



INDUSTRIAL DOORS

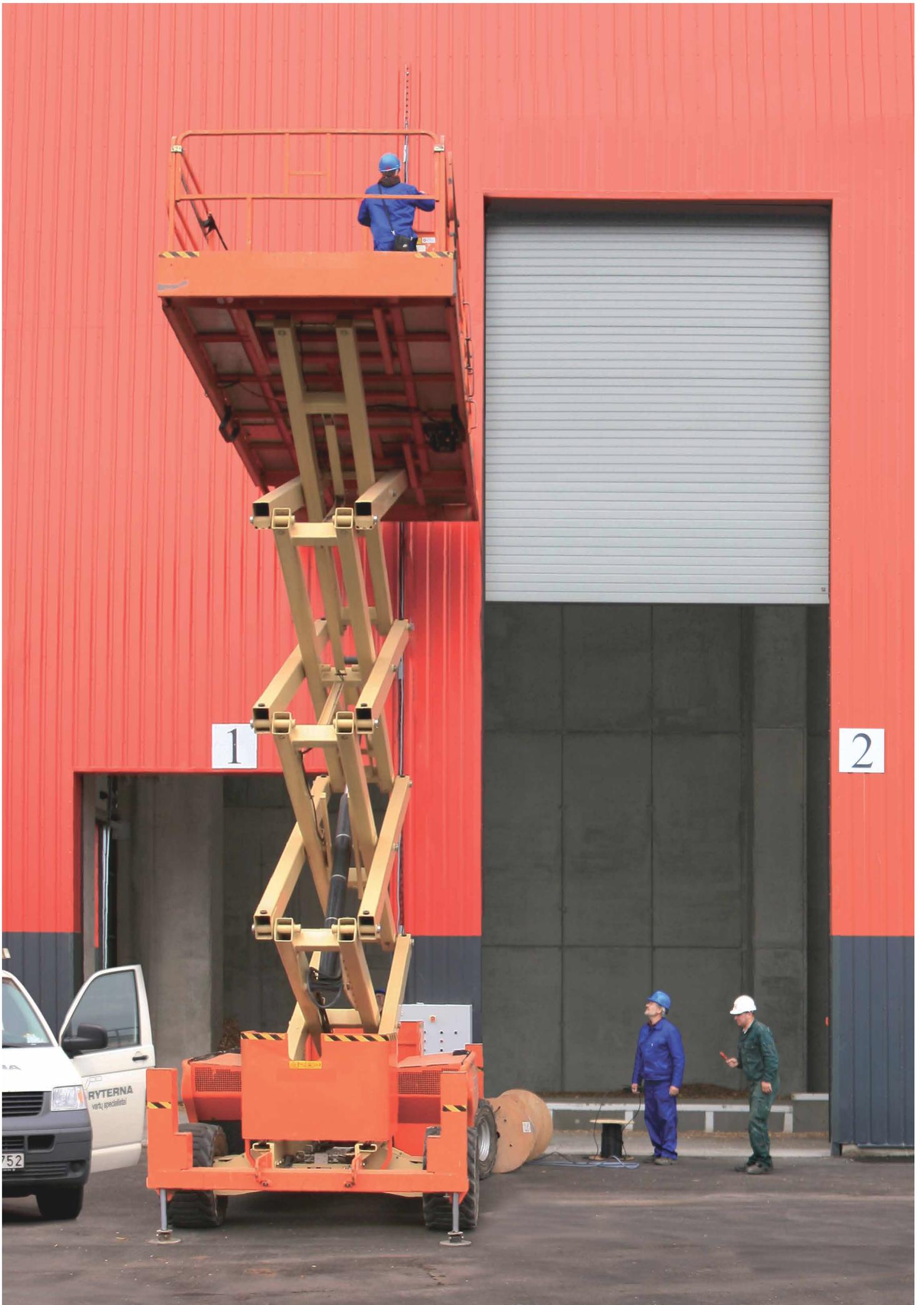






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Industrial doors built to serve

RYTERNA manufacture several types of industrial doors. Each door we build exactly for its purpose. Of course durability and performance are key factors. But we care about door aesthetics as well. It is important how your industrial surrounding looks like.

We specialize in designing and manufacturing large-size special doors of various types. Each case is unique. Therefore we are ready to help you to choose the right type of door to get the best performance.

Having specialized in sectional door manufacturing for more than 30 years we have developed a wide product range. From solid design, materials, insulation and hardware — to fast delivery and reliable service.

Numerous sectional door manufacturing facilities equipped with continuous production lines, supply sectional door products all over Europe. For further information on any of our product range, please, contact your nearest RYTERNA distribution office where a member of our staff will be happy to assist you with any inquiry.

Variety. A vast range of panel designs. RYTERNA offers a standard panel range as well as many exclusive and unique designs to fit the most demanding requirements.

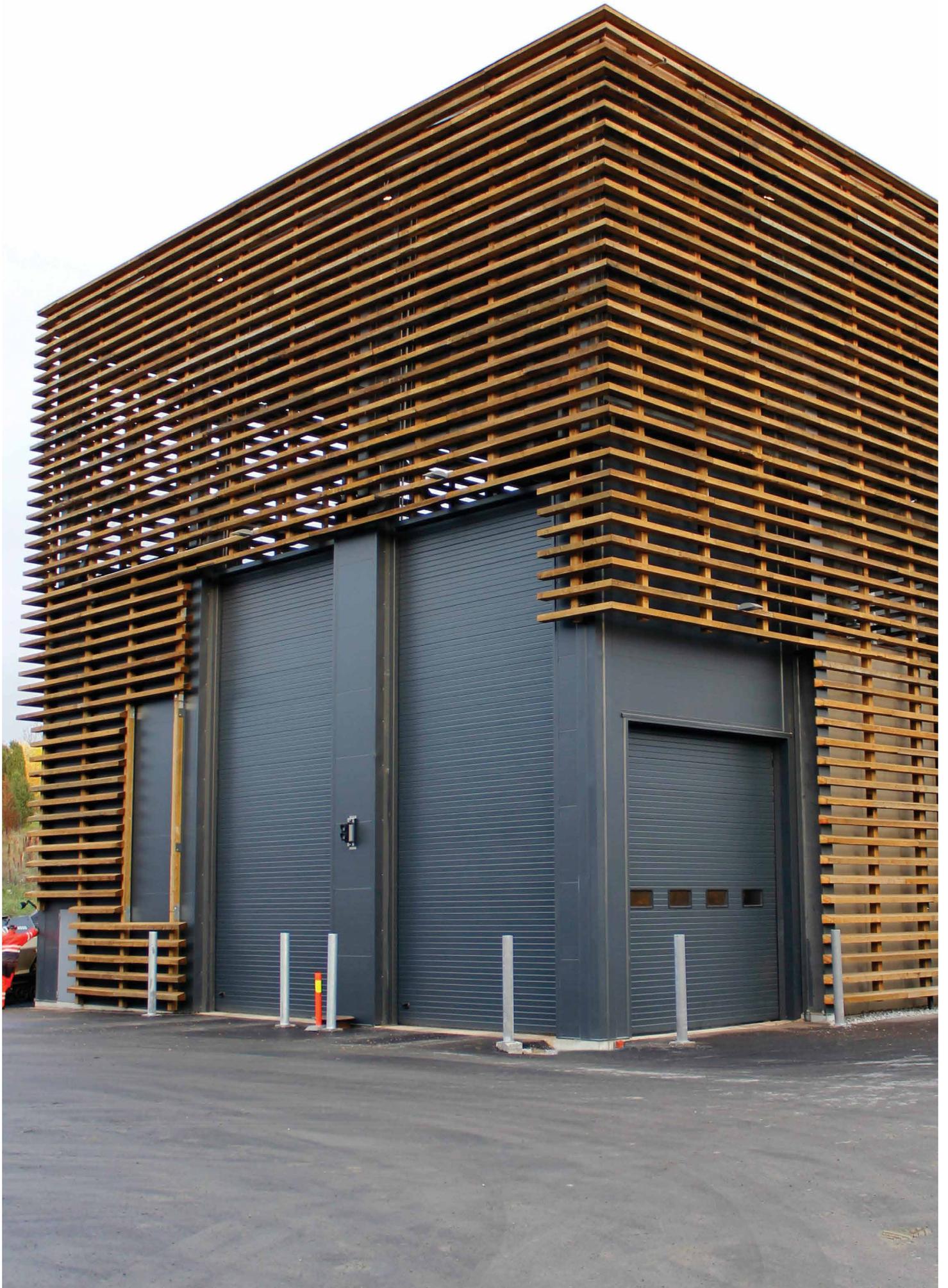
Tailored. Each RYTERNA door is tailor-made using the exact dimensions of your opening. This ensures the door you choose is manufactured according your specifications at no extra cost.

Quality & Safety. The company works in accordance to EN ISO 9001:2015 quality standards. Products are tested to meet CE requirements in accordance to the standard EN 13241 - 1, include anti-pinching panels and hardware, spring brake safety devices and other equipment to warrant safe operation. RYTERNA quality system, along with years of experience, helps us making a top-line sectional door.

Insulation. RYTERNA sectional door panels are made of double skin zinc coated, primed and painted steel tin filled with 40 or 80 mm PU foam. Tight weather-sealing all around the door provides efficient thermal insulation.

Delivery. All doors are delivered by RYTERNA fleet. Firm and easy-to-handle packing significantly reduces the risk of damage up to fitting moment.





TLP Rib

Rib panels surface have a standard 'Stucco' pattern.

Double-skinned 40 mm thick PU insulated panels provide good thermal insulation. Standard panel heights — 500 mm and 610 mm. Sections of this type can be used in the door up to 50 square metres.

10 cm high horizontal ribs the door lightweight look and extra sturdiness at the same time.

TLP RIB doors are available in 12 standard colors. Any other RAL palette color available.





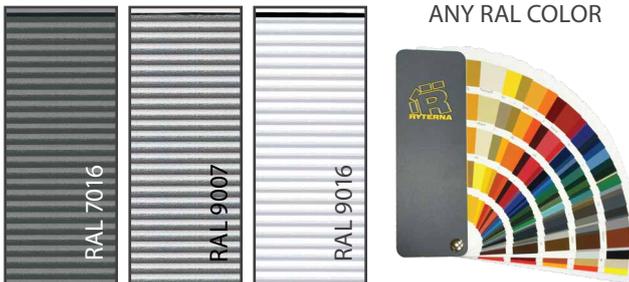
TLP Macrorib

Macrorib panels surface have standard 'Stucco' pattern.

The surface of Macrorib door is stucco embossed and formed in soft waves, every 10 mm. Nice looking modern style door, suitable for commercial architecture.

Standard panel heights are 500 mm and 610 mm.

Macrorib doors comes in standard RAL 9007, RAL 7016 and RAL 9016 or painted any RAL color.





Glazing options



- Rectangular window
- Black plastic frame
- Double acrylic glazing.
- Dimensions — 640x336mm



- Rectangular window
- Black plastic frame
- Double acrylic glazing
- Dimensions — 610x200mm



- Oval window
- Black plastic frame
- Double acrylic glazing
- Dimensions — 670x345mm



- Decorative round window
- Stainless steel frame
- Safety glass
- Diameter: 315mm; 235mm; 155mm



- Decorative round window
- Stainless steel frame painted RAL colours
- Safety glass
- Diameters: 315mm; 235mm; 155mm



- Decorative square window
- Stainless steel frame
- Double safety glass
- Dimensions: 315x315mm; 235x235mm; 155x155mm



- Decorative rectangular window
- Stainless steel frame
- Double safety glass
- Dimensions — 805x155mm





Wicket door

When an additional entrance is required and there is no space for the side door, — the **wicket door** could be an option. As a standard, wicket doors are supplied with a door closer, lock and handle. You can choose either standard or a version with a low threshold which is more convenient to pass through.

Standard opening sizes are 800 mm wide and 1900-2300 mm high depending on door layout. Max wicket door opening width 1200 mm (consult manufacturer about possibility for wide doors).

Pass door in TLP door is factory pre-assembled with lock and sliding door closer.

Options with magnetic or mechanical pass door closure switch, various anti-panic lock options are factory pre-installed on request.

Pass doors can be made of double-skinned sandwich panels and full-vision aluminium panels.

For additional security – 3 point lock is optional.

**STANDARD HANDLE COLOUR – SILVER
BLACK AND WHITE – ON REQUEST**



ANTI-PANIC LOCK

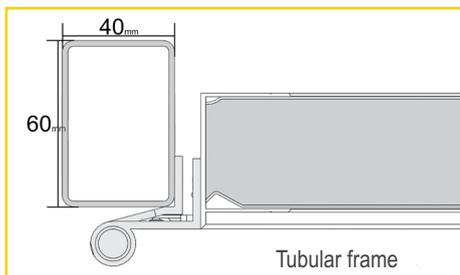
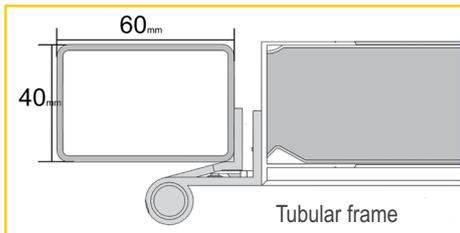
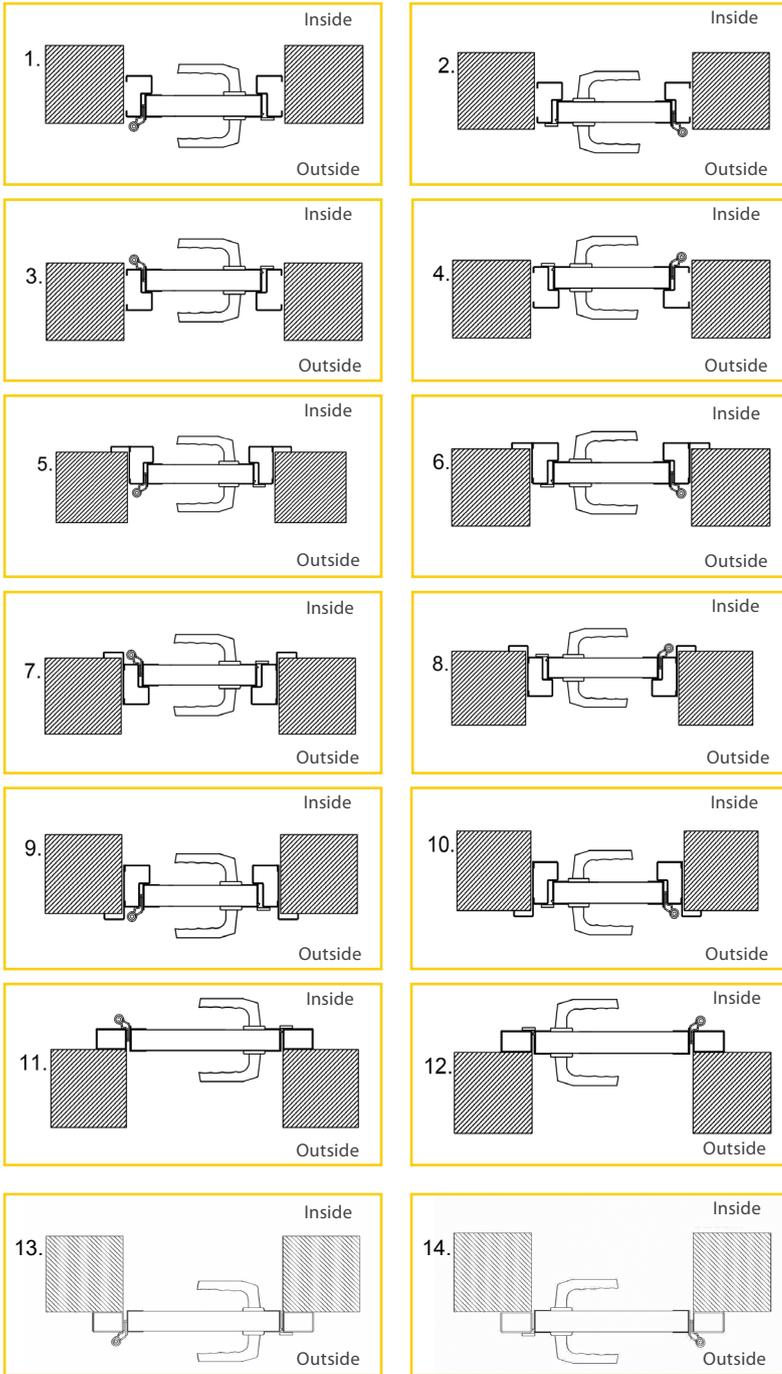


ANTI-PANIC LOCK WITH OPENING BAR





SIDE DOOR FITTING AND OPENING OPTION

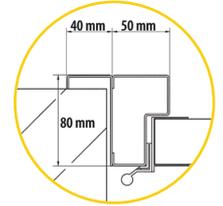
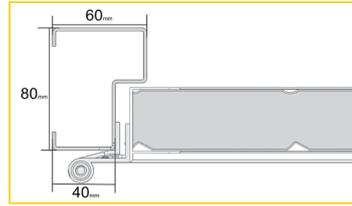


3 POINT LOCK



Side door

Side doors are made according to the style and parameters of the panels, including aluminium frames and glazing.



**STANDARD HANDLE COLOUR – SILVER
BLACK AND WHITE – ON REQUEST**



ANTI-PANIC LOCK / ANTI-PANIC LOCK WITH OPENING BAR

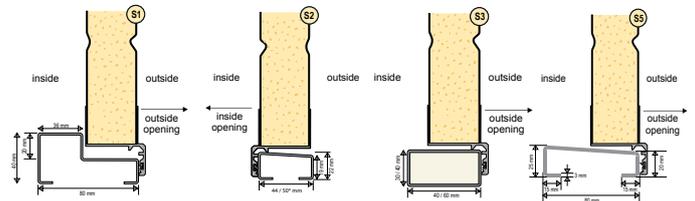


SELF CLOSING HINGES

FRAME MOULDINGS



SIDE DOORS THRESHOLD





TLP Full View

FV-standard



TL-FV door panels - anodized aluminium frames glazed with double acrylic glass come as a standard, Aluminium profiles can be painted any colour including metallic finish.

Optionally You can choose: acrylic, anti-scratch, tinted, matt or safety glass.

Sandwich type bottom white panel is standard for TL-Full View doors.

Glazed or 'sandwich' filled bottom panel is optional.



Natural safety glass

Standard clear acrylic

Clear anti-scratch

Tinted

Matt





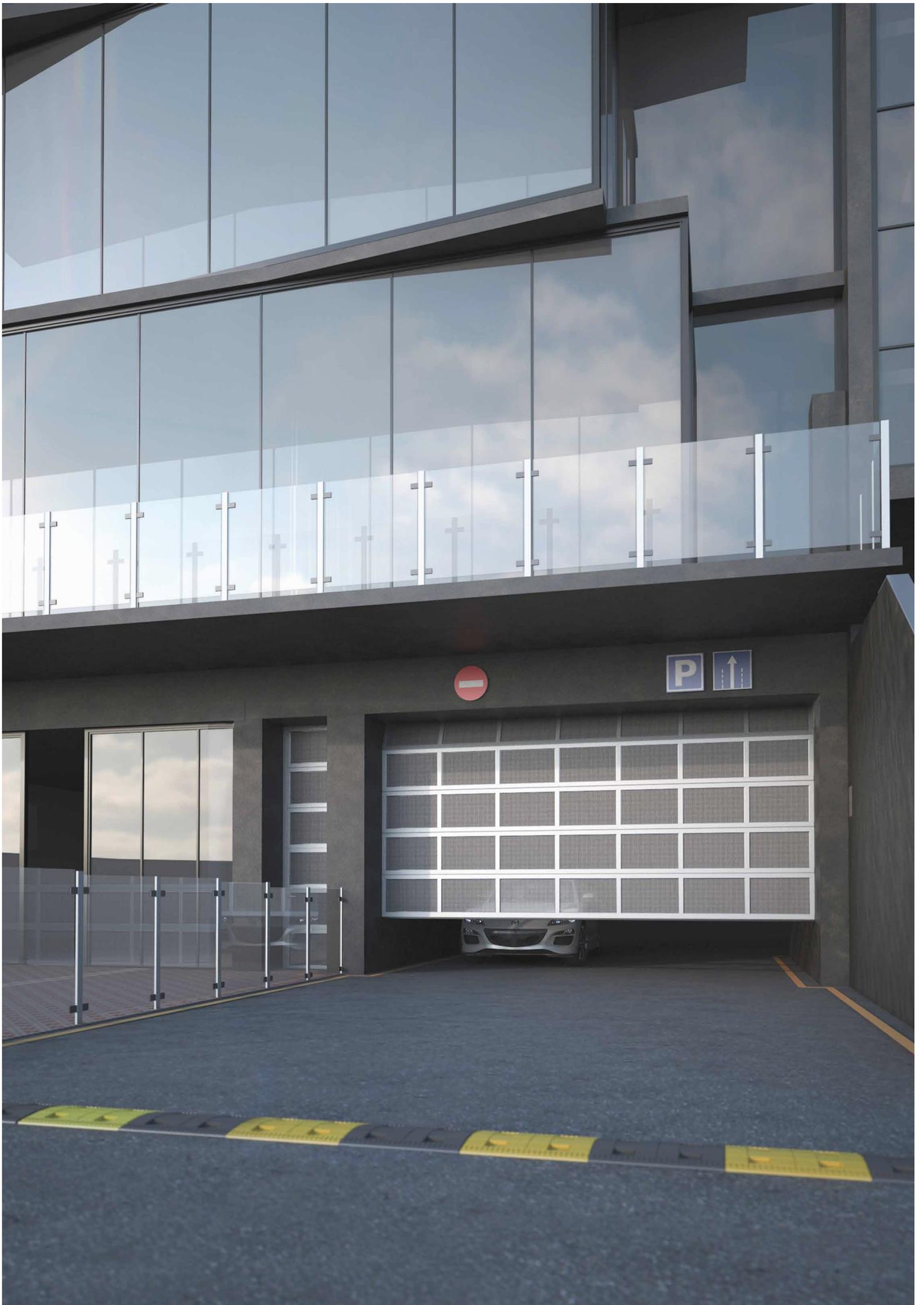
TLP Full View Thermo



Aluminium profiles with thermal break significantly increase the insulation value of a panoramic sectional door panels. **FV Thermo doors** are produced up to 7 meters wide and 6 meters high, with standard double panes of acrylic glazing or double anti-scratch glazing.

Optional tinted glazing provides better thermal value.





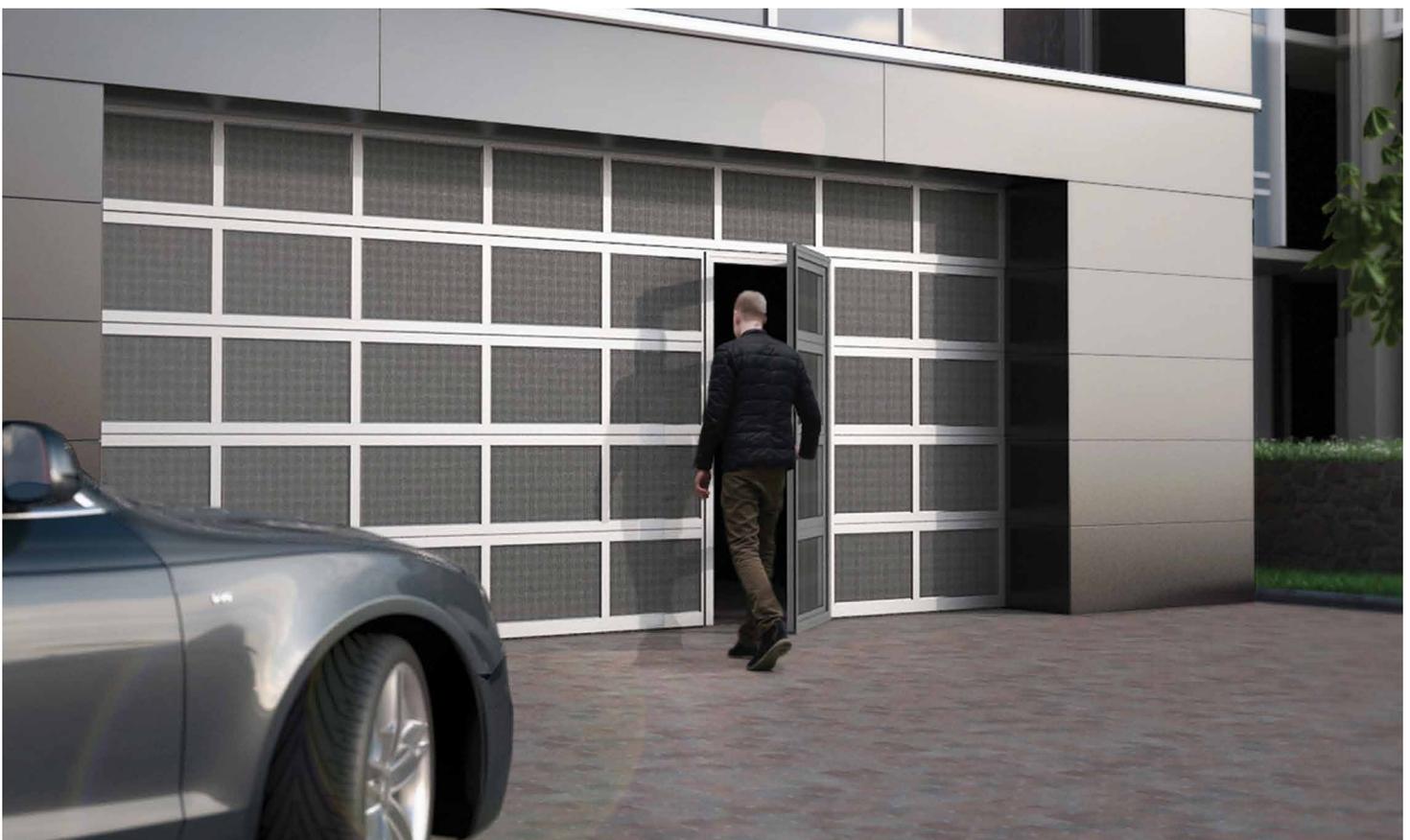
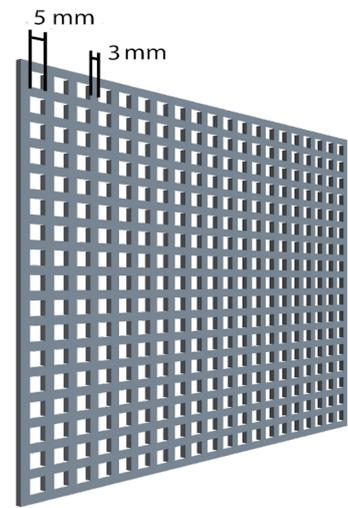
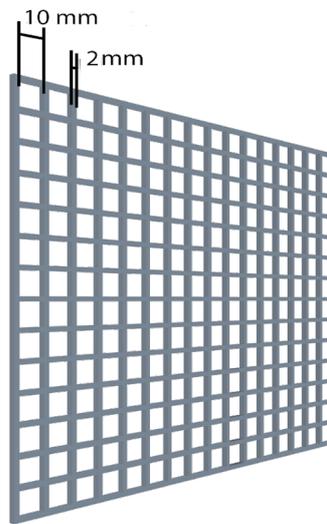
TLT



TLT sectional doors are designed for premises that require intensive ventilation, such as underground garages and car parks. Alu-frame with perforated, galvanized and coated steel sheets provides required air flow.

We offer grilles with 2 size holes: 5x5 with approx. 40% air permeability, and 10x10 with approx. 70% air permeability.

The number of perforated panels, both in the door and side doors, could vary depending on the air flow requirements.



TLP Ultra Thermo 80

Ultra Thermo industrial doors are designed and manufactured to save thermal energy in heated or refrigerated premises. Thermal break between inner and outer steel surfaces and 80 mm thick, high-density polyurethane insulation, provides excellent thermal value of the door up to 0.5 W/m² K.

Triple glazed acrylic windows thermal insulation is the same as a sandwich panel.



Triple acrylic glazing



TLP FV

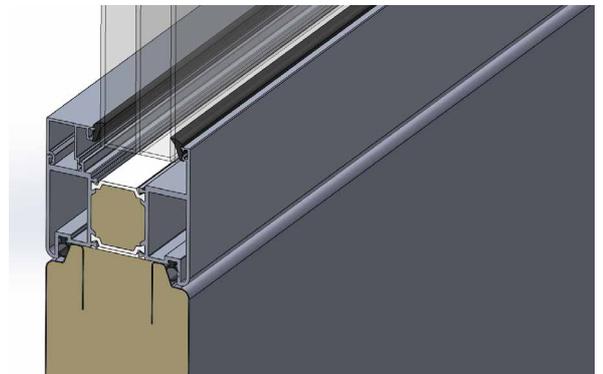
Ultra Thermo 80



80 mm thick aluminium profiles with 30 mm PU foam thermal break.

Made to measure up to:

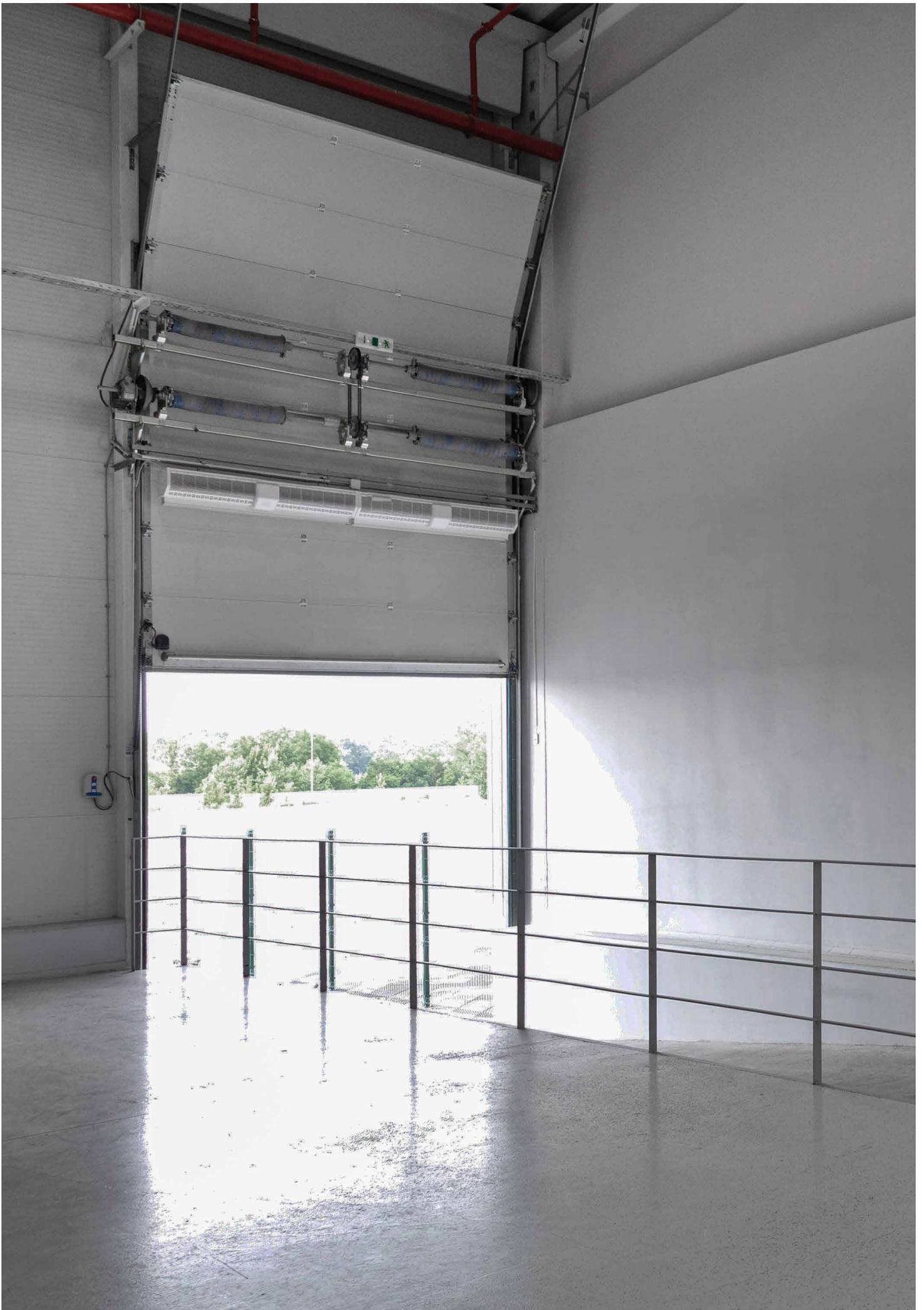
- 6000 mm wide
- 5000 mm high
- U value = $2.0\text{W/m}^2\text{K}$



Tracks

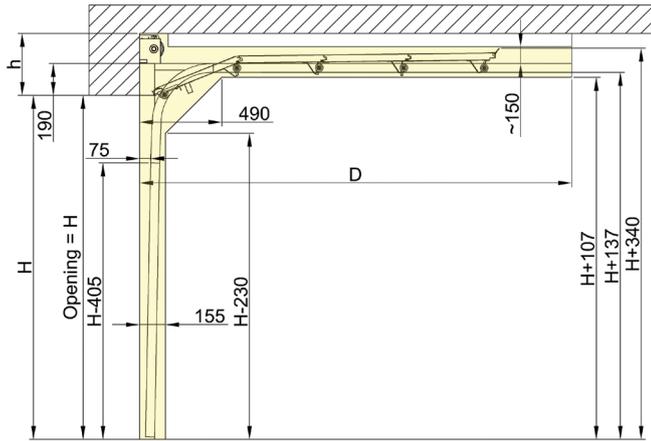
No matter how big your door or complex the building configuration is, we can offer tailored solutions for the best performance.





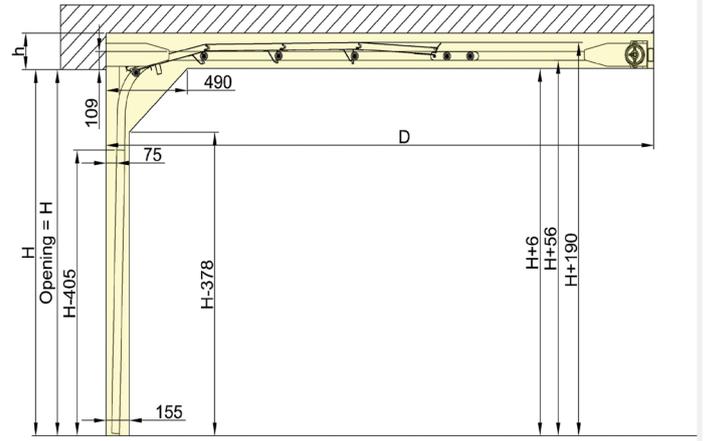
STD

standard



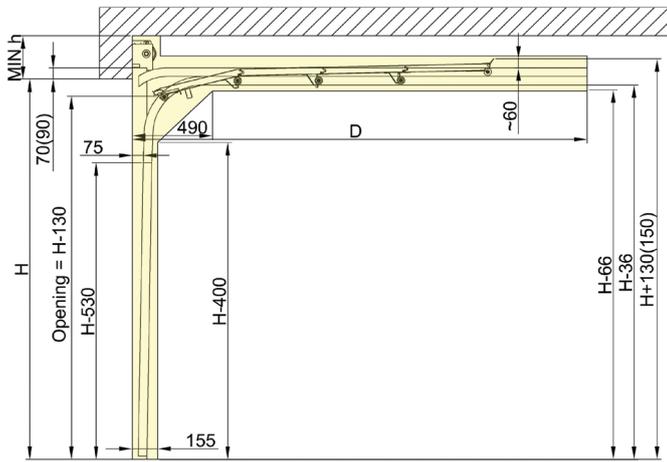
STD-RM

standard, spring rear mounted



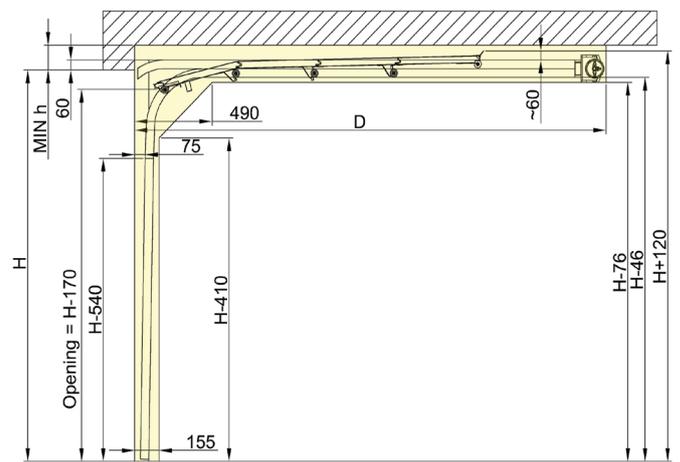
LHR-FM

low headroom, spring front mounted



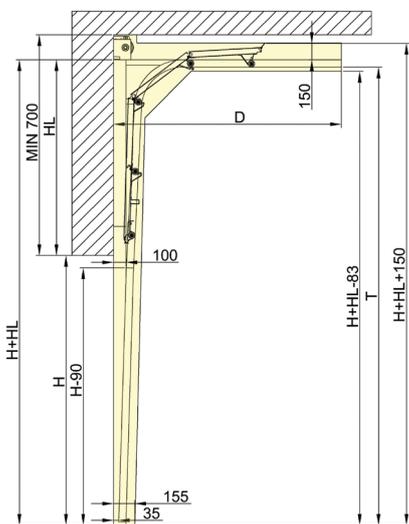
LHR-RM

low headroom, spring rear mounted



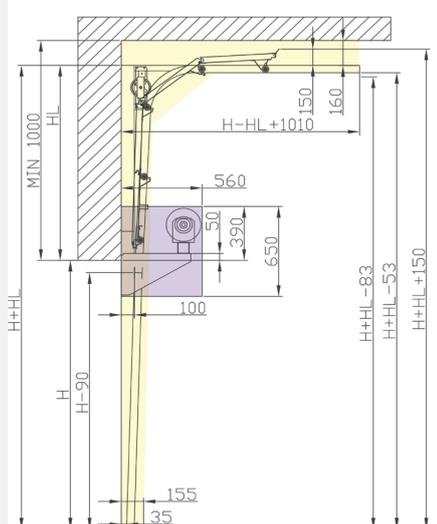
HL

high lift



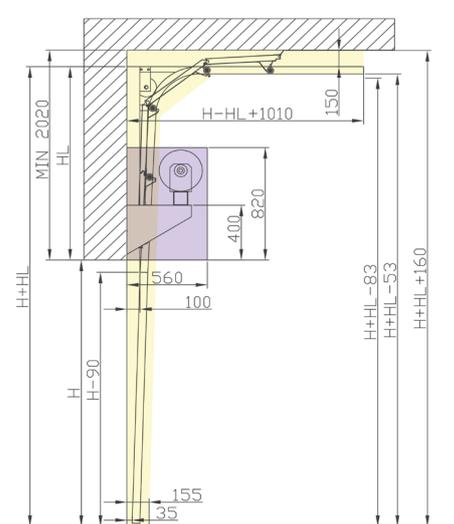
HL MM

high lift with console



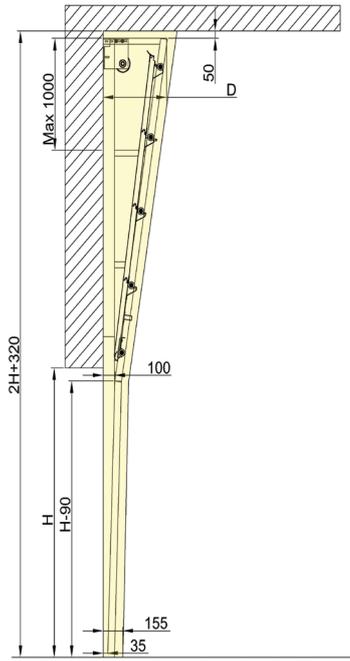
HL MM2

high lift with console



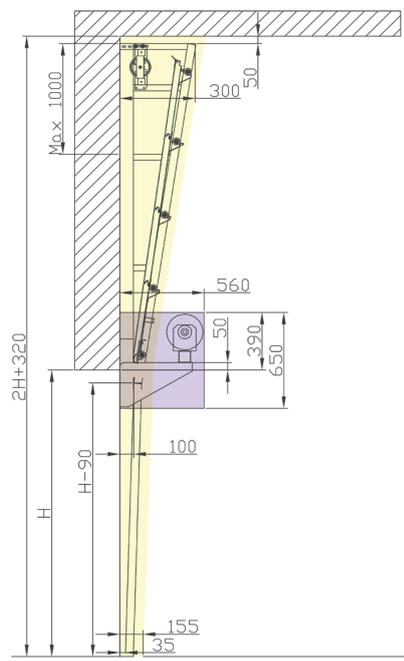
VL

vertical lift



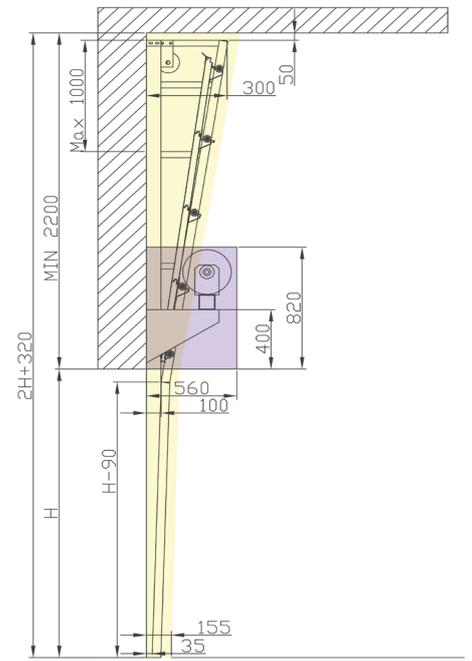
VL1 MM

vertical lift with console



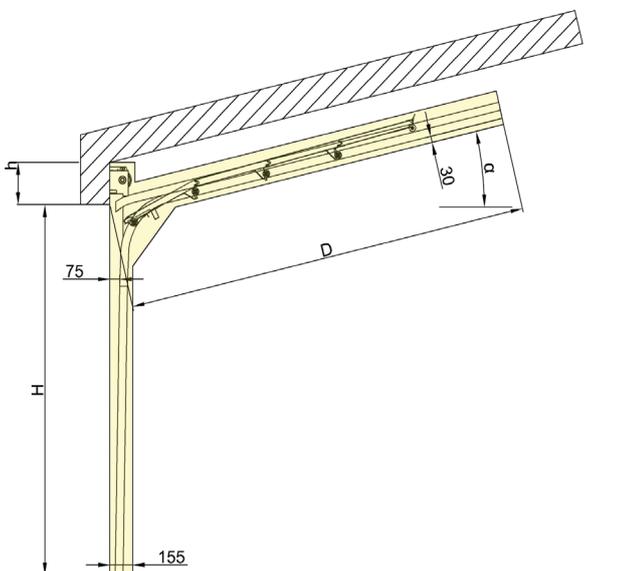
VL2 MM

vertical lift with console



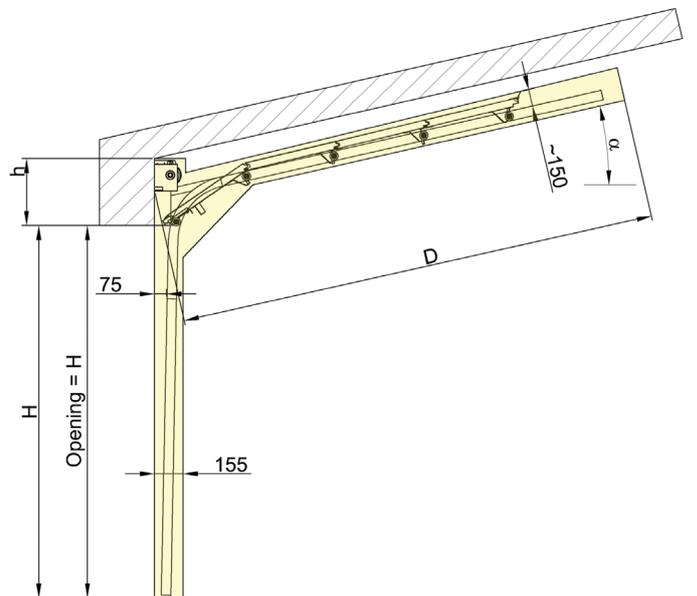
ROOFPITCH1

TLP LHR FM roofpitch

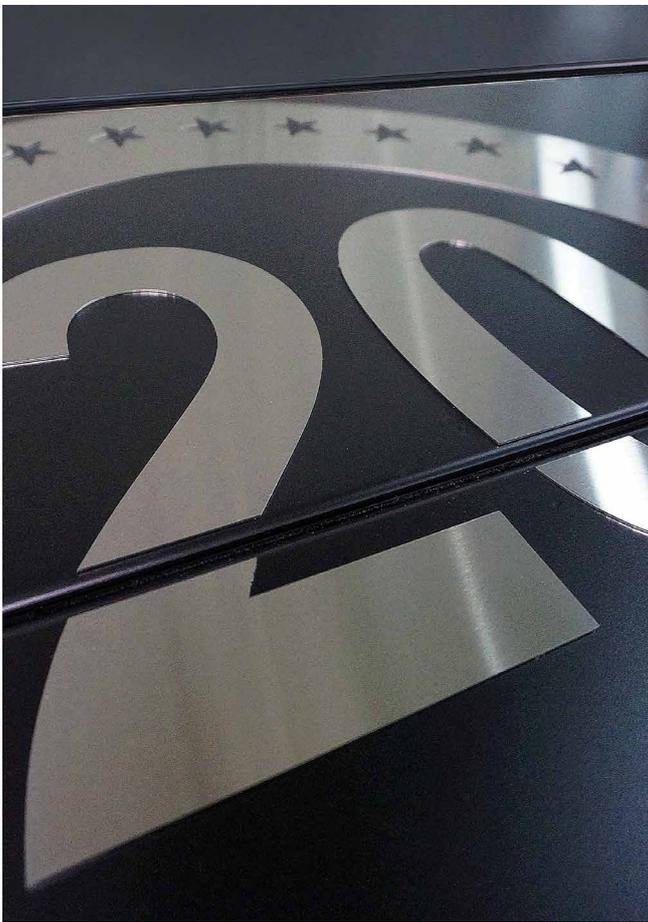


ROOFPITCH2

TLP STD roofpitch







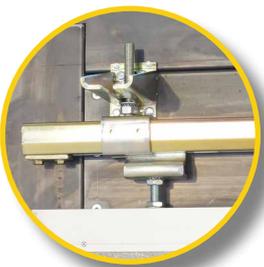
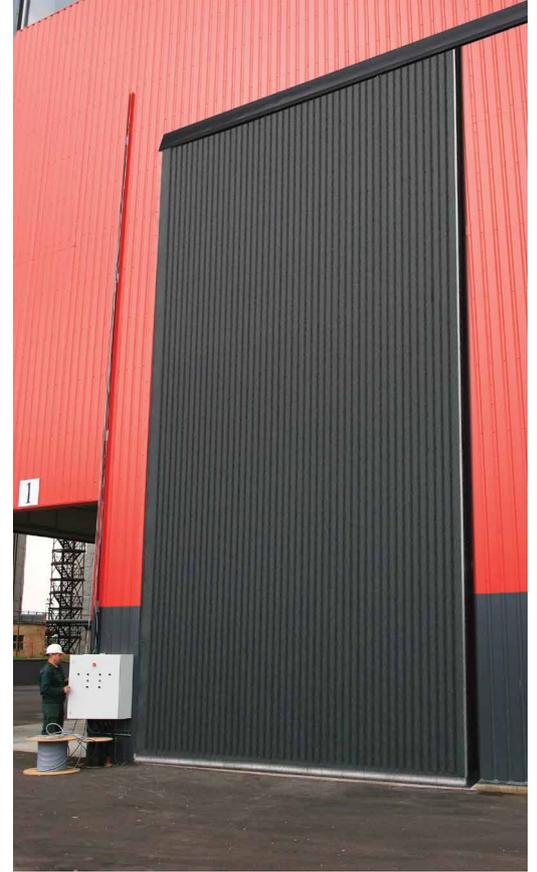
Match the style

Going in tune with the surrounding architecture we can offer a whole complex of visual elements that will match the rest of the style. Panel surface, colour, painted elements or appliquées will match the style of whole ensemble.



ISFD

Side Sliding Framed Doors



Heavy-duty guide rails and carriages



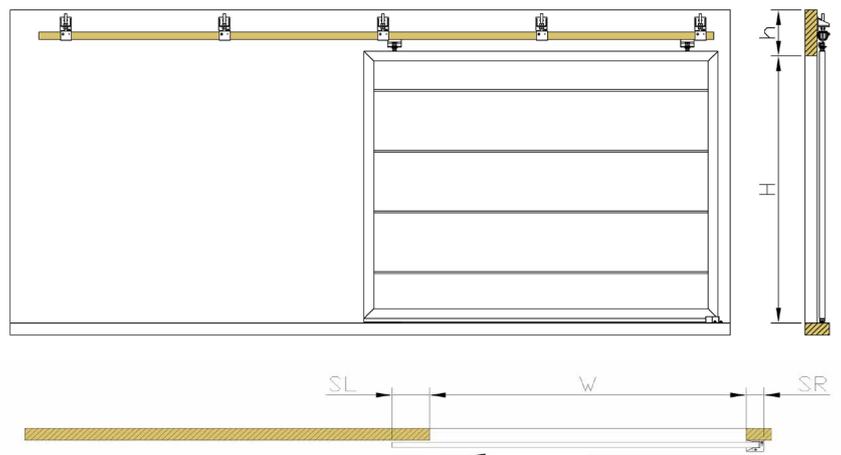
Side lock or floor lock options



Embedded handle



Solid bottom guide rollers



WxH (max), mm	Max weight, kg	h, mm	SL, mm	SR, mm
3500x2500	170	200	150	140
4000x4000	300	280	300	140
>4000x4000	600	410	300	190
	1200	510	300	190



ISSD

Side Sectional Sliding Door

Vertical panel layout gives possibility to build door up to 30 metres wide and up to 15 metres high. Heavy-duty guiding rail and roller system ensures smooth and reliable operation.

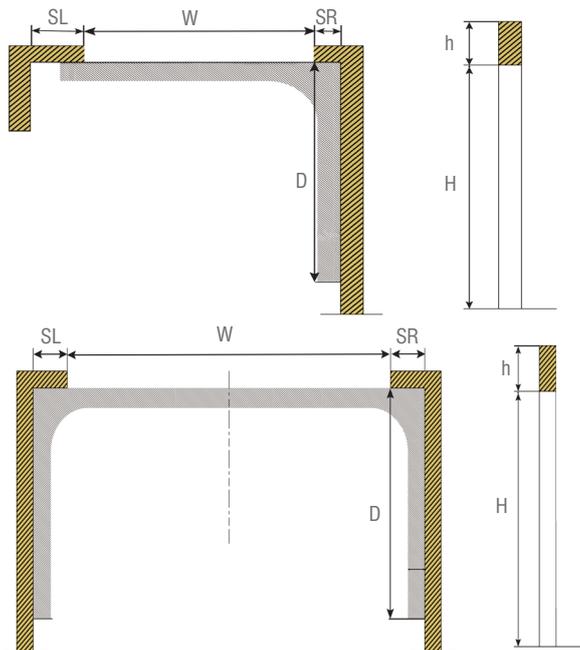
Door is moving sideways – space under the ceiling is free for cranes and industrial equipment.

Custom made bent guiding rail corresponds to perimeter walls so the door occupies as little space as possible.

Door is compatible with most electric drives. Pneumatic safety edges and infrared beam protective devices will make door operation safe.

Wicket door gives the possibility to save energy costs. Narrow bottom supporting groove requires very low service and provides smooth passage even for small trolleys and forklifts.

High wind load resistance allows to install doors in open and windy places.



		Manual				
WxH (max), mm		h, mm	SL, mm	SR, mm	D, mm	
Single leaf	10000x8000	400	750	75	W	
Double leaf	20000x8000	400	750	750	W/2	

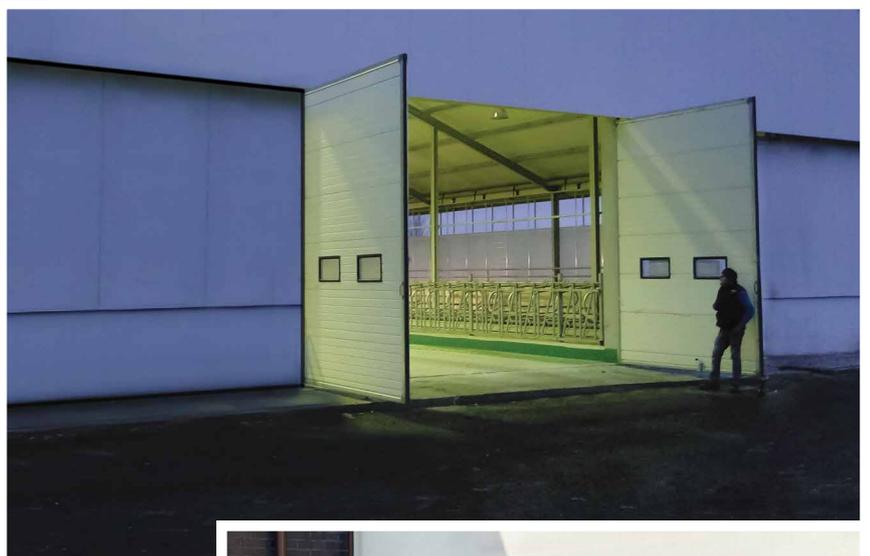
		Automatic				
WxH (max), mm		h, mm	SL, mm	SR, mm	D, mm	
Single leaf	10000x8000	1100	1750	300	W-1000	
Double leaf	20000x8000	1100	1750	1750	W/2-1000	

ISH2

Industrial Side Hinged Doors



Industrial Side Hinged Doors could be the perfect choice where conventional industrial doors can't be installed. Main application areas: agriculture, workshops, storage spaces, big garages. Insulated and reinforced leaves, steel frame, heavy duty hinges ensure high durability and perfect performance. Standard sizes up to 5x5 metres. For bigger sizes consult the manufacturer.

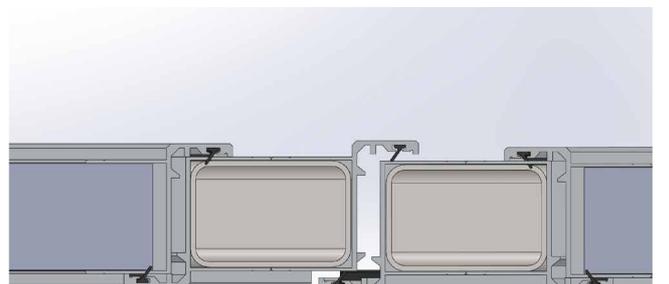
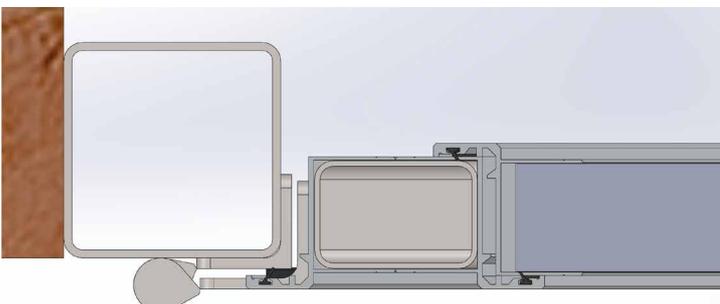


STANDARD OPTIONS:

- Inside locking
- Assembly on site frame
- Horizontal panel layout
- Rib & macrorib panels, standard TLP colours
- Anodized aluminum profiles

ADDITIONAL OPTIONS:

- Outside locking
- Wicket door
- Windows
- FV, TLT panels
- Door stays



Panel options

Despite - standard Rib and Macrorib panels we can offer a full range of panels that will - make Your door look exceptional and match the style.



SLICK

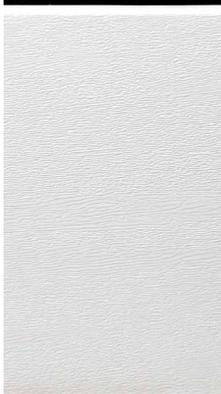
FLUSH

MIDRIB

MICRORIB

TOPRIB

CASSETTE



Tailored engineering

INDUSTRIAL SIZE SLIDING DOOR



SLOPING FLOOR CASE



SHIP YARD DOORS - 7 METERS WIDE & 12 METERS HIGH



POWER PLANT DOORS - 4,5 METERS WIDE & 11 METERS HIGH

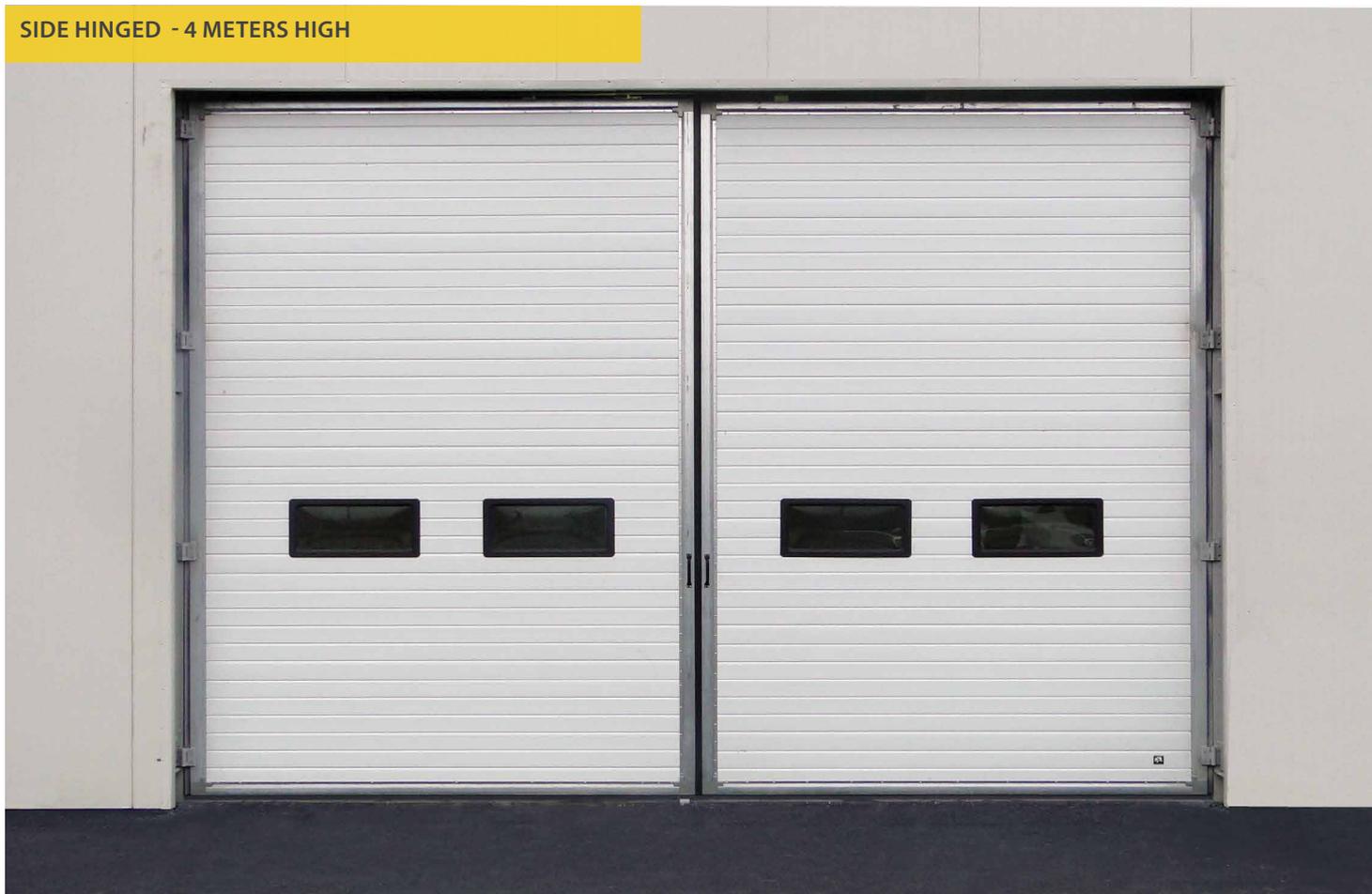




BOAT PARKING DOOR



SIDE HINGED - 4 METERS HIGH



SOLUTIONS UP TO 15 METERS WIDE



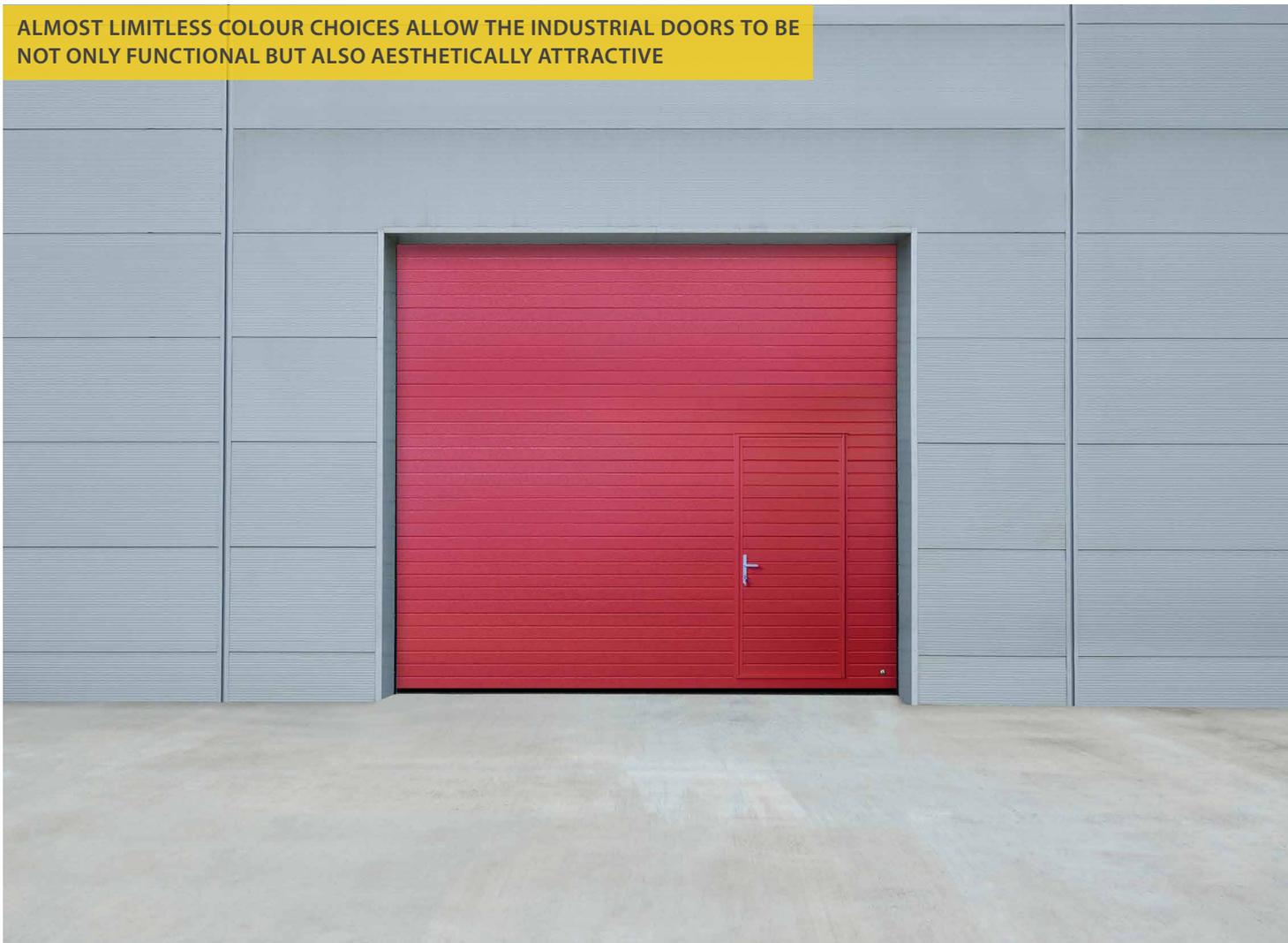
CONVEYOR CLOSING OPTIONS



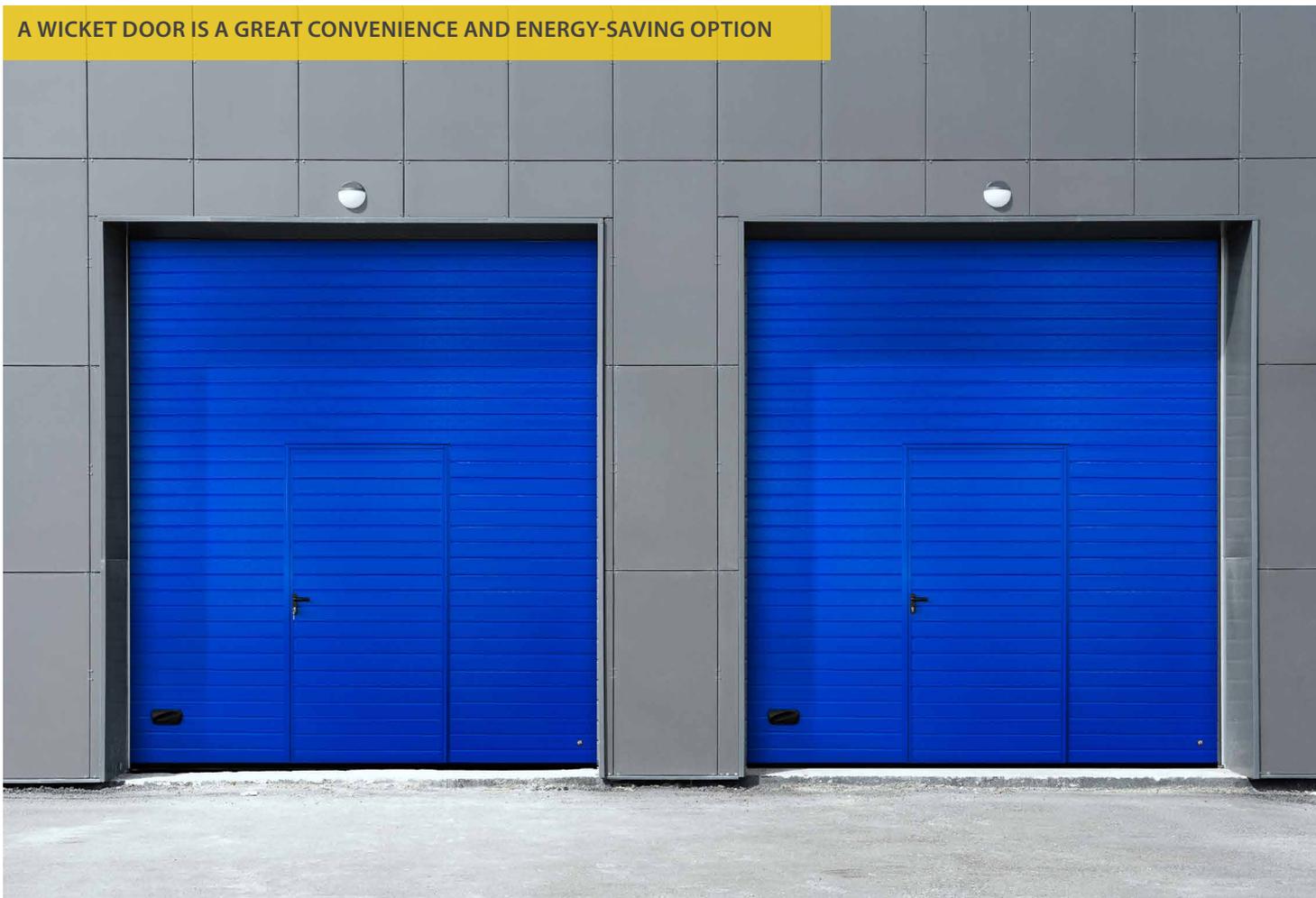
CONVEYOR CLOSING CASE

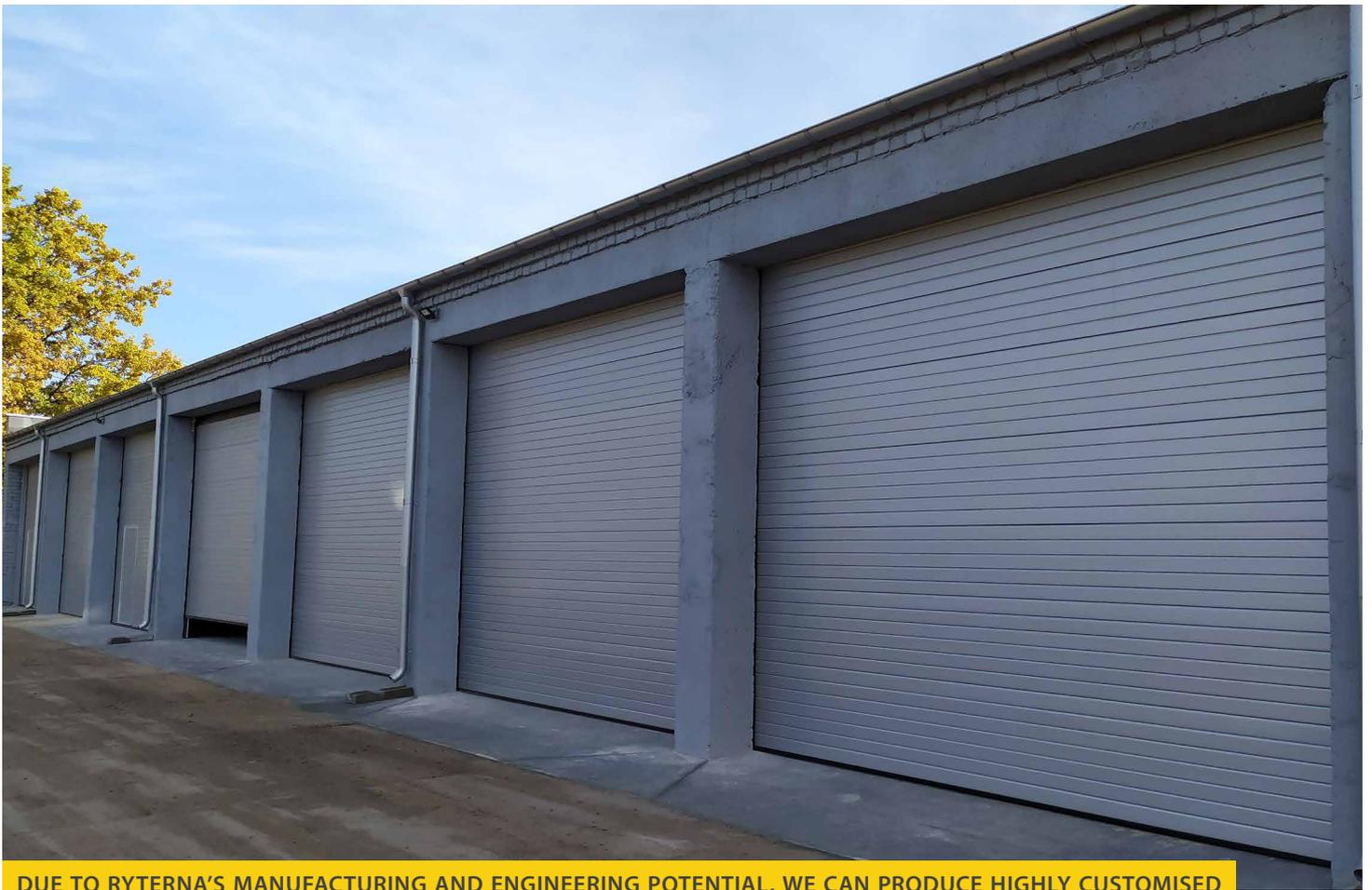


ALMOST LIMITLESS COLOUR CHOICES ALLOW THE INDUSTRIAL DOORS TO BE NOT ONLY FUNCTIONAL BUT ALSO AESTHETICALLY ATTRACTIVE



A WICKET DOOR IS A GREAT CONVENIENCE AND ENERGY-SAVING OPTION





DUE TO RYTERNA'S MANUFACTURING AND ENGINEERING POTENTIAL, WE CAN PRODUCE HIGHLY CUSTOMISED INDUSTRIAL DOORS FOR SPECIAL EQUIPMENT PREMISES AND HUGE SERIES OF DOORS FOR LOADING BAYS



