



INSTALLATION MANUAL OF DOUBLE LEAF SLIDING GATES TYPE
DFM SG 60-2, SG 90-2

fire resistant range EI₁60, EI₂60, EI₁90, EI₂90

v. EN DL 1.8.2020

Our business model shall guarantee:

FACILITY – comfortable and customised solutions aimed at Customers' needs

TRANSPARENCY- clear business relations

BUSINESS EXPERTISE – a team of passionate professionals with “out of box ” attitude

1 IDENTIFICATION, HANDOVER, NOMENCLATURE AND LIST OF PARTS



During installation, usage and repair works prescriptions of safety on site must be observed, specifically those referring to particular regulations for construction and joinery works.
Installation must be carried out by qualified installers, trained for installation of fire gates.
Parts and components of doors shall not be modified or replaced.

During handover of goods from transport company check packaging and quantity of doors, gates and cartons. In case of any claim a note CMR must be made and photos taken and sent to: dfm@dfm-europe.eu

1.1 ALL INFORMATION WHAT YOU CAN FIND ON THE DOCUMENTS AND LABELS

ORDER

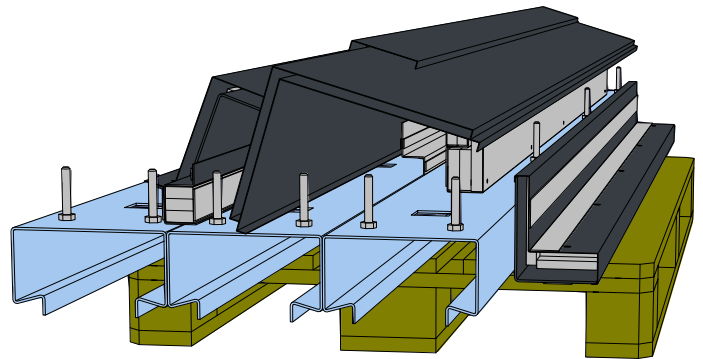
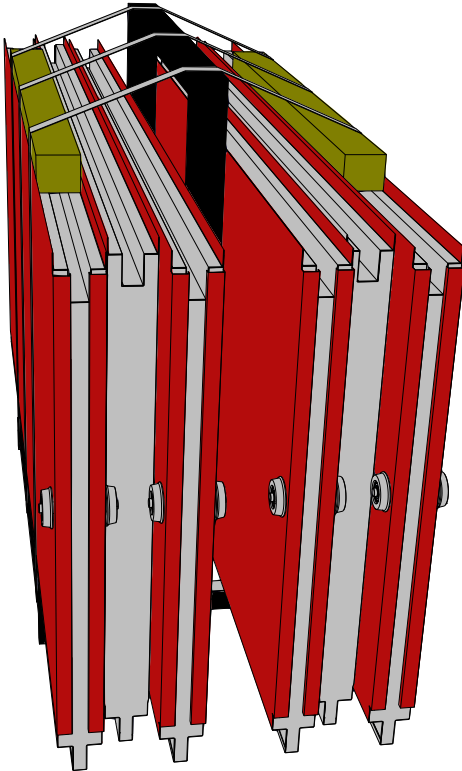
PROJECT NAME: „SOHO
X.199808”
PROJECT GATE NUMBER:
„74”

PACKING LIST

PROJECT NAME: „SOHO
X.199808”
PROJECT GATE NUMBER: „174”
INDIVIDUAL PRODUCTION
GATE NUMBER: 1087/2020/026

LABEL ON THE CARTON WITH EQUIPMENT

PROJECT NAME: „SOHO X.199808”
INDIVIDUAL PRODUCTION GATE
NUMBER: 1087/2020/026
QUANTITY AND NUMBER OF CARTON:
1/3



CMR

INDIVIDUAL PRODUCTION GATE
NUMBER:
1087/2020
1345/2020
1589/2020

ADDITIONAL INFORMATION ON PALLET SIDE :
NUMBER OF CMR: „573”
DELIVERY ADRES: "LUXEMBOURG"

LABEL ON THE GATE

PROJECT NAME: „SOHO X.199808”
PROJECT GATE NUMBER: „74”
INDIVIDUAL PRODUCTION GATE
NUMBER: 1660/2020/021

1.2 EXAMPLE OF LABEL

DFM SG	DFM DOORS
Nr zlecenia / Production Nr.	02819-EU-2020
PACZKI / EQUIPMENT	2/3
Oznaczenie projektowe / Project Name	
Data Produkcji / Prod Date :	2020-11-03

Order might be divided into a few production parts. It depends on mix of product types and their parameters, for ex. colour, fire resistance etc. Each production part of order has separate number: **Production nr.** Equipment packed and marked separately, according to particular **Production nr.**

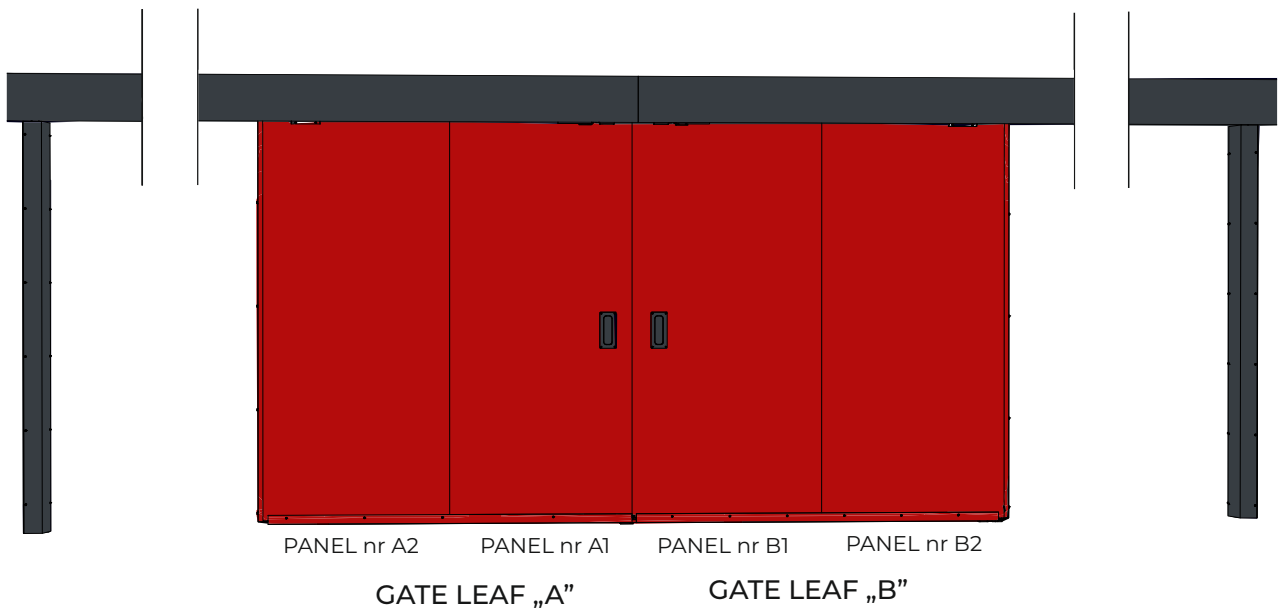
Label on each box with equipment is shows amount of boxes and number of particular box. For ex. 2/3 means second box of three boxes for number of particular box.

1.3 NOMENCLATURE



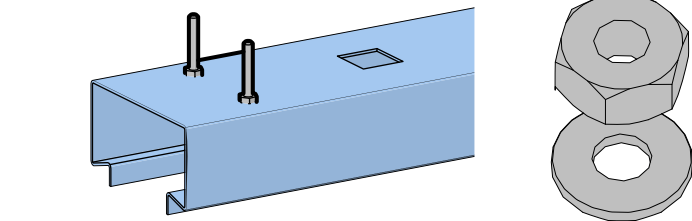
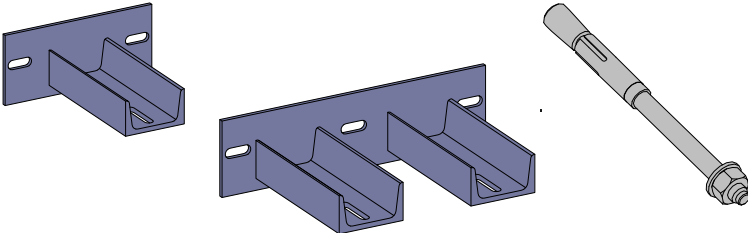
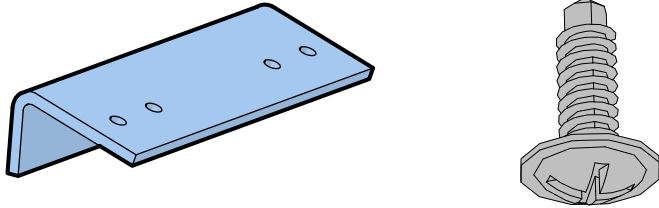
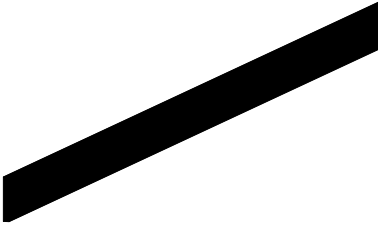
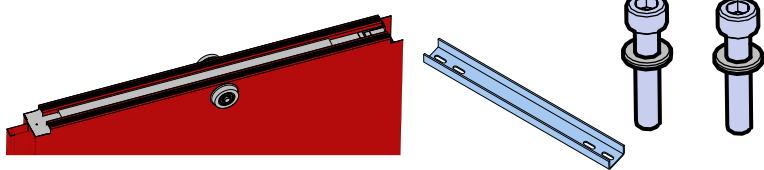
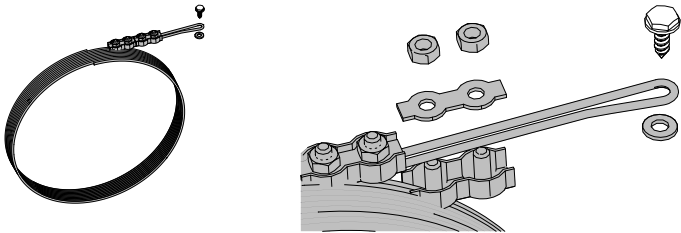
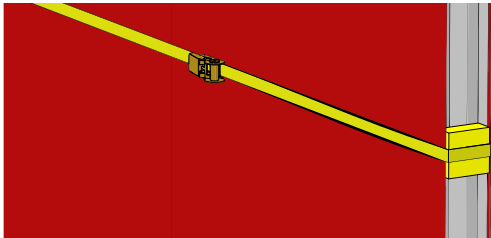
e.g: DFM SG 90-2
DFM SG 60-2

SG = sliding gate, 90 = EI₉₀ and EI₂90, 2 = double leaf
SG = sliding gate, 60 = EI₆₀ and EI₂60, 2 = double leaf



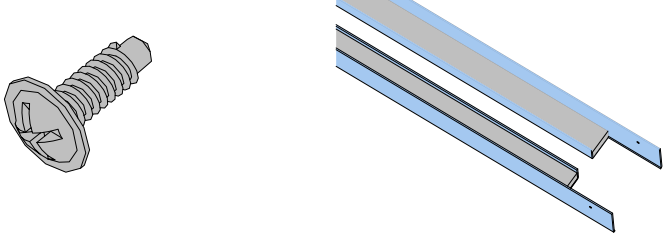
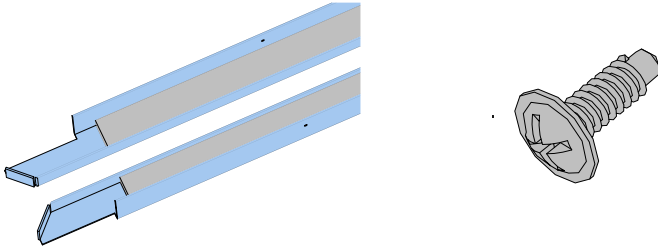
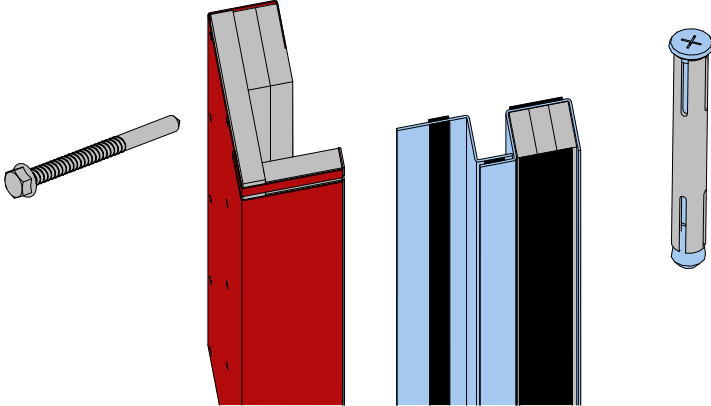
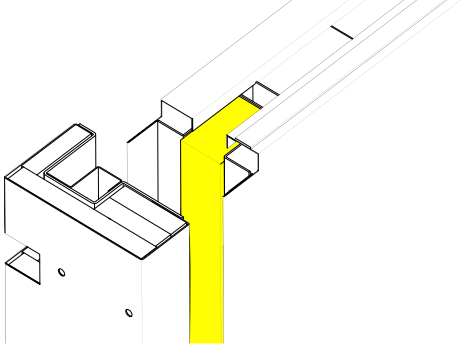
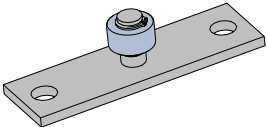
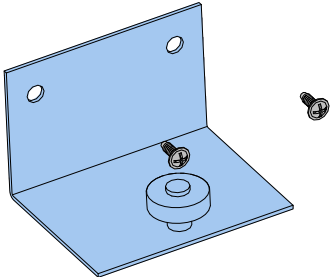
FOR GATE WITH WICKET DOOR SEE ALSO SECTION NR 11

1.4 LIST OF PARTS. AMOUNTS OF ELEMENTS DEPENDS ON TYPE AND DIMENTIONS OF GATE.

IMAGE	DESCRIPTION
	<p>RUN RAILS. TWO TYPES. CONSTANT LENGHT 3000MM AND RESULTING LENGTH, DEPENDS ON WITDH OF GATE.</p> <p>NUTS M10 AND WASHERS FOR FIXING BRACKETS ON THE RAILS</p>
	<p>RAIL BRACKETS. SUNGLE FOR SIDES OF RAIL. AND DOUBLE BRACKETS AT CONNECTION OF RAILS</p> <p>STEEL ANCHOR M10 x 105. USE TO FIX BRACKETS TO WALL.</p>
	<p>RAIL CONNECTOR. SELF DRILLING SCREWS $\varnothing 4,2 \times 13$.</p>
	<p>INTUMESCENT STRIP 15 x 2 MM INSIDE RAIL, ONLY IN THE AREA OF WALL OPENING. DELIVERED ON ROLL.</p>
	<p>PANELS. UPPER CONNECTOR FOR PANELS. WASHERS AND SCREWS M6x30 DIN912</p>
	<p>STEEL CORD. SELF TAPPING SCREW $\varnothing 6,3$. SCREWS AND NUTS FOR ENDING THE ROPE.</p>
	<p>WOODEN BLOCK INCLUDED IN DELIVERY. TOGETHER WITH PANELS AS A SPACER IN AIM TO SECURE PANEL.</p> <p>BELTS ARE NOT INCLUDE IN DELIVERY</p>

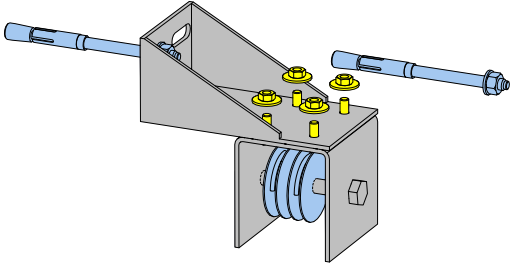
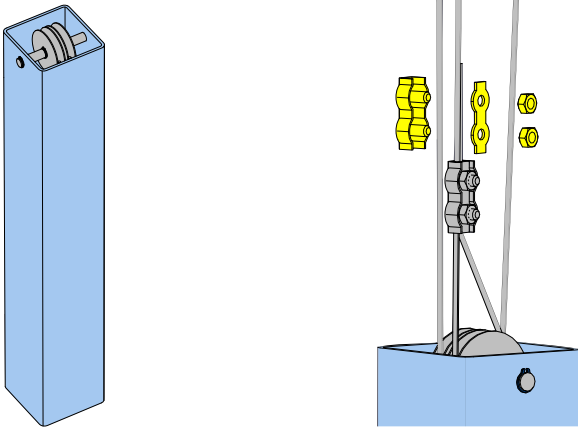
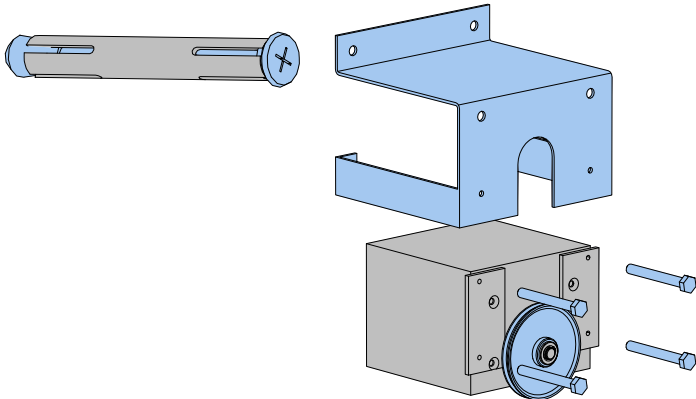
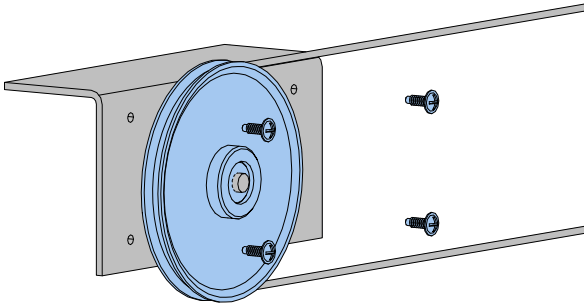
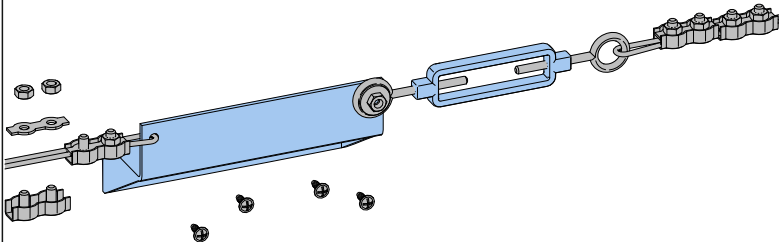
1.4a

C.D. LIST OF PARTS. AMOUNTS OF ELEMENTS DEPENDS ON TYPE AND DIMENTIONS OF THE GATE.

IMAGE	DESCRIPTION
	BOTTOM PROFILE CONNECTORS FOR JOINING PANELS MARKED „A”. SELF DRILLING SCREWS $\varnothing 4.2 \times 13$
	BOTTOM PROFILE CONNECTORS FOR JOINING PANELS MARKED „B”. SELF DRILLING SCREWS $\varnothing 4.2 \times 13$
	LEAF LABIRYNTH ELEMENTS (MARKED RED) AND WALL LABIRYNTH ELEMENTS (MARKED BLUE) FOR BOTH SIDES OF THE GATE SELFDILLING SCREW $\varnothing 6.3 \times 75$ FOR MOUNTING LEAF FIRE TIGHT ELEMENTS AT THE REAR OF GATE LEAVES $\varnothing 10 \times 112$ ANCHORS FOR FIXING REAR WALL FIRE TIGHT ELEMENTS
	MINERAL WOOL (MARKED YELLOW) FOR TIGHTENING CONNECTION BETWEEN PANEL AND LEAG GATE REAR ELEMENT
	FLOOR ROLL. ONE PIECE FOR EACH GATE LEAF
	DRIVE IN ROLL INSIDE LEAF „A”. SELF TAPPING SCREWS $\varnothing 4,2 \times 13$

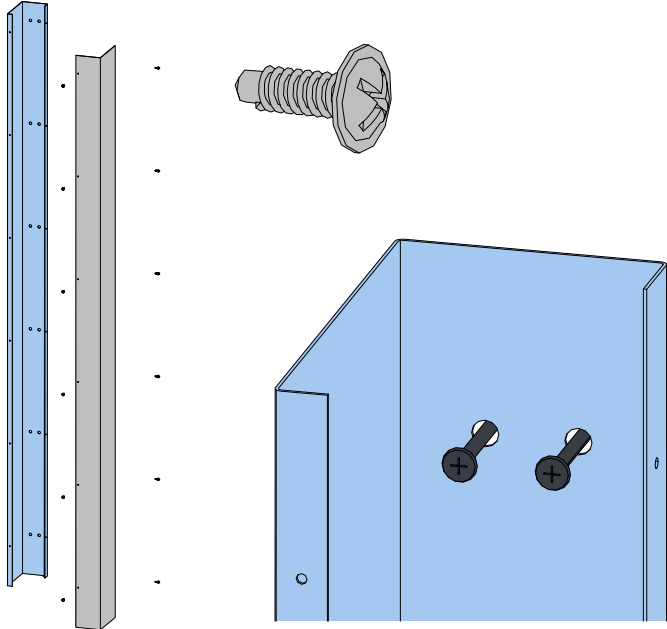
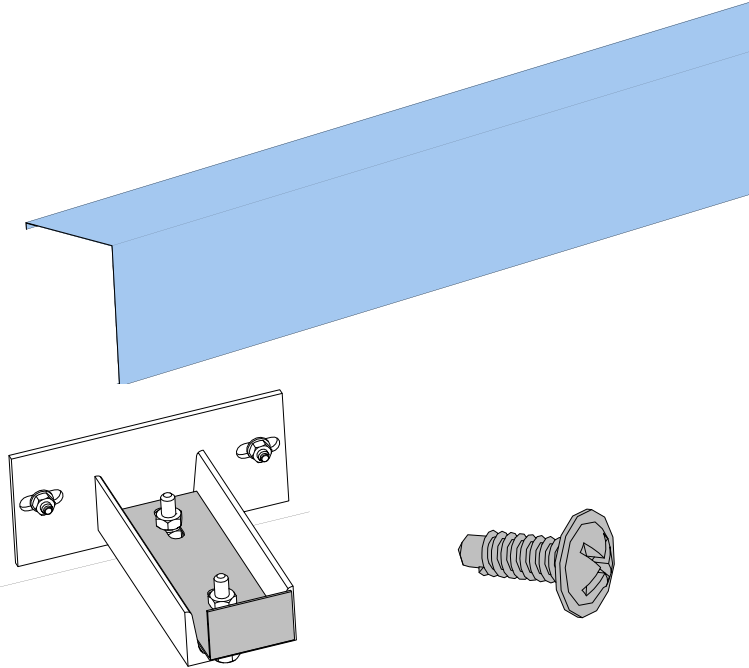
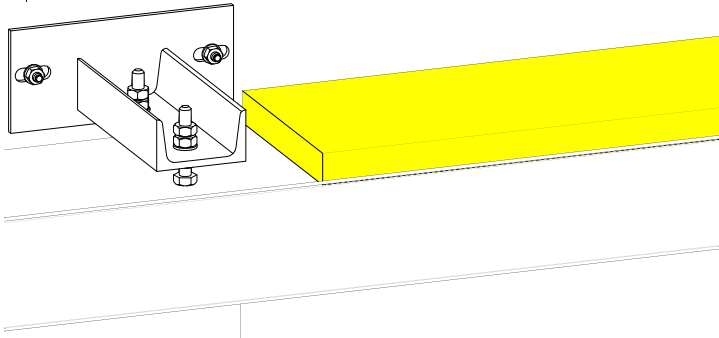
1.4b

C.D. LIST OF PARTS. AMOUNTS OF ELEMENTS DEPENDS ON TYPE AND DIMENTIONS OF THE GATE.

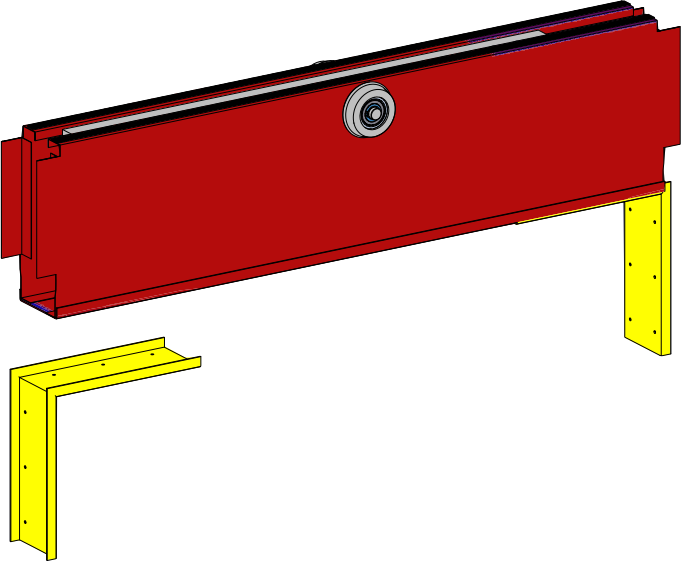
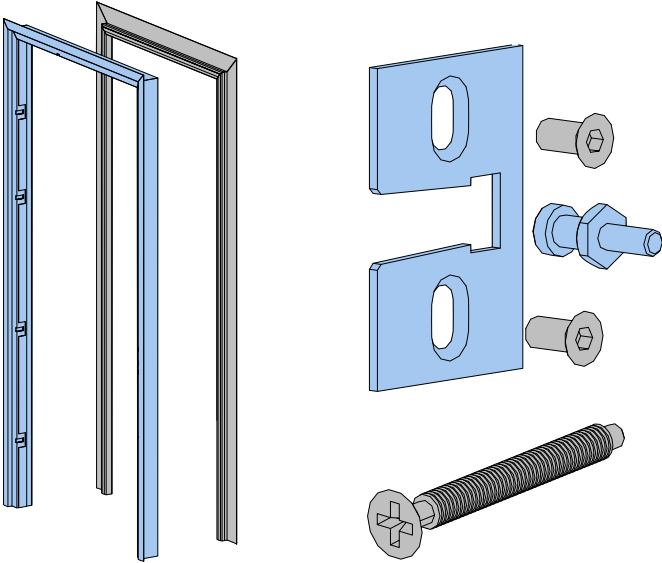
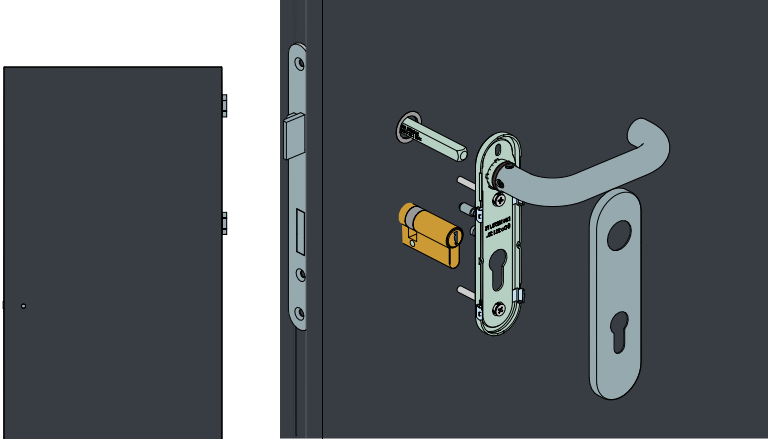
IMAGE	DESCRIPTION
	<p>ROLLER BRACKETS FOR COUNTERWEIGHTS. ONE PIECE FOR EACH GATE LEAF.</p> <p>STEEL ANCHOR M10 x 105.</p>
	<p>COUNTERWEIGHTS. ONE PIECE FOR EACH GATE LEAF. JOINING SCREW ELEMENTS FOR FIXING STEEL ROPE.</p>
	<p>ERPZ - SPEED GATE LEAF CONTROLLER WITH INTEGRATED ELECTRO MAGNET</p> <p>WALL BRACKET FOR ERPZ</p> <p>Ø10 X 112 ANCHORS</p>
	<p>OPPOSITE ROLLER FOR ERPZ. STEEL CORD. SELF TAPPING SCREWS Ø4,2x13 OR STEEL RIVETS Ø4.</p>
	<p>BRACKETS FOR COUNTERWEIGHTS. ONE PIECE FOR EACH GATE LEAF.</p>

1.4c

C.D. LIST OF PARTS. AMOUNTS OF ELEMENTS DEPENDS ON TYPE AND DIMENTIONS OF THE GATE.

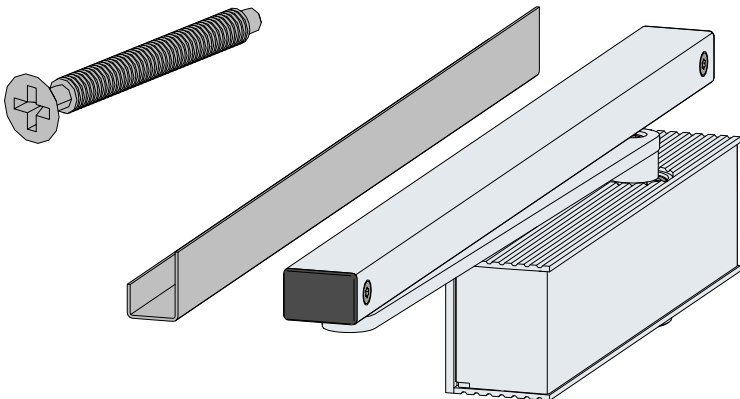
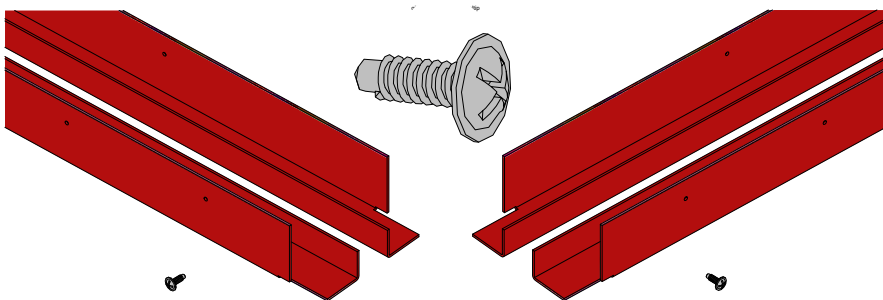
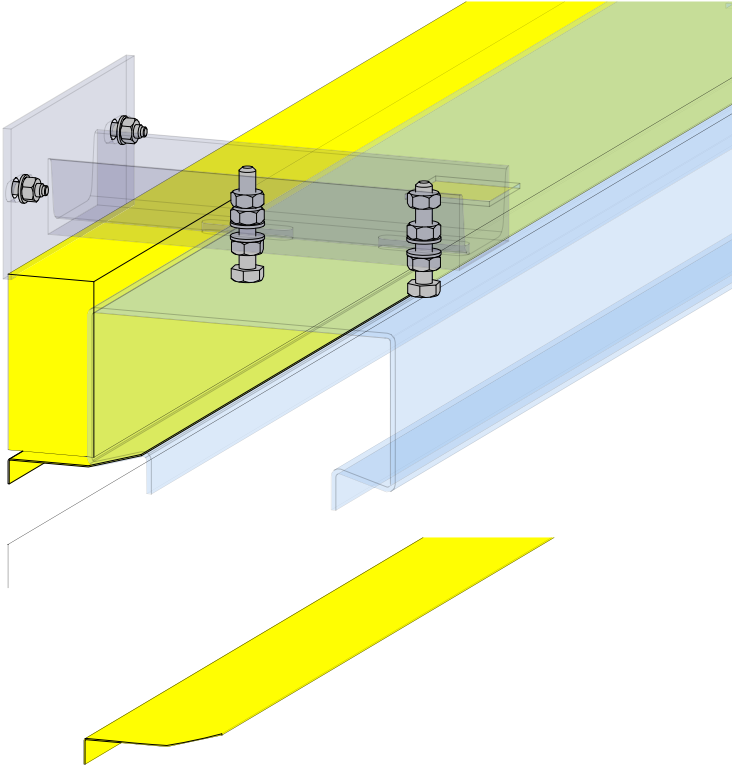
IMAGE	DESCRIPTION
	<p>COVERS FOR COUNTERWEIGHTS. ONE PIECE FOR EACH GATE LEAF.</p> <p>ANCHORS $\varnothing 6$ AND SELF DRILLING SCREWS $\varnothing 4,2 \times 13$ (OR STEEL RIVETS $\varnothing 4$).</p>
	<p>RAIL COVER AND BRACKETS.</p> <p>WASHERS AND NUTS M10 2 FOR FIXING BRACKETS AND 2 PIECES SCREW $\varnothing 4,2 \times 13$ (OR $\varnothing 4$ STEEL RIVETS) PER EACH BRACKET</p>
	<p>MINERAL WOOL ABOVE RAIL. ONLY OVER WALL OPENING</p>

1.4d C.D. LIST OF PARTS IN CASE WICKET DOOR IN THE GATE LEAF. AMOUNTS OF ELEMENTS DEPENDS ON TYPE AND DIMENTIONS OF THE GATE.

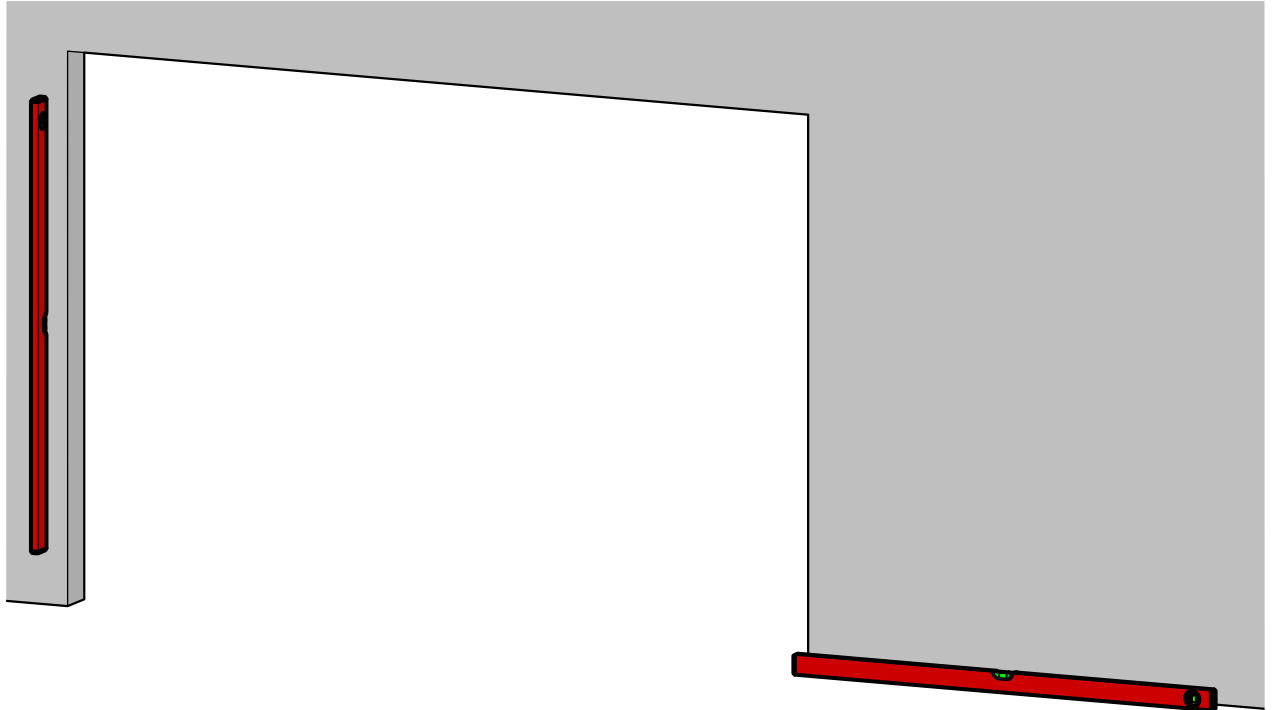
IMAGE	DESCRIPTION
	<p>SHORT PANEL, CORNER REINFORCEMENT CONNECTORS. STEEL RIVETS $\varnothing 4$.</p>
	<p>DOUBLE-ELEMENT DOOR FRAME WITH STRIKE PLATES.</p> <p>SAFETY PINS.</p> <p>SELF TAPPING SCREWS $\varnothing 6,3 \times 60$ FOR MOUNTING DOOR FRAME.</p>
	<p>DOOR LEAF WITH HINGES. STAINLESS STEEL HANDLE. CYLINDER.</p>

1.4d

C.D. LIST OF PARTS IN CASE WICKET DOOR IN THE GATE LEAF. AMOUNTS OF ELEMENTS DEPENDS ON TYPE AND DIMENTIONS OF THE GATE.

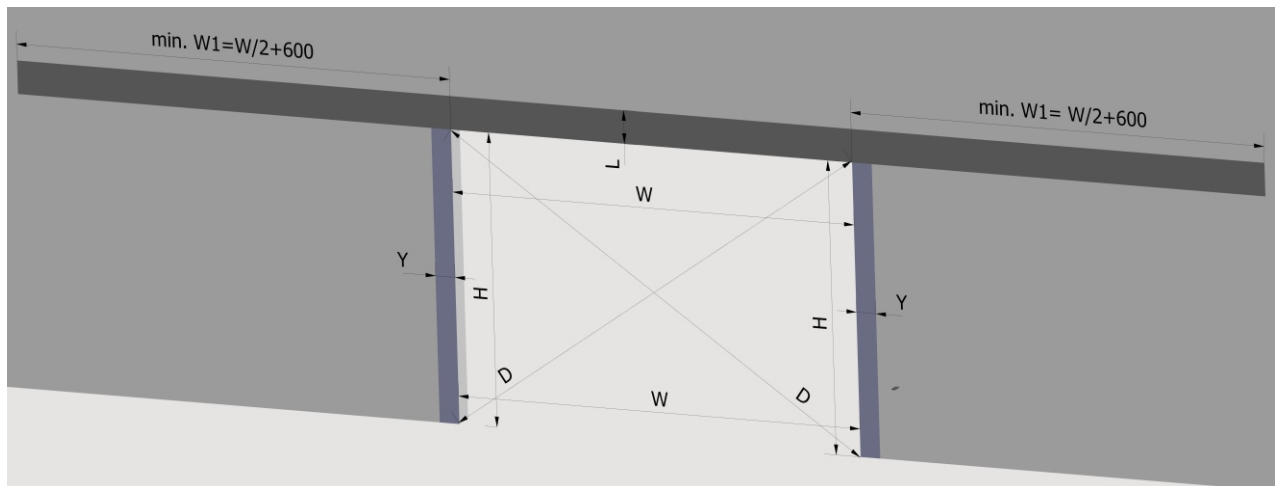
IMAGE	DESCRIPTION
	<p>DOOR CLOSER AND SPACER L=460MM.</p> <p>SELF DRILLING SCREW $\varnothing 6,3 \times 60$</p>
	<p>BOTTOM PROFILE CONNECTORS ARE DIFFERENT THAN FOR GATE WITHOUT EVACUATION DOOR.</p> <p>SELF DRILLING SCREWS $\varnothing 4,2 \times 13$ (OR STEEL RIVETS $\varnothing 4$).</p>
	<p>ROCKWOLL FOR FILLING GAP BETWEEN WALL AND RAIL PROFILE</p> <p>PAINTED BOTTOM COVER</p>

2 CHECK THE WALL OPENING



THE LEVEL OF SLIDING RAIL SHOULD BE ROUTED WITH REFERENCE TO FINAL FLOOR LEVEL. IN CASE OF UNEVEN FLOOR THE SLIDING RAIL SHALL BE LIFTED.

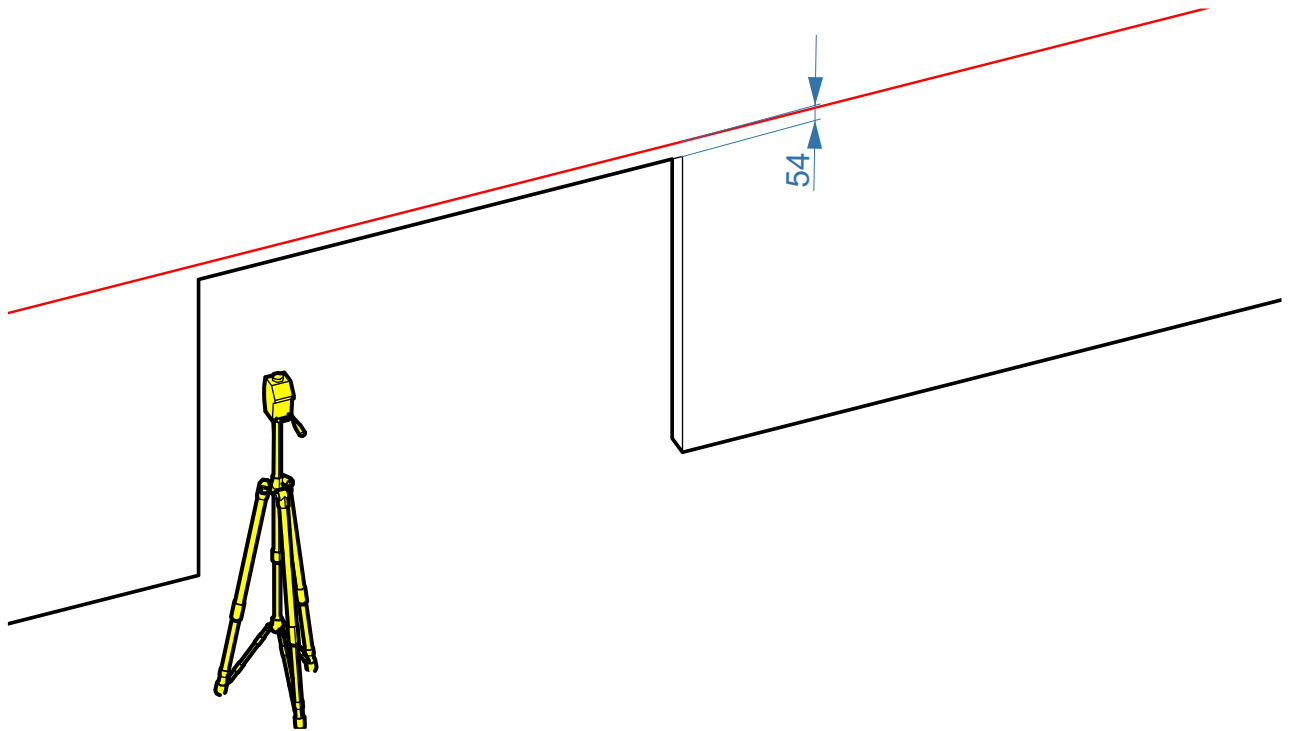
2.1 DOUBLE LEAF SLIDING GATE. PLEASE CALCULATE/CHECK MINIMAL FREE SPACE FOR SLIDING LEAF



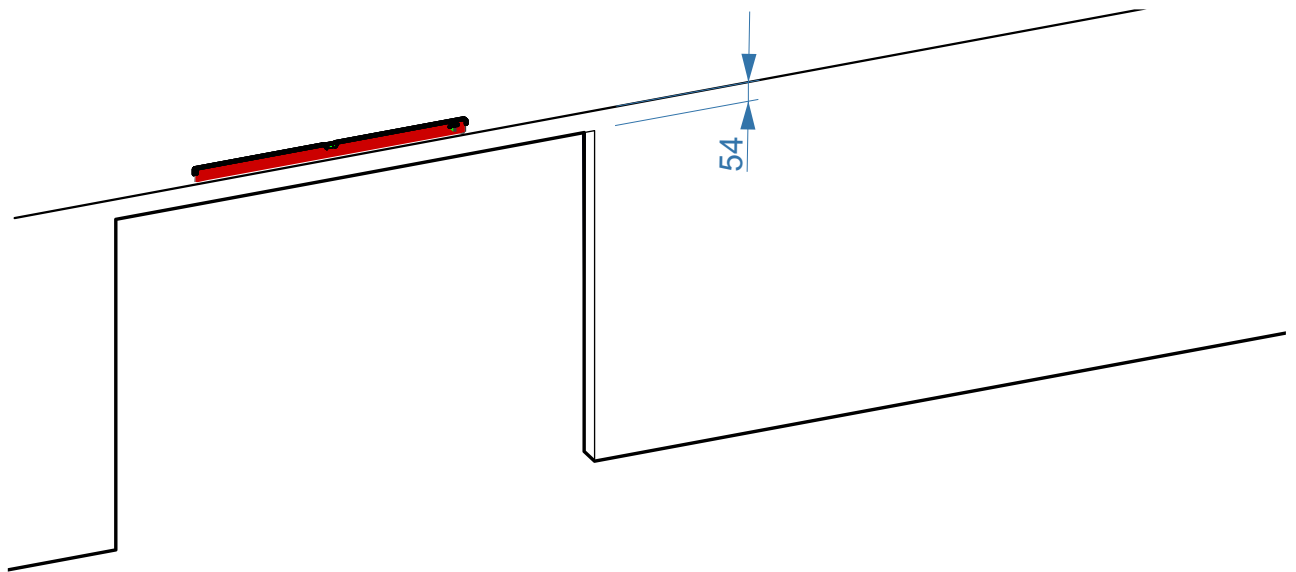
- W - WIGHT OF CLEAR STRUCTURAL OPENING
- H - HEIGHT OF CLEAR STRUCTURAL OPENING
- D - CHECK DIAGONALS, BOTH MUST BE EQUAL
- X - SPACE FOR REAR WALL FIRE TIGHT ELEMENTS
- Y - SPACE FOR REAR WALL FIRE TIGHT ELEMENTS
- W1 - REQUIRED MINIMAL SPACE FOR SLIDING LEAF
- L - LINTEL (MINIMUM 250MM)

3 MARKING PLACES FOR RAIL AND FRONT FIRE TIGHT ELEMENT

3.1 USE LASER TO MARK

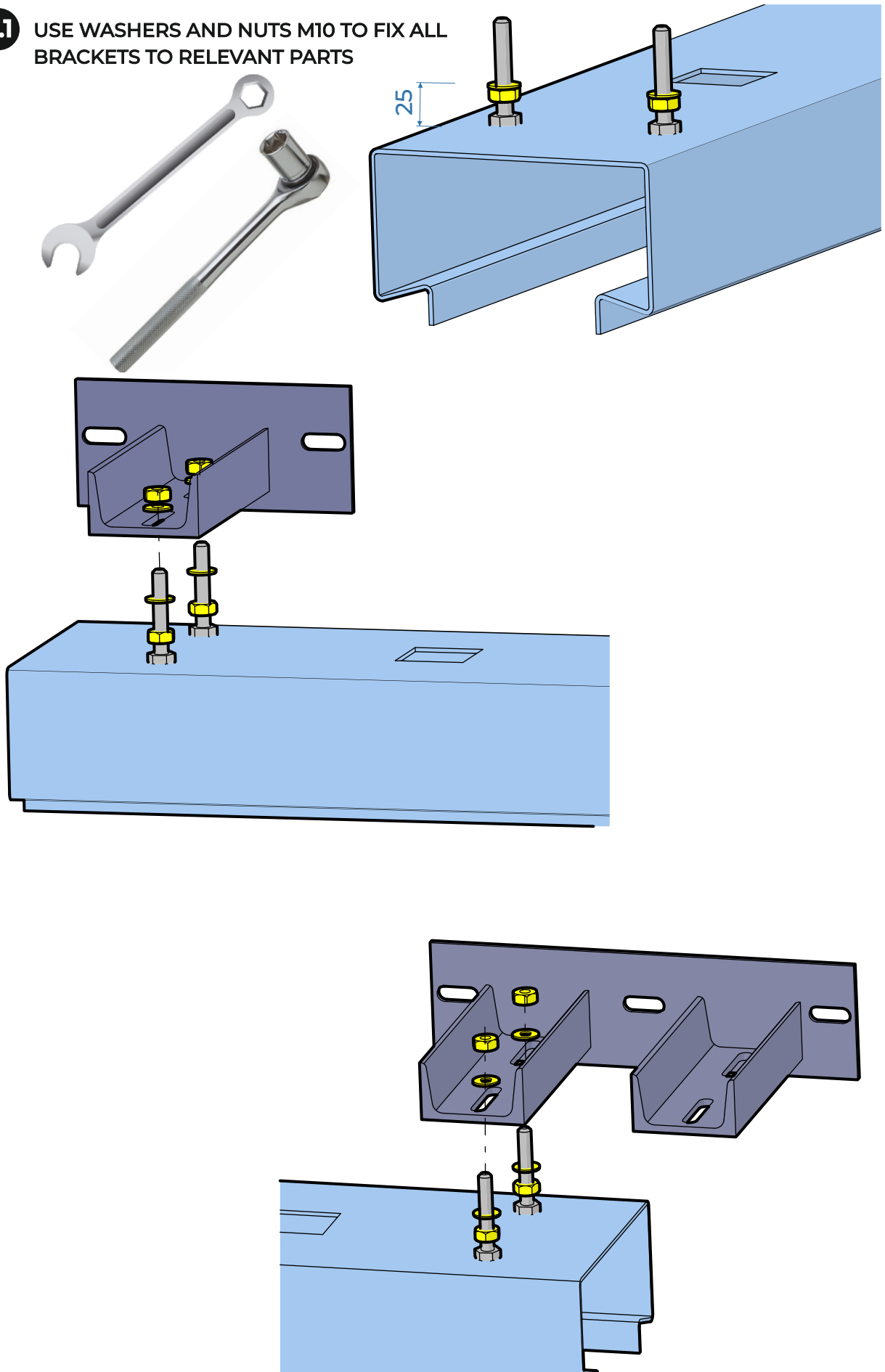


3.2 USE HAND LEVEL TO MARK

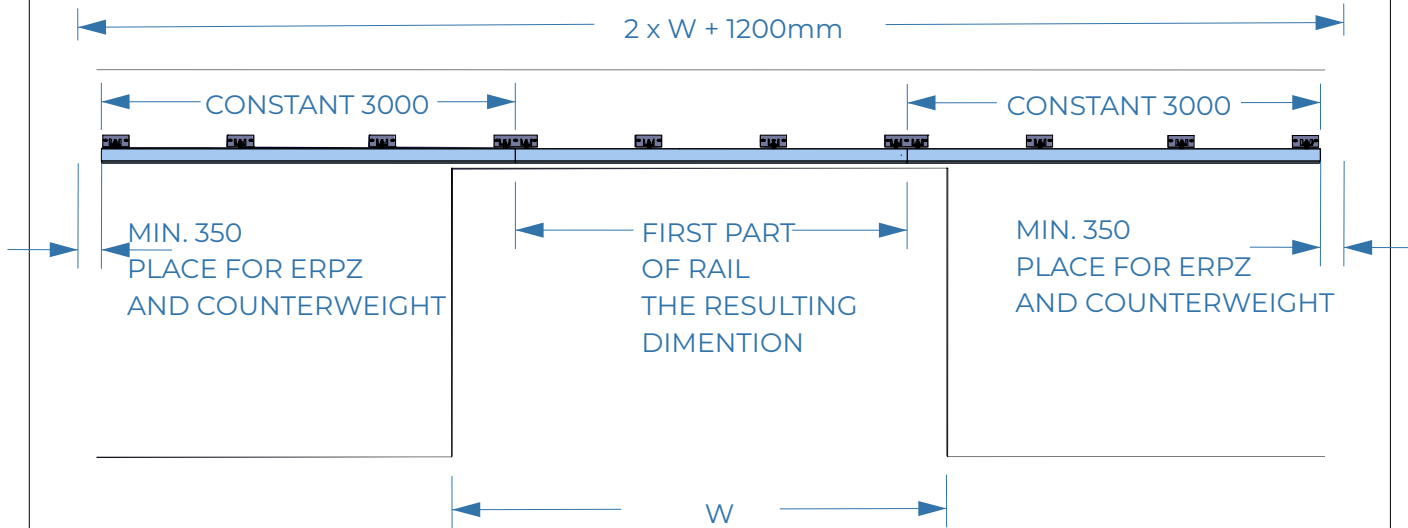


4 ASSEMBLING AND FIXING OF THE RUNNING RAIL

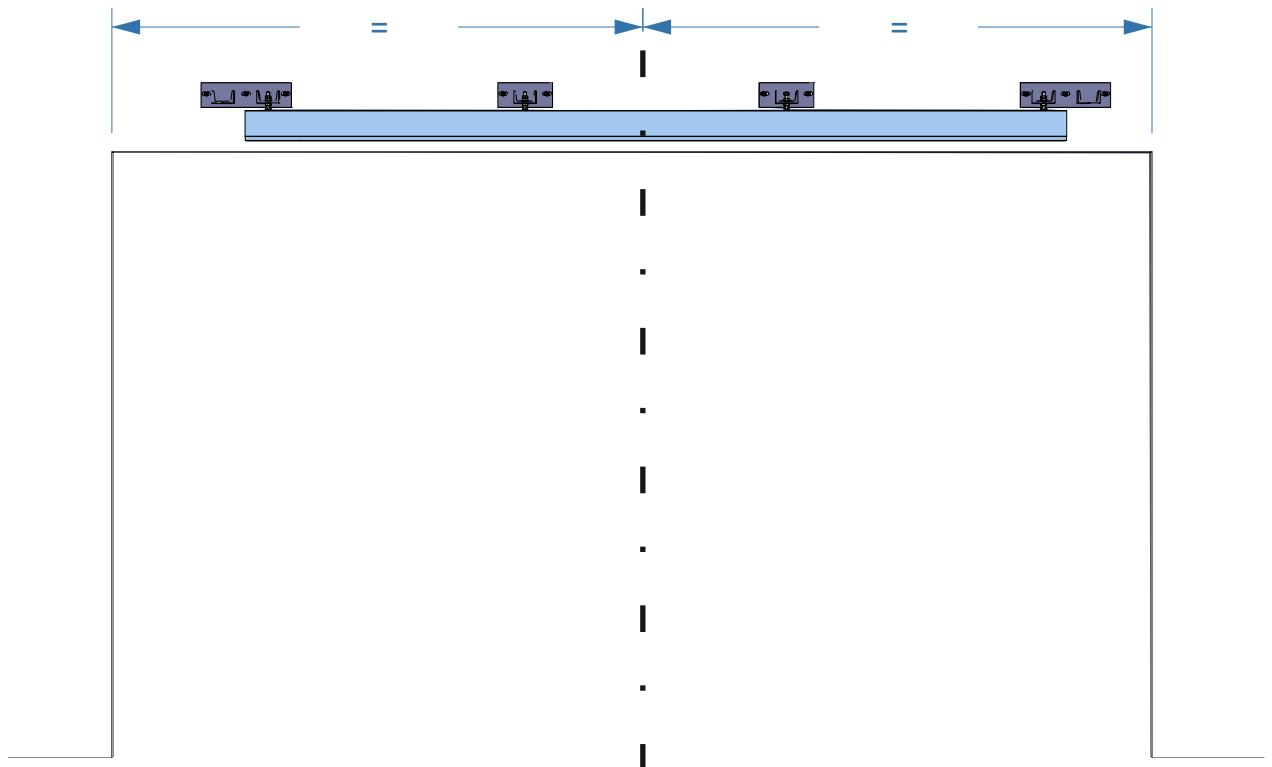
4.1 USE WASHERS AND NUTS M10 TO FIX ALL BRACKETS TO RELEVANT PARTS

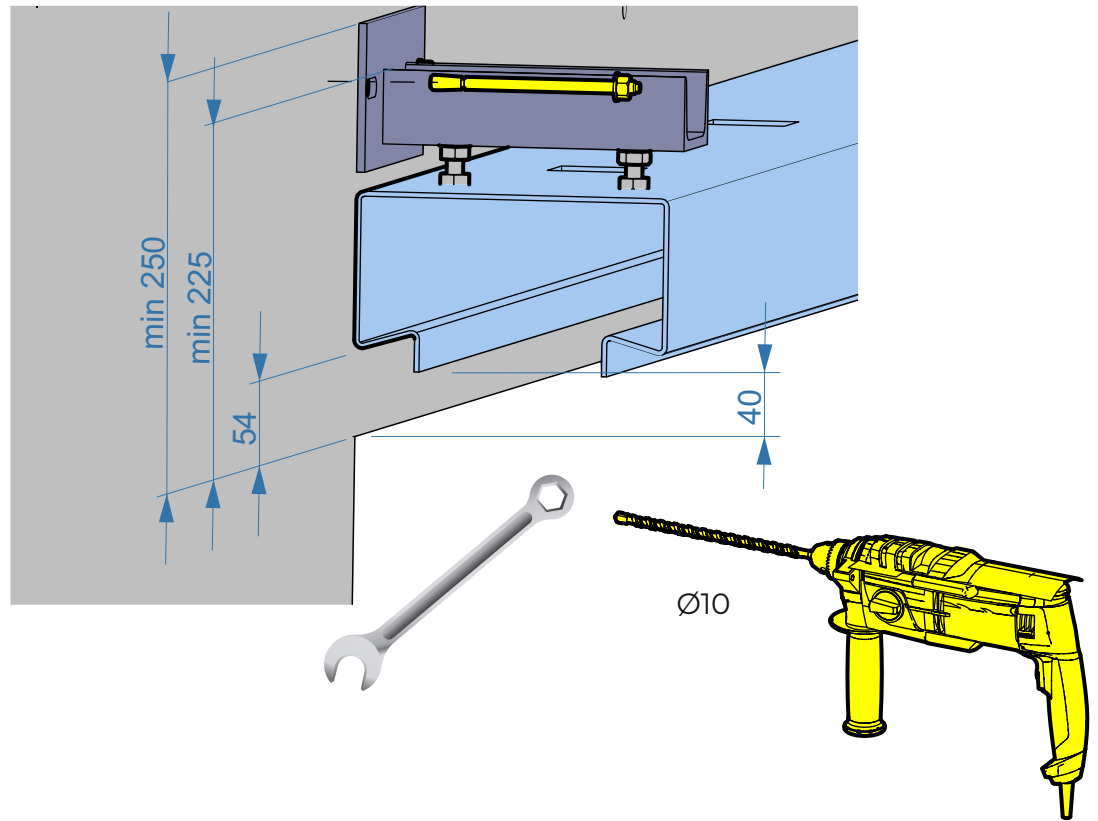


4.2 GENERAL VIEW AND MAIN DIMENSIONS

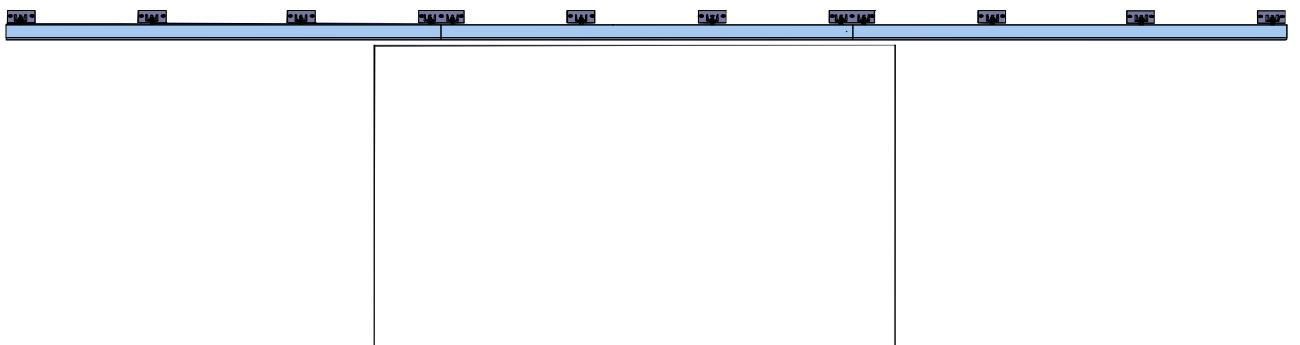
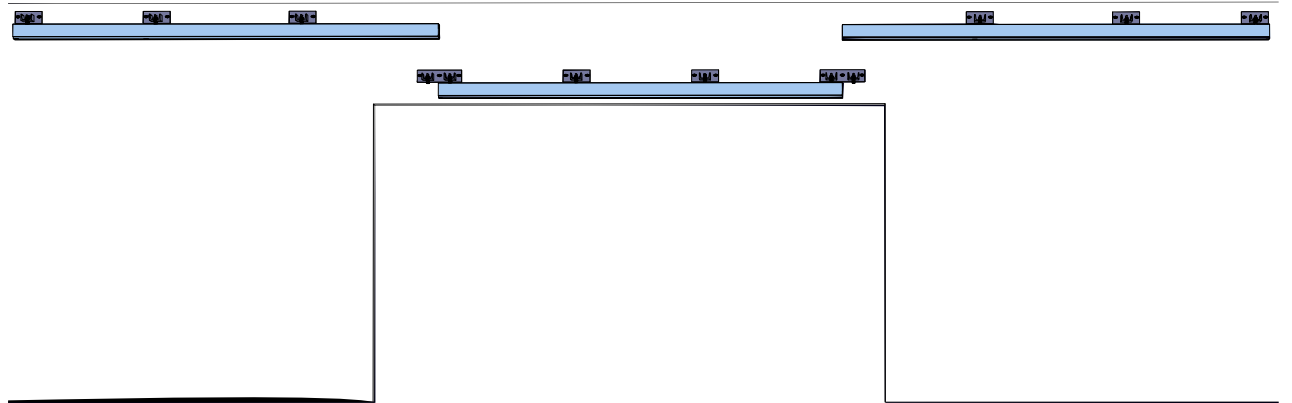


4.3 DIMENTIONS FOR FIXING FIRST (SHORTEST ONE) PART OF RAIL. USE M10 x 105 ANCORS

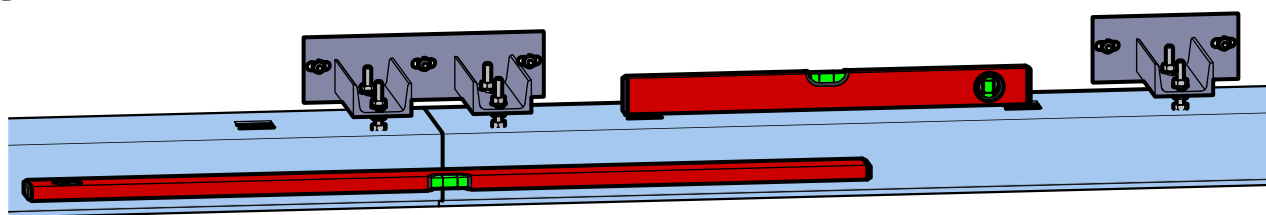




4.4 FIXING NEXT PARTS (CONSTANT LENGTH 3000MM) OF RAIL.

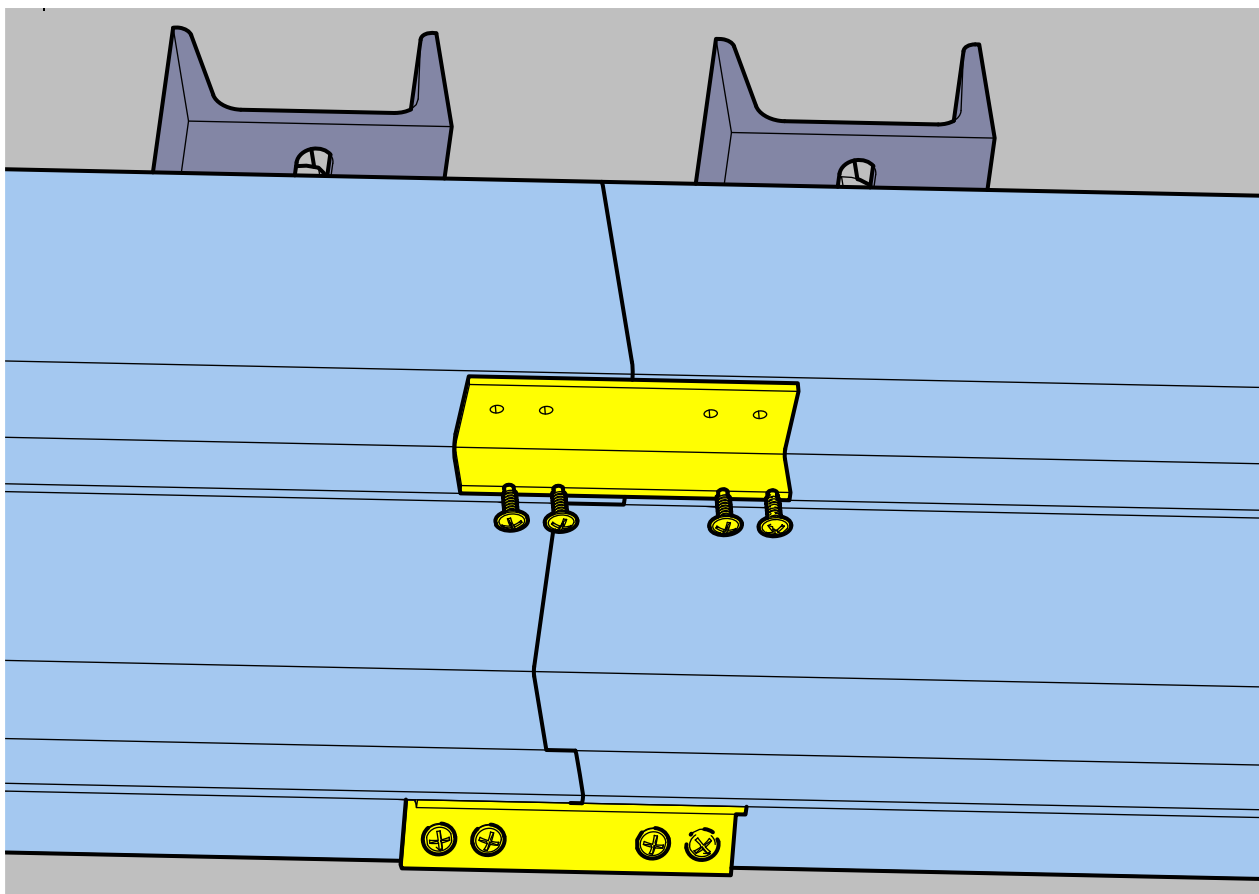
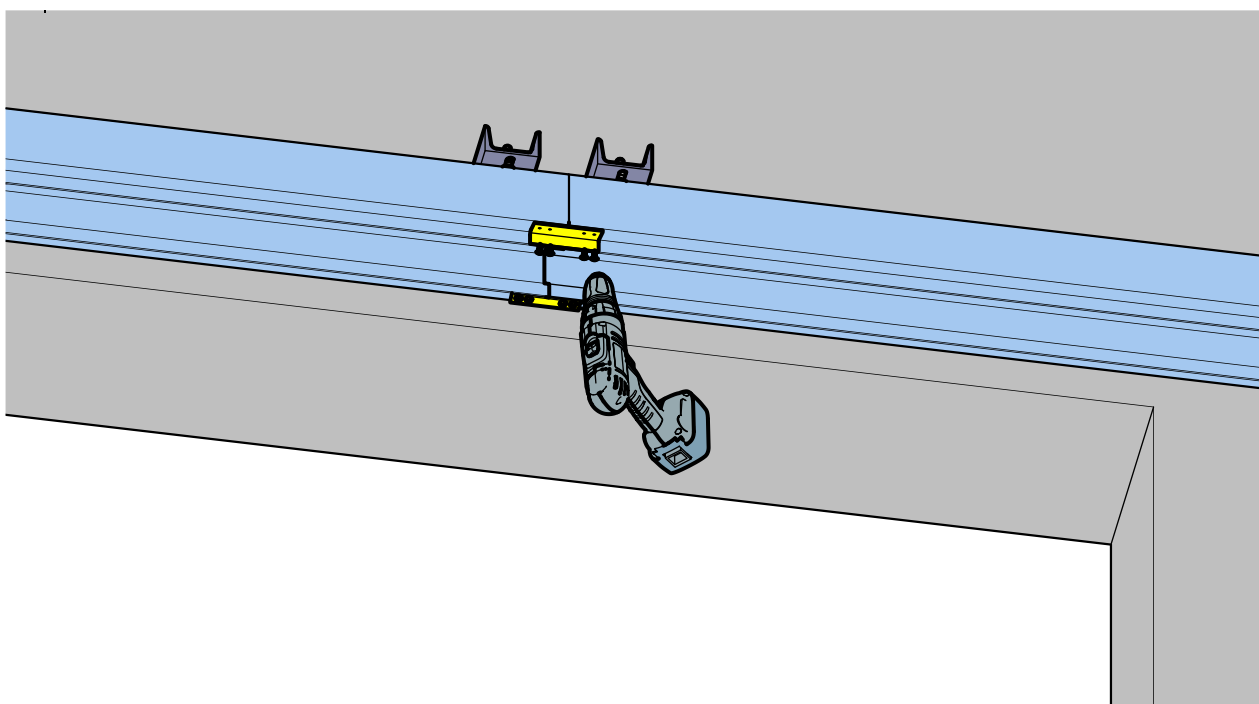


4.5 CHECK ALIGNMENT AND HORIZONTAL LEVEL OF RAILS.

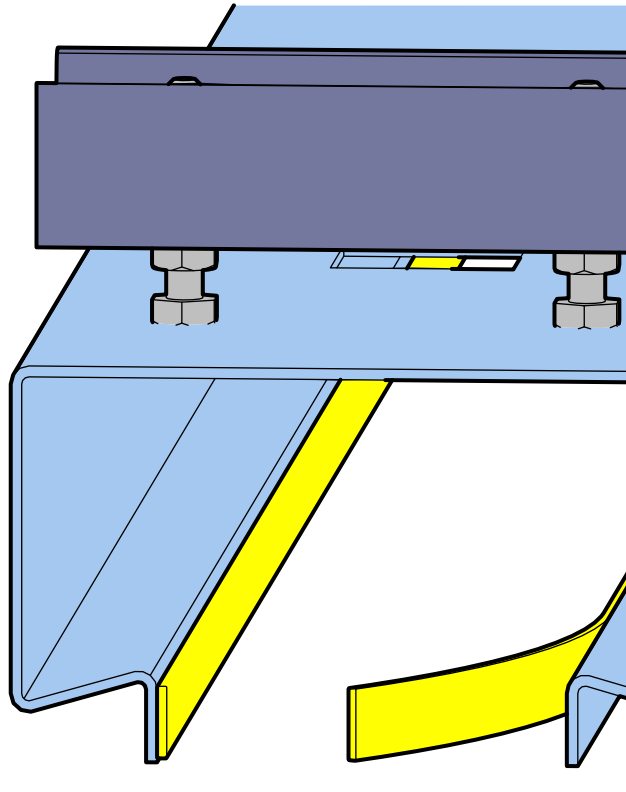


ALIGNMENT CONNECTION OF RAILS

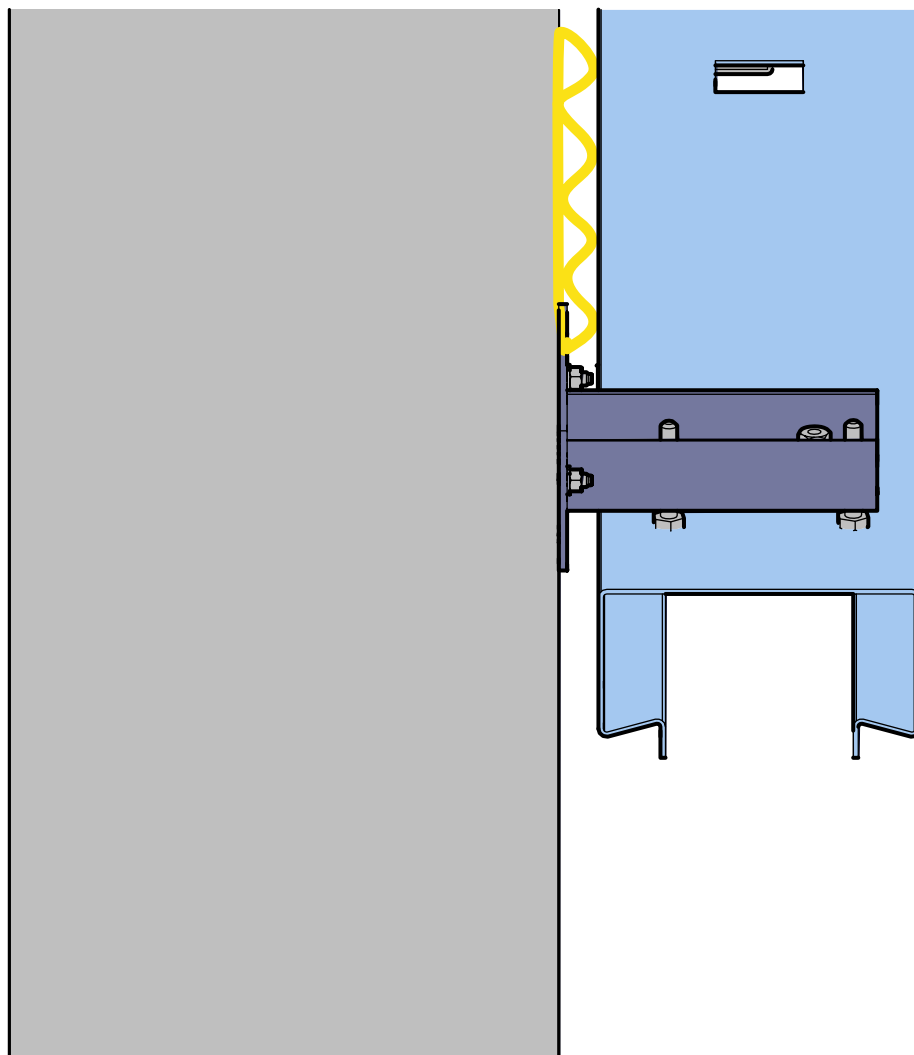
4.6 JOINT PARTS OF RAILS WITH RAIL CONNECTOR. USE SELF TAPPING SCREWS $\varnothing 4,2 \times 13$



4.7 GLUEING INTUMESCENT STRIP 15 x 2 MM INSIDE RAIL, ONLY IN THE AREA OF WALL OPENING

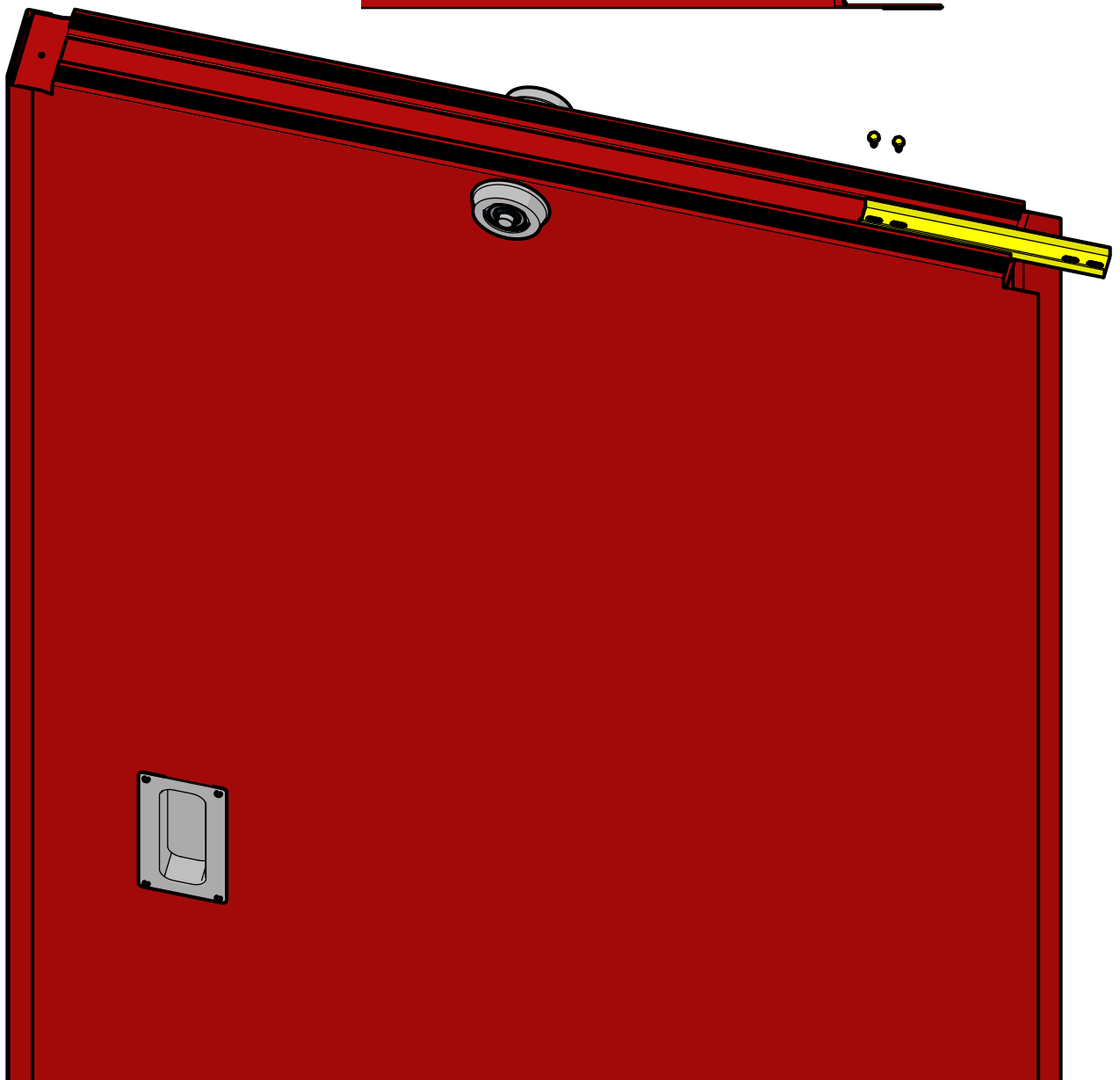
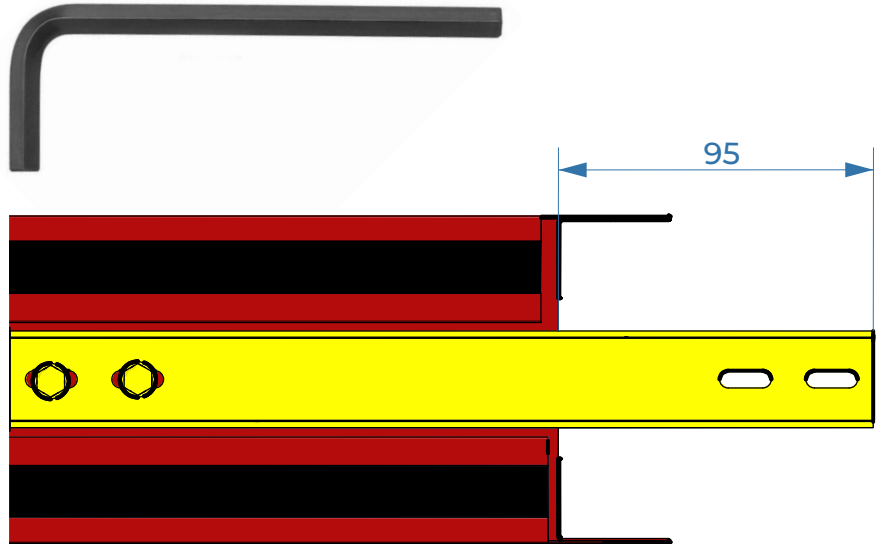
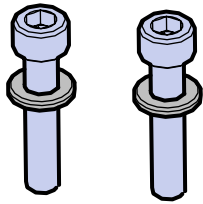


4.8 FILL WITH ROCKWOOL ANY GAPS AND ALL SPACES BETWEEN WALL AND GATE RAIL. ONLY OVER THE AREA WALL OPENING

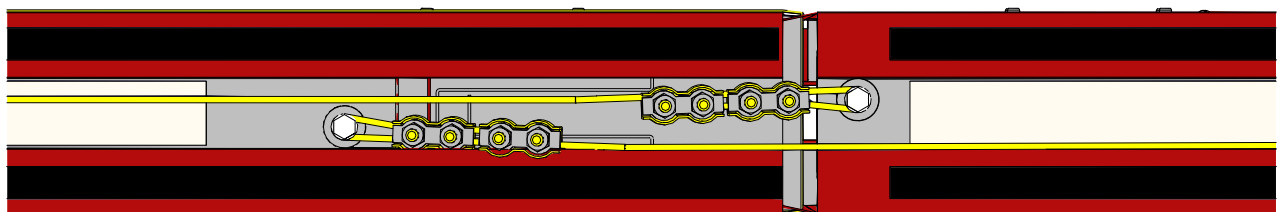
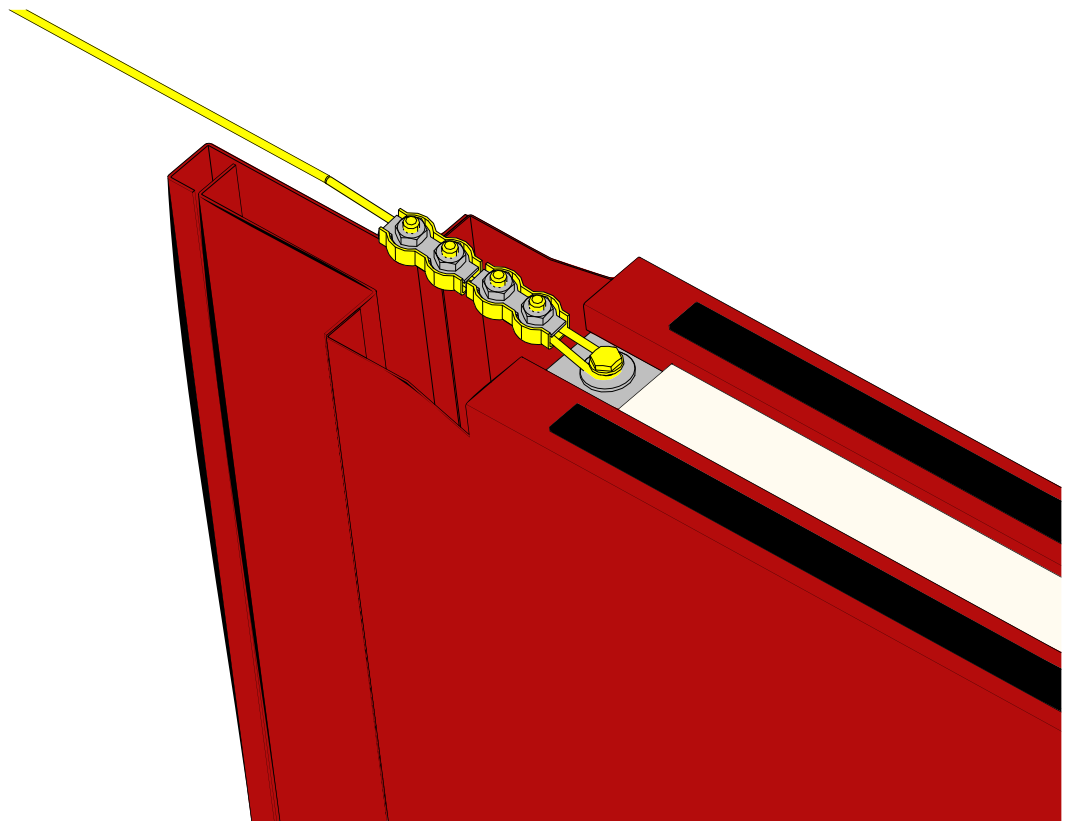
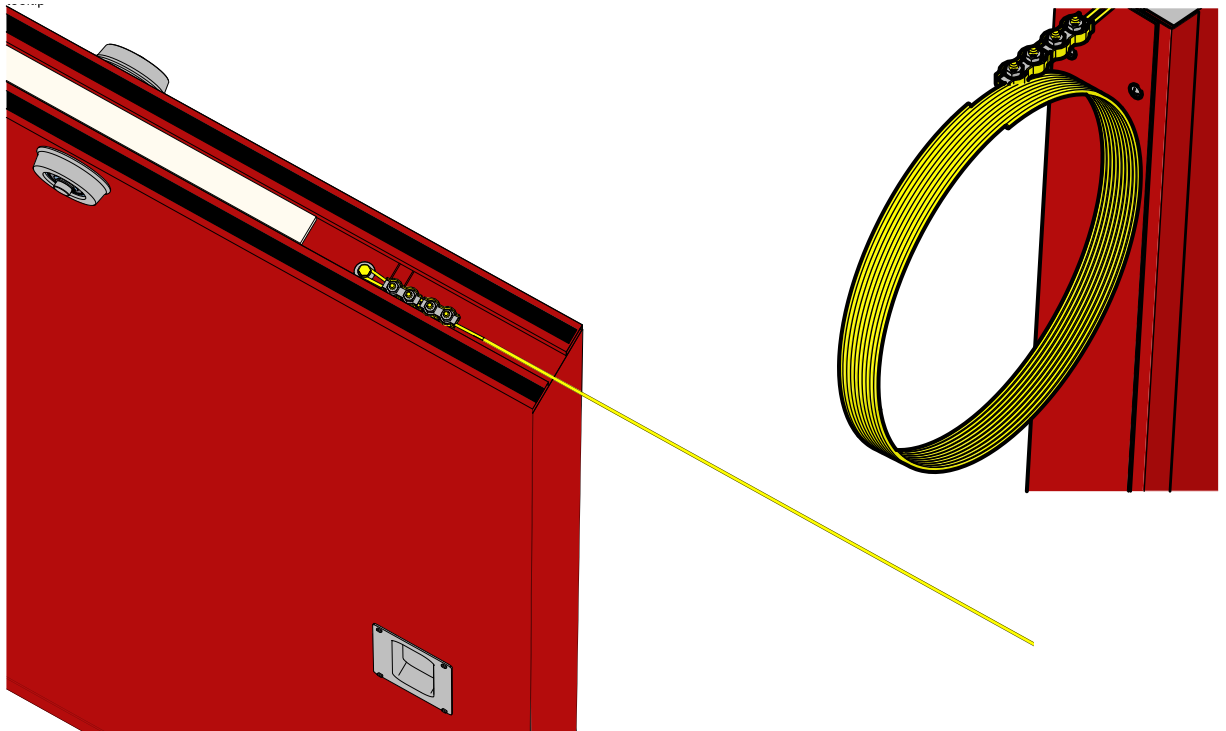


5 LEAF ASSEMBLING

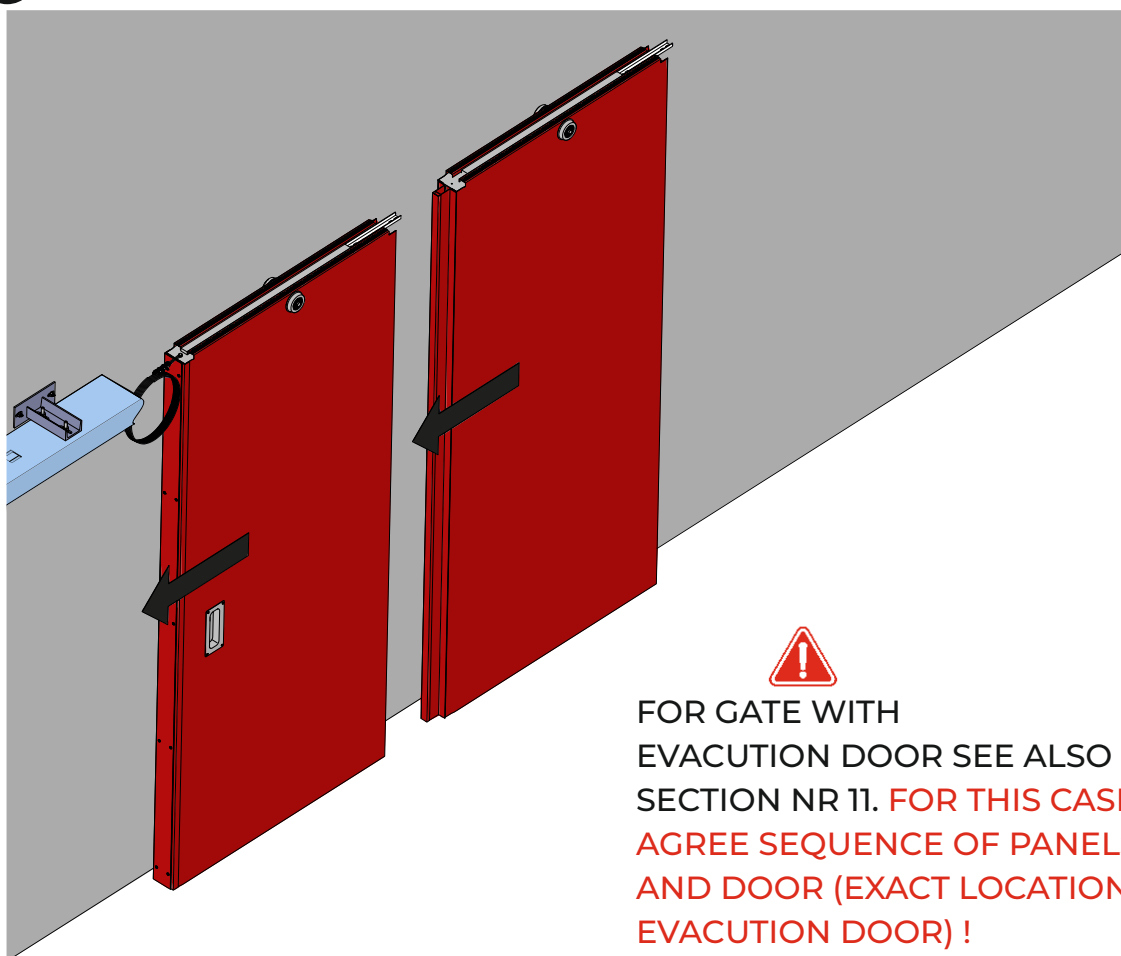
- 5.1** IDENTIFY FIRST PANEL (A1 OR B1) ON LABEL LOCATED ON EDGES OF PANELS.
SCREW UPPER CONNECTOR. USE ALLEN KEY WASHERS AND SCREWS M6x30 DIN912
(2PCS PER PANEL)



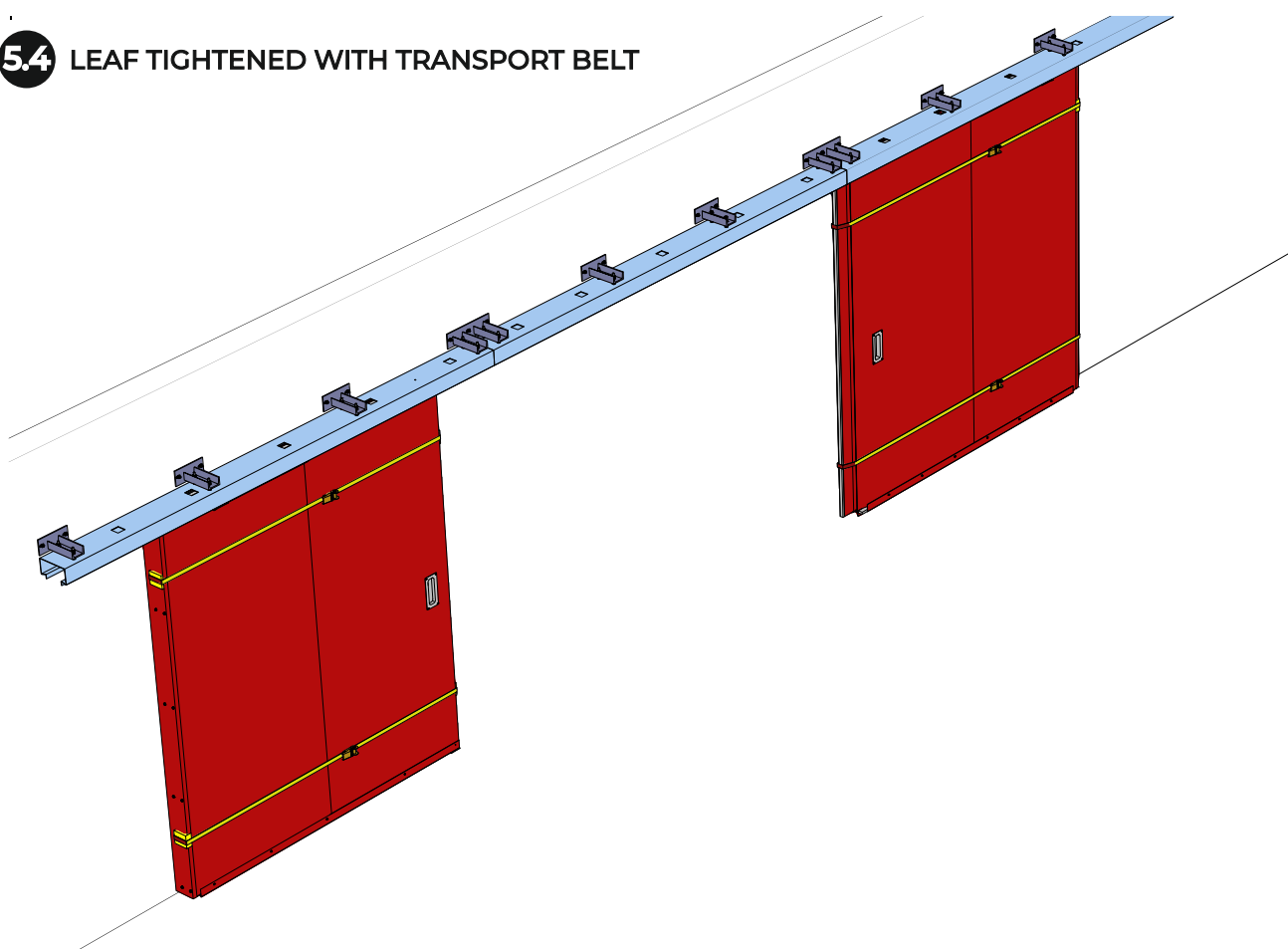
5.2 USING SELFDRILLING SCREW $\varnothing 6,3$ TO MOUNT STEEL CORD ON FRONT OF BOTH PANELS

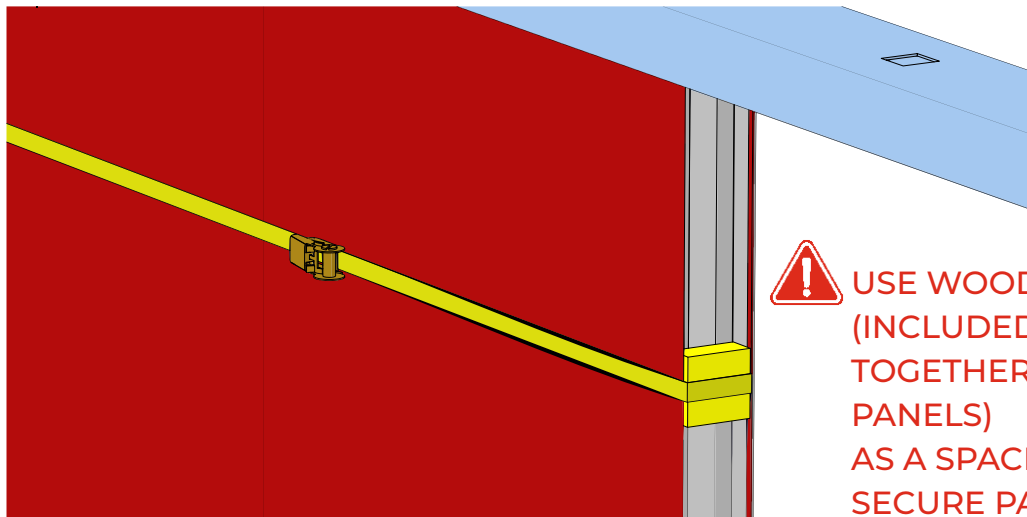


5.3 ENTER PANELS INSIDE RAIL



5.4 LEAF TIGHTENED WITH TRANSPORT BELT



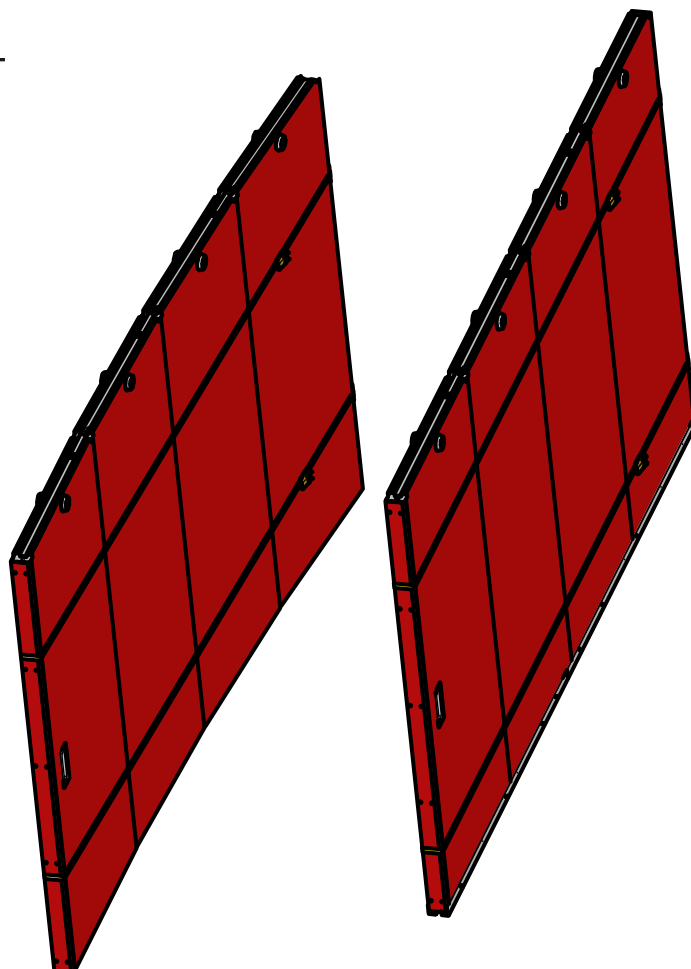


! USE WOODEN BLOCK
(INCLUDED IN DELIVERY
TOGETHER WITH
PANELS)
AS A SPACER IN AIM TO
SECURE PANEL

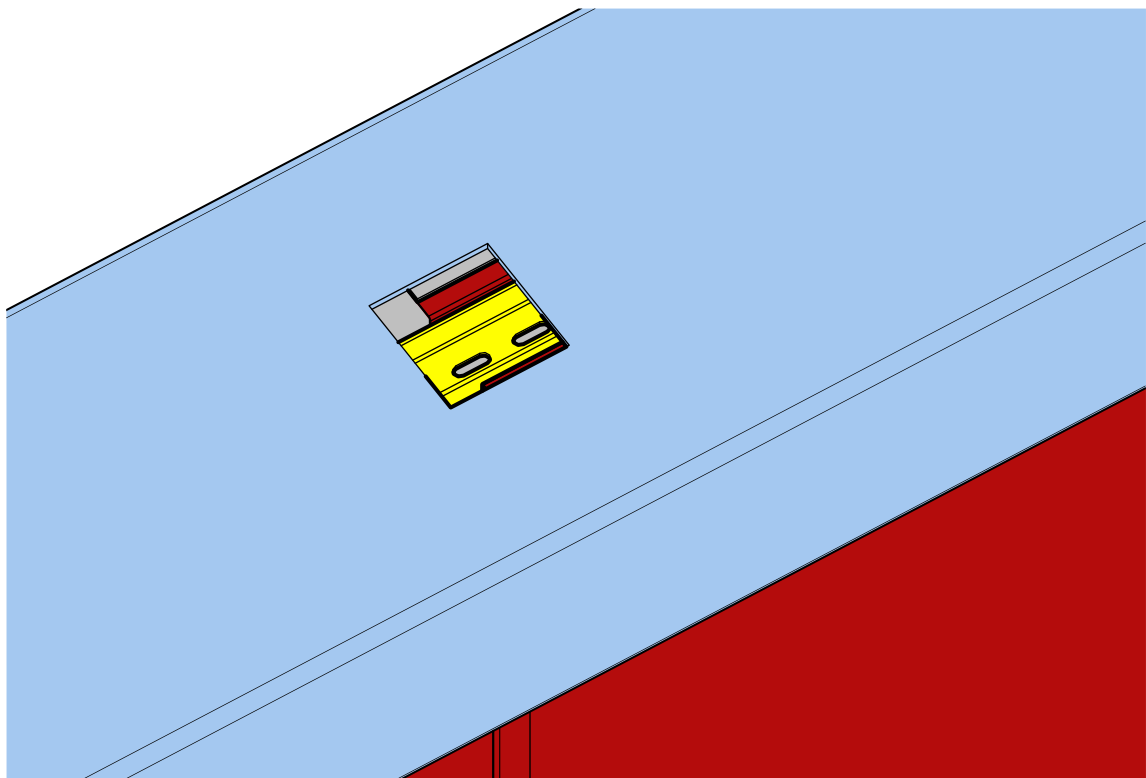
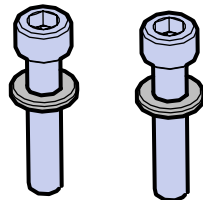
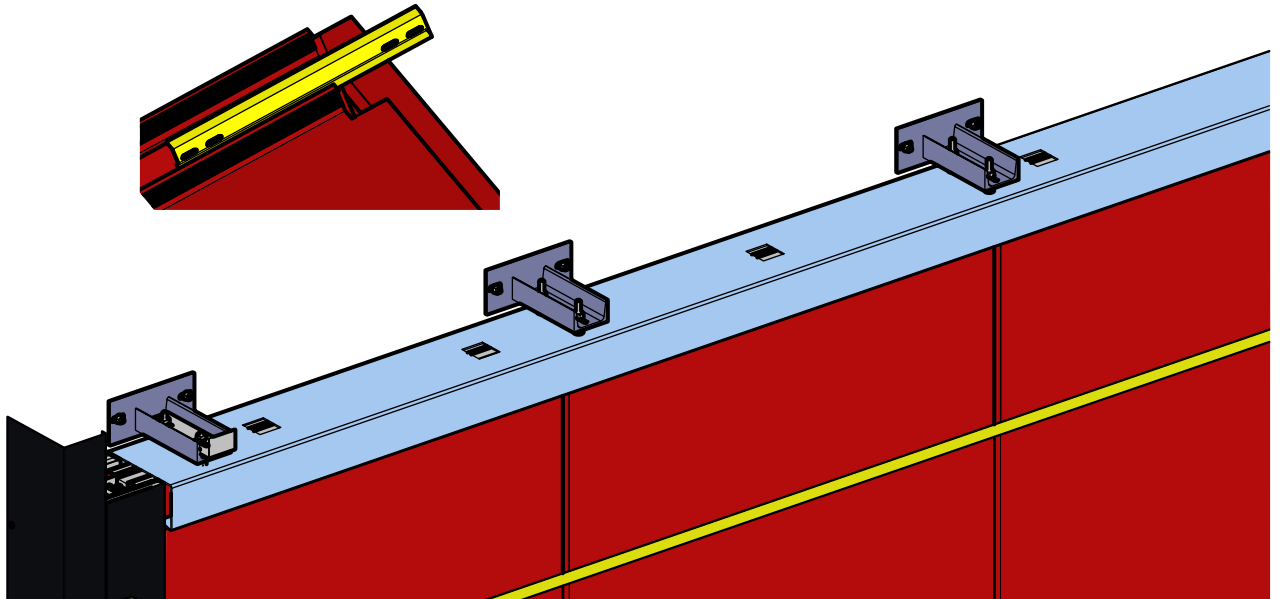
5.5 CHECK AND MIND ALIGNMENT OF PANELS AT THE BOTTOM OF GATE. ALSO CHECK PARALLEL PANEL LOCATION ONE IN RELATIVE TO SECOND



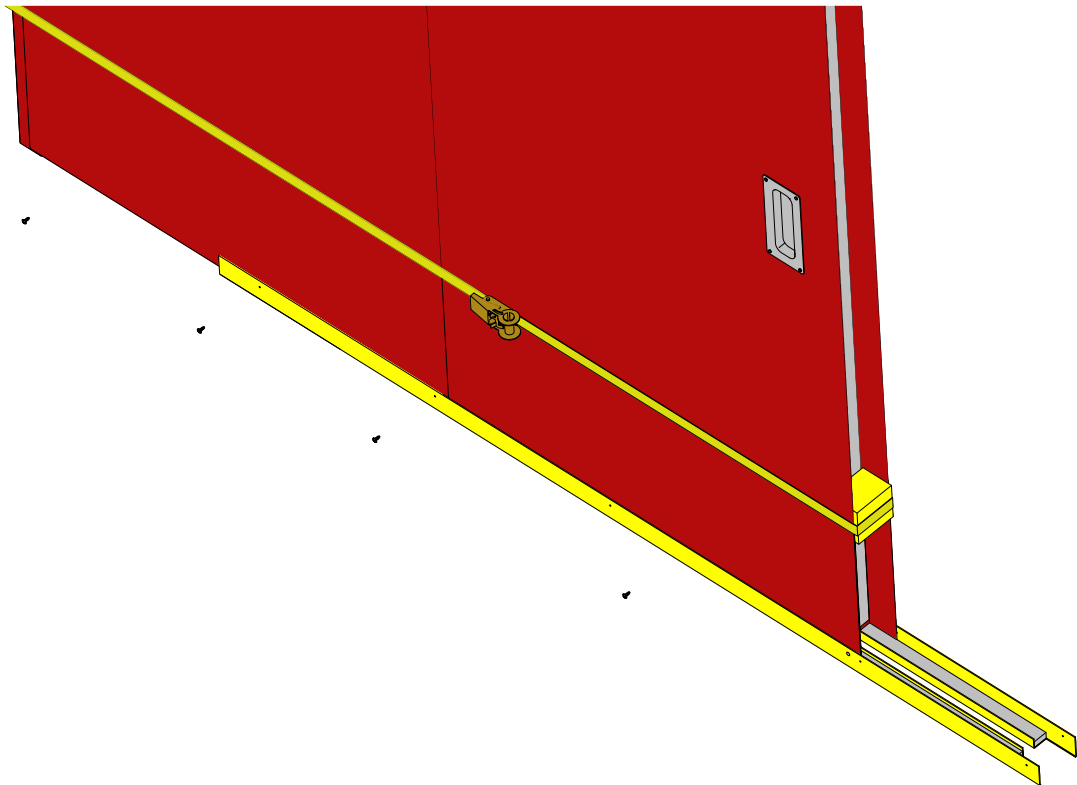
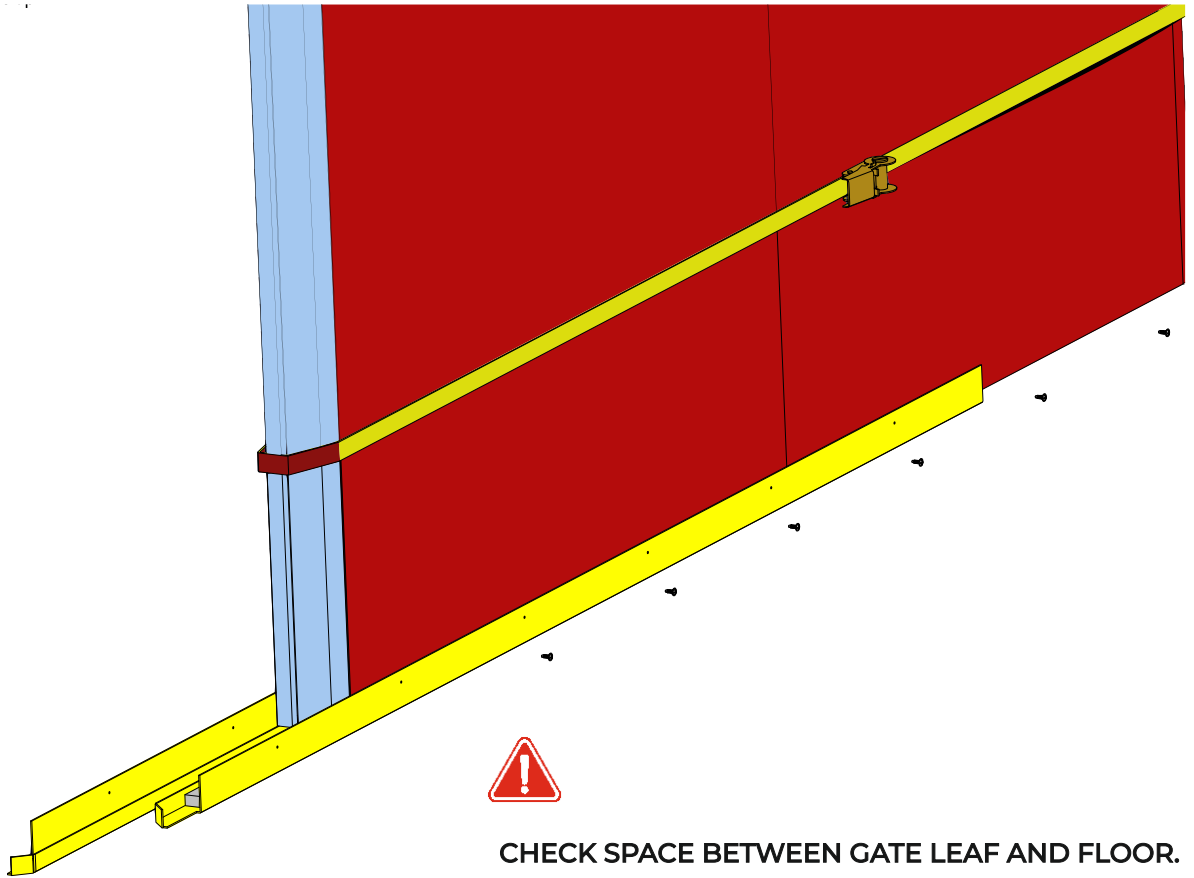
5.6 KEEP PANELS STRAIGHT



5.7 USING WASHERS, SCREWS M6x30 DIN912 (2 PCS PER CONNECTION) AND ALLEN KEY TO JOINT PANELS THROUGH OPENINGS IN GATE RAIL

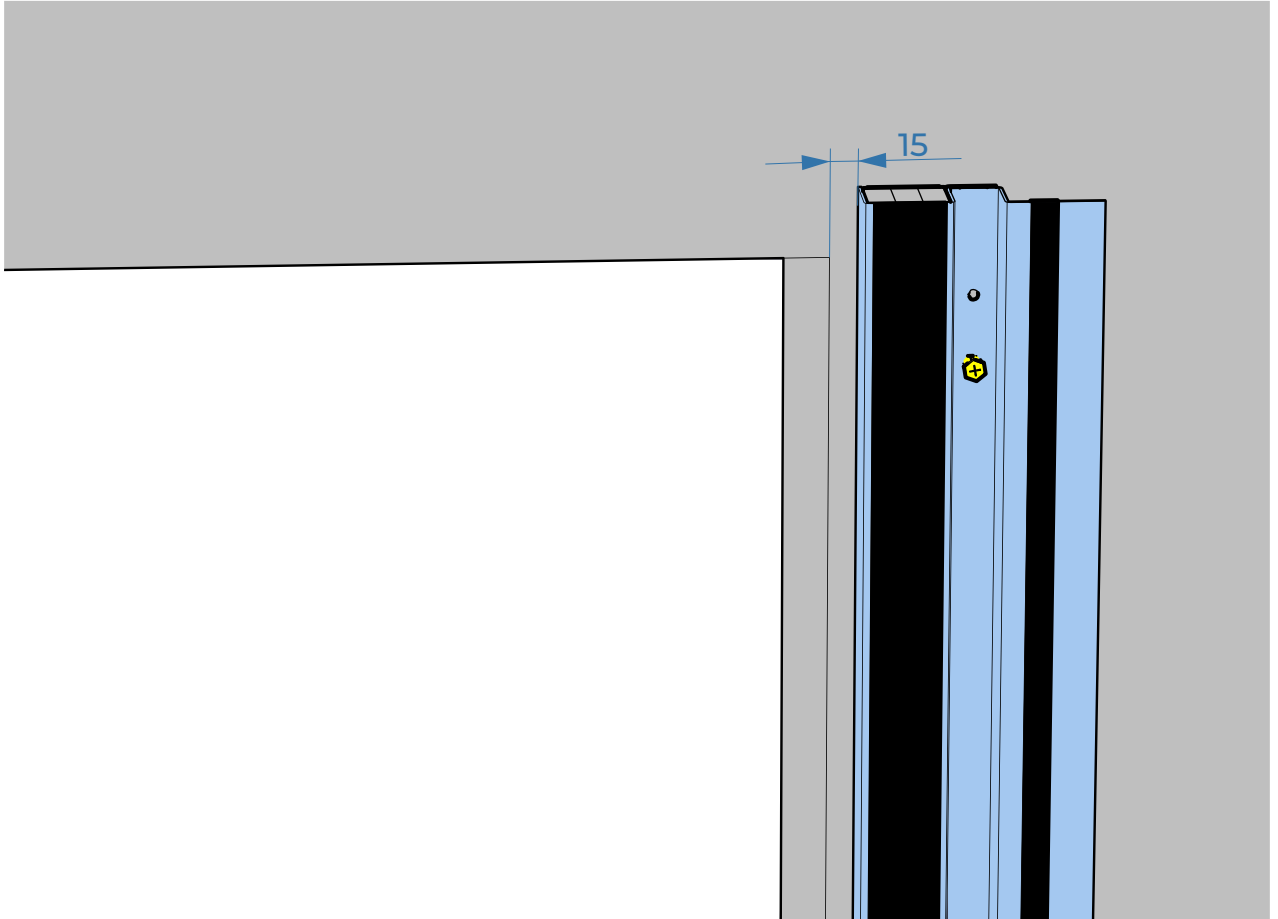


- 5.8** SLIP BOTTOM PROFILE CONNECTORS UNDER THE BOTTOM OF THE PANELS.
THEN USE SELF TAPPING SCREWS $\varnothing 4.2 \times 13$ TO ATTACH/AFFIX THEM TO GATE LEAF.
THE CONNECTORS ARE SPECIFIC FOR LEAF A AND LEAF B.

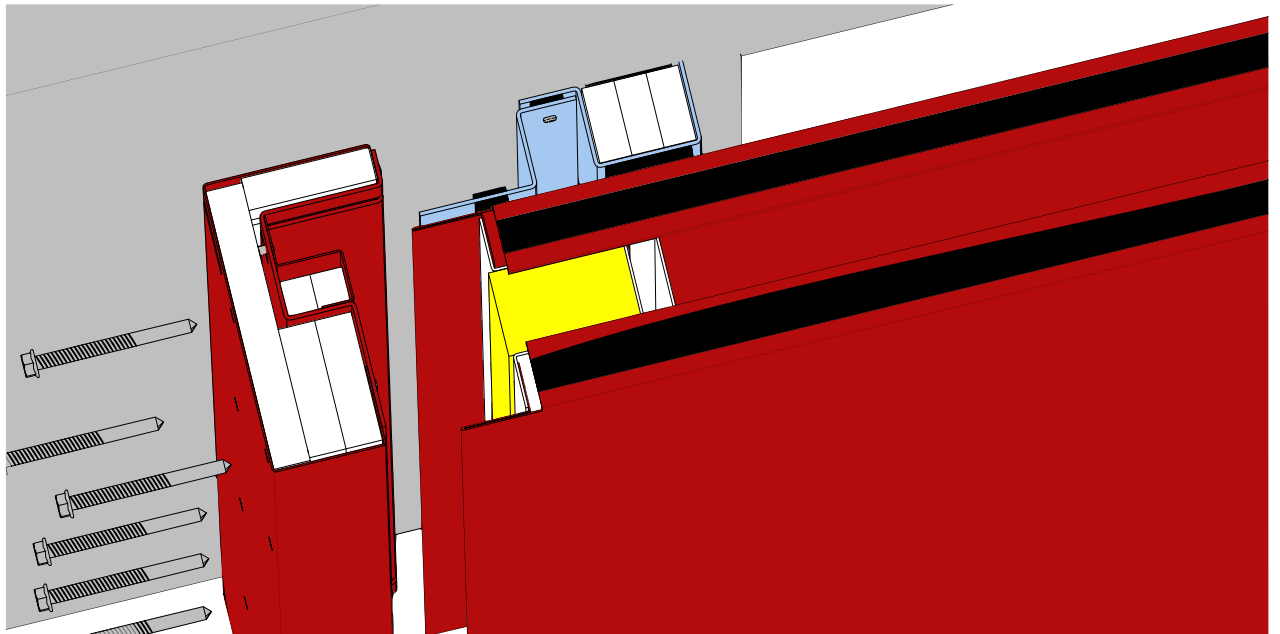


6 FIXING VERTICAL PARTS.

- 6.1** AFTER THE PANELS HAVE BEEN CONNECTED BY TOP AND BOTTOM CONNECTORS, SLIDE BOTH GATE LEAVES BEHIND THE WALL OPENING LEAVING SPACE CA. 20 CM, IN ORDER TO INSTALL WALL LABIRYNTH ON BOTH SIDES OF WALL OPENING. USE $\varnothing 10 \times 112$ ANCHORS.

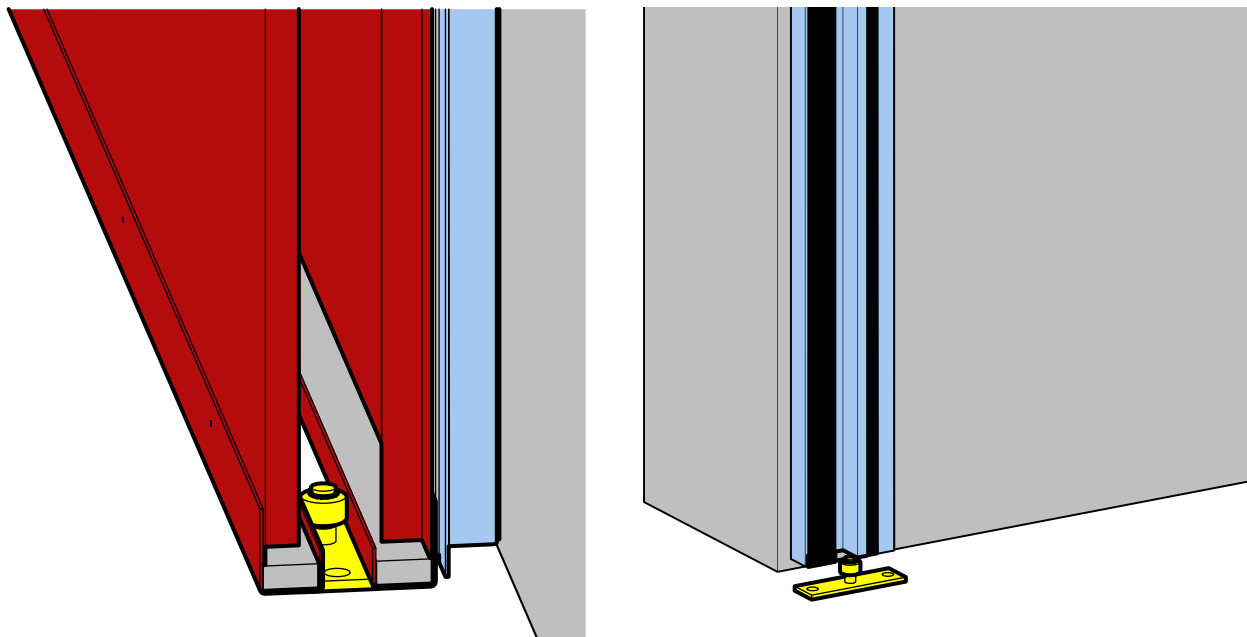


- 6.2** GET MINERAL WOOL (MARKED YELLOW) INTO GROOVE IN PANEL. USE SELFDRILLING SCREW $\varnothing 6.3 \times 75$ TO MOUNT LEAF LABIRYNTH AT THE REAR OF GATE LEAVES

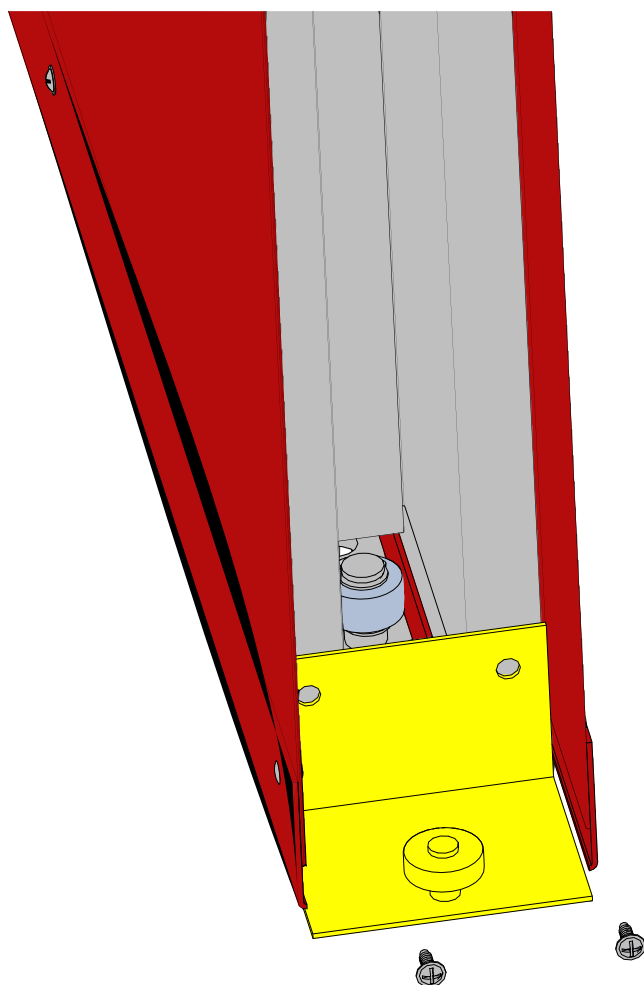


7 FIXING SLIDE CONTROL PARTS (3 PCS ELEMENTS PER GATE)

7.1 USE ANCHORS $\varnothing 10 \times 112$ TO FIX BOTTOM DRIVE IN ROLL FOR BOTH LEAVES

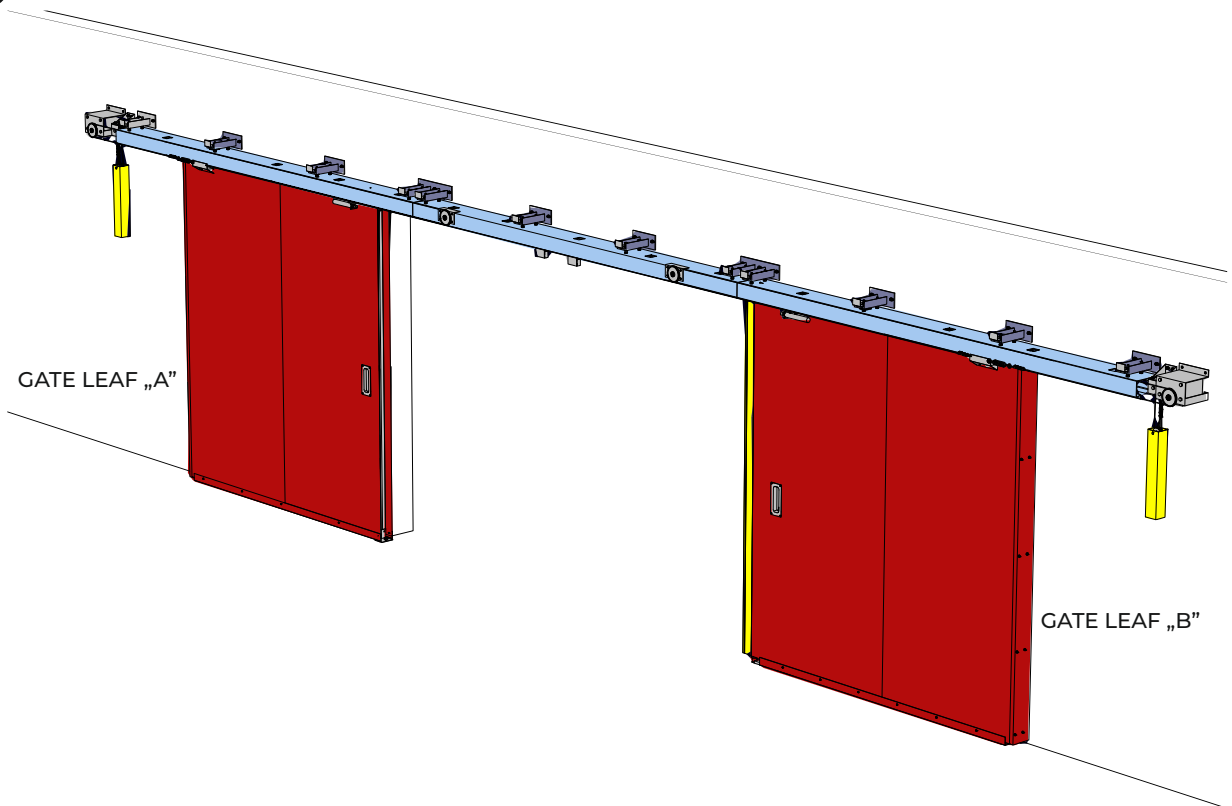


7.2 FIX BRACKET WITH DRIVE IN ROLL INSIDE LEAF A. USE SELF DRILLING SCREWS $\varnothing 4.2 \times 13$. THE DRIVE IN ROLL SECURES PROPER AXIS OF CLOSING PANEL B INTO PANEL A.

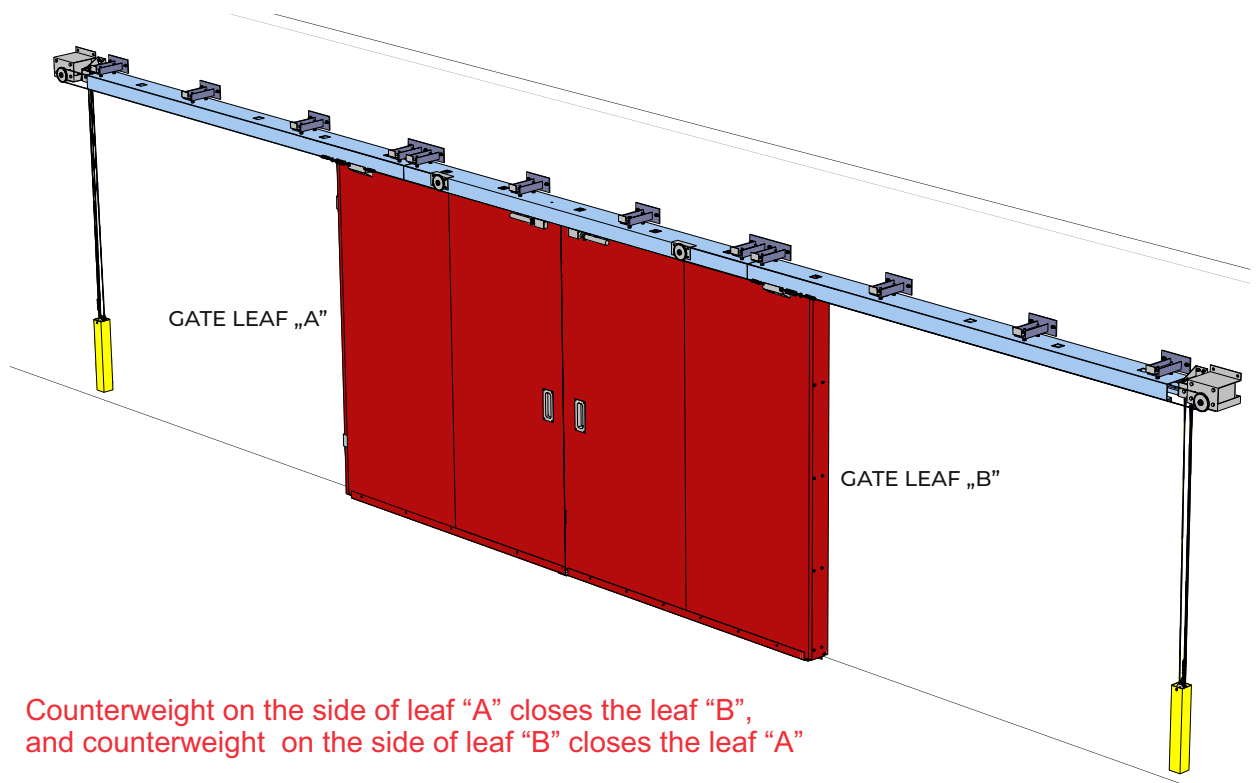


8 ASSEMBLING COUNTERWEIGHTS AND SPEED CONTROL DEVICE WITH INTEGRATED MAGNET (ERPZ)

8.1 VIEW OF OPEN GATE LEAVES, COUNTERWEIGHTS ARE IN UPPER POSITION

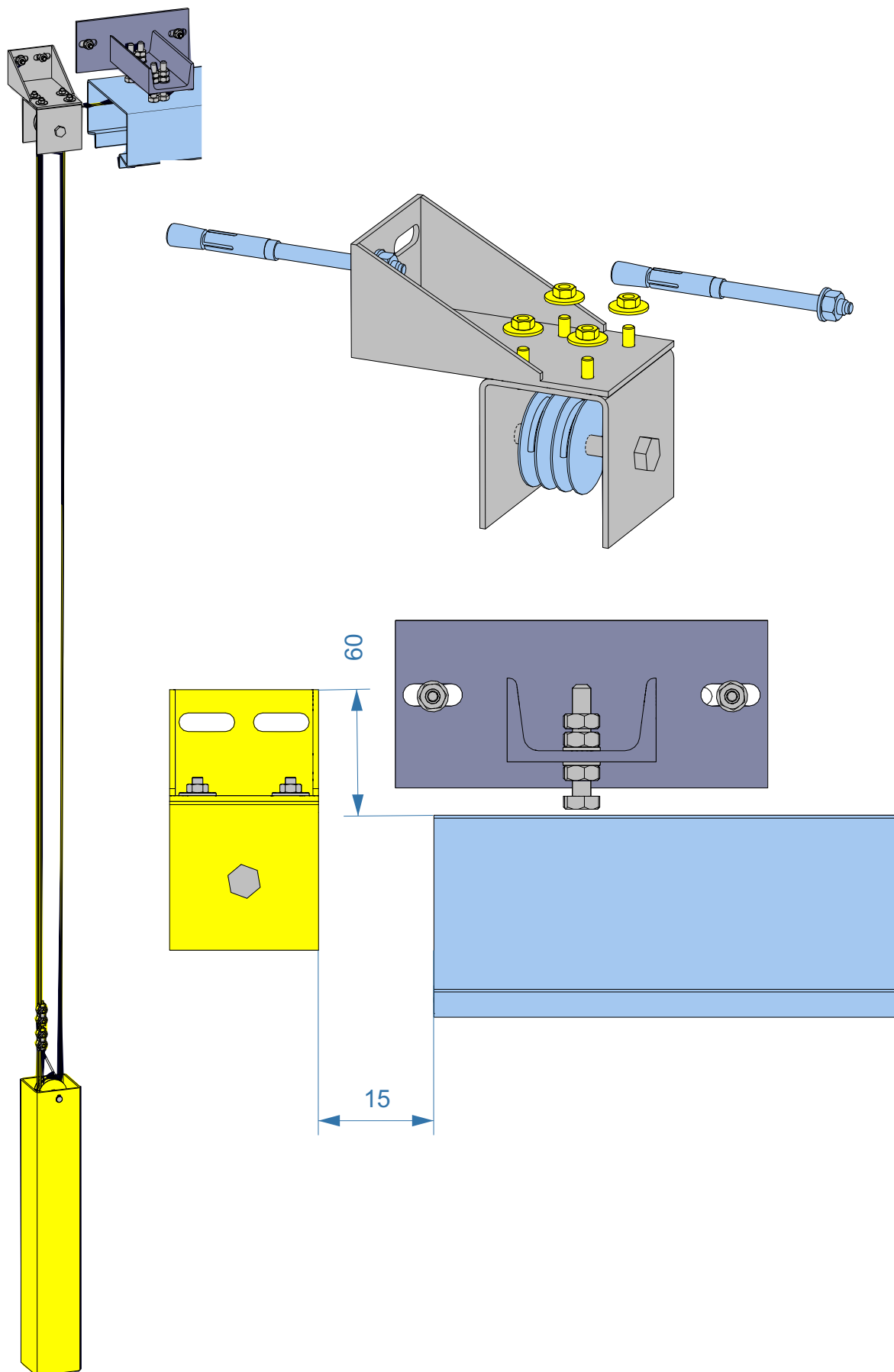


8.2 VIEW OF CLOSED GATE LEAVES, COUNTERWEIGHTS ARE IN BOTTOM POSITION

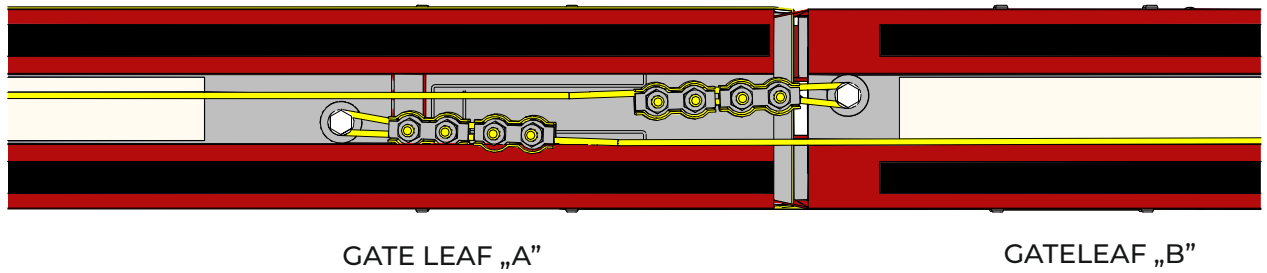


Counterweight on the side of leaf "A" closes the leaf "B",
and counterweight on the side of leaf "B" closes the leaf "A"

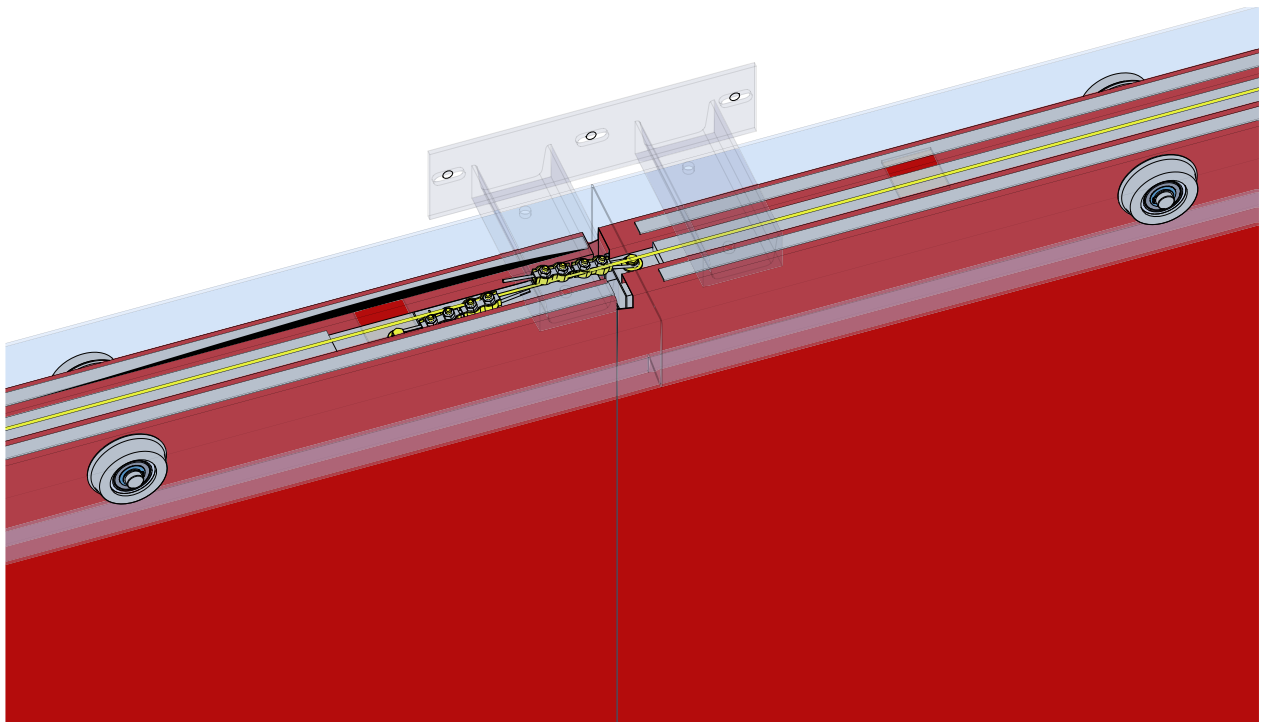
8.3 ASSEMBLING COUNTERWEIGHT. USE STEEL ANCHOR M10 x 105 TO MOUNT ROLLER BRACKETS FOR COUNTERWEIGHTS. ONE PIECE FOR EACH GATE LEAF SIDE.



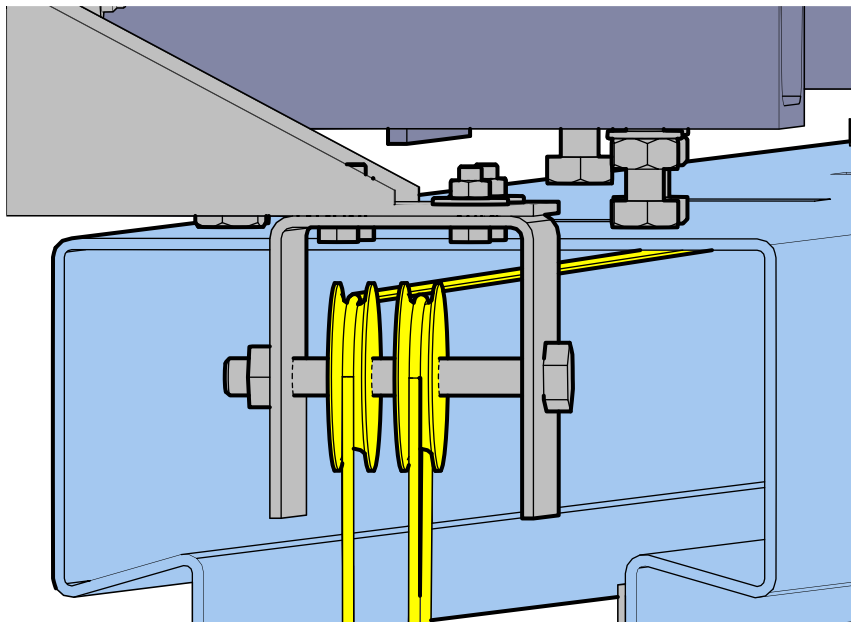
- 8.4** USE STEEL CLAMPS (2 PCS PER SIDE), WASHER, SELF DRILLING $\varnothing 6.3$ AND FIX STEEL CORD ON THE UPPER PLACE END OF EACH PANELS (A AND B).



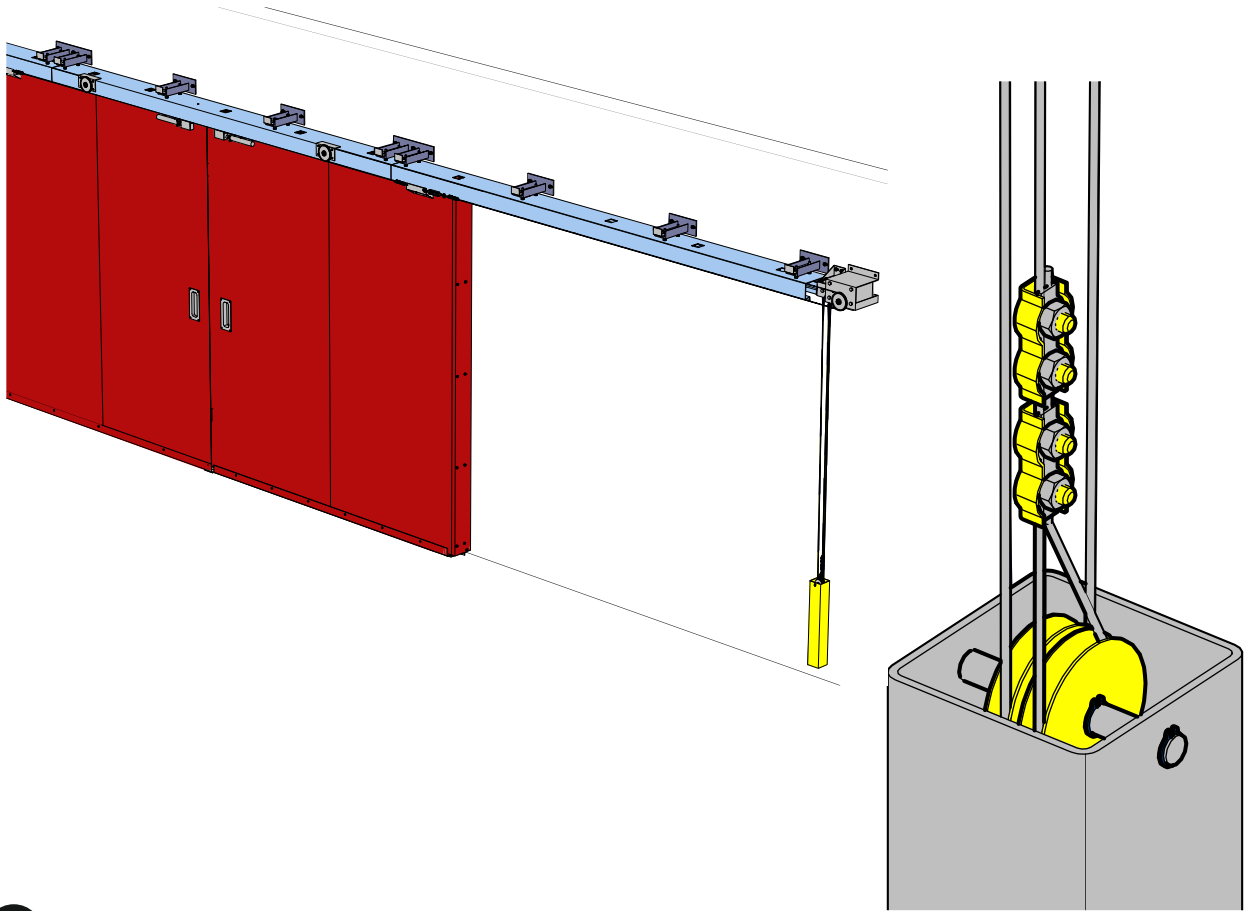
The counterweight cord of door leaf "A" is affixed at the back of leaf "B", and the opposite: counterweight cord of leaf "B" is affixed at the back of leaf "A"



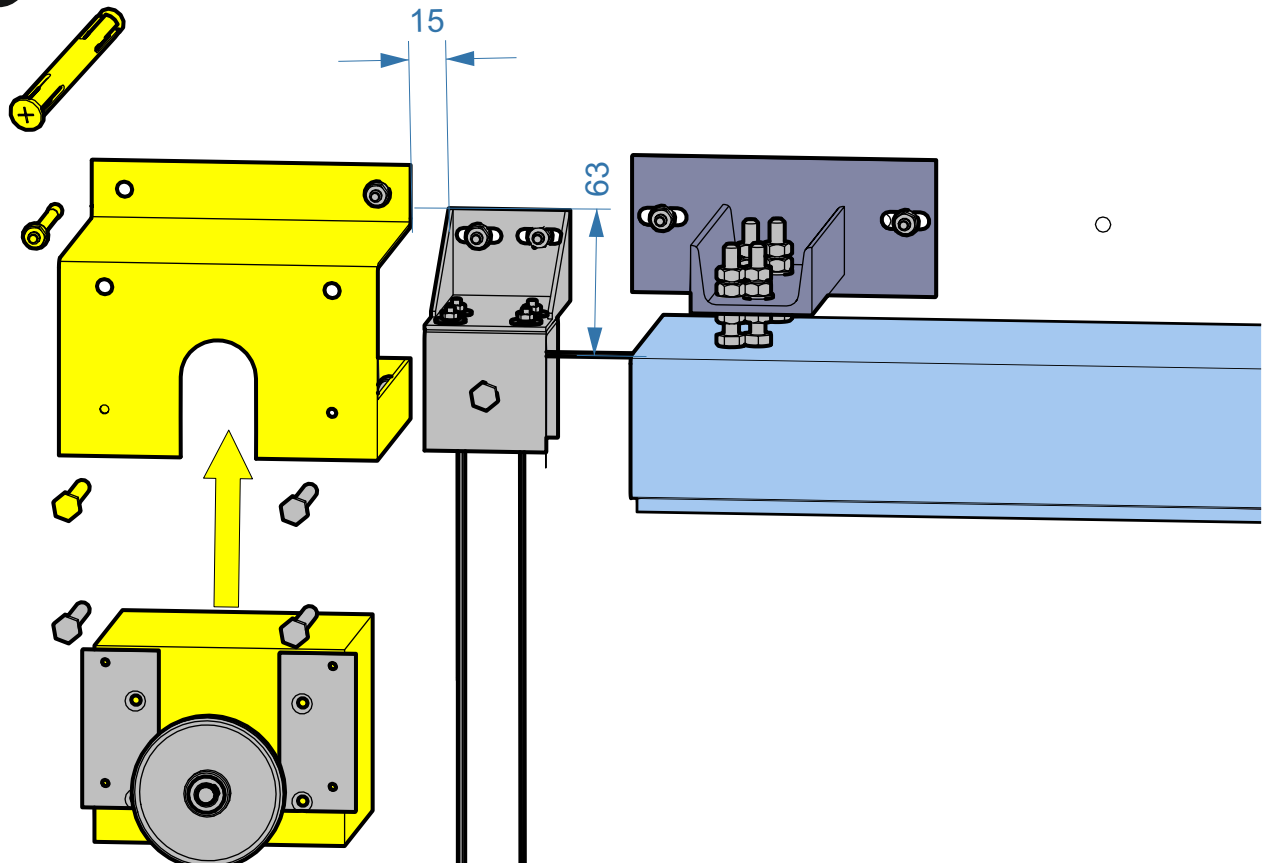
- 8.5** DRIVE STEEL CORD THROUGH ROLL. IN CASE WHEN THE WIDTH OF LEAF IS CONSIDERABLY LARGER THAN HEIGHT, THE CORD SHALL BE THREADED THROUGH TWO OR THREE WHEELS



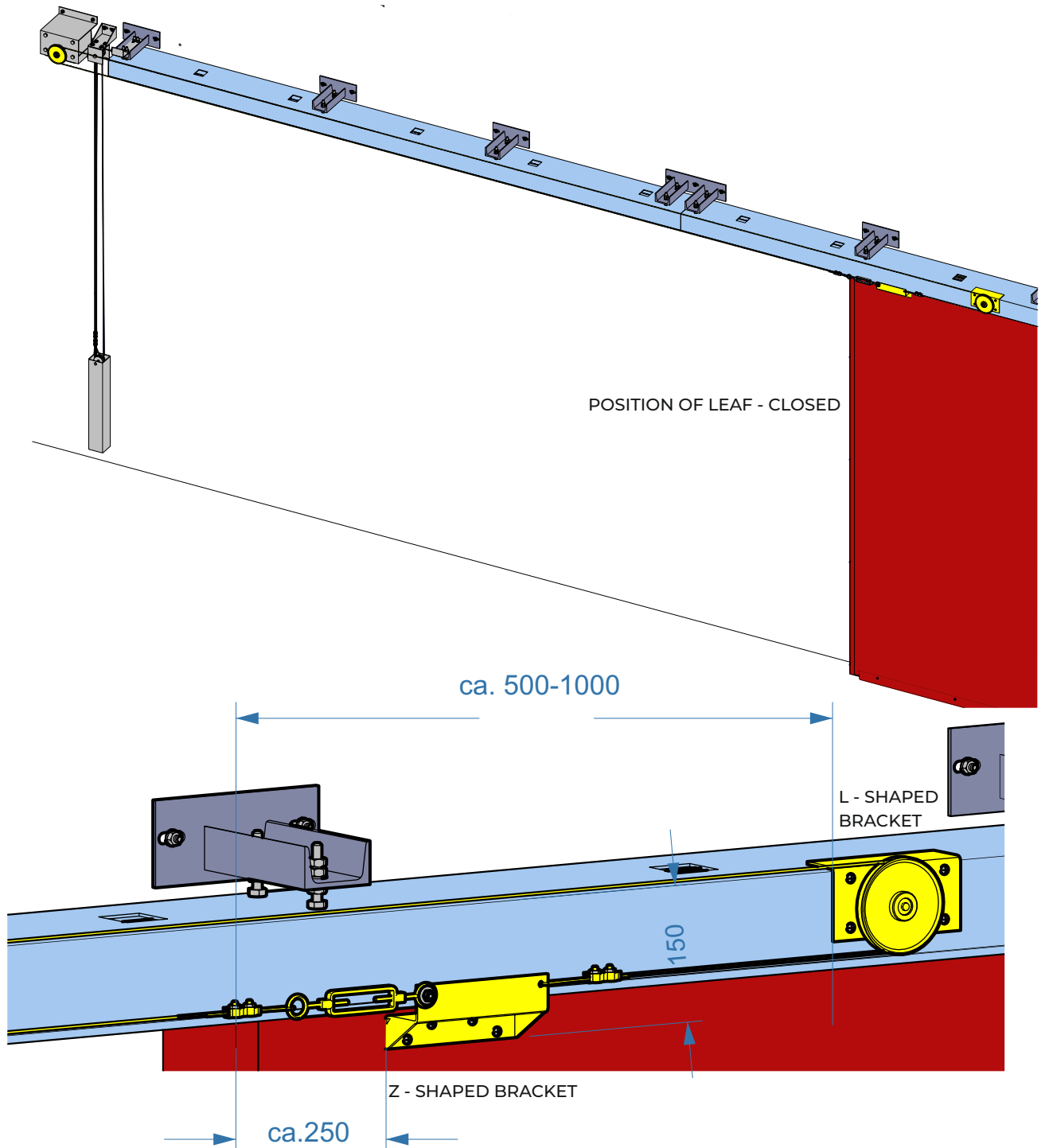
- 8.6** CLOSE LEAVES AND MEASURE PROPER LENGTH OF STEEL CORD. USE CLAMPS AND FIX STEEL CORD. CUT REMAIN STEEL CORD. REPEAT FOR SECOND LEAF AND COUNTERWEIGHT



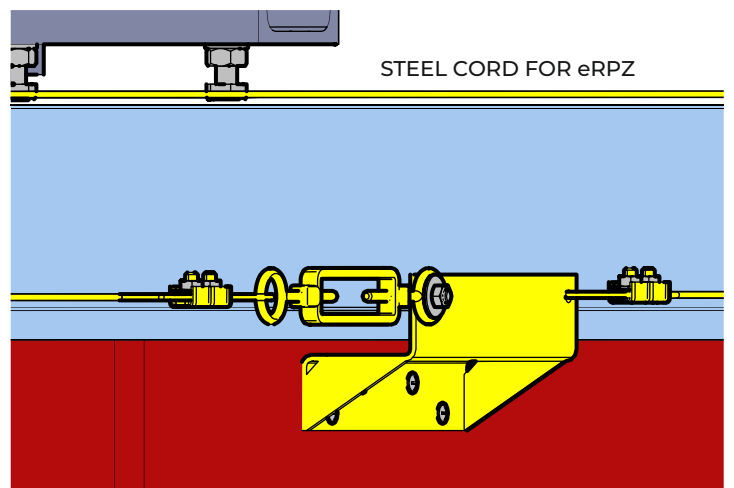
- 8.7** ASSEMBLING ERPZ ON ITS BRACKET. USE ANCHORS $\varnothing 10 \times 110$ AND M5 BOLTS



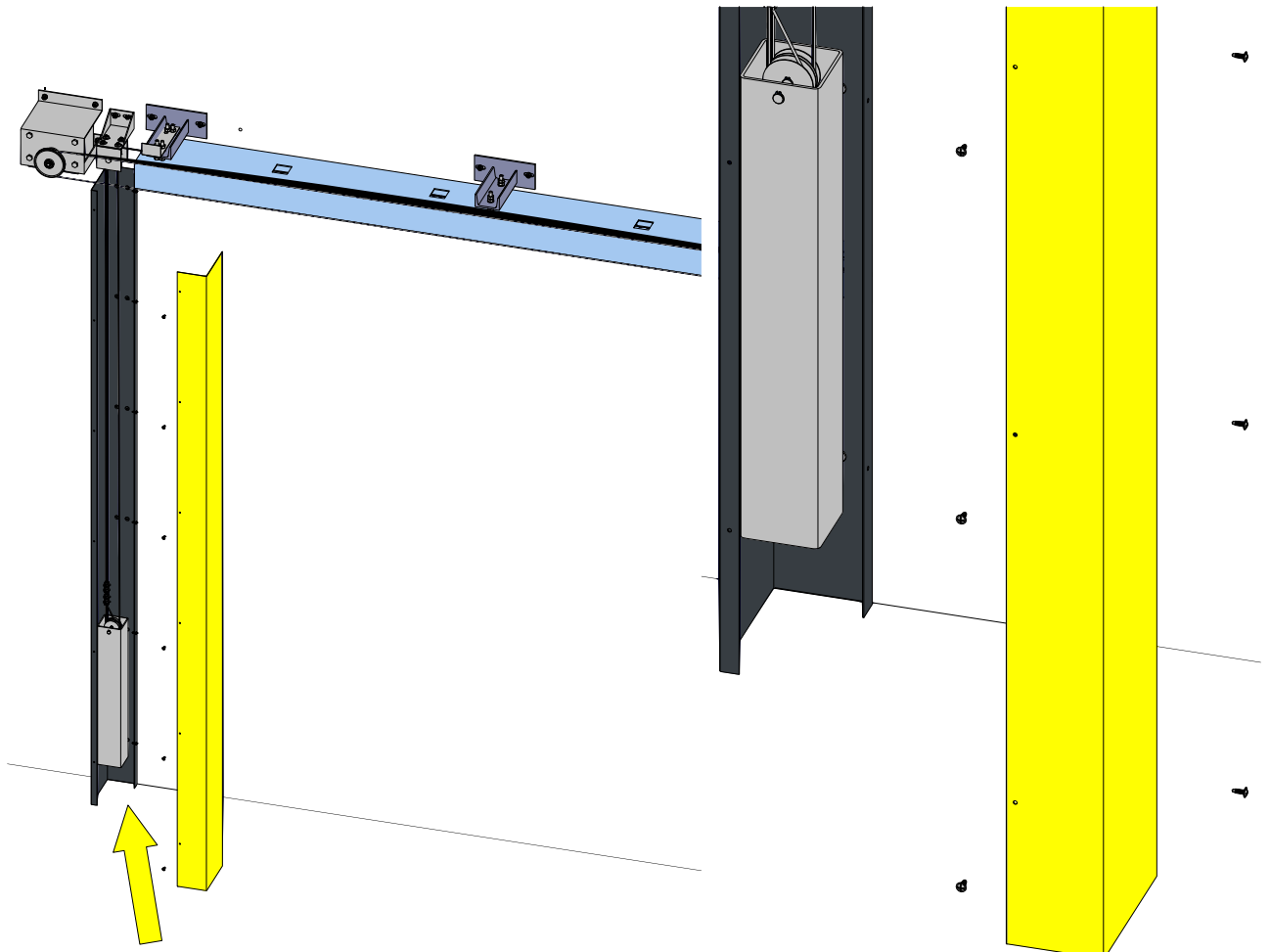
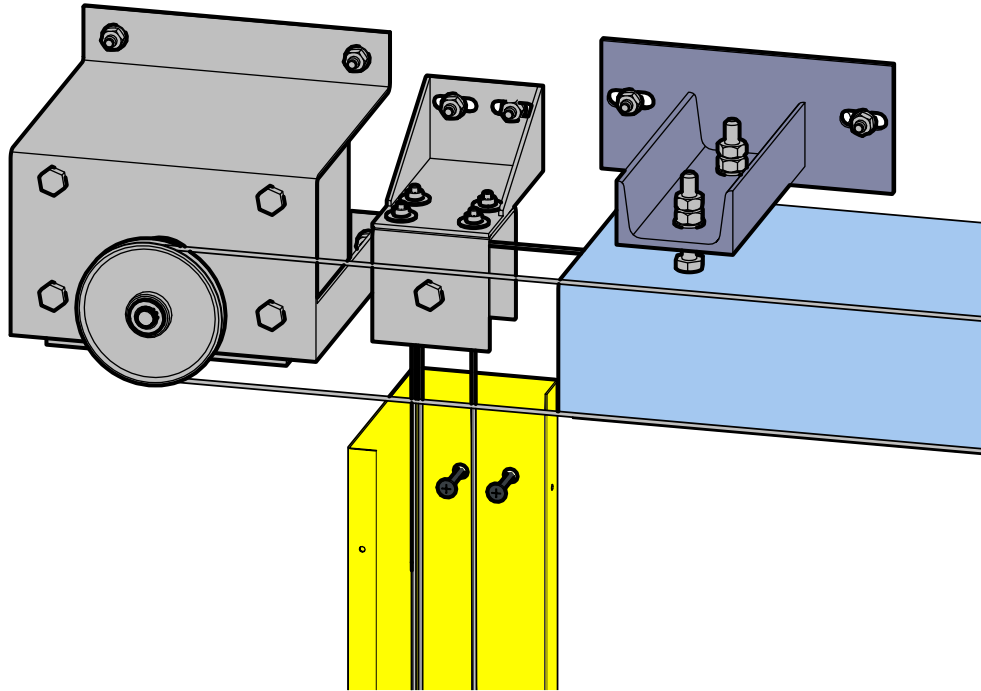
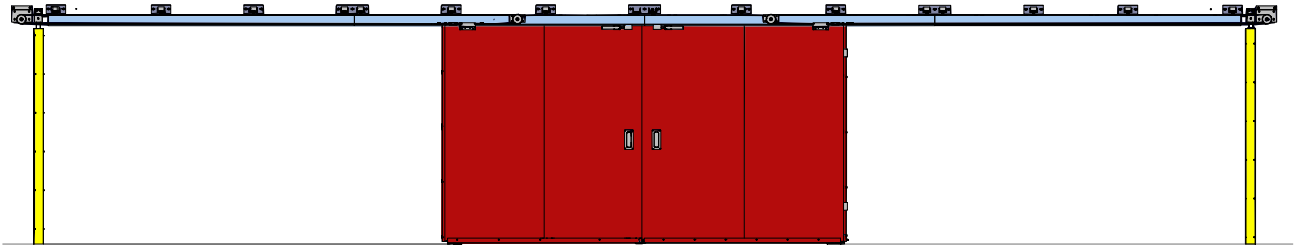
8.8 FIX L-SHAPED BRACKET WITH WHEEL OF eRPZ, Z-SHAPED BRACKET WITH EYE-EYE BOLT (USE SELF TAPPING SCREWS $\varnothing 4.2 \times 13$ OR RIVIETS $\varnothing 4$) AND CONNECT BY STEEL CORD



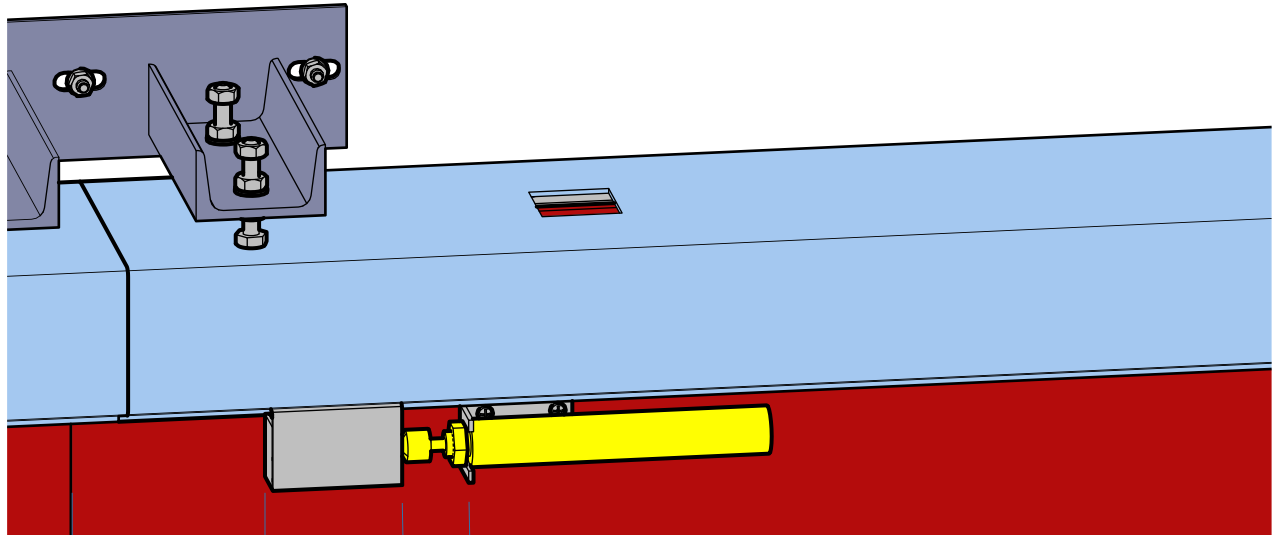
8.9 USING THE EYE-EYE BOLT EVOKE TENSION OF THE CORD, SO THAT IT DOES NOT SLIDE ON eRPZ



8.10 FIXING COUNTERWEIGHT COVERS. USE $\varnothing 6$ ANCHORS AND SELF TAPPING SCREWS $\varnothing 4.2 \times 13$

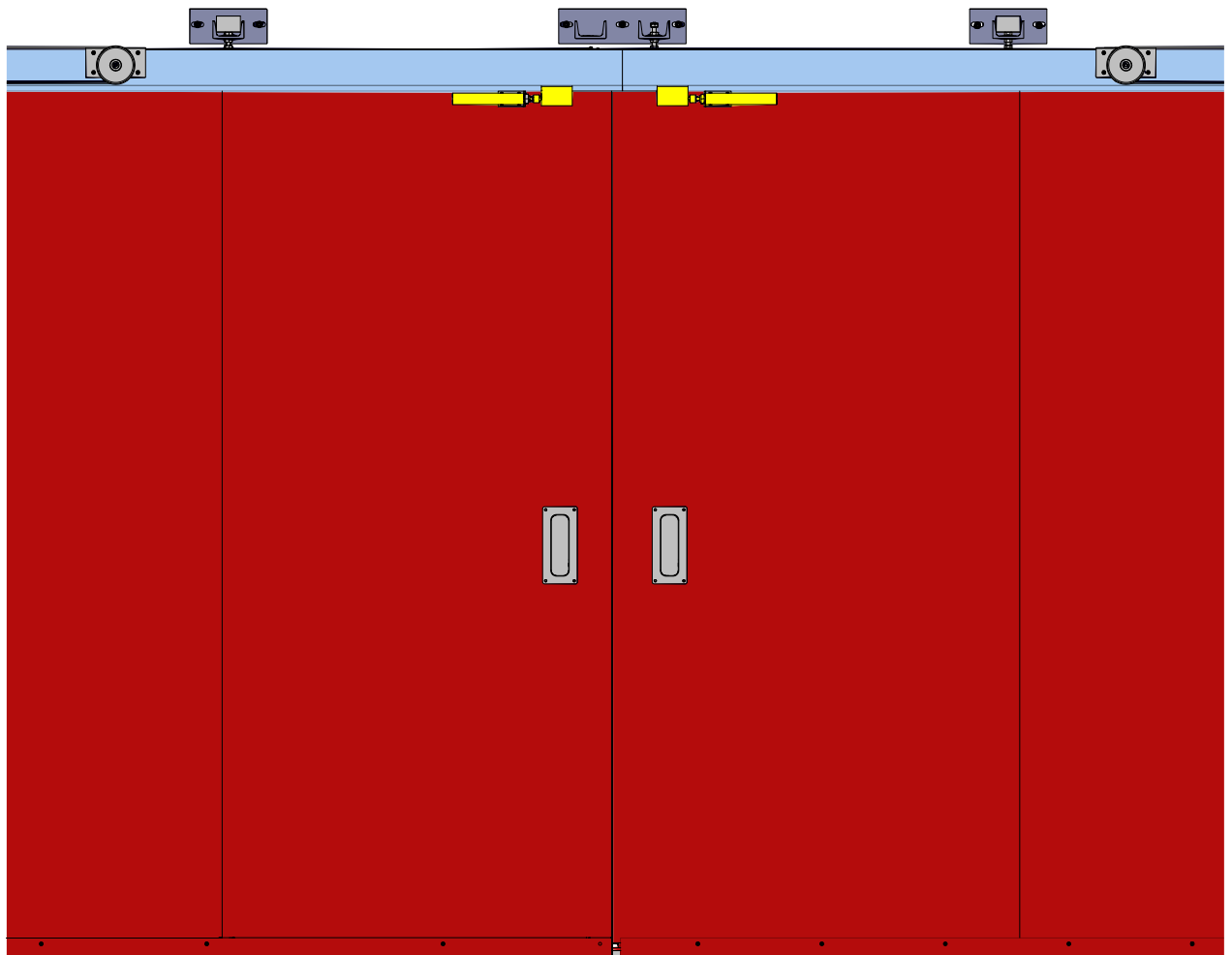


8.11 FIX TO PANELS 2 PCS SHOCK ABSORBERS. USE SELF TAPPING SCREWS $\varnothing 4.2 \times 13$ OR RIVIETS $\varnothing 4$

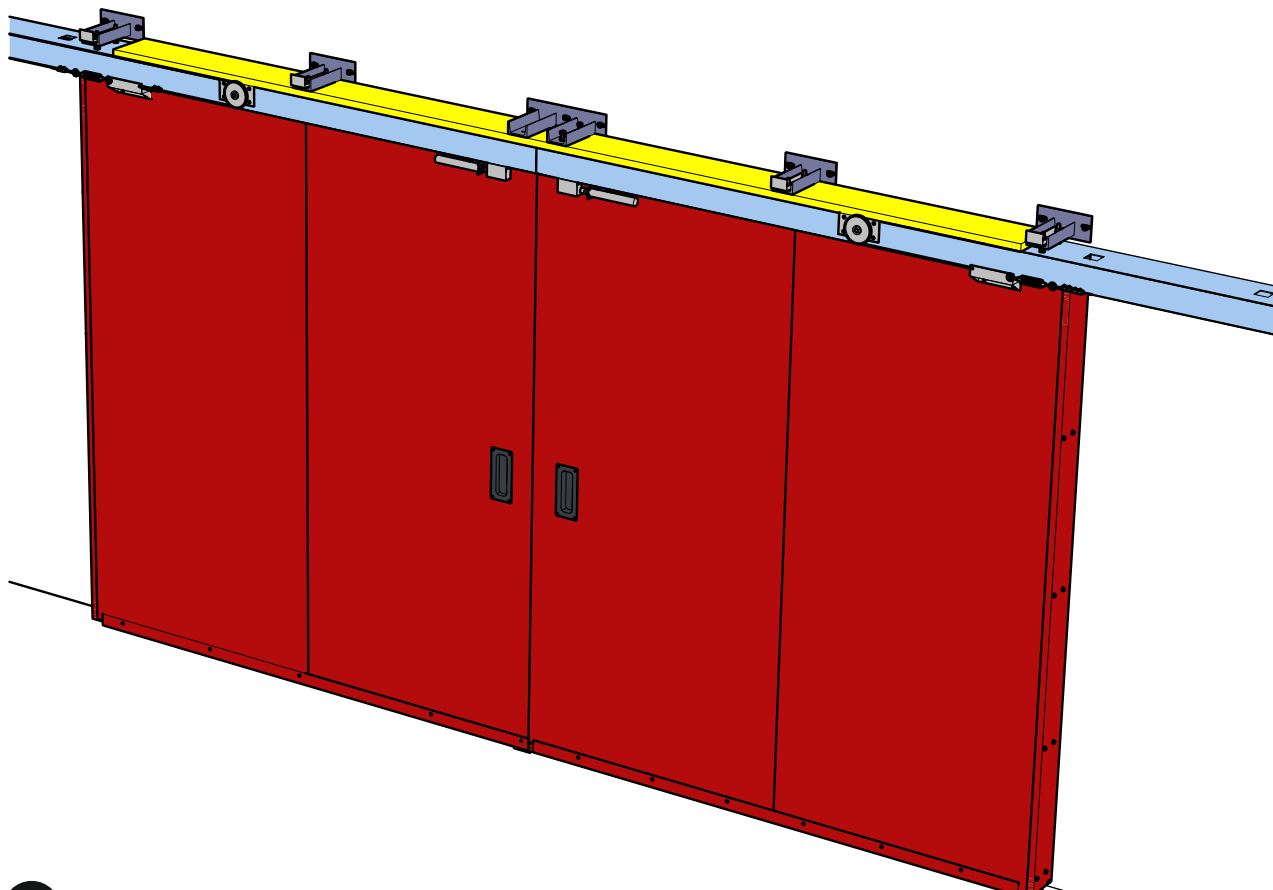


CA. 110MM
FROM JOINT
OF GATE LEAVES

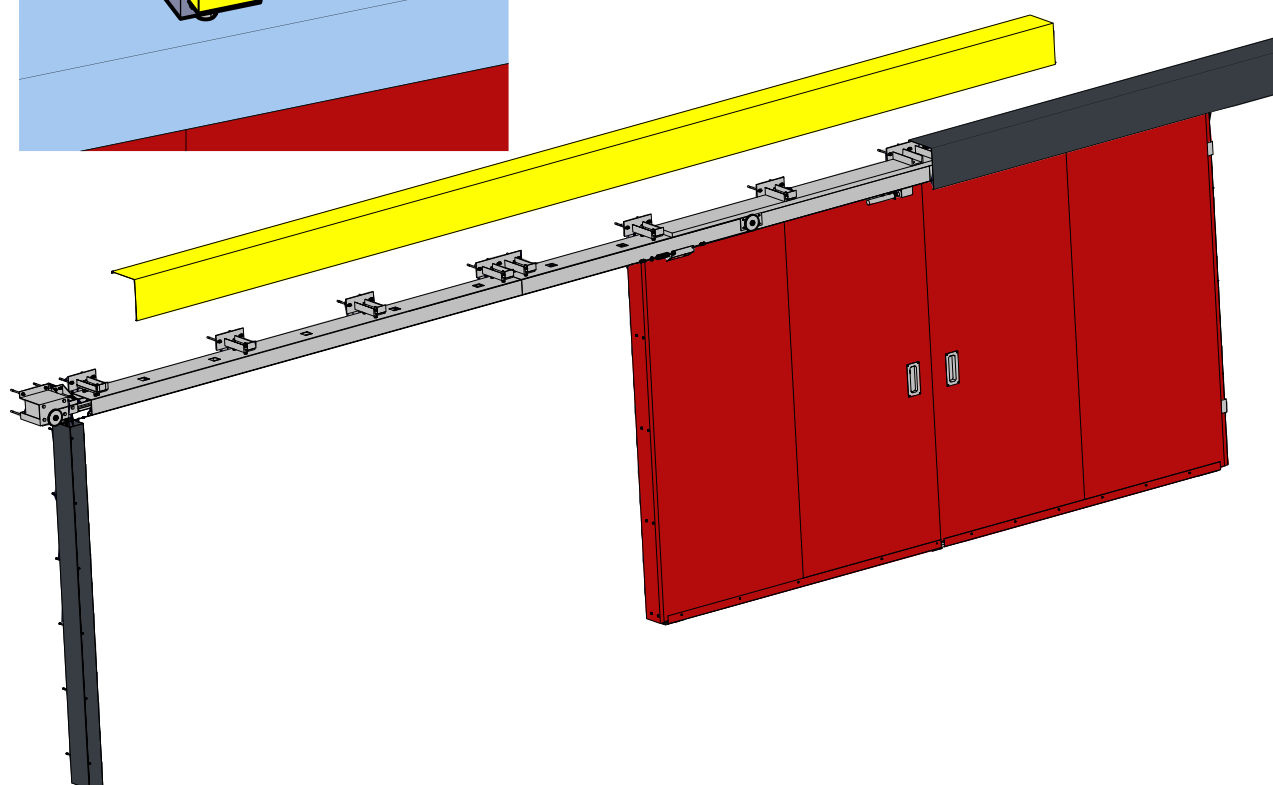
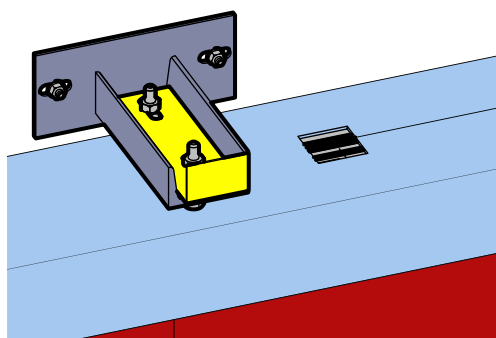
ca. 50. NOTE: APPOINT EXACT POSITION OF SUPPORTS
OF SHOCK OBSORBERS ALIGNING IT WITH
CYLINDER- STROKE OUT TO SURFACE OF PANEL



- 8.12** FILL SPACE BETWEEN BRACKETS AND RAIL PROFILE WITHIN ROCKWOOL.
ONLY IN WIDTH OF THE WALL OPENING



- 8.13** FIX COVER OF RAIL. USE NUTS M10 2 FOR FIXING BRACKETS AND 2 PIECES OF SCREW $\varnothing 4.2 \times 13$ PER EACH BRACKET (MARKED BELOW YELLOW). START FIXING IN FROM MIDDLE OF GATE.



9 THE FOIL SHOULD BE REMOVED FROM THE LEAF IMMEDIATELY AFTER INSTALLATION

10 WARRANTY AND HANDLING

Standard warranty term is 12 months counted from day of delivery agreed upon in Order Confirmation. Warranty for additional equipment, such as door closers, panic bars and the like may be granted based on separate documents provided by the Producers of this equipment.

Please remember:

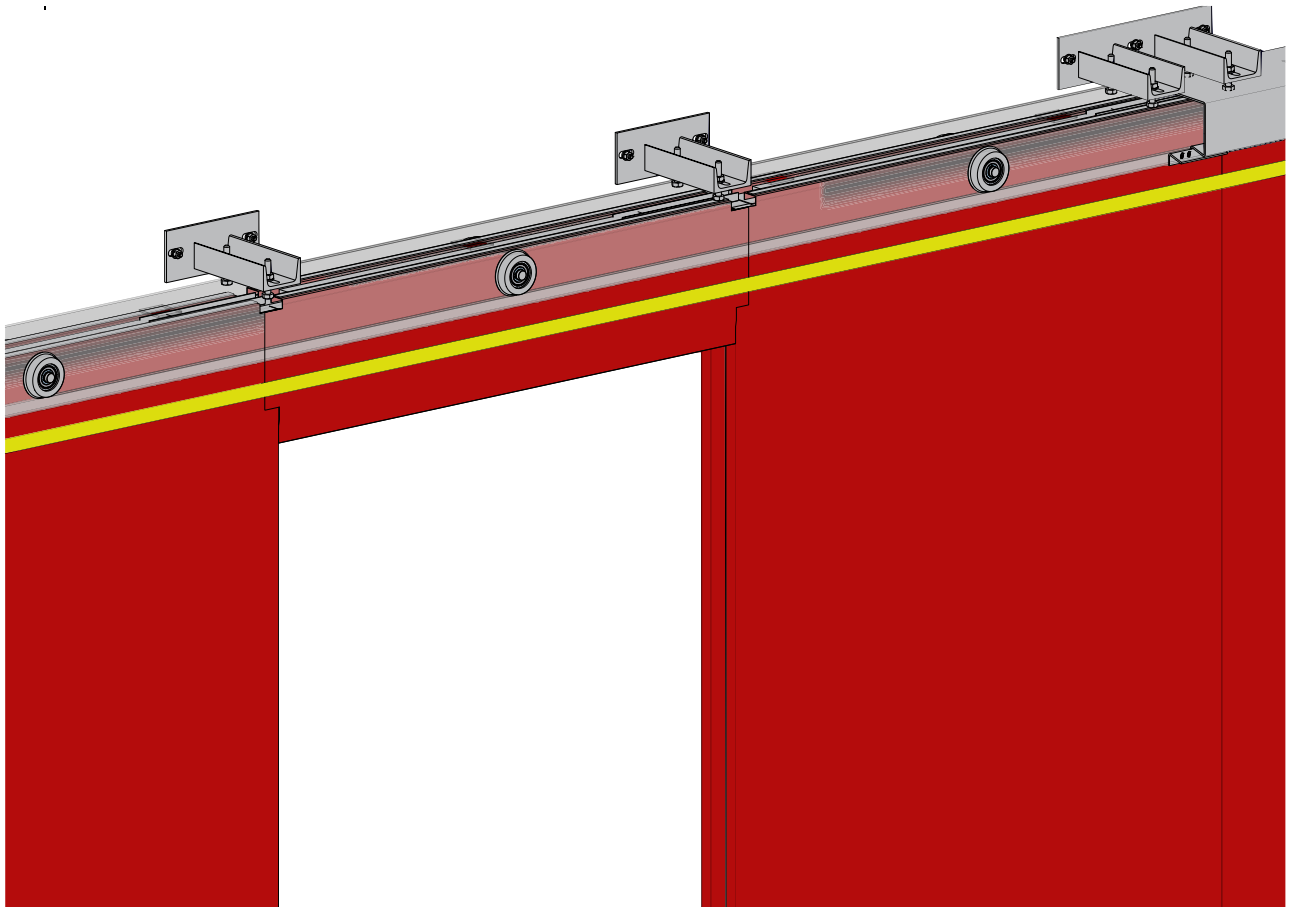
- to stock the panels in vertical position and protect them against rain, sun and mechanical damages
- to remove protection film from the panels' surface immediately after installation
- to repair each fault immediately
- to clean the gates with non- aggressive agents (aggressive chemical fluids may cause corrosion even on stainless steel elements)
- to proceed with maintenance activities min. every six months, in order to retain DFM guarantee

DFM EUROPE is not responsible for errors and claims caused from incorrect installation
The Conditions of Guarantee are shown in General Conditions of Sale published on dfm-europe.eu

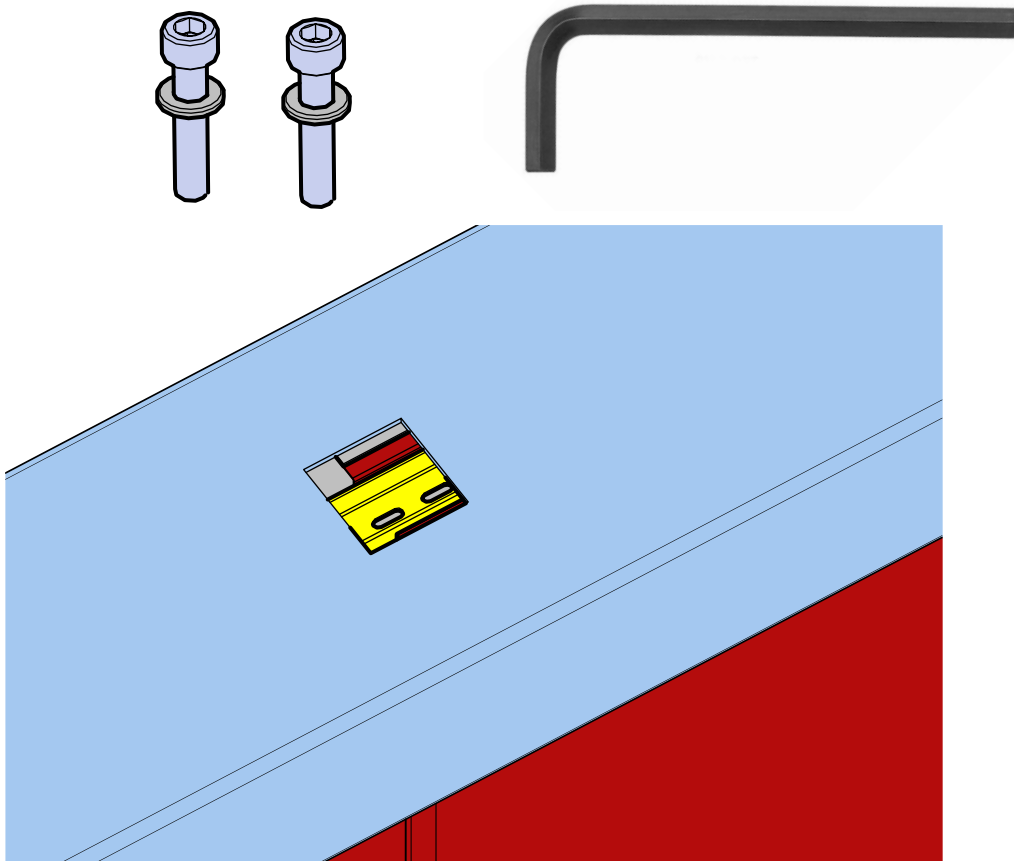
11 THE DIFFERENCES OF INSTALLATION FOR GATE WITH WICKET DOOR.

WICKET DOORS ONLY FOR GATES EI₁60, EI₂60.

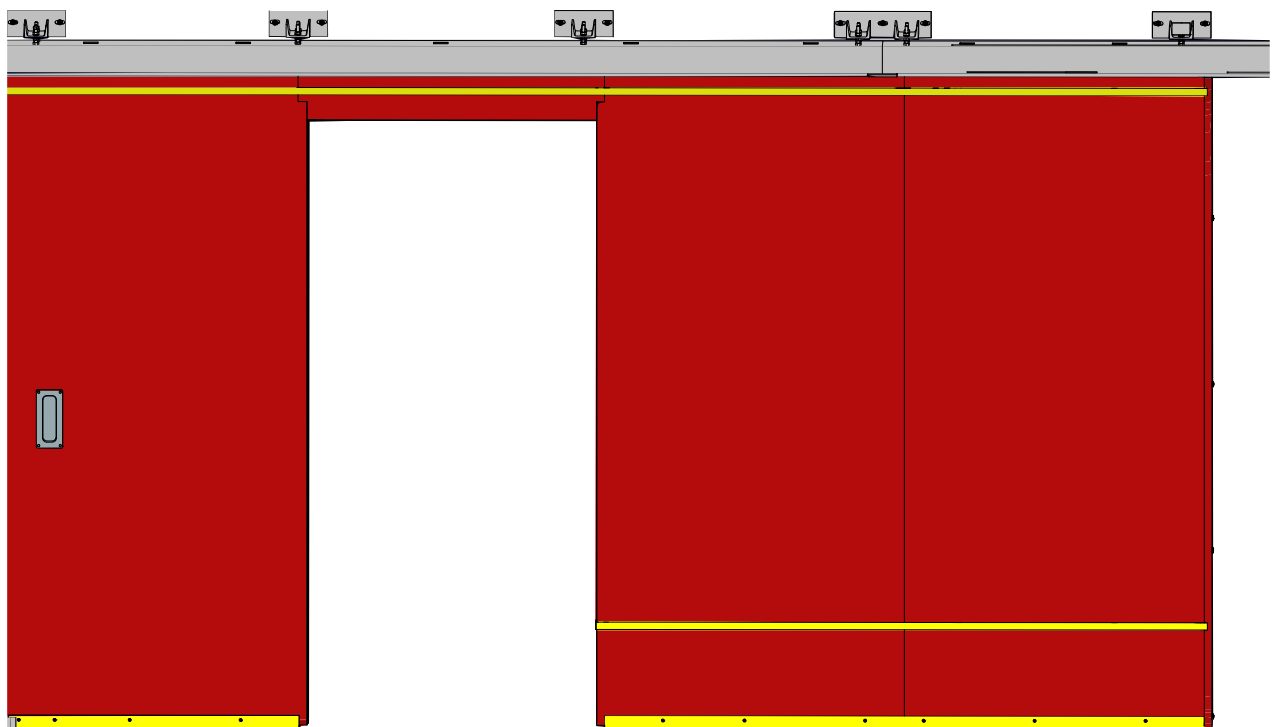
- 11.1** DIFERENCES CONCERNING ASSEMBLING GATE LEAF. DEFINE DOOR LOCATION ON THE GATE LEAF. DURING BELT SQUEEZING USE SHORT PANEL ABOVE PLANNED PLACE FOR DOOR. KEEP PANELS STRAIGHT.



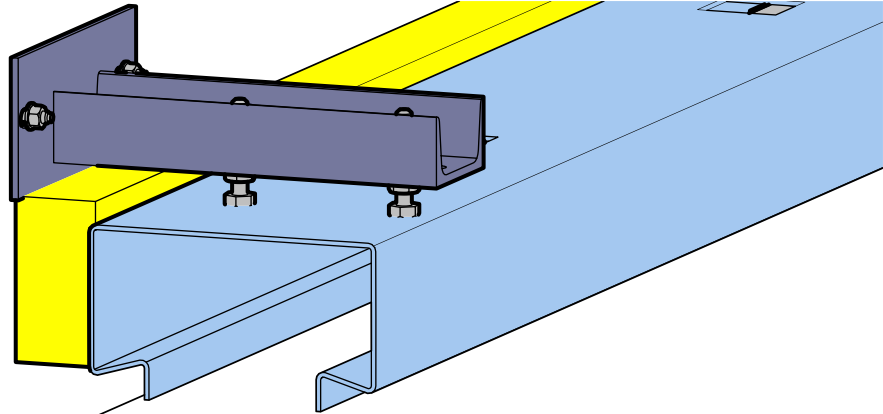
11.2 MIND ALWAYS CONNECTING OF PANELS. SEE POINT 5.1



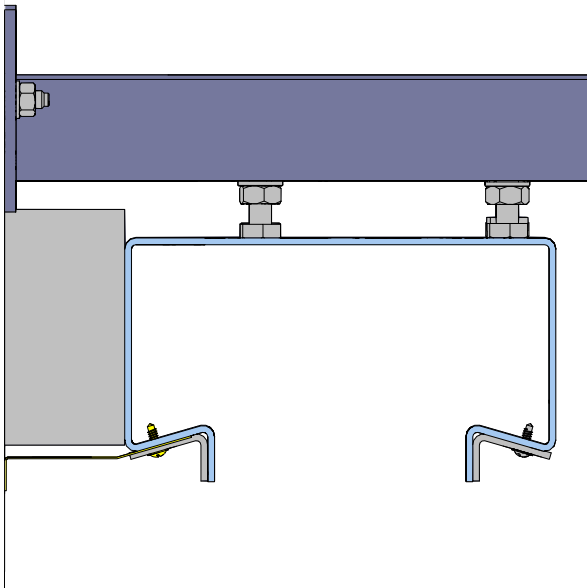
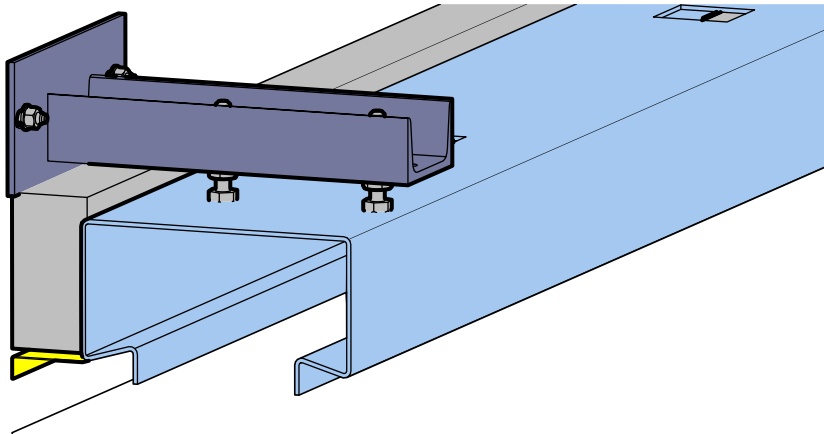
11.3 PAY ATTENTION WHILE FIXING BOTTOM CONNECTORS. THEY ARE DIFFERENT FOR FRONT AND REAR SIDE. THEY HAVE SPECIAL PROFILED END FINISH SUITING DOOR FRAME



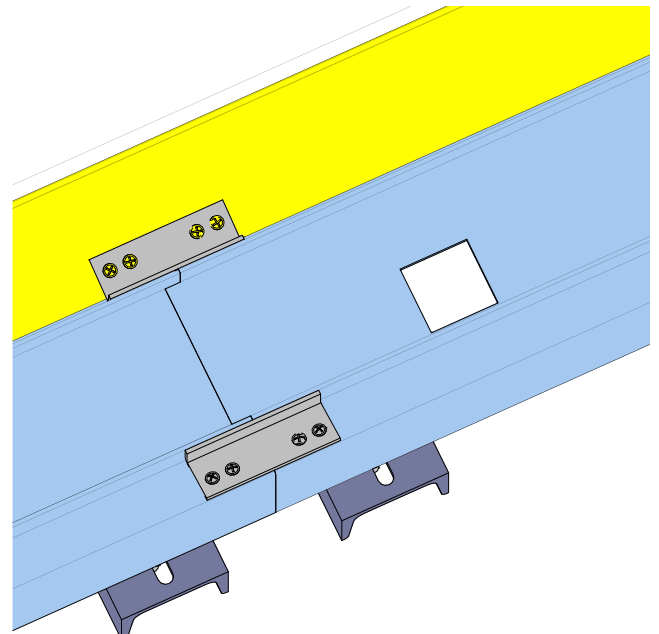
- 11.4** RAIL BRACKETETS ARE LONGER FOR GATE WITH WICKET DOOR. FILL SPACE BETWEEN WALL AND RAIL PROFILE WITH ROCKWOOL, ONLY IN WIDTH OF THE WALL OPENING



- 11.5** METHOD OF FIXING BOTTOM COVER.

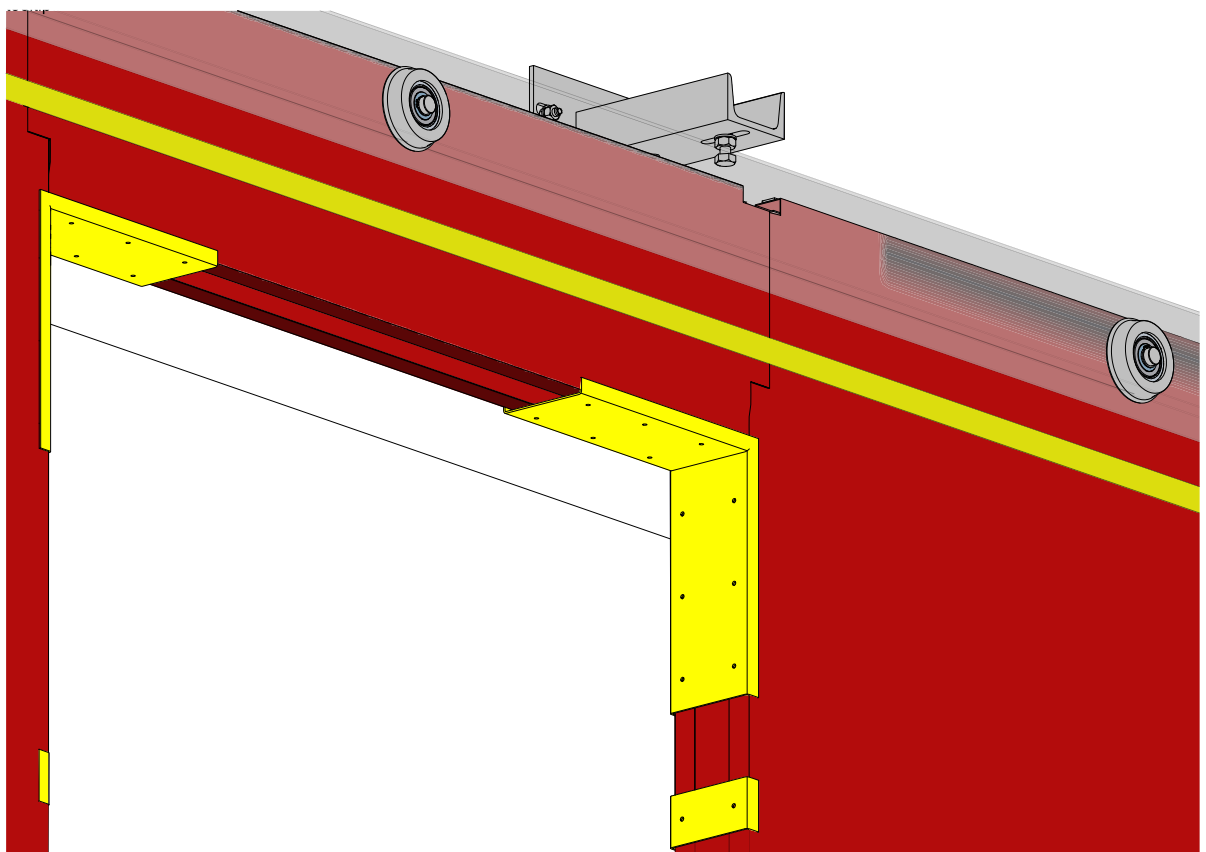
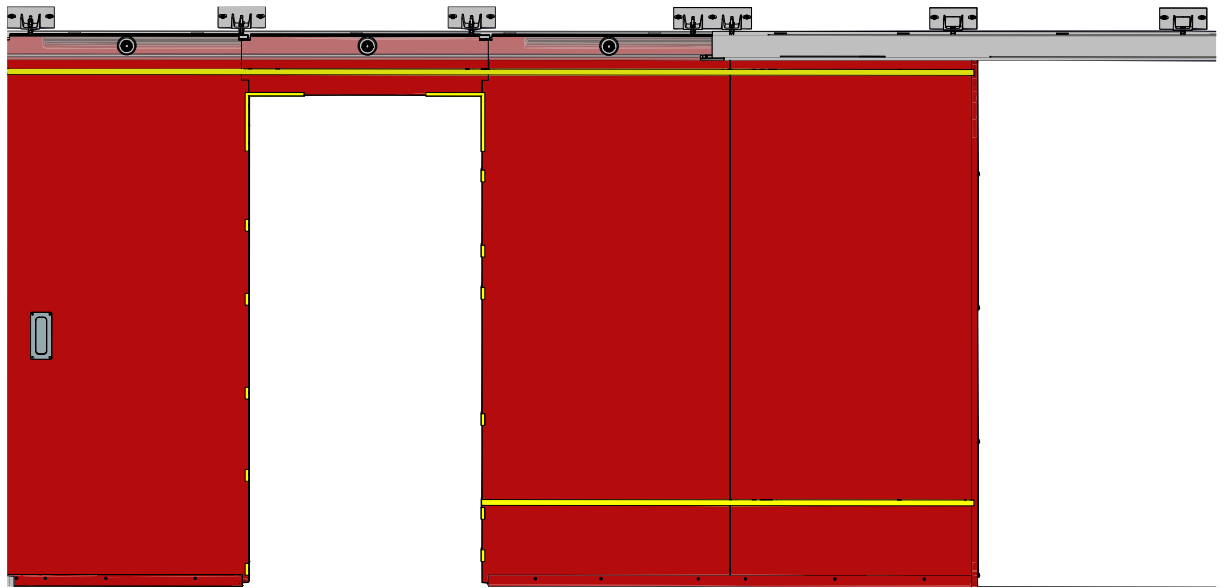


- 11.6** ALSO SEE VIEW FROM BOTTOM. KEEP IN MIND FILLING ROCKWOOL ACCORDING TO POINT 8.12

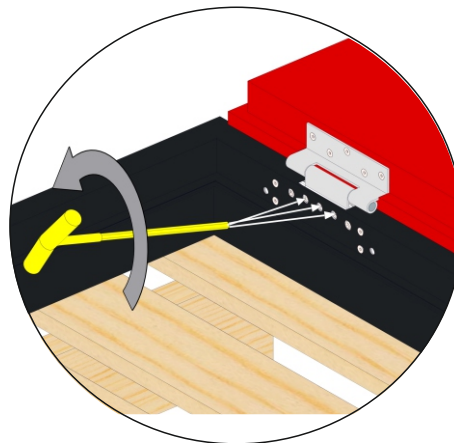




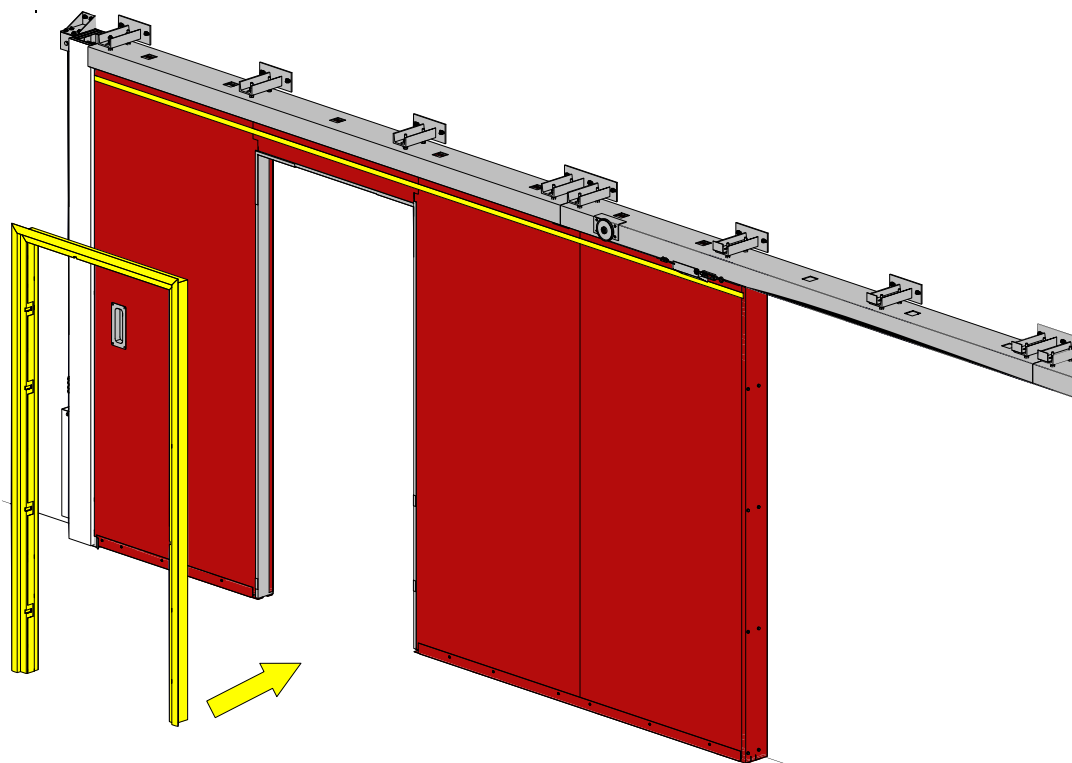
11.7 DEFINE PLACES OF DOOR HINGES, AS EXAMPLE SEE DIN-RIGHT SIDE OF OPENING ON PICTURE BELOW. USE RIVIETS $\varnothing 4$ TO FIX CORNER REINFORCEMENTS



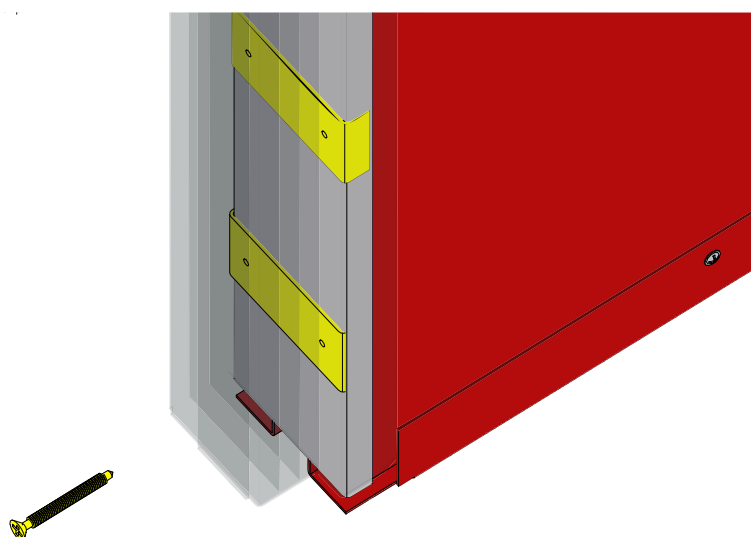
11.8 DISMANTLING DOOR LEAF AND FRAME



11.9 GET HINGE-SIDE PART OF DOOR FRAME

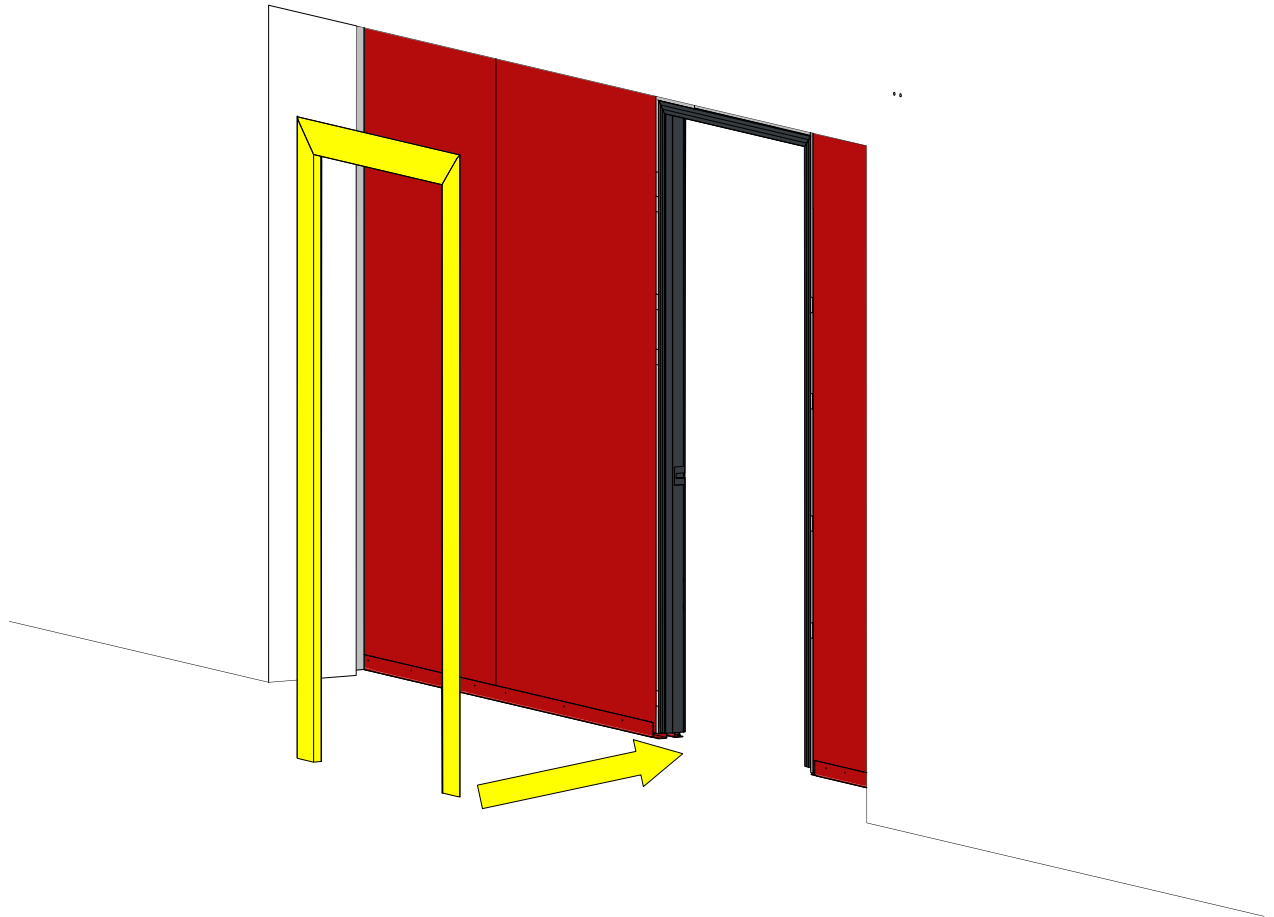


11.10 USE SELF TAPPING SCREWS $\varnothing 6,3 \times 60$ FOR PERIMETER FIXATION INSIDE OF FRAME. THEN USE RIVIETS $\varnothing 4$ TO FIX FRAME ON FRONT OF GATE LEAF.

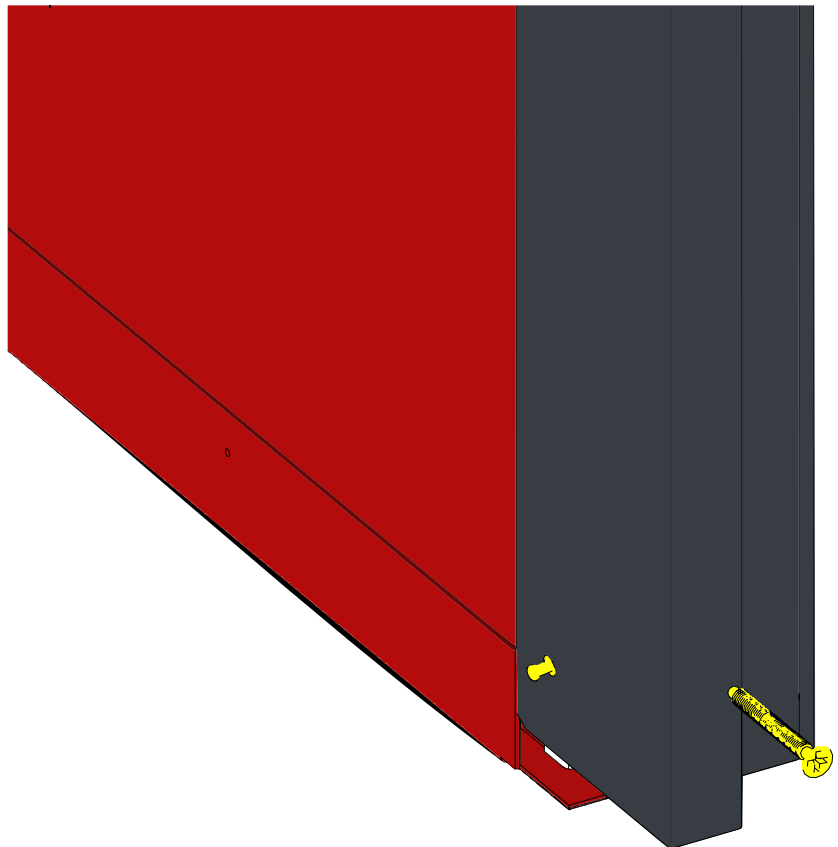


ALL FIXATION WITH SCREWS $\varnothing 6,3 \times 60$ OBLIGATORY GO THROUGH C-REINFORCEMENTS (MARKED YELLOW)

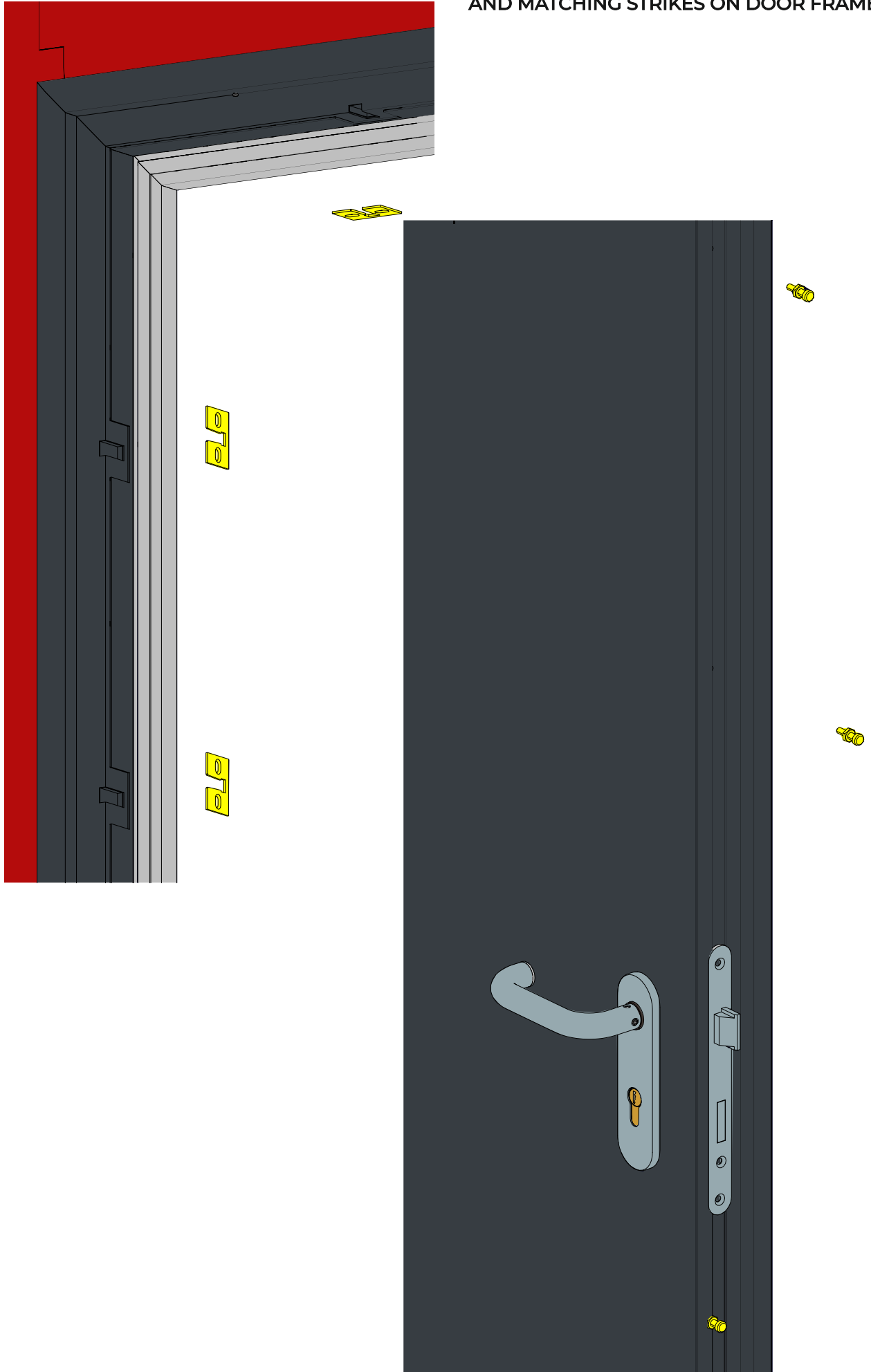
11.11 GET OPPOSITE-SIDE PART OF DOOR FRAME INSIDE OPENING



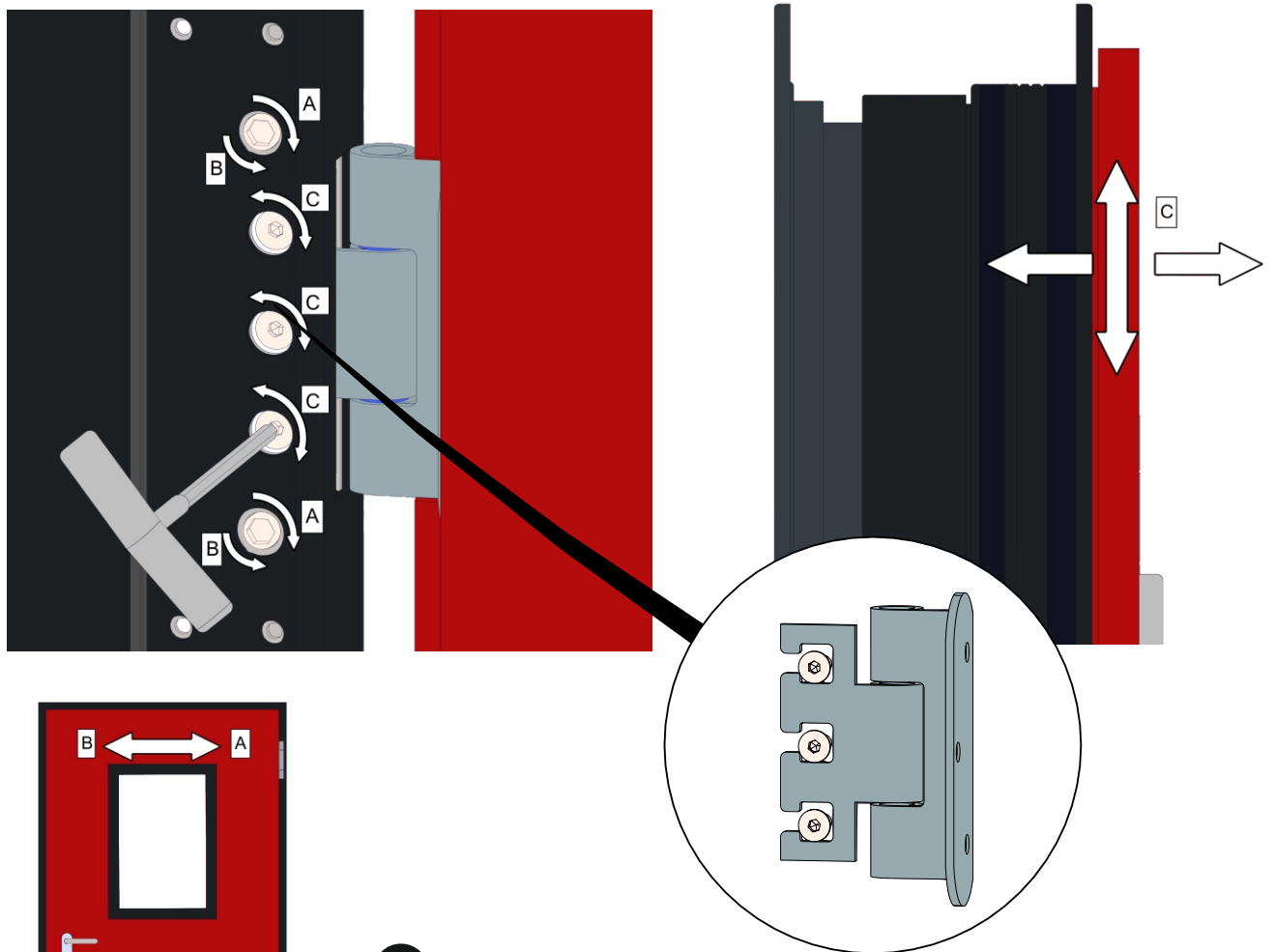
11.12 USE SELF TAPPING SCREWS $\varnothing 6,3 \times 60$ FOR PERIMETER FIXATION OUTSIDE OF FRAME. THEN USE RIVIETS $\varnothing 4$ TO FIX FRAME ON FRONT OF GATE LEAF.



11.13 SCREW FIRE SAFETY PINS INSIDE PREPARED SCREW NUTS ON PERIMETR OF DOOR LEAF
AND MATCHING STRIKES ON DOOR FRAME

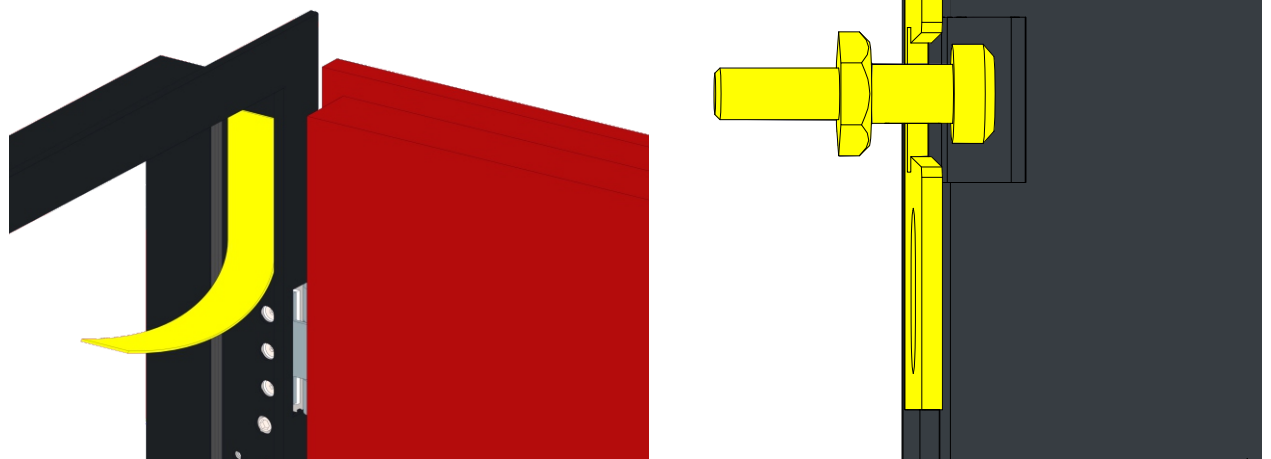


11.14 GET LEAF INSIDE. METHOD OF ADJUSTMENT 3D HINGES. CHECK FITTING PINS AND STRIKES FROM PREVIOUS SECTION NR 11.



11.14 CHECK FITTING PINS VS STRIKES (PREVIOUS SECTION NR 11.10)

11.15 GLUEING INTUMESCENT STRIP ON PERIMETR OF FRAME



11.17

USE SPACER PROFILE (MARKED YELLOW) AND FIX DOOR CLOSER DORMAKABA OR ECO SCHULTE. MOUNTING OF DOOR CLOSER ACCORDING TO PRODUCER MANUAL

