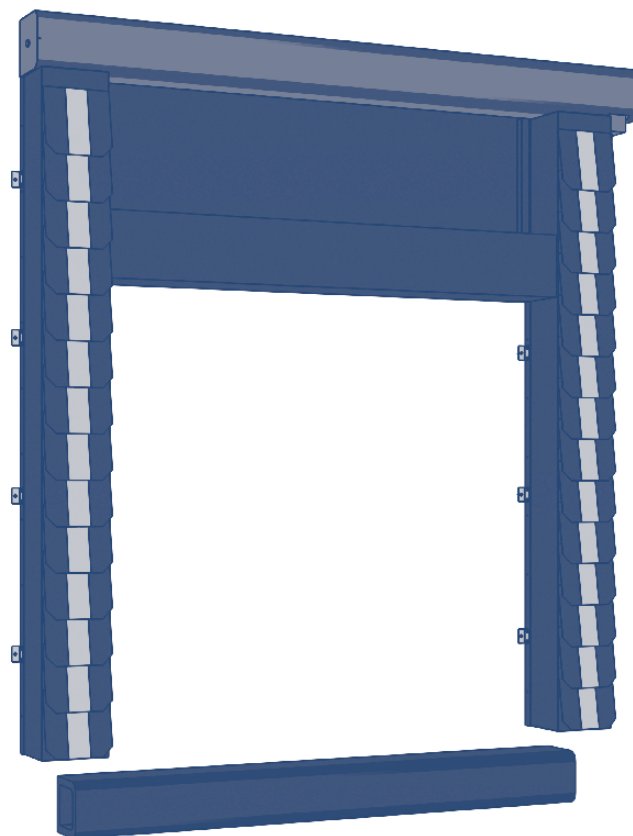


## **Adjustable Head Pad Dock Seal of DSHC1 Series**

Installation and Operation Manual

General Information	2
Design	2
Installation	3
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# 1. GENERAL INFORMATION

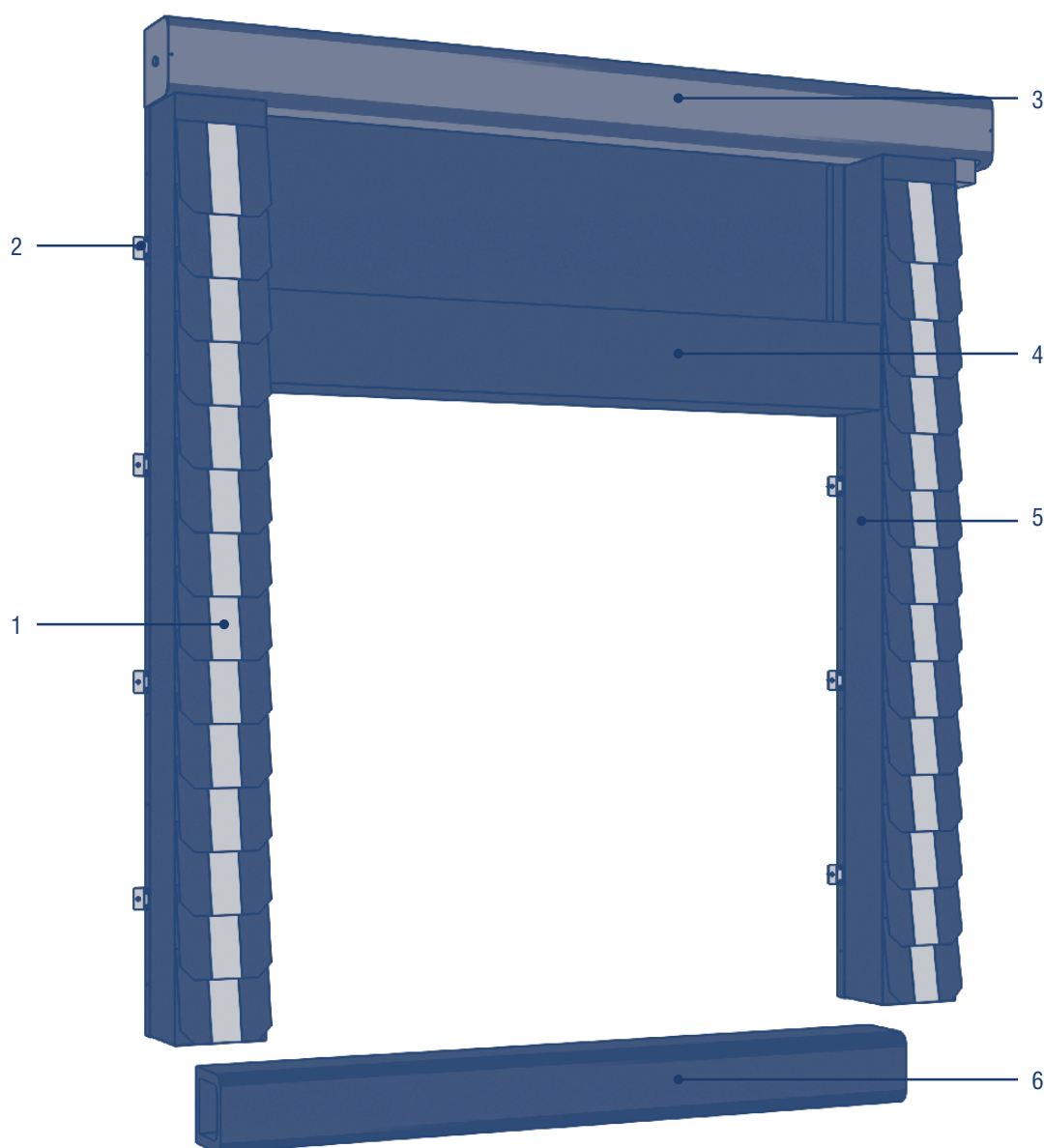
Dock seals and shelters are designed to ensure tight sealing between loading dock and vehicle bed. They provide protection from inclement weather, dirt, exhaust fumes and insect infiltration enabling a safe and comfortable working environment and preserving microclimate in warehouse premises.

DSHC1 dock seal is designed to provide the tightest possible sealing at docks that service trucks/trailers of varying

heights with hard bodies. Before loading/unloading operations lower the head pad so it is located in front of the trailer body upper part. Then the trailer (with open doors) backs into the dock seal and compresses the pads by about 50 mm thus forming a tight seal around three sides of the vehicle. High-strength, friction-resistant PVC fabric used as pads cover resist damage and wear. The dock seal assembly is mounted using the suspended method of installation.

## 2. DESIGN

Fig. 1. Design



- 1. Left side pad
- 2. Mounting angle
- 3. Head pad lifting/lowering mechanism

- 4. Adjustable head pad
- 5. Right side pad
- 6. Bumper

## 3. INSTALLATION

### 3.1. GENERAL RULES

Installation of dock shelter is restricted to authorized personnel trained at DoorHan training centre and having a corresponding certificate. Use of appropriate mounting tools is strictly required. The manufacturer does not directly control installation, operation and maintenance of the product and can not be held responsible for installation safety and quality. It is the mounting organization which is held responsible for quality of installation.

The contents of this manual can not be the basis for any kind of claim to DoorHan. The manufacturer reserves the right to make any changes to the product construction, structure, components and accessories without notice. Should any questions arise during product operation please refer to DoorHan dealer. Its address and phone number is provided in the sales contract.

### 3.2. SAFETY RULES WHEN WORKING AT HEIGHT

Work at height is work in any place located at height of 1,3 m from the ground level and carried out from ladders, scaffolds, platforms and other devices. The state of health of the personnel working at height shall meet the medical requirements established for these works.

When working at height always use a safety belt. If it's impossible to secure the belt to a building structure than use a safety rope instead. In such a case two installers should carry out all the works. Never use safety belts with

metal chain slings while working around energized wiring and equipment!

Tools and fittings should be properly secured to prevent their falling while working above energized electrical installations. To pass tools and fittings upwards an installer standing on the ground should hold a rope with tied instruments to prevent its swinging and approaching to energized electrical installations.

### 3.3. SAFETY RULES WHEN WORKING FROM LADDERS AND STEPLADDERS

Straight ladders and stepladders should be properly secured to prevent their lateral movement and overturn. Stabilize the base of the ladder using sharp-tipped feet for

the ground surface and anti-slip safety shoes for smooth surfaces like metal, tile or concrete.

#### ⚠ IT IS PROHIBITED TO:

- work from the rung located less than one meter from the ladder top;
- use power tools when working from a ladder;
- work from the two top rungs of a stepladder which has no safety hand rails or ladder stop;
- be on the steps of a ladders or stepladder for more than one person;
- stand under the ladder which is used for work;
- leave tools or materials on top of any ladder.

### 3.4. SAFETY RULES WHEN OPERATING POWER TOOLS

Only qualified and specially trained personnel acquainted with electrical safety instructions can operate power tools. It is recommended to use power tools operating at voltage not exceeding 380/220 V. Choose power tool taking into consideration electric shock hazard of the premise. Ground metal housing of electric tool operating at voltages above 42 V AC and above 110 V DC when working in hazardous areas and outdoor installations. Tool connection plug should have a ground contact. Plug power tools only in the grounded power supply network. When using extension cords make sure they have grounded plugs and sockets. Always wear protective rubber gloves or rubber bottom shoes or sneakers when using electric instruments. Protective devices must be tested in accordance with the procedure established by law.

Prior to operation:

- verify all the components are in place and properly secured;

- check for worn out cable (wire), its protective tube and plug; damaged insulating parts of the housing, handle and brush holder covers; absent or damaged protective casings;
- make sure ground circuit between the housing and the ground contact of the plug is whole;
- ensure the main switch works properly;
- check operation of power tools at idle.

Use only properly functioning, checked and sealed tools. Never bend or twist electric cables or position any trailing wires where different structures and materials are stored or vehicles move. When working in rainy weather (snow-fall) protect with canopies the area where cables are laid or power tools are used.

**⚠ IT IS PROHIBITED TO:**

- hold the instrument by its cord;
- remove chips or sawdust from the cutting tool and replace the cutting tool until it stops completely. Use corresponding instruments to fasten the replaceable tool;
- plug the power tool in a circuit with characteristics which do not correspond to the specified in data sheet;
- move an electric tool with operating motor from one working place to another;
- leave unattended a plugged-in or operating electric instrument;
- leave electric instrument unattended to prevent its unauthorized use.

### 3.5. SAFETY RULES AT ELECTRICAL INSTALLATION WORKS

Carry out electrical installation works in accordance with «Safety rules for electrical installations» and «Safety regulations for the operation of consumer electrical installations».

### 3.6. TOOLS

Fig. 1. Water level

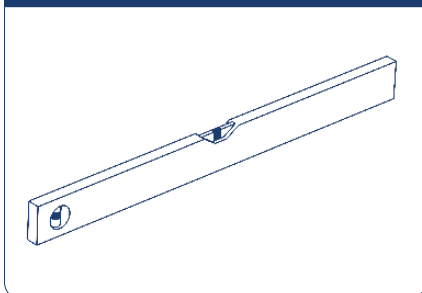


Fig. 2. Measuring tape

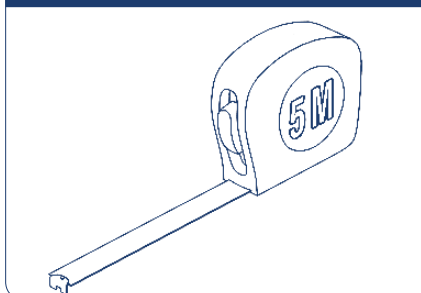


Fig. 3. Pencil

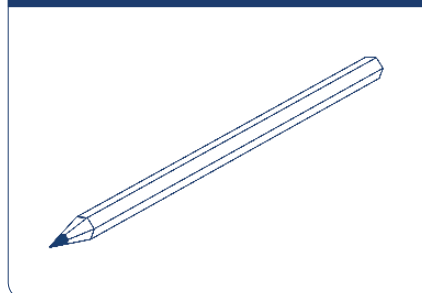


Fig. 4. Drill bit set

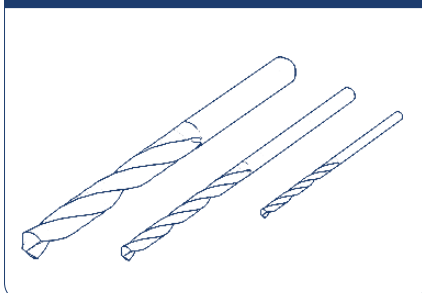


Fig. 5. Screwdriver set

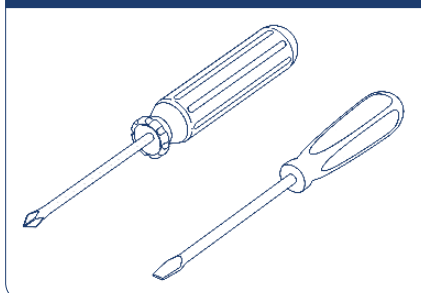


Fig. 6. Set of hex bits

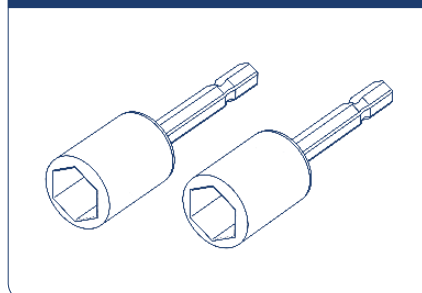


Fig. 7. Wrench set

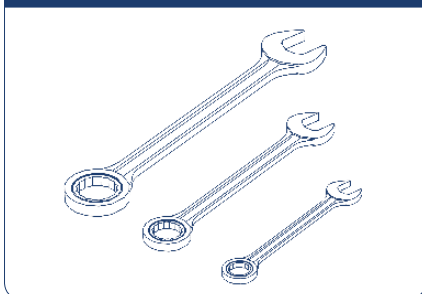


Fig. 8. Drill screwdriver

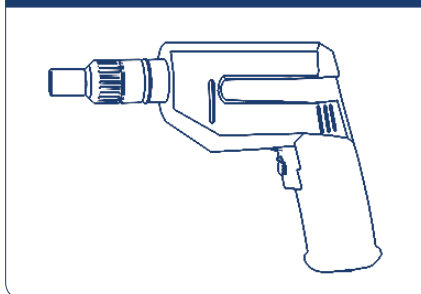


Fig. 9. Stepladder

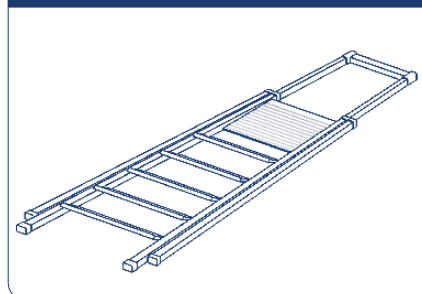


Fig. 10. Safety glasses

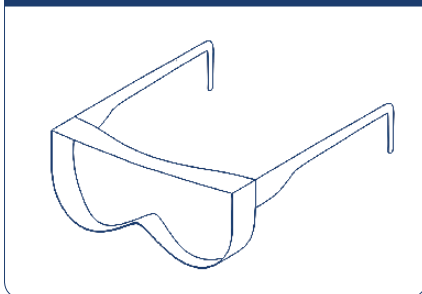
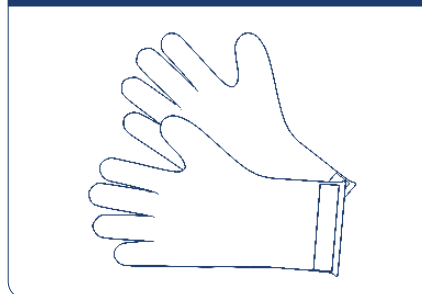


Fig. 11. Hard hat



Fig. 12. Gloves



### 3.7. PACKAGE INVENTORY

Fig. 1

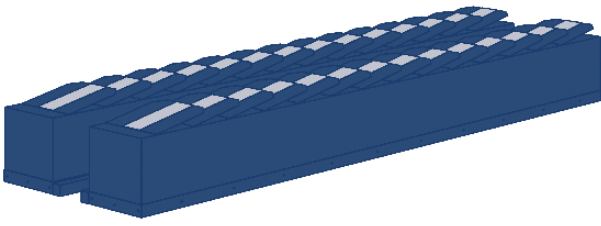


Fig. 2

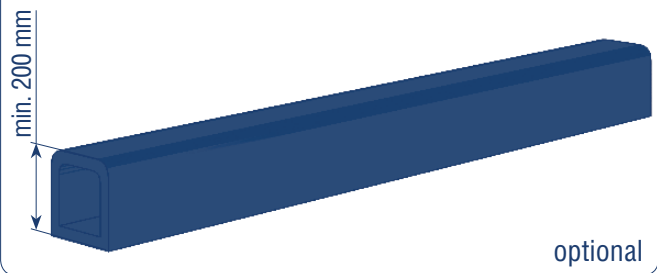


Fig. 3



Fig. 4

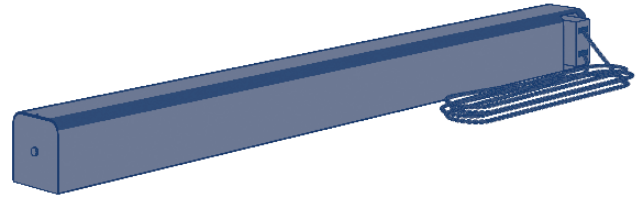


Fig. 5

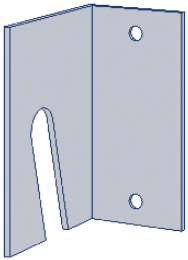


Fig. 6

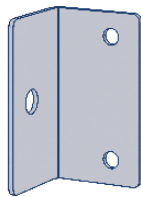


Fig. 7

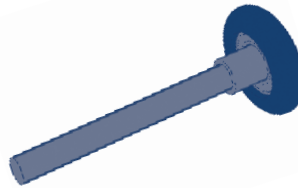
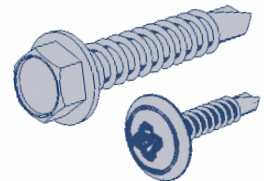


Fig. 8



### 3.8. INSTALLATION

Fig. 1

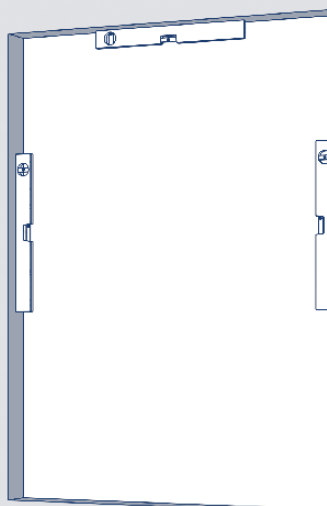


Fig. 2

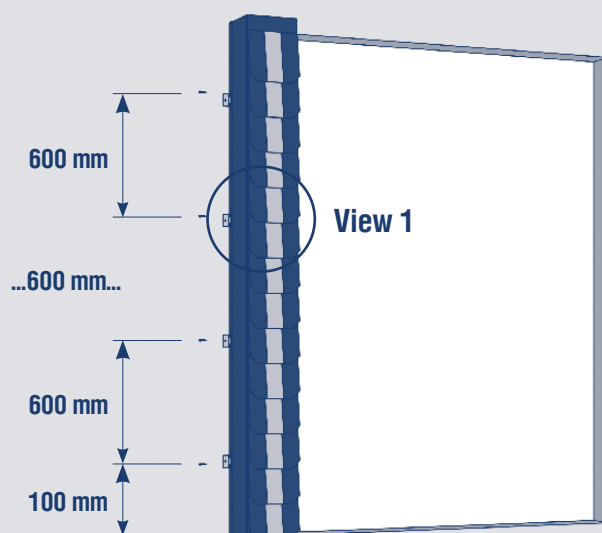


Fig. 2a. View 1

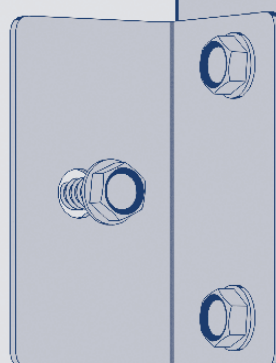




Fig. 3

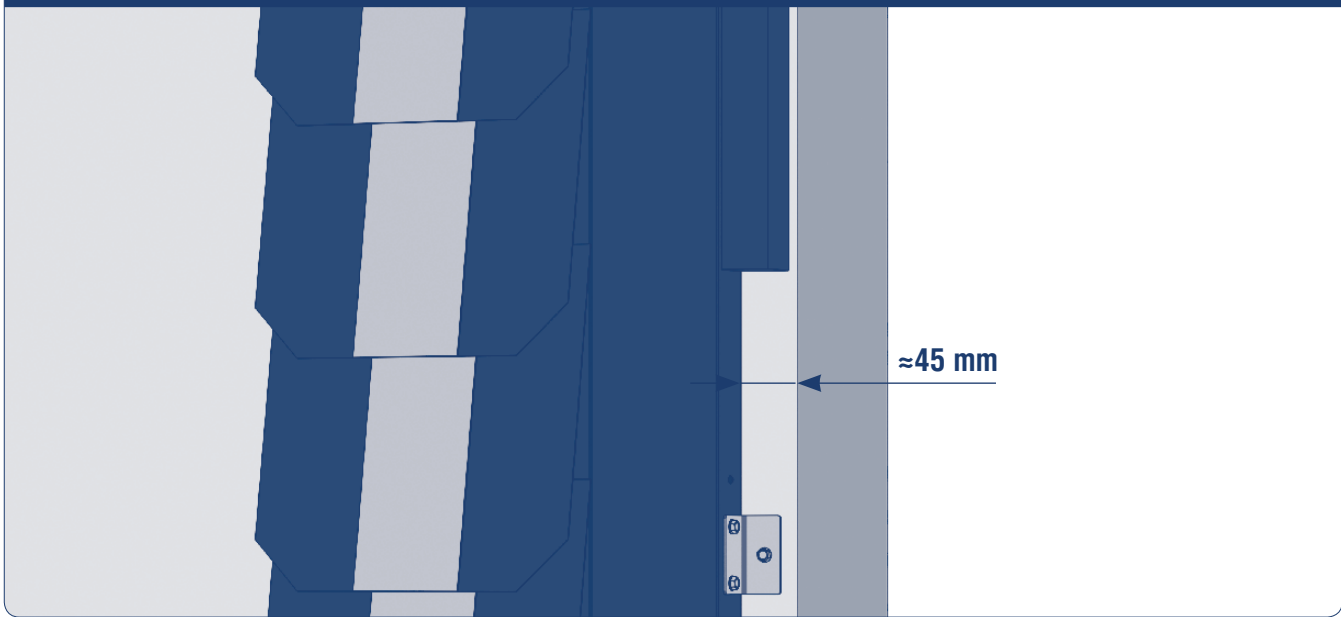


Fig. 4

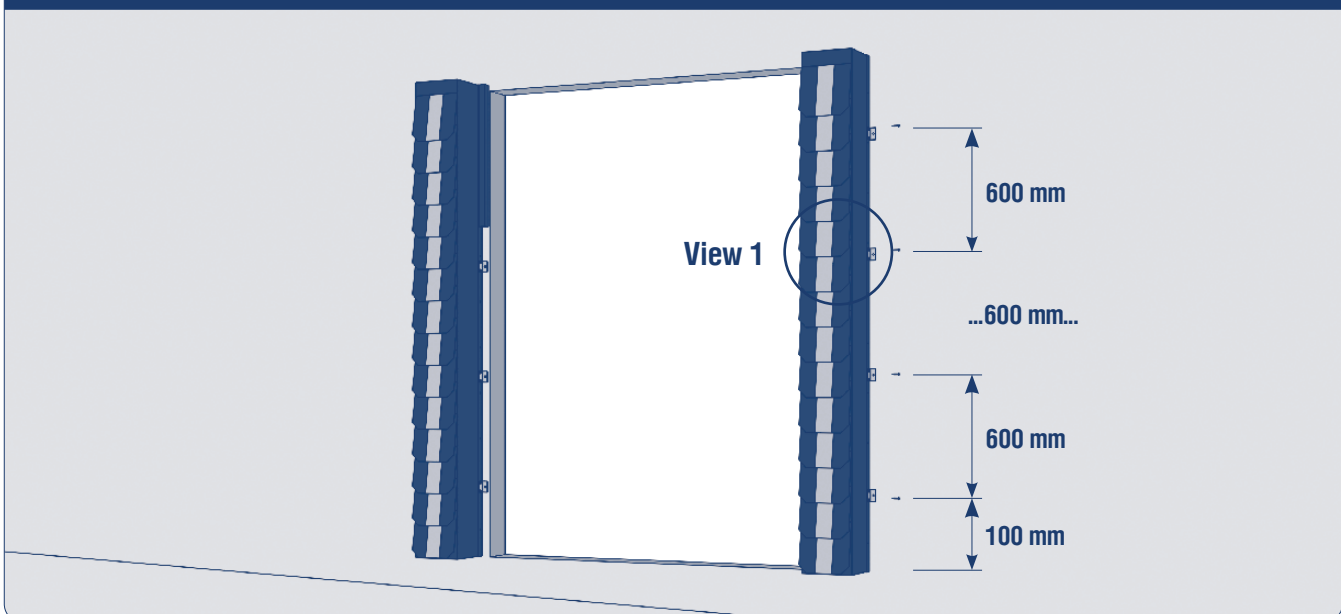


Fig. 4a. View 1

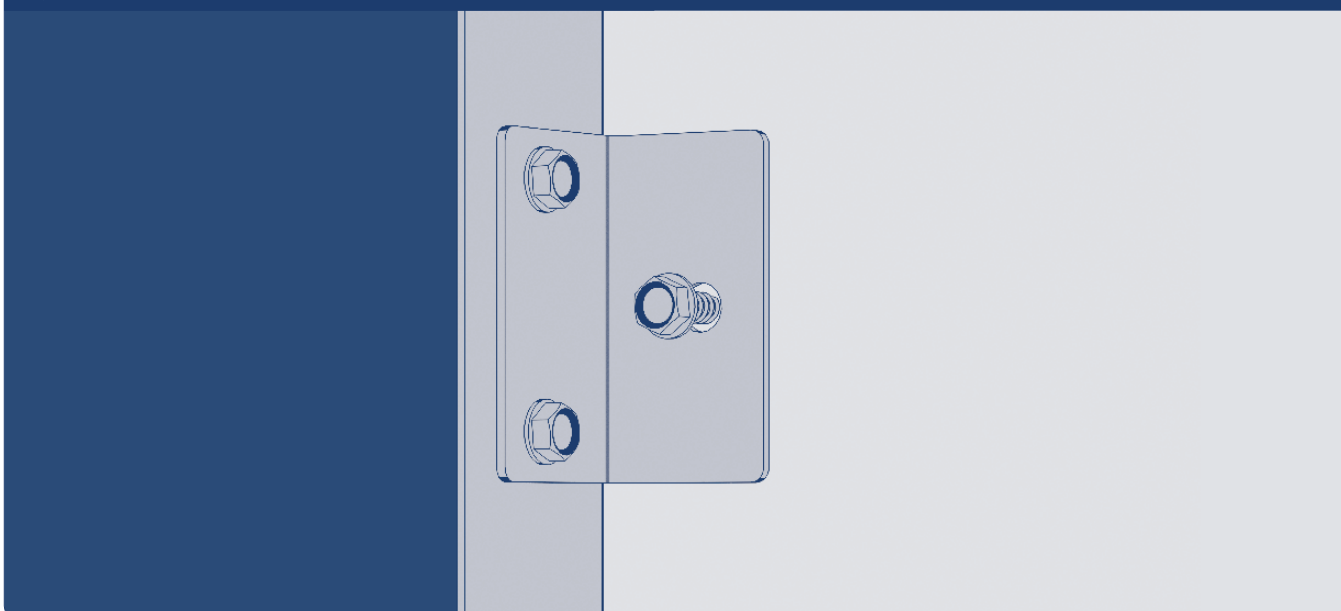


Fig. 5

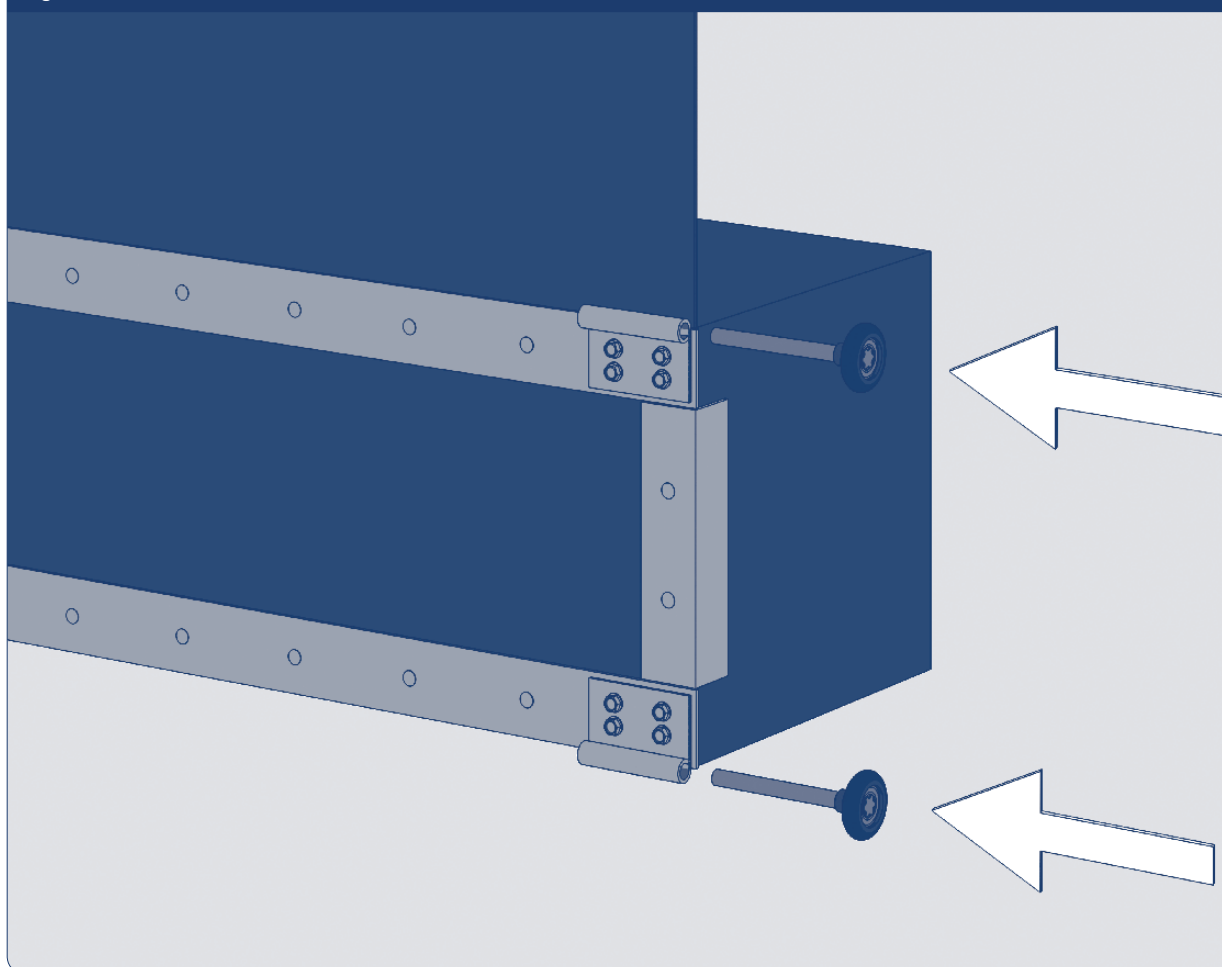


Fig. 6

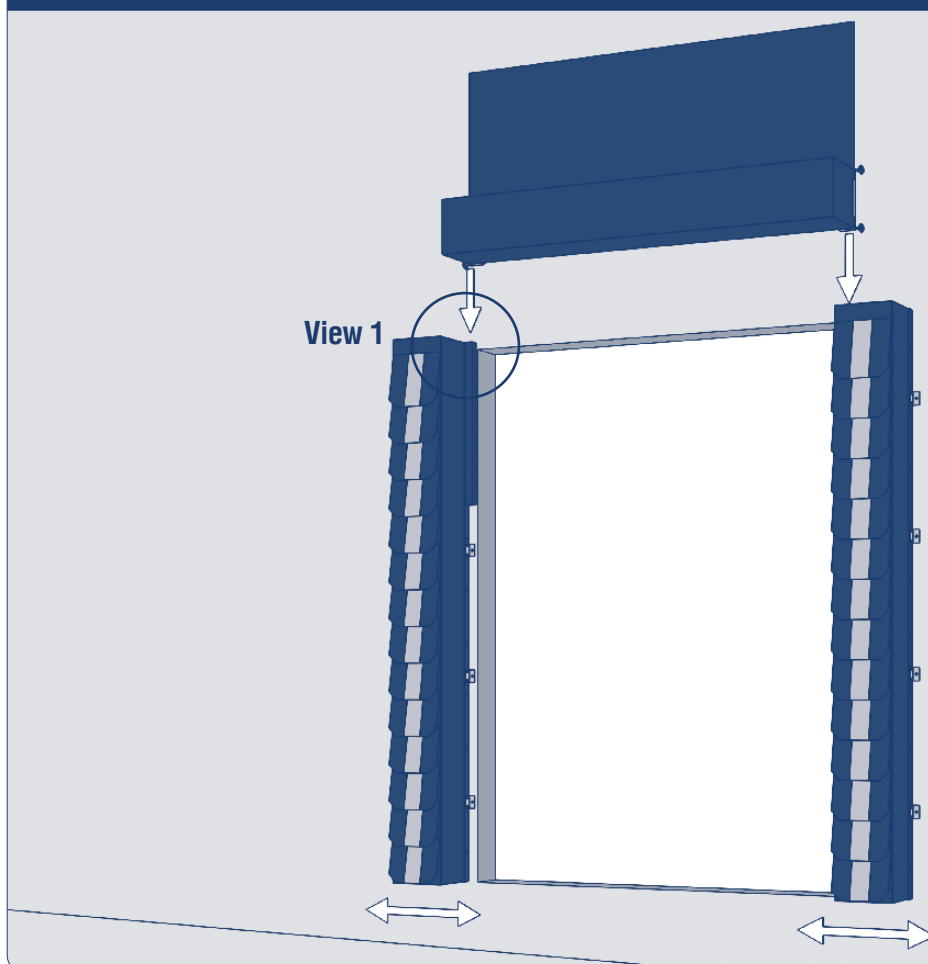




Fig. 6a. View 1

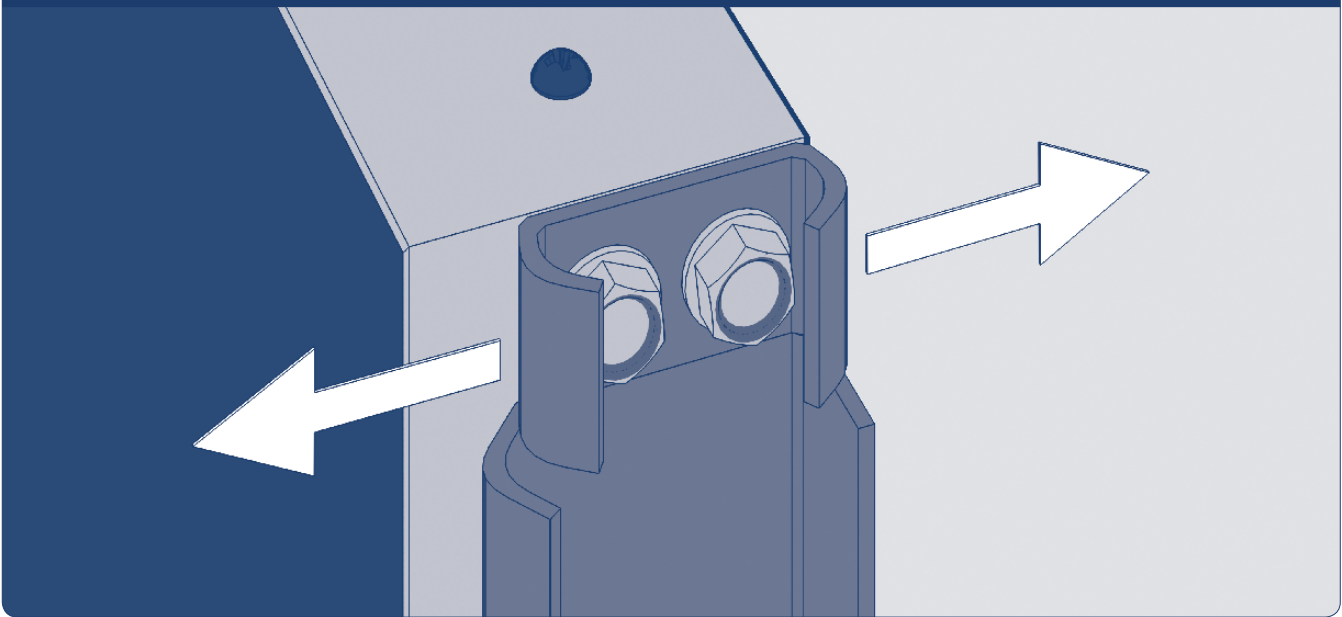


Fig. 6b. View 1

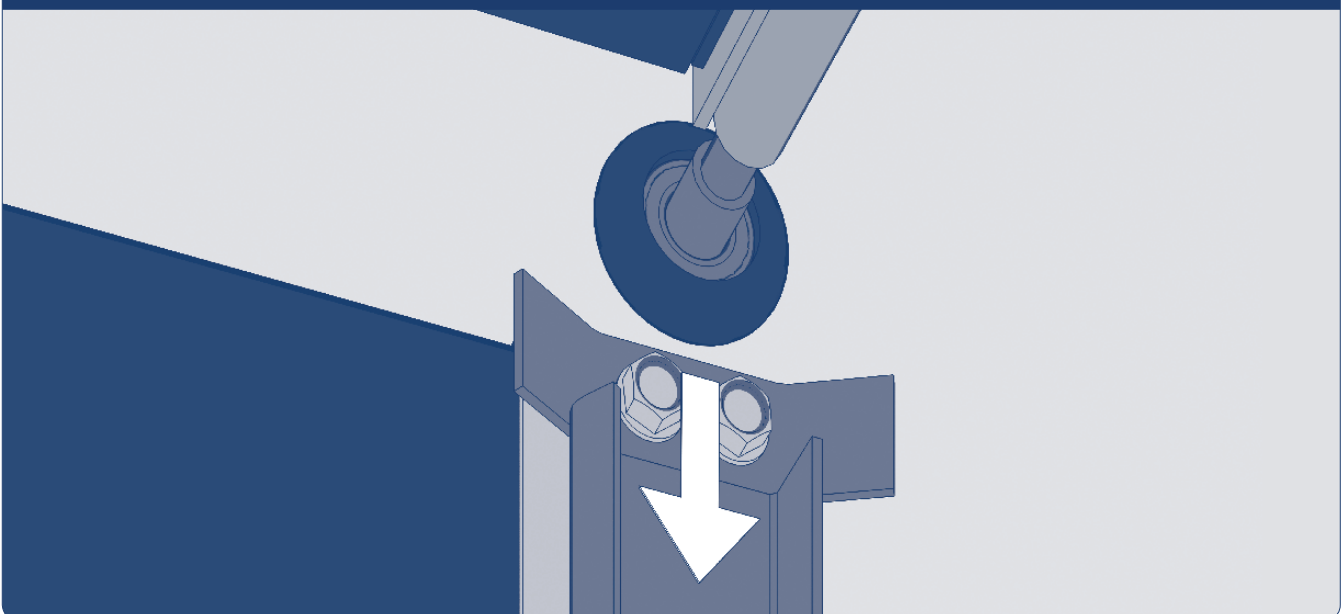


Fig. 6c. View 1

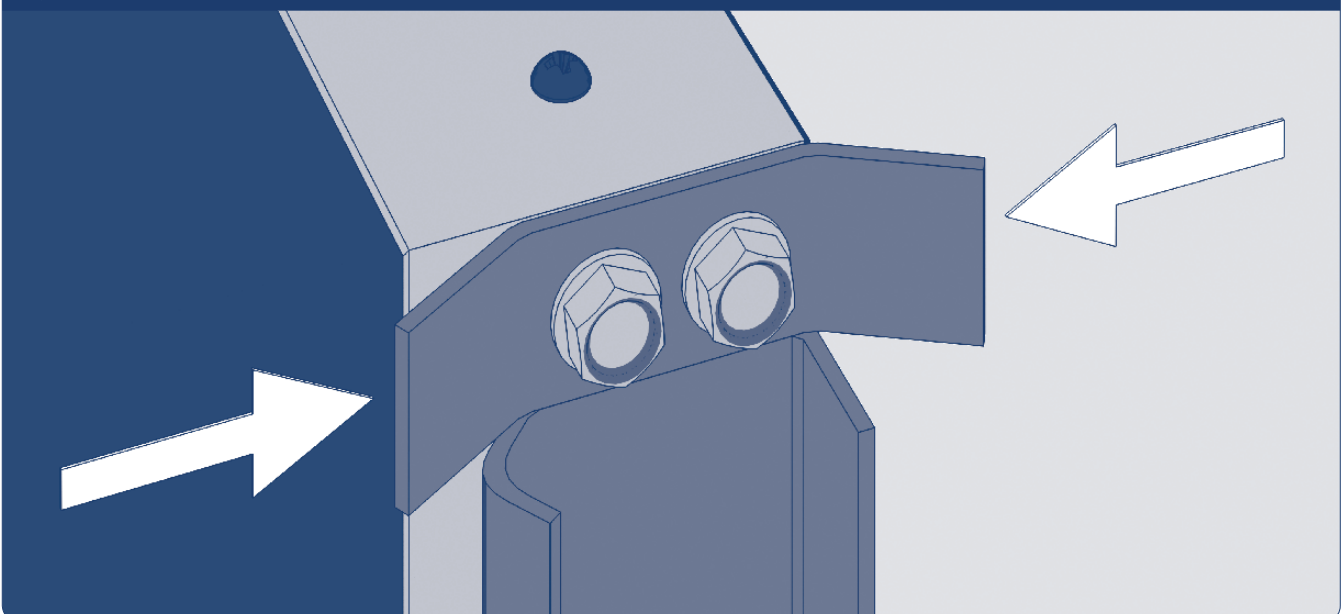


Fig. 7

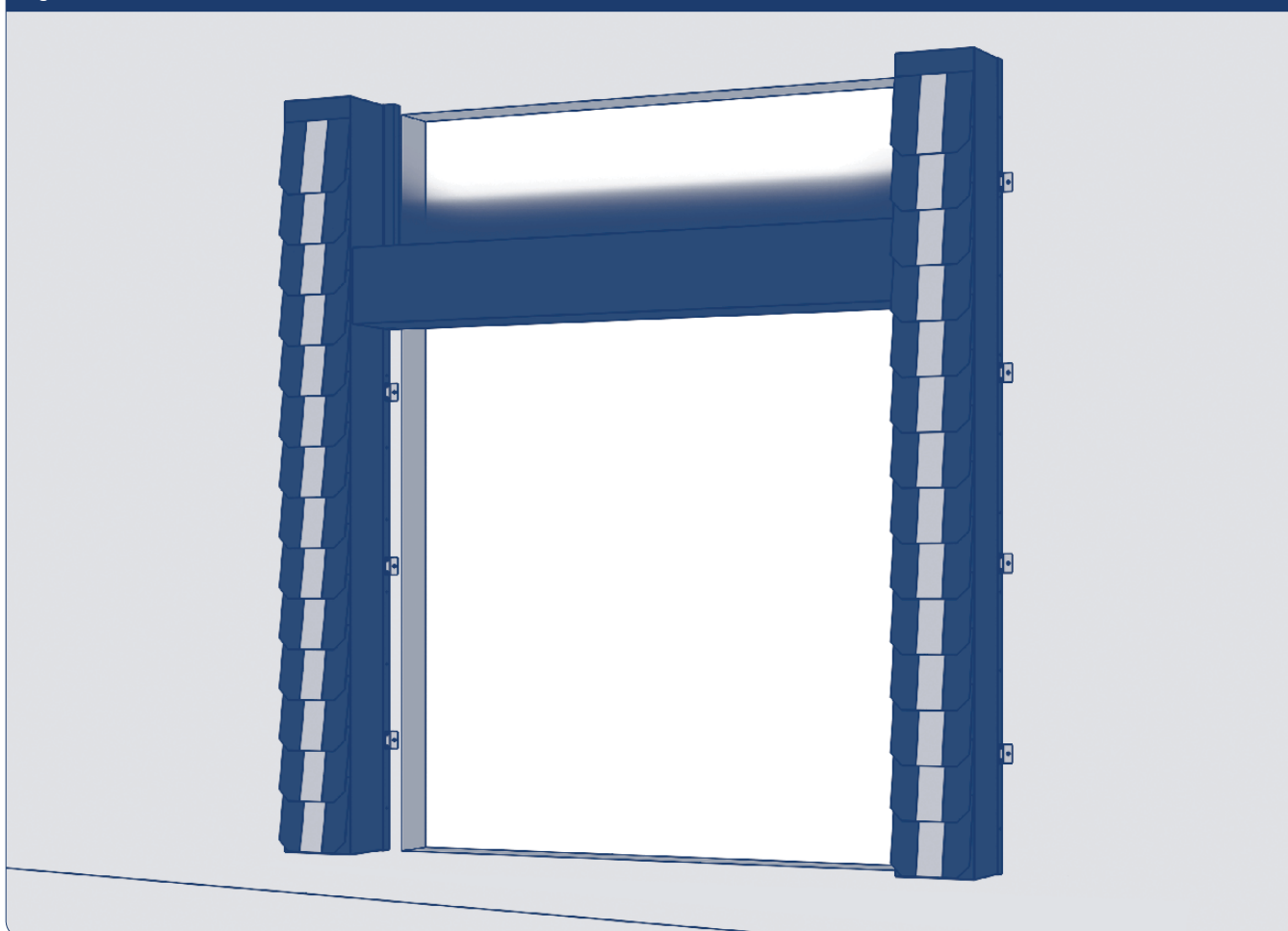


Fig. 8

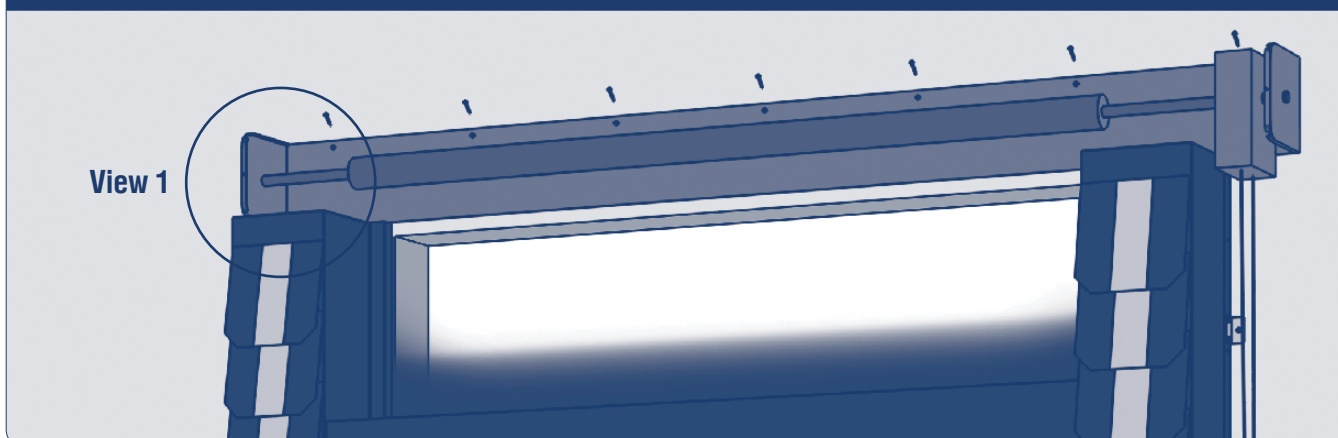


Fig. 8a. View 1



Fig. 8b. View 1



Fig. 8c. View 1



Fig. 9

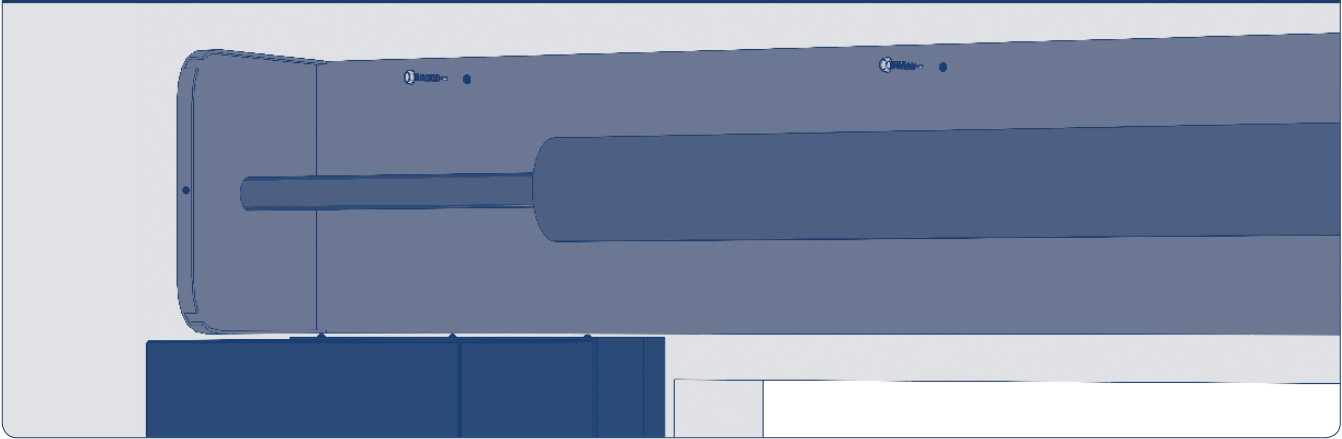


Fig. 10

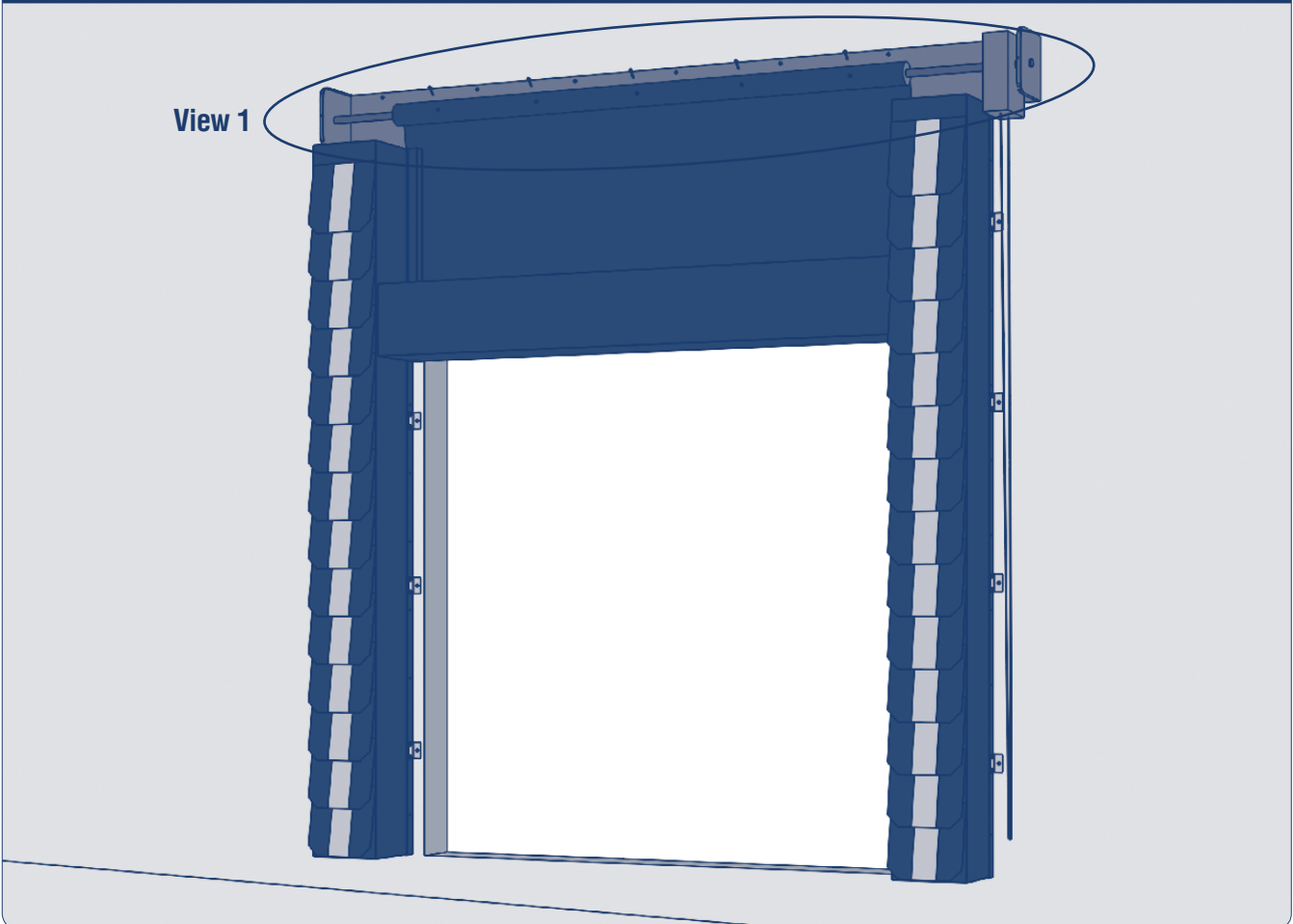


Fig. 10a. View 1

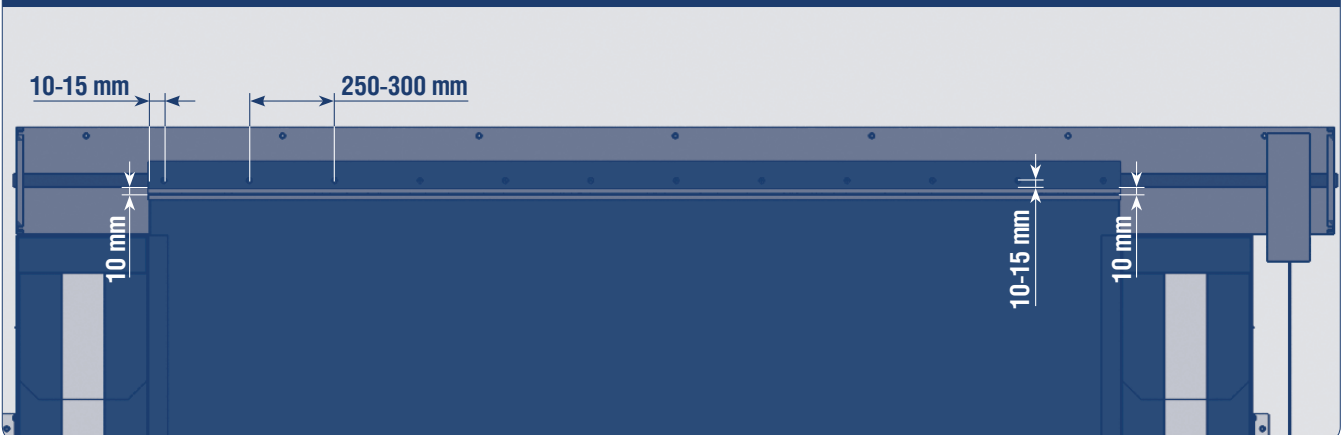


Fig. 11a



Fig. 11b



Fig. 12

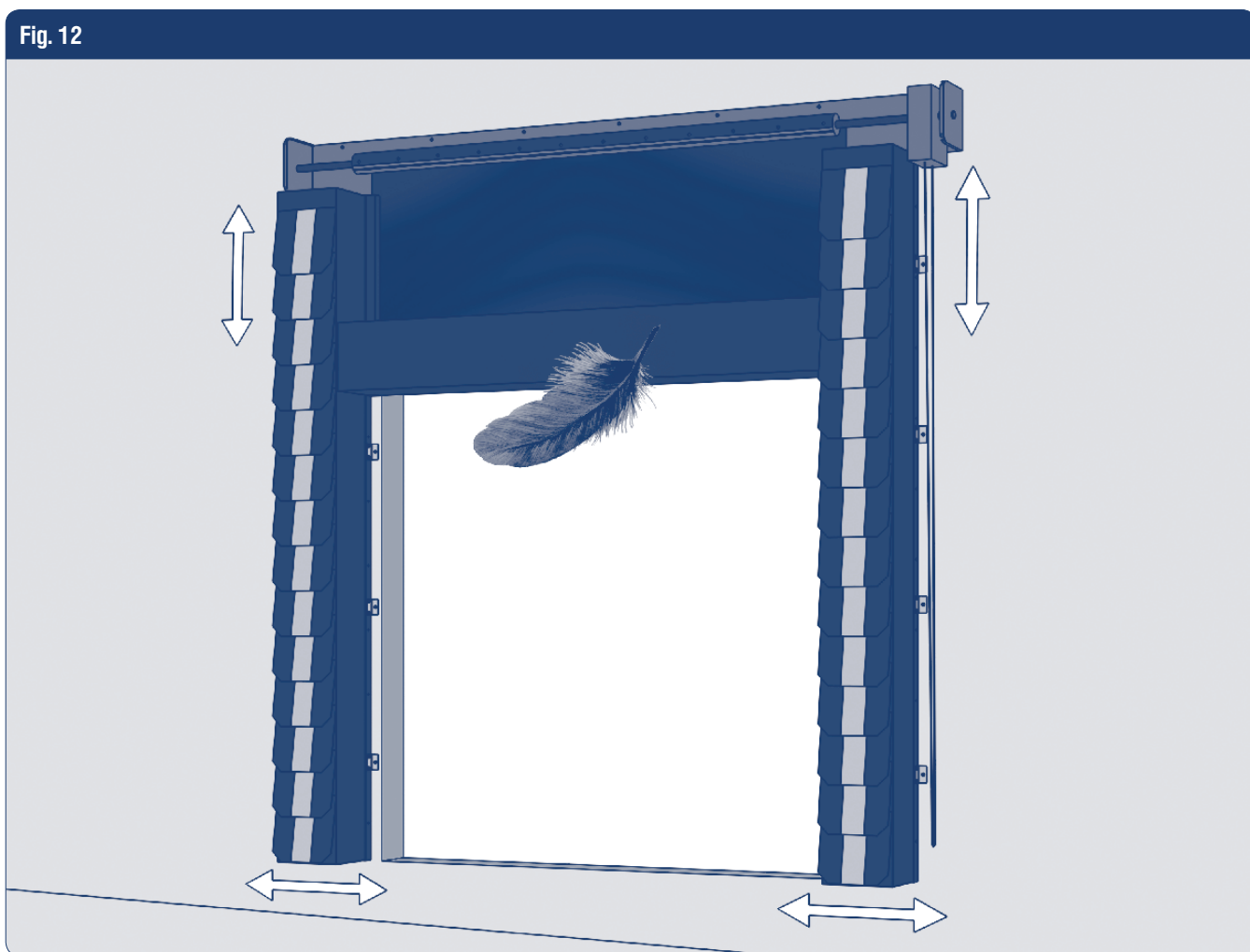


Fig. 13a

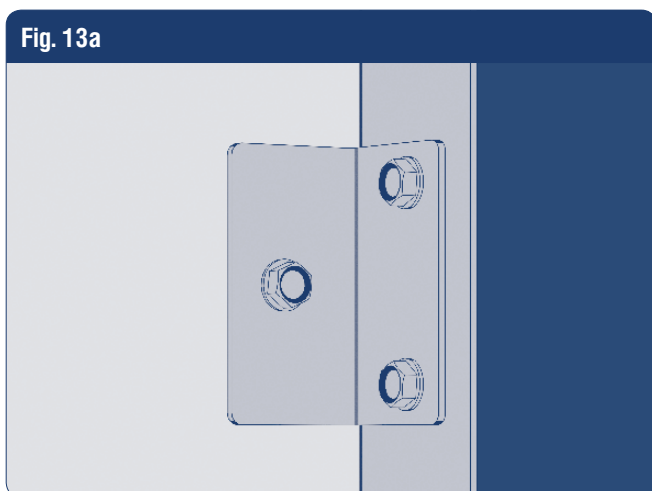


Fig. 13b

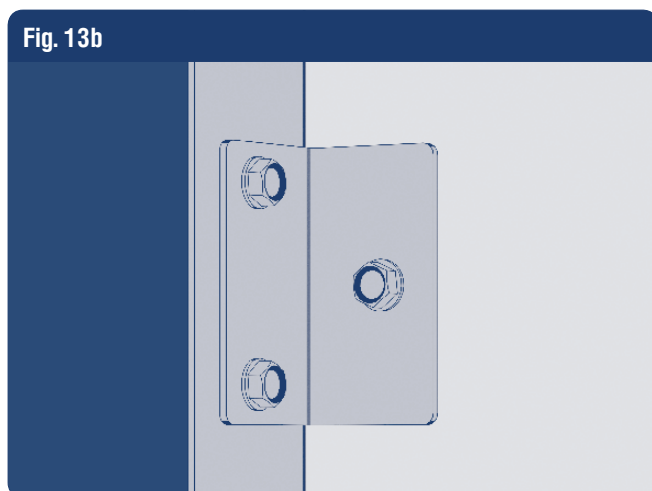




Fig. 14

View 1



Fig. 14a. View 1



Fig. 15

View 1

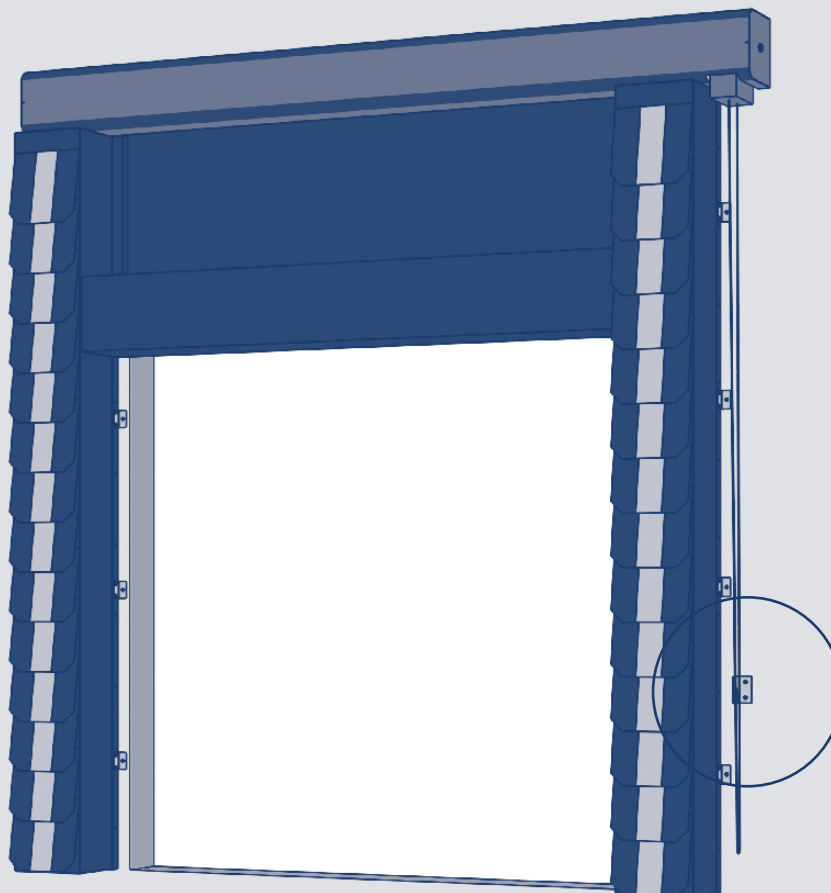


Fig. 15a. View 1

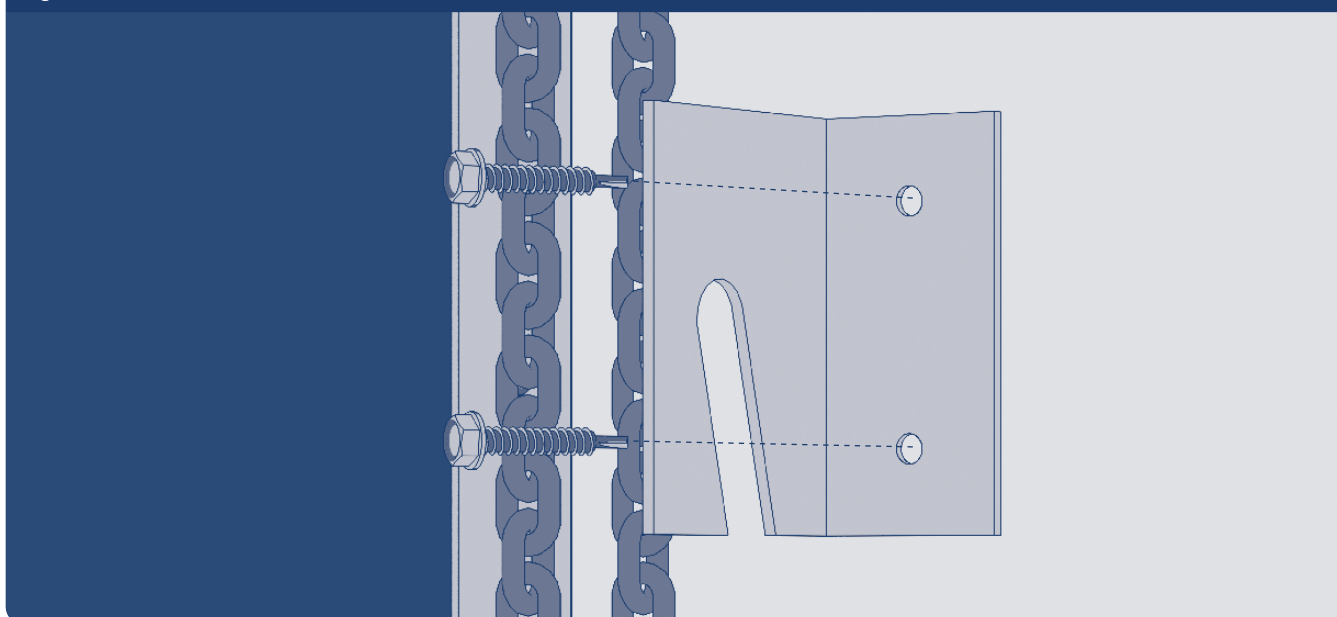


Fig. 16a

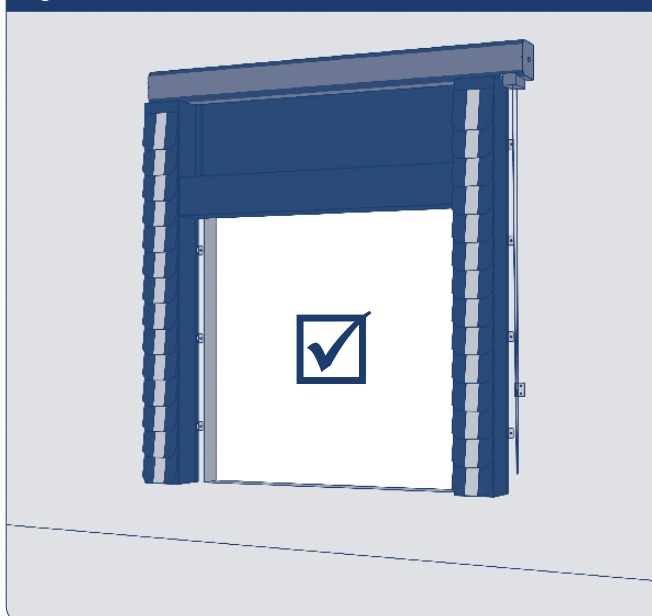


Fig. 16b

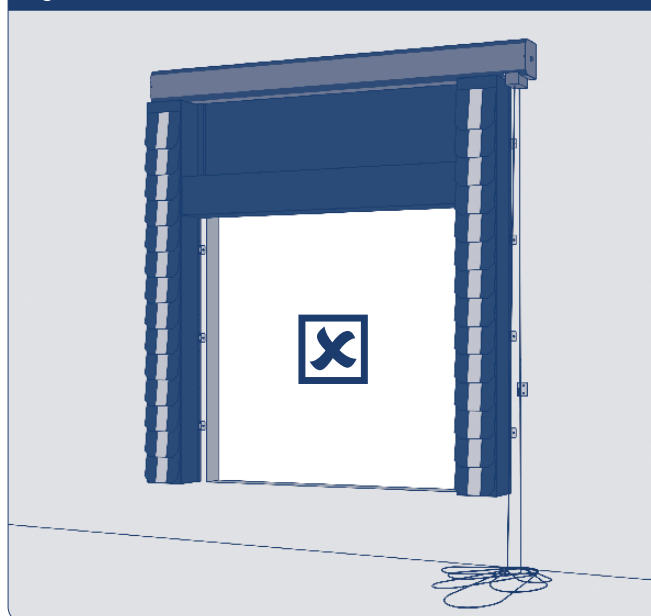


Fig. 17

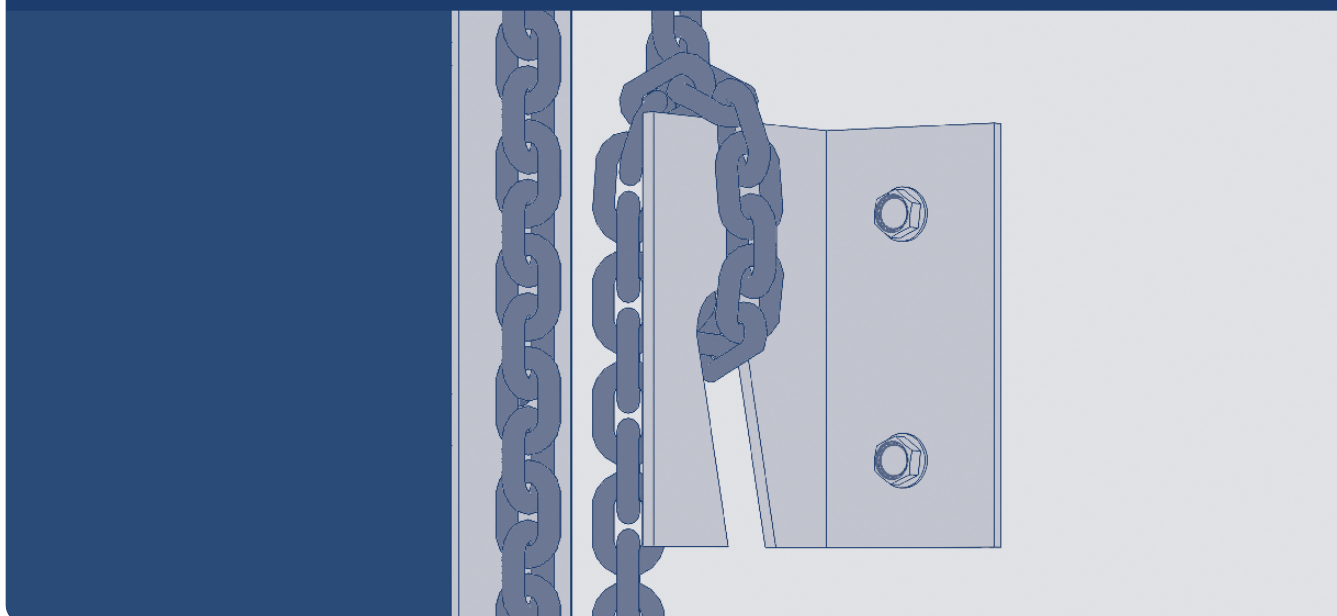
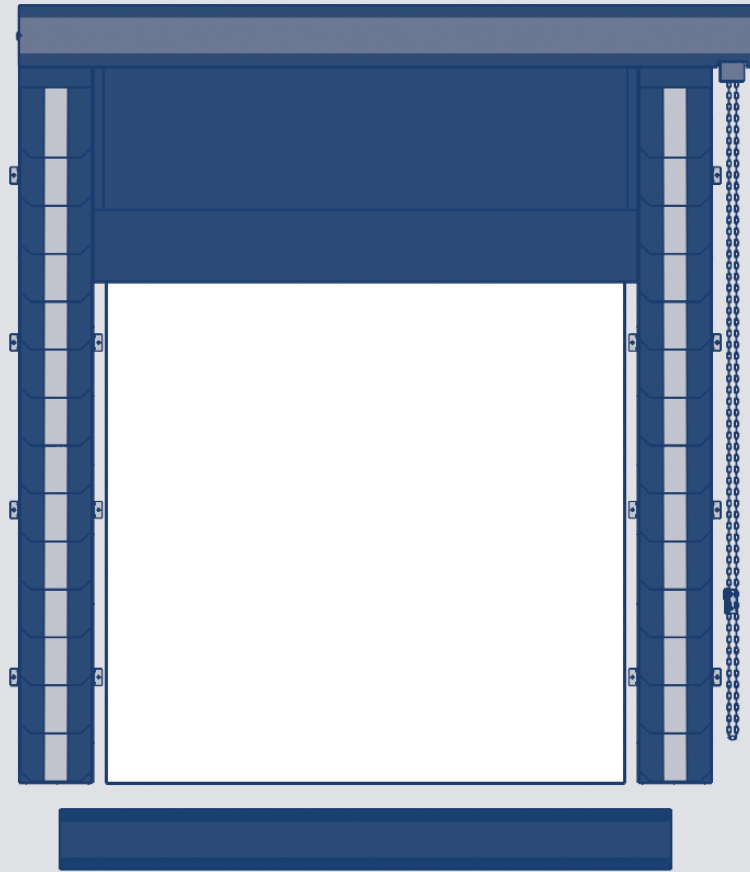




Fig. 18



## 4. OPERATION

1. Only qualified personnel acquainted with the design and construction of the shelter should handle it.
2. Prior to operation carefully inspect the dock shelter. Never use it in case any damage is found.
3. Position the trailer in the middle of the dock shelter aligning with the white guide stripes.
4. Lower the adjustable head pad so it is located in front of the upper part of the truck/trailer body.
5. Back the truck/trailer slowly till its body contacts with the dock seal pads and compresses them by about 50 mm.
6. Make sure the truck is stationary, the hand brake is put on, the wheels are chocked.

### ⚠ WARNING!

- To prevent dock shelter damage truck size should correspond to shelter type and dimensions.
- In winter remove excess snow buildup and icing from on top of the shelter.

Operating temperature range is -35...+50 °C.

***DOORHAN®***

We very much appreciate that you have chosen the product manufactured by our company and believe that you will be satisfied with its quality.

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