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INSTALLATION MANUAL OF SINGLE LEAF SLIDING GATES TYPE DFM SG 60-1, SG 90-1

fire resistant range $EI_1$60, $EI_2$60, $EI_1$90, $EI_2$90

v. EN SL 1.5.2020

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 AND NOMENCLATURE

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 and cartons. In case of any claim a note CMR must be made and photos taken and sent to: it@dfm-europe.eu

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

ORDER

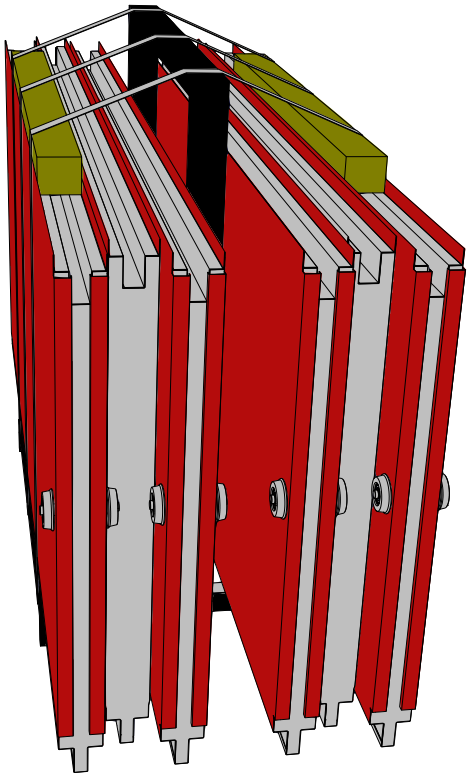
PROJECT NAME: „SOHO X.199808"
PROJECT GATE NUMBER: „74"

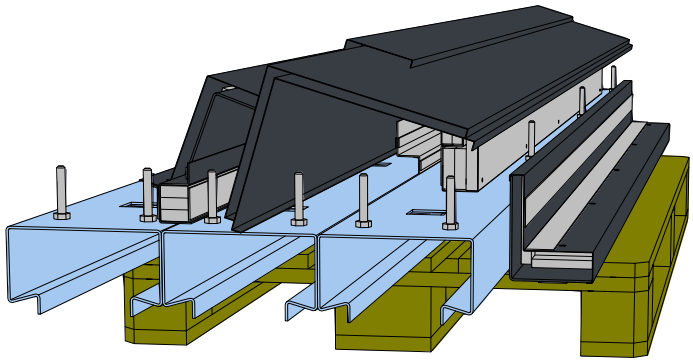
PACKING LIST

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.

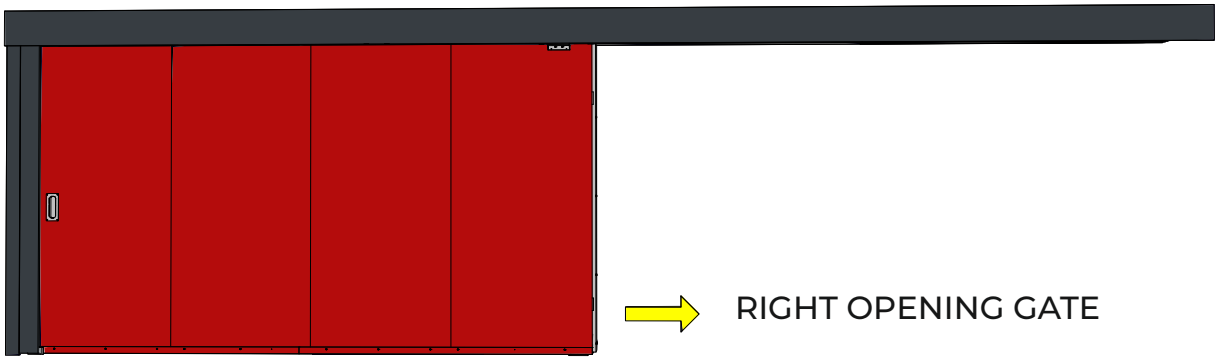
02819-EU-2020

PACZKI / EQUIPMENT **2/3**

Oznaczenie projektowe / Project Name

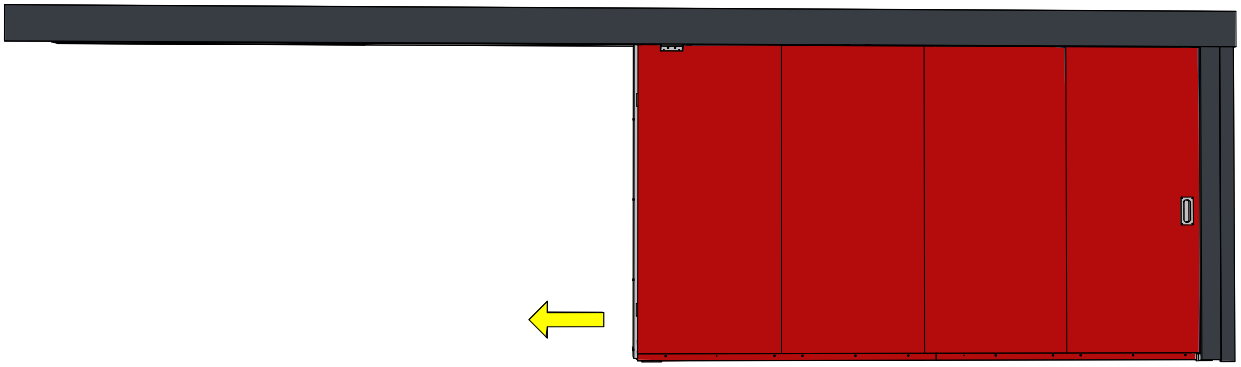
Data Produkcji / Prod Date : 2020-11-03

1.3 NOMENCLATURE



RIGHT OPENING GATE

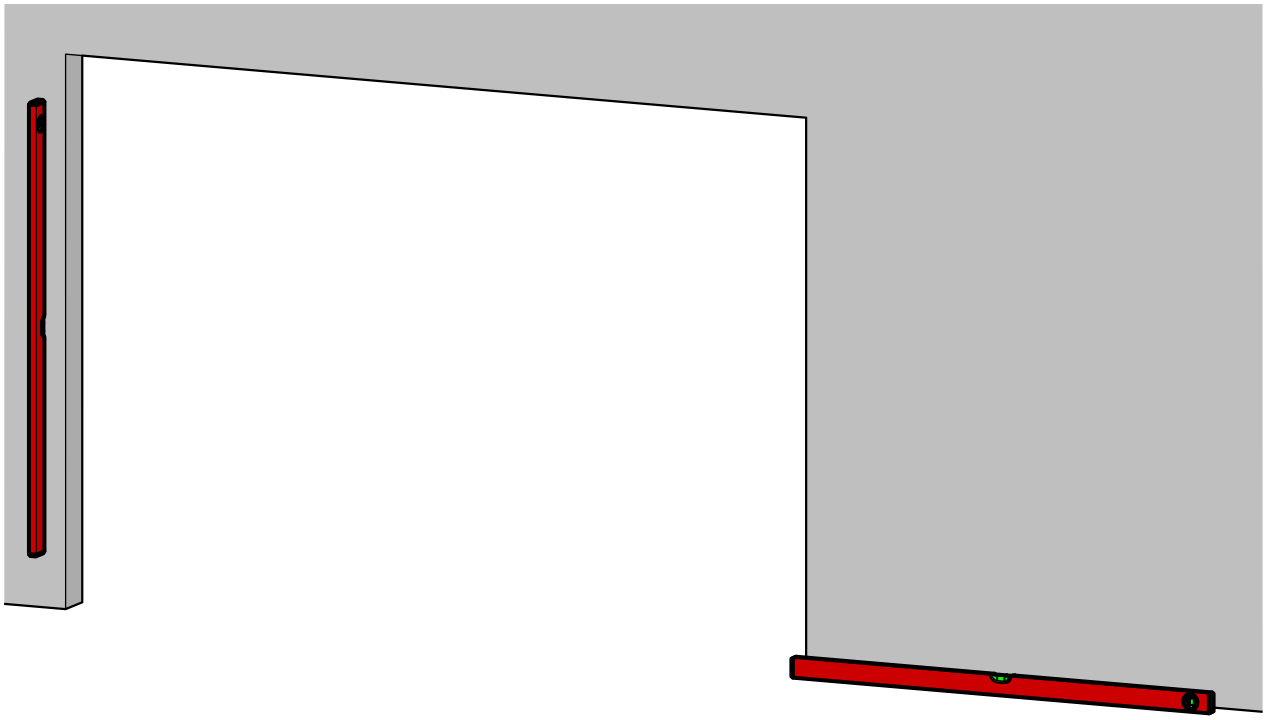
e.g: DFM SG 90-2 SG = sliding gate, 90 = $EI_1$90 and $EI_2$90, 2 = double leaf
DFM SG 60-1 SG = sliding gate, 60 = $EI_1$60 and $EI_2$60, 1 = single leaf



LEFT OPENING GATE

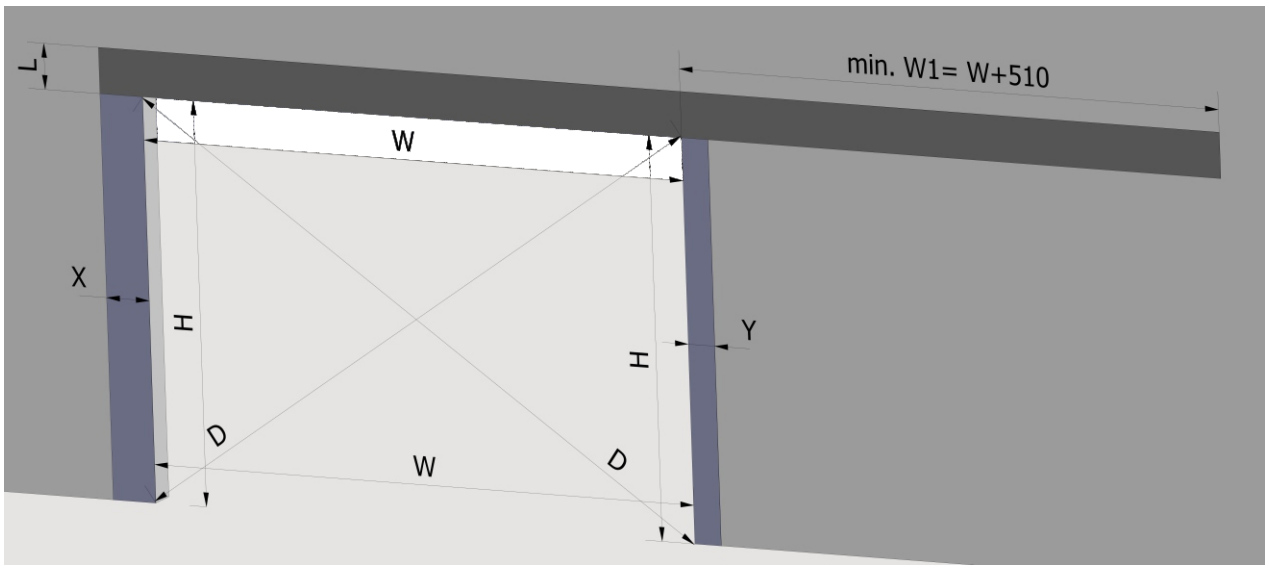
IF YOU GET GATE WITH EVACUTION DOOR SEE ALSO SECTION NR 11

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 OR LOWERED.

2.1 SINGLE-LEAF SLIDING GATE. MINIMAL FREE SPACE FOR MOVING LEAF



W - WIGHT OF CLEAR STRUCTURAL OPENING
H - HEIGHT OF CLEAR STRUCTURAL OPENING
D - CHECK DIAGONALS, BOTH MUST BE EQUAL
X - SPACE
Y - SPACE
W1 - REQUIRED MINIMAL SPACE FOR
L - LINTEL

IF YOU HAVE LINTEL DIMENTION LESS THAN 450MM PLEASE CONTACT US BEFORE ORDERING THE GATE. DETAILS SEE SUB-POINT 6.5

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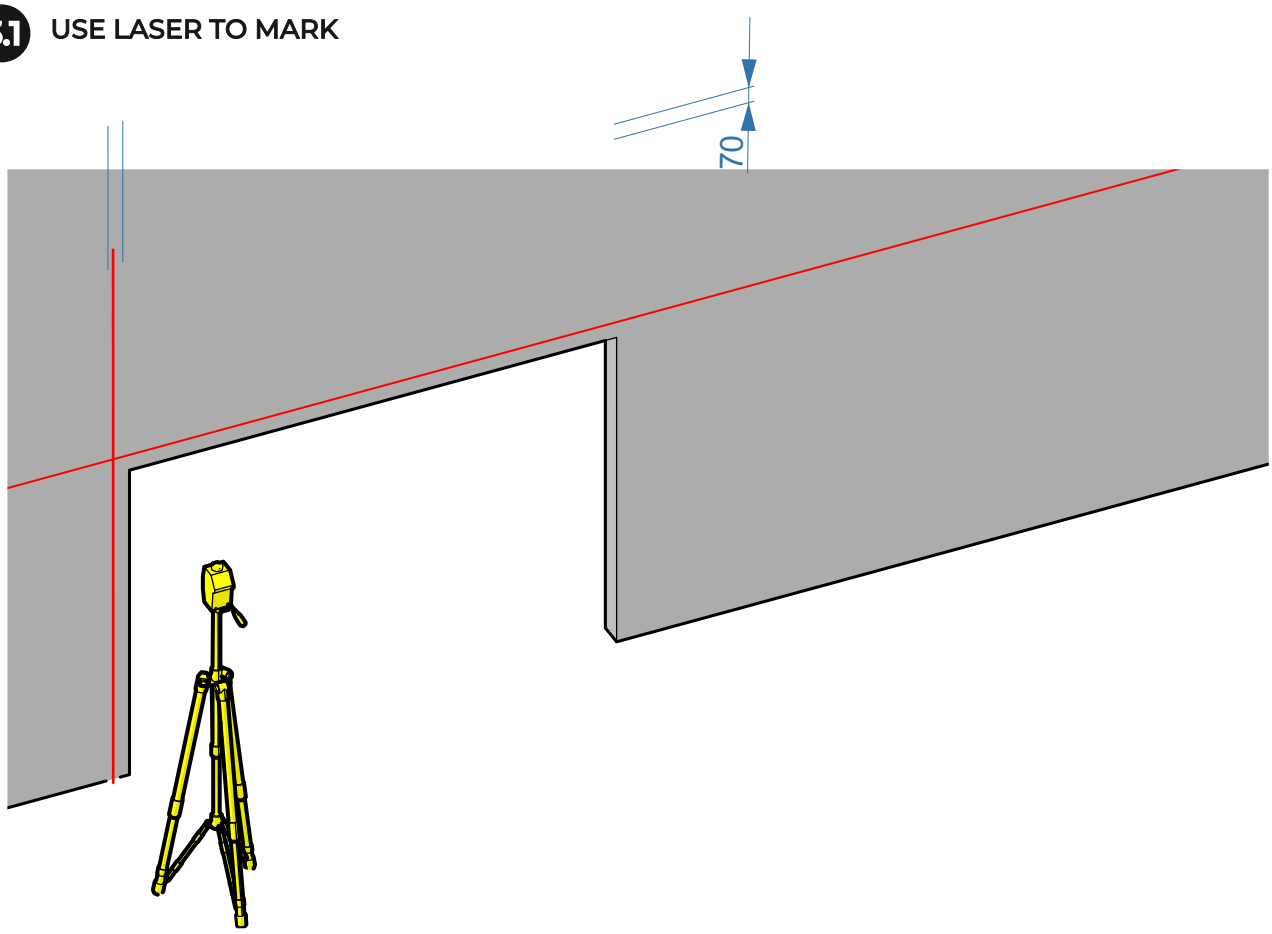
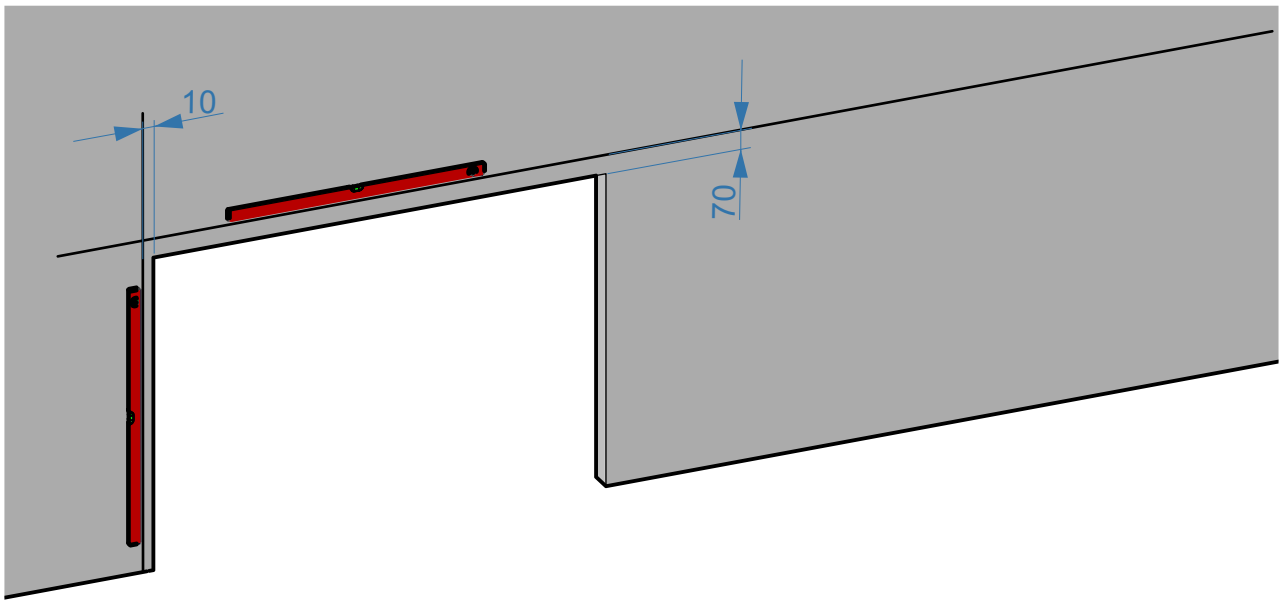
3 MARKING PLACES FOR RAIL AND FRONT FIRE TIGHT ELEMENT

3.1 USE LASER TO MARK

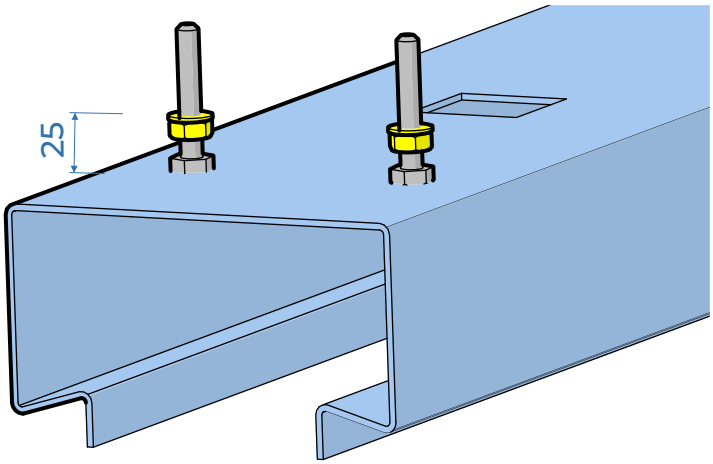


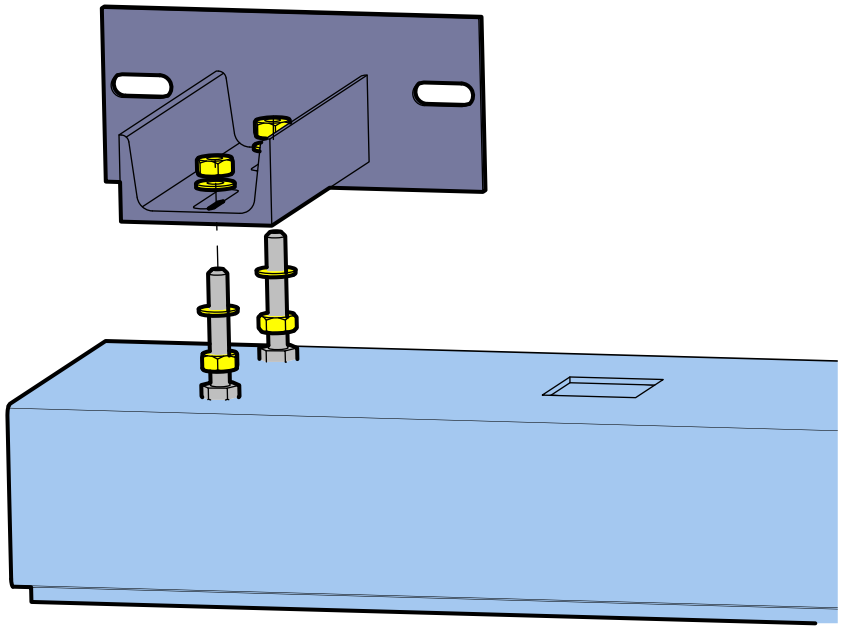
3.2 USE HAND LEVEL TO MARK

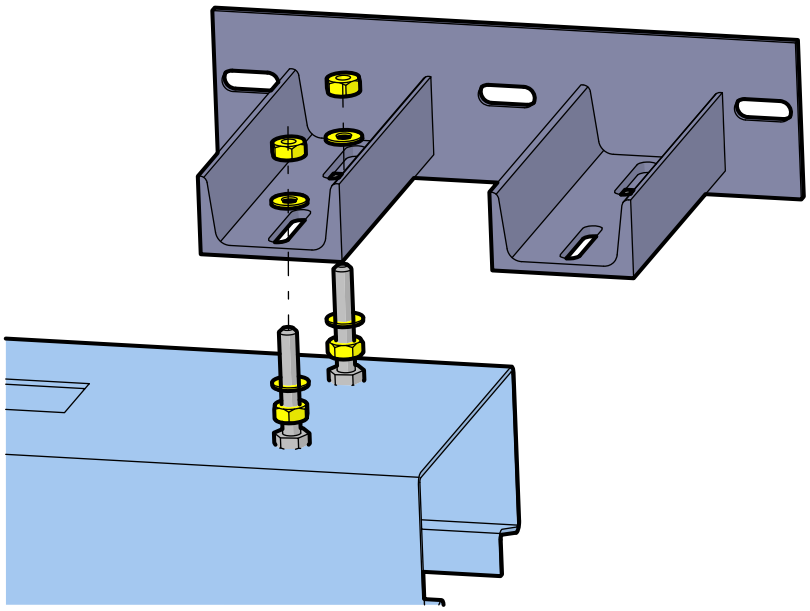


4 ASSEMBLING AND FIXING OF THE RUNNING RAIL

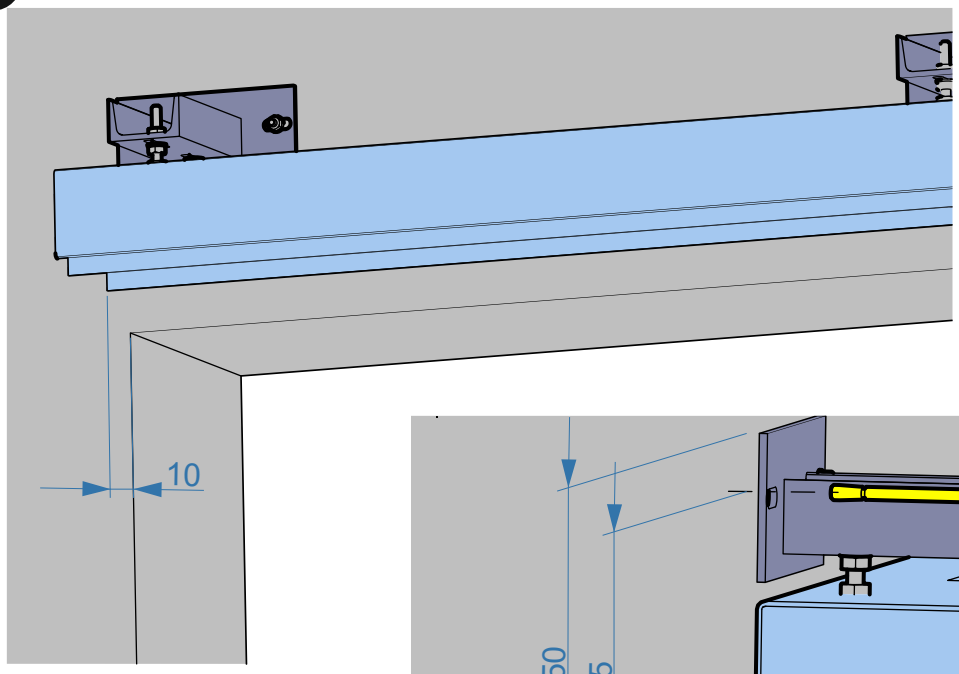
4.1 FIX ALL BRACKETS ON THE RAIL

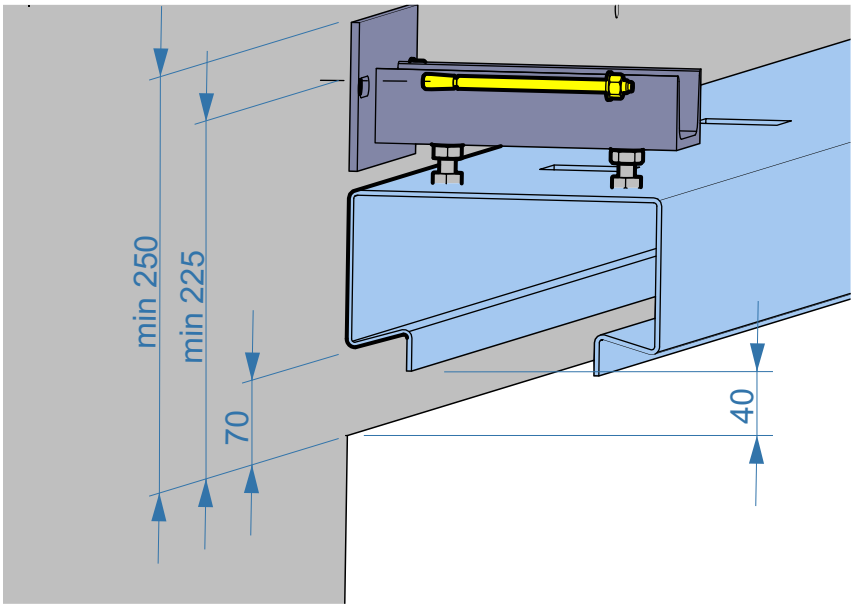


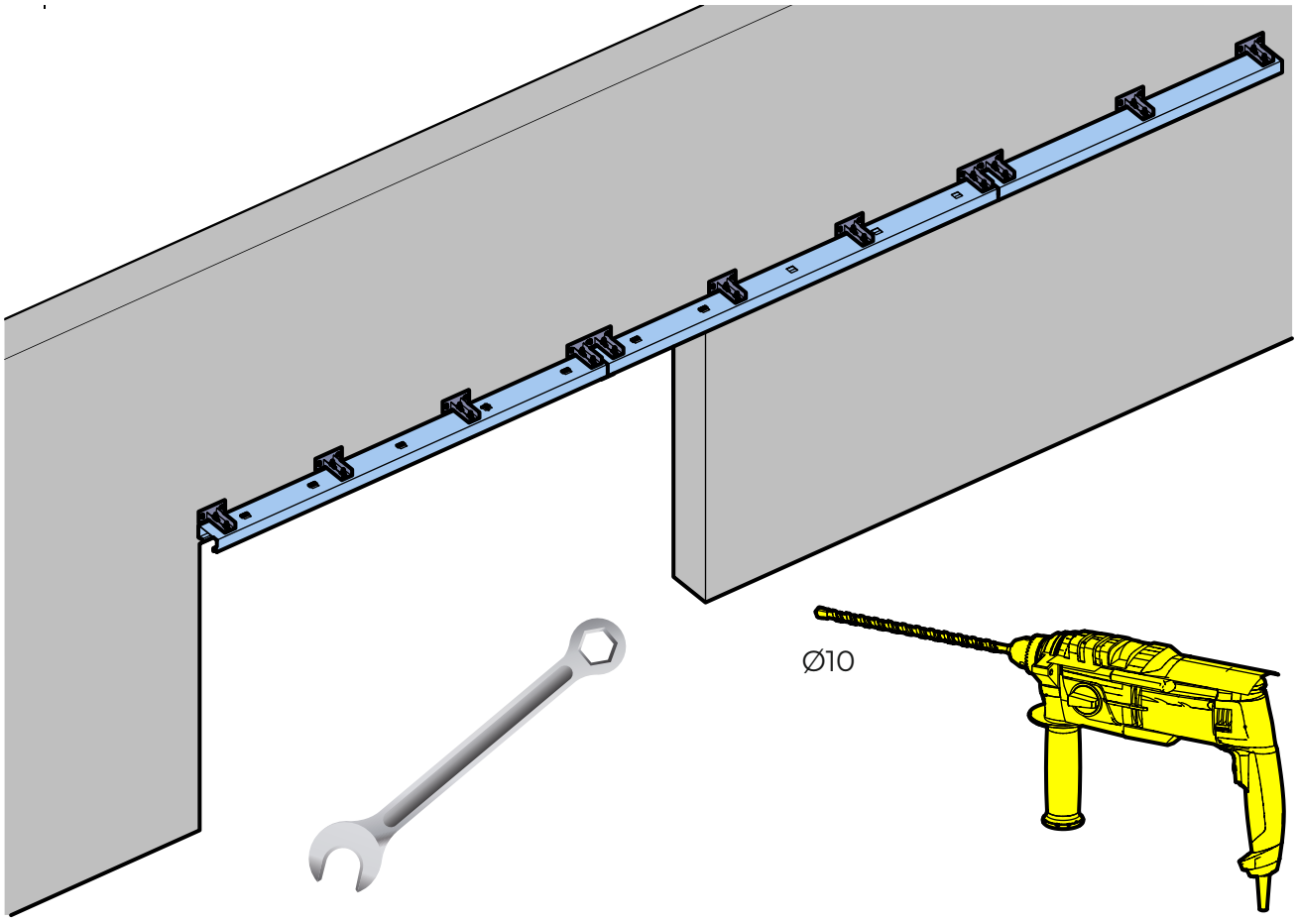




4.2 DIMENTIONS FOR FIXING FIRST PART OF RAIL

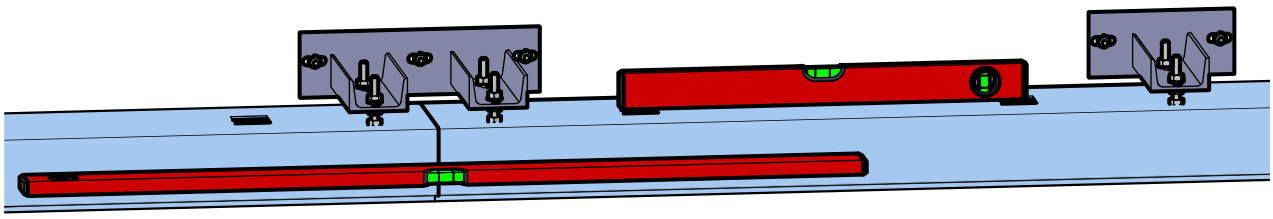






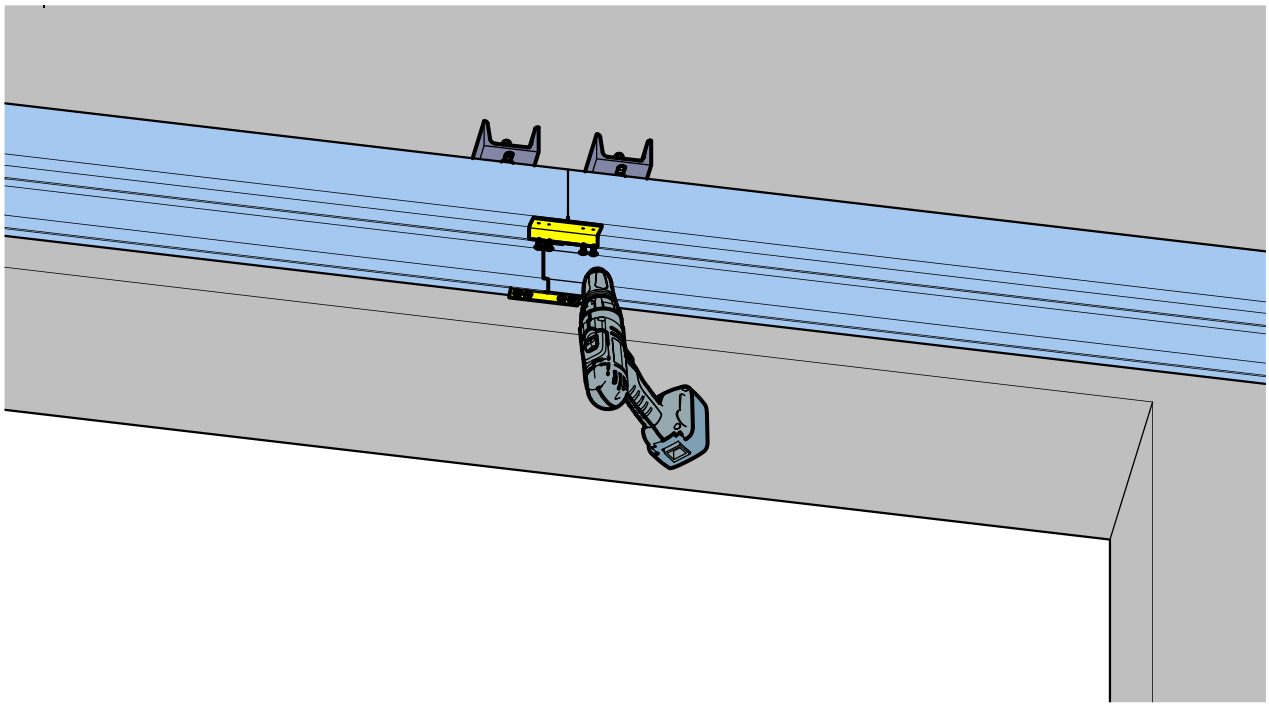
Ø10

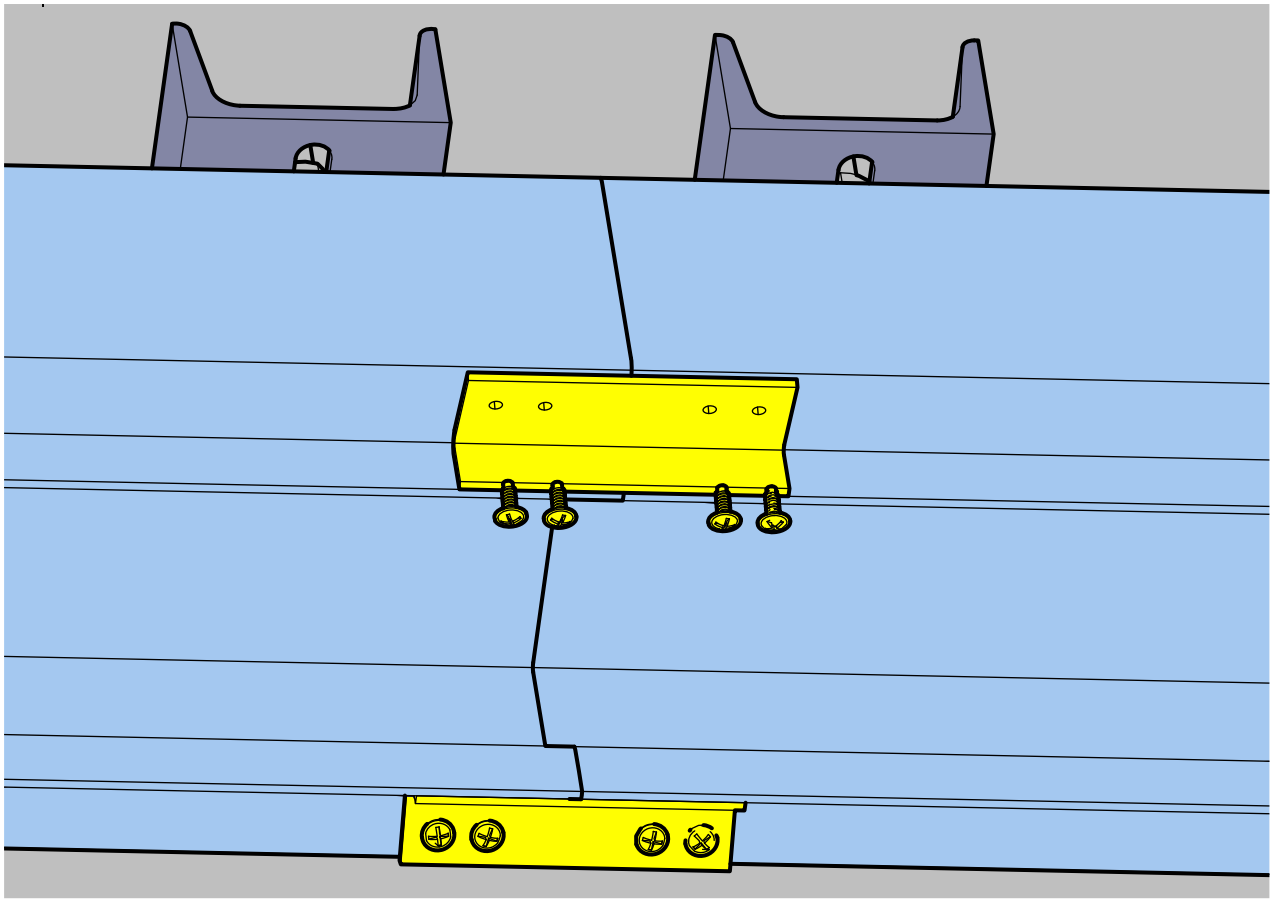
4.3 CHECK ALIGNMENT AND HORIZONTAL LEVEL OF RAILS.



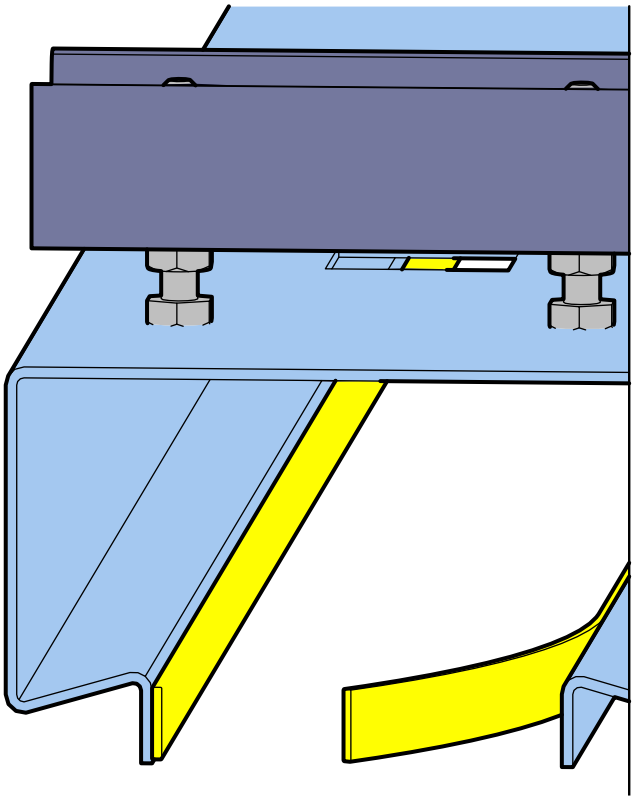
ALIGNMENT CONNECTION OF RAILS

4.4 JOINT PARTS OF RAILS. USE SELF TAPPING SCREWS ø4,2x16

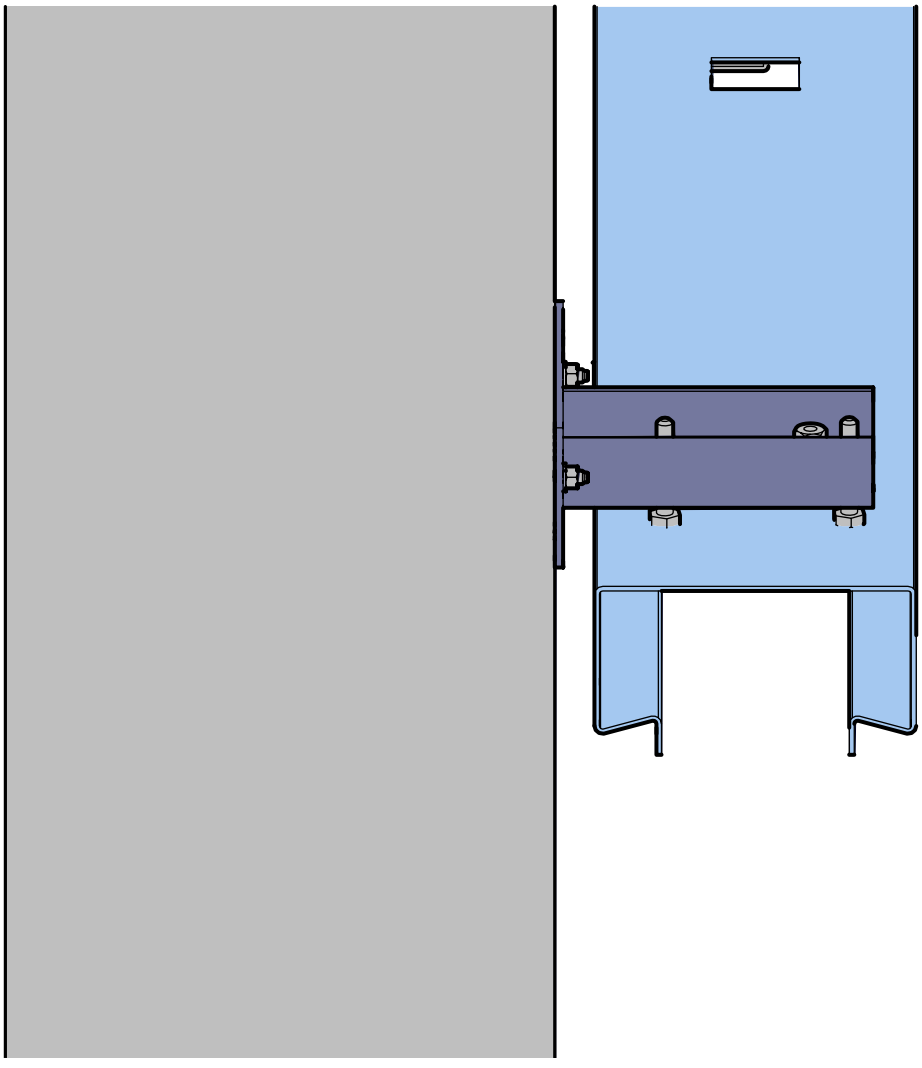




4.5 GLUEING INTUMISCENT STRIP 15 x 2 MM INSIDE RAIL, ONLY IN THE AREA OF WALL OPENING



4.6 FILL MINERAL WOOL ANY GAPS AND ALL SPACES BETWEEN WALL AN GATE RAIL. ONLY IN THE AREA WALL OPENING



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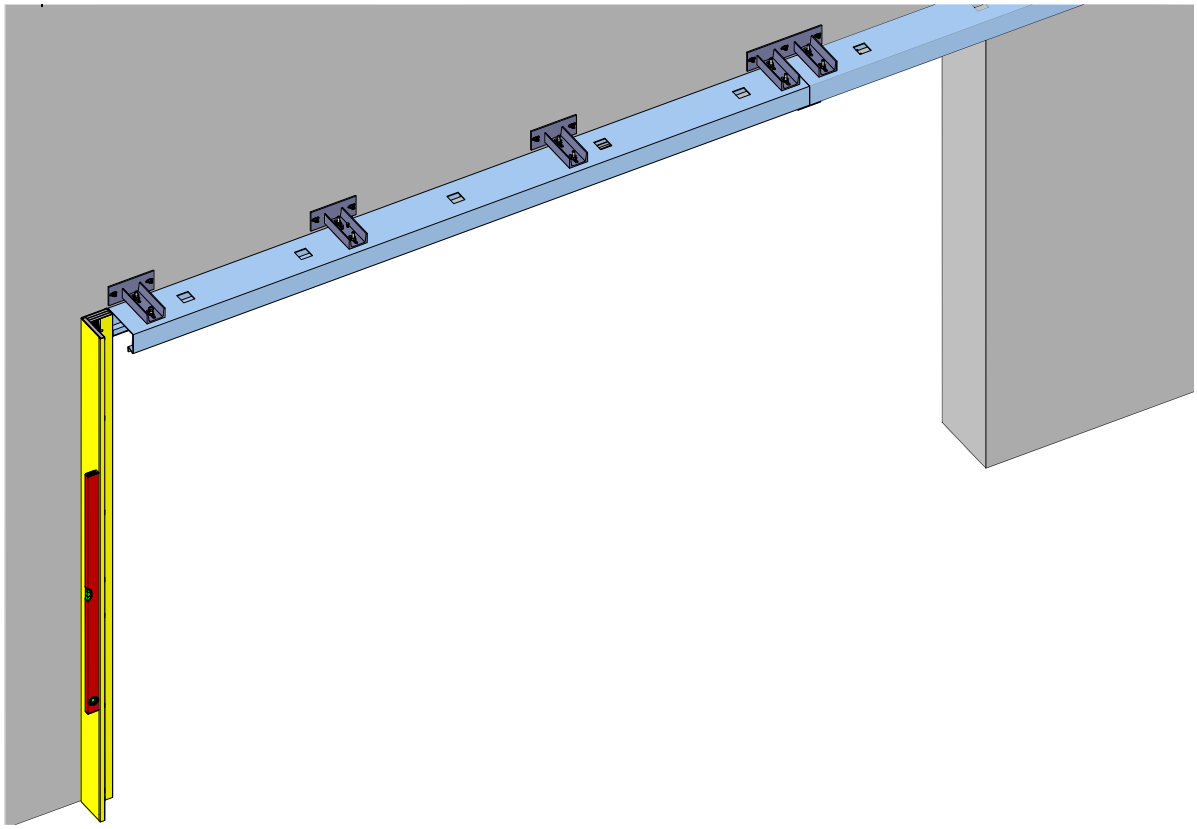
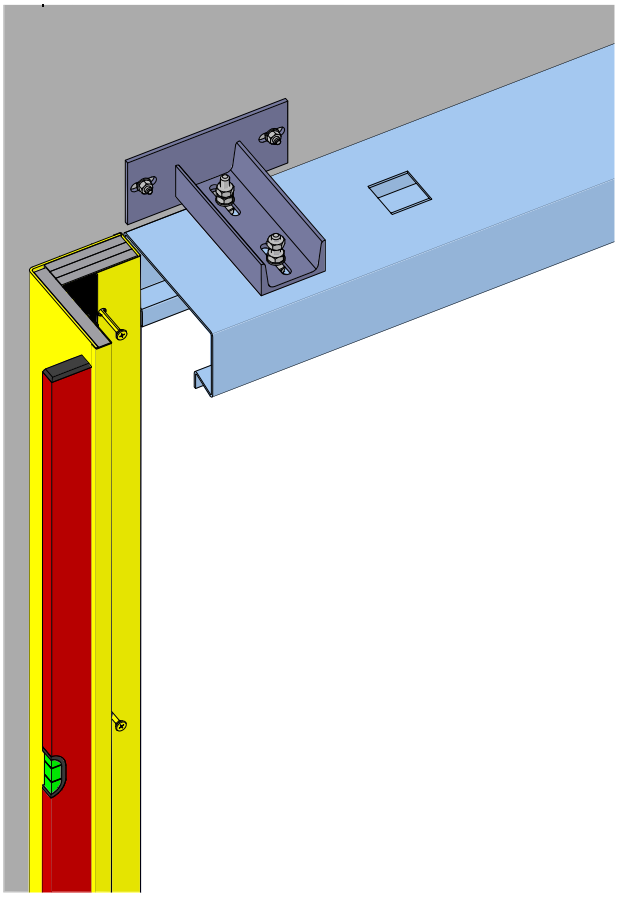
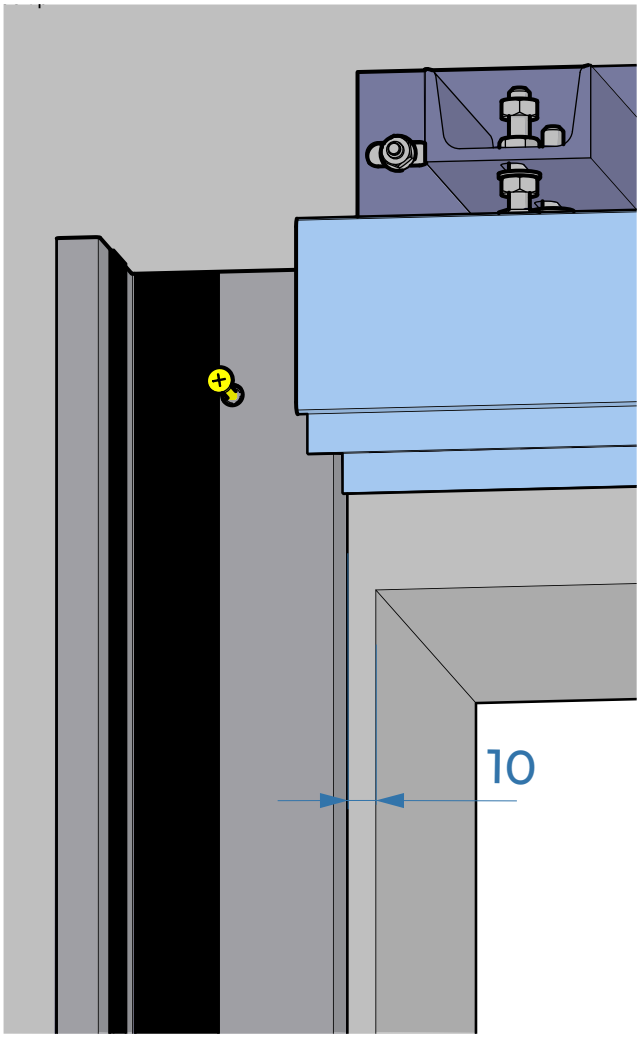
5 FIXING VERTICAL PARTS

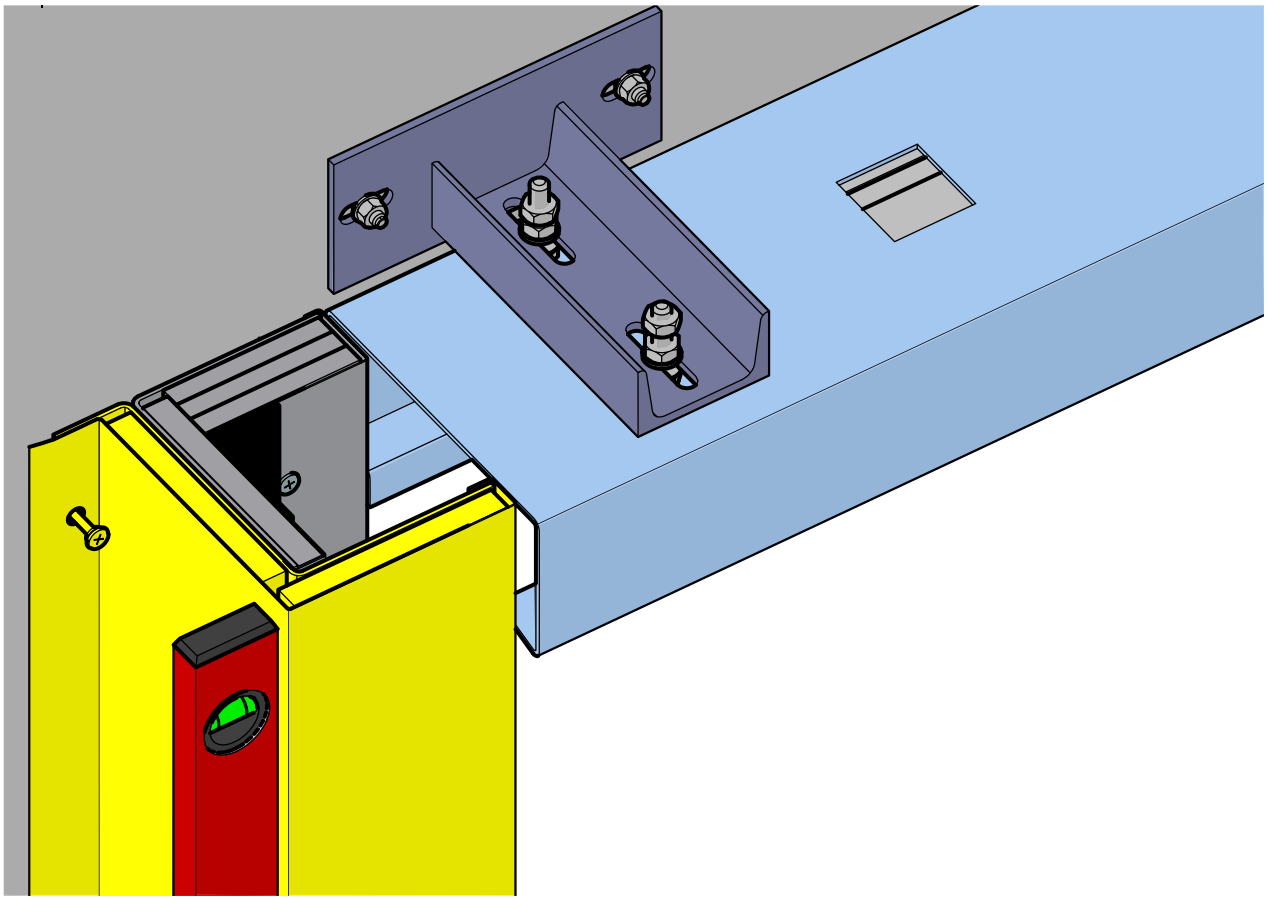
5.1 FRONT FIRE TIGHT L-ELEMENT. USE ANCHORS ø10x112

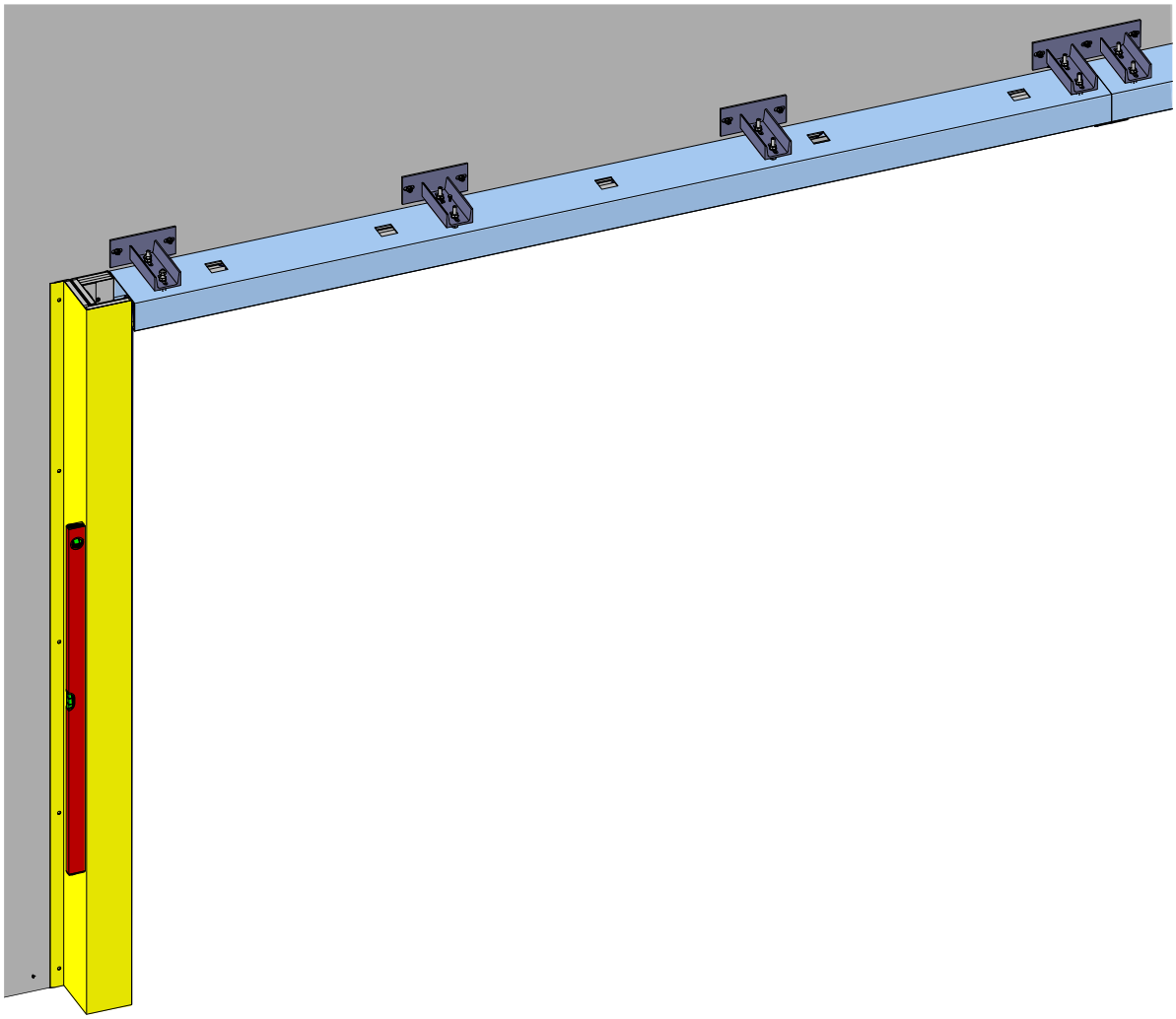






5.2 FRONT FIRE TIGHT Z - ELEMENT. USE ANCHORS ⌀10x112





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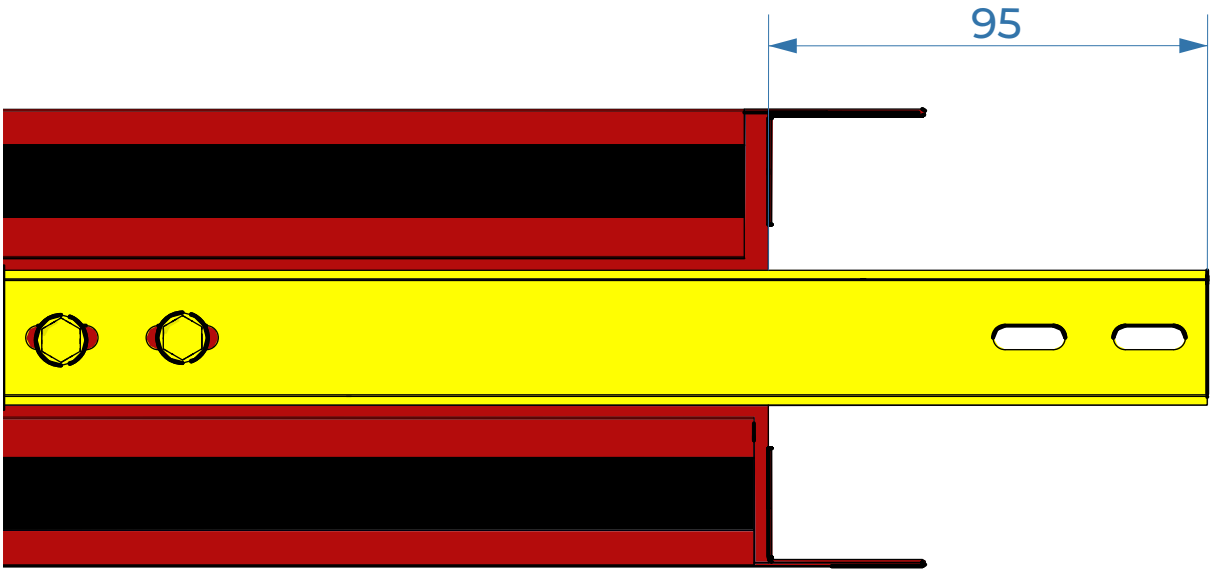
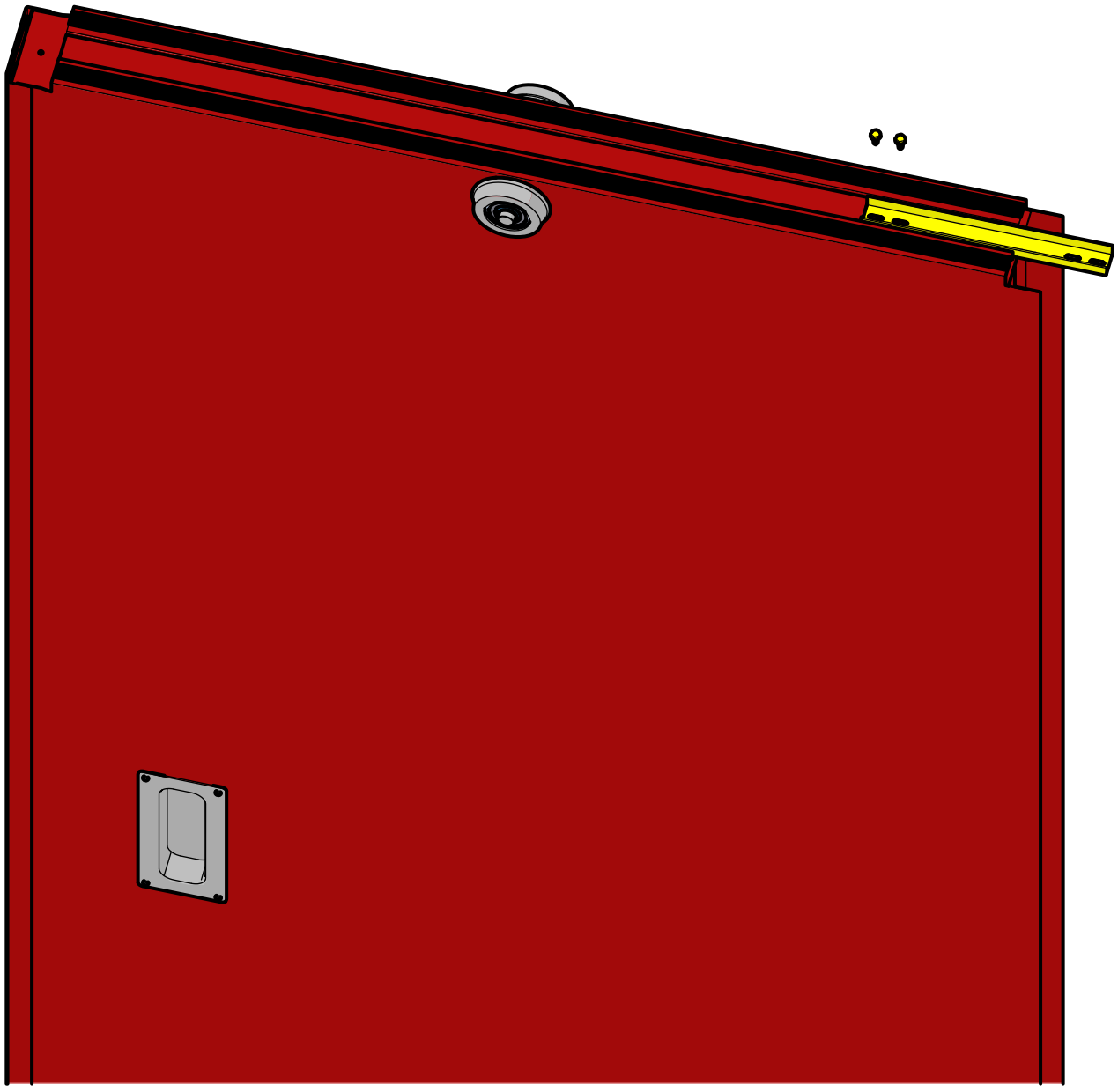
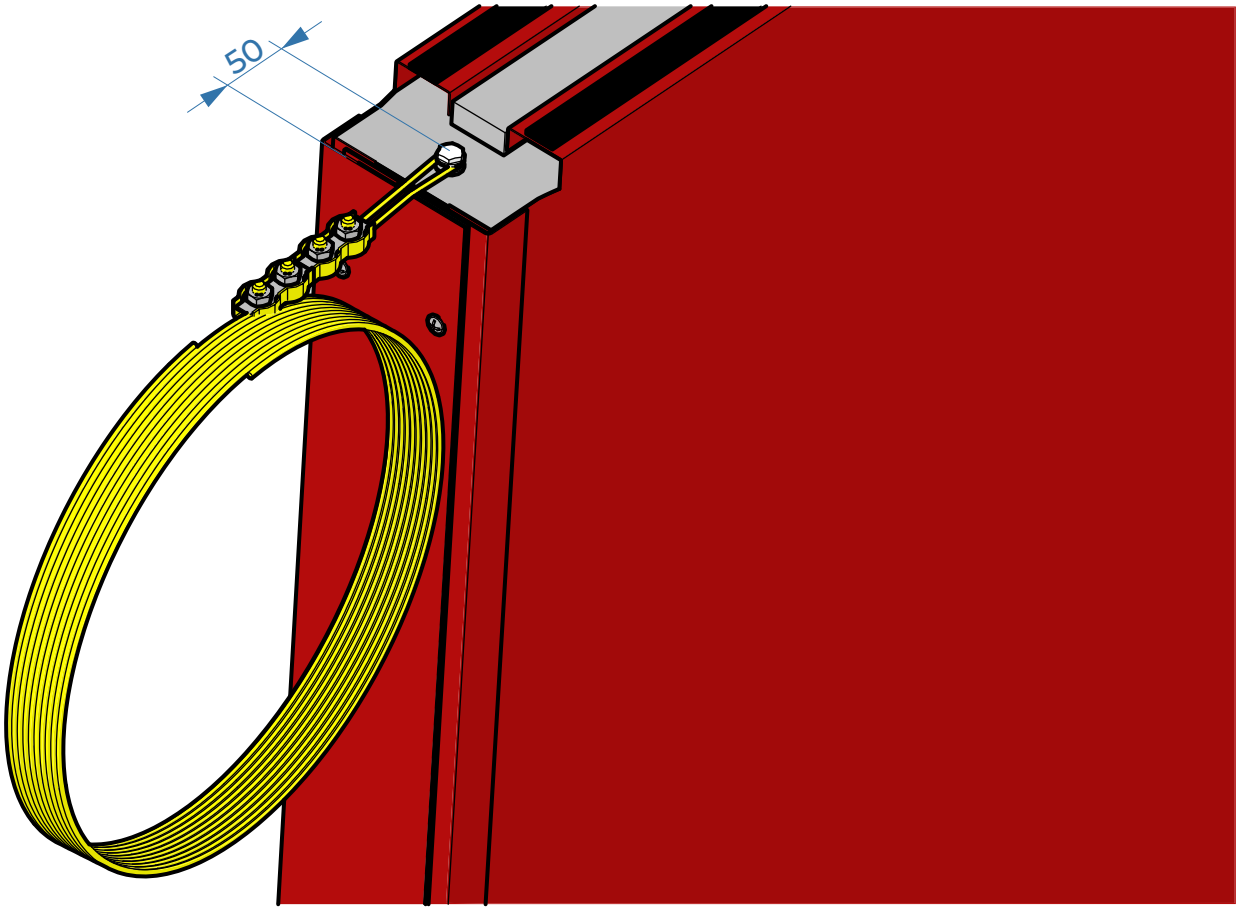
6 LEAF ASSEMBLING

6.1 IDENTIFY FIRST PANEL ON LABEL LOCATED ON EDGES PF PANELS. SCREW UPPER CONNECTOR. USE ⌀4,8x22 SCREWS

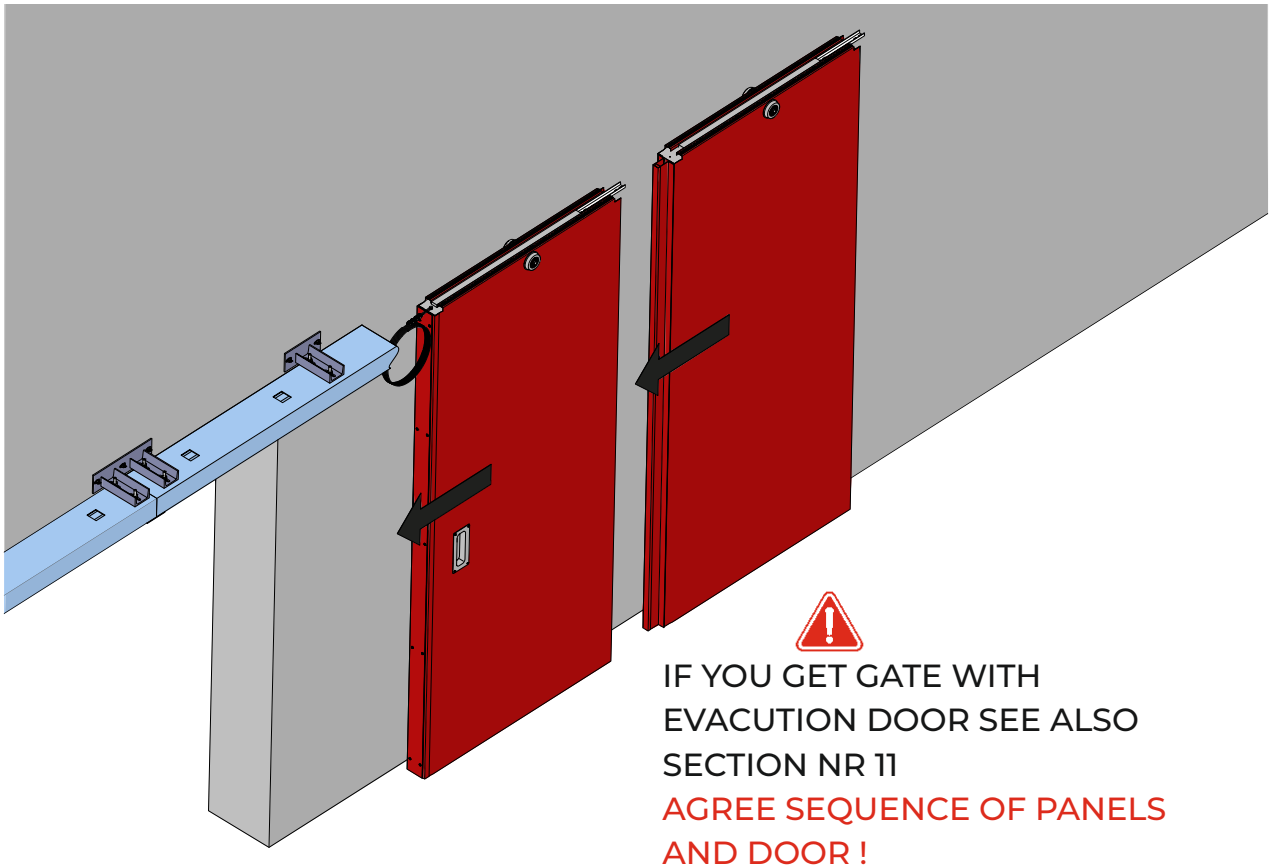




6.2 USING SELFDRILLING SCREW ø6.3 MOUNT STEEL ROPE



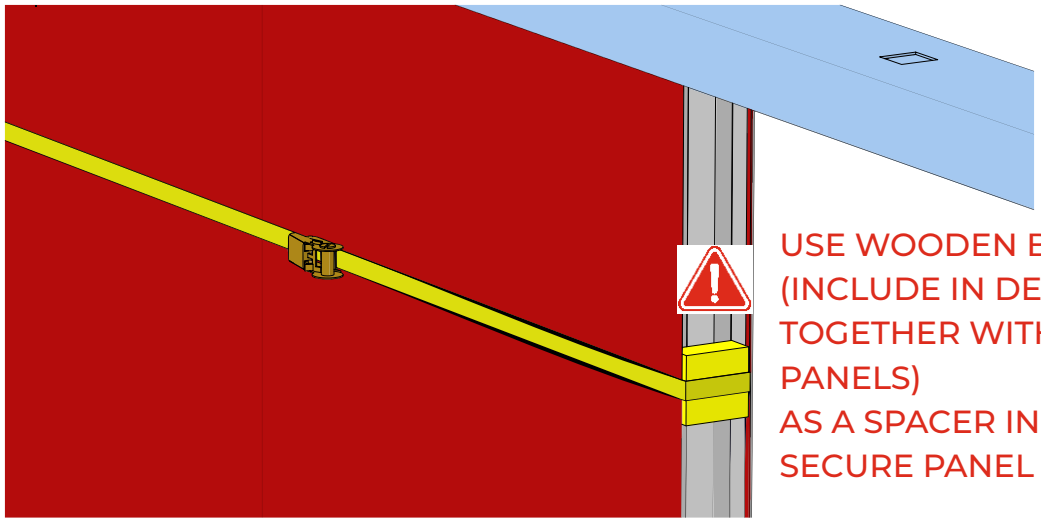
6.3 ENTER PANELS INSIDE RAIL



IF YOU GET GATE WITH EVACUTION DOOR SEE ALSO SECTION NR 11

AGREE SEQUENCE OF PANELS AND DOOR !

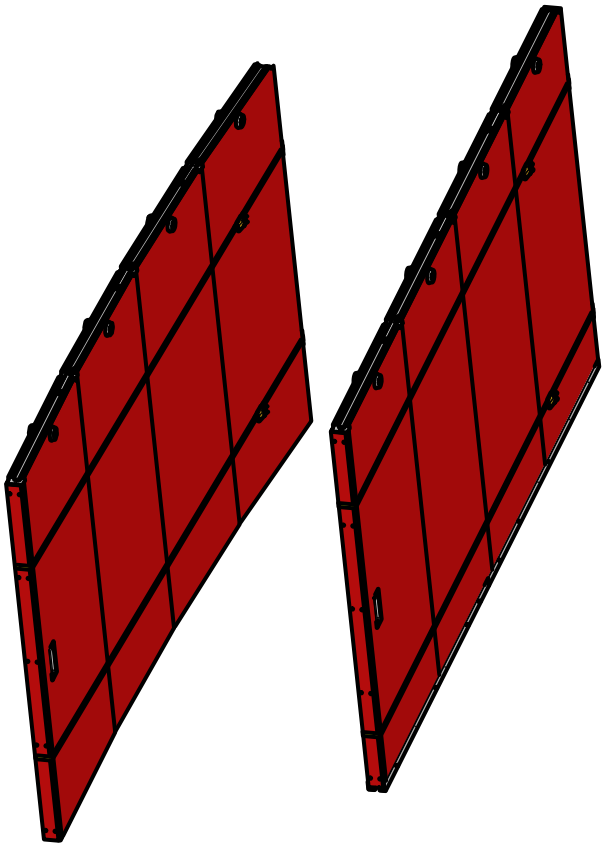
6.4 LEAF BELTED DOWN



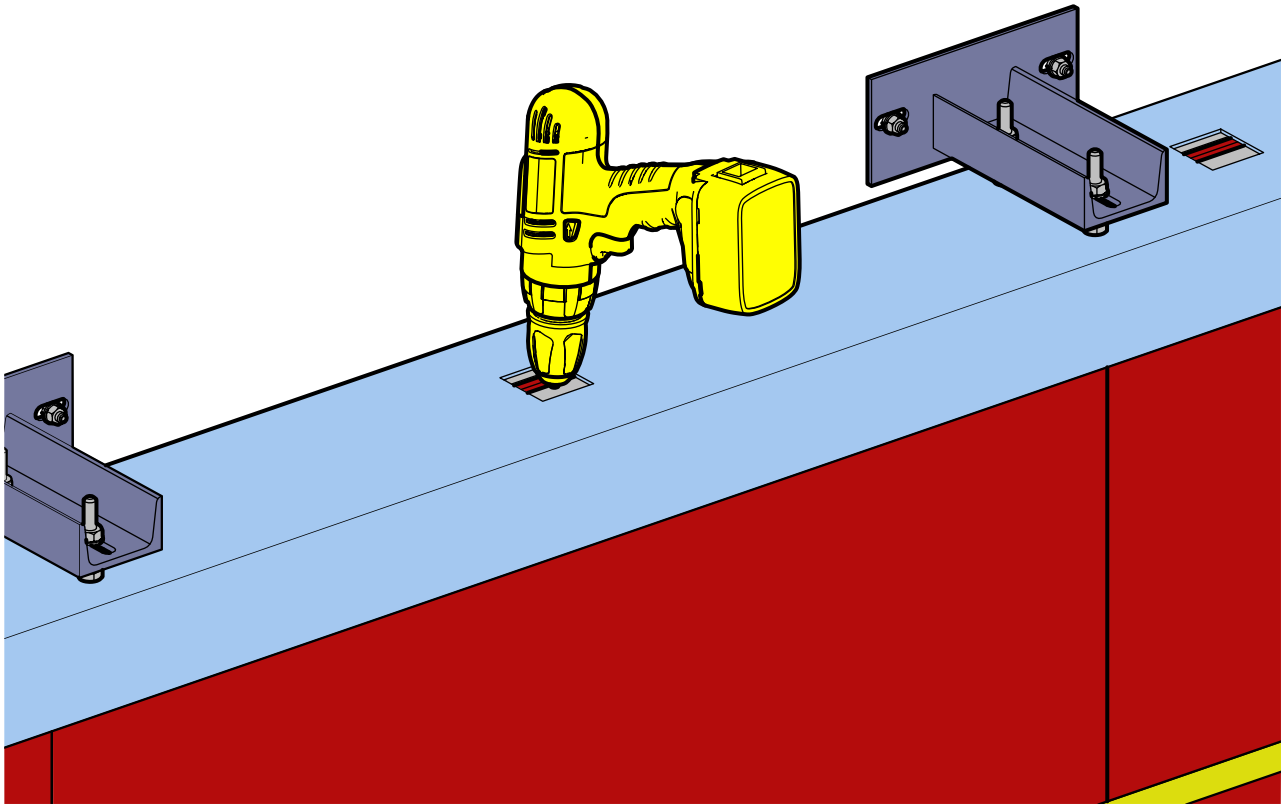
USE WOODEN BLOCK (INCLUDE IN DELIVERY TOGETHER WITH PANELS)
AS A SPACER IN AIM TO SECURE PANEL

6.5 CHECK AT THE BOTTOM GATE LEAF ALIGMENT OF PANELS. ALSO PARALLEL LOCATION ONE IN RELATIVE TO SECOND

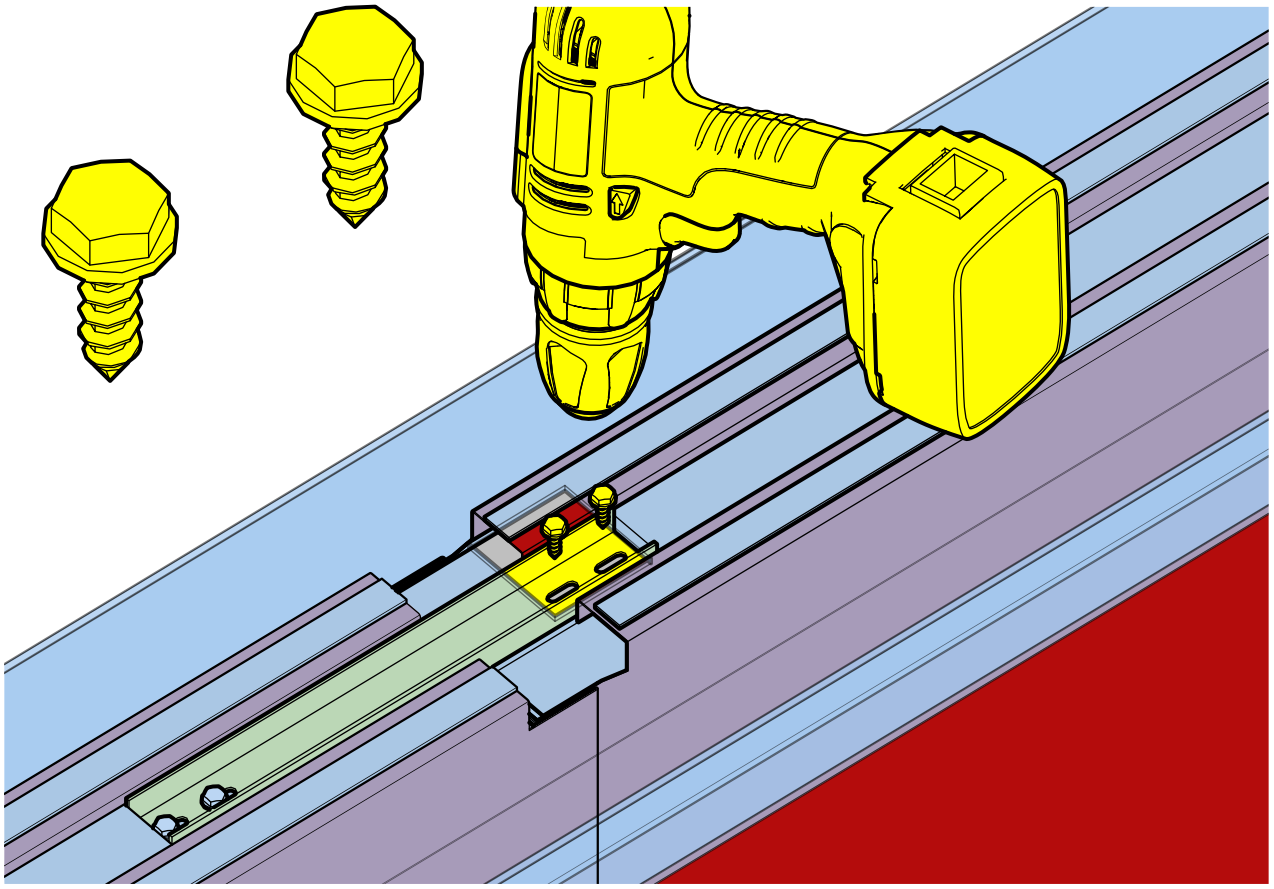
6.6 KEEP PANELS STRAIGHT



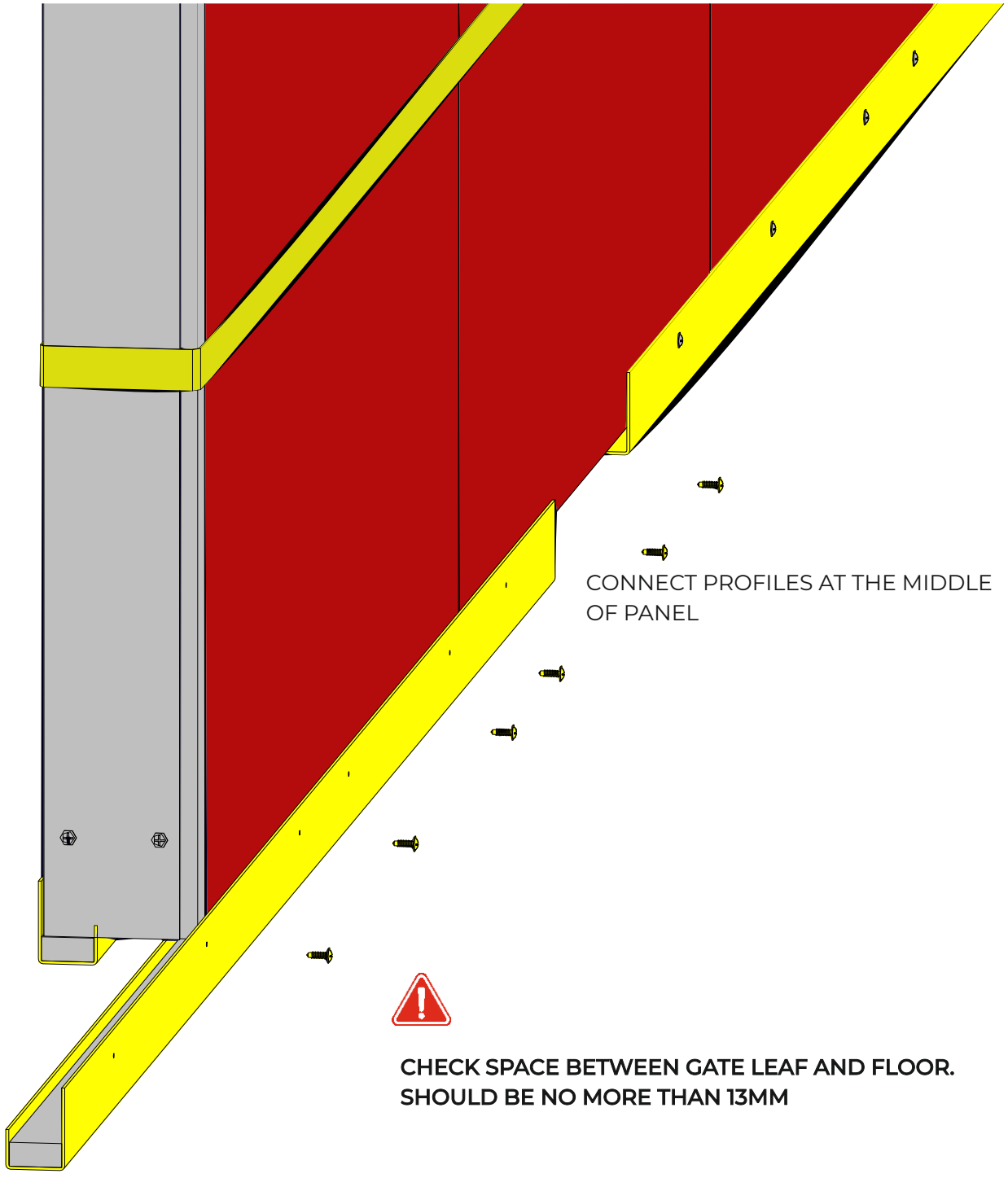
6.7 USING SELF TAPPING SCREW ⌀4.8x22 JOINT PANELS THROUGH OPENINGS IN GATE RAIL



IF YOU HAVE LINTEL DIMENTION LESS THAN 450MM PLEASE CONTACT US BEFORE ORDERING THE GATE. THEREFORE WILL PREPARED ANOTHER METHOD OF PANEL CONNECTION - OPENINGS IN GATE RAIL ON VERTICAL FRONT SIDE OF RAIL



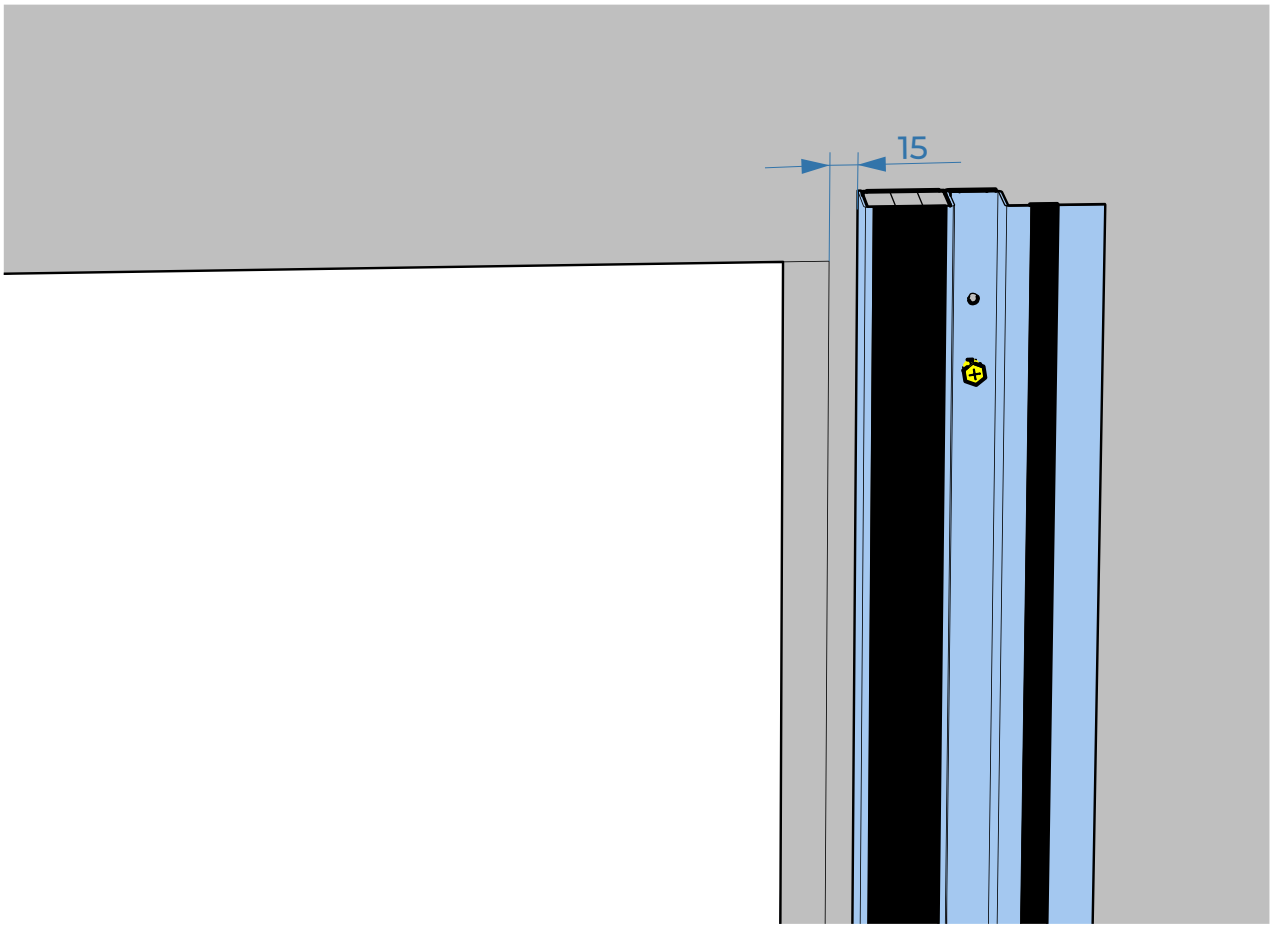
6.8 SLIP FRONT (LEFT AND RIGHT), REAR (ALSO LEFT AND RIGHT) BOTTOM PROFILE CONNECTORS UNDER THE BOTTOM OF THE PANELS. THEN USE SELF TAPPING SCREWS ⌀4.2x13



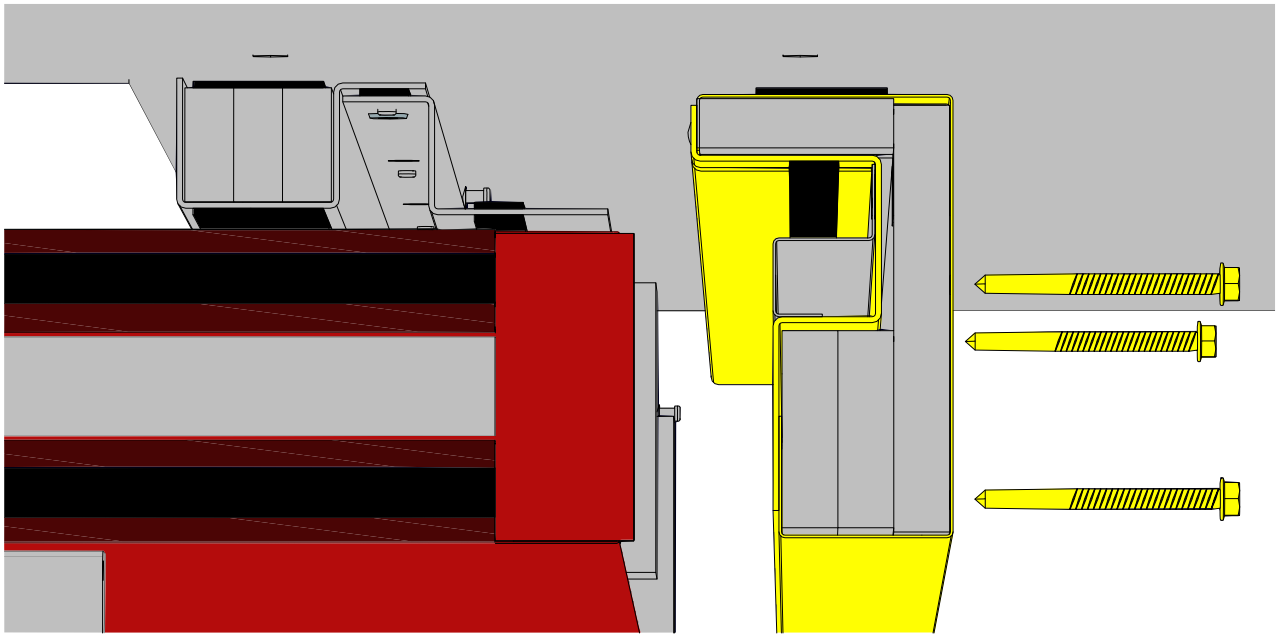
CONNECT PROFILES AT THE MIDDLE OF PANEL

CHECK SPACE BETWEEN GATE LEAF AND FLOOR. SHOULD BE NO MORE THAN 13MM

6.9 AT THE REAR PART OF WALL OPENING USE ANCHORS ø10x112 AND FIX REAR WALL FIRE TIGHT ELEMENT.

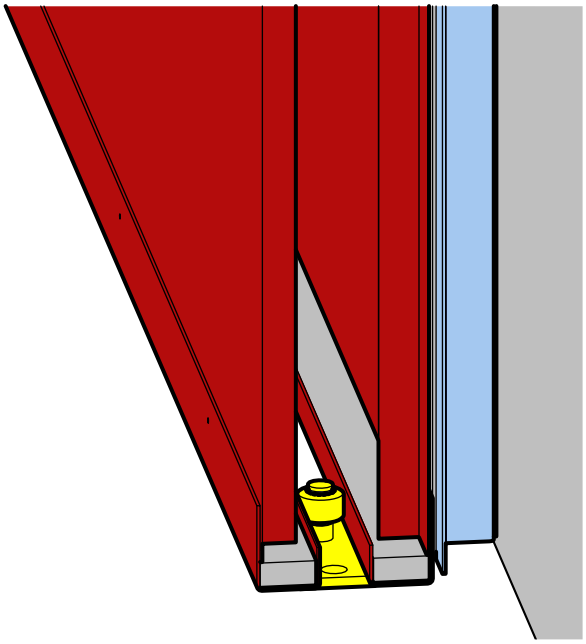


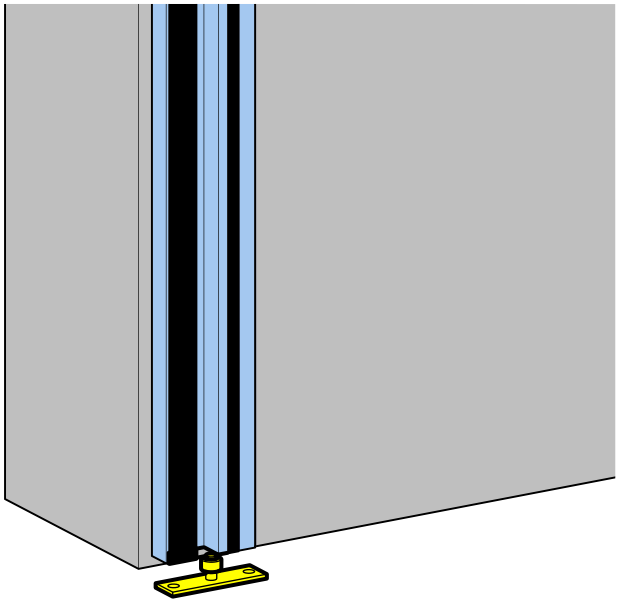
6.10 AT THE REAR PART OF GATE LEAF USE SELF DRILLING SCREWS ø6.3x75 AND FIX REAR LEAF FIRE TIGHT ELEMENT.



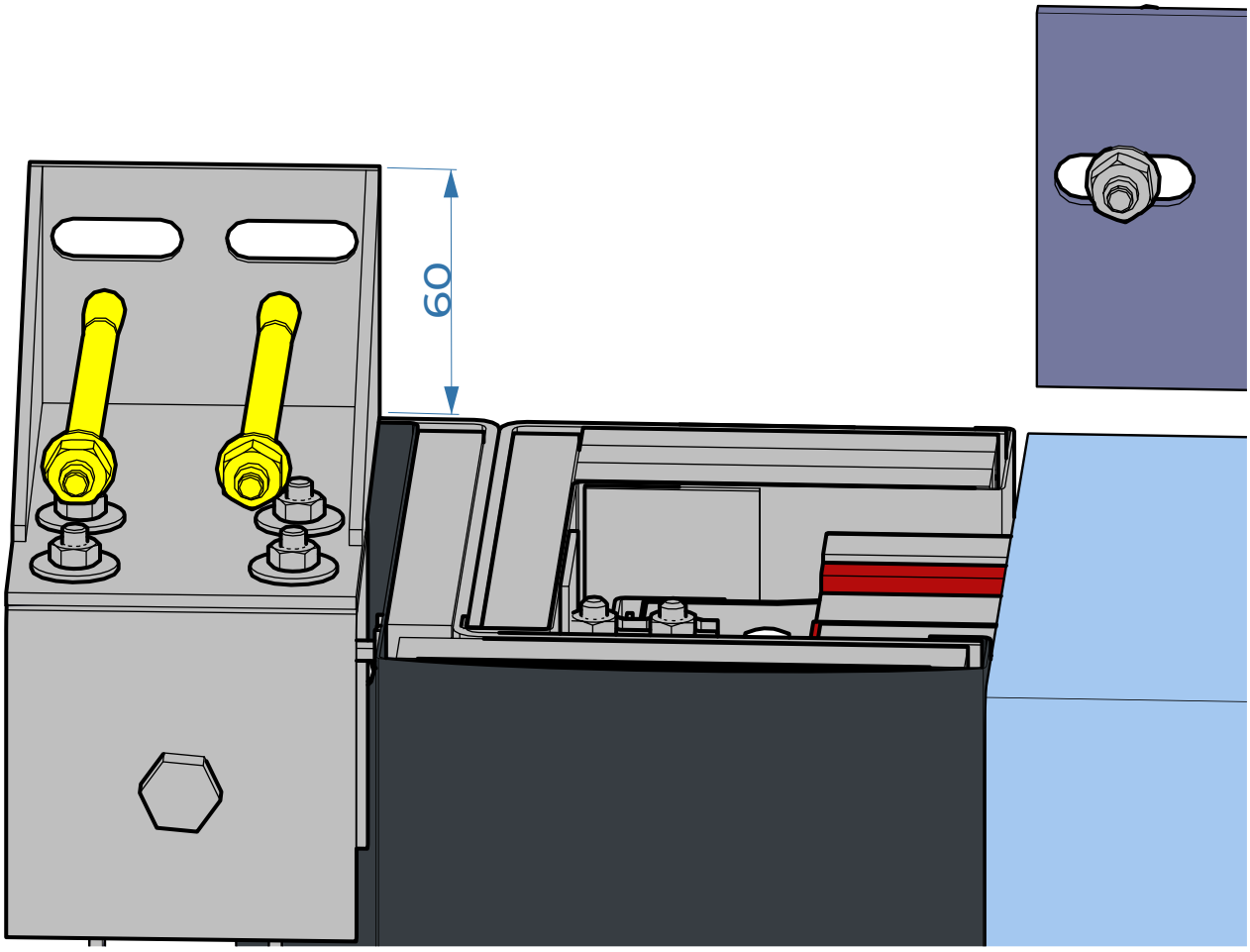
7 FIXING MOVING AND SPEED CONTROL PARTS

7.1 FIX BOTTOM GUIDE ROLLER AT THE REAR GATE LEAF





7.1 COUNTERWEIGHT ASSEMBLING. USE ANCHORS M10 X 110 SCREWS.



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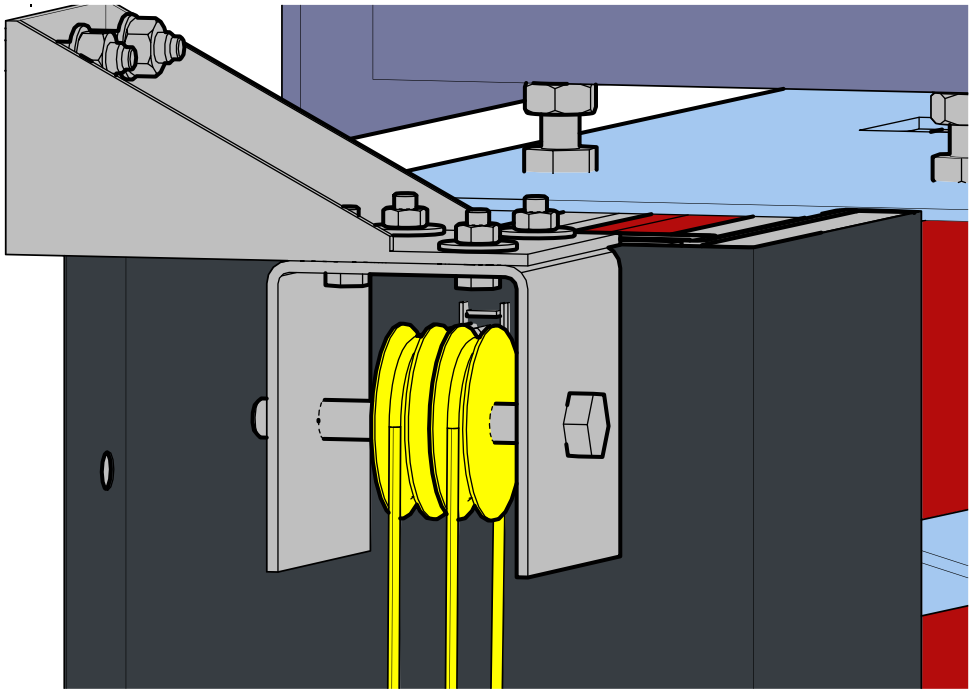
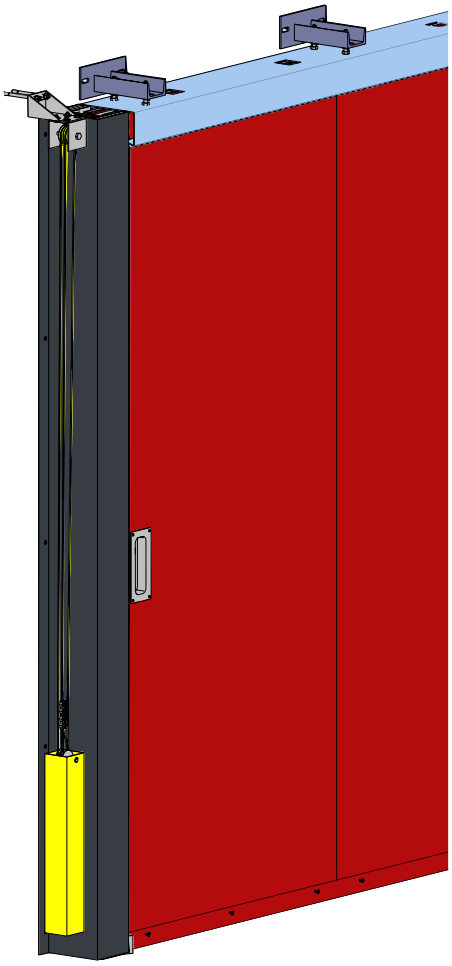
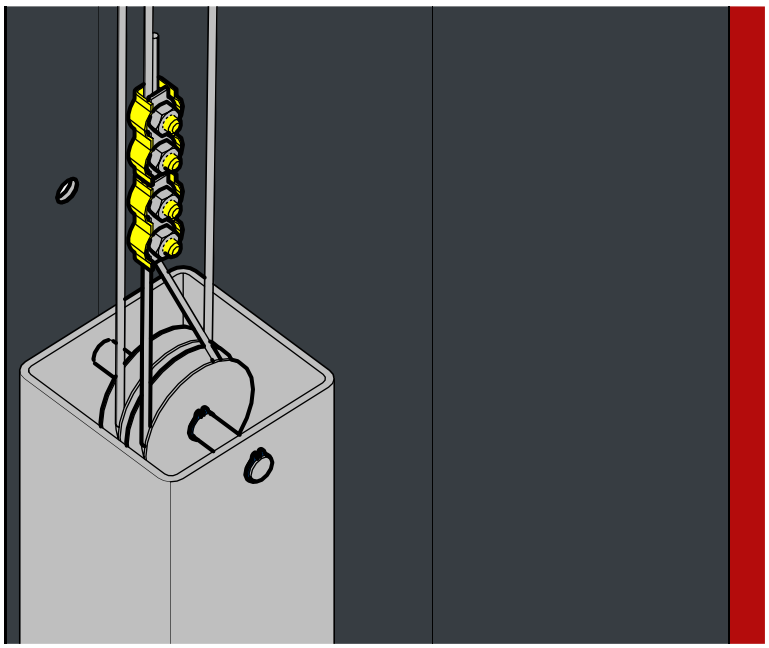
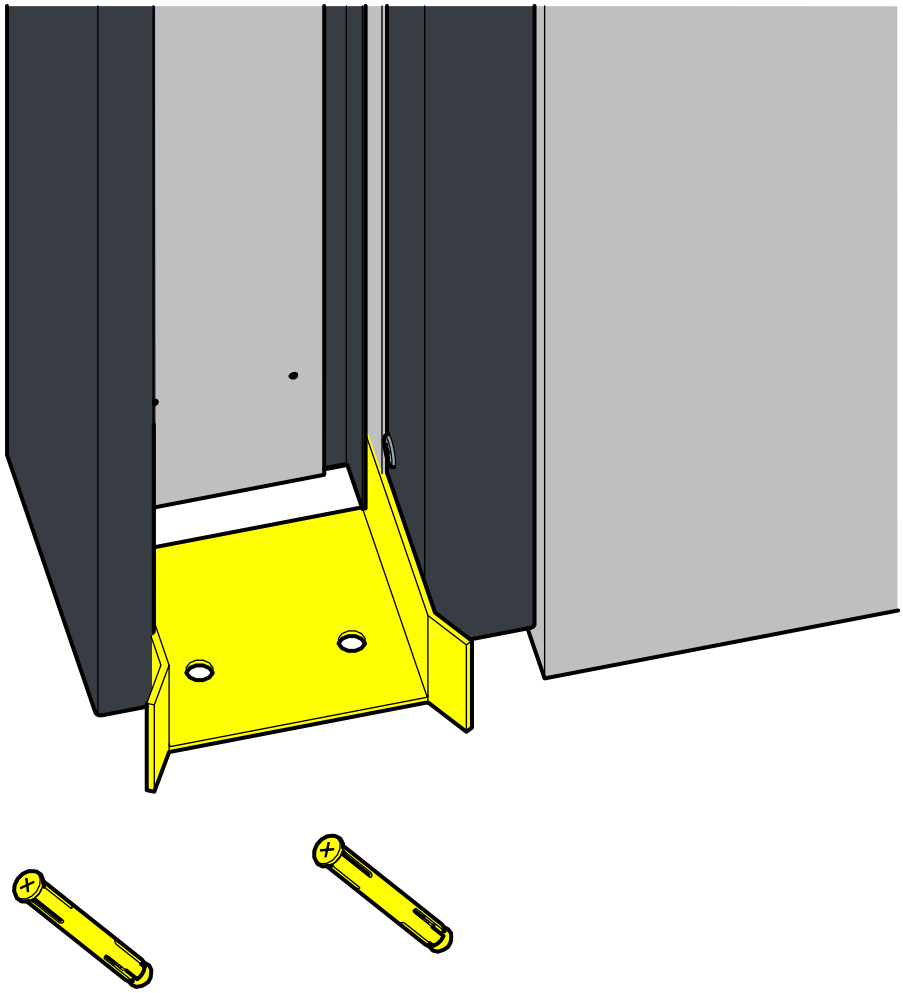




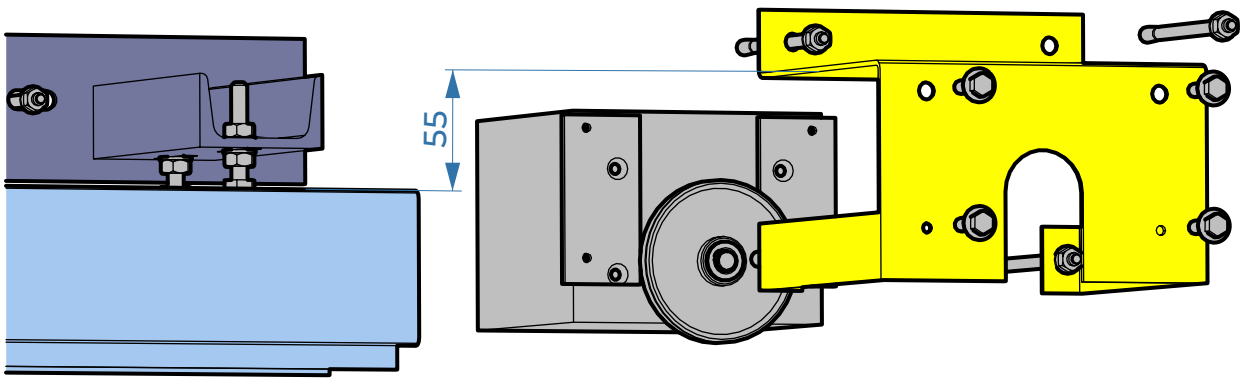


7.3 USE ANCHORS ⌀10x112 TO FIX GUIDE ELEMENT



7.4 FIX ERPZ (ELECTROMAGNET SPEED CONTROLER OF LEAF DEVICE).
REGARD TO ADJUSTMENT OF SPEED AND VOLTAGE CONNECTION FOLLOW PRODUCERS MANUAL.

ERPZ IS NOT PROVIDED FOR GATES LEAVES LESS THAN 10M^2 , BUT ELECTROMAGNET FOR EACH LEAF APART.



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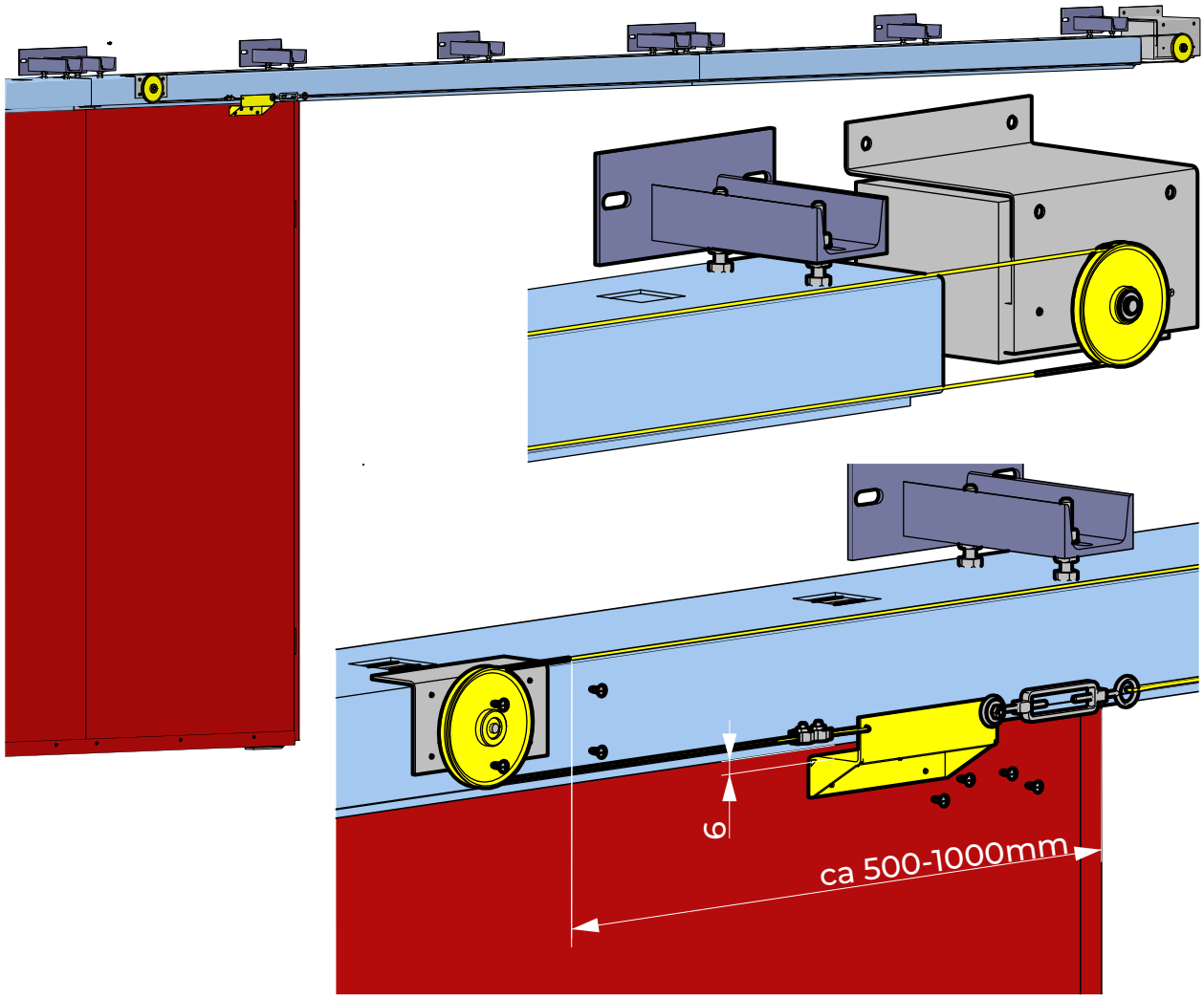
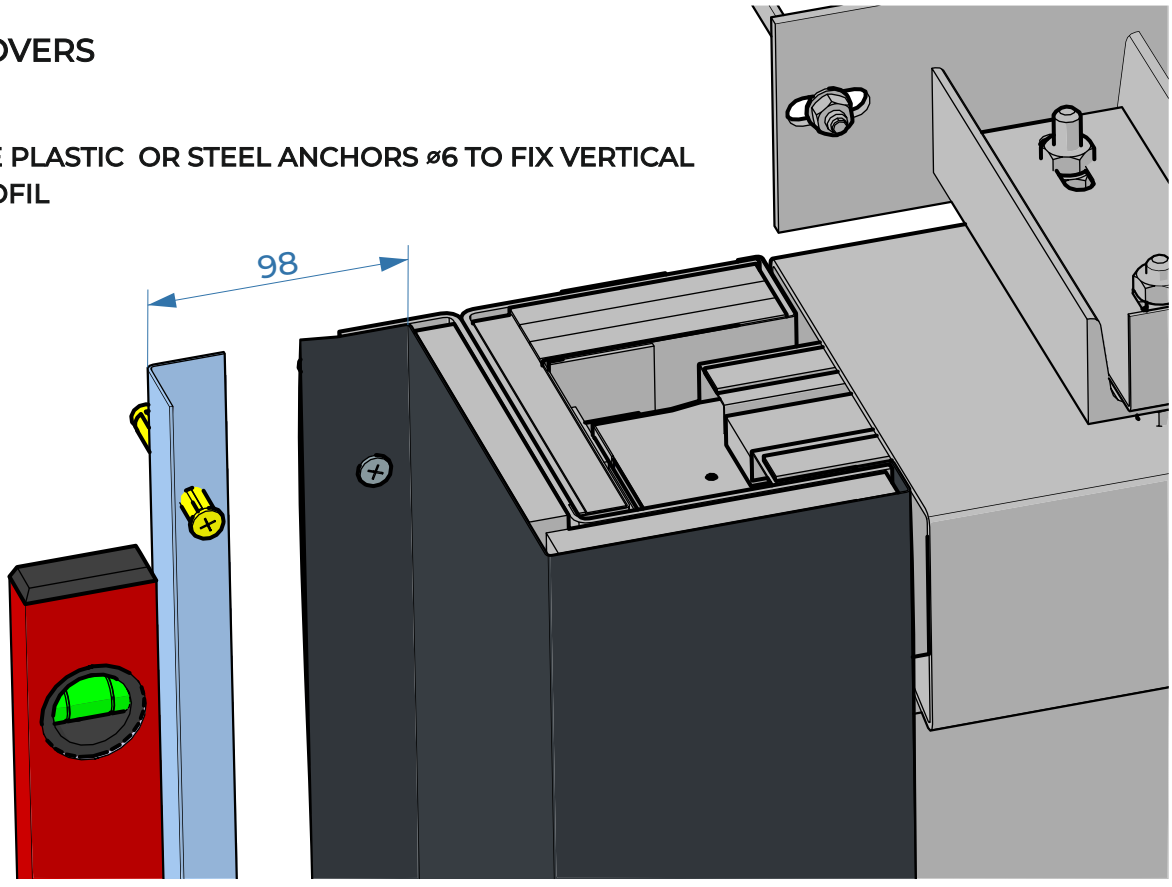
7.5 FIX ROLLER, BRACKET Z-SHAPED (USE SELF TAPPING SCREWS ø4.2x13 OR RIVIETS ø4) AND CONNECT BY CORD WITH ERPZ DEVICE



8 COVERS

8.1 USE PLASTIC OR STEEL ANCHORS ø6 TO FIX VERTICAL PROFIL



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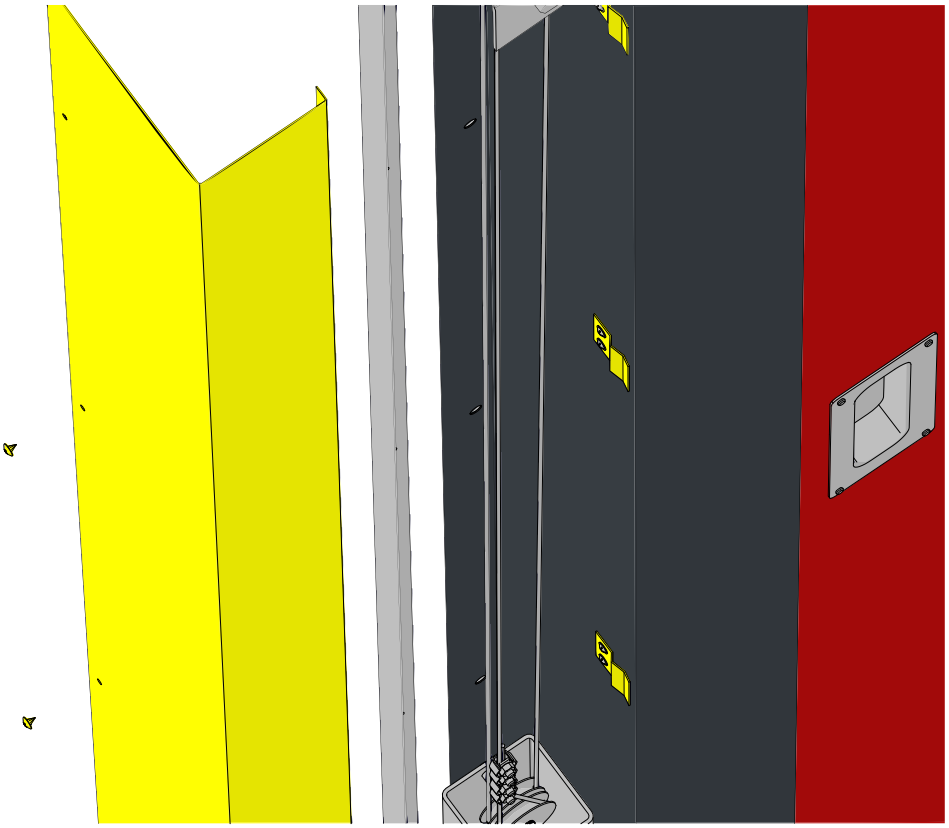
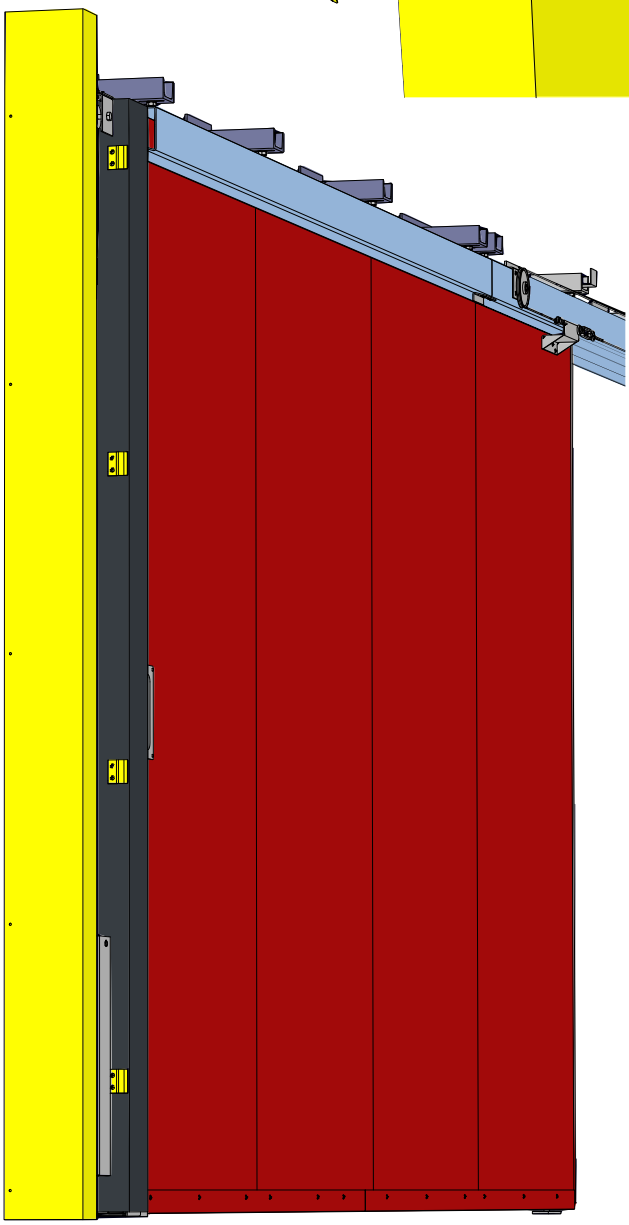
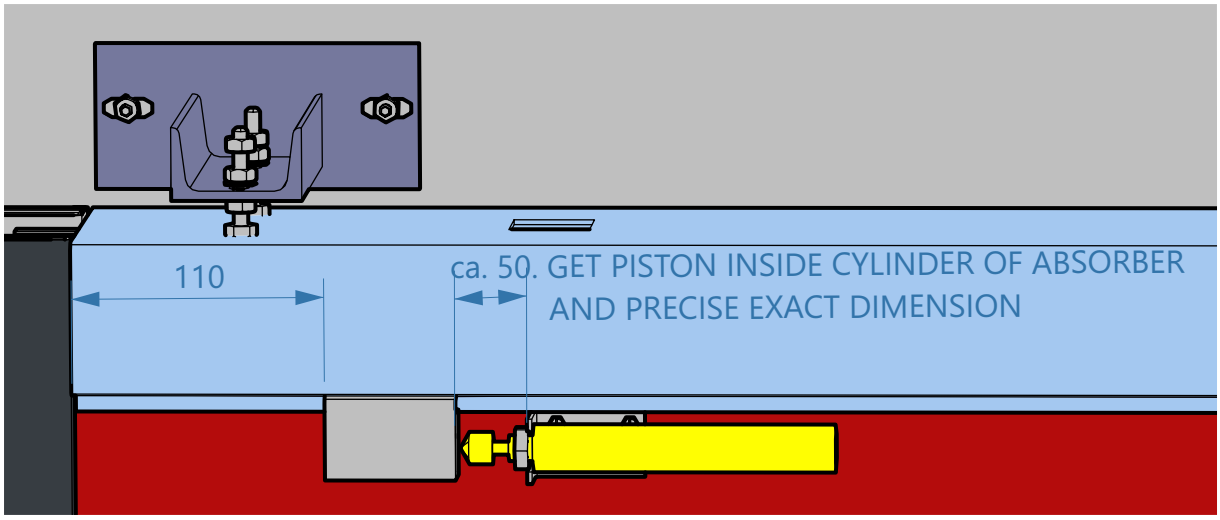
8.2 FIX LATCHES ON Z-ELEMENT. USE SELF TAPPING SCREWS ⌀4.2x13. THEN LATCH COVER OF THE COUNTERWEIGHT AND AGAIN USE SCREWS ⌀4.2x13 TO FIX.

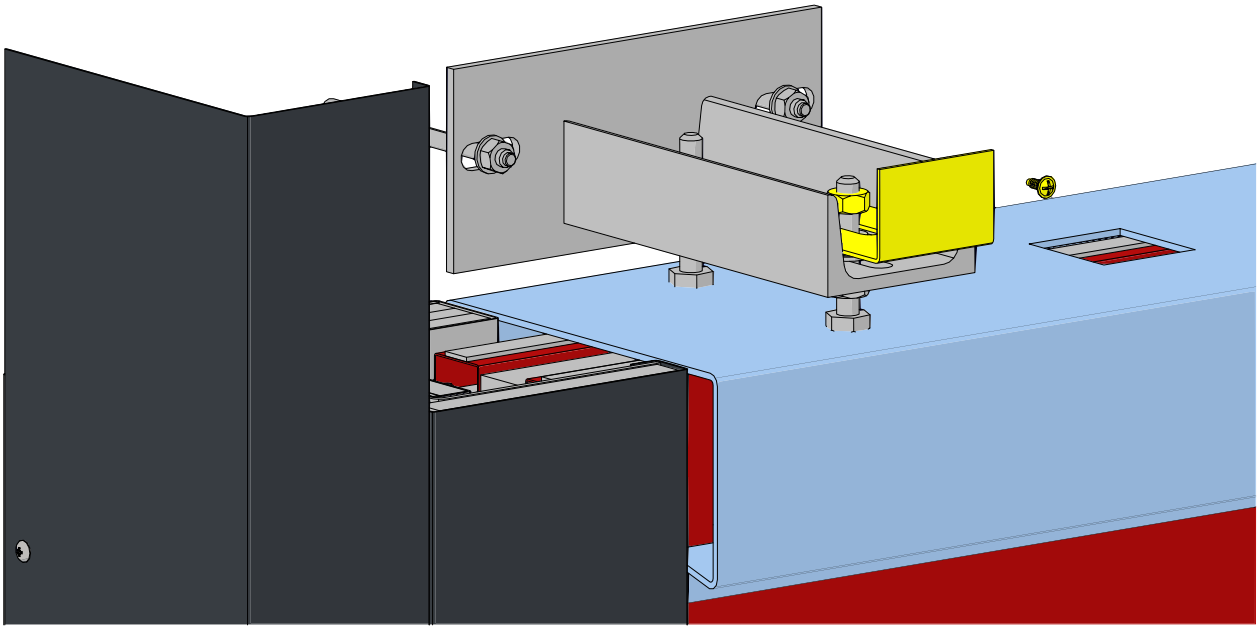


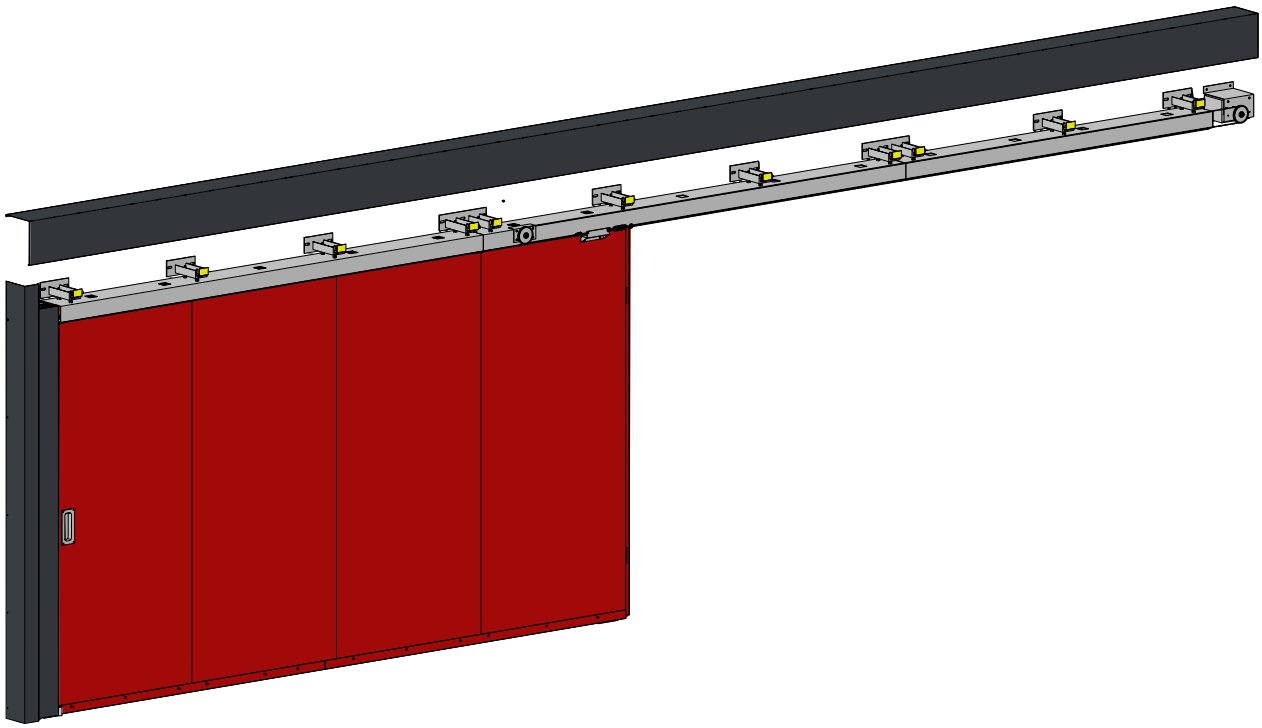


8.3 FIX SHOCK ABSORBER. USE SELF TAPPING SCREWS ø4.2x13 OR RIVIETS ø4



8.4 FIX COVER OF RAIL. USE 2 PIECES SCREW ø4.2x13 PER EACH BRACKET (MARKED BELOW





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

10 WARRANTY AND HANDLING

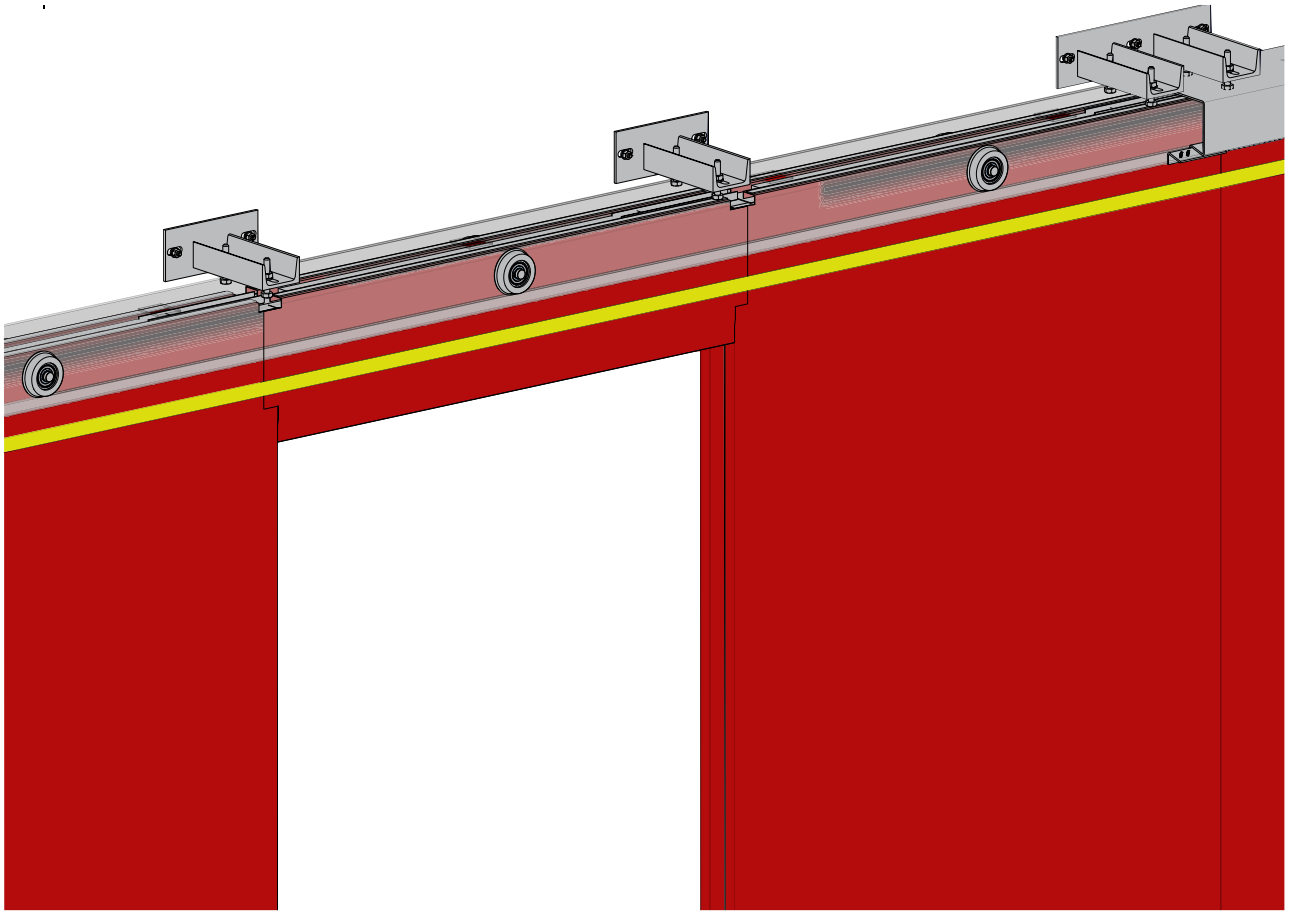
Standard warranty term is 12 months counted from day of delivery agreed upon in Order Confirmation.
Warranty for additional equipment, such as door closers, panic bars, electric strike plates and the like may be granted based on separate documents provided by the Producers of this equipment.

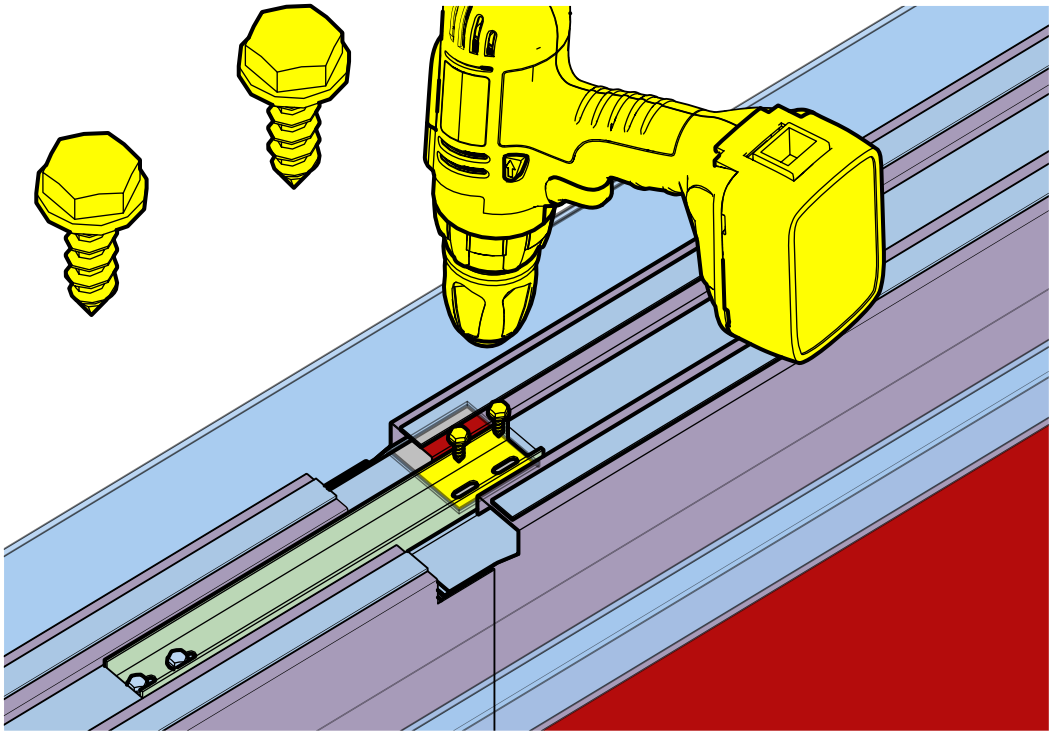
Please remember:
-to stock the doors flat in a horizonal position and protect them against rain, sun and mechanical damages;
-to remove protection foil from the door's surface immediately after installation;
-to install the doors acc. to the proper certificate ;
-that DFM EUROPE is not responsible for errors and claims caused from incorrect installation;
-to keep DFM warranty maintain the doors and fittings min. each six months;
-each fault must be repaired immediately;
-do not clean doors and equipment with agrresive fluids, it could cause corrosion even on stainless steel elements;

The guarantee of DFM Europe Sp. z o.o is defined in General Conditions of Sale published on dfm-europe.eu, or in Order Confirmation.

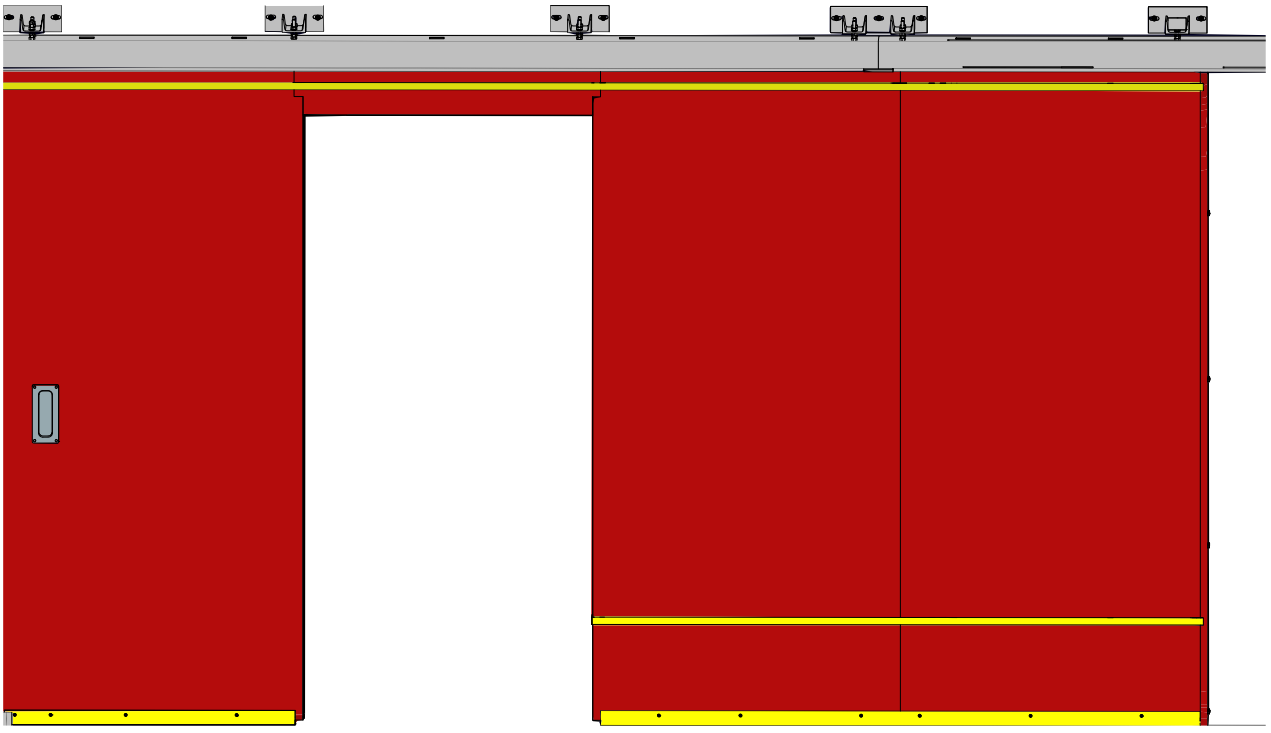
11 THE DIFFERENCES OF INSTALLATION IF YOU GET GATE WITH EVACUATION DOOR

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 PAY ATTENTION WHILE FIXING BOTTOM CONNECTORS. ARE DIFFERENT FOR FRONT AND REAR SIDE. ALSO HAVE SPECIAL PROFILED END FINISHIG, WHICH SUITE TO DOOR FRAME



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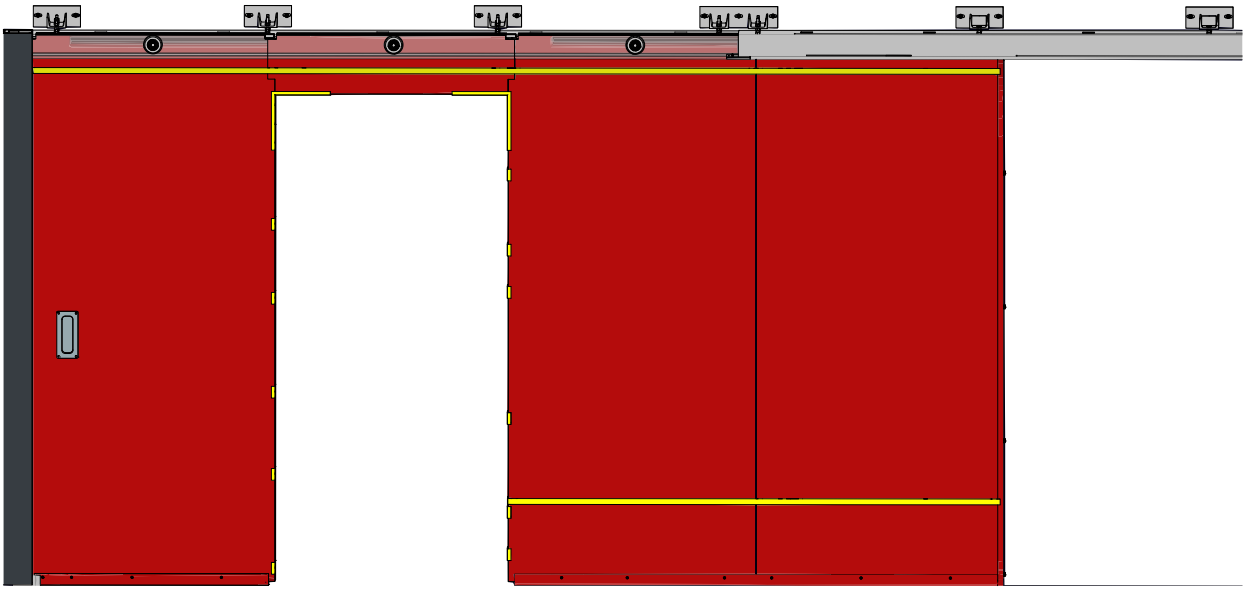
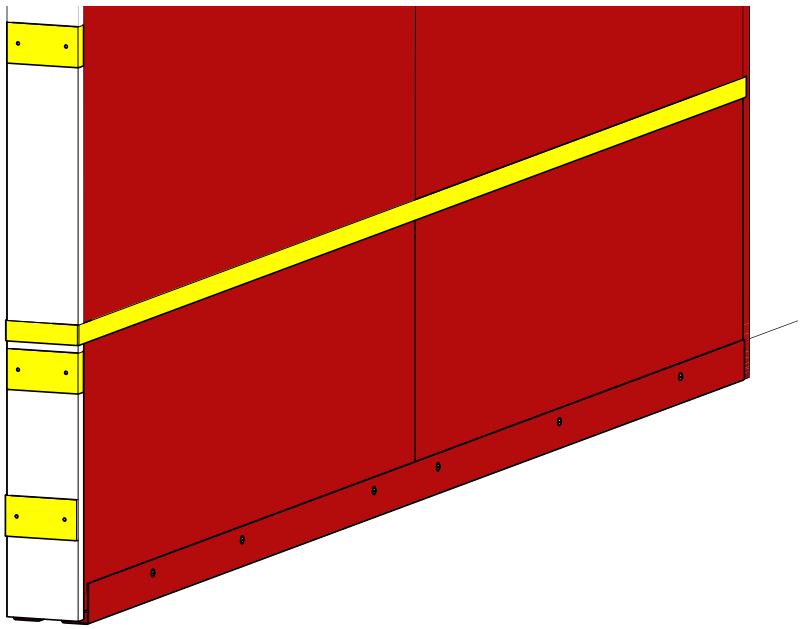
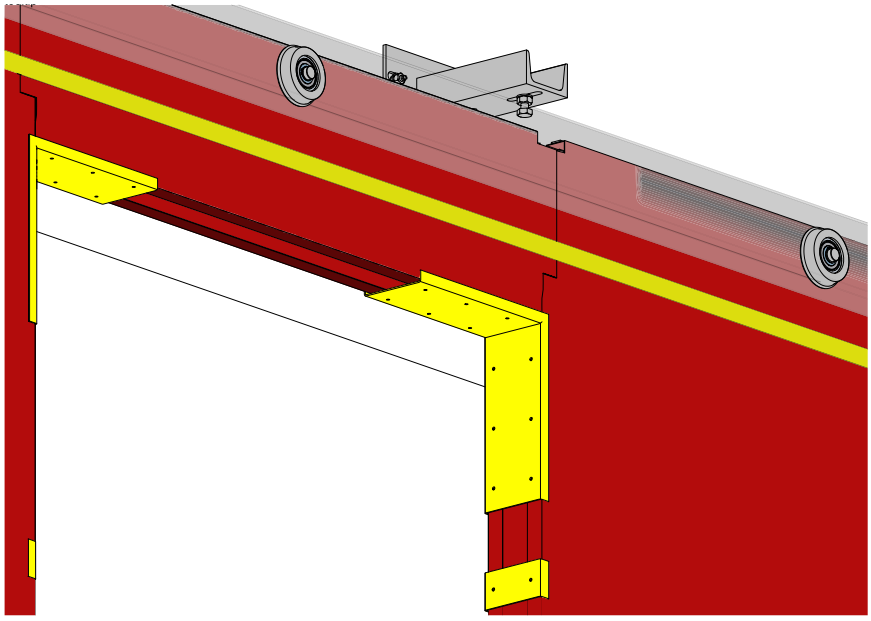
11.3 DEFINE PLACES OF DOOR HINGES (AS AN EXAMPLE SEE RIGHT SIDE OF OPENING ON PICTURE BELOW) AND FIX C-REINFORCEMENTS USING RIVIETS ø4. THEN FIX REST C-REINFORCEMENTS ON THE OTHER SIDE.

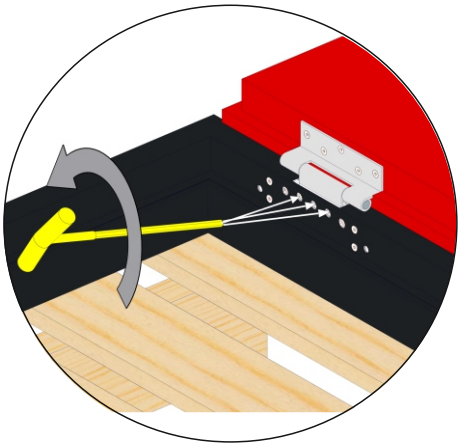




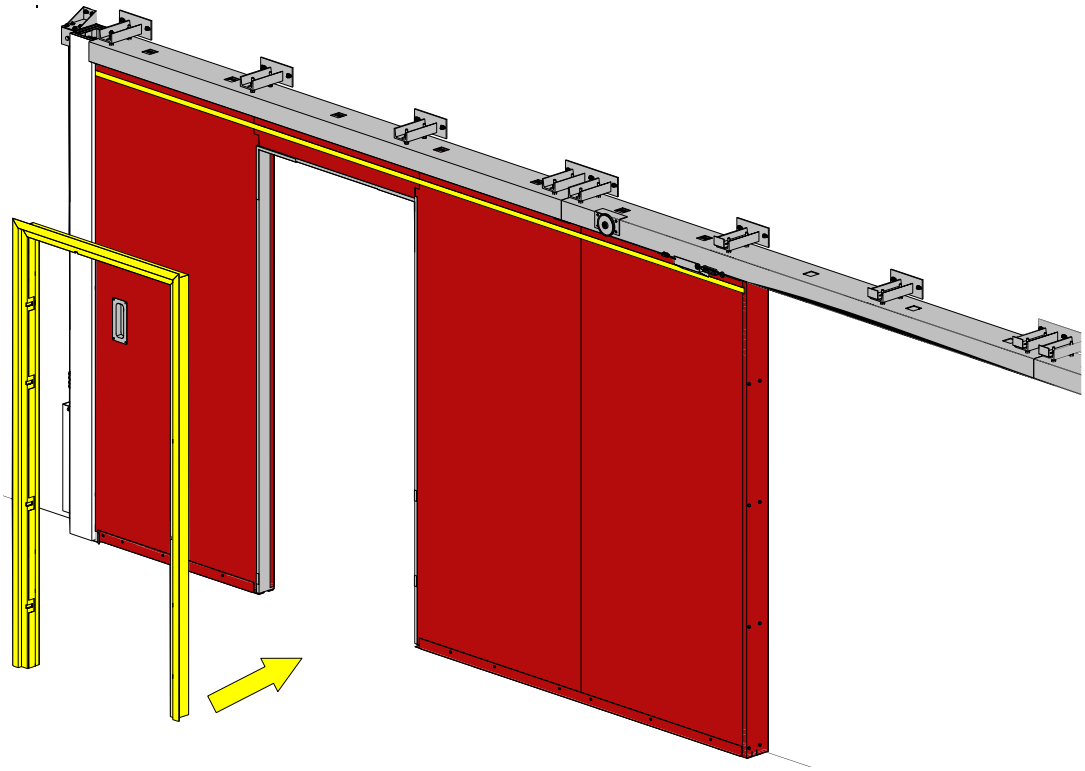
11.4 USE RIVIETS ø4 TO FIX CORNER REINFORCEMENTS



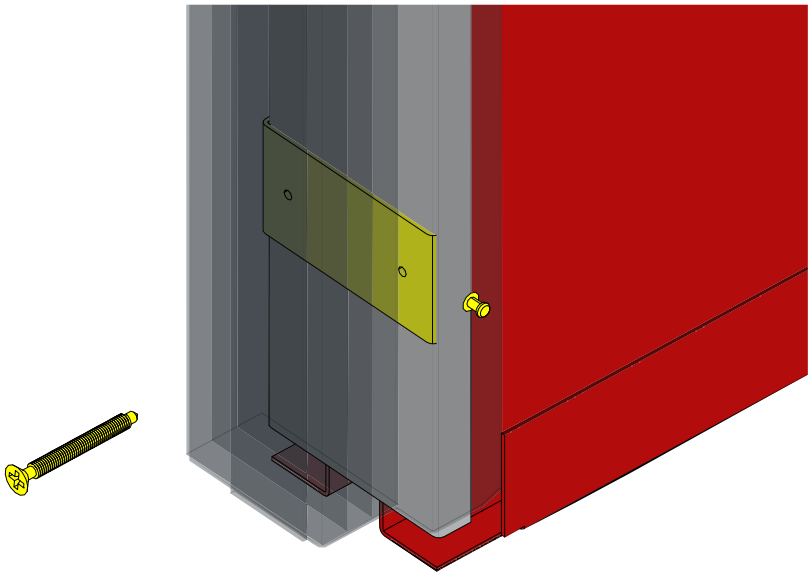
11.5 DISMANTLING DOOR LEAF AND FRAME



11.6 GET HINGE-SIDE PART OF DOOR FRAME



11.7 USE SELF TAPPING SCREWS ⌀6,3x60 FOR PERIMETER FIXATION INSIDE OF FRAME. THEN USE RIVIETS ⌀4 TO FIXATION FRAME ON FRONT OF GATE LEAF.



ALL FIXATION (SCREWS AND RIVIIETS) OBLIGATORY THROUGH C-REINFORCEMENTS

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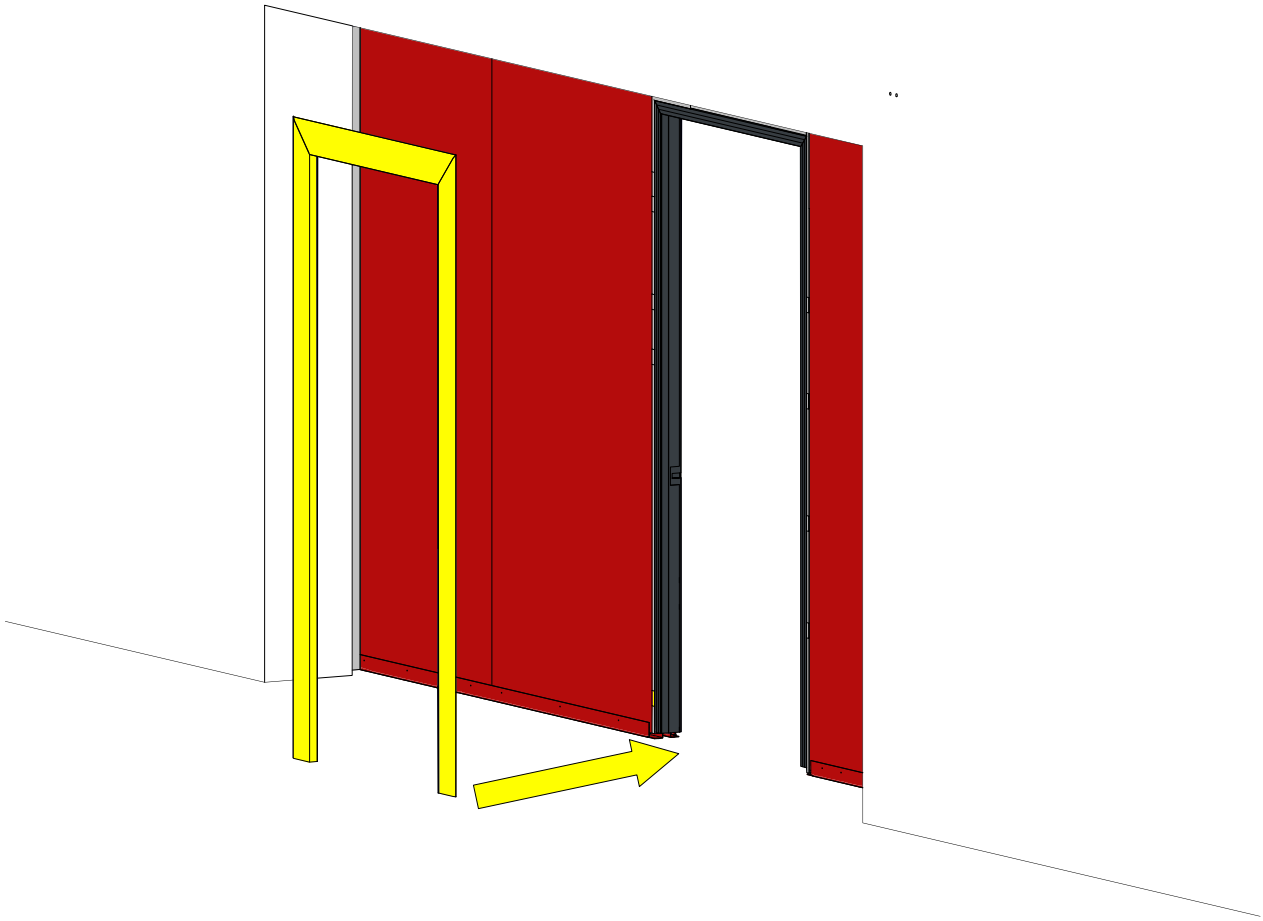
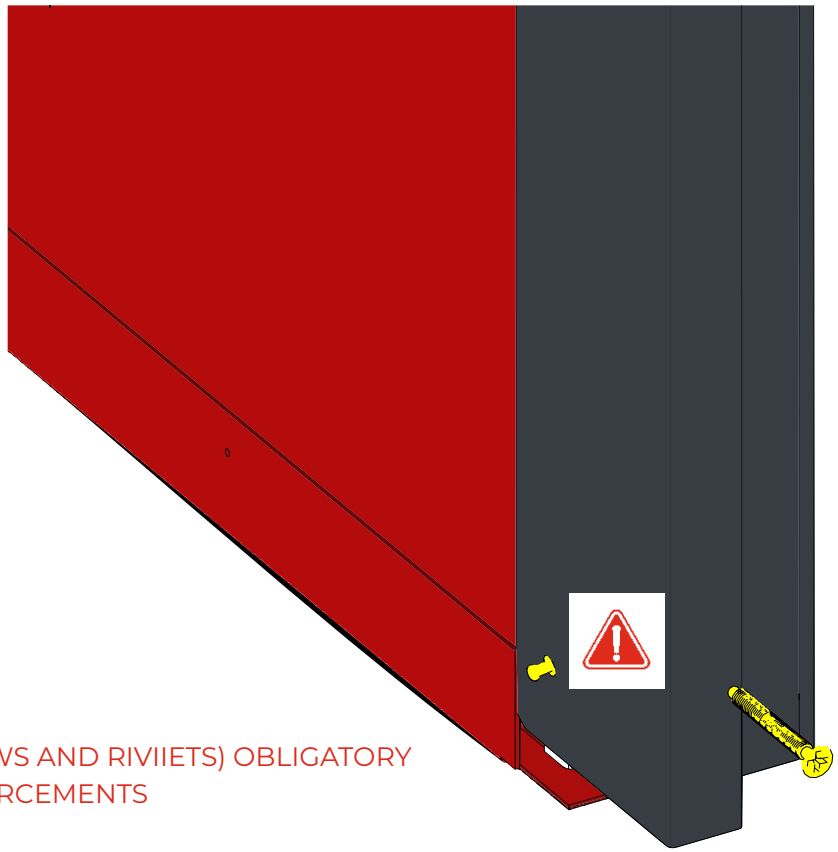
11.8 GET OPPOSITE-SIDE PART OF DOOR FRAME INSIDE OPIENING



11.9 USE SELF TAPPING SCREWS ⌀6,3x60 FOR PERIMETER FIXATION OUTSIDE OF FRAME. THEN USE RIVIETS ⌀4 TO FIXATION FRAME ON FRONT OF GATE LEAF.



ALL FIXATION (SCREWS AND RIVIIETS) OBLIGATORY THROUGH C-REINFORCEMENTS

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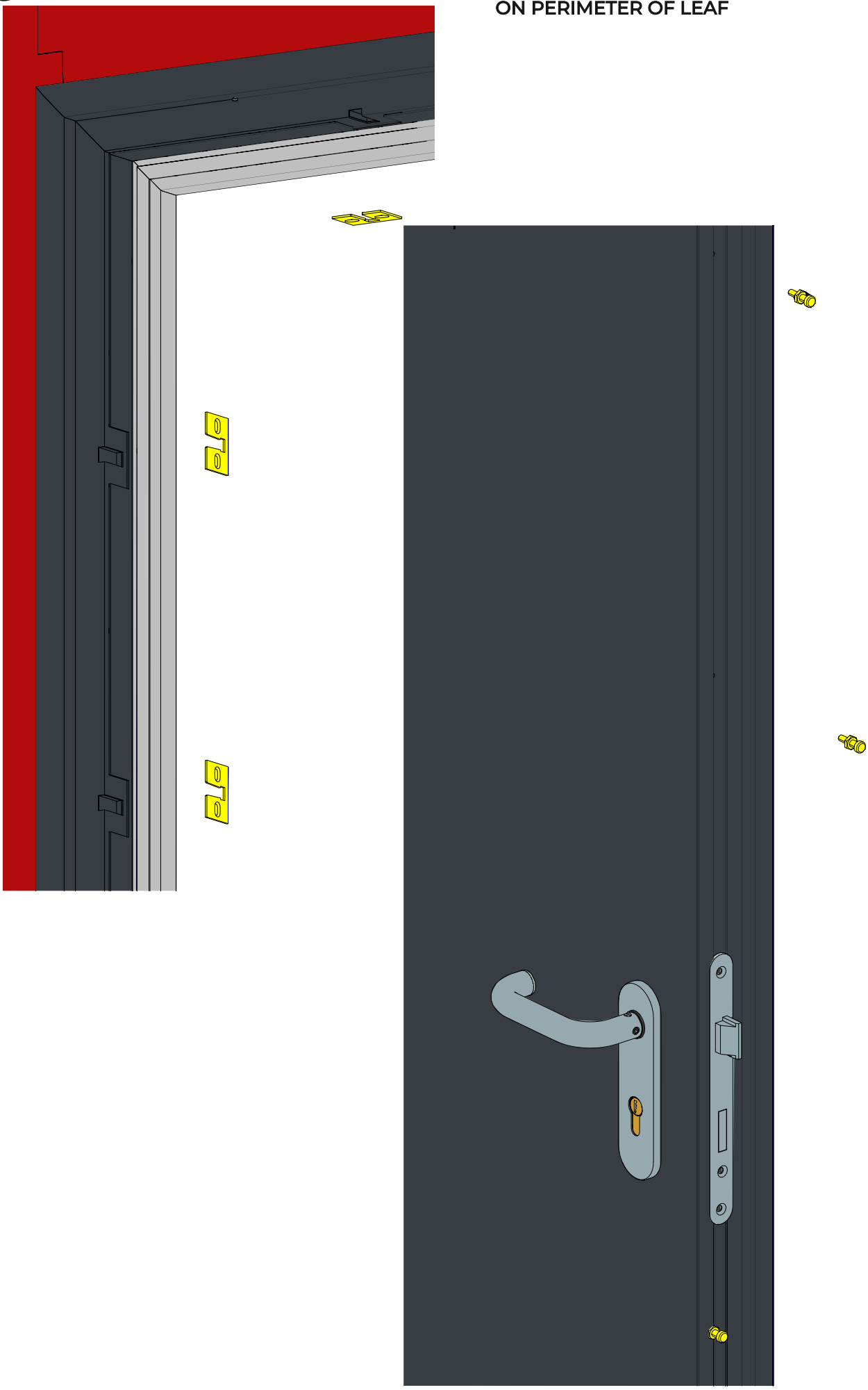
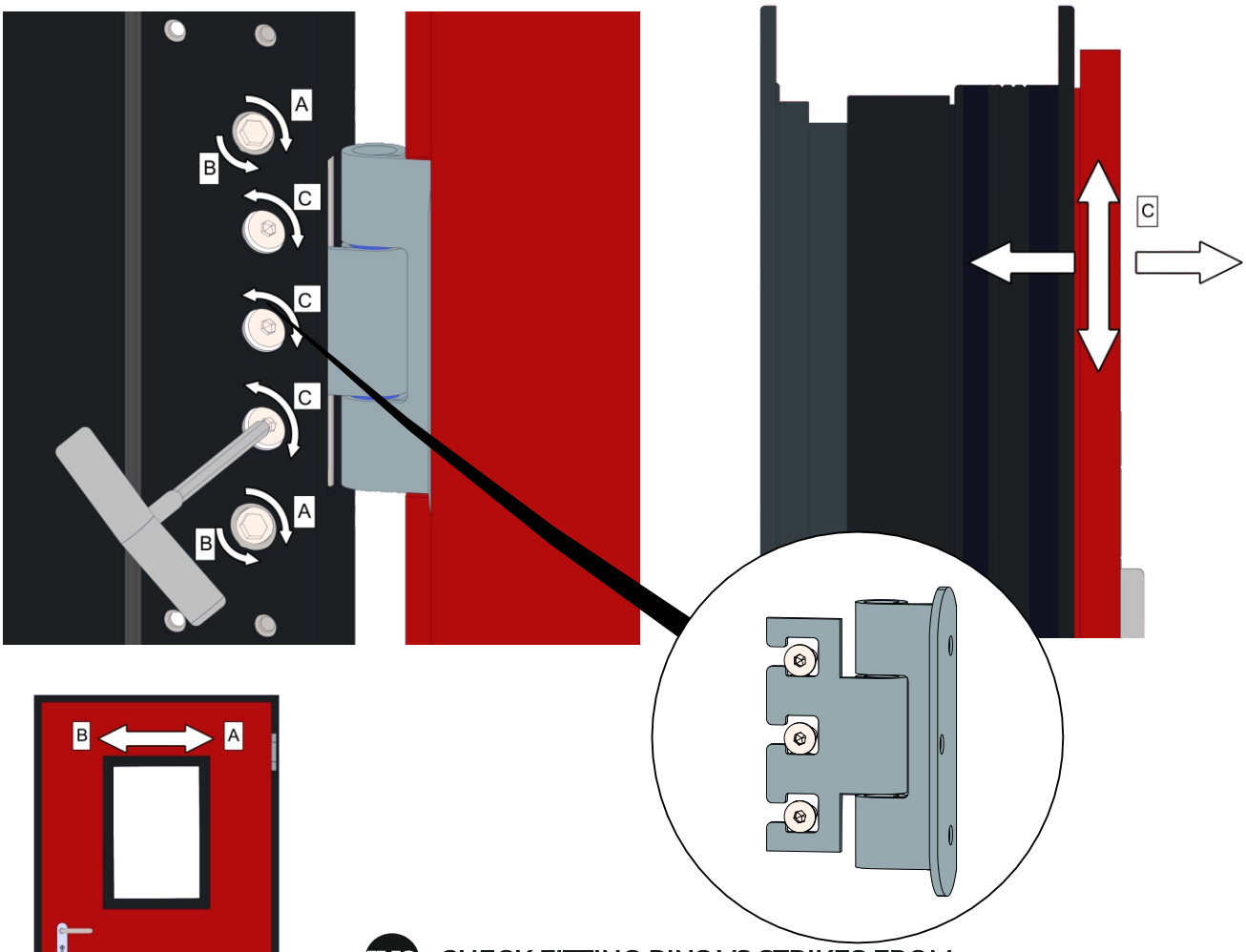
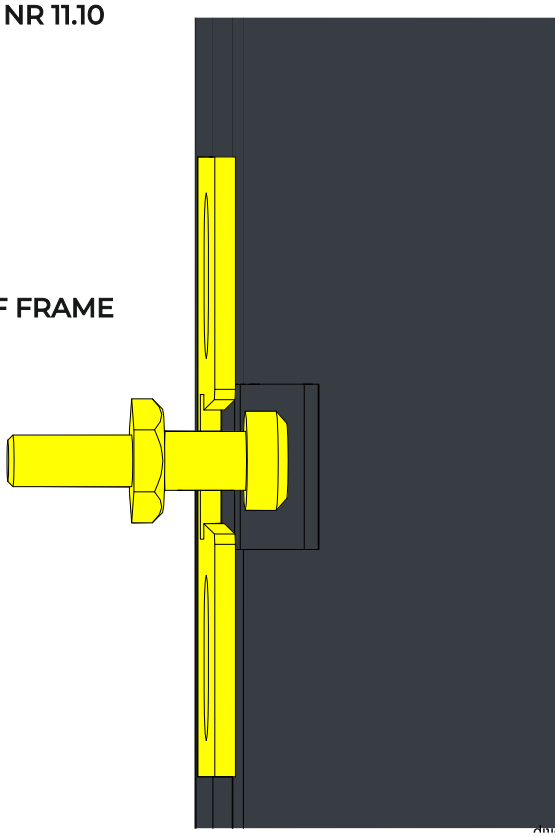
11.10 SCREW FIRE SAFETY PINS AND STRIKES INSIDE PREPARED SCREW NUTS ON PERIMETER OF LEAF



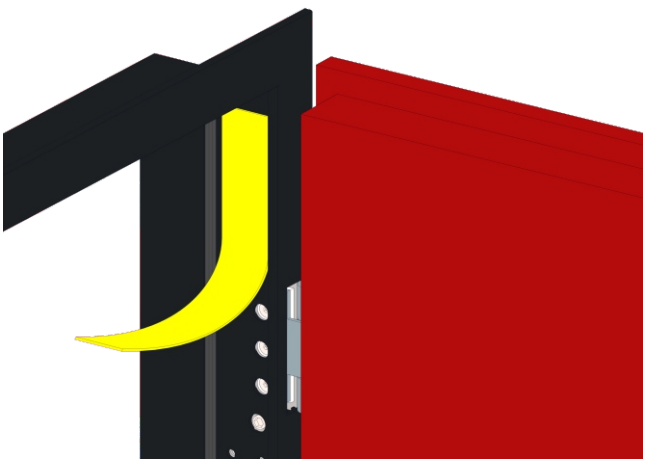
11.11 GET LEAF INSIDE. METHOD OF ADJUSTMENT 3D HINGES. CHECK FITTING PINS AND STRIKES FROM PREVIOUS SECTION NR 11.



11.12 CHECK FITTING PINS VS STRIKES FROM PREVIOUS SECTION NR 11.10



11.13 GLUEING INTUMISCENT STRIP ON PERIMETR OF FRAME



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11.15 USE SPACER PROFILE AND FIX DOOR CLOSER DORMAKABA OR ECO SCHULTE.
MOUNTING ACCORDING PRODUCER MANUAL