



# ***ELEMENT*** ***eRSX*** Reference Manual



# ABOUT THESE INSTRUCTIONS

## About These Instructions

The following instructions include text sections, but also an illustrated section showing the main installation steps. The illustrated section can be found in section installation guide of this document.

These instructions are **original instructions** as described in the EC Directive 2006/42/EC. They contain important information regarding the product. Please read and follow the instructions attentively. Pay particular attention to all safety and warning notices.

**Keep these instructions in a safe place for further reference!**

## Warnings used

The general warning symbol indicates a danger  that can lead to injury or death. In the text, the general warning symbol will be used with the caution levels described below.



### **WARNING**

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injuries.

### **NOTICE**

Indicates a potentially hazardous situation which, if not avoided, could result in damage or destruction of the product.

# SAFETY INSTRUCTIONS

## Intended use

- This system has been designed for private and residential use only.

## General safety instructions

- The field of application for this residential system is explained in EN 13241-1.
- When the system is installed, attention must be paid to potential hazards as defined in EN 12604 and EN 12453.
- The door installer must ensure that the installation complies with the respective national regulations.
- Installing, maintenance, repair and dismantling of the residential system may only be carried out by trained and qualified person.
- In case of failure (sluggish operation or other malfunctions), a qualified door installer must be appointed immediately for the inspection and repair of the door.
- Before the door is put into service, it must be tested to make sure that it is easy to operate manually, mechanically sound, in perfect working order and also correctly balanced. (EN 12604).
- This manual describes the assembly, use and maintenance of the CANIMEX residential system eRSX.
- After installation make sure that the CE marking label has been completed and attached.
- Installation users manual should be handed to the end user.
- This manual is subject to changes without written notice.

# APPLICATION RANGE

This system has been designed for the following application:

- **Maximum day light width:** **4000 mm \***
- **Maximum day light height:** **2625 mm**
- **Maximum door weight:** **120 kg**
- **Minimum requested headroom:**
  - **Manually operated:** **100 mm minimum**
  - **Motor operated:** **115 mm minimum**
- **Minimum requested sideroom:**
  - **Standard:** **90 mm minimum**
  - **Reno:** **70 mm minimum**
  - **Reno (Zero Sideroom):** **0 mm**

\* When DLW > 3500 mm, door must be motor operated

## NOTICE

### Damage due to improper fasteners

The fixing fasteners required to install the track set to the building are not included in this set. It is the responsibility of the qualified door installer to make sure that the building structure (stone, concrete, steel, wood, etc.) is strong enough to ensure a reliable construction. Otherwise, this may result in damage when the door is operated. Select proper fasteners.

# INSTALLATION GUIDE



## WARNING

### ***Danger of injury as the result of structural modifications***

Modifying or removing functional parts may put important safety components out of action. Uncontrolled door movement could occur and persons or objects may be trapped and injured as a result.

- Do not modify or remove any functional parts.
- Do not attach any additional parts. The extension springs are precisely matched to the door leaf weight. Additional components may overload the springs.
- If equipping the door with a motor operator, pay attention to the instructions provided by the manufacturers of the door and a motor operator. Only use the original connections of the door manufacturer!

Before installing this system, the door opening and the building floor must be completely finished.

Observe the following during installation:

- Some parts can have sharp edges. Use protective gloves.
- Make sure you can always perform your work in a stable environment.
- Make sure there is enough light.
- When performing installation or maintenance, always wear at least gloves and safety boots.
- When drilling or cutting always wear safety goggles.
- Only use appropriate tools.
- Ensure adequate water run-off in the area of the bottom seal and the frame parts.

***To ensure simple and secure installation, please follow the work steps listed in the illustrated section.***



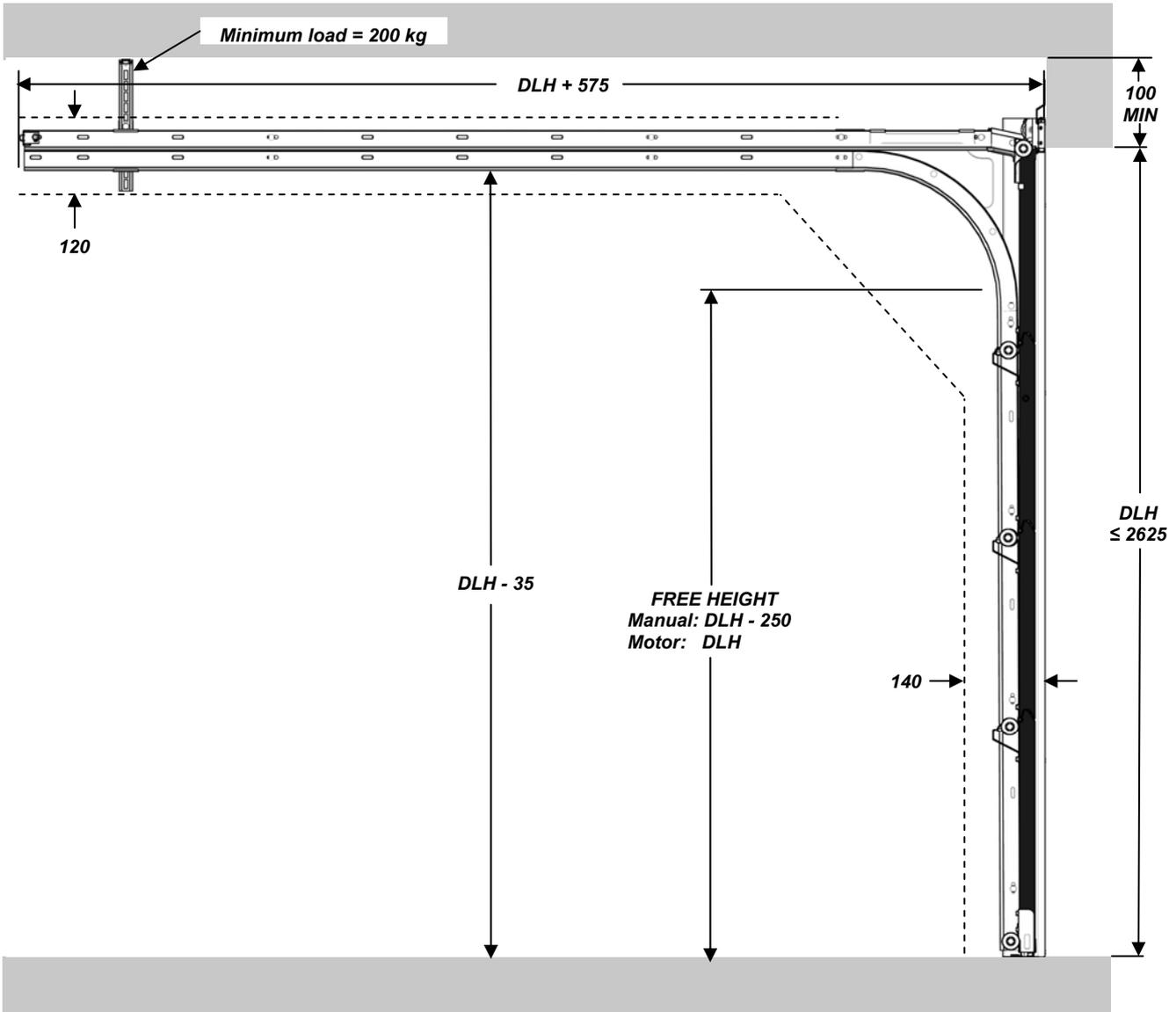
## WARNING

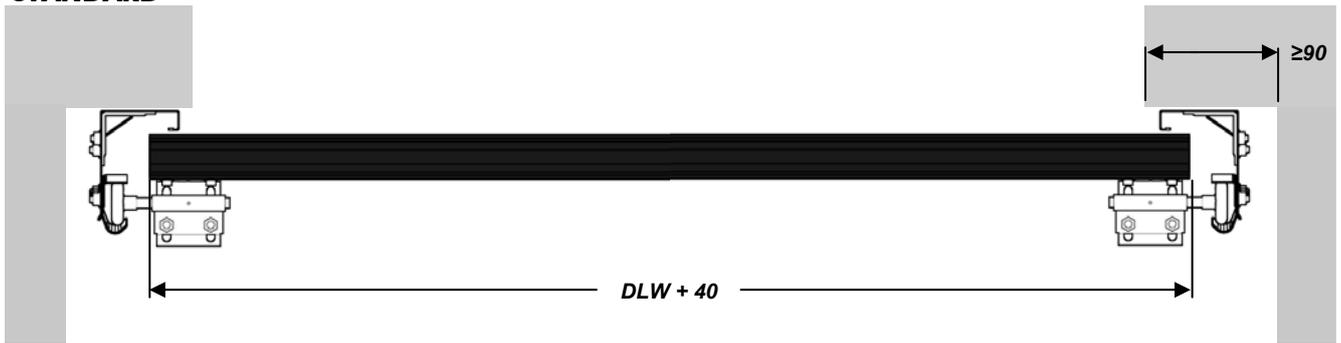
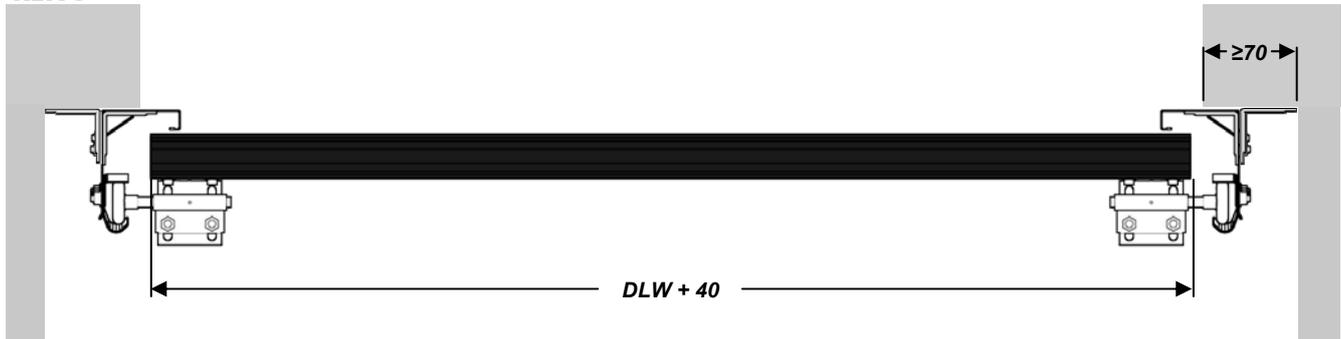
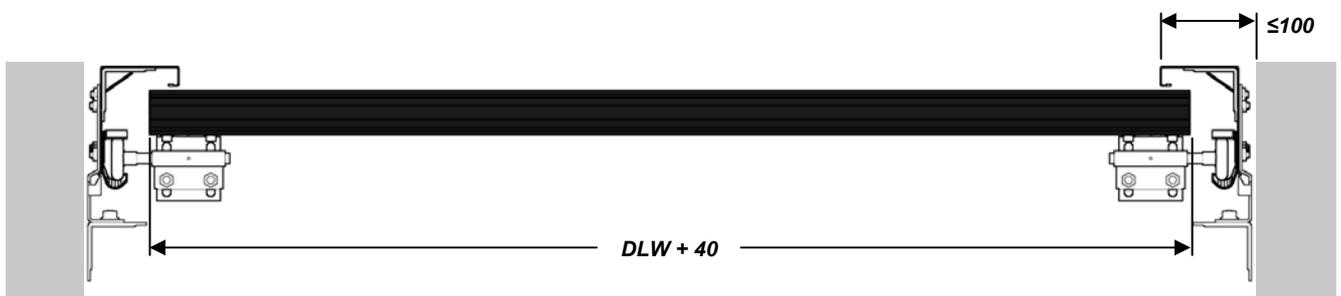
### ***Danger due to high tension***

Springs are under high tension and may discharge high forces if they are not secured during tensioning. Fix the door leaf in safe way in fully open position before tensioning the springs.

Each time the door is maintained, the tension of the springs should be checked and, if necessary, subsequently re-adjusted.

**General dimensional requirements:**



**General dimensional requirements:****STANDARD****RENO****RENO (ZERO SIDEROOM)**

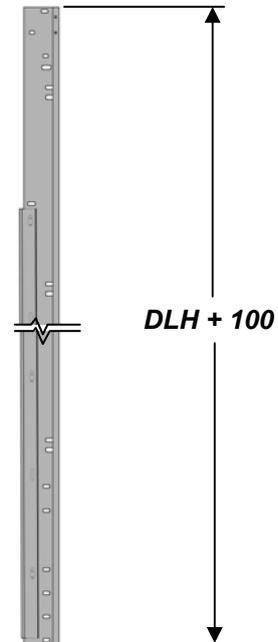
## A VERTICAL TRACK SET (PAIR)

### STANDARD

Part Number	DLH	L =
212938	1875	1975
212940	2000	2100
212941	2125	2225
212942	2250	2350
212943	2375	2475
212944	2500	2600
214188	2625	2725

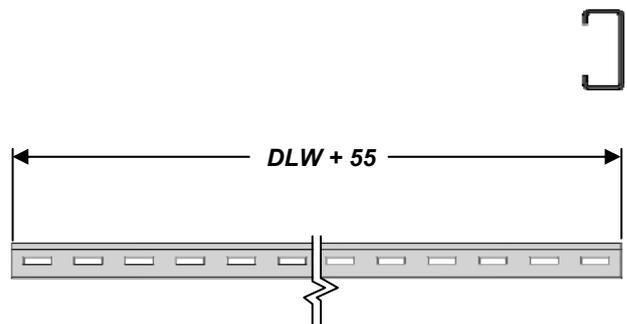
### RENO

Part Number	DLH	L =
212945	1955	2055
212946	2080	2180



## B DISTANCE BEAM

Part Number	DLW	L =
212717	2250	2305
212718	2315	2370
212719	2375	2430
212720	2440	2495
212716	2500	2555
212721	2625	2680
212722	2750	2805
212723	3000	3055
214137	3500	3555
214136	4000	4055



## C DISTANCE BEAM BRACKET

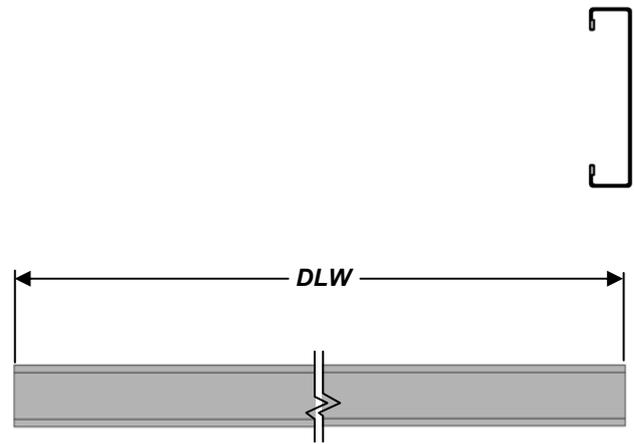
Part Number
212292

**D LINTEL****STANDARD**

Part Number	DLW	L =
212761	2250	2250
212763	2375	2375
210418	2500	2500
212765	2625	2625
212766	2750	2750
212767	3000	3000
214145	3500	3500
214144	4000	4000
214143	4500	4500

**RENO**

212762	2315	2315
212764	2440	2440
214142	2500	2500
214141	3500	3500
214139	4500	4500

**E LINTEL SIDE BRACKET**

Part Number
212189

**F LINTEL CENTER BRACKET**

Part Number
212540

**G SEAL****THERMAL BREAK SEAL (SIDE)**

Part Number	DLH	L =
212745	1875	1975
212746	1955	2055
212747	2000	2100
212748	2080	2180
212744	2125	2225
212749	2250	2350
212750	2375	2475
212751	2500	2600
214147	2625	2725

**THERMAL BREAK SEAL (TOP)**

Part Number	DLW	L =
212752	2250	2260
212753	2315	2325
212754	2375	2385
212755	2440	2450
212756	2500	2510
212757	2625	2635
212759	2750	2760
212760	3000	3010
214146	3500	3510
213705	4000	4010
213704	4500	4510

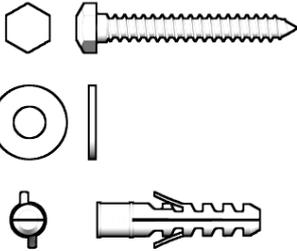
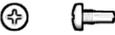
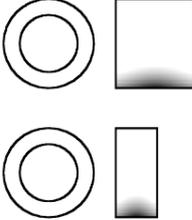
**SIDE SEAL (RENO)**

Part Number	DLH	L =
213016	1955	2055
213017	2080	2180
214148	2500	2600

**TOP SEAL (RENO)**

Part Number	DLW	L =
213018	2315	2325
213019	2440	2450
213708	2500	2510
214138	3500	3510
213707	4500	4510

## H FASTENERS

Part Number	D =	L =	
<b>H1</b>			
Not included			
Not included			
Not included	N/A	N/A	
<b>H2</b>			
203884	8-1.25	15	
<b>H3</b>			
145994	8-1.25	-	
<b>H4</b>			
190019	6.3	16	
189858	6.3	35	
<b>H5</b>			
213015	4	12	
<b>H6</b>			
186118	11	10	
186121	11	5	

## I INSTALLATION ANGLE

Part Number
212176

## J ZERO SIDEROOM BRACKET

Part Number
212486

## K SHORT HORN

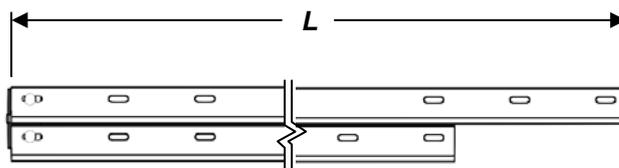
Part Number	Side
212250	Left
212249	Right

## L CURVE

Part Number
213014

### **M HORIZONTAL TRACK SET (PAIR)**

Part Number	DLH	L =
212830	1875	2300
212831	1955	2380
212832	2000	2425
212833	2080	2505
212711	2125	2550
212834	2250	2675
212835	2375	2800
212836	2500	2925
214187	2625	3050



### **N CURVE COVER (PAIR)**

Part Number
212490

### **O TRACK HANGER**

Part Number
198514

### **P ROOF HANGER**

Part Number	L =	
198512	176mm	
198513	350mm	
207403	400mm	

### **Q BOTTOM BRACKET (PAIR)**

Part Number
212188

**R HINGES**

Part Number	Type	Panel Brand
194204	Side Hinge	EPCO
169344	Side Hinge	Kingspan/ Tecsedo / Metecno
194196	Side Hinge	Thyssenkrupp
194199	Interm. Hinge	EPCO
193195	Interm. Hinge	Kingspan/ Tecsedo / Metecno
194200	Interm. Hinge	Thyssenkrupp

**S ROLLERS**

Part Number
212577

**T TOP ROLLER (PAIR)**

Part Number
212258

**U MOVING PULLEY COVER**

Part Number
212293

**V FIX PULLEY COVER**

Part Number	Side
212352	Left
212351	Right

**W LIFT CABLE**

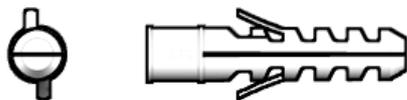
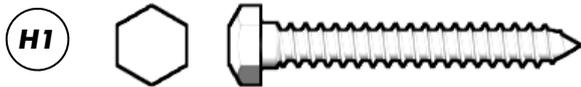
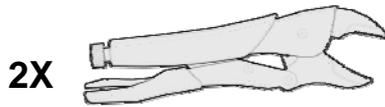
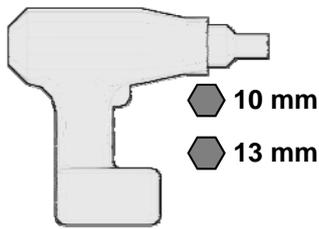
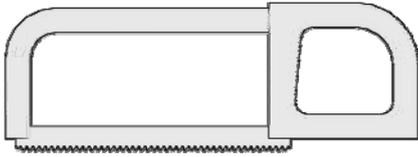
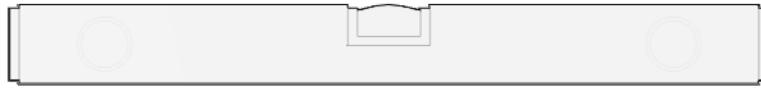
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213367	2000	2400
213368	2080	2480
213369	2125	2525
213370	2250	2650
213372	2375	2775
213371	2500	2900
TBD	2625	3025

**X TENSION SPRING SET**

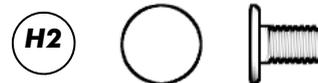
Part Number	DLW	DLH
TBD	TBD	TBD

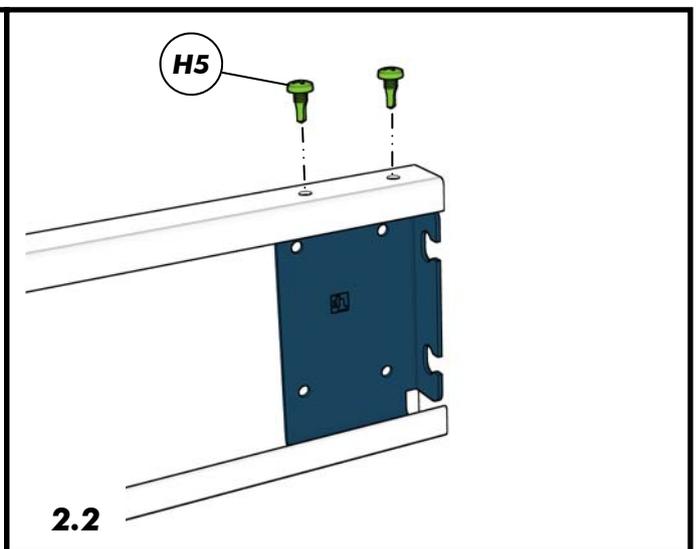
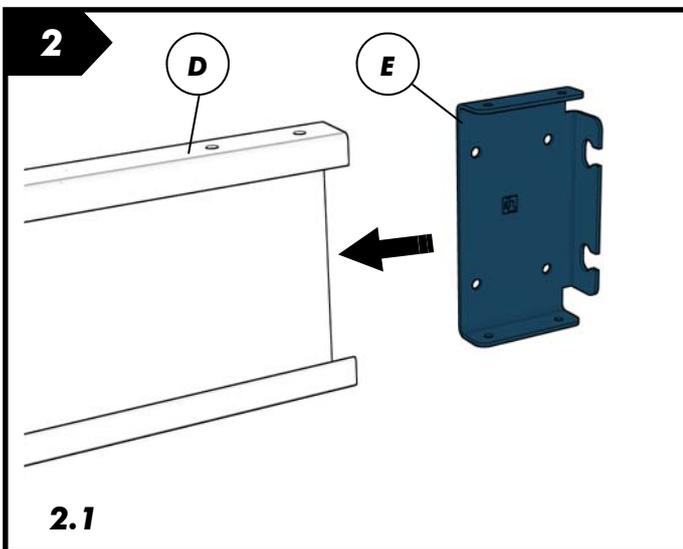
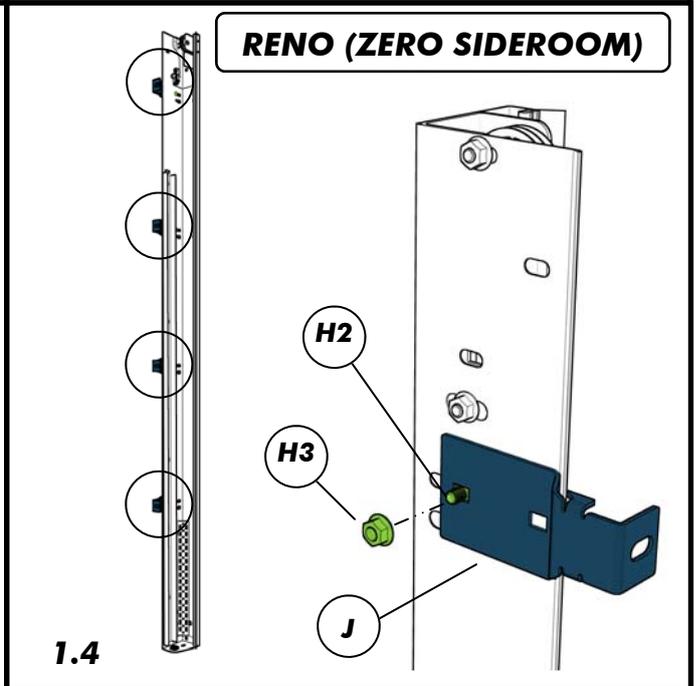
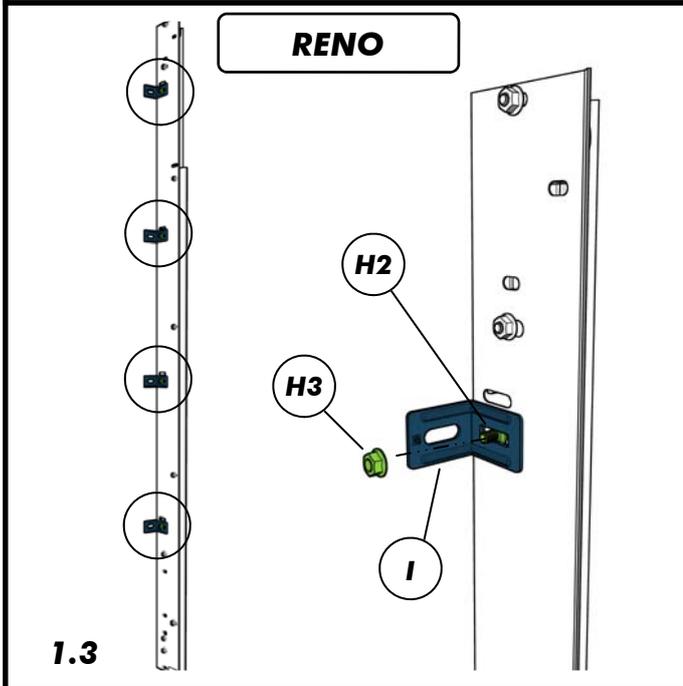
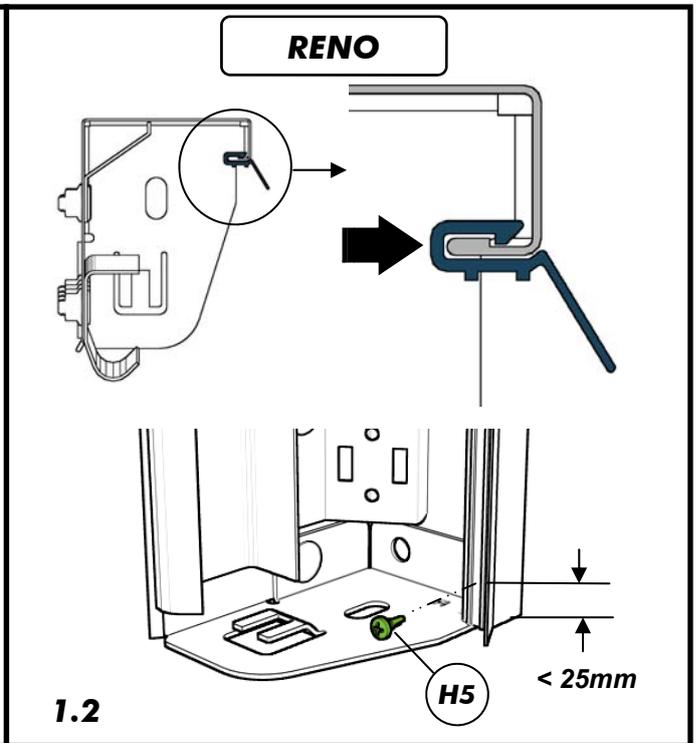
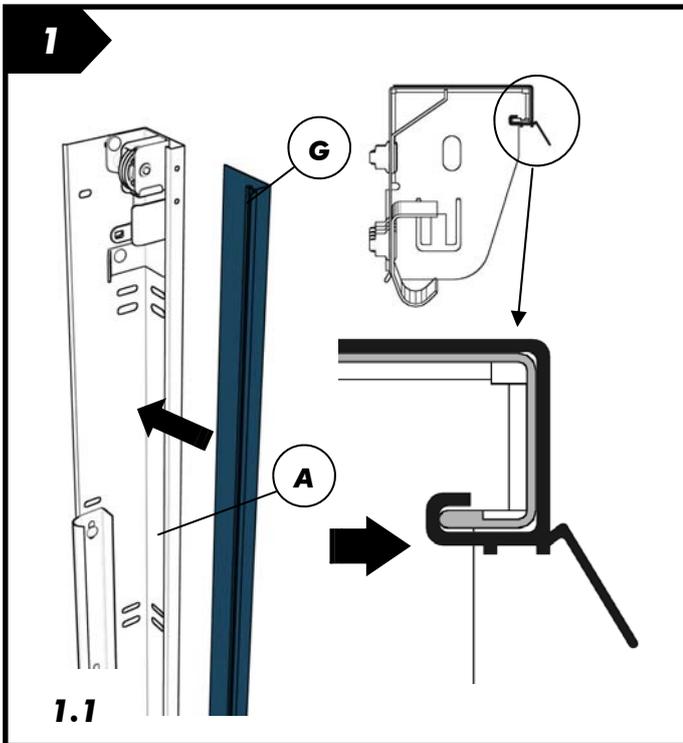


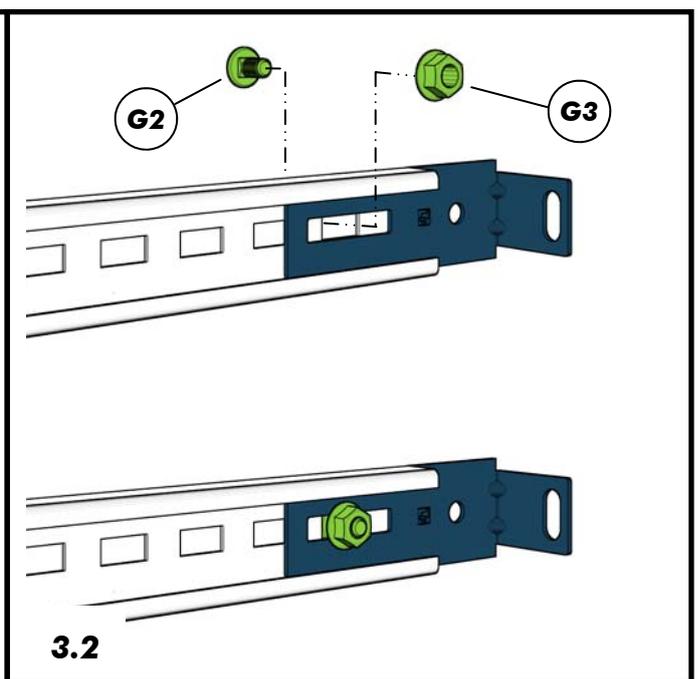
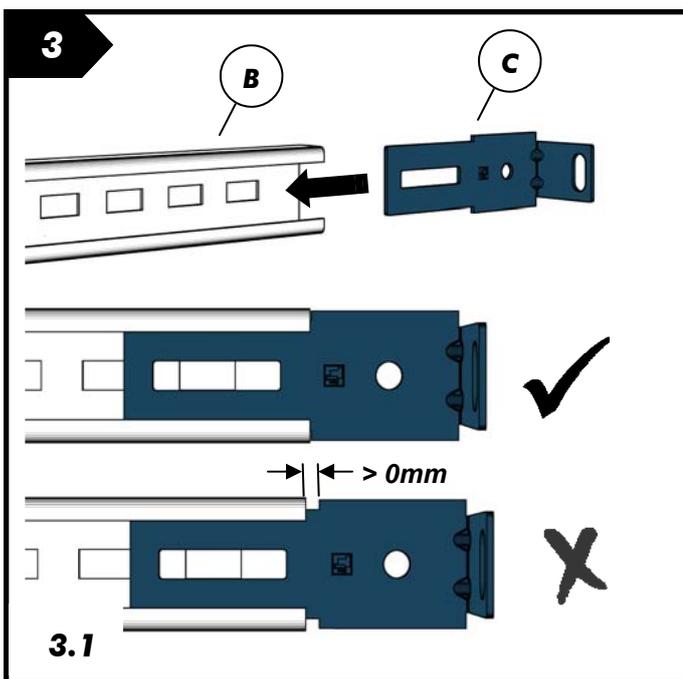
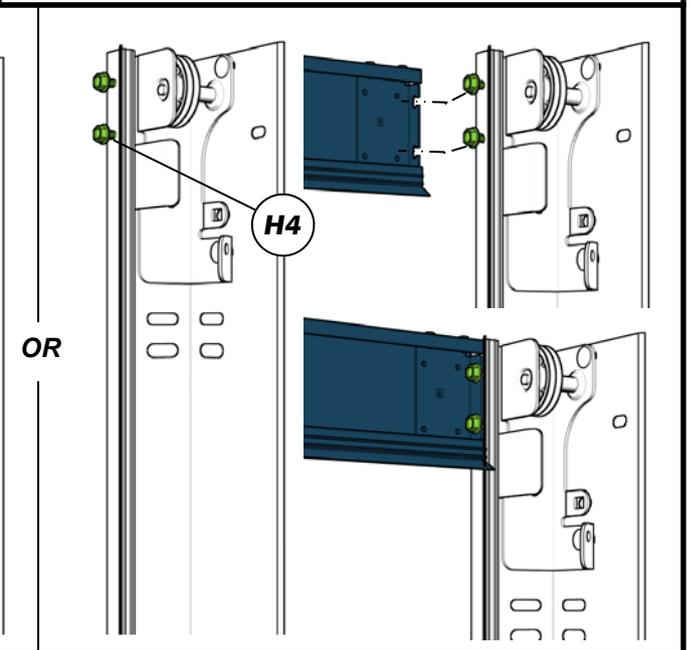
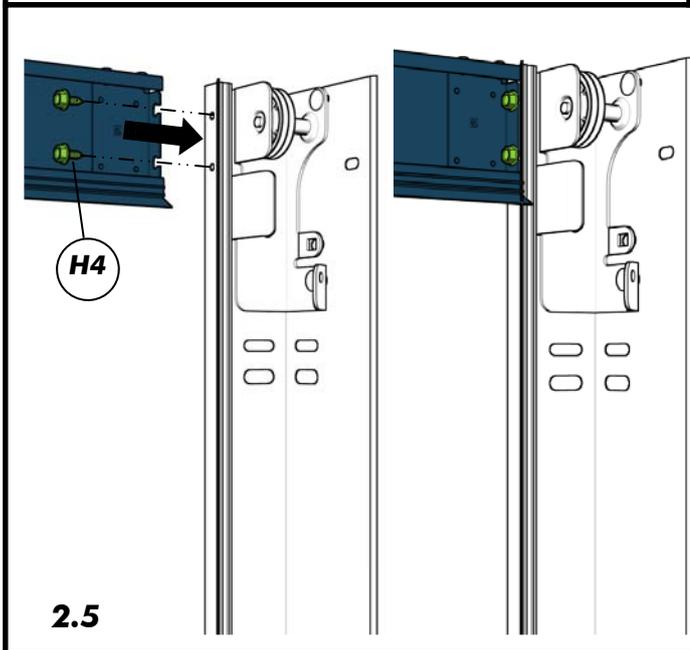
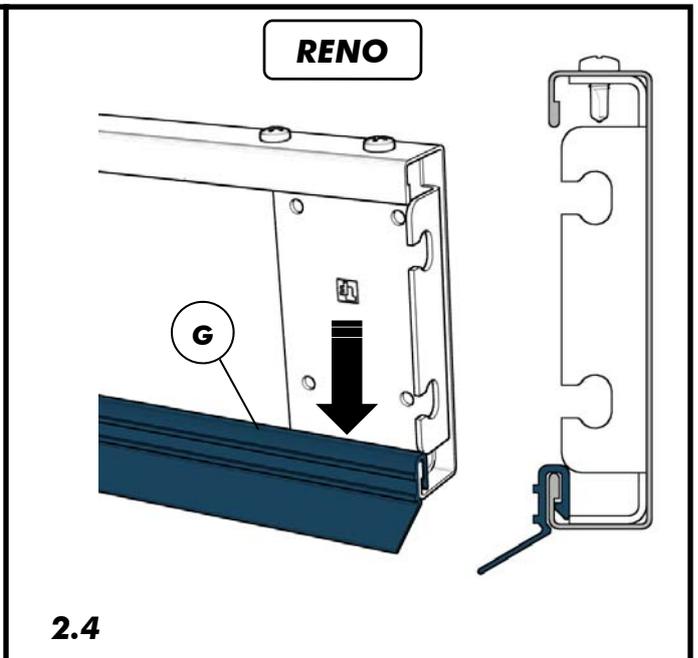
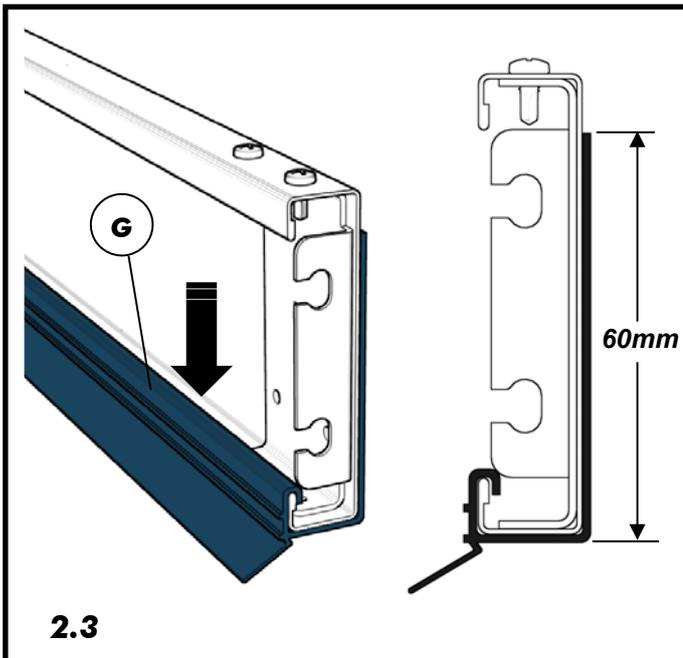
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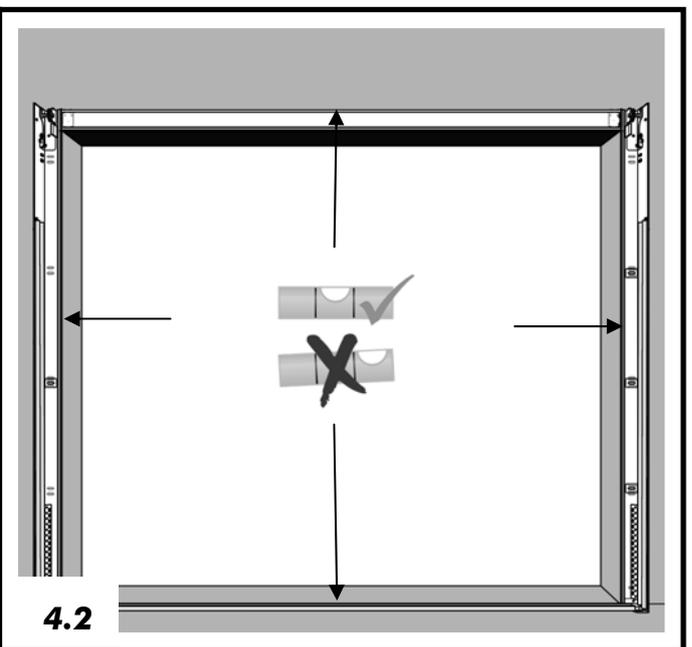
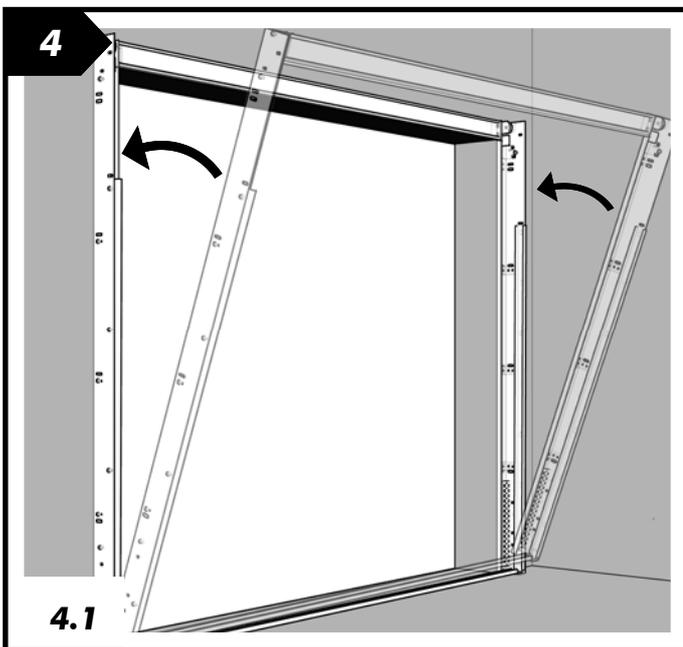
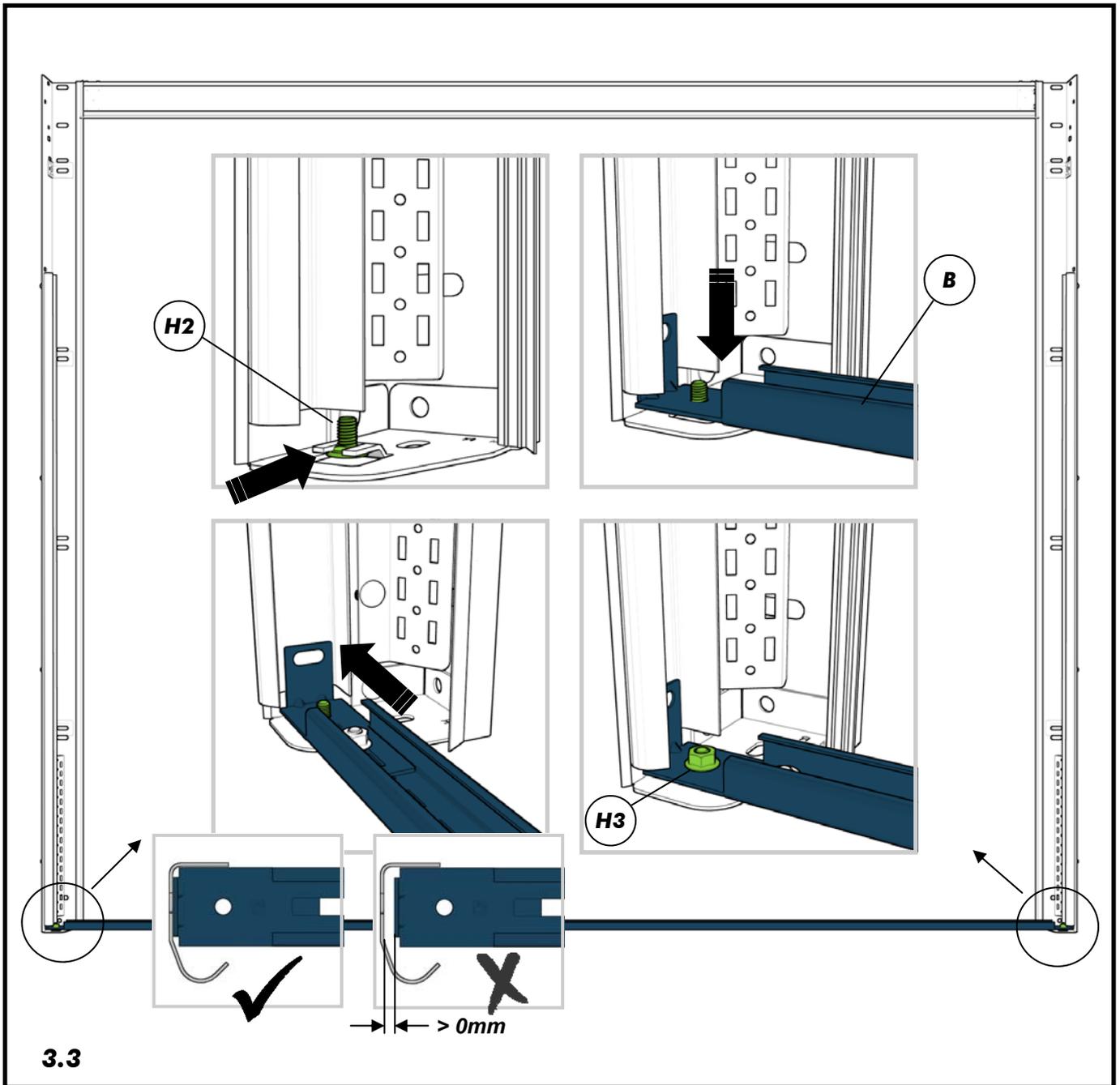


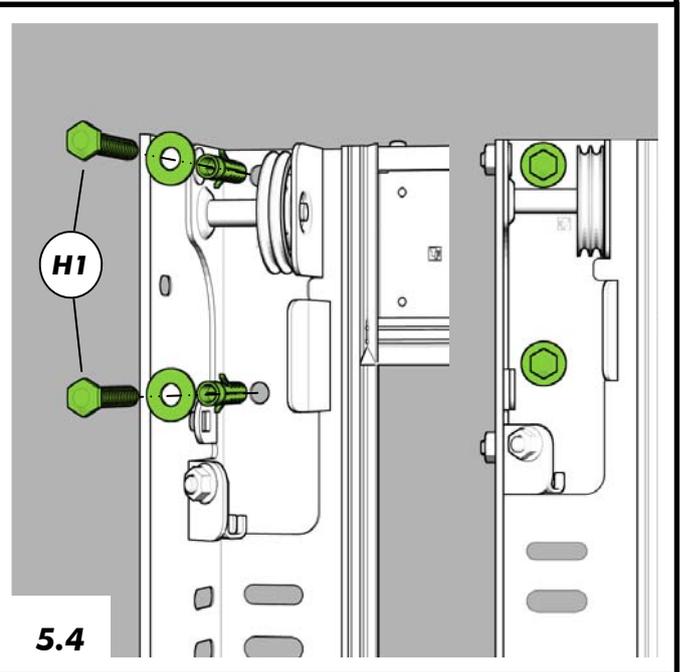
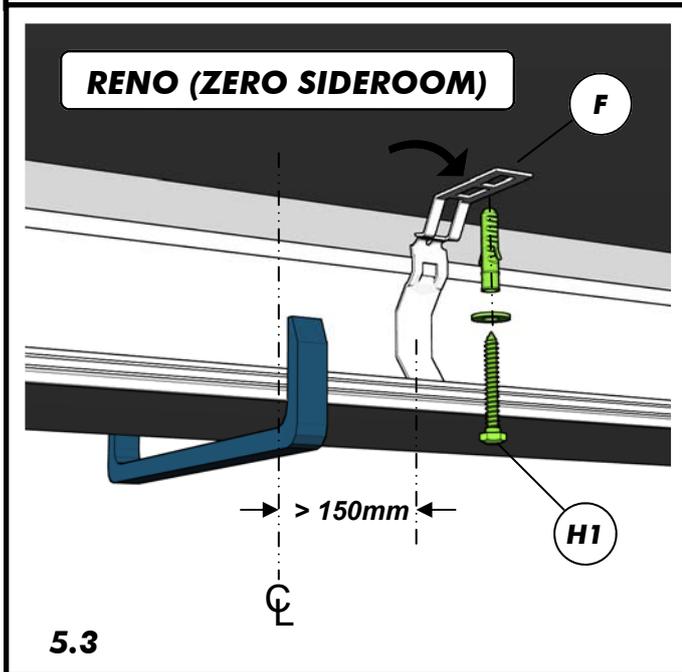
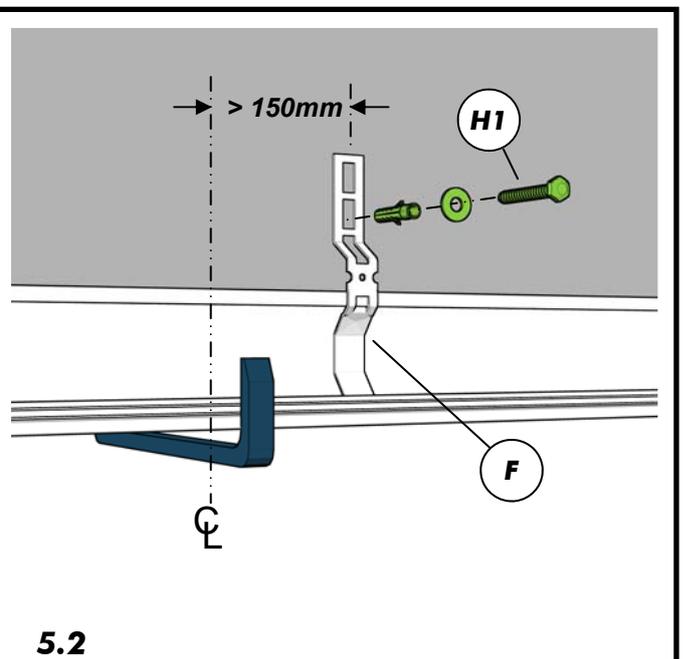
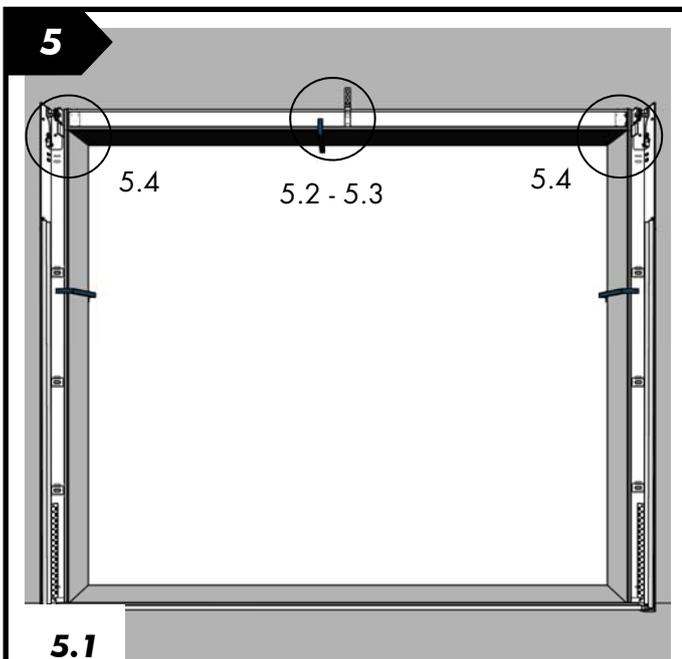
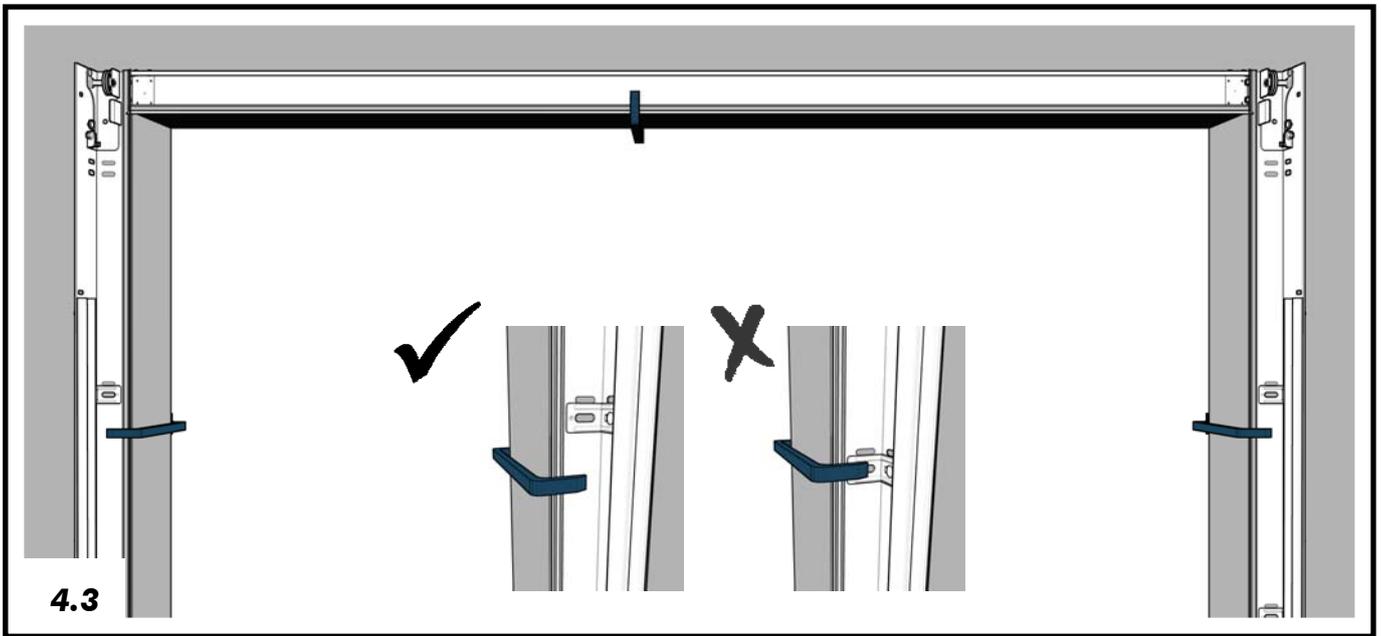
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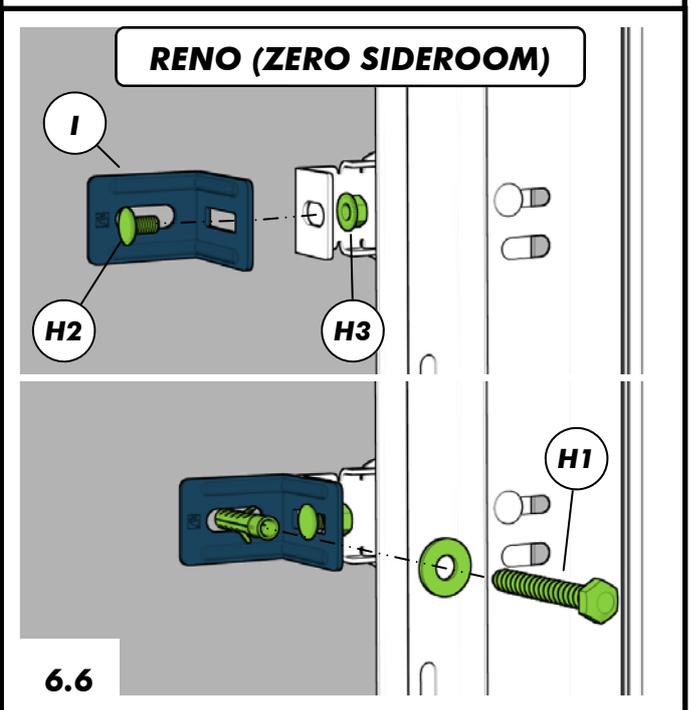
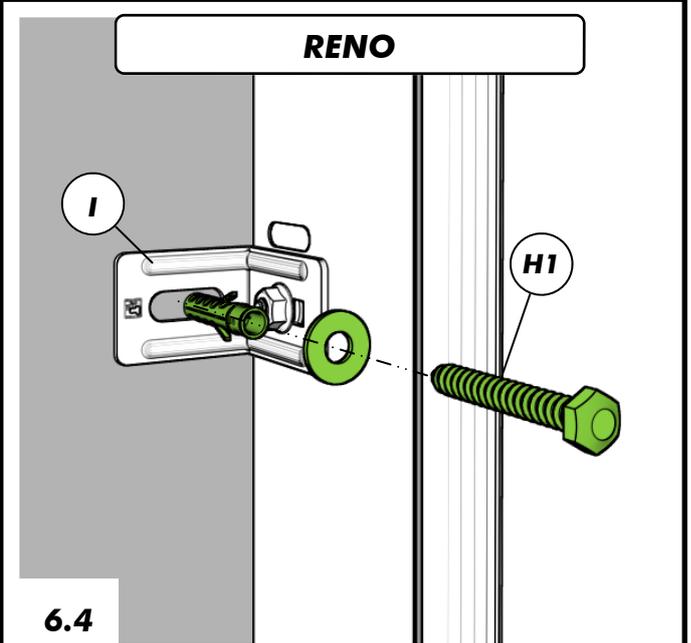
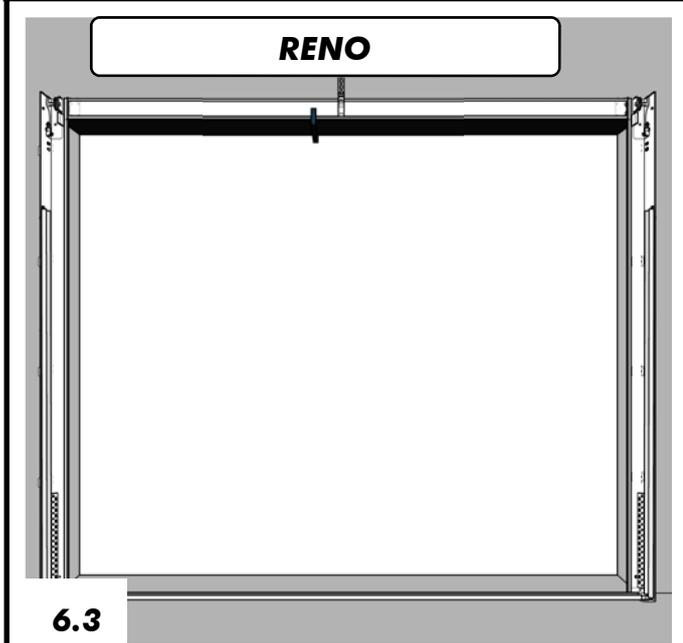
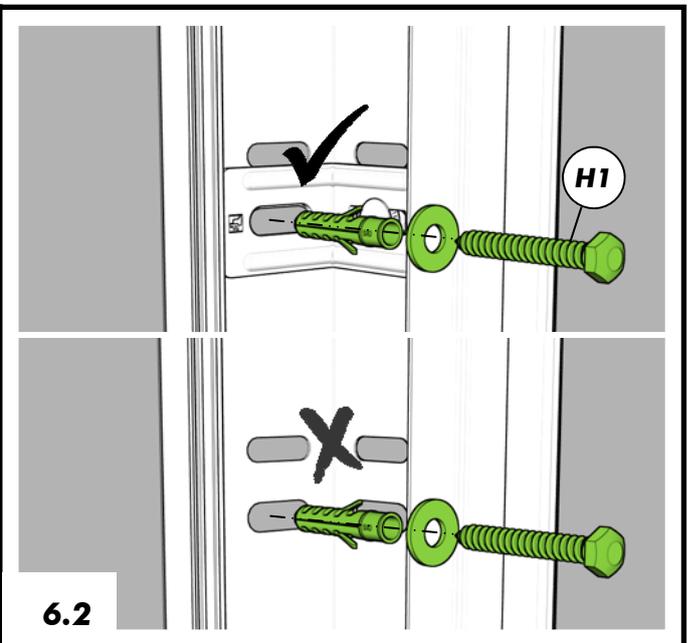
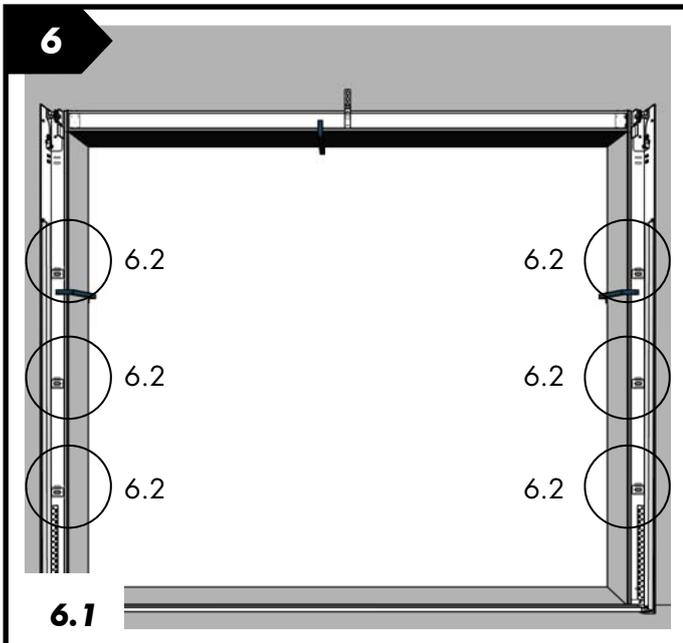


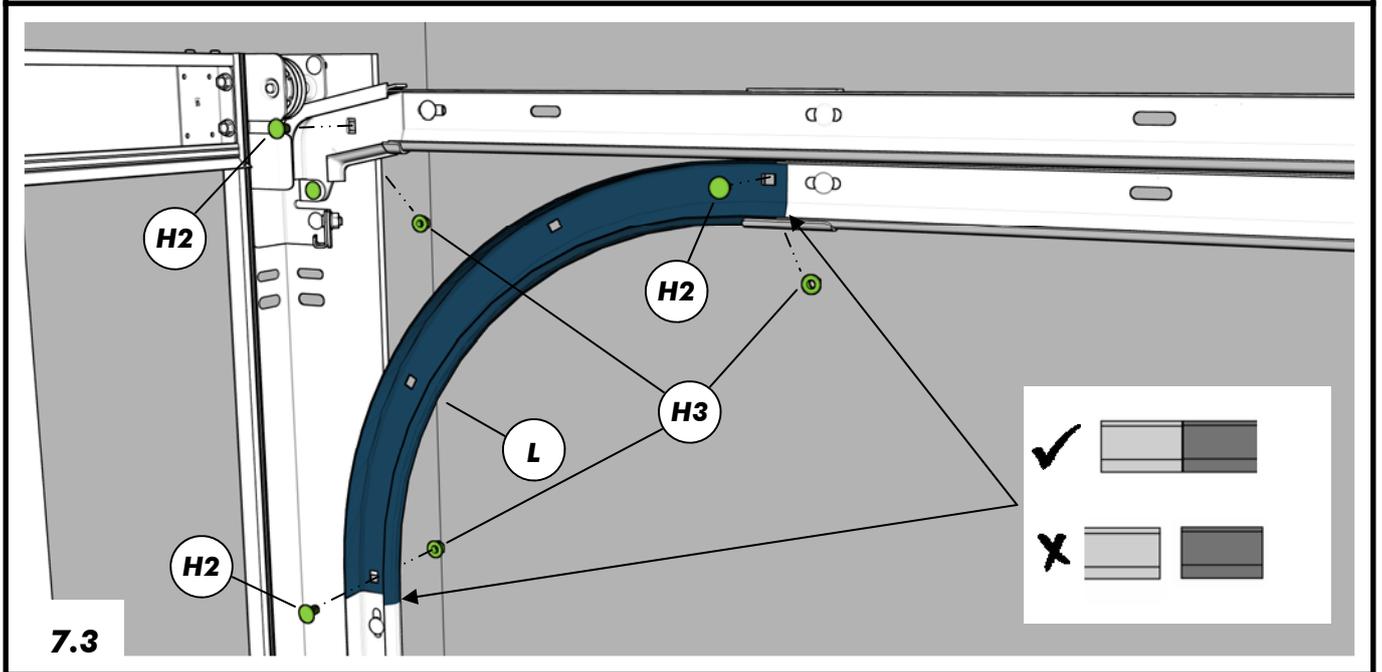
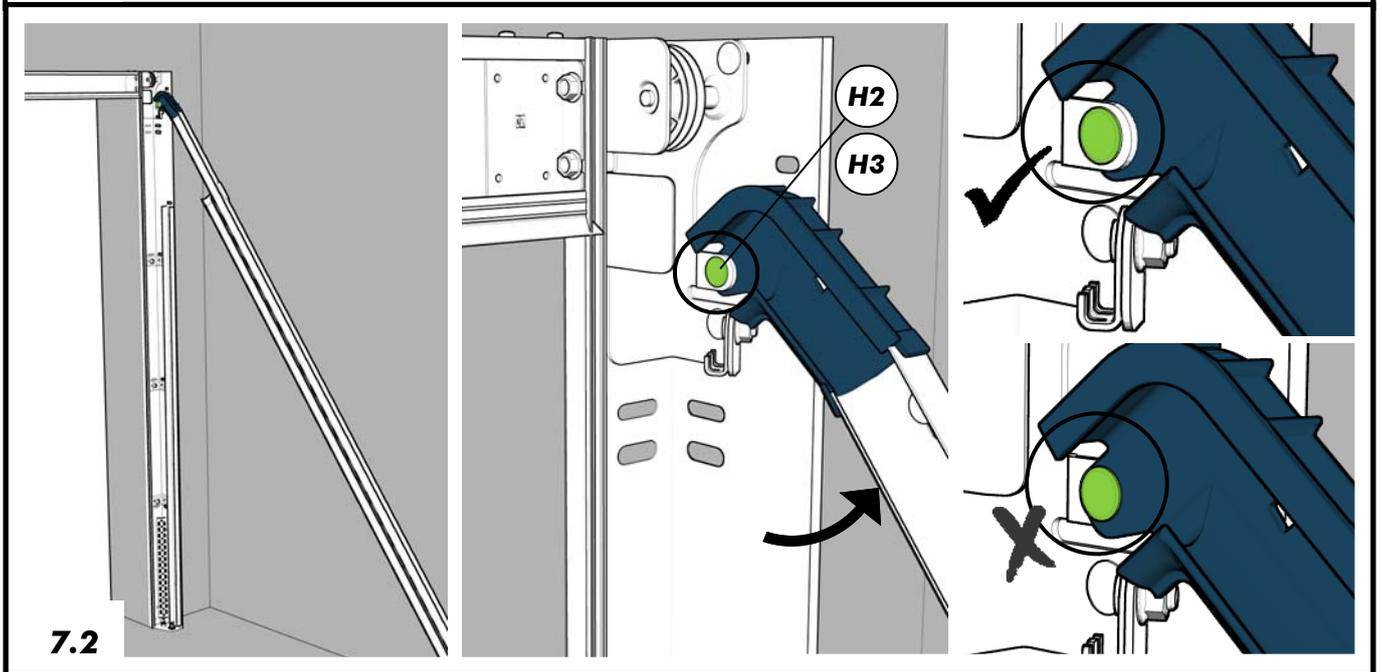
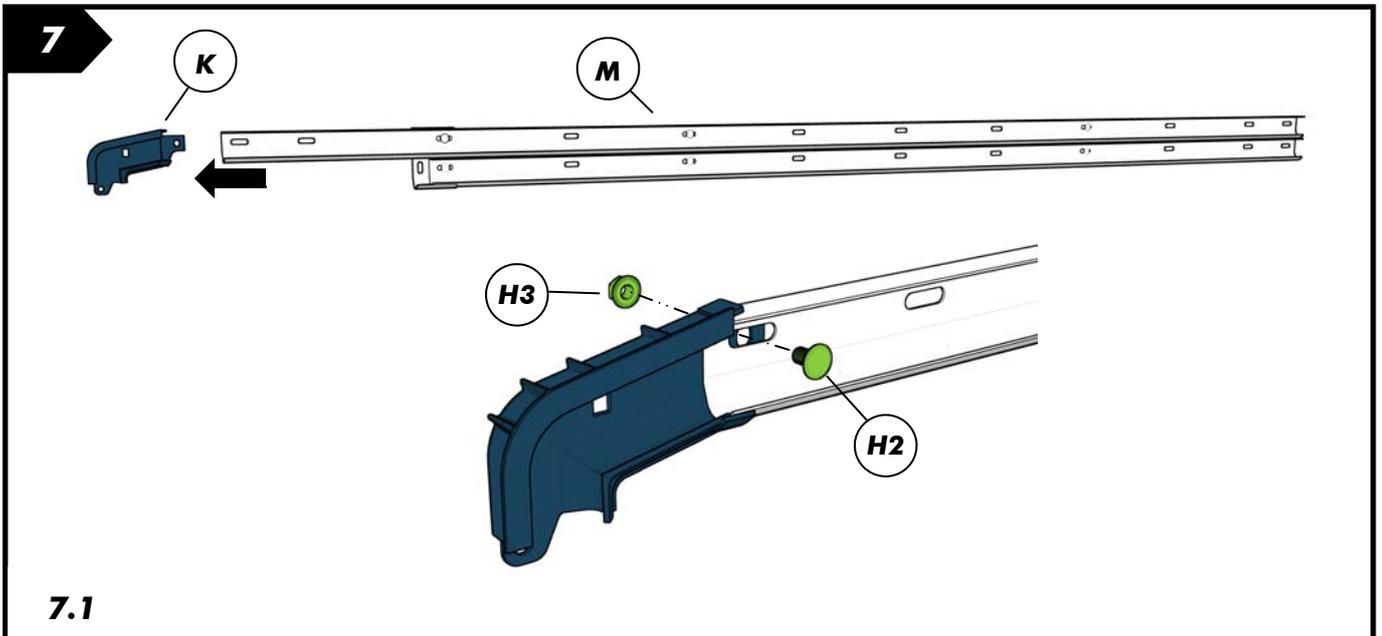


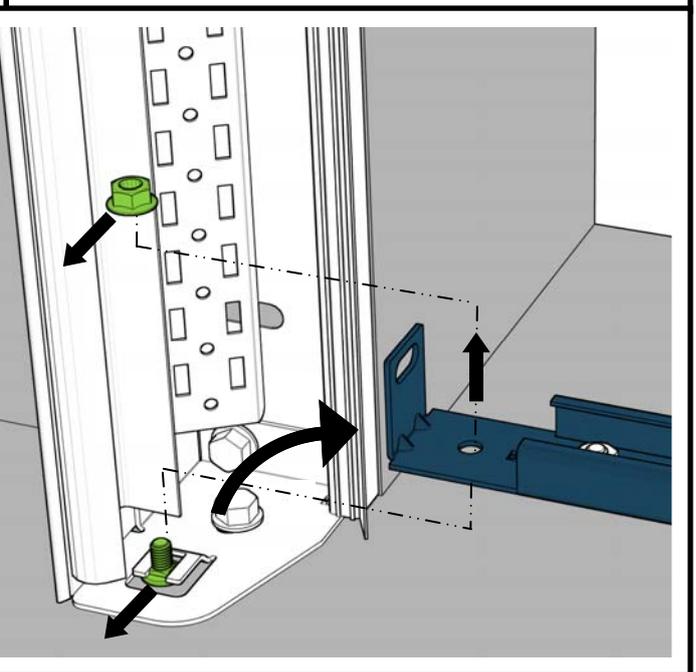
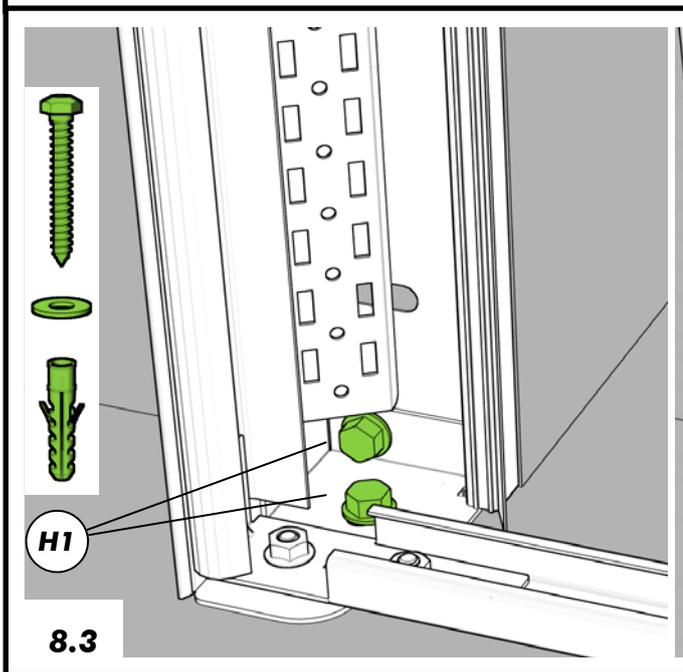
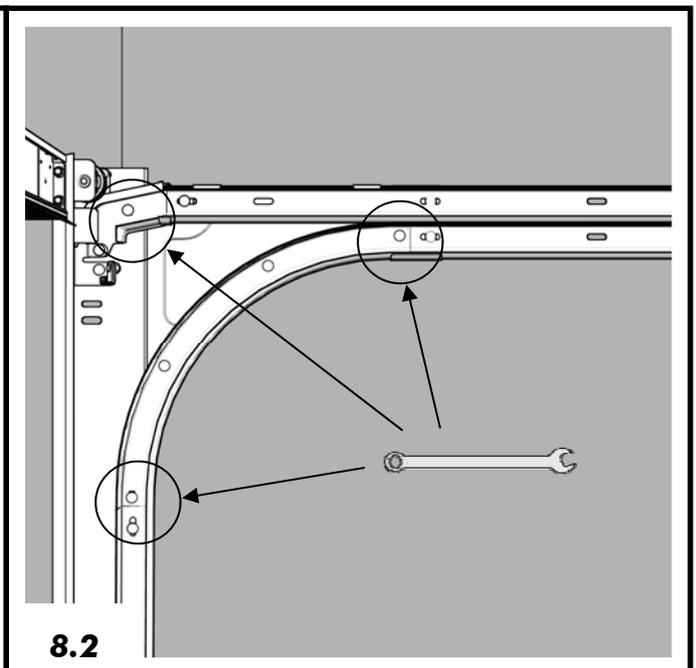
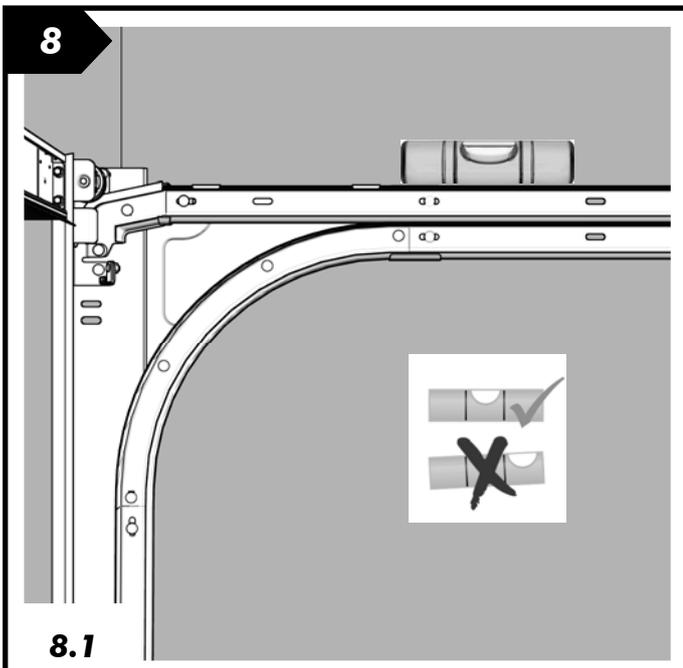
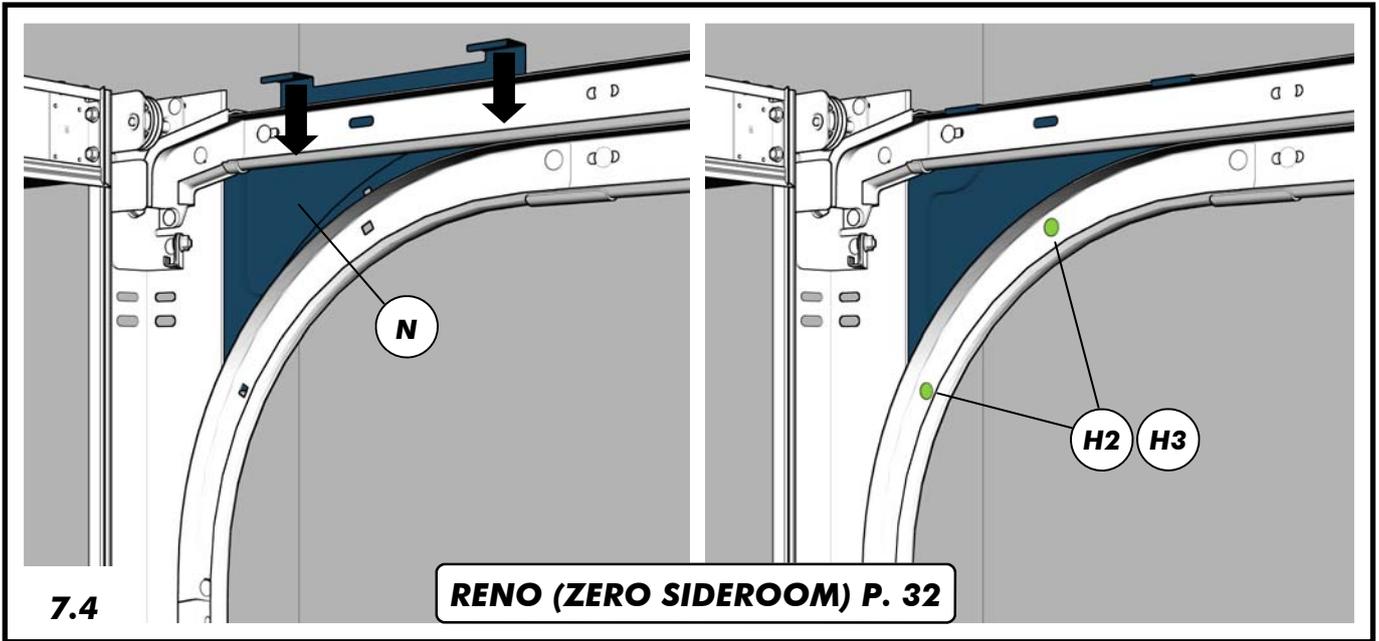


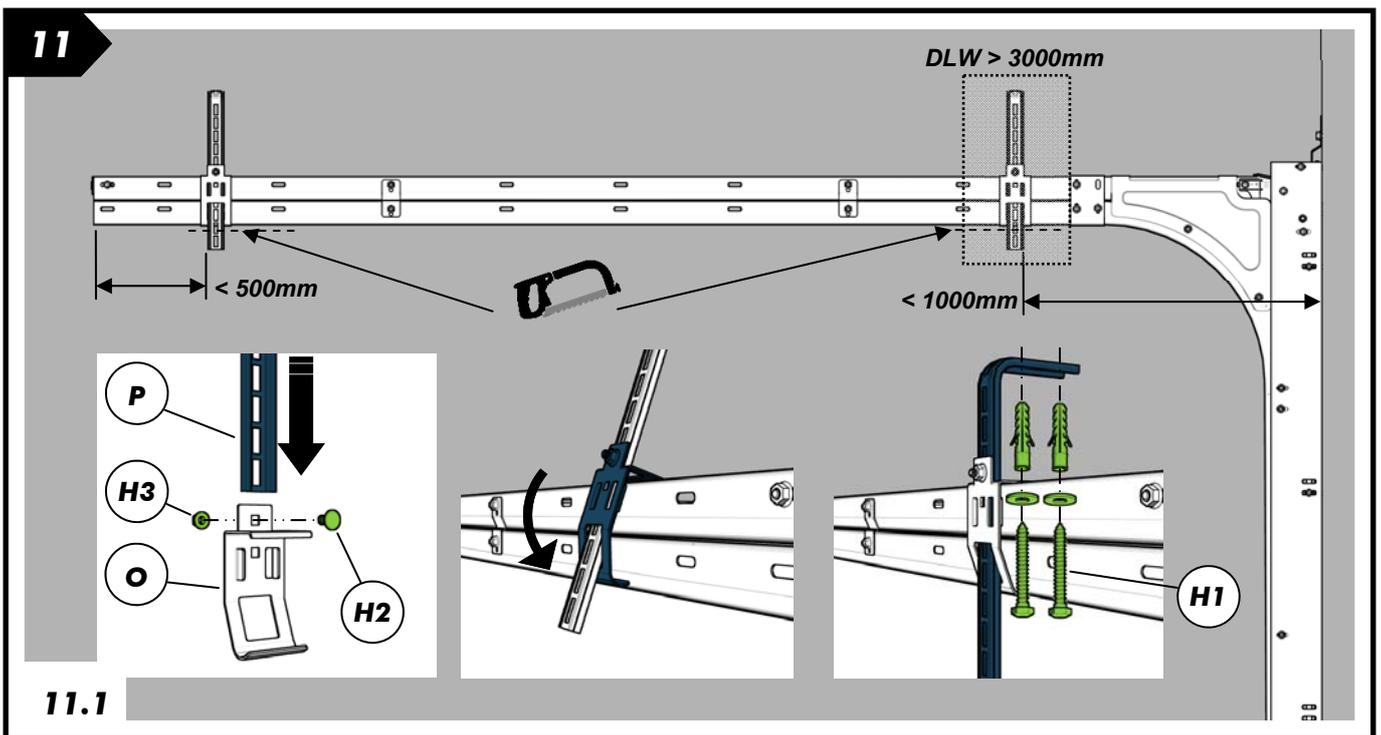
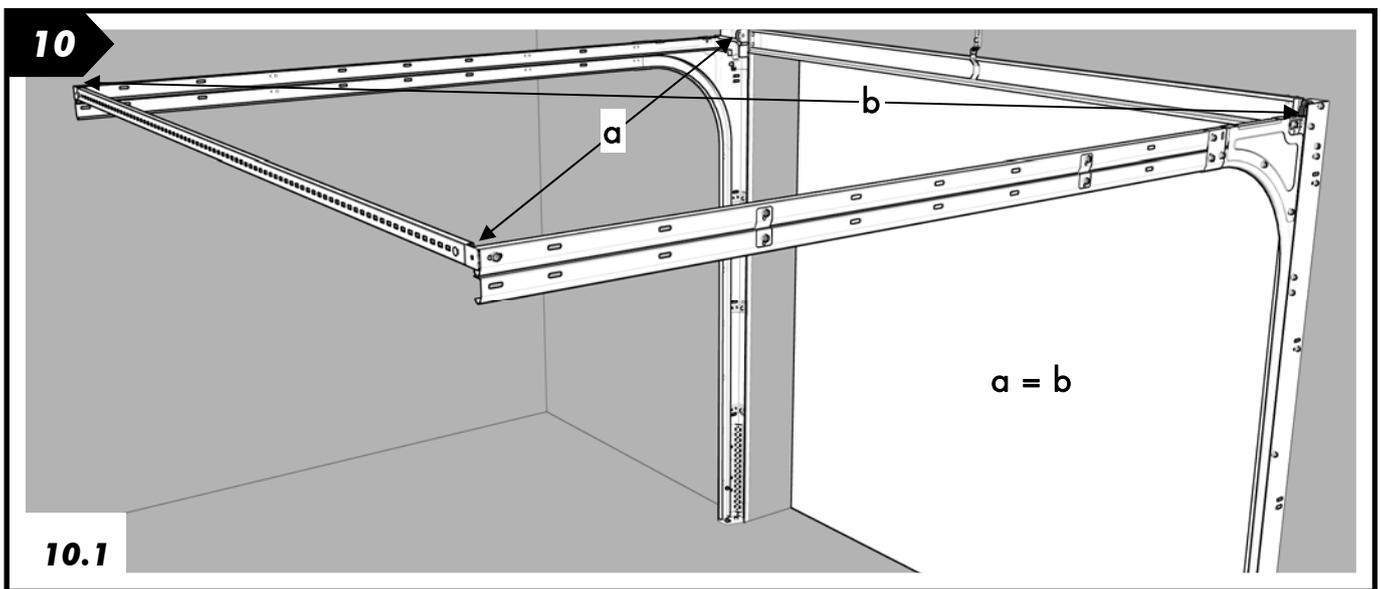
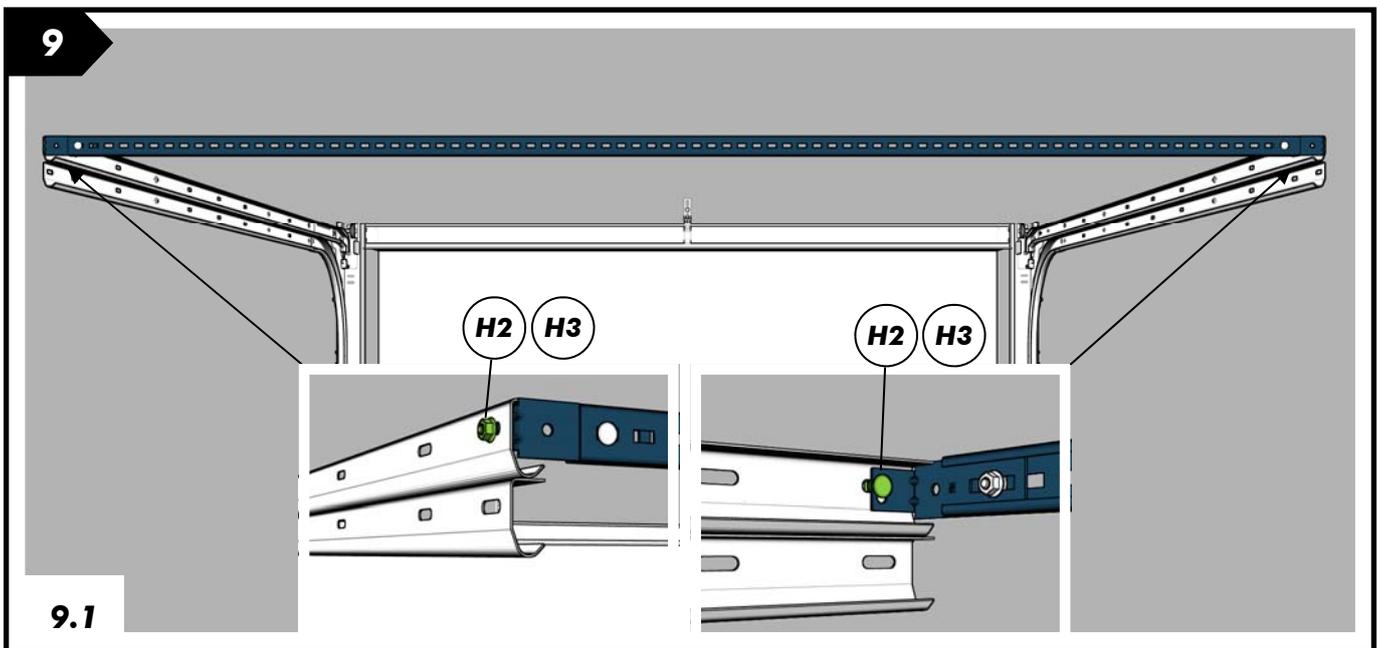


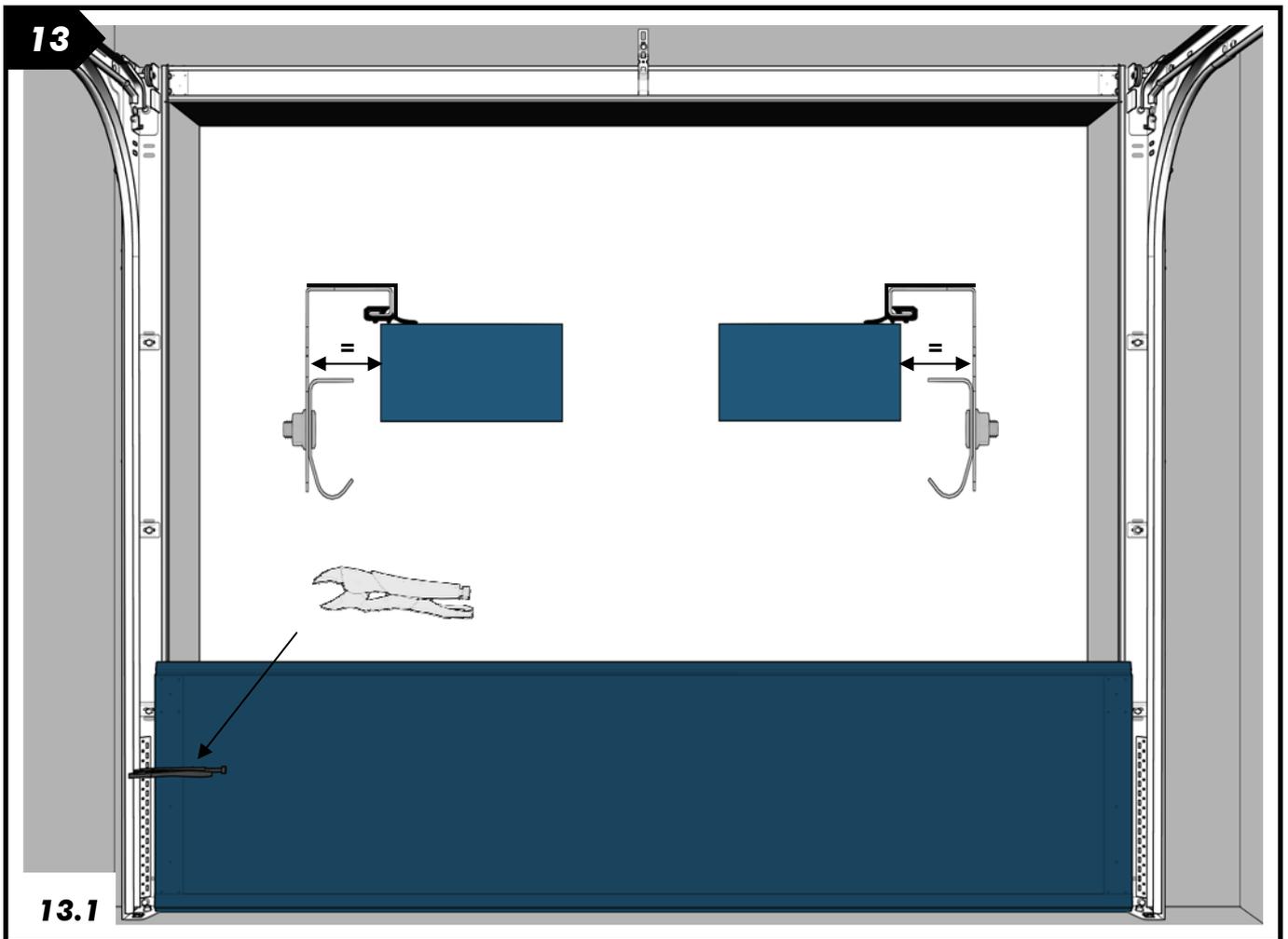
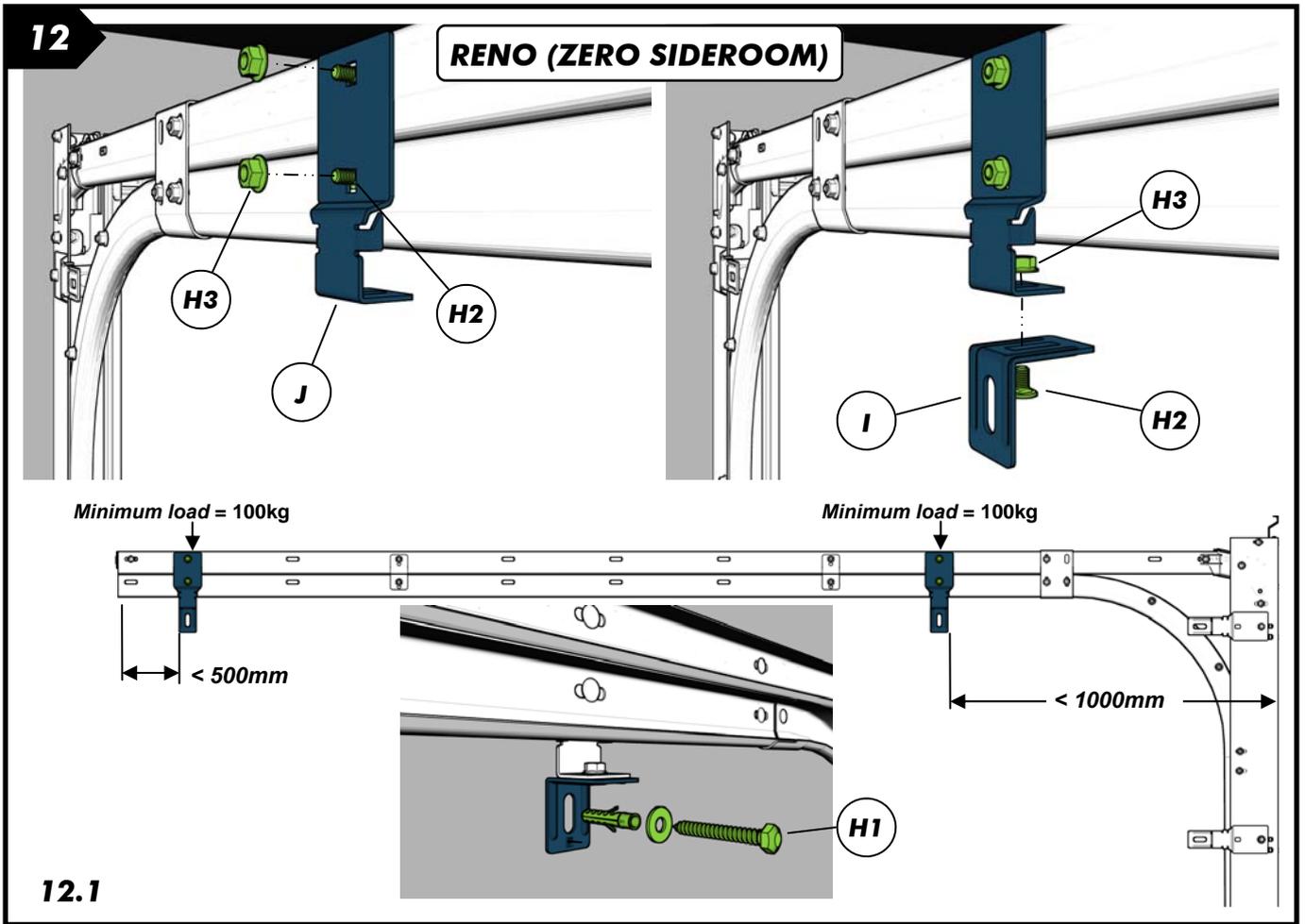


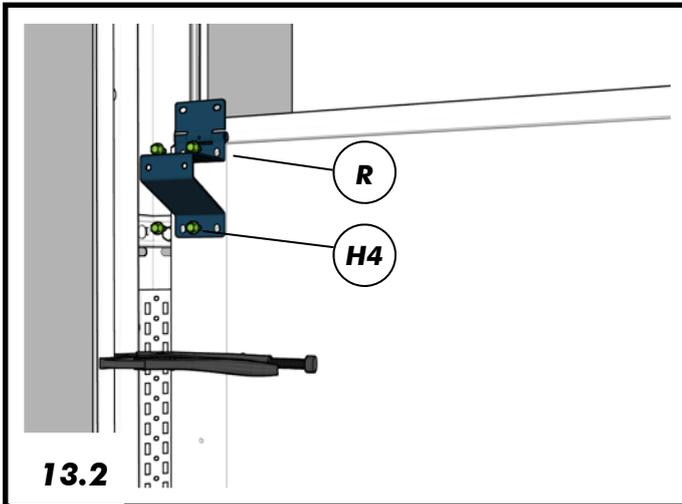




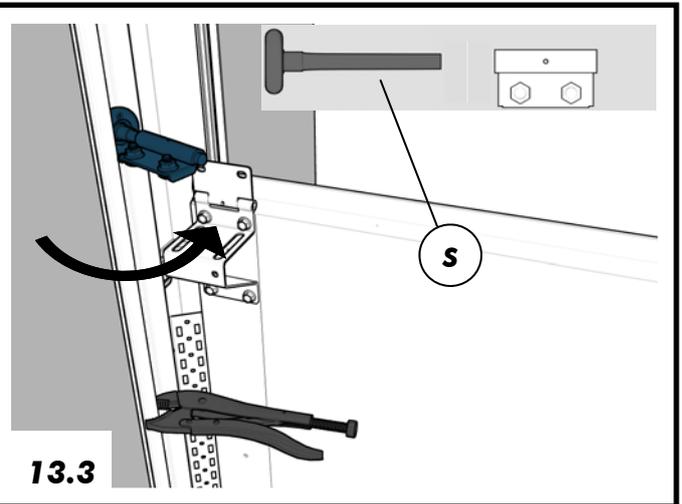




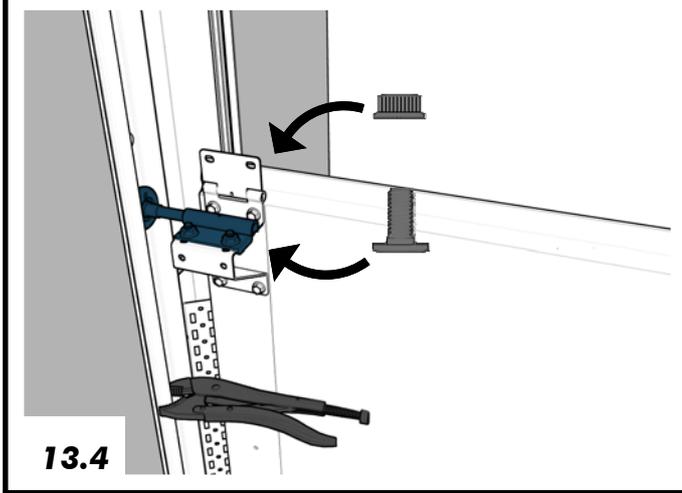




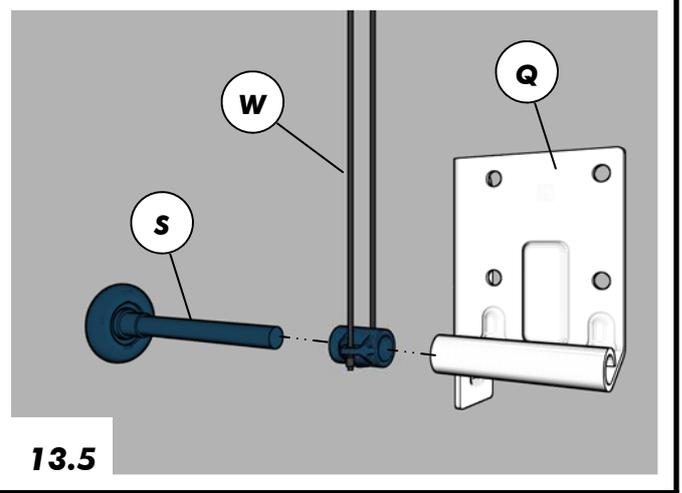
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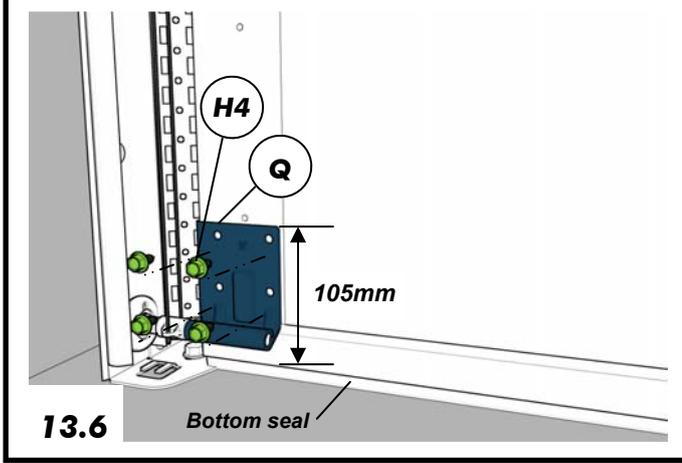
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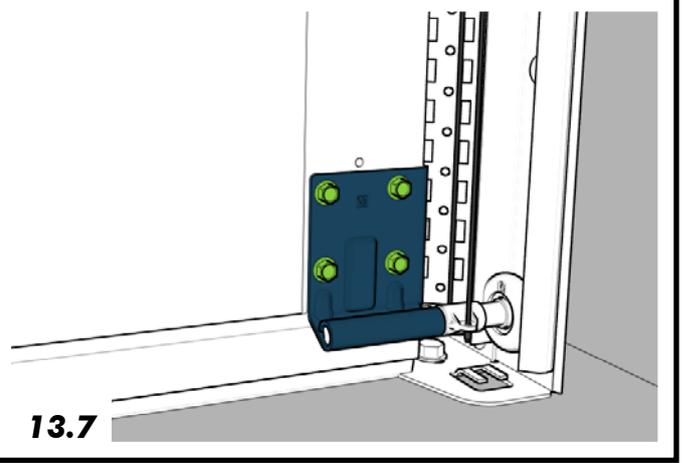
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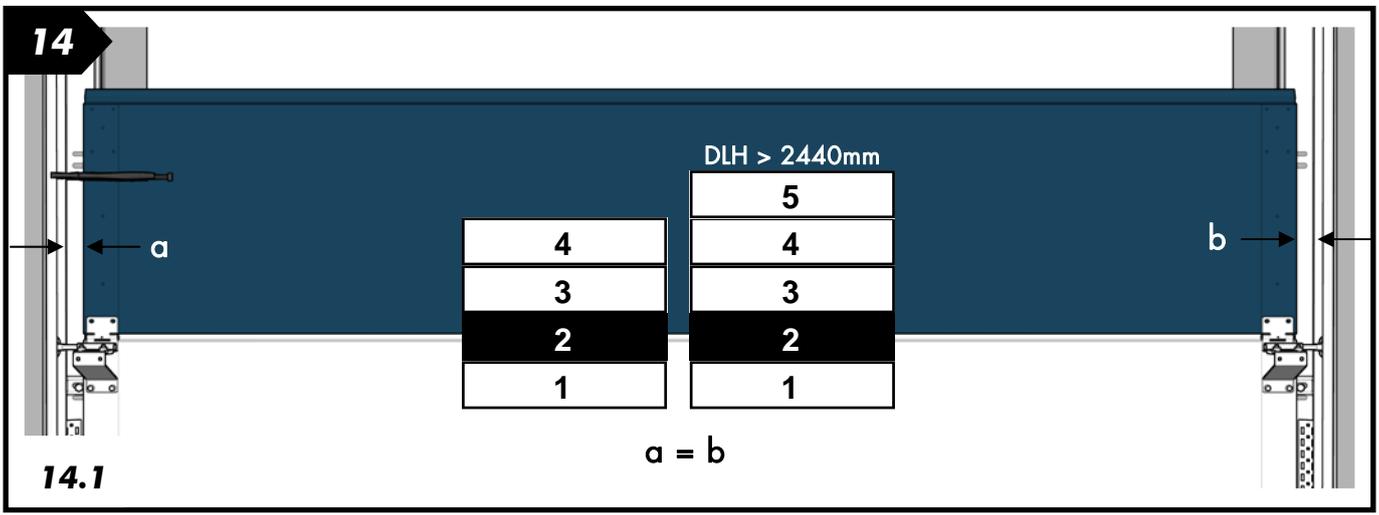
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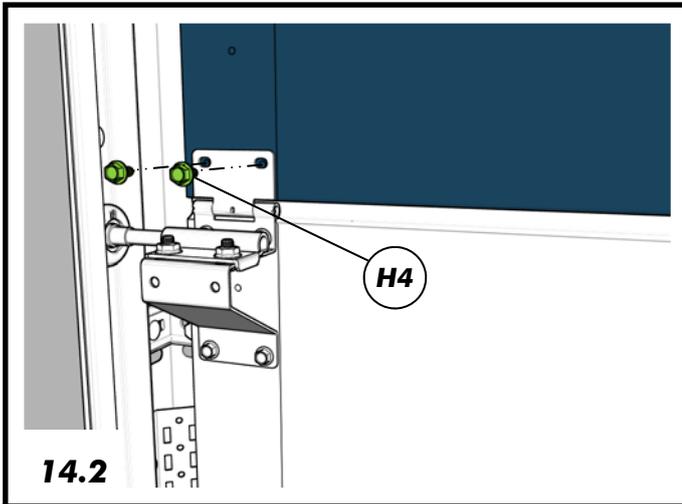
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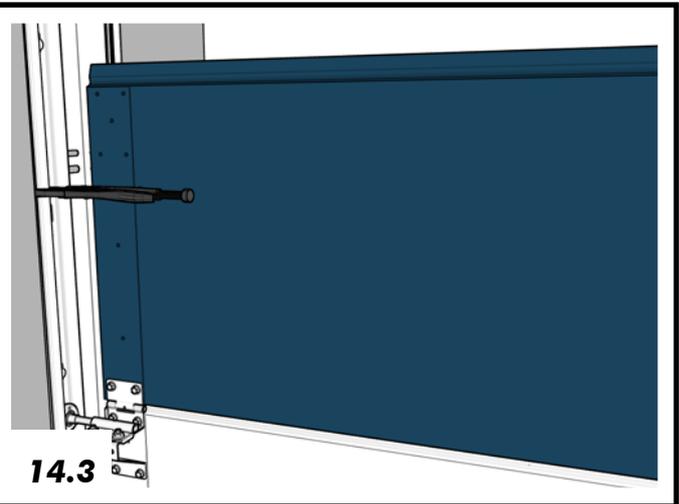
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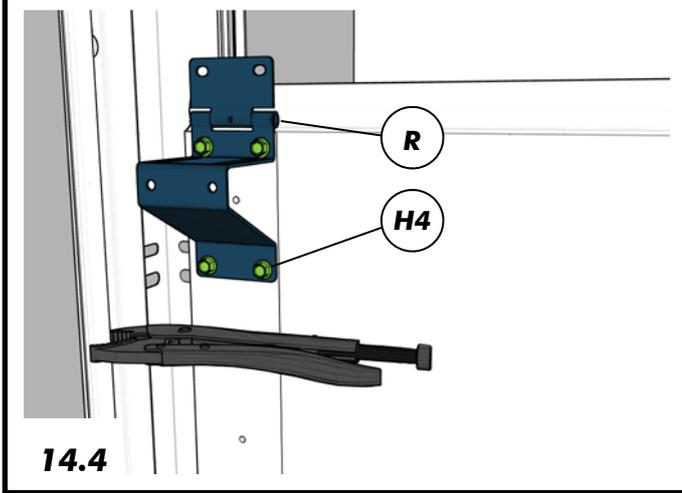
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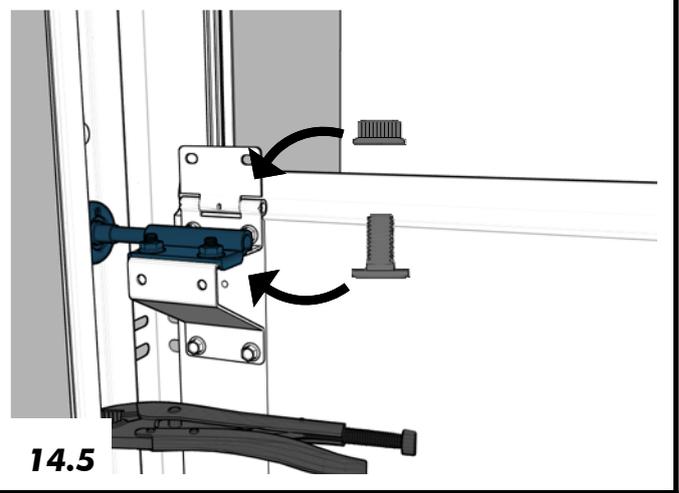
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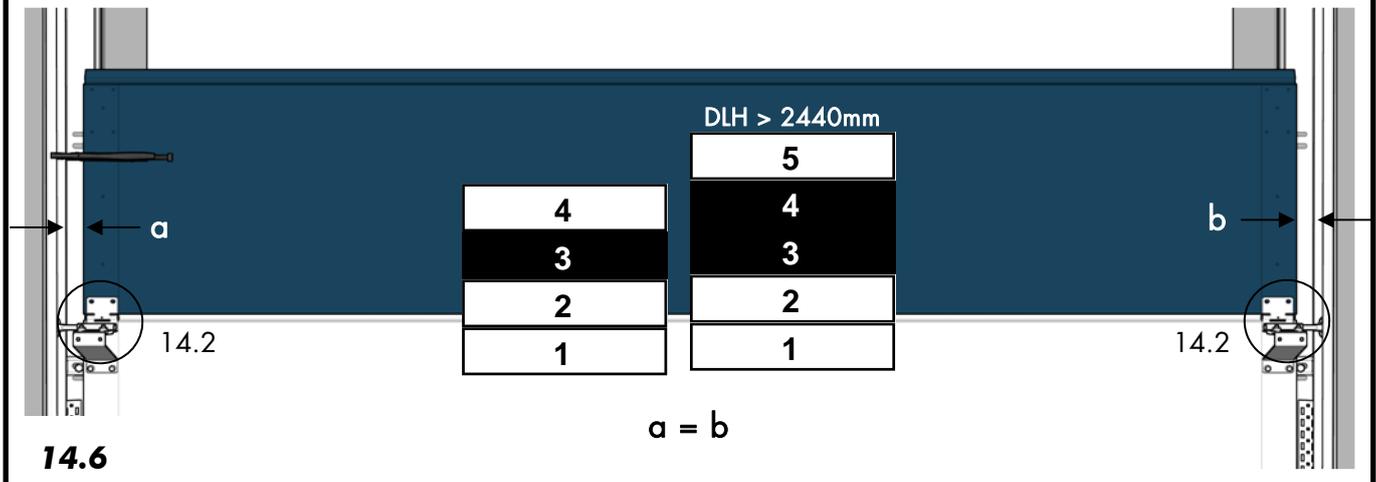
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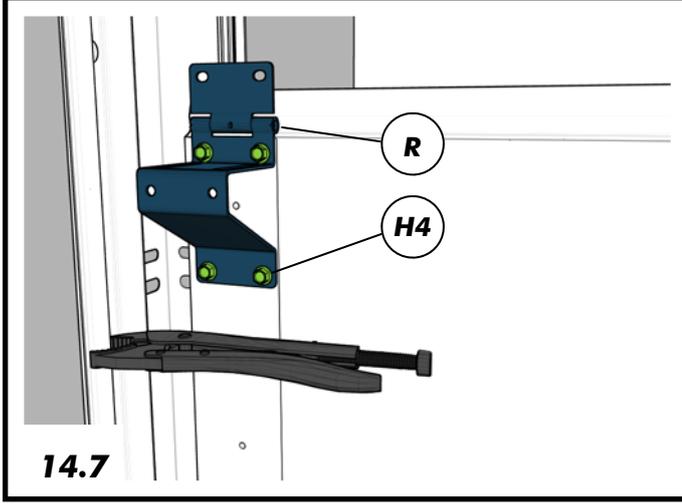
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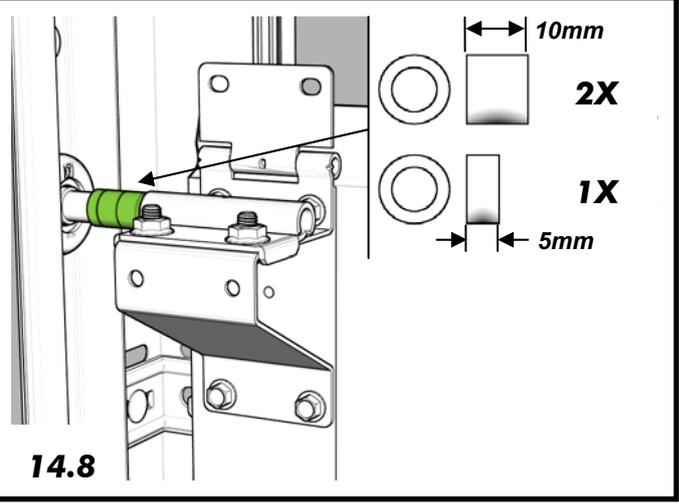
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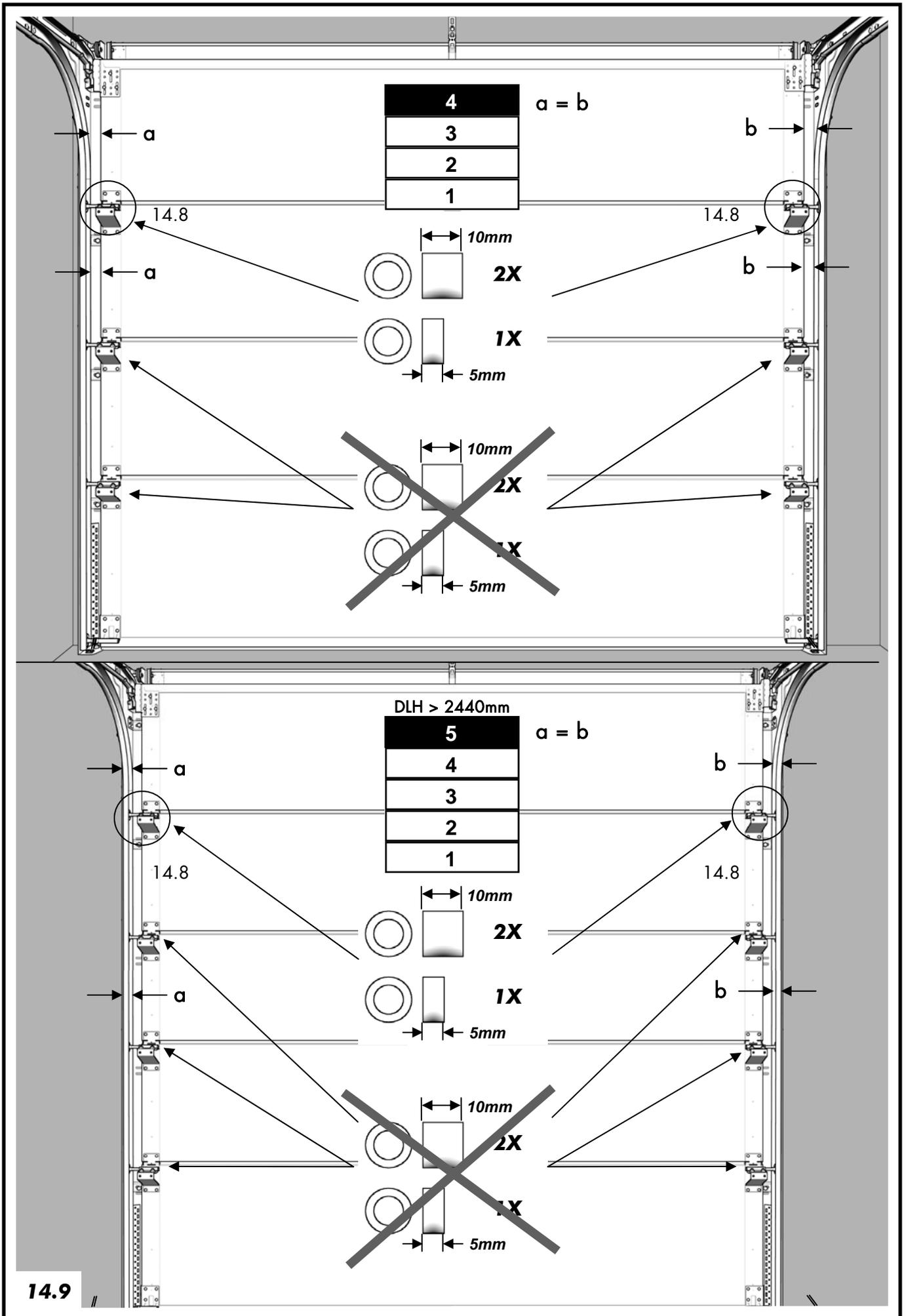
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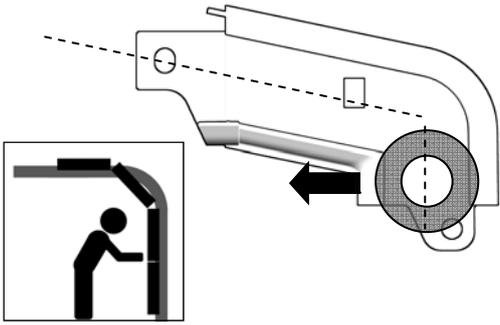
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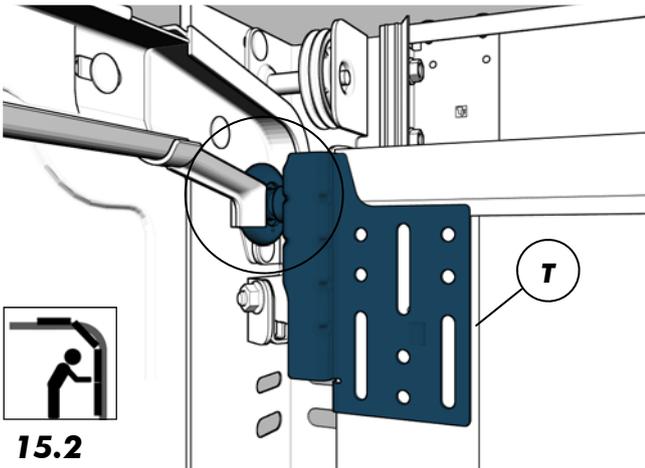
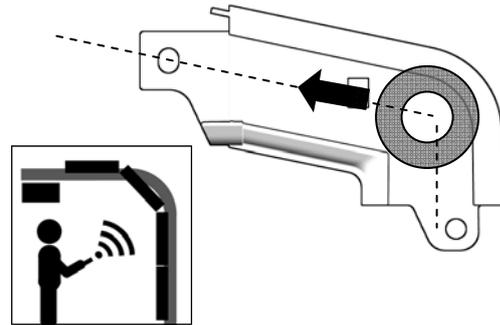
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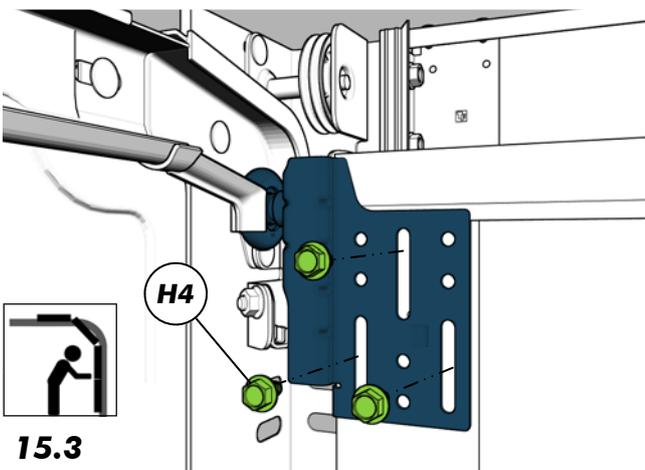
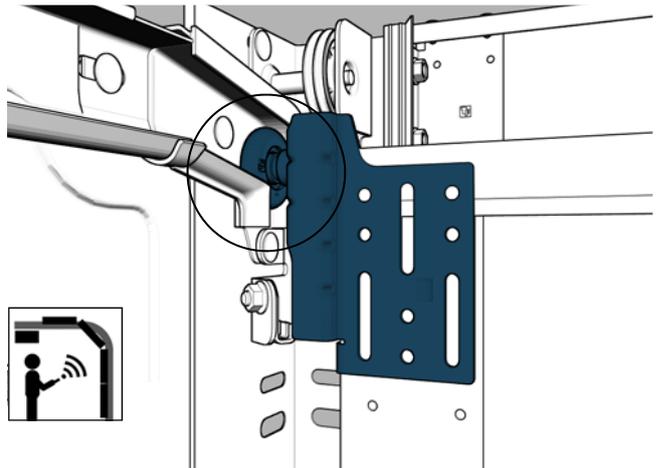
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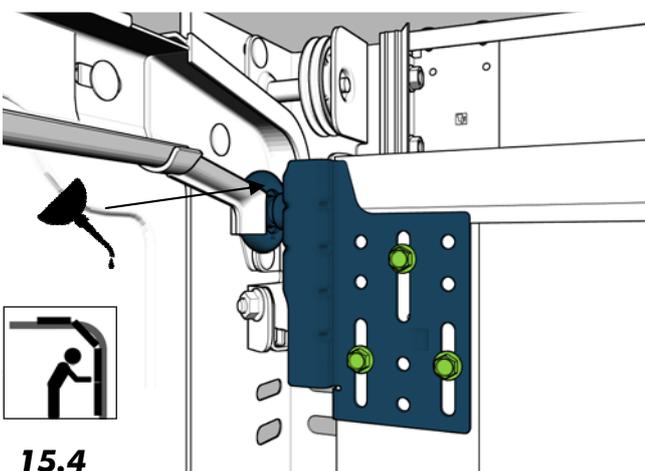
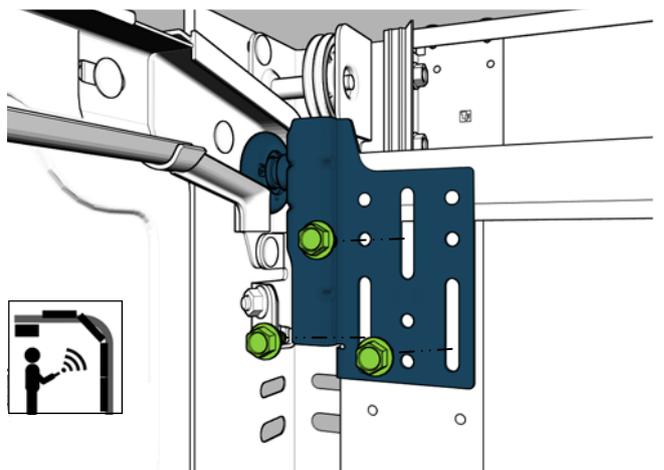
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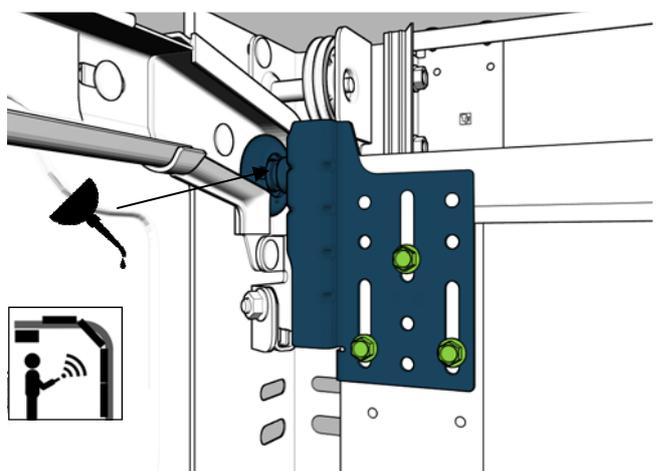
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15.3

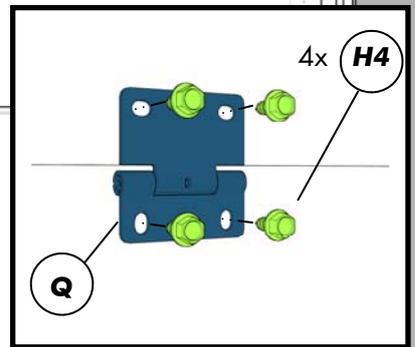


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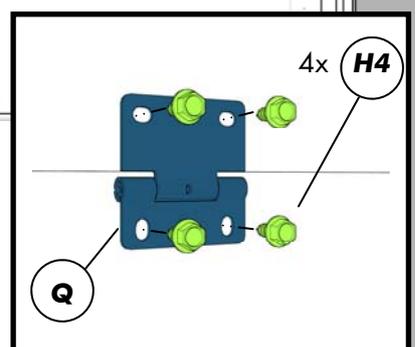


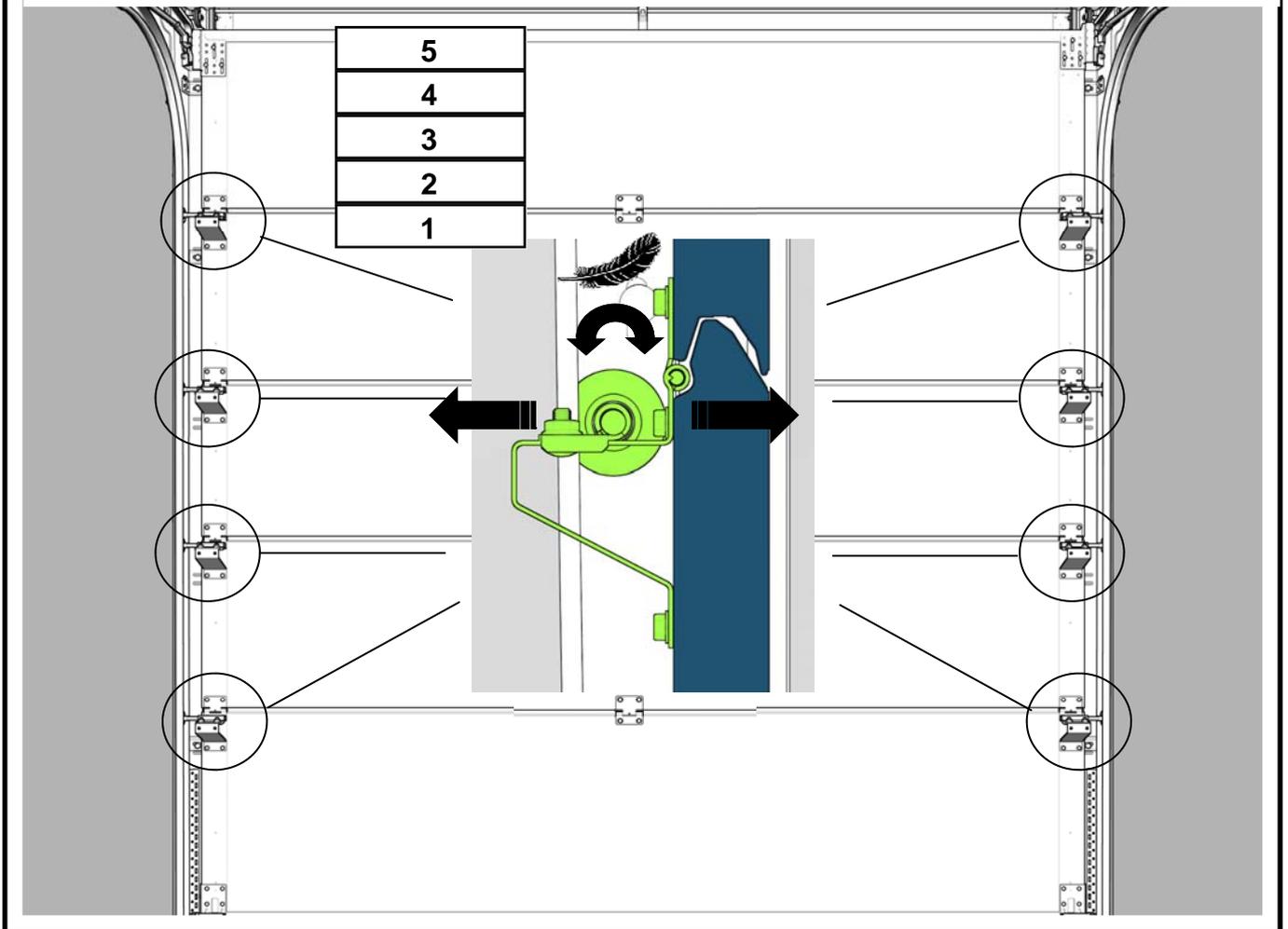
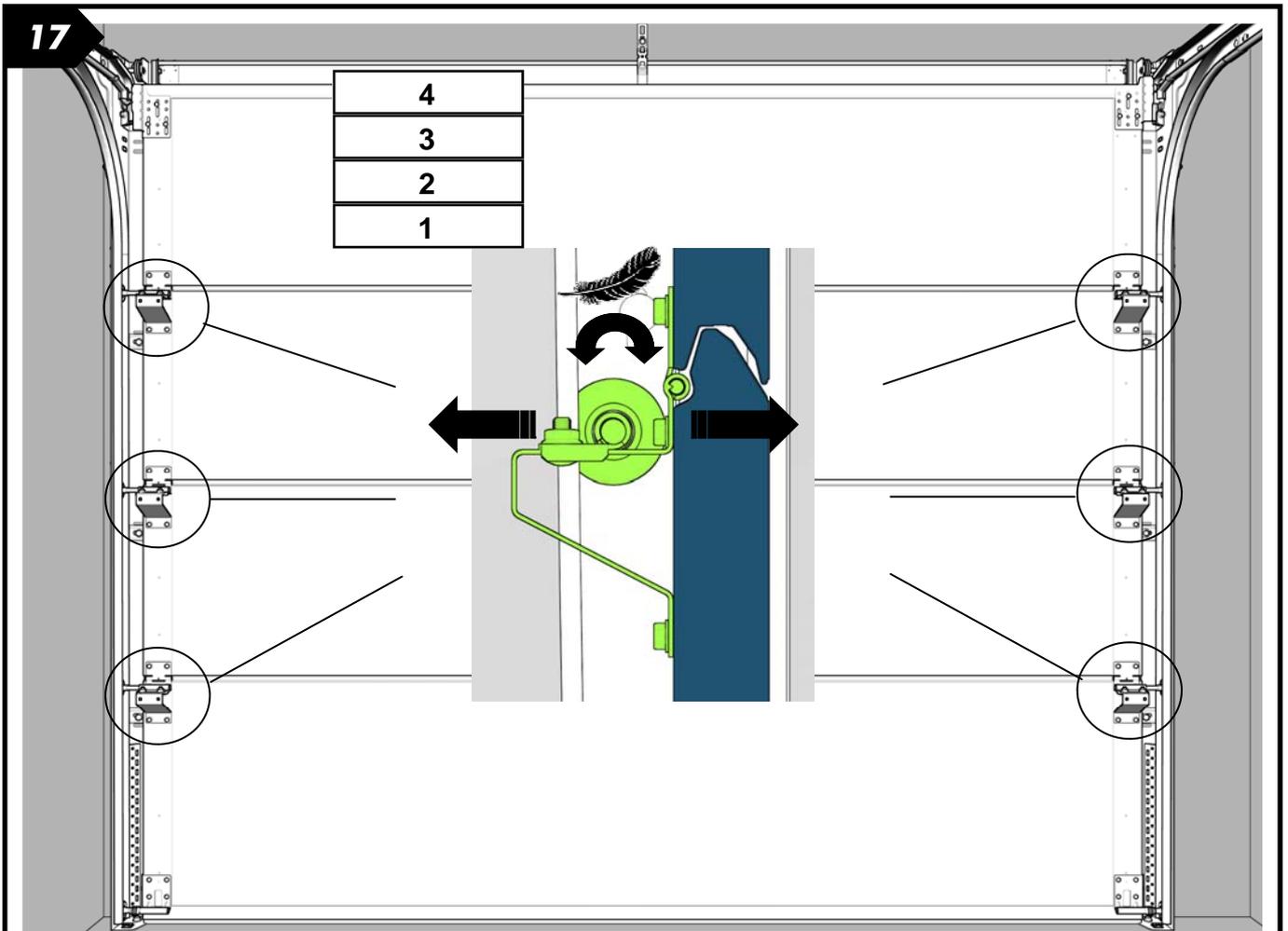
16

**DLW ≤ 3000mm**

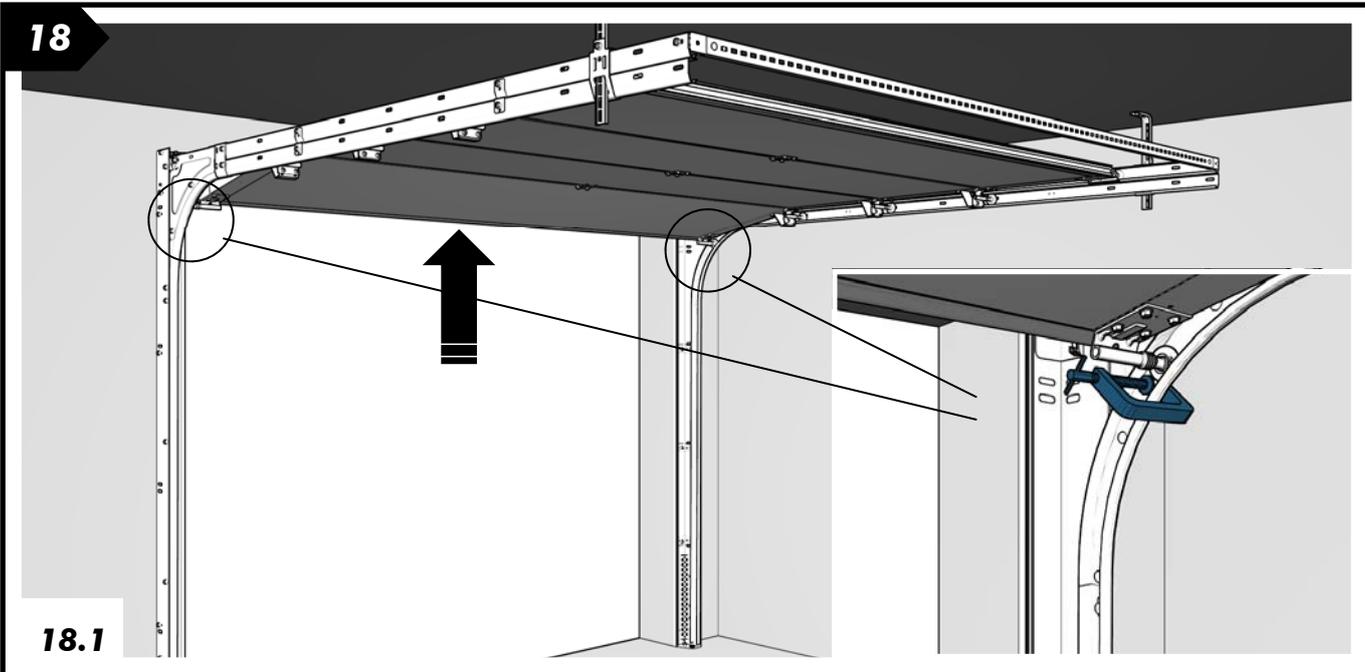


**DLW > 3000mm**

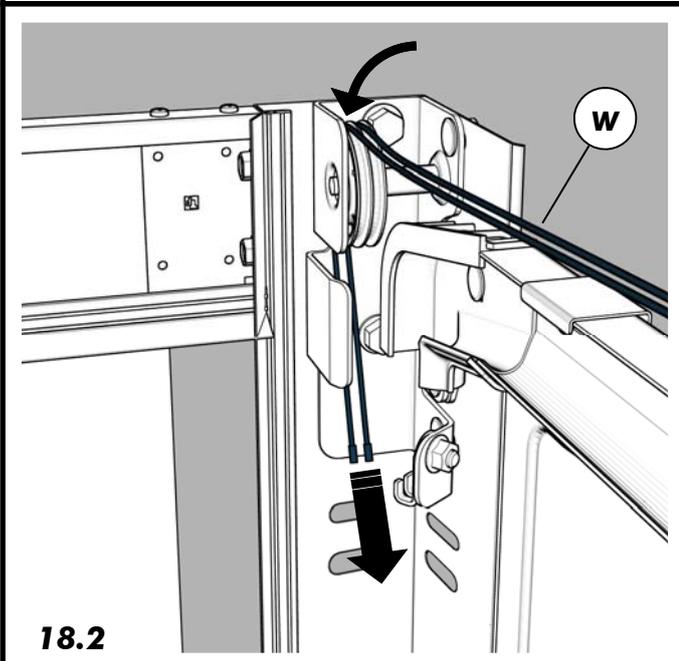




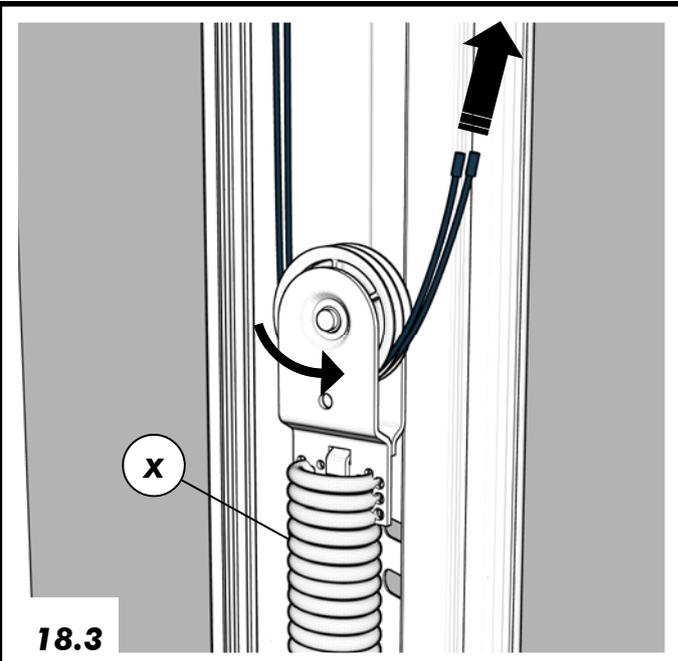
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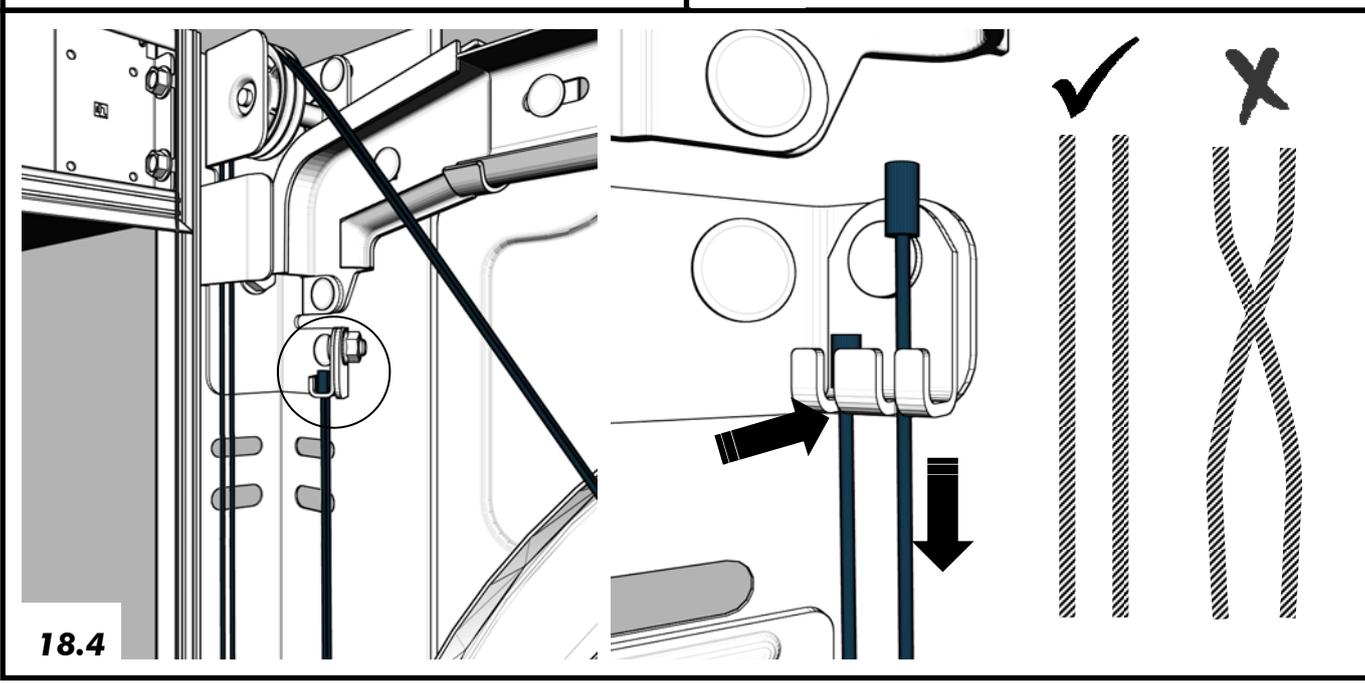
18.1



18.2

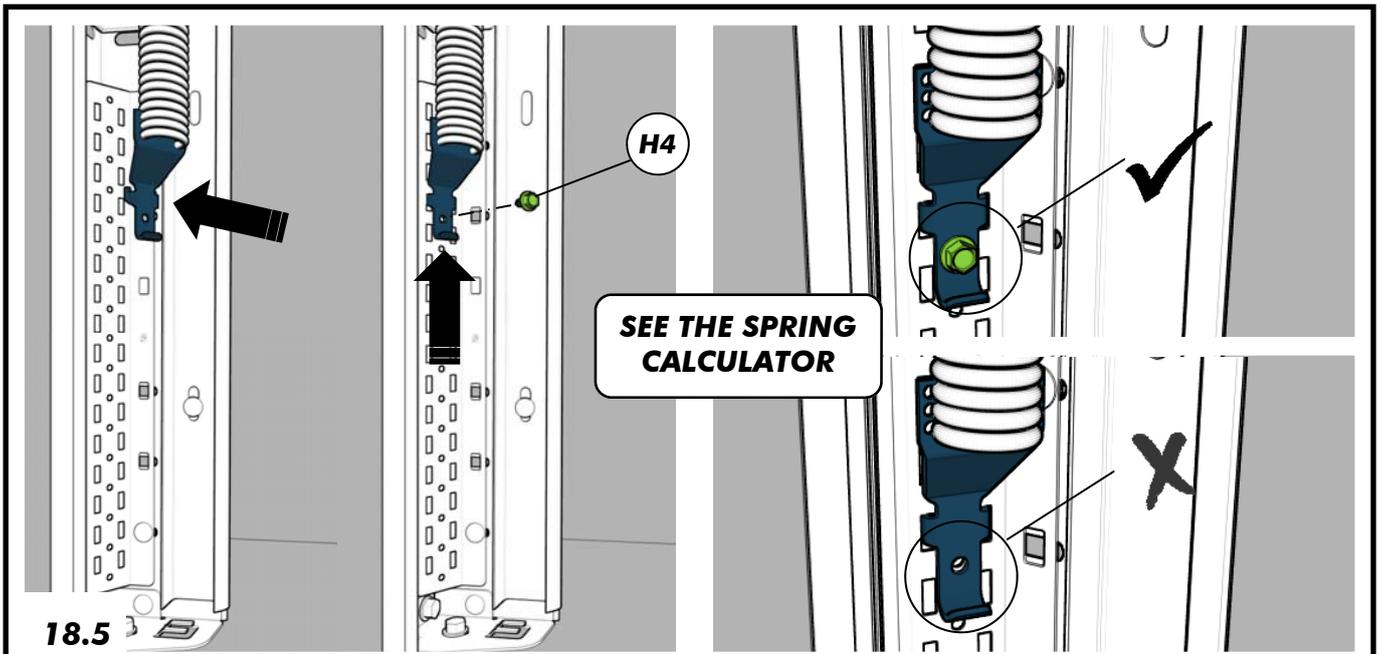


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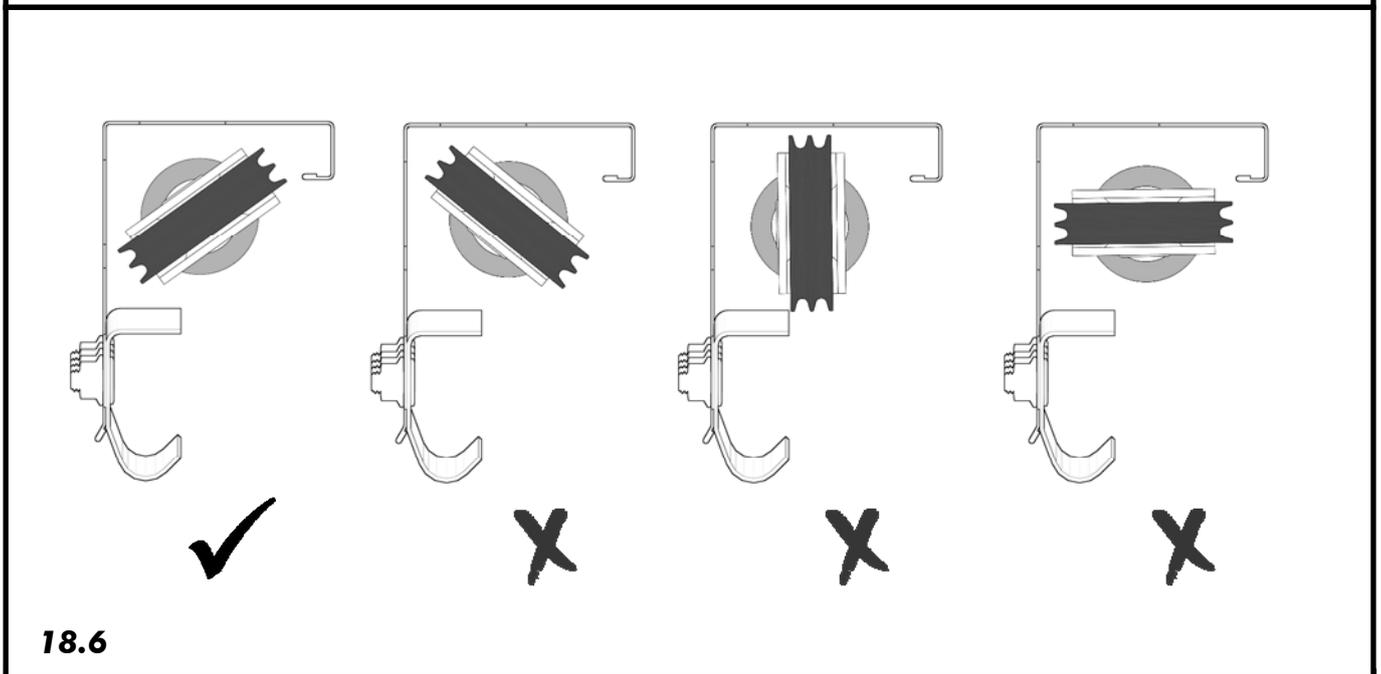


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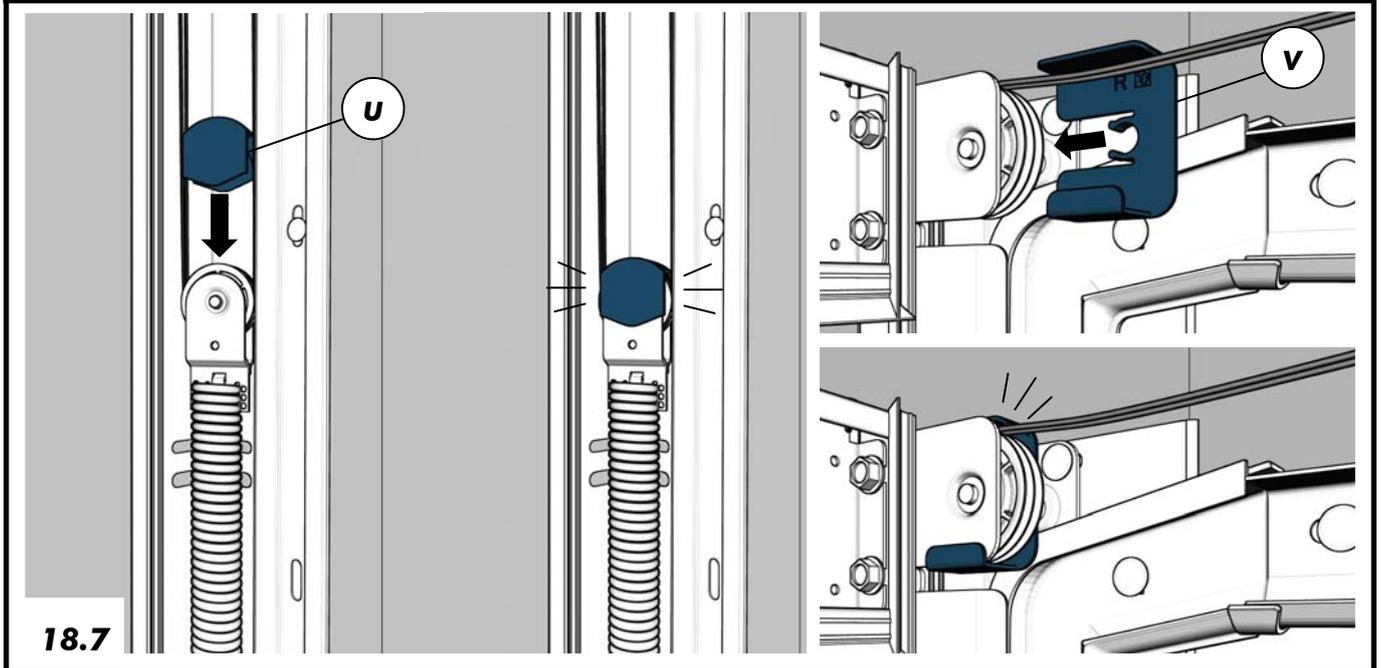




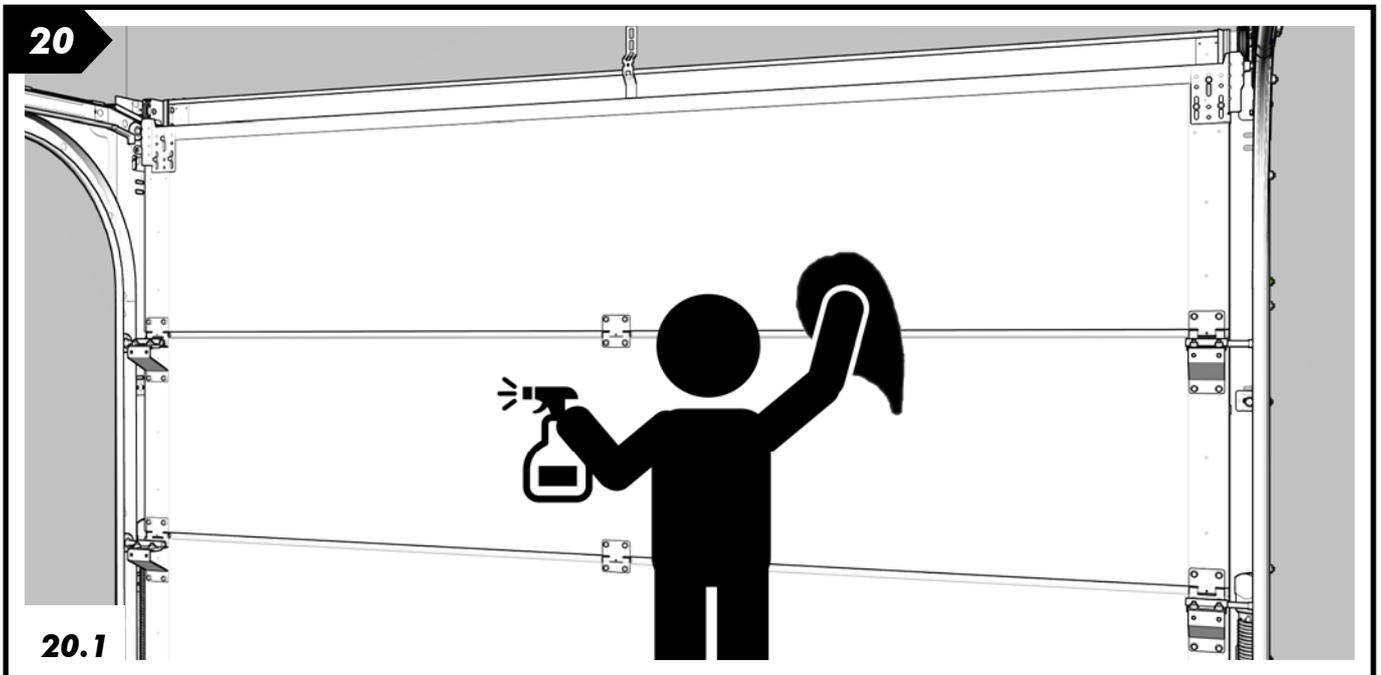
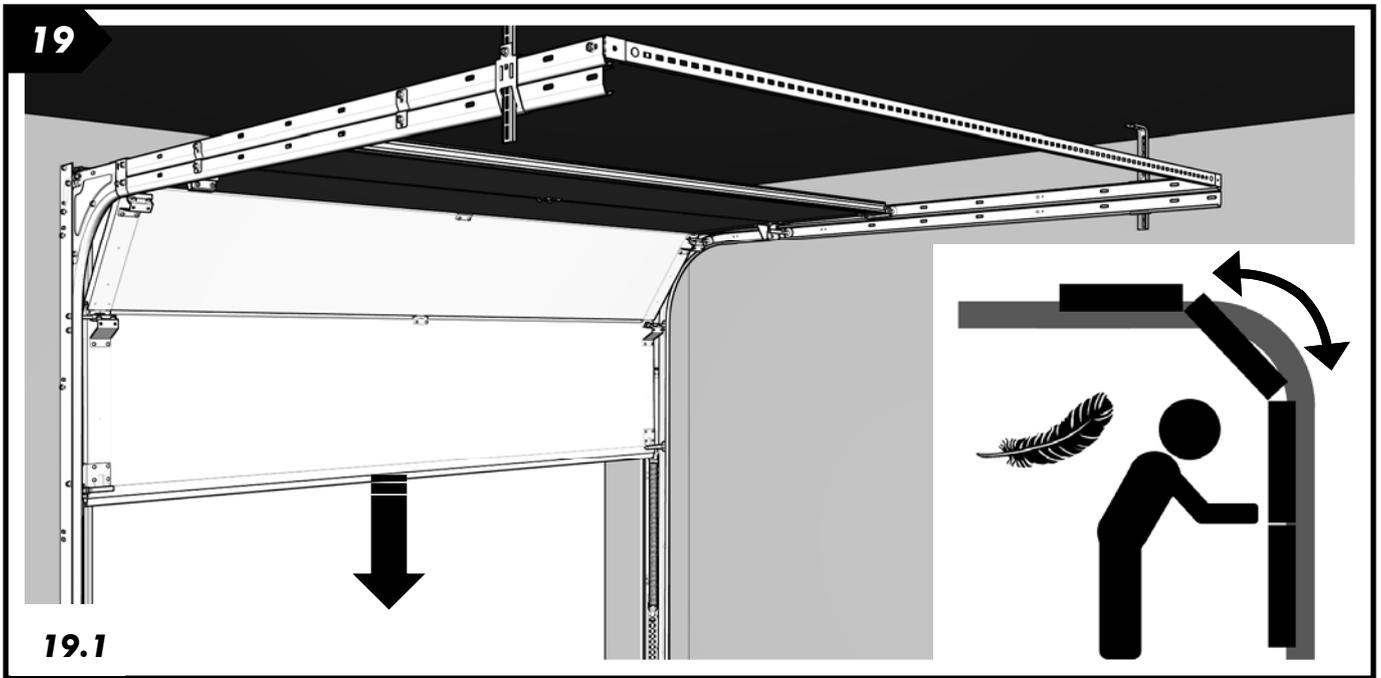
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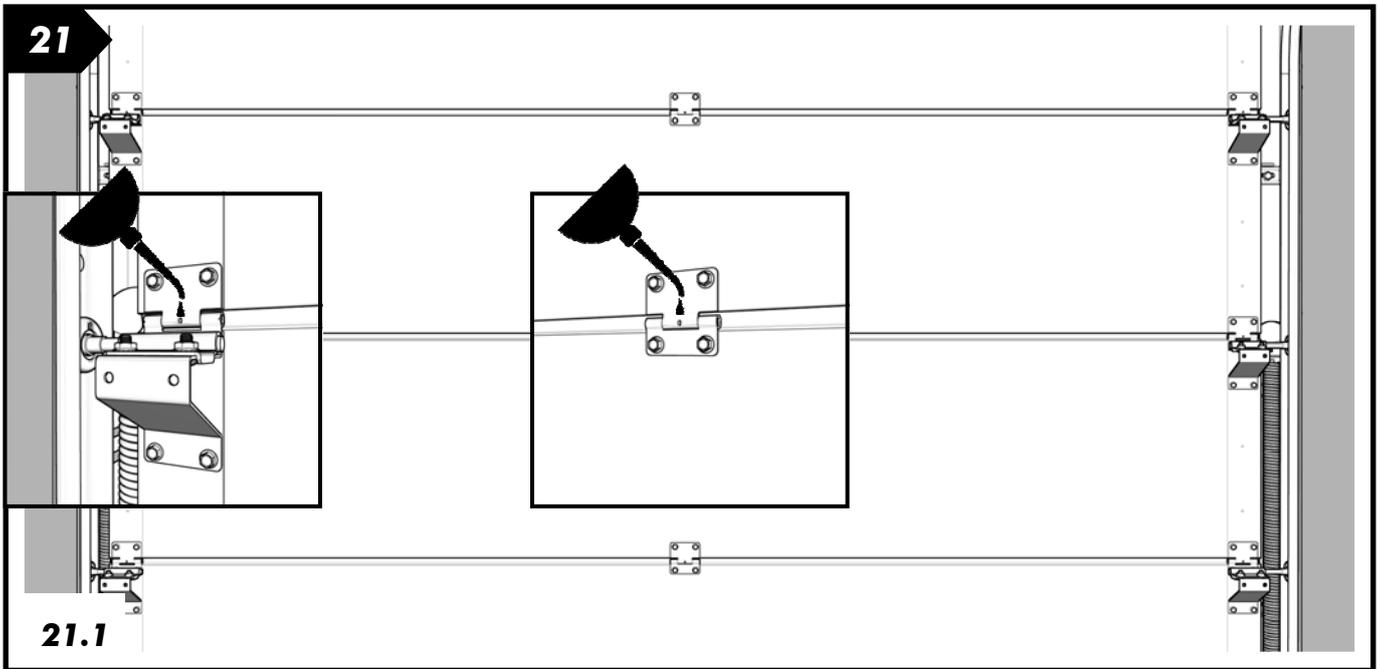


18.6

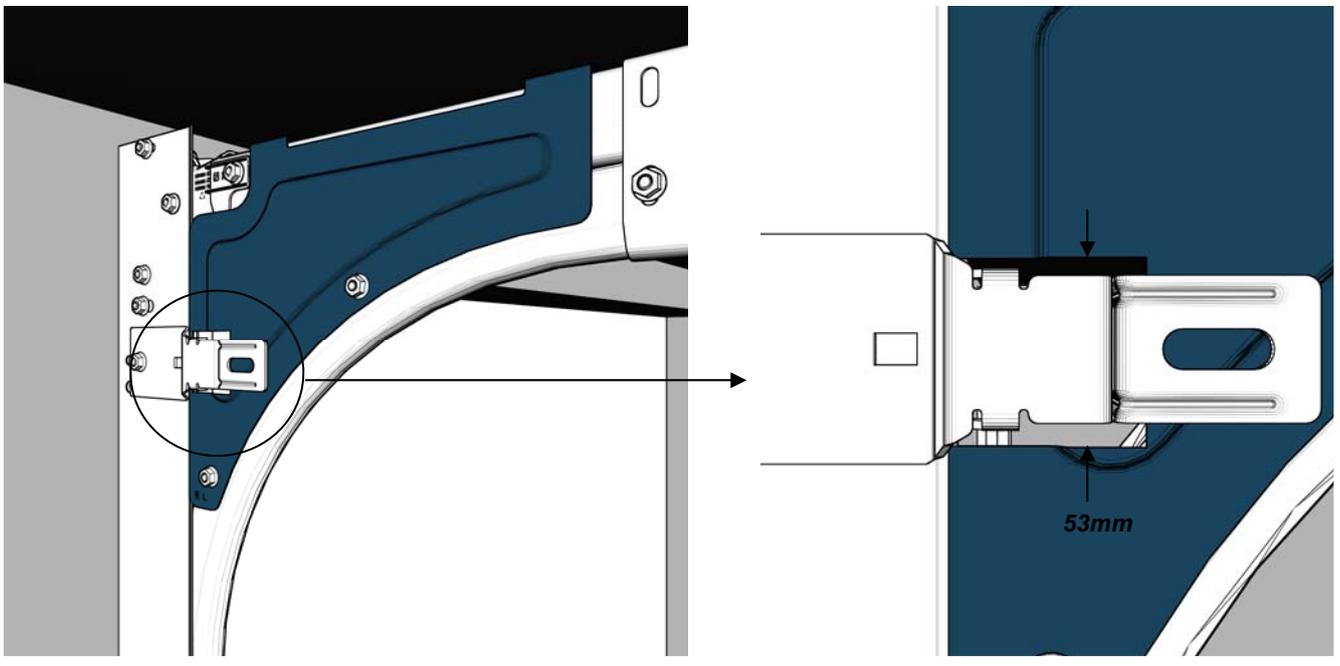
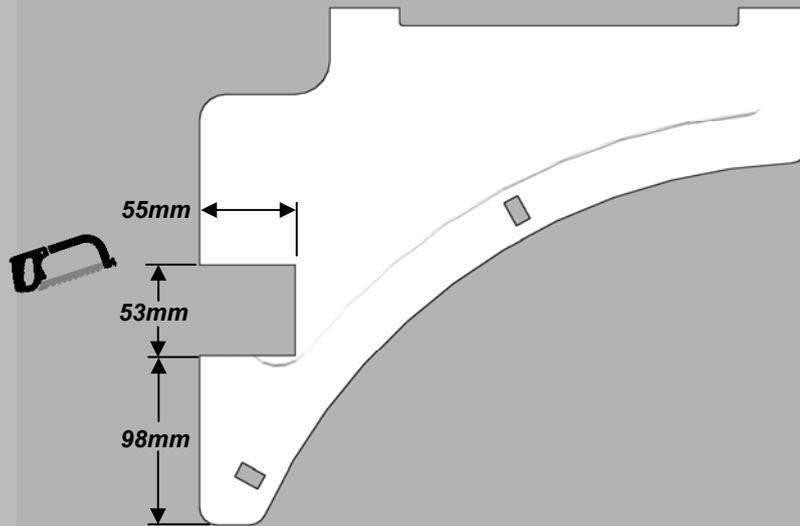


18.7





**RENO (ZERO SIDEROOM)**



# OPERATION

Read the User Manual supplied by manufacturer or door supplier before usage.

## Operating the door

### WARNING

#### Danger of injury during door travel

The sectional door closes to the bottom vertically; persons or objects may be trapped.

- When operating, make sure that neither persons, children in particular, nor objects are located within the door's area of travel.
- Always keep the opening area of the door clear.

The door must only be operated by **properly instructed** persons. If the sectional door is adequately assembled and inspected, it can be easily operated and moved.

### WARNING

#### Danger of injury due to improper operation

Persons or objects may be trapped if the door is operated improperly.

- Only open and close the door using the supplied operating elements; these ensure a controlled, smooth action.
- When closing the door, make sure that the latches engage fully and properly.

## Power operated doors

The automation of a sectional door requires that special safety regulations be observed. Consult your door operator supplier.

## PARTS EXPOSED TO WEAR AND TEAR TO BE REPLACED

**Mandated Test:** Durability test conducted at SP.

The worst case scenario was tested = MAX door weight of 120 kg.

The following parts listed below have to be replaced during the product's expected lifetime:

**After 25,000 cycles:**

- Springs
- Lifting cables

# MAINTENANCE INSTRUCTIONS

An overhead door should be maintained and checked regularly to ensure safe operation and use. In accordance with CEN product standard EN 13241-1

## WARNING

### Danger of injury due to high cable tension

Cables and springs are under high tension. Damaged cables or springs may also cause serious injuries.  
-Fix the door leaf to prevent uncontrolled movement before replacing damaged cables or springs.  
-Be particularly careful when replacing damaged cables or springs.

### Danger of injury due to uncontrolled door drops

If the system counterbalancing has not been properly adjusted, this may result in an uncontrolled door drop, which could trap persons or objects.  
-Re-tension the springs.

### High tension

Springs are under high tension stress and may discharge high forces if they are not secured during tensioning.  
-Fix the door leaf in safe way in fully open position before tensioning the springs.

### After installation:

- |  |                              |
|--|------------------------------|
| 1. Grease running part of the tracks   | Trained and qualified person |
| 2. Grease the bearings of the rollers  | Trained and qualified person |
| 3. Grease the shafts of the rollers  | Trained and qualified person |
| 4. Grease the hinge pins   | Trained and qualified person |
| 5. If the door leaf is protected by a protective foil, it must be removed no later than one month after installation | Trained and qualified person |
| 6. Clean the door  | Trained and qualified person |

### REGULAR MAINTENANCE

#### After 3 months:

- |  |                              |
|--|------------------------------|
| 1. Complete inspection visually                    | Trained and qualified person |
| 2. Check balancing system and adjust if needed     | Trained and qualified person |
| 3. Grease all the above mentioned points if needed | Trained and qualified person |

#### Every 6 months (or after every 750 cycles):

- |  |      |
|--|------|
| 1. Check side seals for damage or wear and tear            | User |
| 2. Check top seal for damage or wear and tear              | User |
| 3. Check bottom seal for damage or wear and tear           | User |
| 4. Grease all above mentioned points                       | User |
| 5. Clean the panels  | User |
| 6. Clean the windows (only water wash, do not use cloth)   | User |
| 7. Remove dirt and waste from the door or its surroundings | User |

**Every 12 months (or after every 1500 cycles):**

- |   |                              |
|---|------------------------------|
| 1. Check or test the fixation of the springs to the hook spring bracket | Trained and qualified person |
| 2. Check the balance of the door and adjust if needed                   | Trained and qualified person |
| 3. Check the cables for damage or wear and tear                         | Trained and qualified person |
| 4. Check the cable connection points on cable hook and bottom bracket   | Trained and qualified person |
| 5. Check the roller for wear and free moving space                      | Trained and qualified person |
| 6. Check the hinges on breaking   | Trained and qualified person |
| 7. Check the panels for damages, wear and rust                          | Trained and qualified person |
| 8. Check and test the safety edge system with operator                  | Trained and qualified person |
| 9. Check the manual operation of the door                               | Trained and qualified person |
| 10. Check the orientation of the moving pulley                          | Trained and qualified person |

**After two years (or after every 3000 cycles):**

- |   |                              |
|---|------------------------------|
| 1. Grease all the above mentioned points                                | Trained and qualified person |
| 2. Check or test the fixation of the springs to the hook spring bracket | Trained and qualified person |
| 2. Check the balance of the door and adjust if needed                   | Trained and qualified person |
| 3. Check the cables for damage or wear and tear                         | Trained and qualified person |
| 4. Check the cable connection points on cable hook and bottom bracket   | Trained and qualified person |
| 5. Check the roller for wear and free moving space                      | Trained and qualified person |
| 6. Check the hinges for breaking  | Trained and qualified person |
| 7. Check the panels for damage, wear and rust                           | Trained and qualified person |
| 8. Check and test the safety edge system with operator                  | Trained and qualified person |
| 9. Check the manual operation of the door                               | Trained and qualified person |
| 10. Check side seals for damage or wear and tear                        | Trained and qualified person |
| 11. Check top seal for damage or wear and tear                          | Trained and qualified person |
| 12. Check bottom seal for damage or wear and tear                       | Trained and qualified person |
| 13. Check the bottom bracket for wear and tear and damage               | Trained and qualified person |
| 14. Check the connections of the track system                           | Trained and qualified person |
| 15. Check the suspension of the door to the lintel and ceiling          | Trained and qualified person |

**Use for greasing:** PTFE or SAE20 or WD40

**Use for cleaning:** Soft soap with water. Do not use aggressive soap or cloth.

## DISMANTLING INSTRUCTIONS

Dismantling can only be performed by a qualified service providers and competent service technicians.

### MANUFACTURER:

**CANIMEX INC.** 285, Saint-Georges, Drummondville (Québec) Canada J2C 3H3  
 1-855-777-1335 | 1-819-477-1335 | [canimex.com](http://canimex.com) | [torqueforce@canimex.com](mailto:torqueforce@canimex.com)

