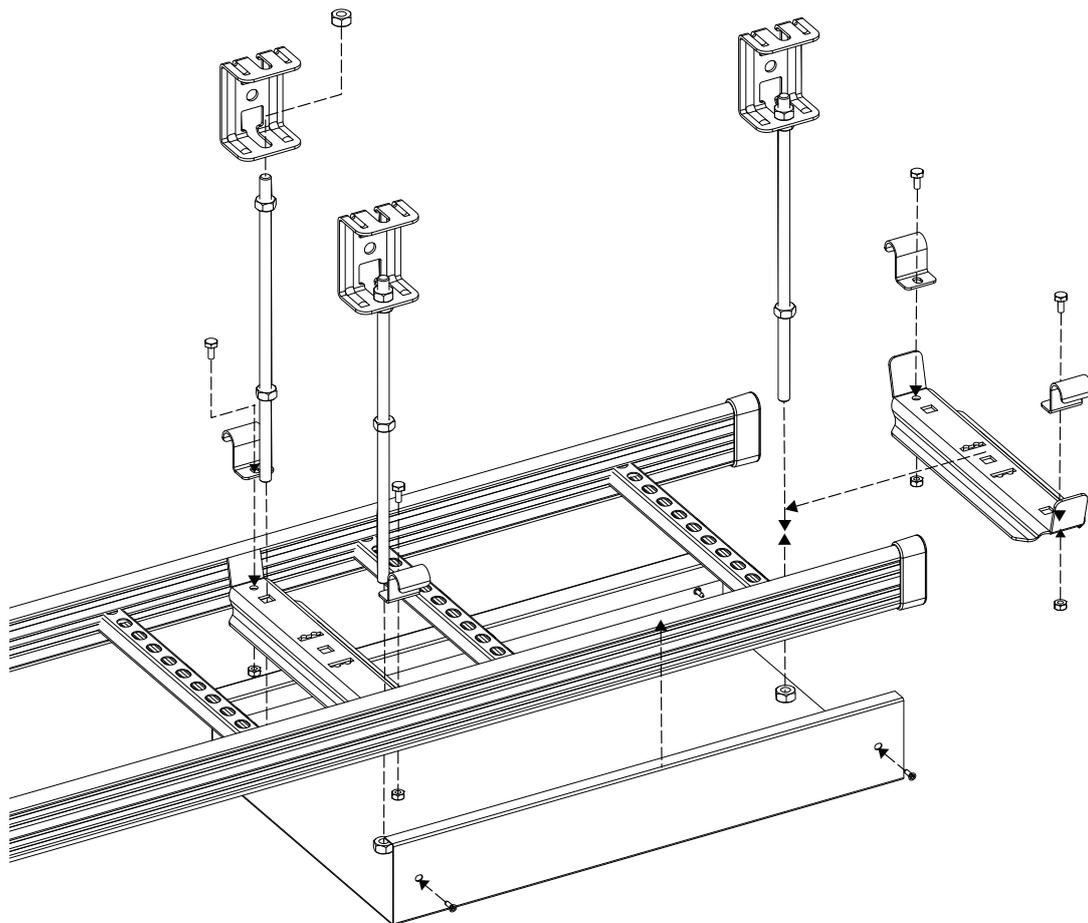
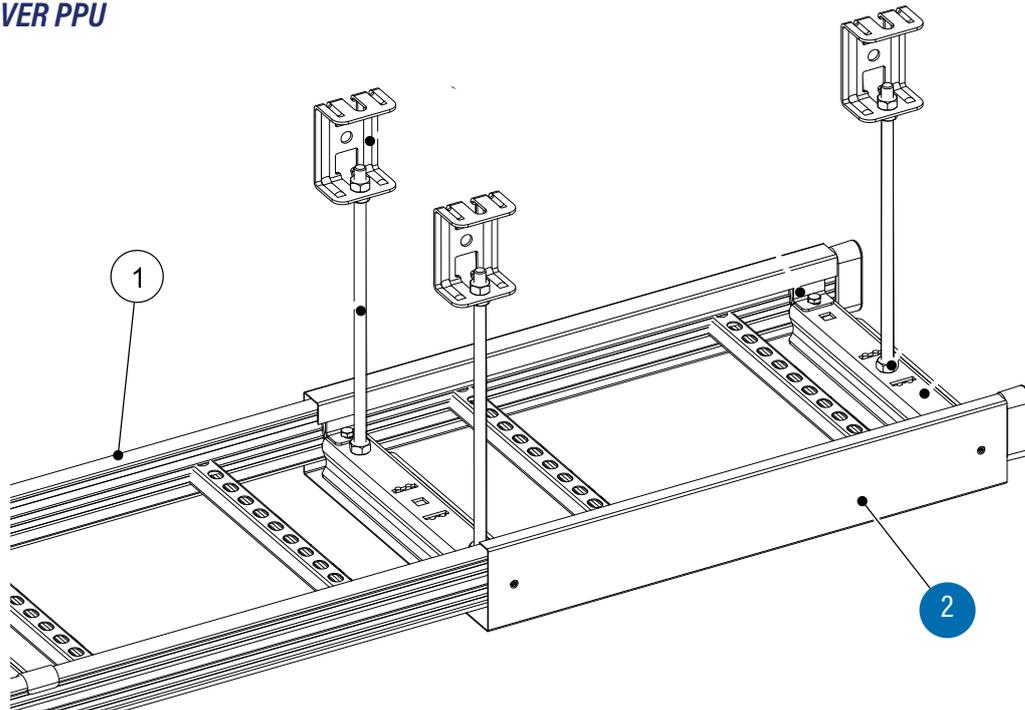


| NO | PRODUCT | | PCS |
|----|------------------------|----------|-----|
| 1 | Vertical bend, outside | KSV | 1 |
| 2 | Vertical bend, inside | KSVI | 1 |
| 3 | Cable ladder | KS | 2 |
| 4 | Joint | SSR | 4 |
| 5 | Joint | SSU | 2 |
| 6 | Cover | KRL-KSV | 1 |
| 7 | Cover | KRL-KSVI | 1 |
| 8 | Sheet metal screw | | 8 |

CABLE LADDERS



COVERING BOTTOM COVER PPU

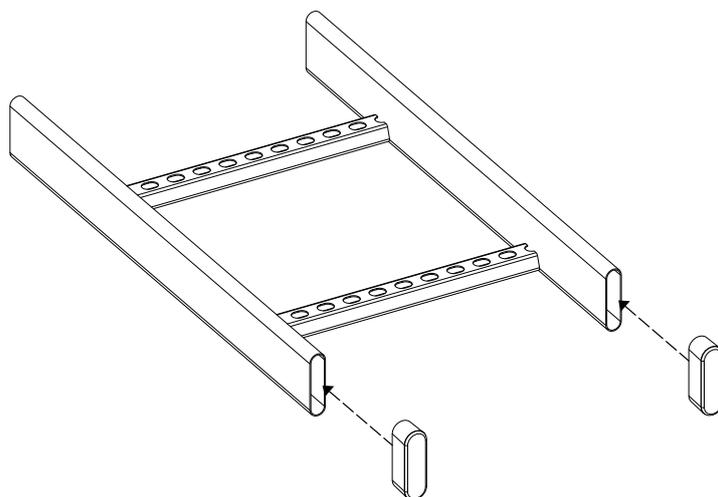
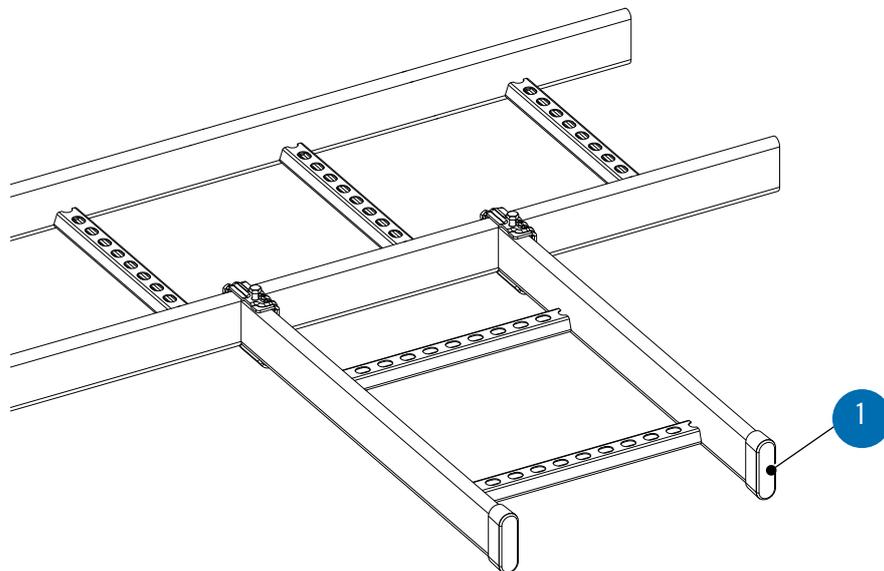


| NO | PRODUCT | | PCS |
|----|--------------|-------------|-----|
| 1 | Cable ladder | KS20 / KS60 | 1 |
| 2 | Bottom cover | PPU | 1 |

CABLE LADDERS



COVERING END PLUG ÄP



NO PRODUCT

PCS

| | | | |
|---|----------|----|---|
| 1 | End plug | ÄP | 2 |
|---|----------|----|---|

INSTALLATION INSTRUCTIONS

CABLE TRAYS | EXTENSIONS | SUPPORTS | COVERING

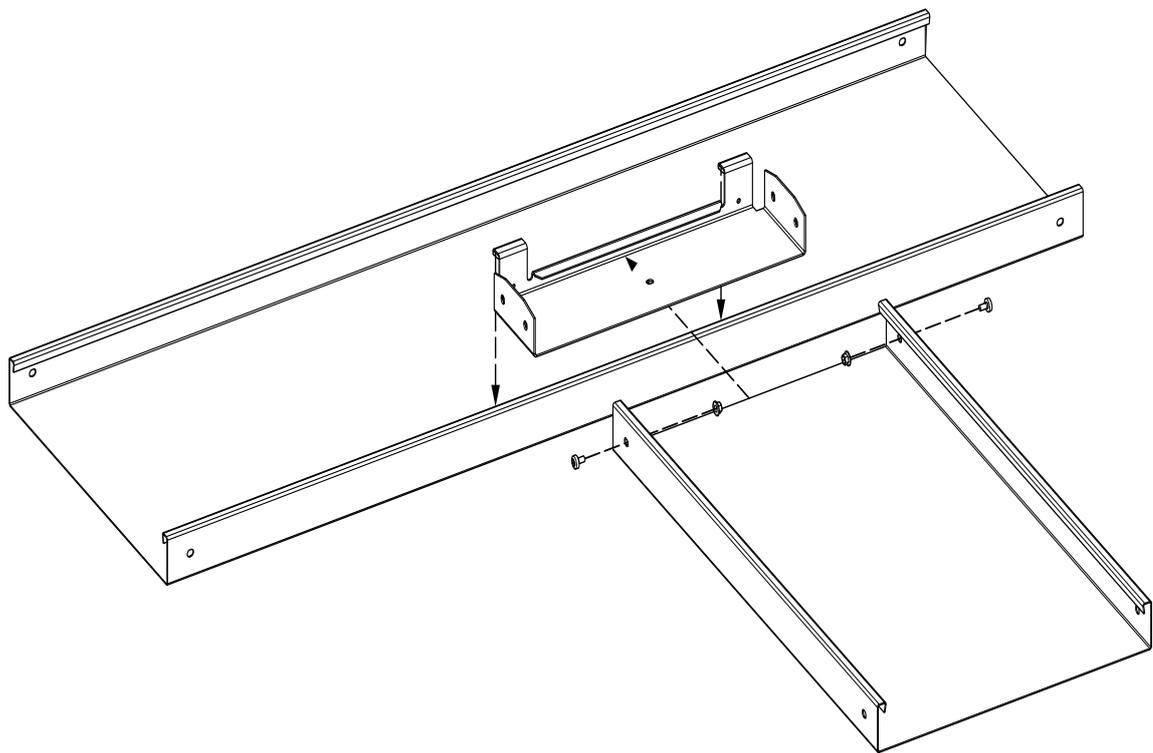
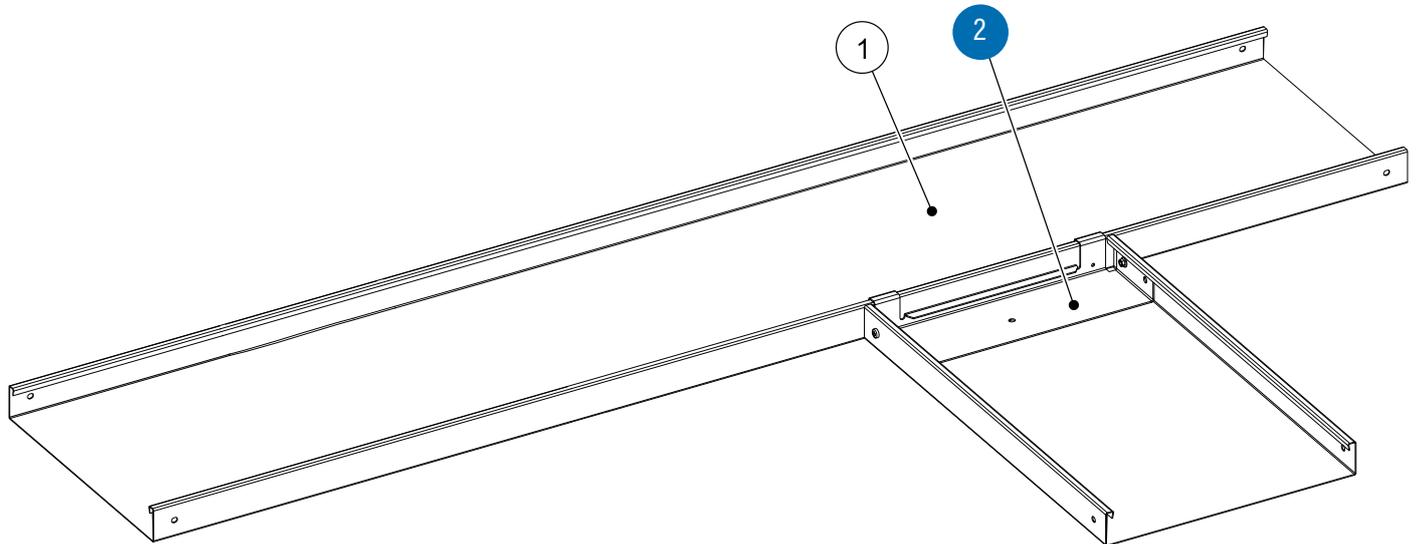


CABLE TRAYS



EXTENSIONS

T-BRANCH BRACKET TKU

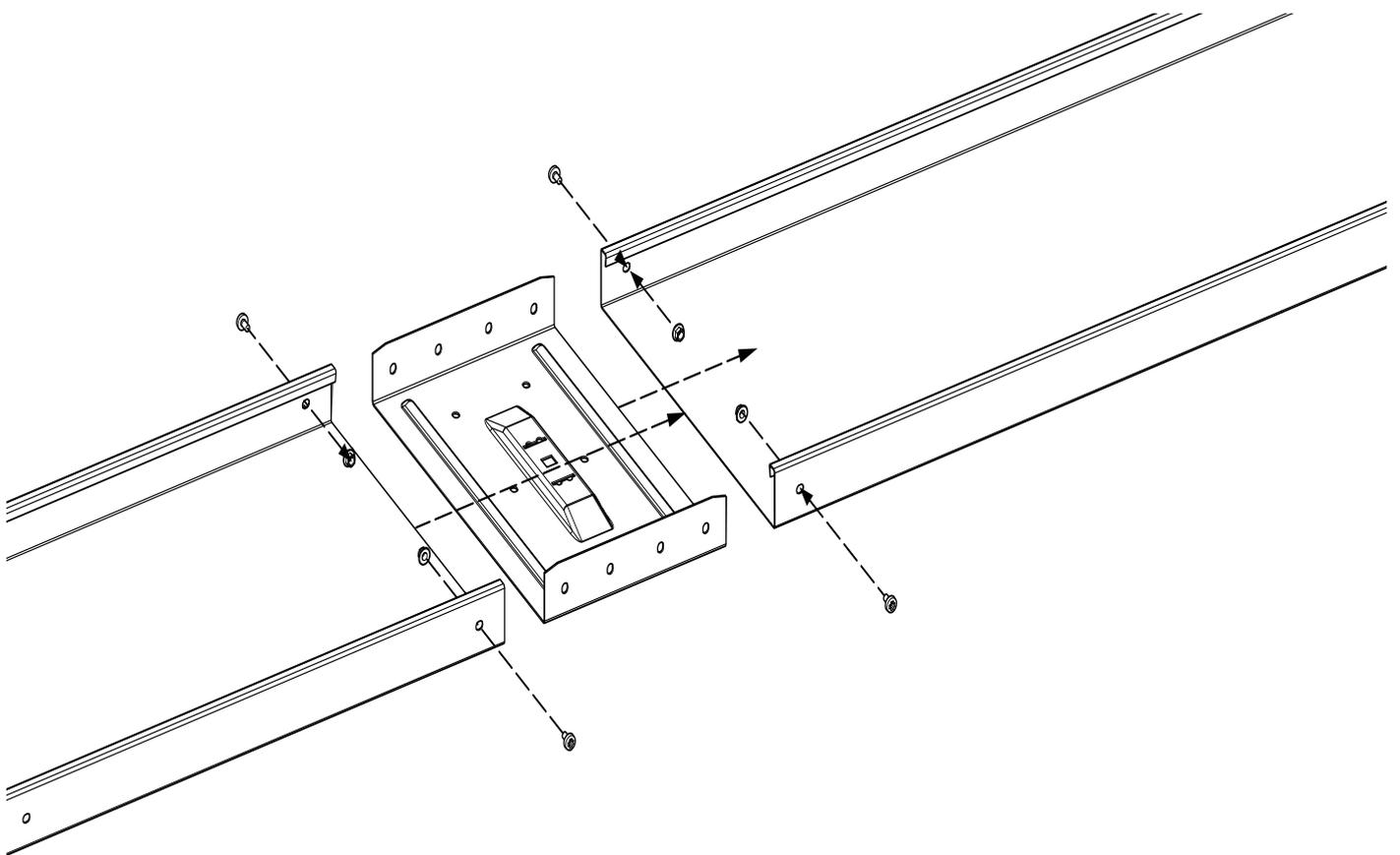
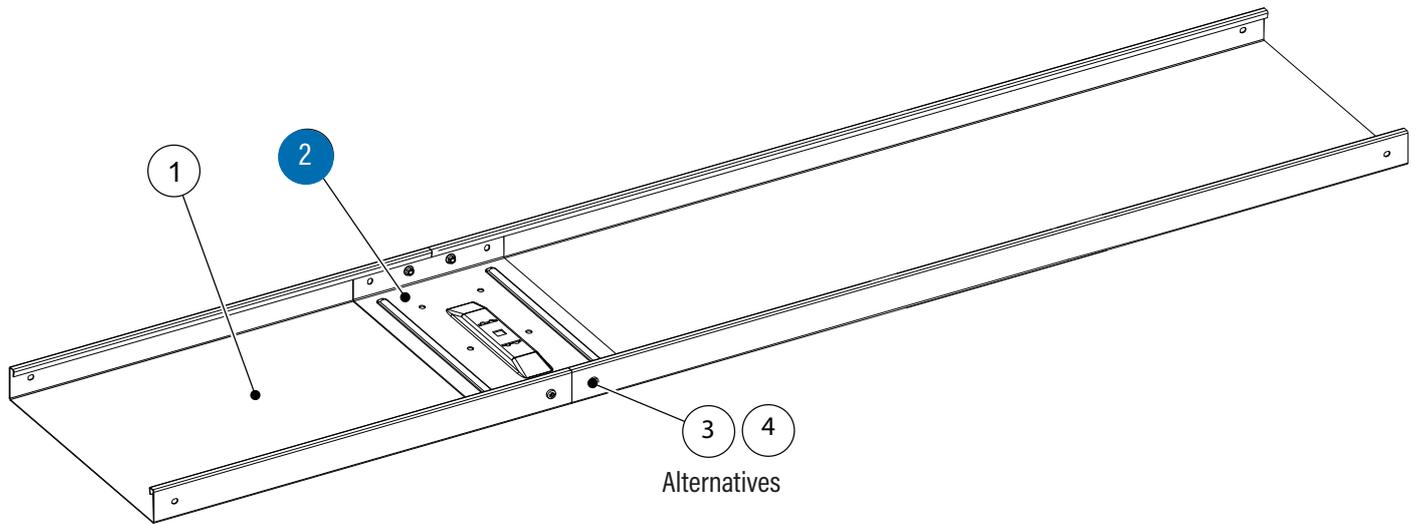


| NO | PRODUCT | | PCS |
|----|------------------|-----|-----|
| 1 | Cable tray | KRA | 3 |
| 2 | T-branch bracket | TKU | 1 |

CABLE TRAYS



EXTENSIONS JOINT RSS



NO **PRODUCT** **PCS**

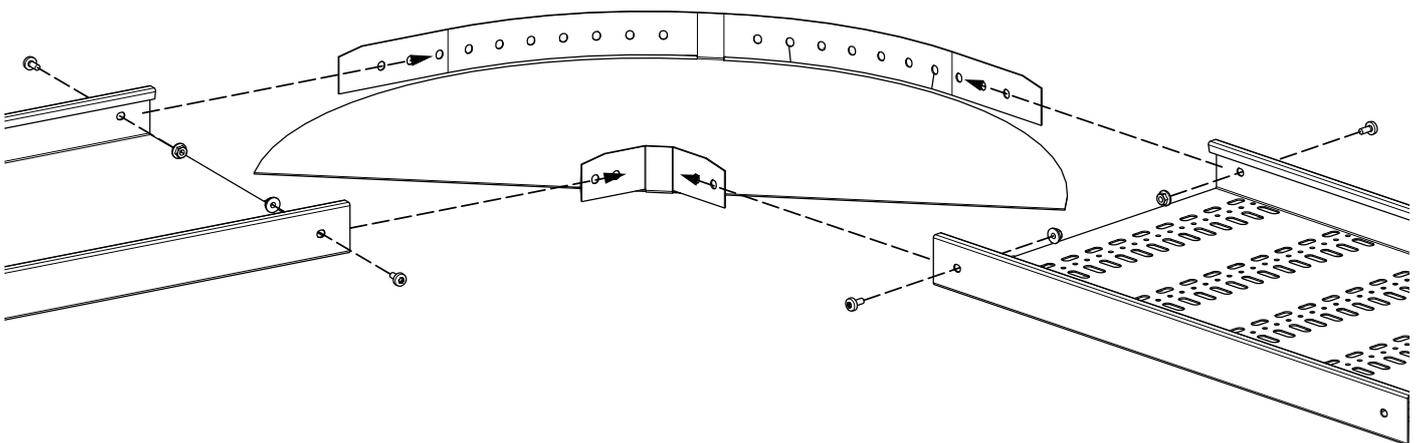
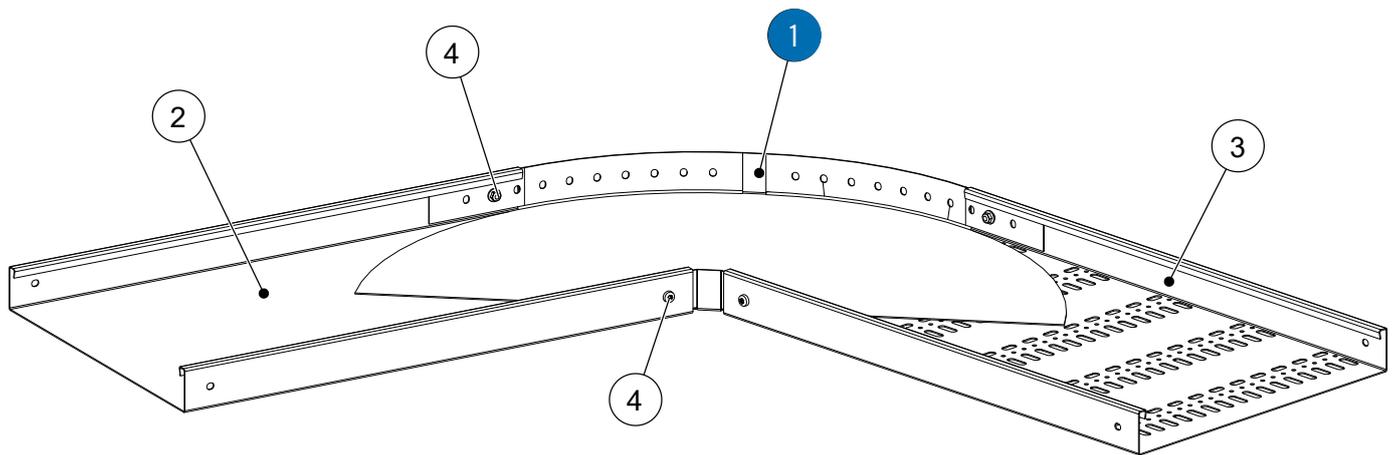
| | | | |
|---|------------|-------------|---|
| 1 | Cable tray | KRA | 3 |
| 2 | Joint | RSS | 1 |
| 3 | Bolt set | RS MEK J 10 | 6 |
| 4 | Bolt set | RS TKU M | 6 |

CABLE TRAYS



EXTENSIONS

ADJUSTABLE CORNER PIECE SRS

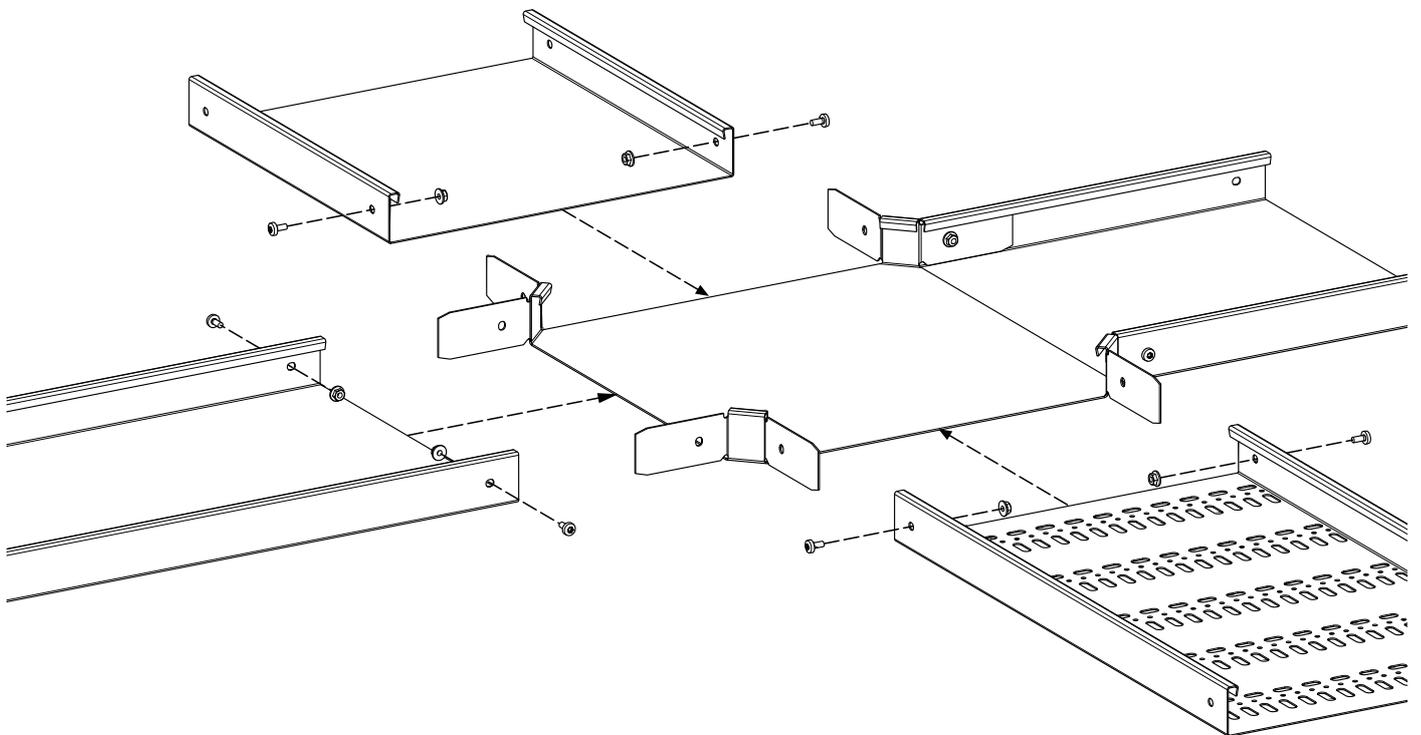
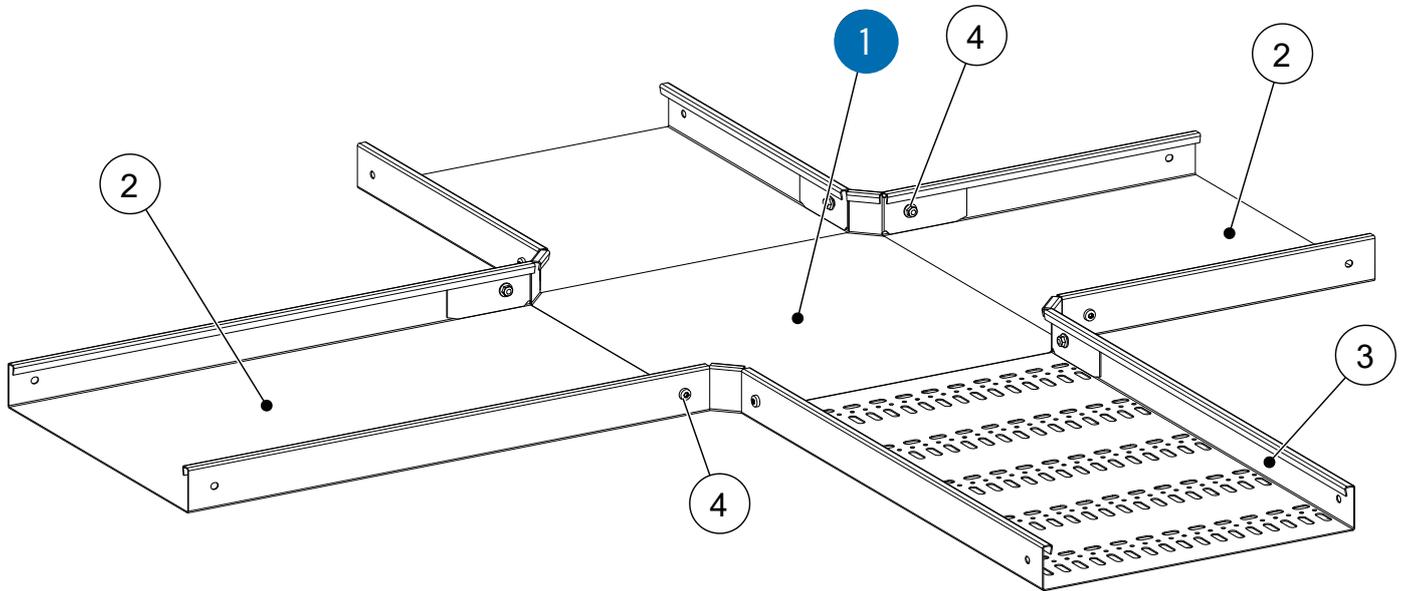


| NO | PRODUCT | | PCS |
|----|-------------------------|---------------------------|-----|
| 1 | Adjustable corner piece | SRS | 1 |
| 2 | Cable tray | KRA | 1 |
| 3 | Cable tray | KRB | 1 |
| 4 | Screw set | RS MEK J 10 EG / RS TKU M | 4 |

CABLE TRAYS



EXTENSIONS X-PIECE RX



NO PRODUCT PCS

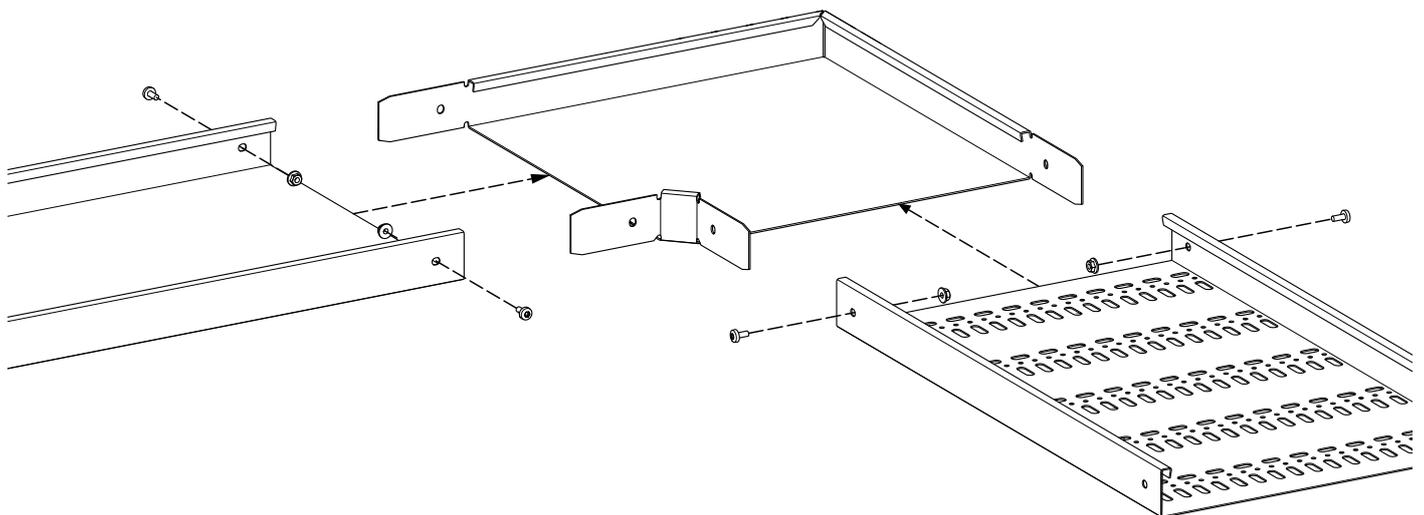
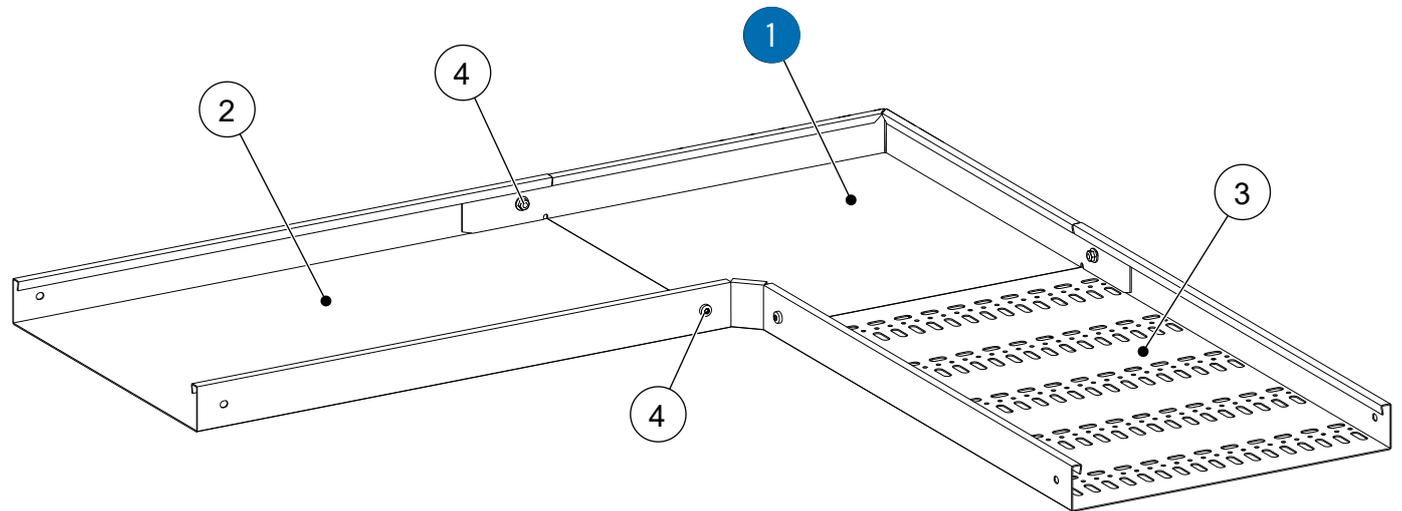
| | | | |
|---|------------|---------------------------|---|
| 1 | X-piece | RX | 1 |
| 2 | Cable tray | KRA | 3 |
| 3 | Cable tray | KRB | 1 |
| 4 | Screw set | RS MEK J 10 EG / RS TKU M | 8 |

CABLE TRAYS



EXTENSIONS

CORNER PIECE RS90



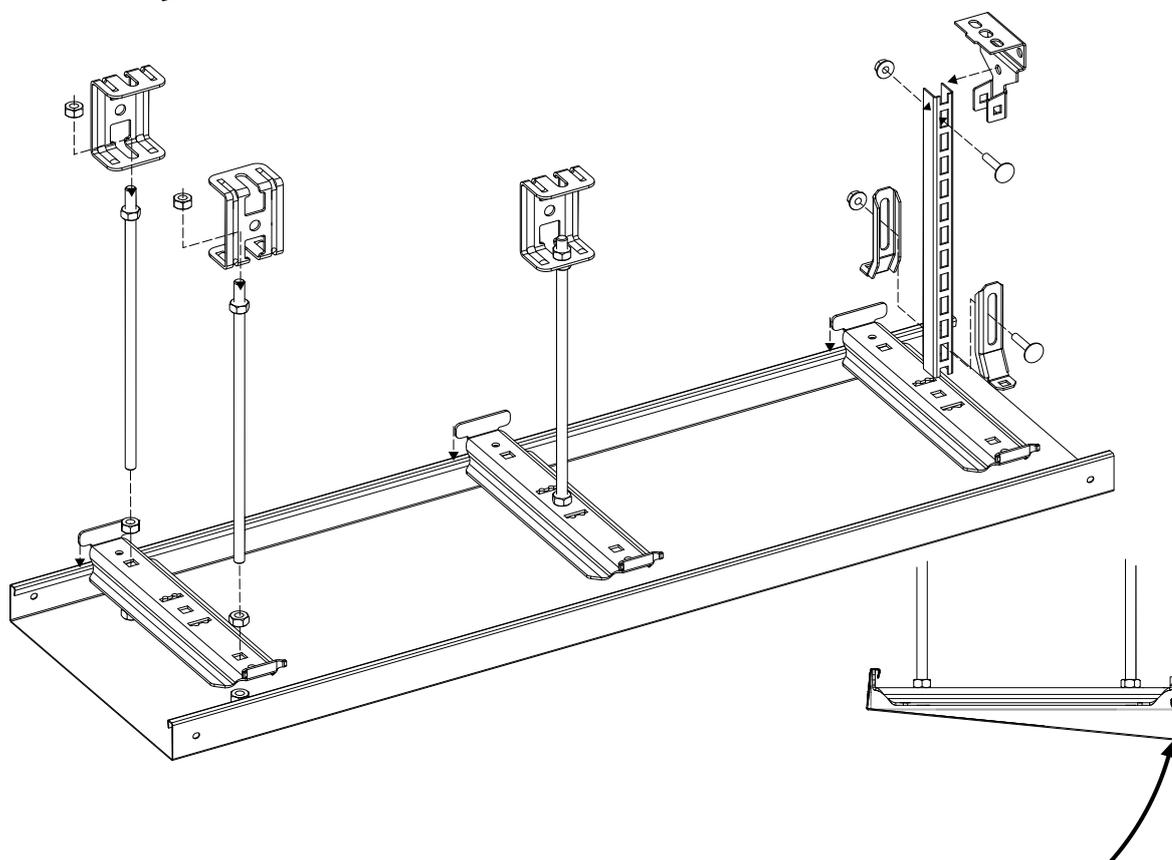
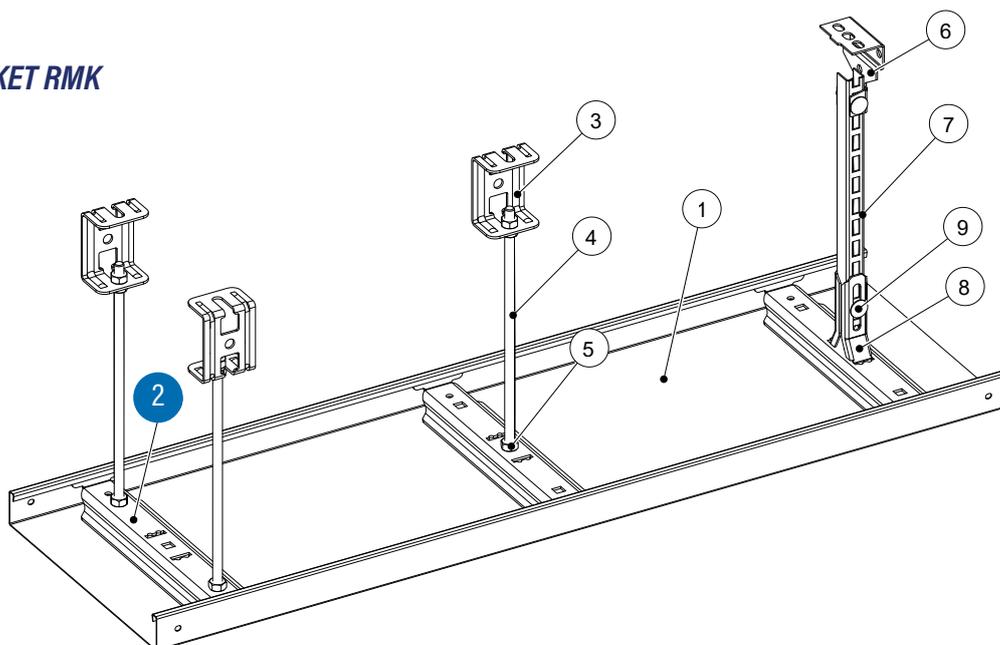
| NO | PRODUCT | | PCS |
|----|--------------|---------------------------|-----|
| 1 | Corner piece | RS90 | 1 |
| 2 | Cable tray | KRA | 1 |
| 3 | Cable tray | KRB | 1 |
| 4 | Screw set | RS MEK J 10 EG / RS TKU M | 4 |

CABLE TRAYS



SUPPORTS

CENTER BRACKET RMK



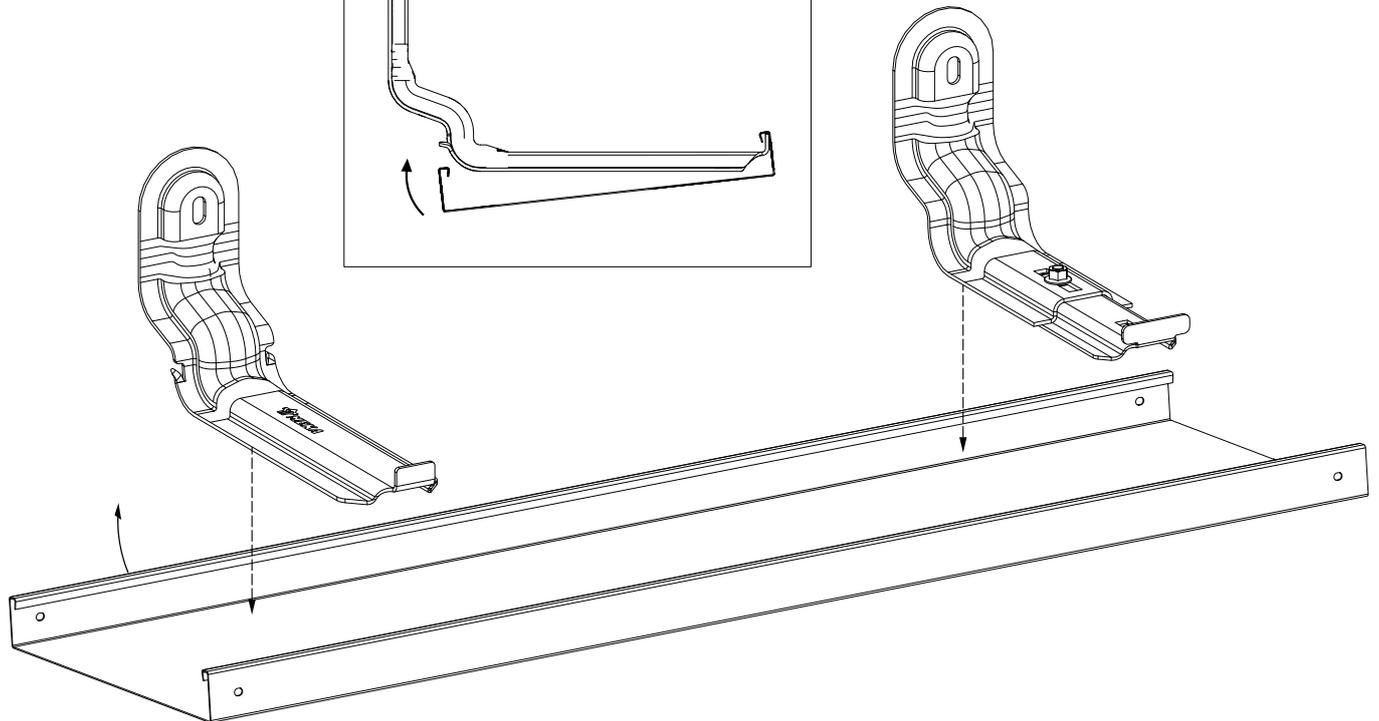
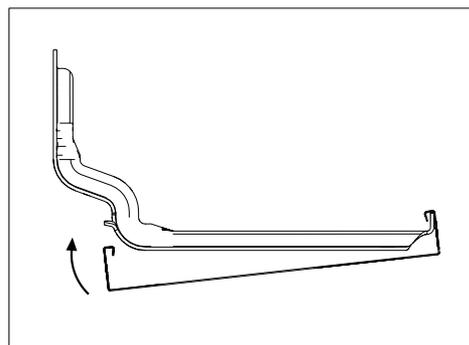
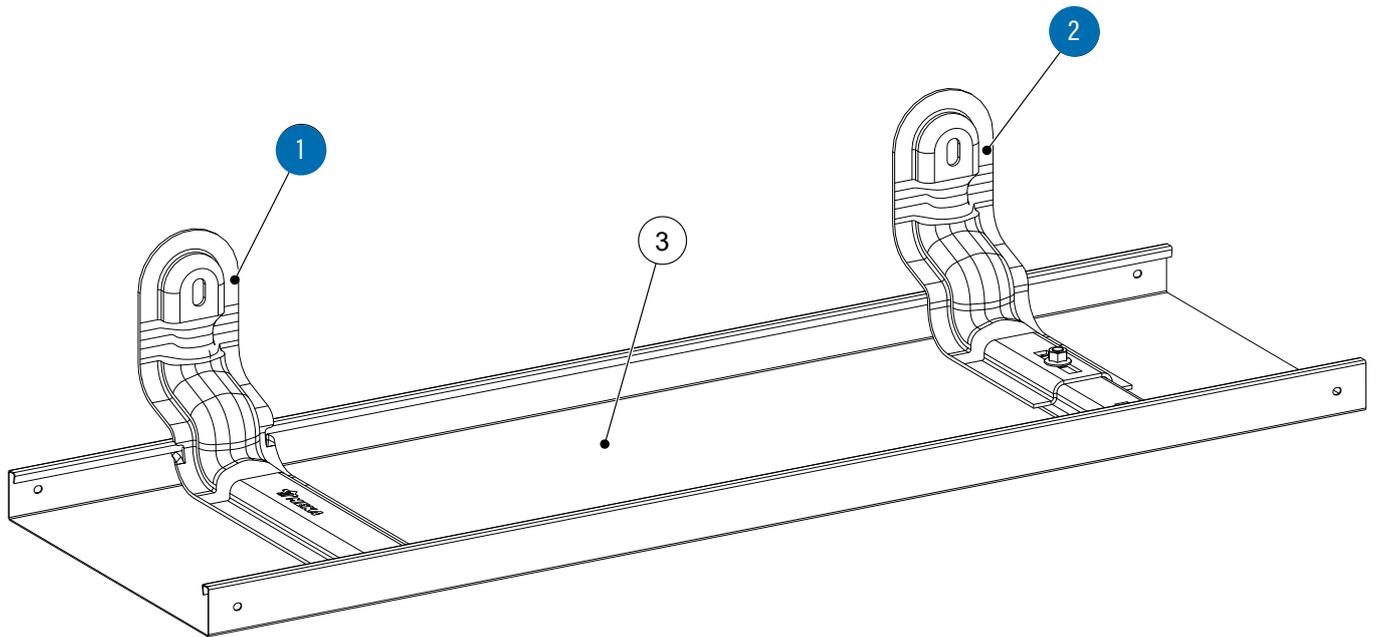
| NO | PRODUCT | | PCS |
|----|----------------------|-----------------|-----|
| 1 | Cable tray | KRA / KRB | 1 |
| 2 | Intermediate support | RMK | 3 |
| 3 | Ceiling bracket | RTF-10 / RTF-16 | 3 |
| 4 | Threaded rod | GT-10 / GT 16 | 3 |
| 5 | Nut | MU M10 / MU M16 | 12 |
| 6 | Ceiling bracket | PF | 1 |
| 7 | Mounting rail | PS | 1 |
| 8 | Bracket for PS rail | PSF | 2 |
| 9 | Bolt set | RS-PSF | 2 |

CABLE TRAYS



SUPPORTS

WALL BRACKET RVK AND SVK

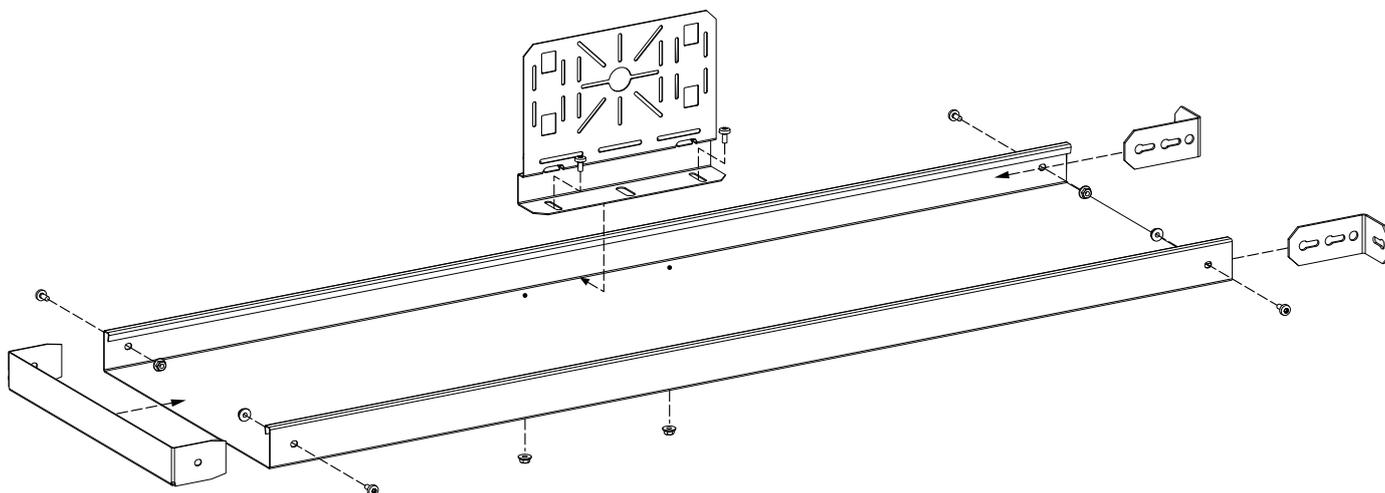
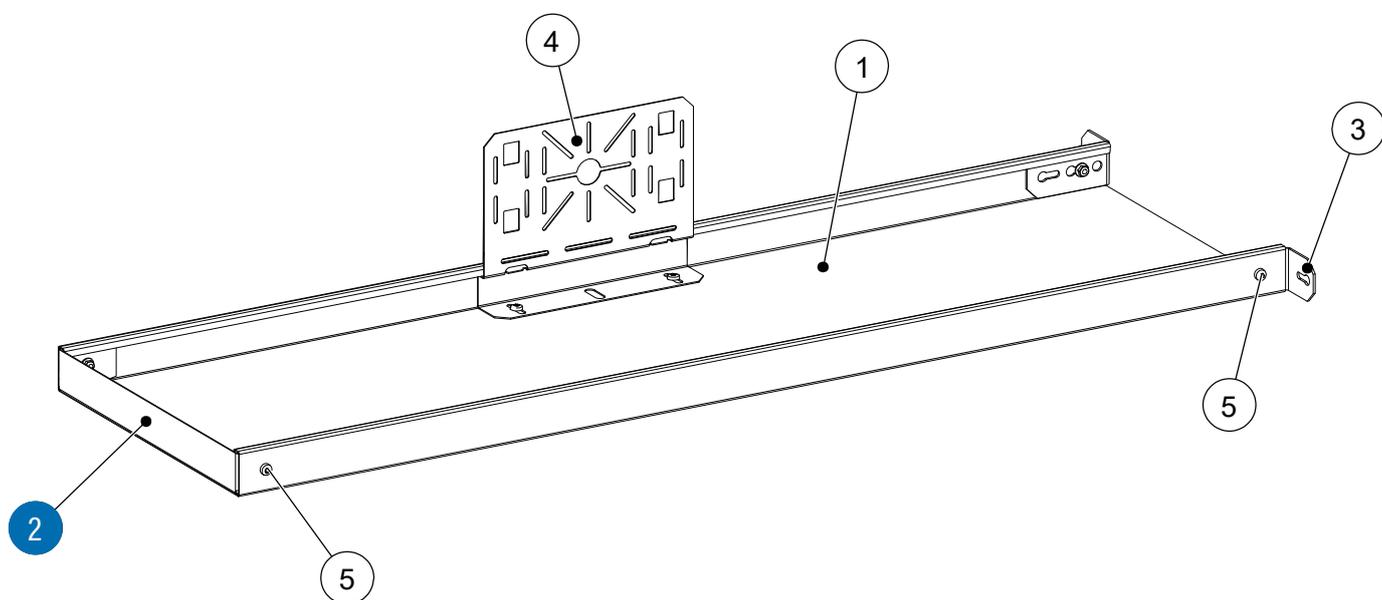


| NO | PRODUCT | | PCS |
|----|--------------------------|-----------|-----|
| 1 | Wall bracket | RVK | 1 |
| 2 | Wall bracket, adjustable | SVK | 1 |
| 3 | Cable tray | KRA / KRB | 1 |

CABLE TRAYS

COVERING

END PLATE P KRA

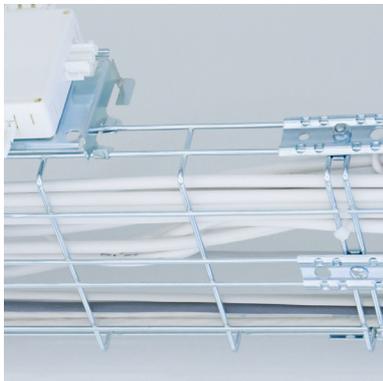


NO PRODUCT PCS

| | | | |
|---|----------------|---------------------------|---|
| 1 | Cable tray | KRA / KRB | 1 |
| 2 | End plate | P KRA | 1 |
| 3 | End bracket | RÄF | 2 |
| 4 | Mounting plate | RDP | 1 |
| 5 | Screw set | RS MEK J 10 EG / RS TKU M | 4 |

INSTALLATION INSTRUCTIONS

WIRE MESH TRAYS | EXTENSIONS | SUPPORTS | CROSS-SECTIONAL AREA INSTALLATIONS

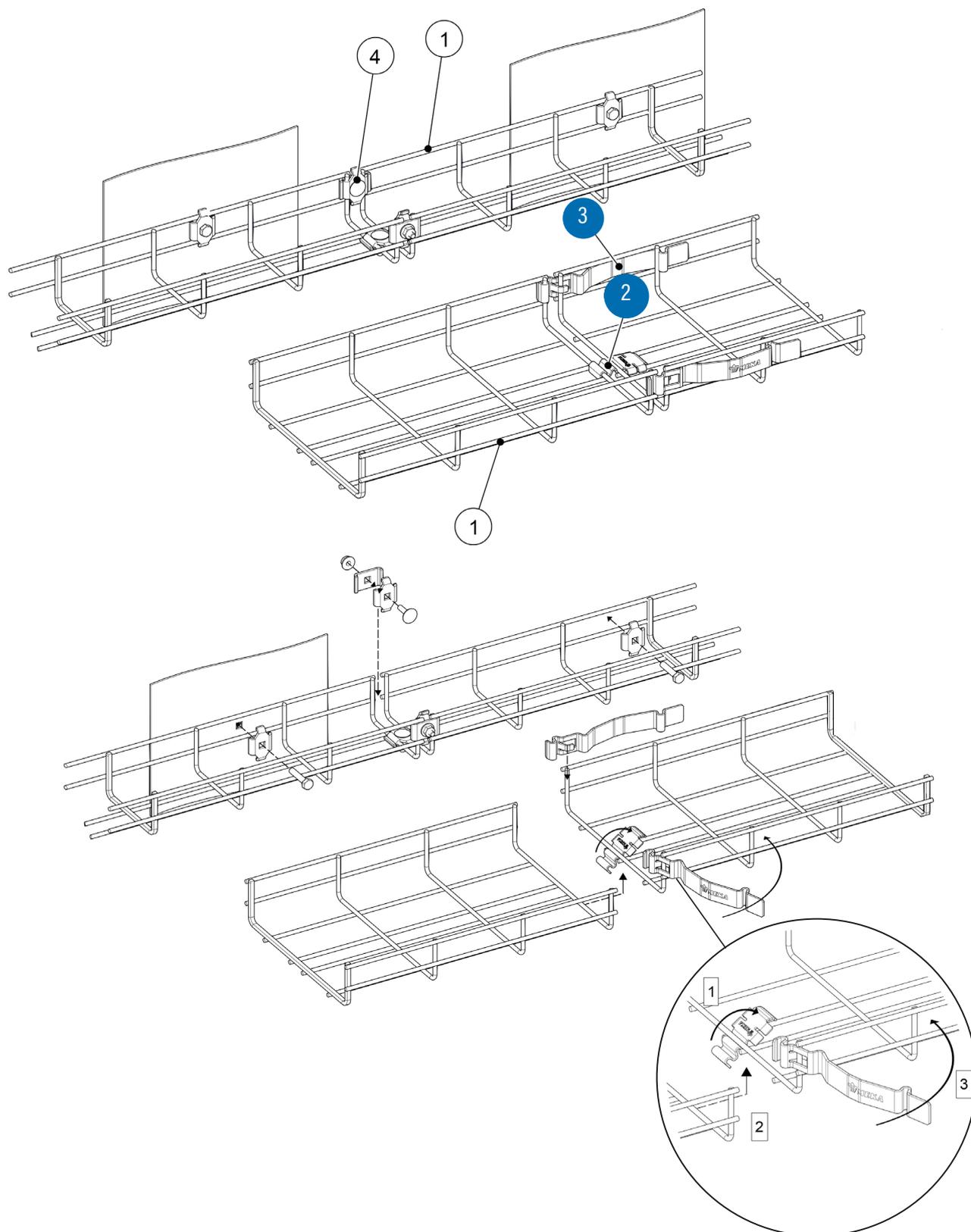


WIRE MESH TRAYS



EXTENSIONS

SNAP IN CONNECTORS WMT SC1 AND WMT SC2



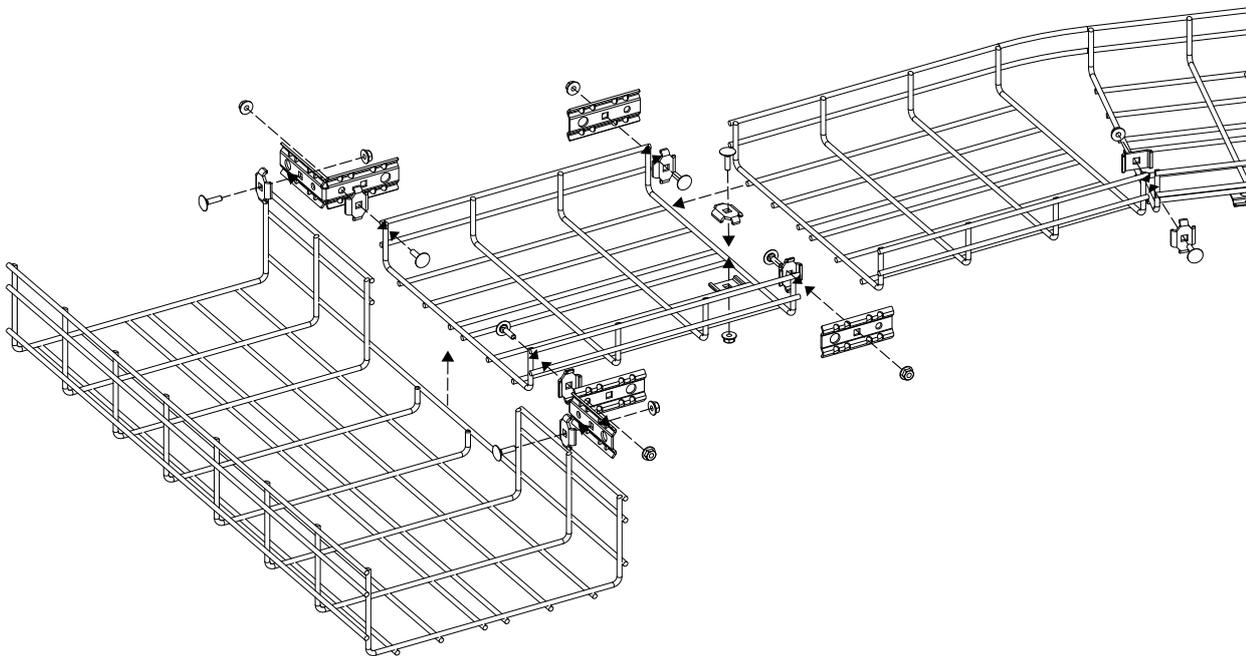
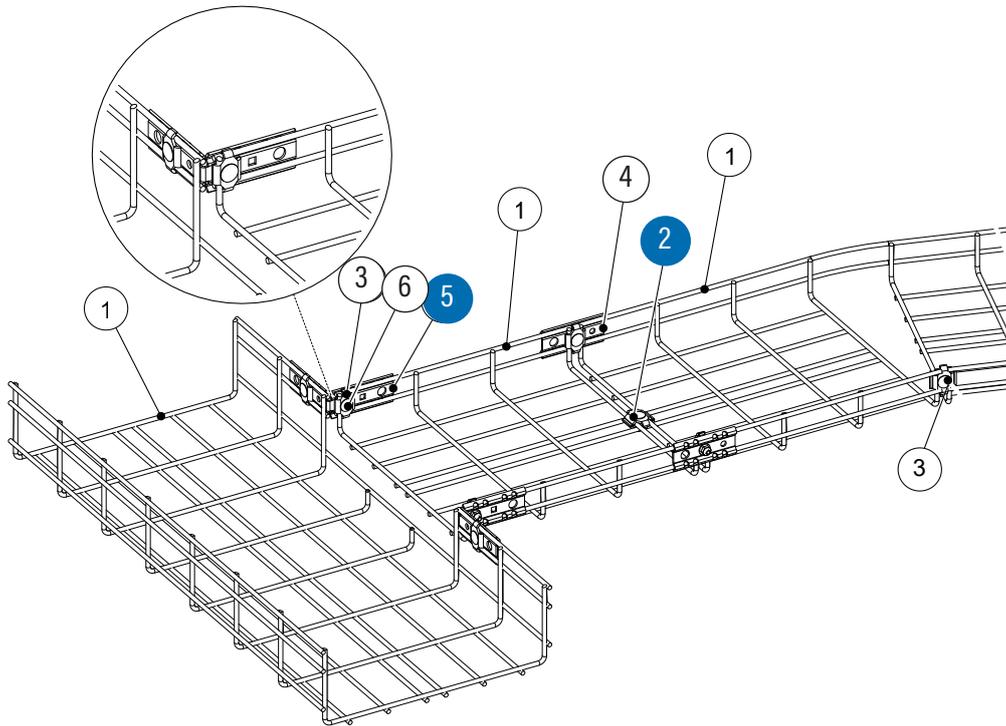
| NO | PRODUCT | | PCS |
|----|-------------------|---------|-----|
| 1 | Wire mesh tray | WMT | 4 |
| 2 | Snap in connector | WMT SC1 | 1 |
| 3 | Snap in connector | WMT SC2 | 2 |
| 4 | Connector set | WMT CL | 3 |

WIRE MESH TRAYS



EXTENSIONS

WMT CONNECTOR SET CL AND CONNECTION PLATE WMT UC1D, INCL. WMT CORNER PIECE

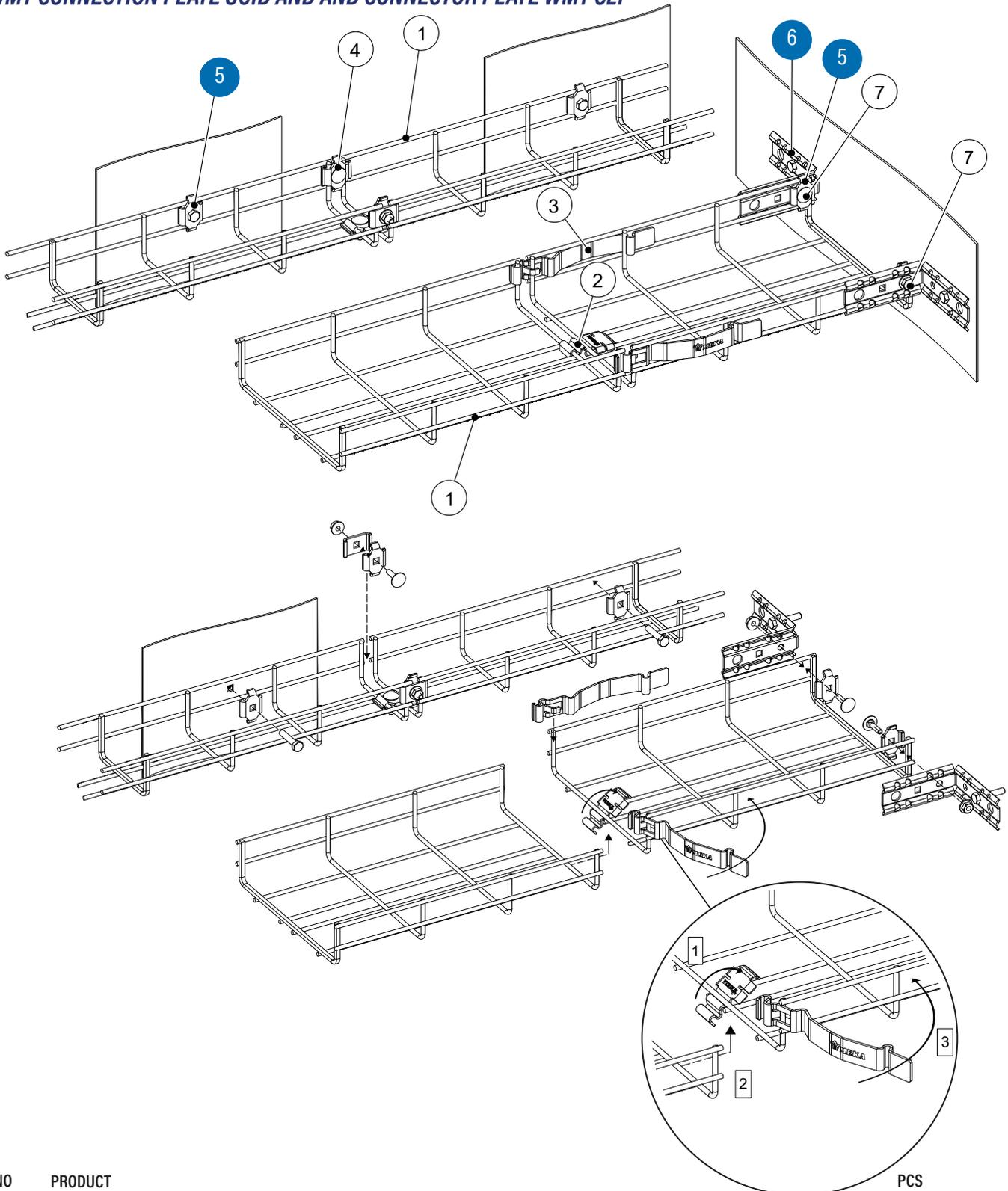


NO PRODUCT PCS

| | | | |
|---|------------------|----------|---|
| 1 | Wire mesh tray | WMT | 3 |
| 2 | Connector set | WMT CL | 2 |
| 3 | Connector plate | WMT CL1 | 4 |
| 4 | Connection set | WMT UC | 2 |
| 5 | Connection plate | WMT UC1D | 2 |
| 6 | Bolt set | RS4 | 4 |

SUPPORTS

WMT CONNECTION PLATE UC1D AND AND CONNECTOR PLATE WMT CL1

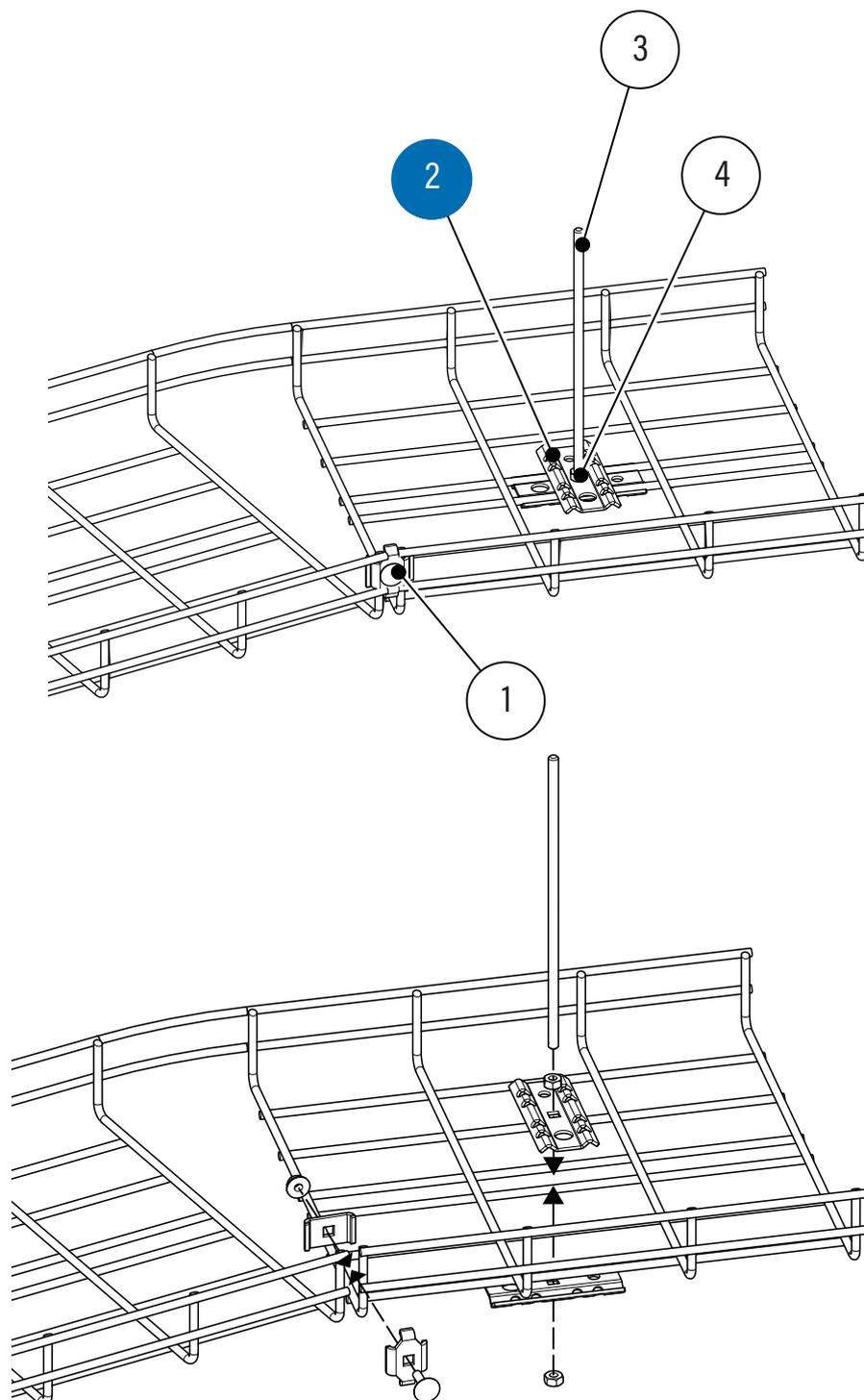


| NO | PRODUCT | | PCS |
|----|-------------------|----------|-----|
| 1 | Wire mesh tray | WMT | 4 |
| 2 | Snap in connector | WMT SC1 | 1 |
| 3 | Snap in connector | WMT SC2 | 2 |
| 4 | Connector set | WMT CL | 3 |
| 5 | Connector plate | WMT CL1 | 4 |
| 6 | Connection plate | WMT UC1D | 2 |
| 7 | Bolt set | RS4 | 2 |

WIRE MESH TRAYS

SUPPORTS

CONNECTION PLATE WMT UC1



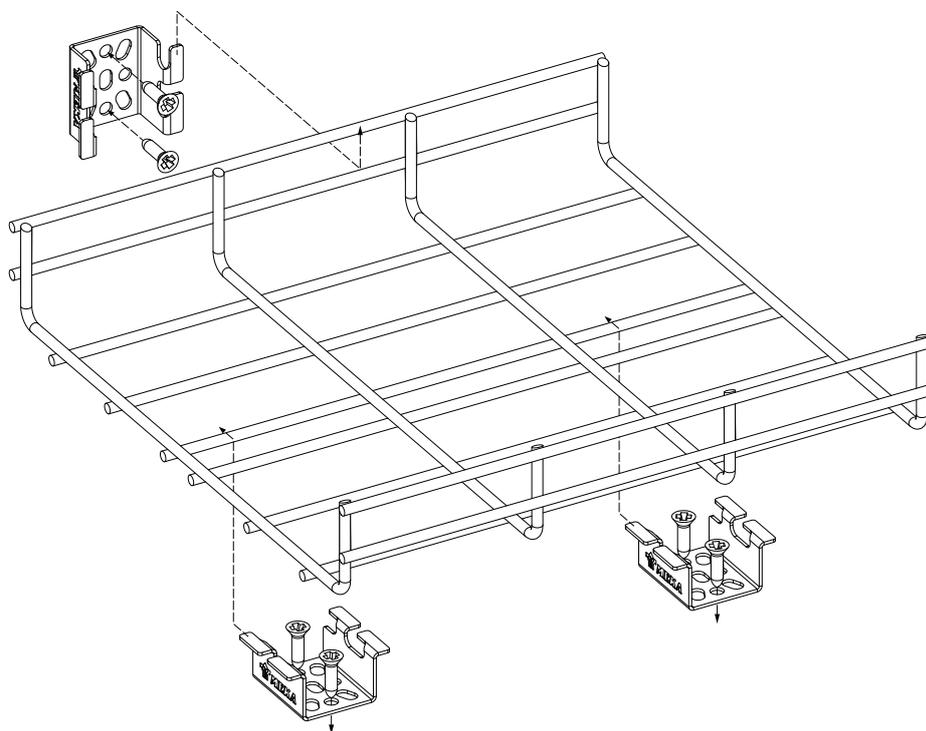
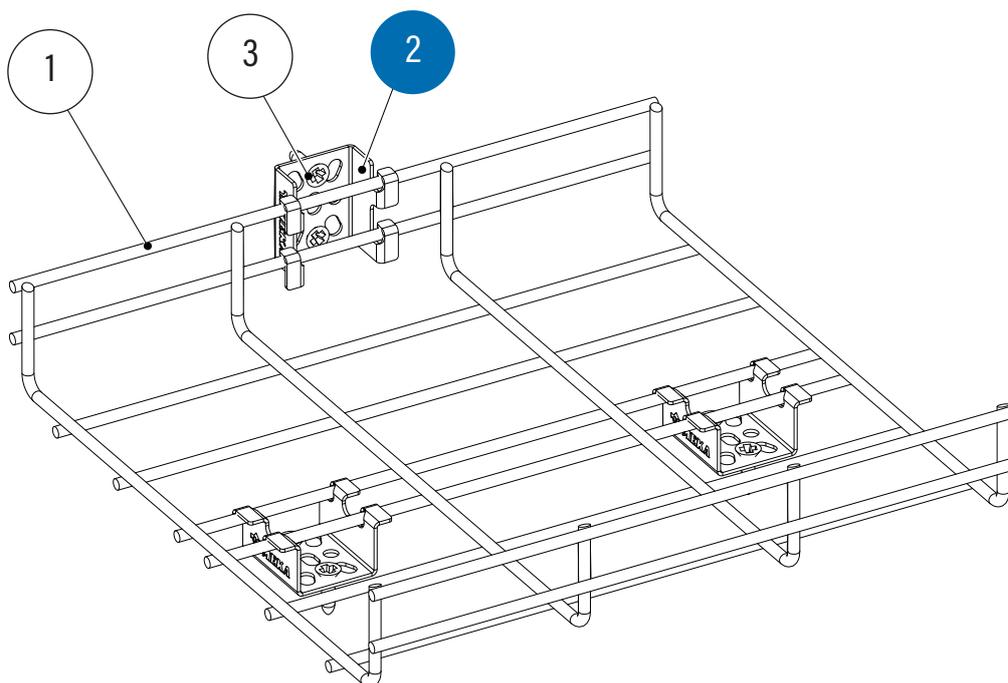
| NO | PRODUCT | | PCS |
|----|------------------|---------|-----|
| 1 | Connector set | WMT CL | 2 |
| 2 | Connection plate | WMT UC1 | 2 |
| 3 | Threaded rod | GT-6 | 1 |
| 4 | Nut | MU M6 | 2 |

WIRE MESH TRAYS



SUPPORTS

WALL BRACKET WB1



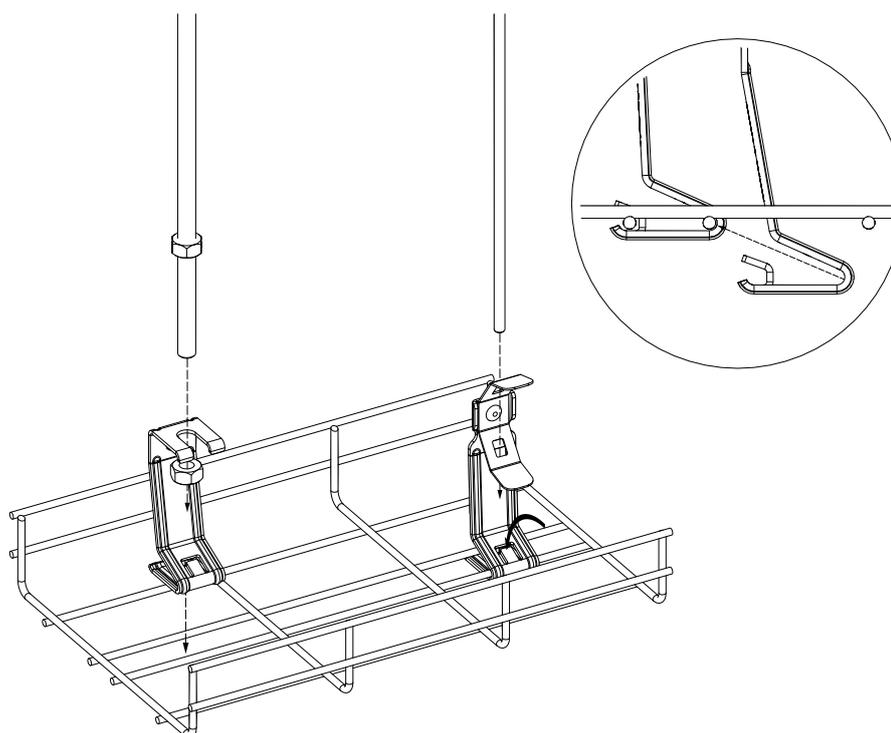
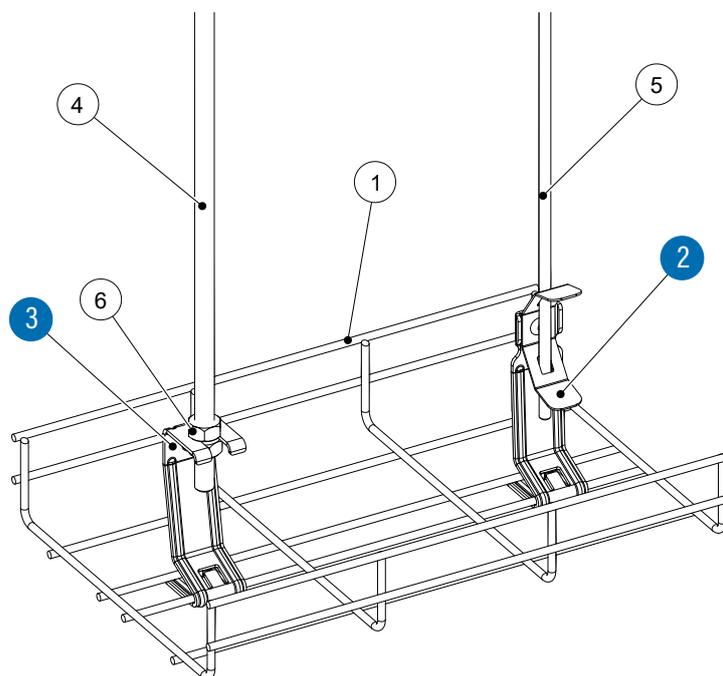
| NO | PRODUCT | | PCS |
|----|----------------|---------|-----|
| 1 | Wire mesh tray | WMT | 1 |
| 2 | Wall bracket | WMT WB1 | 3 |
| 3 | Screw | | 6 |

WIRE MESH TRAYS



SUPPORTS

INTERMEDIATE SUPPORTS WMT CSF-6 AND WMT CS-10



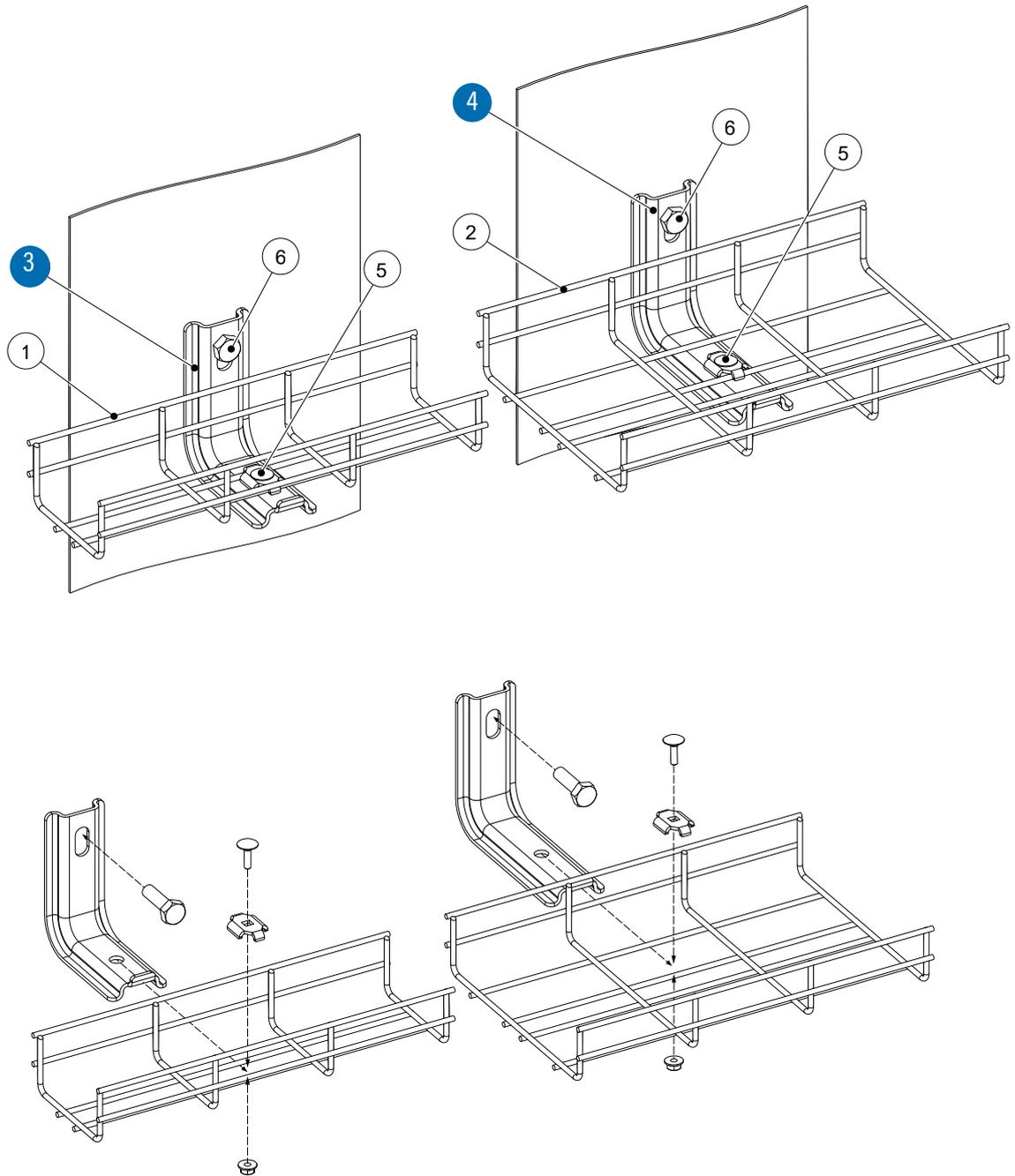
| NO | PRODUCT | | PCS |
|----|----------------------|-----------|-----|
| 1 | Wire mesh tray | WMT | 1 |
| 2 | Intermediate support | WMT CSF-6 | 1 |
| 3 | Intermediate support | WMT CS-10 | 1 |
| 4 | Threaded rod | GT-10 | 1 |
| 5 | Threaded rod | GT-6 | 1 |
| 6 | Nut | M10 | 2 |

WIRE MESH TRAYS



SUPPORTS

WALL SUPPORT MEK-SK

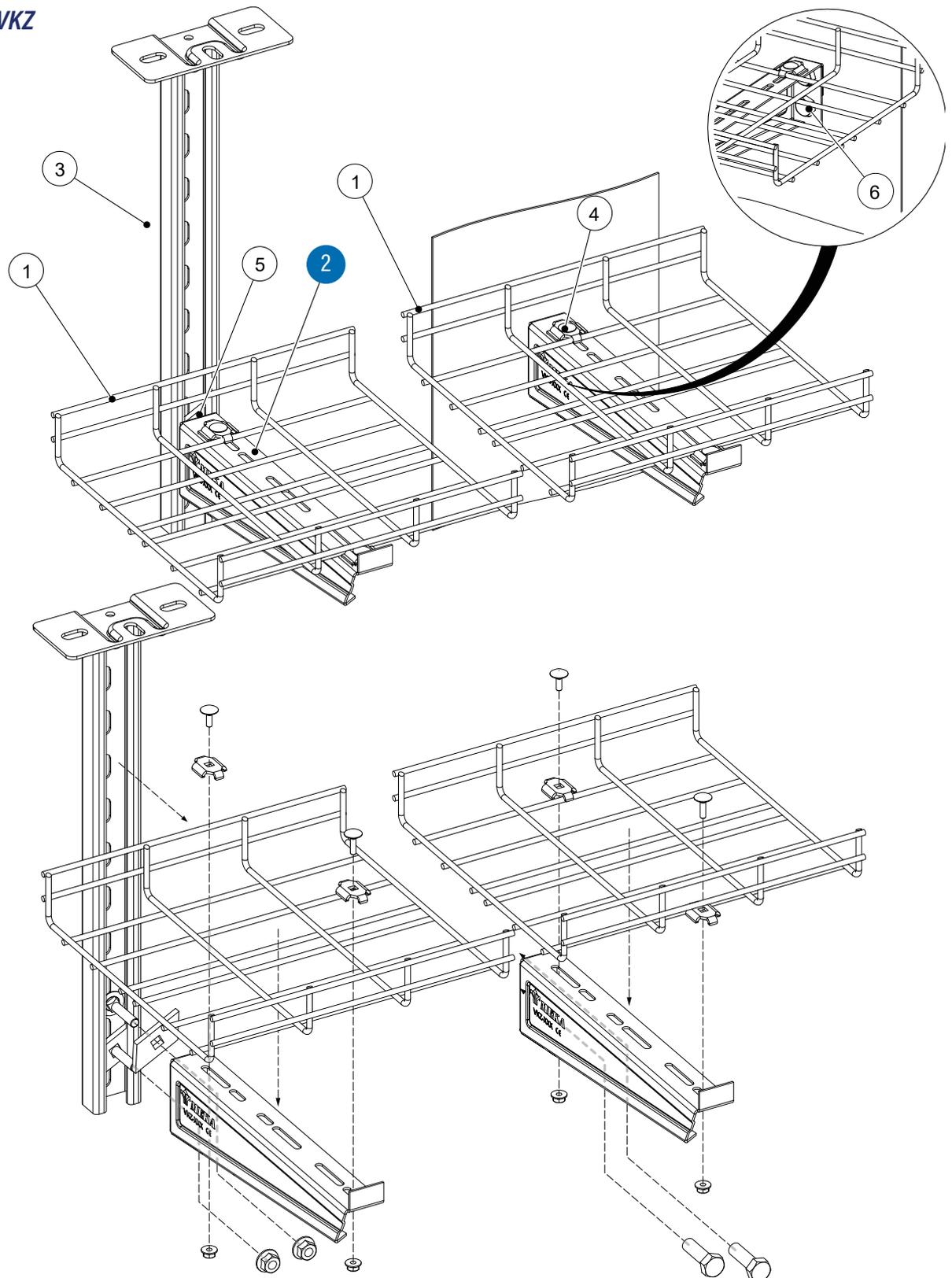


| NO | PRODUCT | | PCS |
|----|----------------|---------------------|-----|
| 1 | Wire mesh tray | WMT, max. width 100 | 1 |
| 2 | Wire mesh tray | WMT, max. width 100 | 1 |
| 3 | Wall support | MEK SK-70 | 1 |
| 4 | Wall support | MEK SK-100 | 1 |
| 5 | Connector set | WMT CL | 2 |
| 6 | Hex nut | M10 | 2 |

WIRE MESH TRAYS



SUPPORTS WALL SUPPORT VKZ



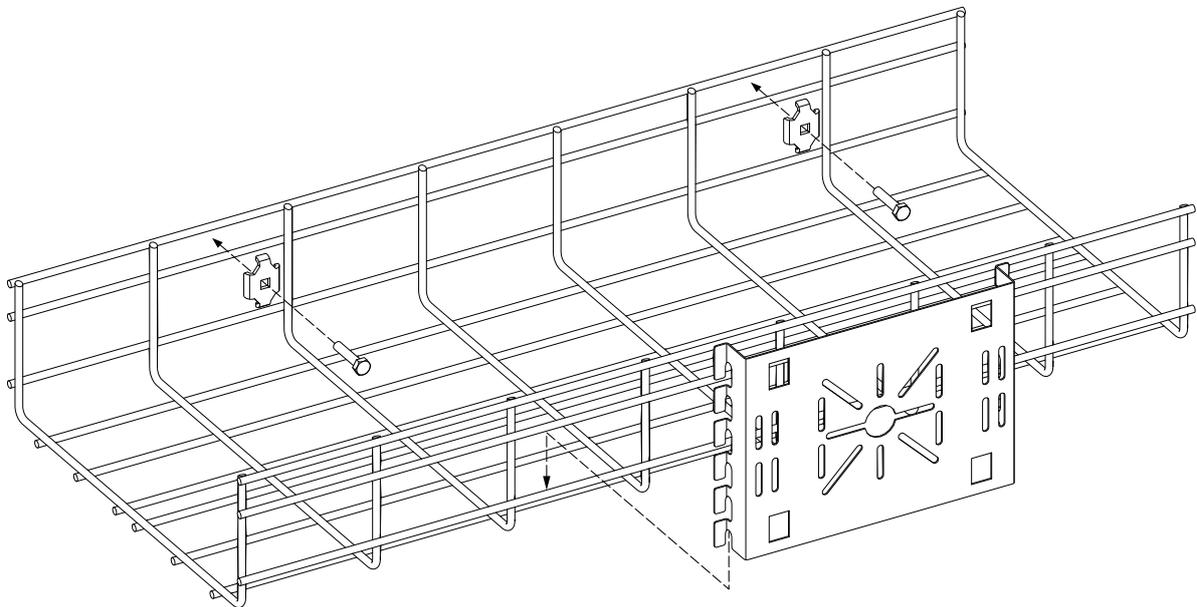
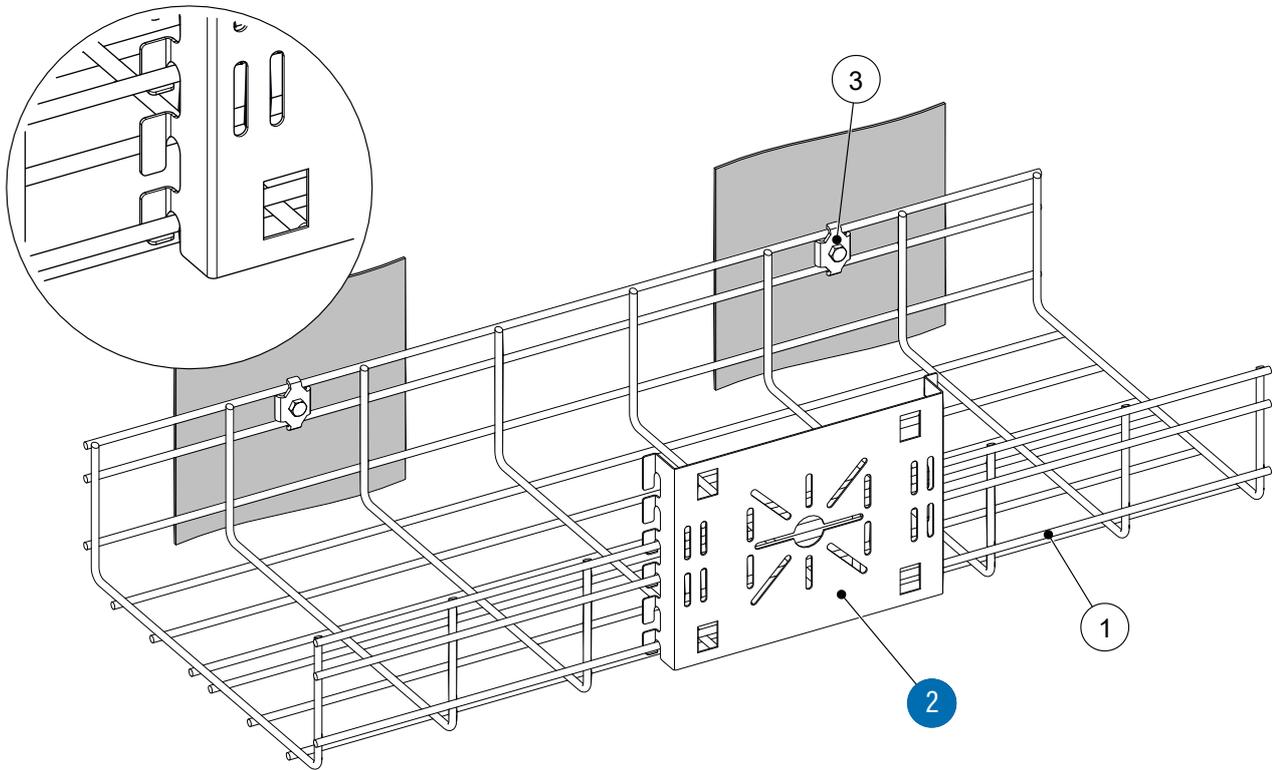
NO PRODUCT PCS

| | | | |
|---|-----------------|--------|---|
| 1 | Wire mesh tray | WMT | 2 |
| 2 | Wall support | VKZ | 2 |
| 3 | Ceiling support | HK1 | 1 |
| 4 | Connector set | WMT CL | 4 |
| 5 | Sliding nut | SMT | 2 |
| 6 | Hex screw | M10 | 2 |

WIRE MESH TRAYS



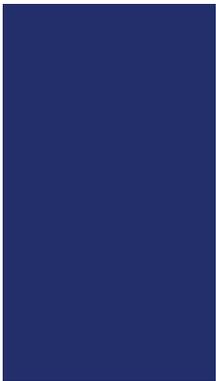
CROSS-SECTIONAL AREA INSTALLATIONS MOUNTING PLATE IP1



| NO | PRODUCT | | PCS |
|----|-----------------|---------|-----|
| 1 | Wire mesh tray | WMT | 1 |
| 2 | Mounting plate | WMT-IP1 | 1 |
| 3 | Connector plate | WMT CL1 | 1 |

INSTALLATION INSTRUCTIONS

LIGHTING SUPPORT RAILS | EXTENSIONS | SUPPORTS | COVERING | EXTENSIONS

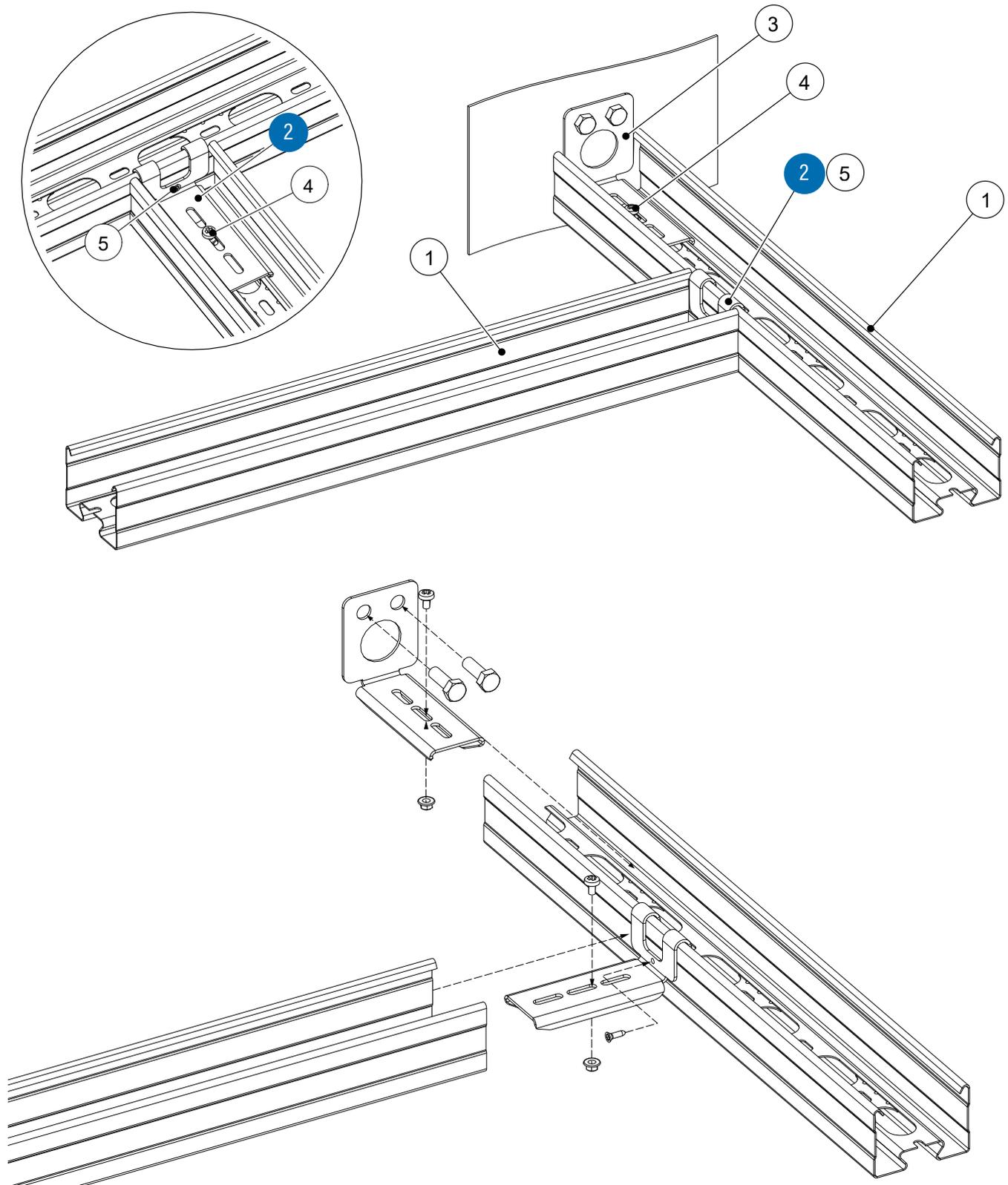


LIGHTING SUPPORT RAILS



EXTENSIONS

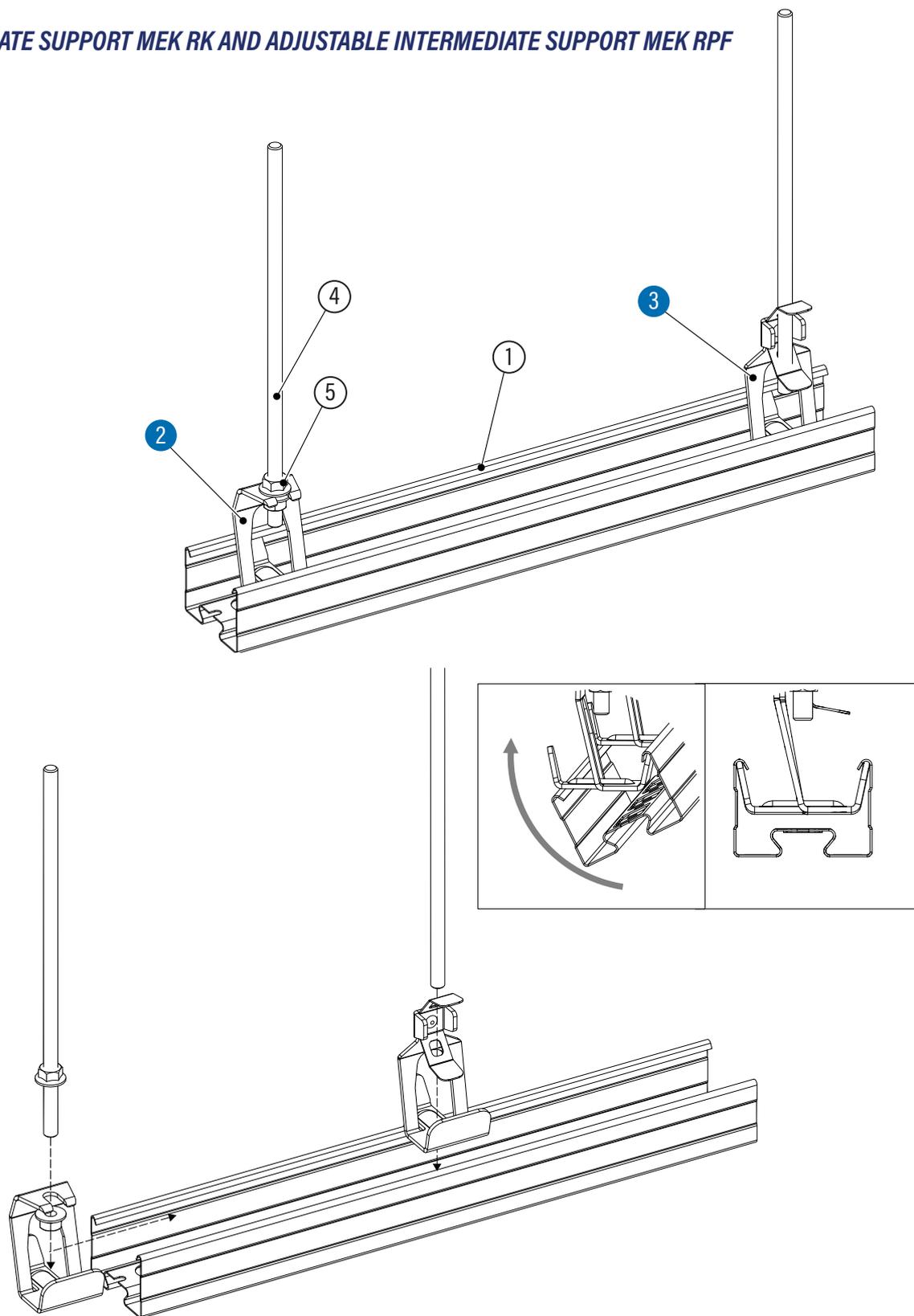
T-BRANCH BRACKET MEK-T



| NO | PRODUCT | | PCS |
|----|-----------------------|---------------------------|-----|
| 1 | Lighting support rail | MEK | 2 |
| 2 | T-branch bracket | MEK T | 1 |
| 3 | End bracket | MEK-PK | 1 |
| 4 | Bolt set | RS MEK J 10 EG / RS TKU M | 2 |
| 5 | Sheet metal screw | | 1 |

SUPPORTS

INTERMEDIATE SUPPORT MEK RK AND ADJUSTABLE INTERMEDIATE SUPPORT MEK RPF



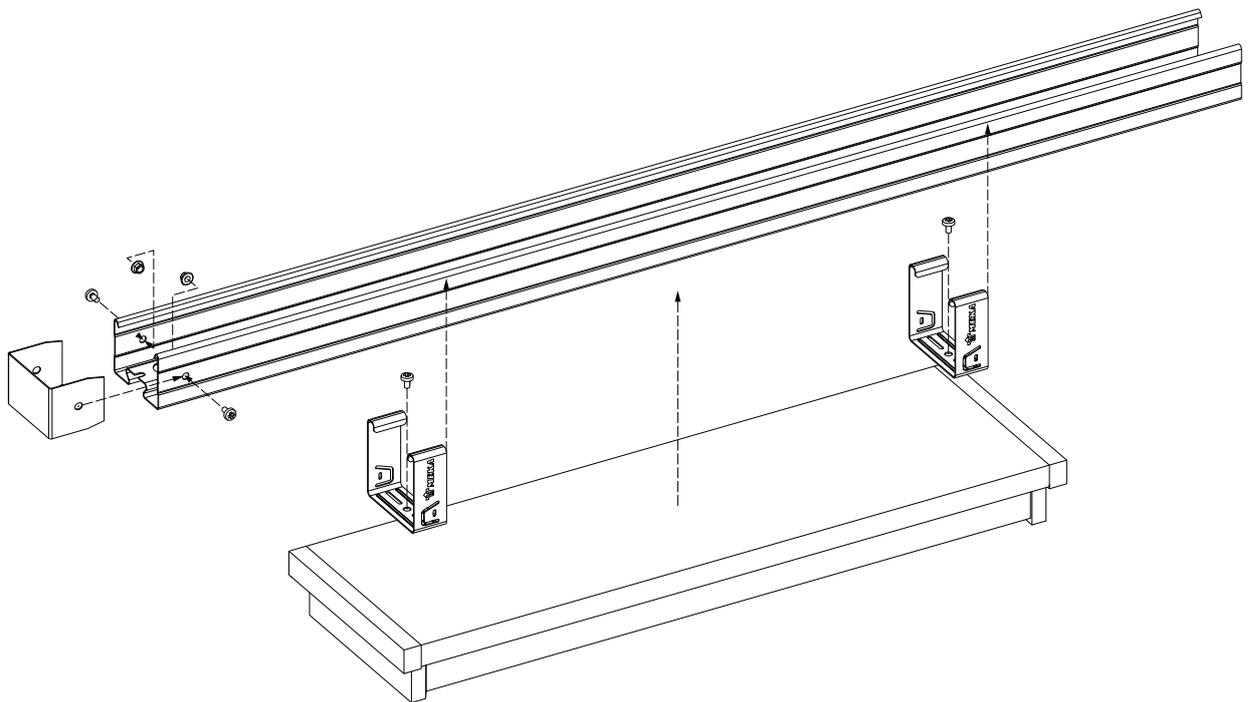
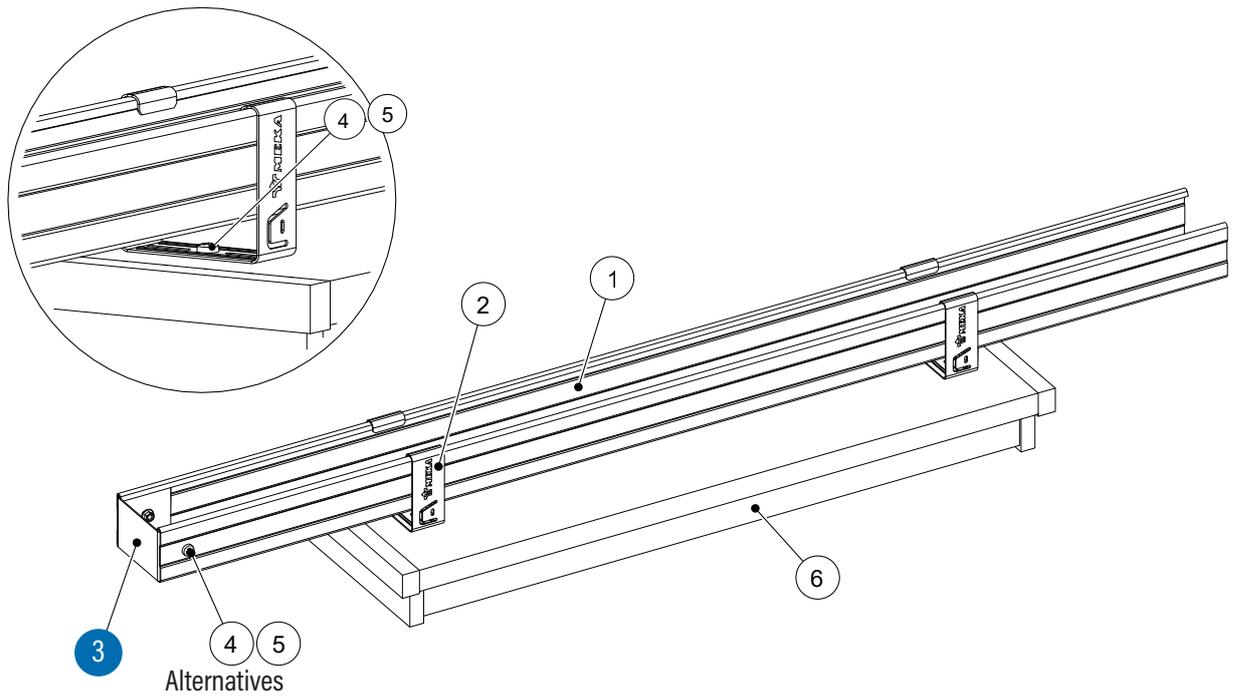
NO PRODUCT PCS

| | | | |
|---|---------------------------------|---------|---|
| 1 | Lighting support rail MEK | MEK | 1 |
| 2 | Adjustable intermediate support | MEK RPF | 1 |
| 3 | Intermediate support | MEK RK | 1 |
| 4 | Threaded rod | GT-10 | 2 |
| 5 | Nut | MU M10 | 2 |

LIGHTING SUPPORT RAILS



COVERING END PLATE MEK P



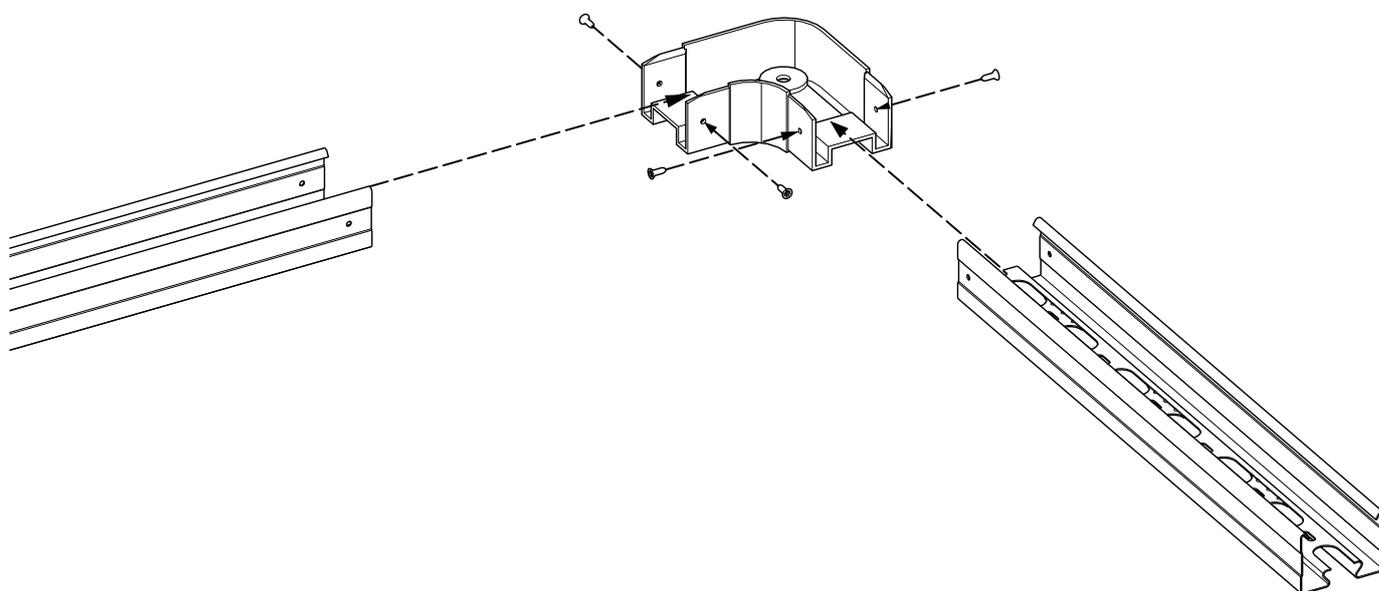
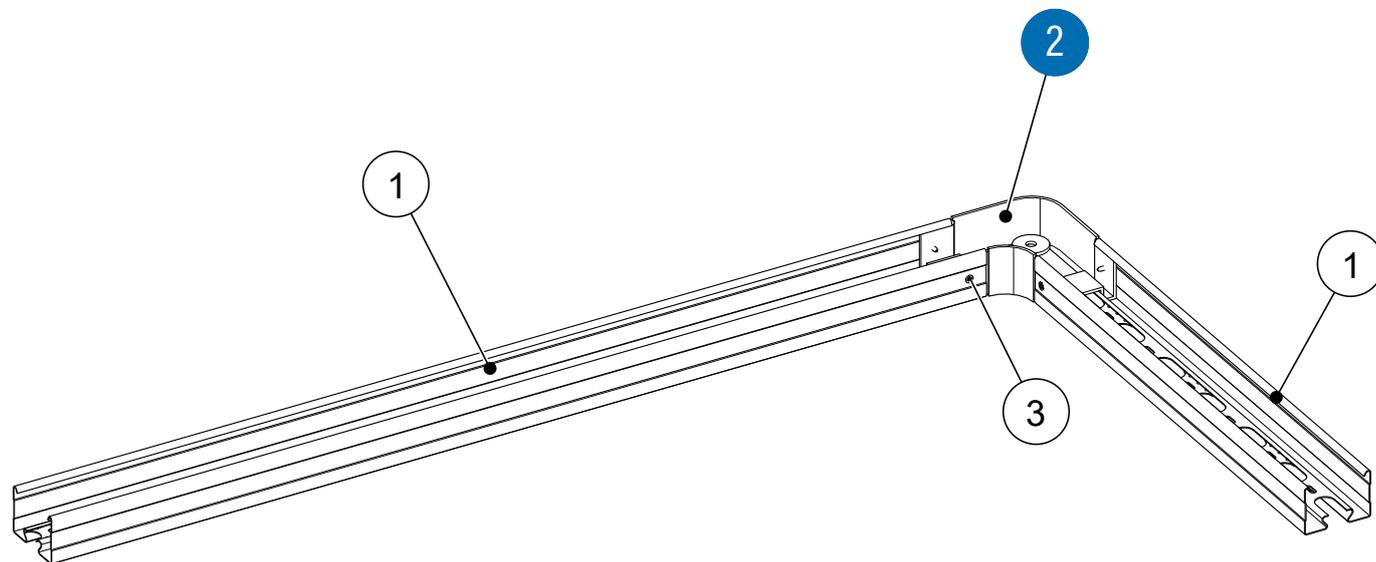
| NO | PRODUCT | | PCS |
|----|-----------------------|-------------|-----|
| 1 | Lighting support rail | MEK | 1 |
| 2 | Lighting bracket | MEK AH | 2 |
| 3 | End plate | MEK P | 1 |
| 4 | Bolt set | RS MEK J 10 | 4 |
| 5 | Bolt set | RS TKU M | 4 |
| 6 | Luminaire | | |

LIGHTING SUPPORT RAILS



EXTENSIONS

CORNER PIECE MEK KR



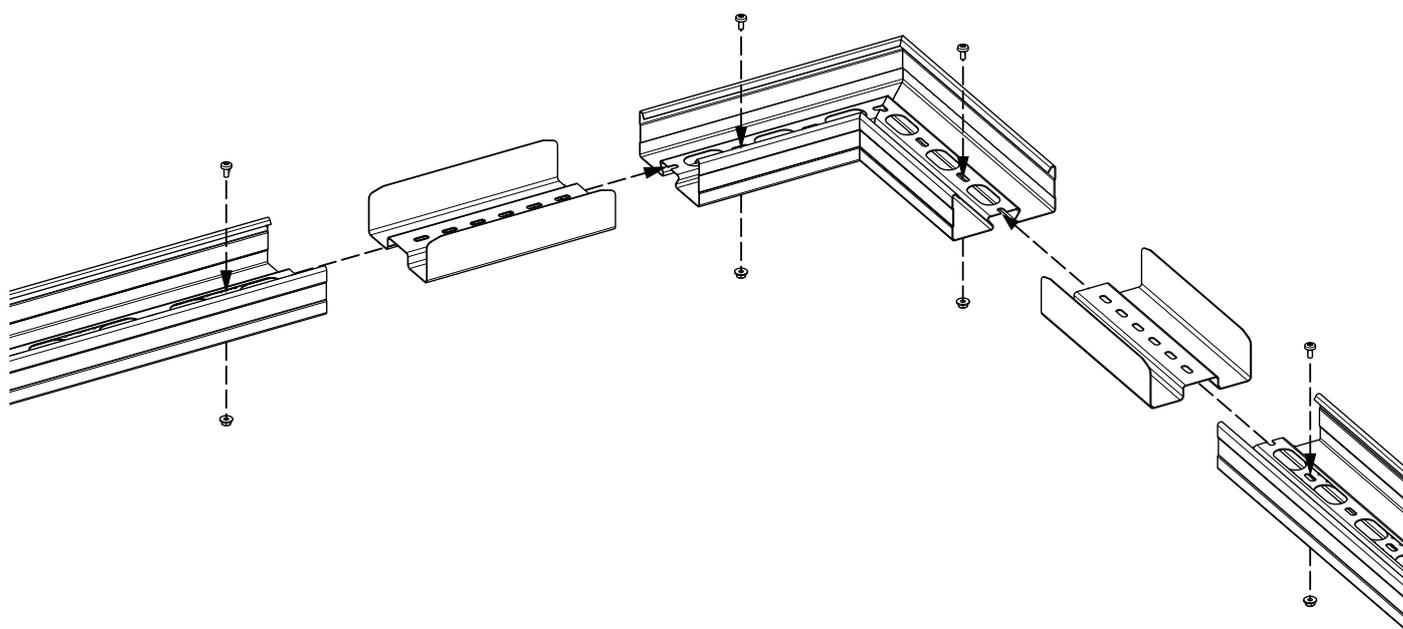
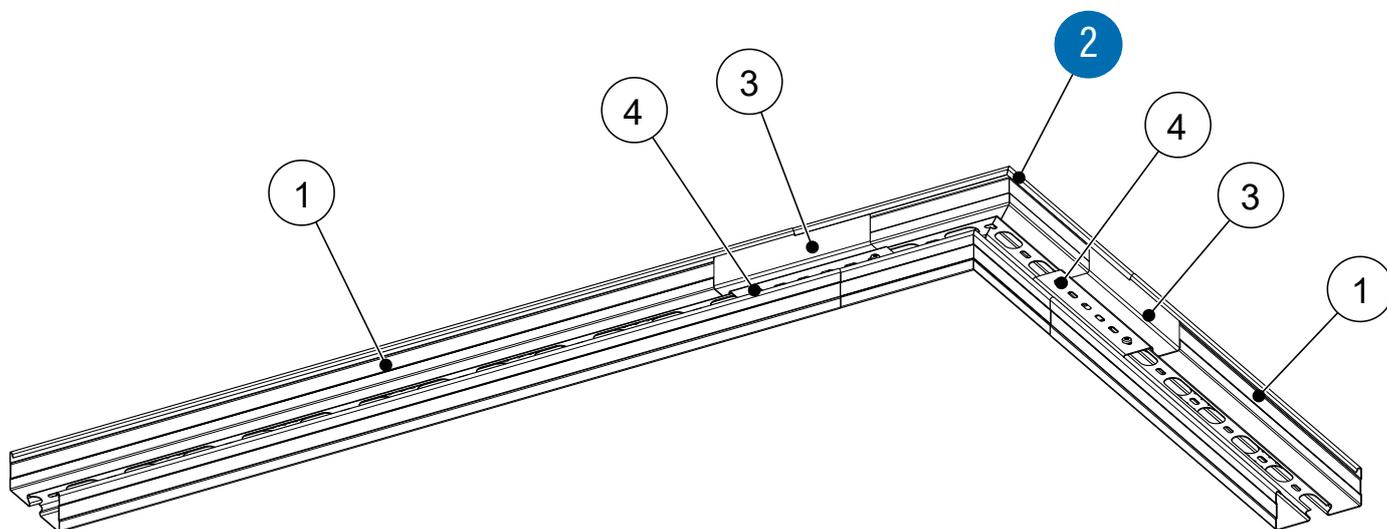
| NO | PRODUCT | | PCS |
|----|------------------------|--------|-----|
| 1 | Lighting support rail | MEK | 2 |
| 2 | Corner piece | MEK KR | 1 |
| 3 | Blind scrivet or screw | | 4 |

LIGHTING SUPPORT RAILS



EXTENSIONS

CORNER PIECE MEK KU



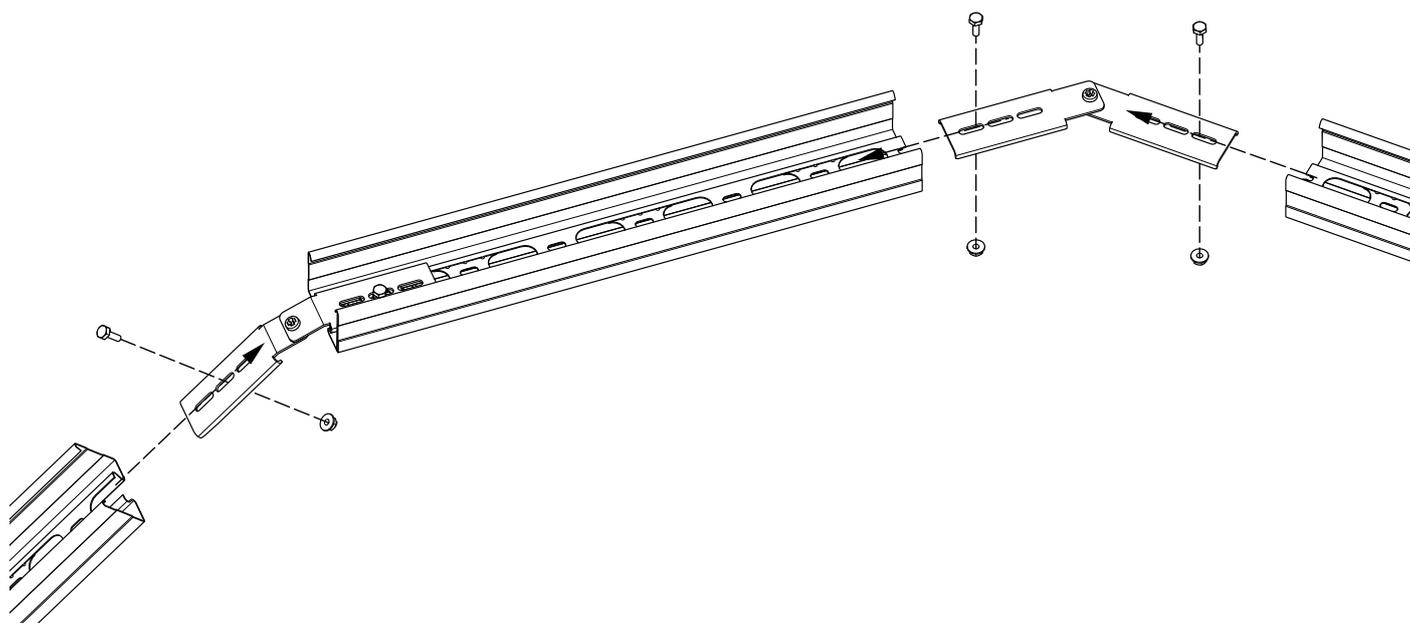
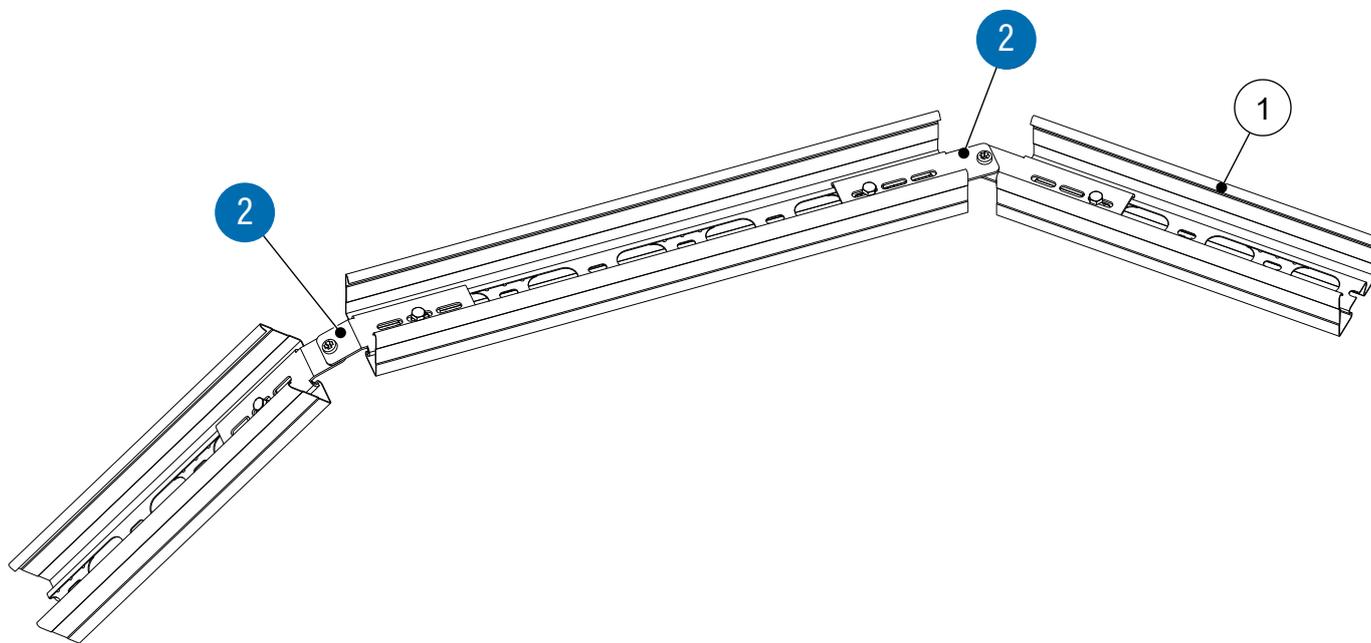
| NO | PRODUCT | | PCS |
|----|-----------------------|---------------------------|-----|
| 1 | Lighting support rail | MEK | 2 |
| 2 | Corner piece | MEK KU | 1 |
| 3 | Joint | MEK J | 2 |
| 4 | Screw set | RS MEK J 10 EG / RS TKU M | 4 |

LIGHTING SUPPORT RAILS



EXTENSIONS

FLEXIBLE JOINT MEK NL



| NO | PRODUCT | | PCS |
|----|-----------------------|--------|-----|
| 1 | Lighting support rail | MEK | 3 |
| 2 | Flexible joint | MEK NL | 2 |







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