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Technical facts

1.1 Features

Sizes: - nominal height	3755, 4055, 4355, 4555 mm
Sizes - free height	3300, 3600, 3900, 4100 mm
Sizes - nominal width	3600 mm
Sizes - nominal depth	770, 1020 mm
Sizes - top bag extension	1000, 1300 mm
Sizes - side bag extension	650 mm
Standard colour	RAL 9010 outside / RAL 7032 inside
Control unit	Switch control

1.2 Performance

Walls	Insulated panel 40 mm Outside white RAL 9010 Inside white RAL 7032 Intermediate walls with multiple module double sided grey RAL 7032
Roof	Insulated panel 40 mm Outside white RAL 9010 Inside grey RAL 7032
Cover plate roof / wall	White RAL 9010
Front plate	Steel sheet painted white RAL 9010 with reinforcement angle
Surface treatment	Hot galvanised and painted with polyester paint, which corresponds to environmental class 3
Front protection	Yellow polyethene plastic
Fabric quality	Top curtain: PVC coated polyester fabric 650 g/m ² , thickness 0,6 mm Side bag: PVC coated polyester fabric 680 g/m ² , thickness 3 mm Option wear shield: PVC coated polyester fabric 3400 g/m ² , thickness 3 mm
Fan	230 V, 1-phase, 50 Hz, 250 W Noise niveau: 65 dBA in working position
Operating	Switch control included. Other controls available as option
Temperature range	-30° to +60°

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2. Description

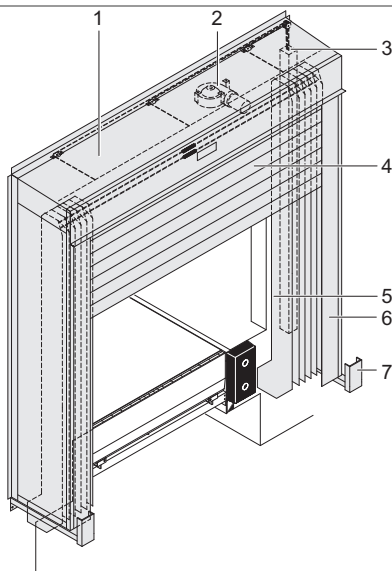
2.1 Application

The handling of cooled or frozen food put high demands on the temperature chain. The Crawford 670 inflatable shelter SIB provides the optimal sealing of temperature controlled premises during the loading and unloading process. Contrary to other types of dock shelters, the vehicle does not push towards the shelter. Instead, the shelter is air inflated around the docked vehicle, providing complete sealing. The Crawford 670 inflatable shelter SIB is suitable for all vehicle sizes and its sealing capacity exceeds by far the standard normally required by the operators.

2.2 Mode of operation

The vehicle does not push towards the shelter. Instead the shelter is inflated around the docked vehicle, providing best possible sealing. During loading/unloading the vehicle moves up and down and the bags of the Crawford 670 inflatable shelter SIB automatically follows these movements, with constant pressure on the vehicle structure. In rest position the bags are held in place mechanically.

2.3 Overview



- 1 Insulated panels
- 2 Blower
- 3 Counter balance
- 4 Top bag
- 5 Side bag
- 6 Curtain strips
- 7 Steel guard

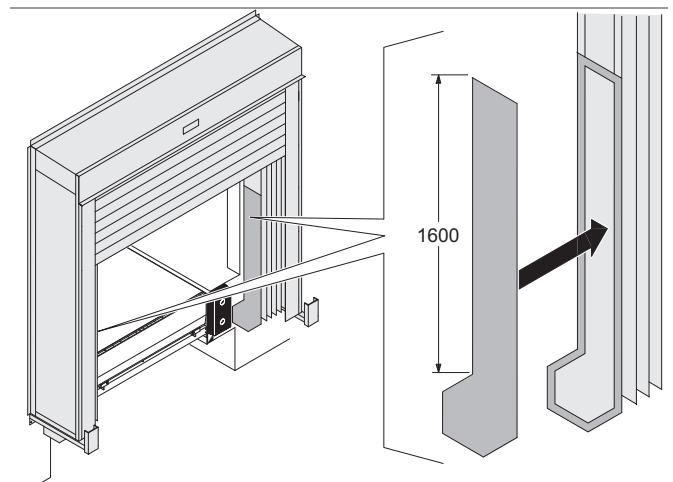
2.4 Standard

Nominal height	3755, 4055, 4355, 4655 mm	
Free height	3300, 3600, 3900, 4100 mm	
Nominal width	3600 mm	
Nominal depth	770 mm	
Top bag extension	1000 mm	
Side bag extension	650 mm	
Insulated panel	40 mm	
Operating	Switch control	
Standard colour	Insulated panel	RAL 9010 outside RAL 7032 inside RAL 9010
	Front plate	
Steel guard	only for SIB	
Dock shelter is prepared for installation to wall or Load House.		

2.5 Options

Nominal depth	1020 mm with steel guard
Top bag extension	1300 mm
Front plate	Digit on front plate
Side bags	Wear shields
Colour	Insulated panel in special RAL colour outside Front plate in special RAL colour
Wall fixings	Concrete, sandwich, insulated panel, light concrete, cavity, Load House

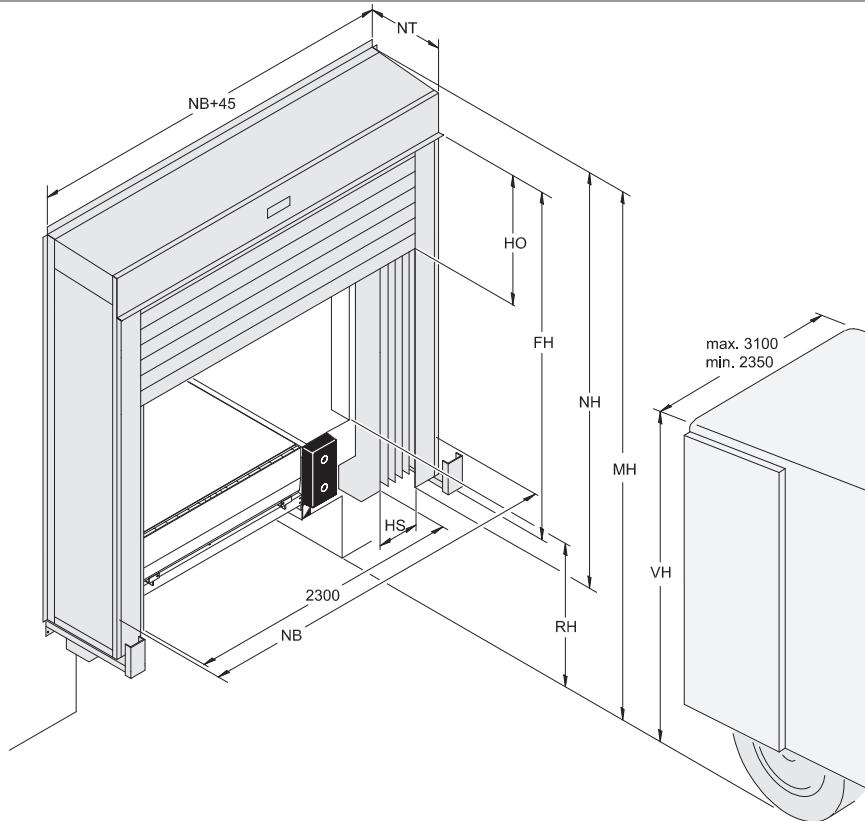
2.5.1 Option wear shield



Extra layer of 3 mm PVC curtain mounted to side bags by VELCRO tape to cover the lowest part left and right in the vehicle contact area. When the vehicle moves up and down during loading/unloading the side bags are protected against damages.

3. Specifications

3.1 Dimensions



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Abb.	Dimension	Value (mm)
NB	Nominal width	3600
NH	Nominal height	3755, 4055, 4355, 4555
NT	Nominal depth	770, 1020
FH	Free height above level*	3300, 3600, 3900, 4100**
HO	Top bag extension	1000, 1300
HS	Side bag extension	650
MH	Installation height	VH+500
RH	Dock height	

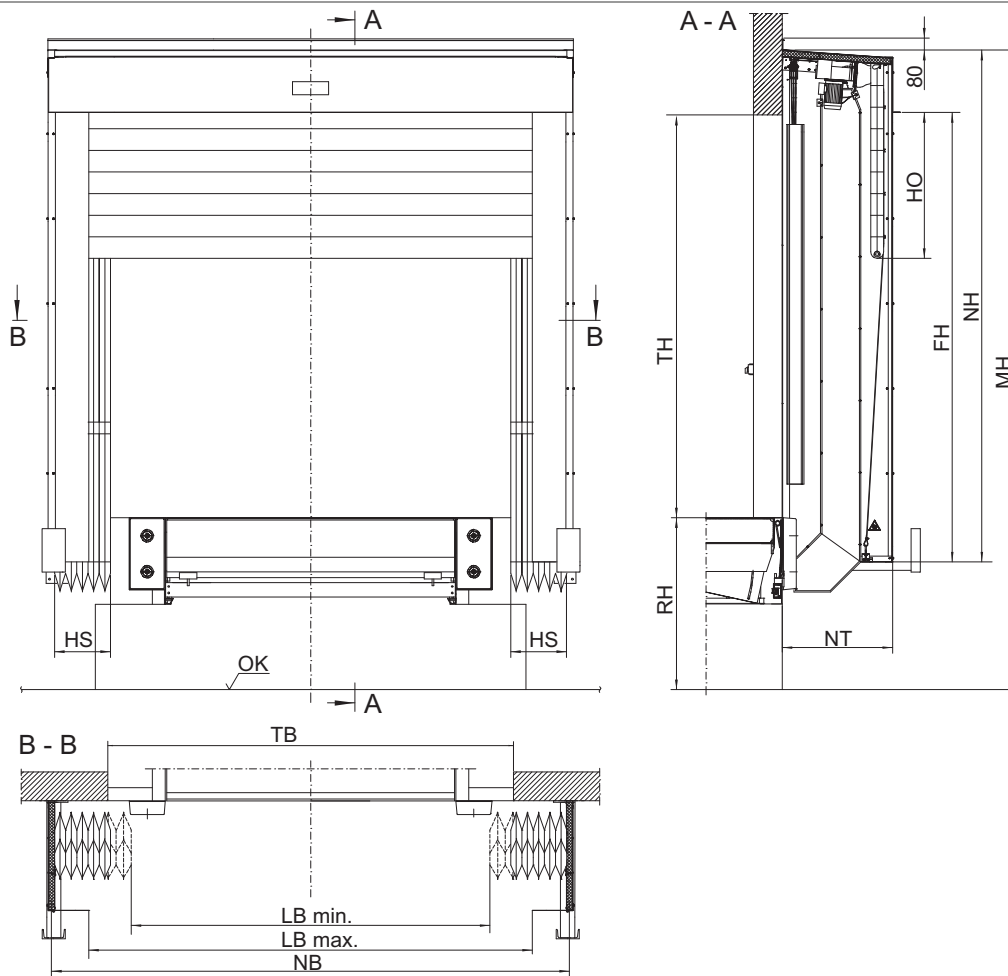
* depending on MH (installation height)

** maximum sizes

4. Construction

The Crawford 670 inflatable shelter SIB can be fitted directly to the wall or on a Load House and is available as a single module or multiple modules. The Crawford 670 inflatable shelter SIB consists of two side walls with bags (one side wall for multiple module), front protections and installation material. Roof with top bag, front plate, machinery, fan and installation brackets. The Crawford 670 inflatable shelter SIB is operated from a control panel and the supply contains the complete dock shelter including necessary fixings. The Crawford 670 inflatable shelter SIB reaches from the top of the truck until a little under the vehicle bed.

4.1 Construction SIB



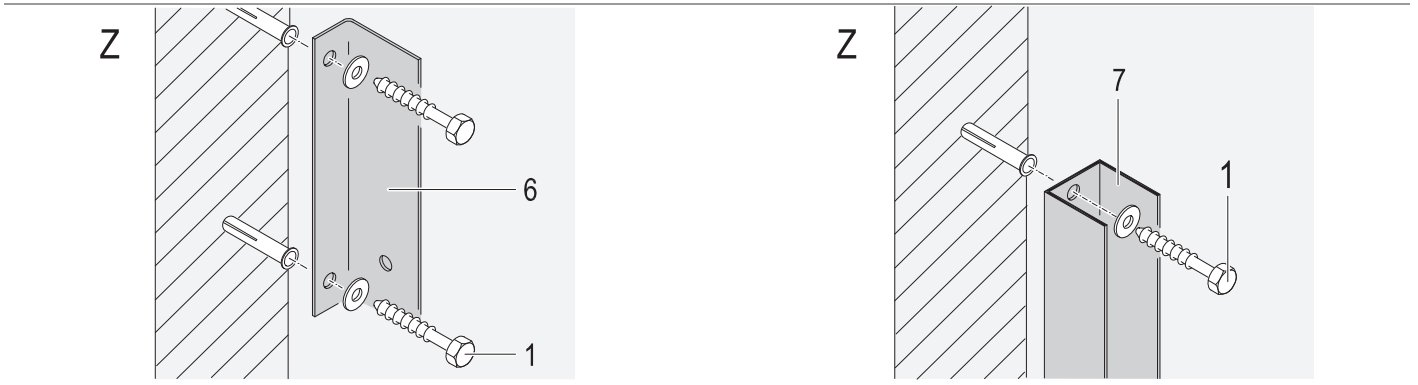
OK	Yard level
T	Door height
TB	Door width
NH	Nominal height
RH	Dock height
LB	Clear width
HO	Top bag extension
HS	Side bag extension
NT	Nominal depth
NB	Nominal width
FH	max. free height above dock level (depending on MH)
MH	Installation height (VH=500 mm)

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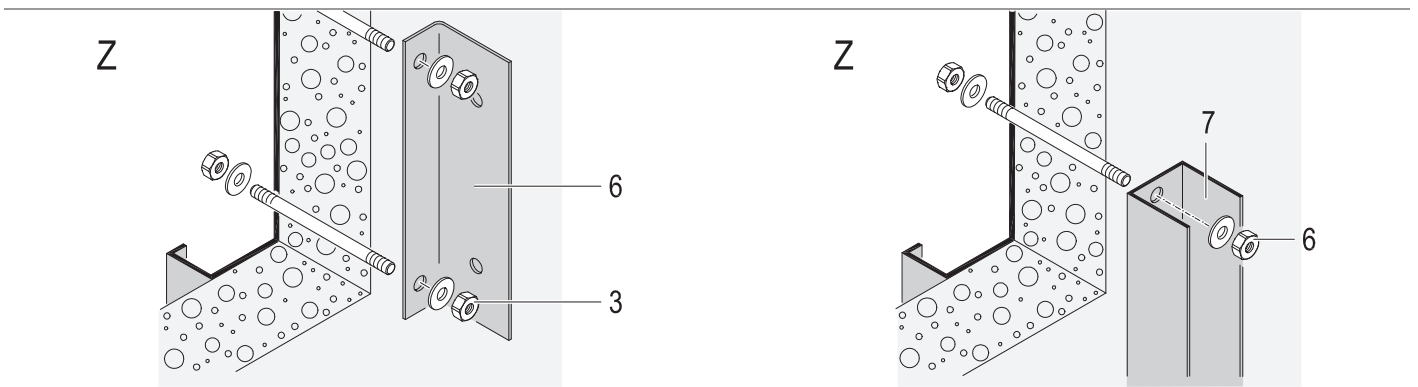
5. Building and space requirements

5.1 Wall fixings

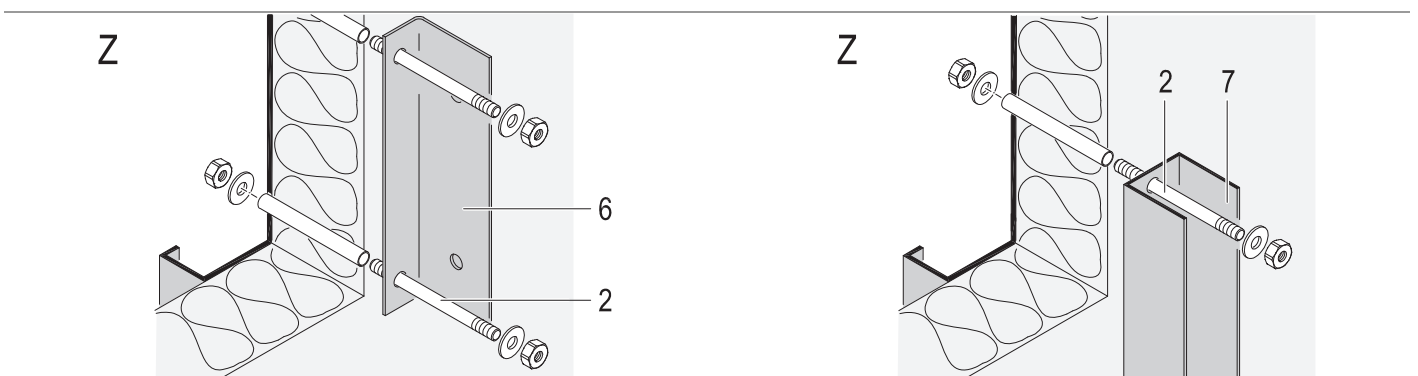
5.1.1 Heavy concrete wall



5.1.2 Light concrete wall

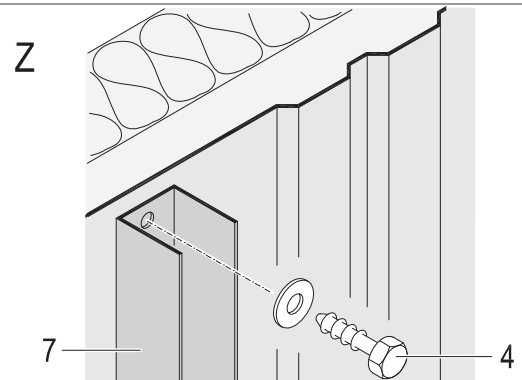
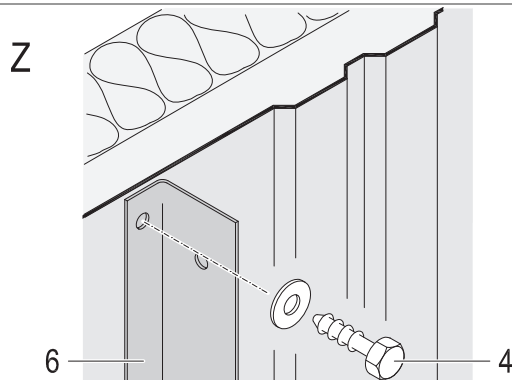


5.1.3 Insulated wall

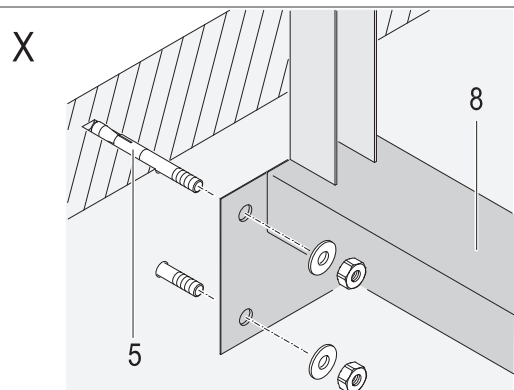
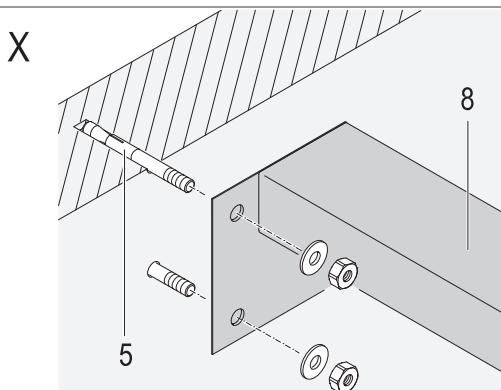


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5.1.4 Cavity wall



5.1.5 Steel guard



1	Screw with dowel 8x60
2	Threaded bolt with nut and washer**
3	Hexagonal nut with washer
4	Self tapered screw 8x32
5	Heavy duty bolt M12 **
6	Support bracket **
7	U-profile 45x40x1
8	Steel guard

* by others, not included in the delivery

** belong to the wall fixing

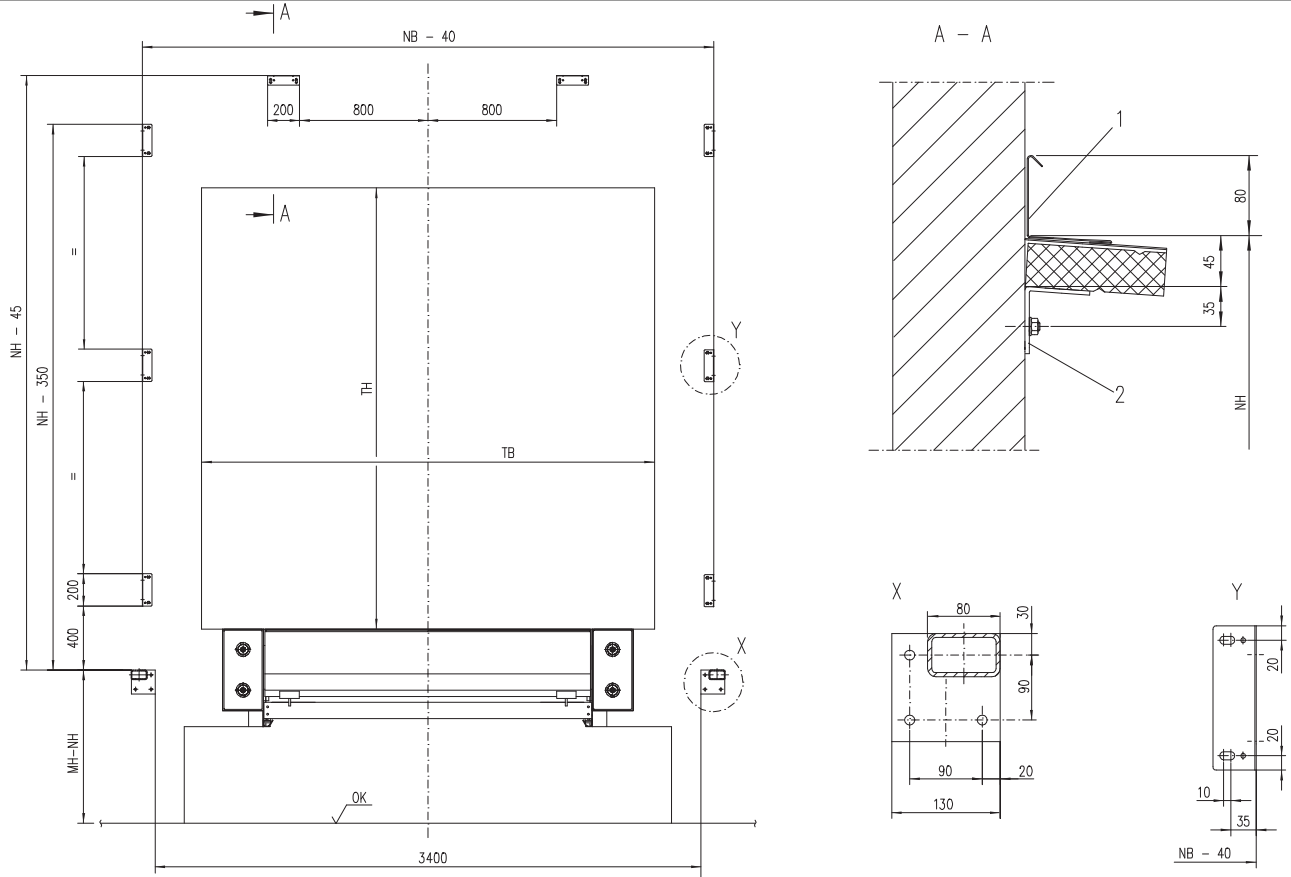
Note!

The wall surface at the installation point, NH + 150 mm (measured from the top edge of the impact bar) and NB + 100 mm, should be smooth and flat. The same applies for the fixing of the impact bar.

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5.2 Fixing points

5.2.1 Fixing points regular



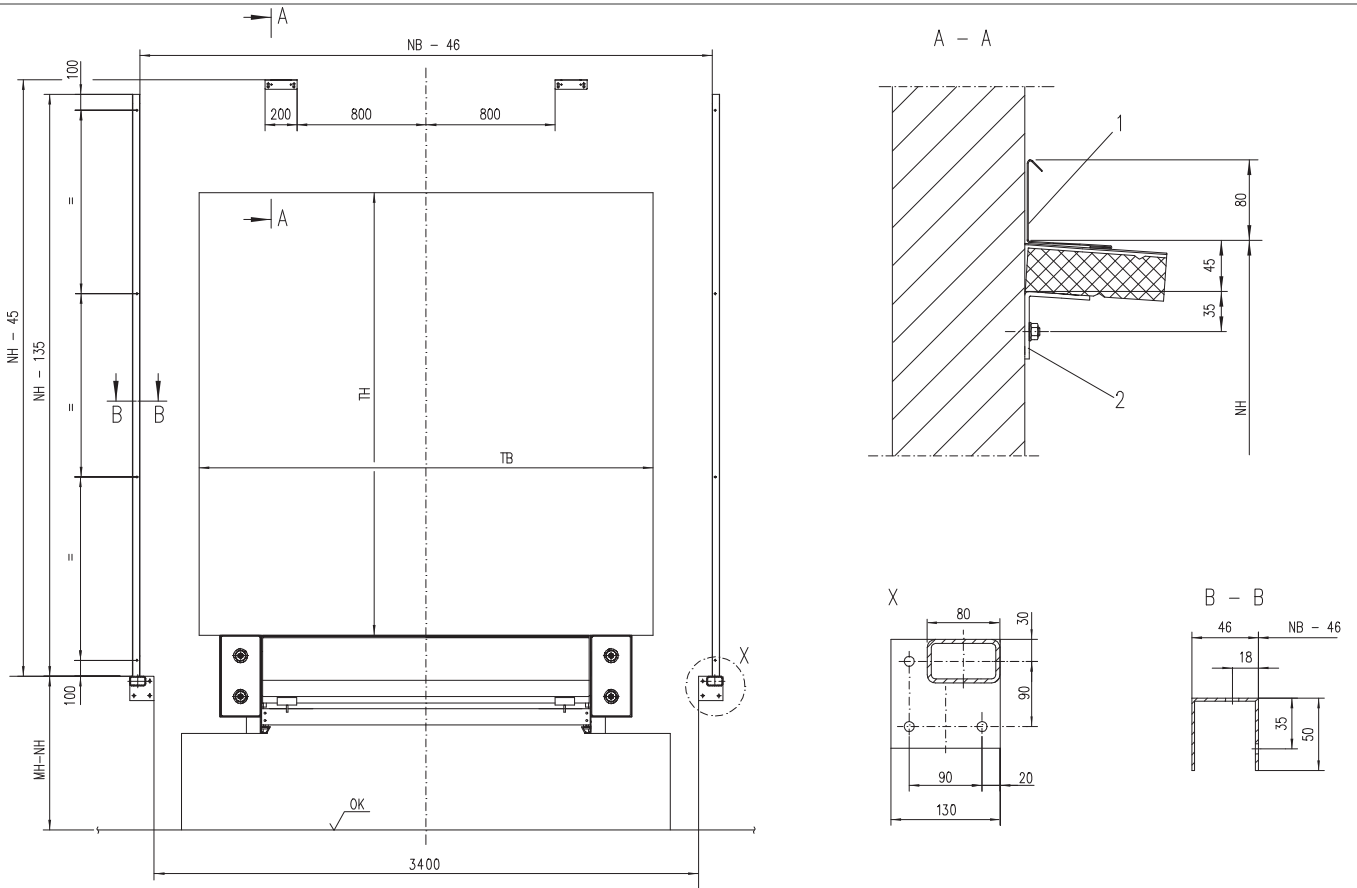
2 Wall mounting profile*

3 Support bracket*

* belong to the wall fixing

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5.2.2 Fixing points with u-profile



- 2 Wall mounting profile*
- 3 Support bracket*

* belong to the wall fixing

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6. Service



These keys open doors to better business

Regardless of their function, age or manufacturer, your industrial doors and dock loading systems have an important role in the flow of your business. That's why it makes sense to plan their maintenance long before the need for service occurs.

A Key Customer Service agreement from Crawford is your best assurance of safe and trouble-free door and dock operation. By becoming a key customer, you not only reduce the risk of breakdowns, but also guarantee compliance with local regulations and the new harmonised EU standards. You also ensure that your doors and dock loading systems retain their classifications for wind load, air permeability, water penetration and more.

Four types of Key Customer Service agreement – Green, Yellow, Blue and Red – allow us to tailor our service to your specific needs. Based on the role of your doors and dock loading systems, and the intensity with which you use them, you receive service that provides the perfect balance of economy, safety and security.

Best of all, the maintenance is performed by Crawford's renowned team of service technicians. As a qualified specialist in industrial doors and dock loading systems, we have the knowledge and skills to service any door or dock, regardless of its type, age or manufacturer. With Crawford as a single source for all your door and docking equipment brands, you can easily reduce costs while increasing equipment availability.



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Crawford is a leading international provider of door and logistics solutions. The carefully selected programme of doors and dock loading equipment, combined with profound application know-how and an unparalleled service offering, is the reason why more than a million customers have chosen Crawford as the preferred supplier for trouble-free operation around the clock.

