PortaPivot

Calculate single door leaf size
Calculate double door leaf size
Check obstructions
Installation requirements

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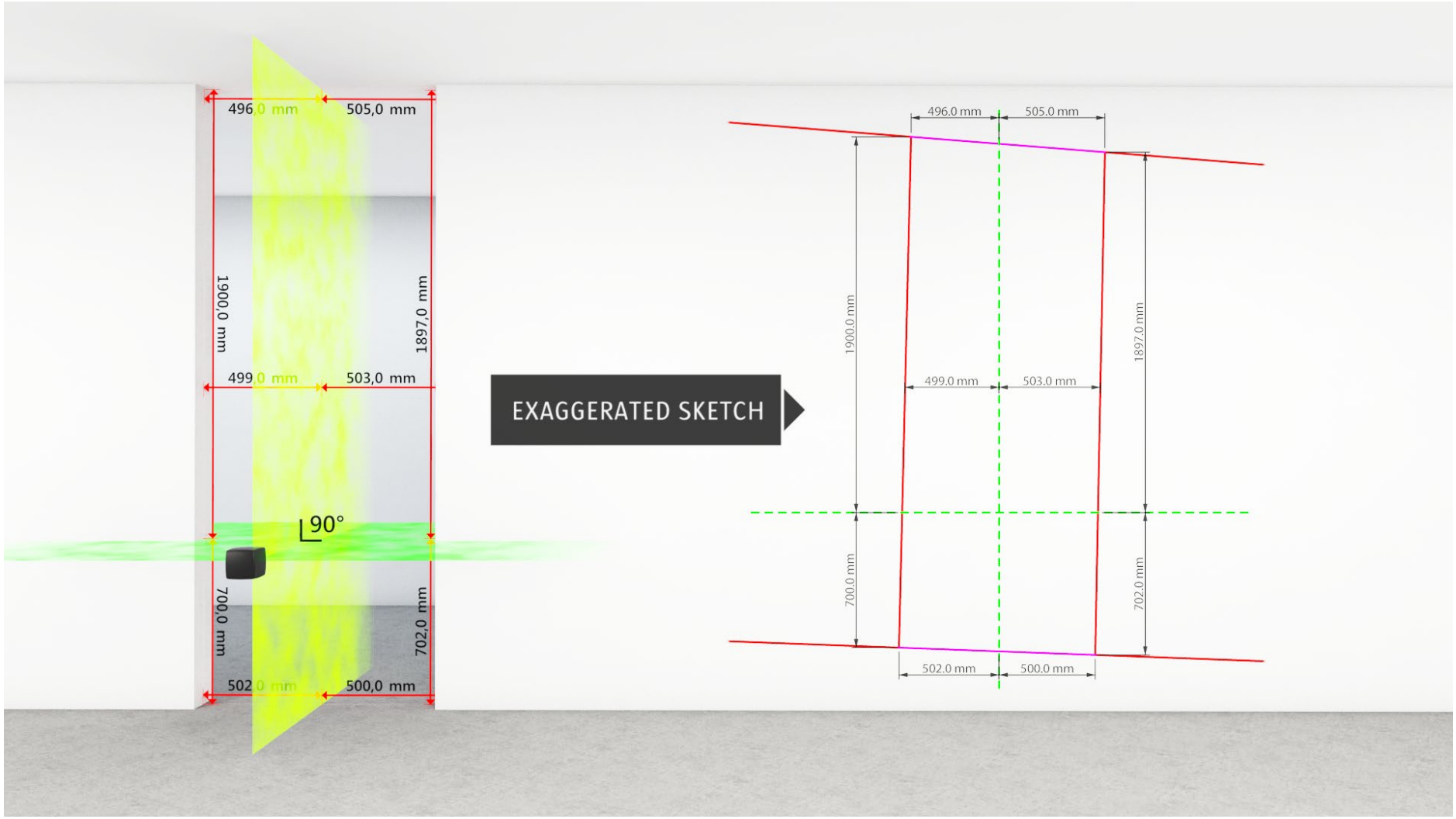
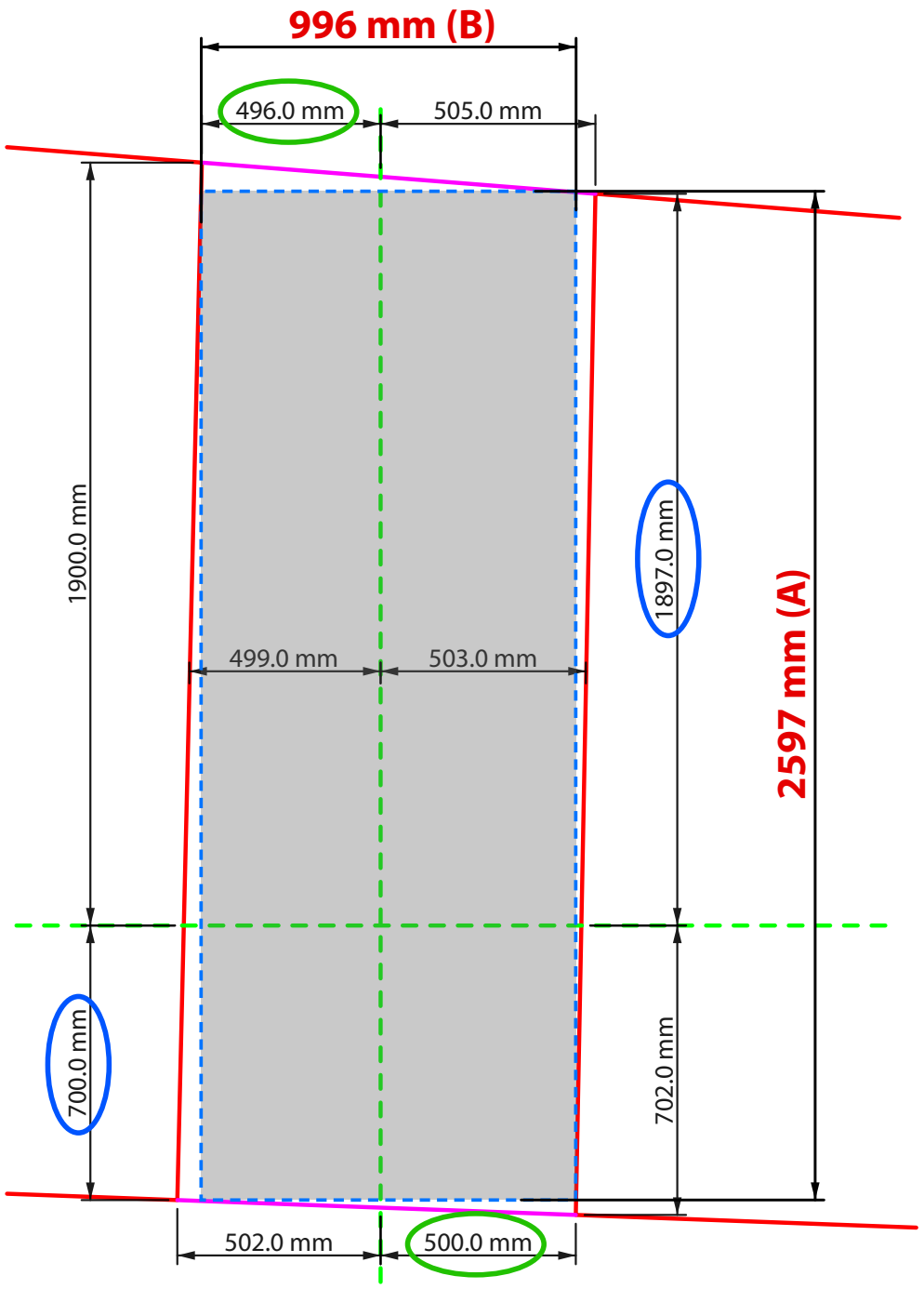
STEALTHPIVOT
By PortaPivot

Patented technology

Calculate single door leaf size

Step 1: Measure fully finished doorway with electronic laser

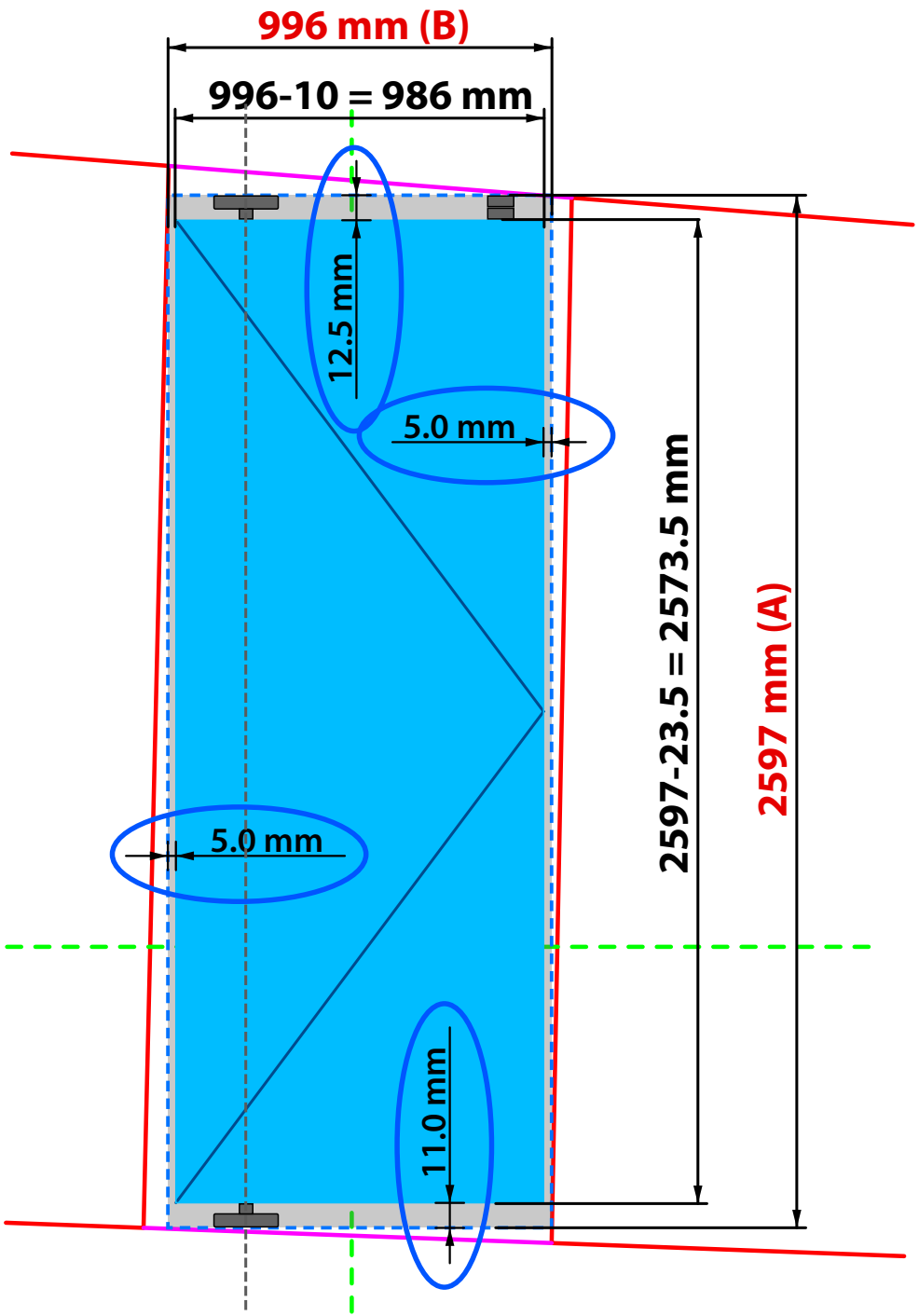




Step 2: Calculate maximum rectangular surface

To calculate the maximum rectangular surface (=grey area), add the smallest dimensions in width and height.

Grey area = 2597mm x 996mm
(700+1897 x 496+500)



Step 3: Calculate door leaf size

The maximum rectangular surface
will be used to calculate the door leaf size.

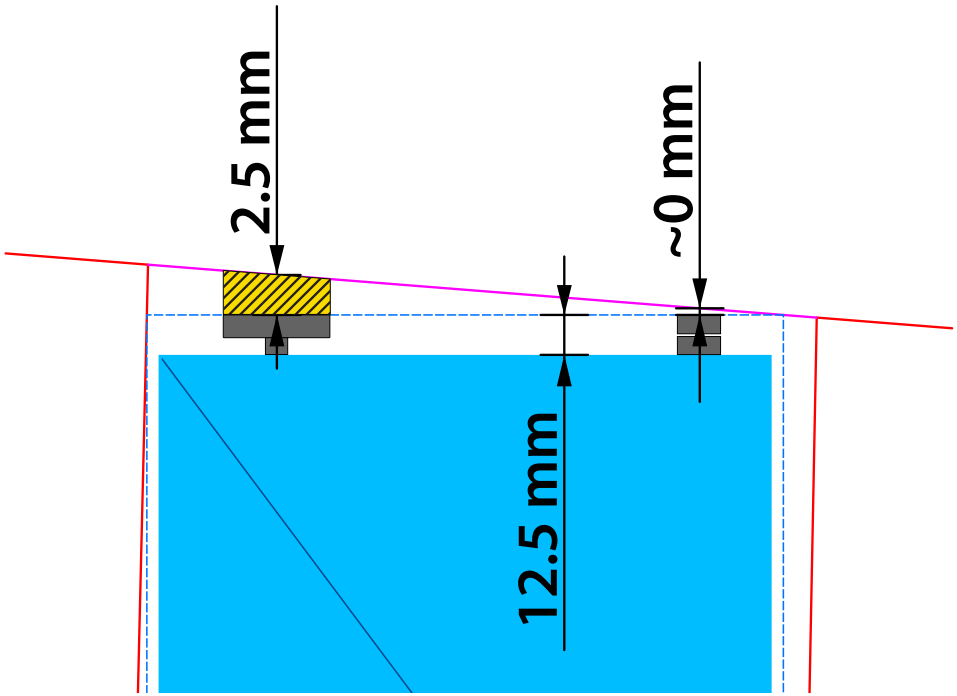
NOTE: the position of the hinge can influence
the final door leaf size (see page 6 - right hinge setup)

Left hinge setup

Subtract the advised minimum joint
dimension from the maximum rectangle (AxB).

Door leaf size =
A - (11+12,5) x B - (5+5)

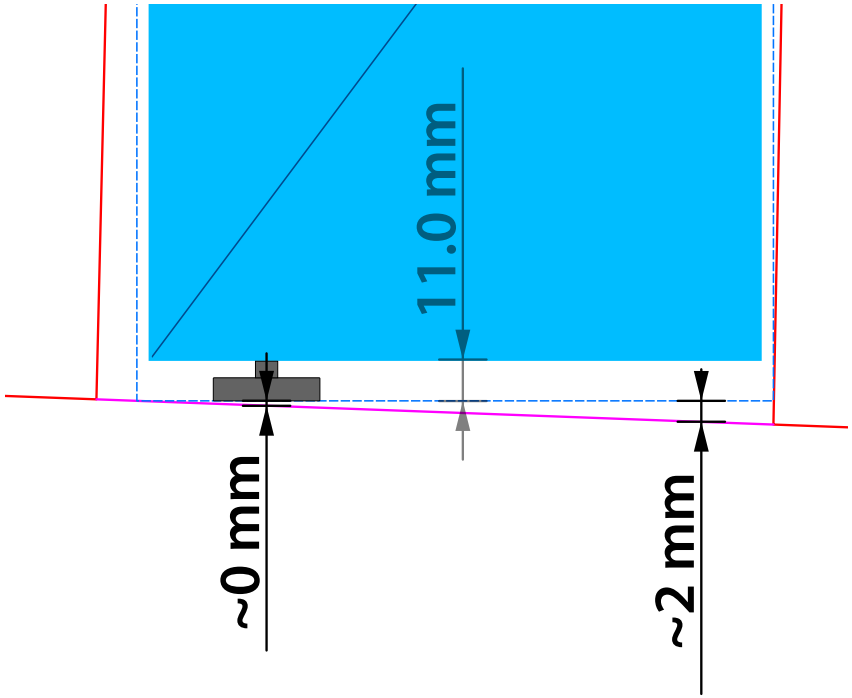
So in this example:
2597 - 23,5 = 2573,5 mm (door leaf height)
996 - 10 = 986 mm (door leaf width)



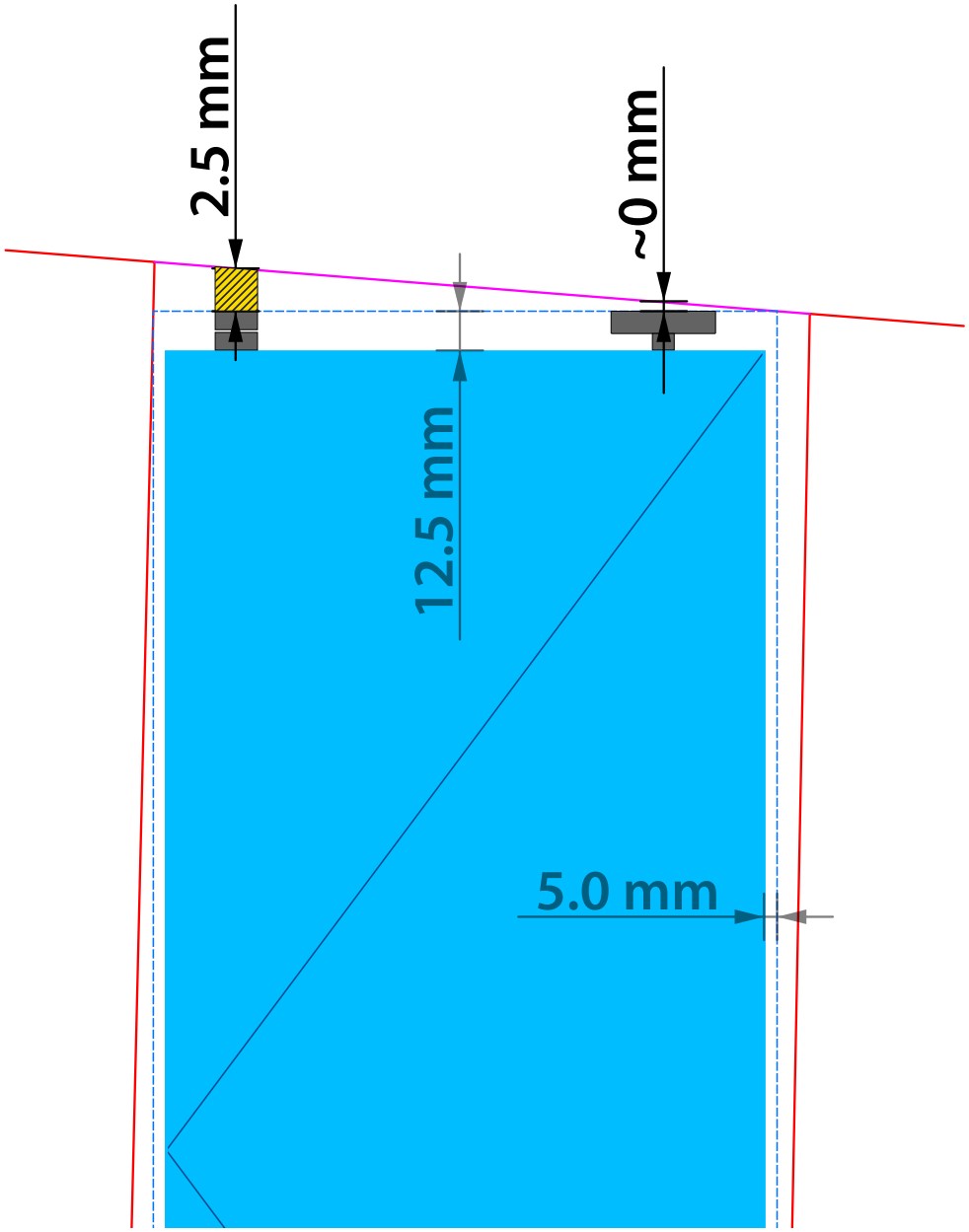
Left hinge setup

For the optional magnets or 1-way parts, you need to keep 12.5mm of space at the top.

The 2.5mm gap between top hinge and ceiling can be removed in different ways. See door installation manual for more info.



The bottom hinge doesn't need spacers in this situation.

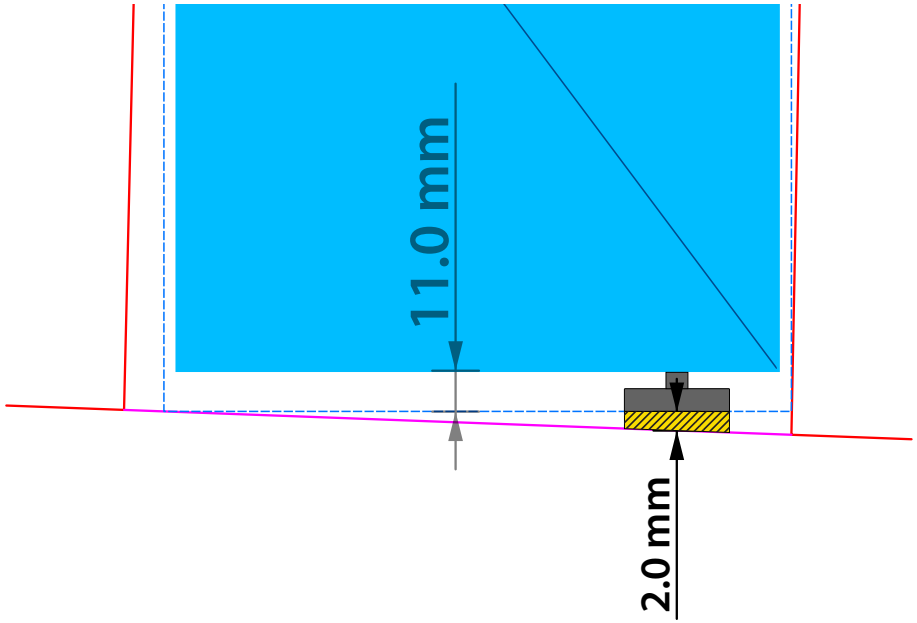


Right hinge setup

In this example situation, the top hinge doesn't need any adjustments.

However, the optional 1-way part will need spacers.

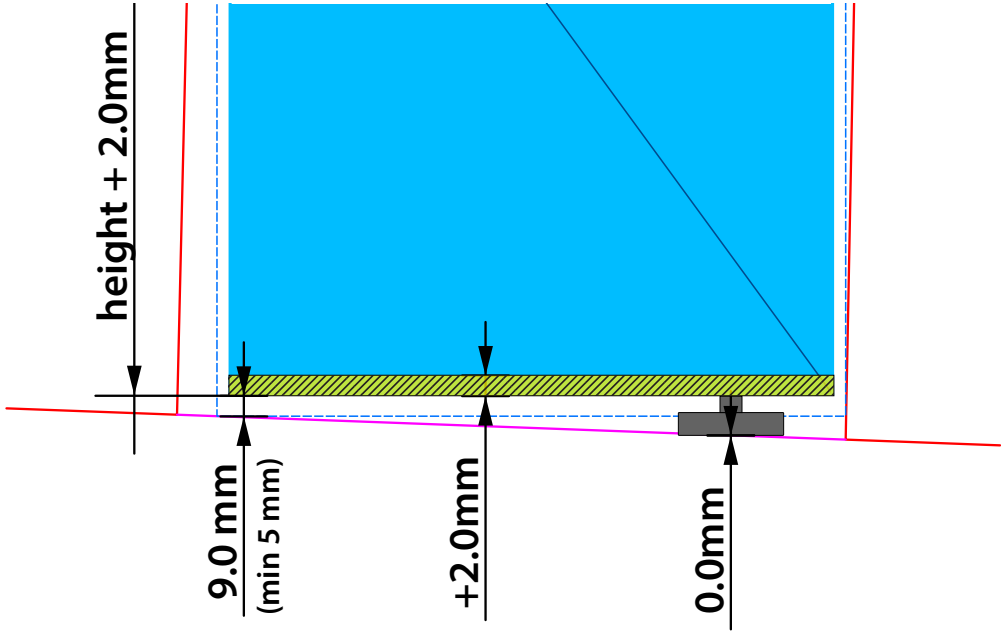
See door installation manual for more information.



Right hinge setup

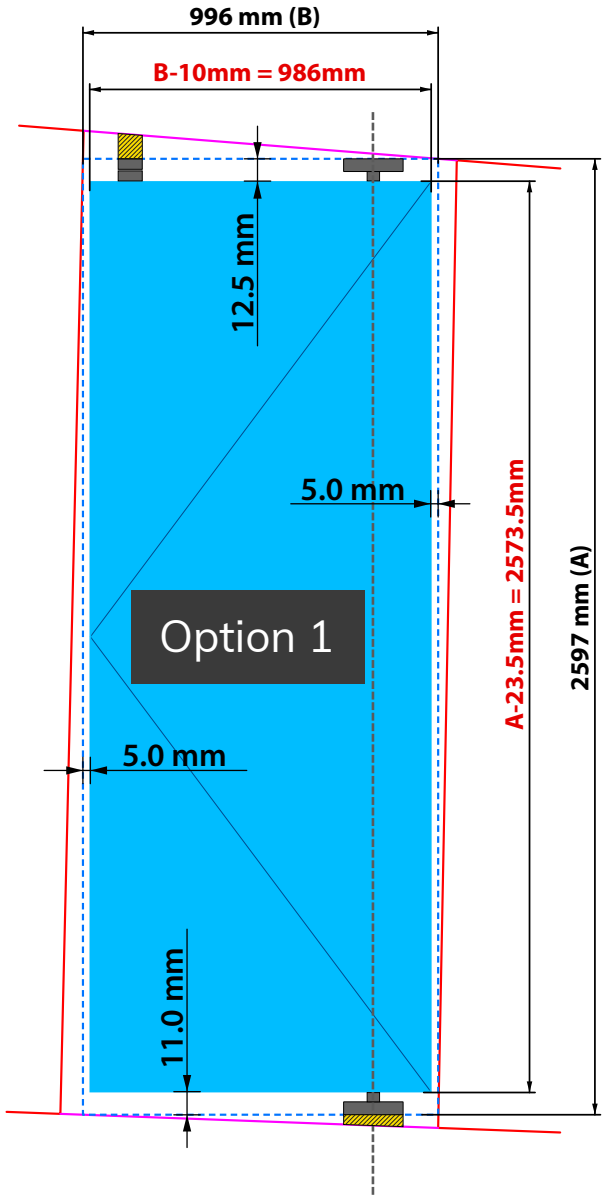
There are 2 options to clear the 2.0 mm gap between the bottom hinge and the floor.

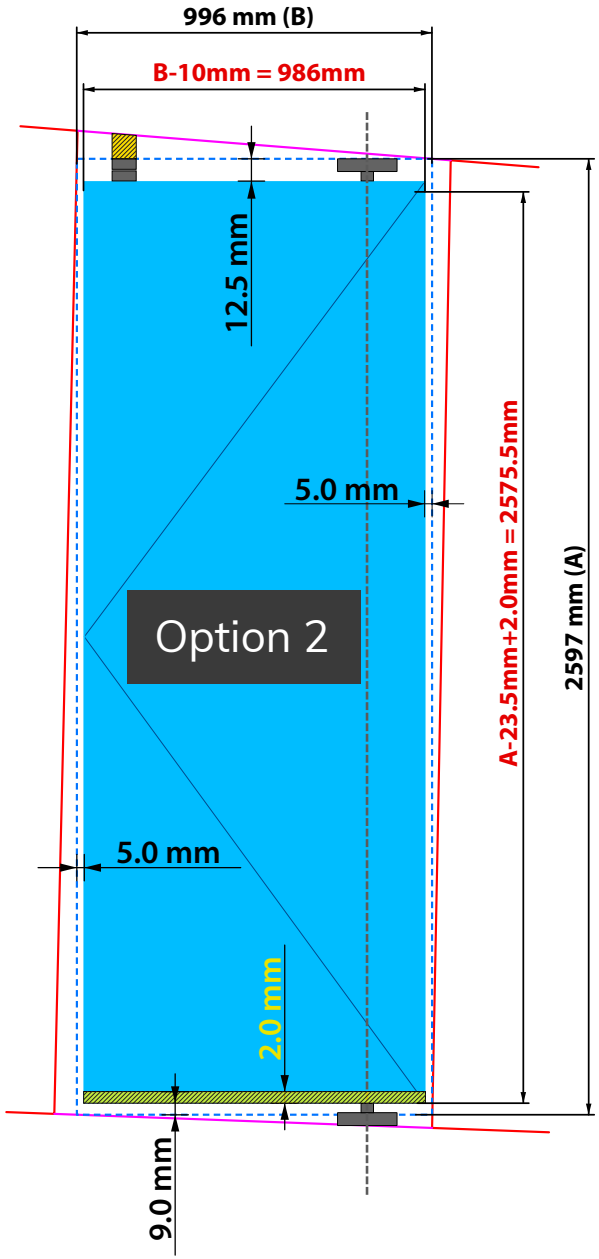
Option 1:
Adjust the hinge position or add shims under the hinge (see door installation manual).



Option 2:
Add 2.0 mm to the door leaf in height.

This leaves 9.0mm clearance at the other end.
(Make sure to always keep at least 5.0 mm clearance between door leaf and floor)





Right hinge setup

Final door leaf dimensions:

Option 1
Door leaf size =
[A - (11+12,5)] x [B - (5+5)]

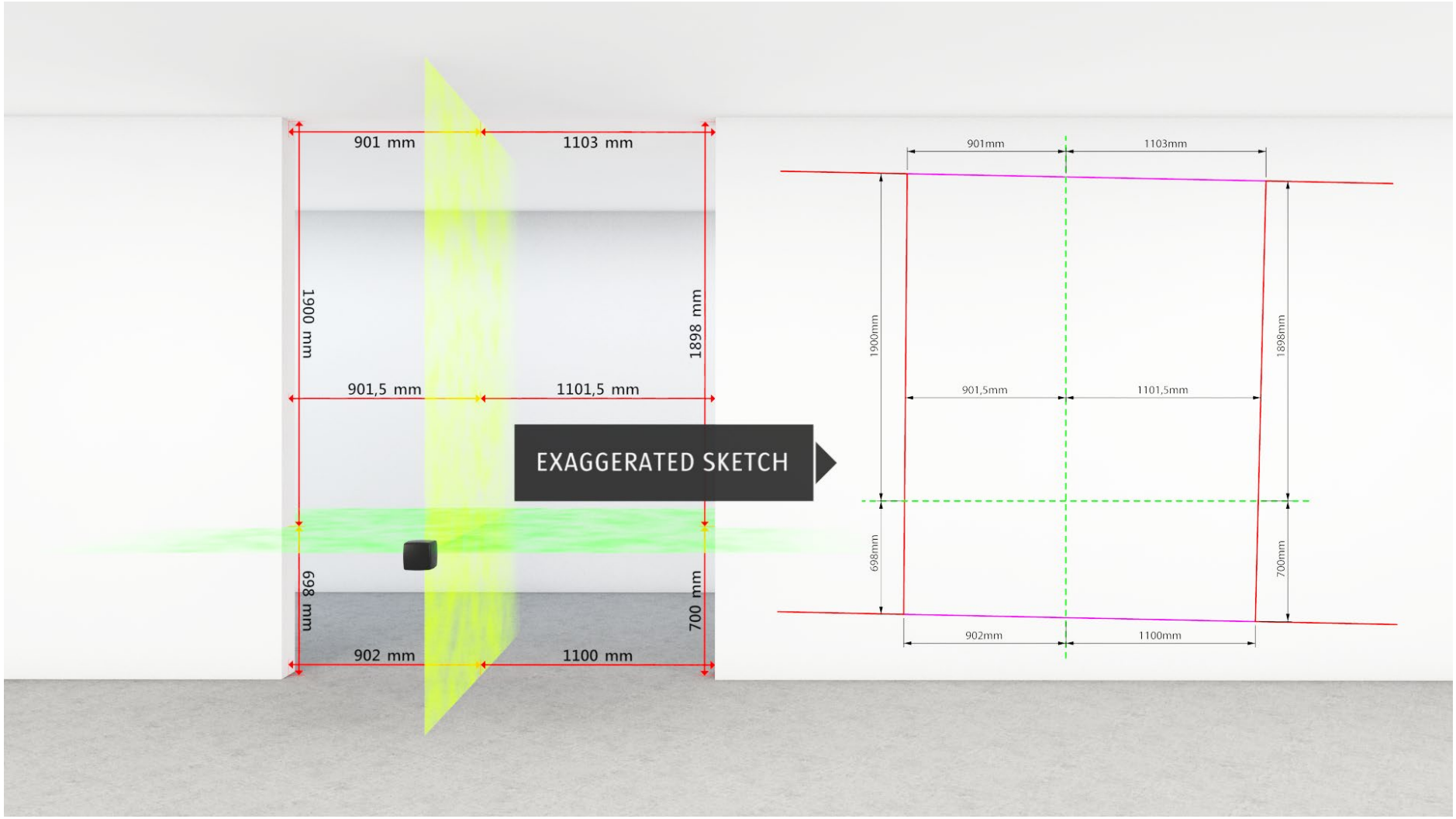
So in this example:
2597 - 23,5 = 2573,5 mm (height)
996 - 10 = 986 mm (width)

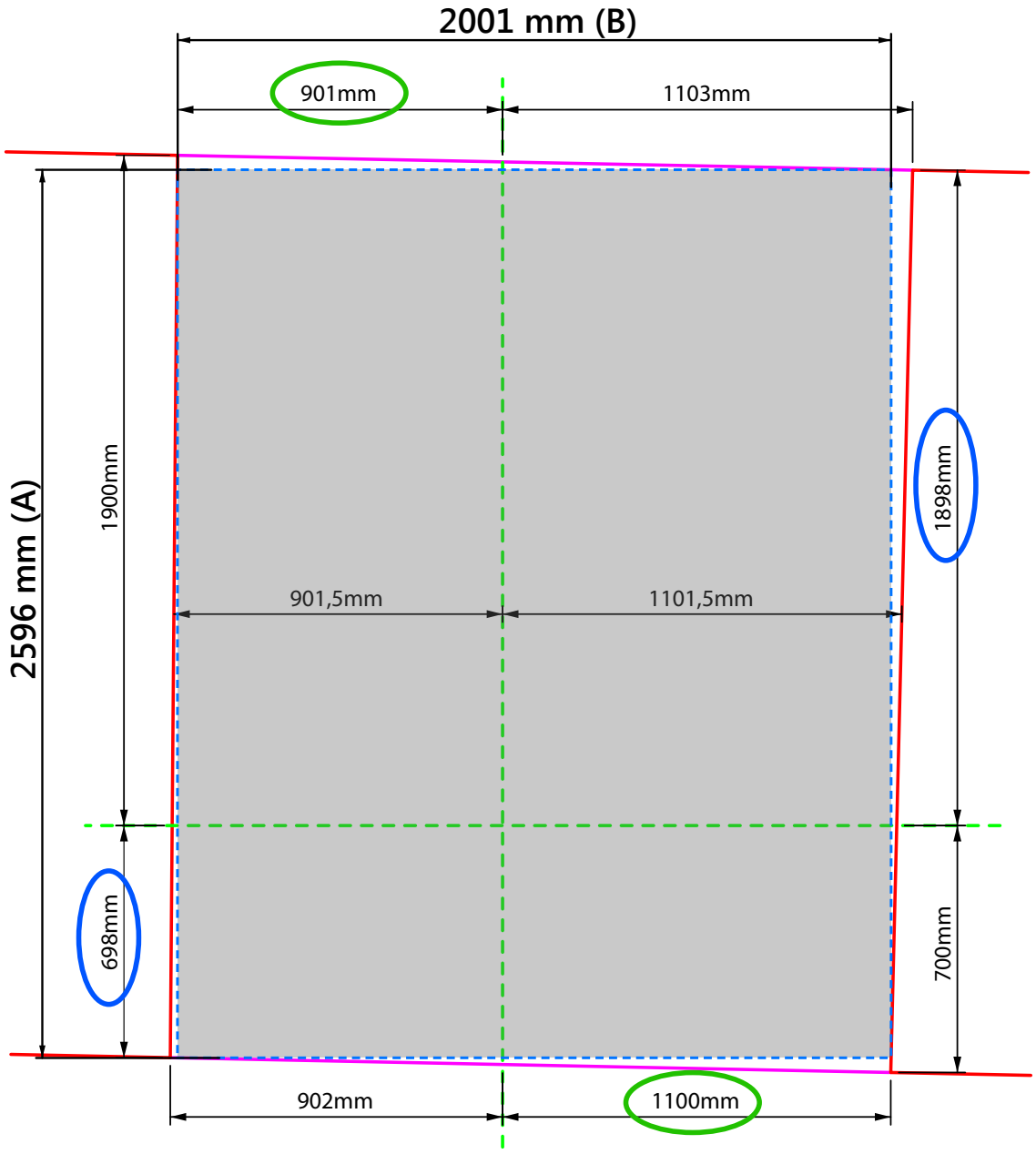
Option 2
Door leaf size =
[A - (11+12,5) +2] x [B - (5+5)]

So in this example:
2597 - 23,5 +2 = 2575,5 mm (height)
996 - 10 = 986 mm (width)

Calculate double door leaf size

Step 1: Measure fully finished doorway with electronic laser

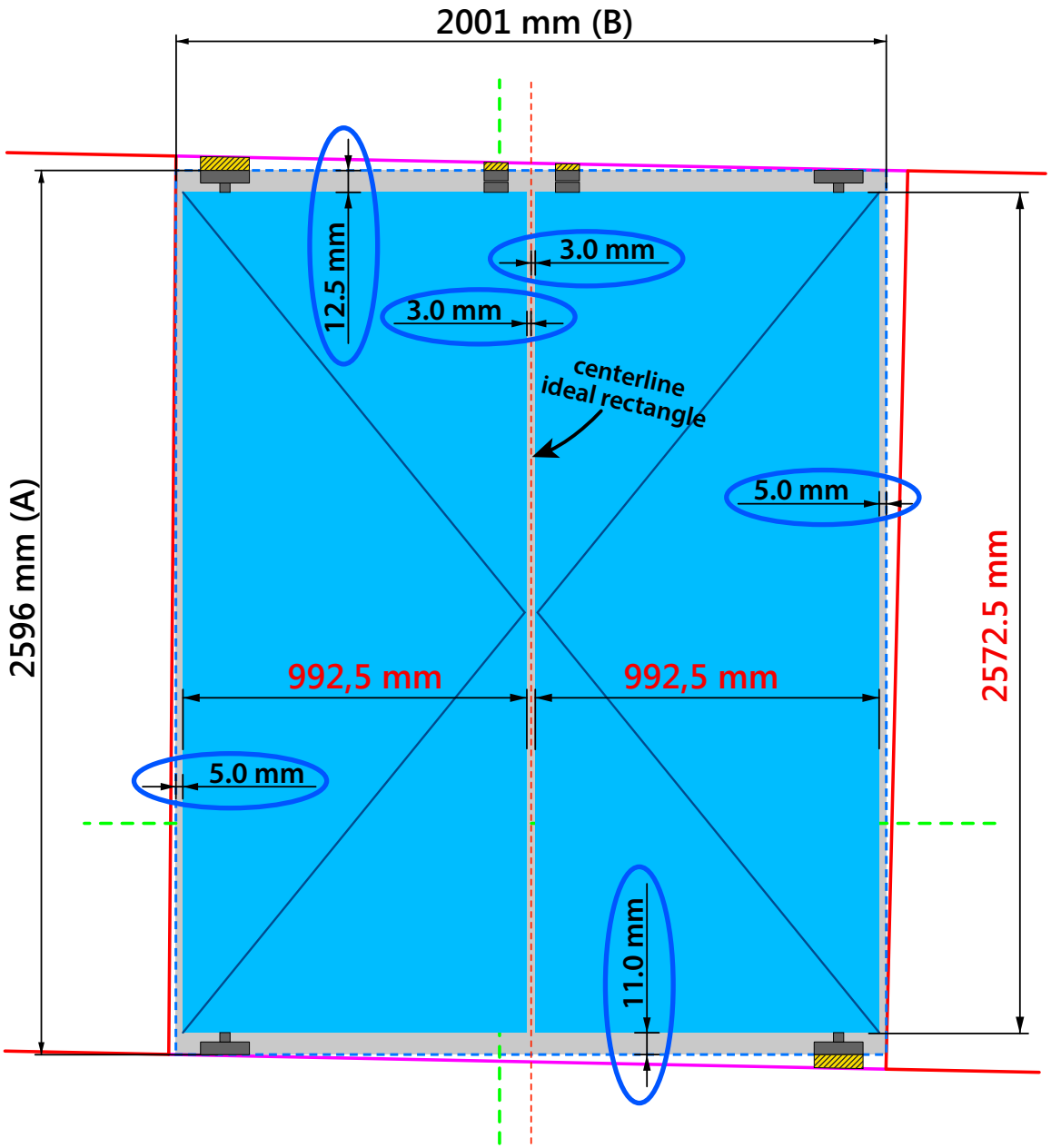




Step 2: Calculate maximum rectangular surface

To calculate the maximum rectangular surface (=grey area), add the smallest dimensions in width and height.

Grey area = 2596mm x 2001mm
(698+1898 x 901+1100)



Step 3: Calculate door leaf size

The maximum rectangular surface will be used to calculate the door leaf size.

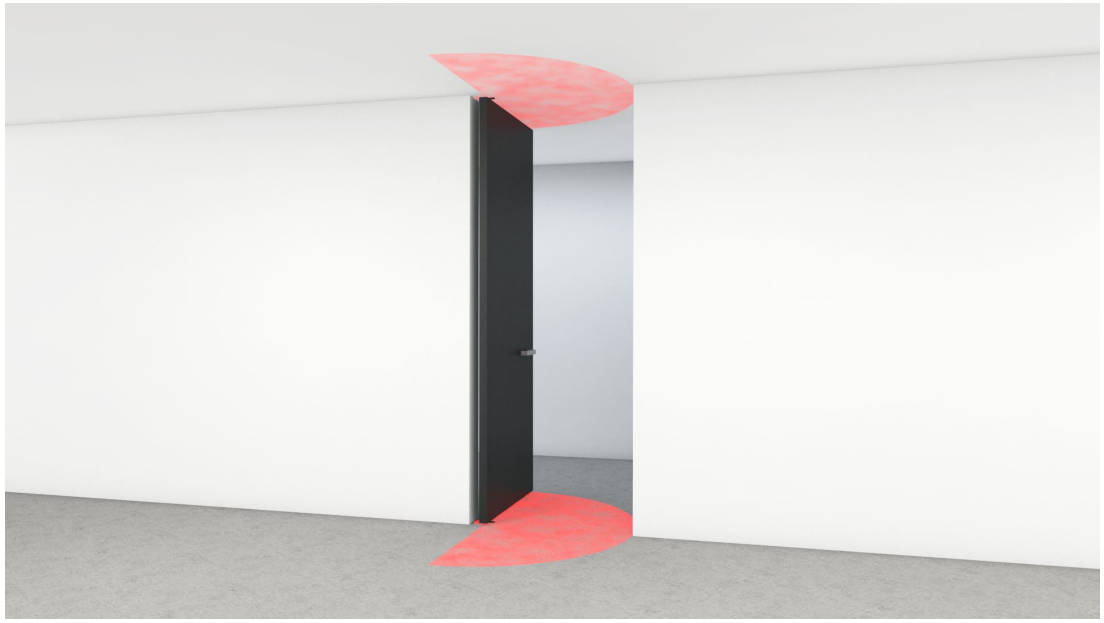
Subtract the advised minimum joint dimension from the maximum rectangle (AxB).

You also need a 6mm gap in between both door leafs, so subtract 3mm in width from each leaf.

Door leaf size =
Height = A - (11+12,5) = 2572,5 mm
Width = (B/2) - 5 - 3 = 992,5 mm

If needed: hinges, optional magnets and 1-way parts need spacers to clear any existing gaps (see door installation manual).

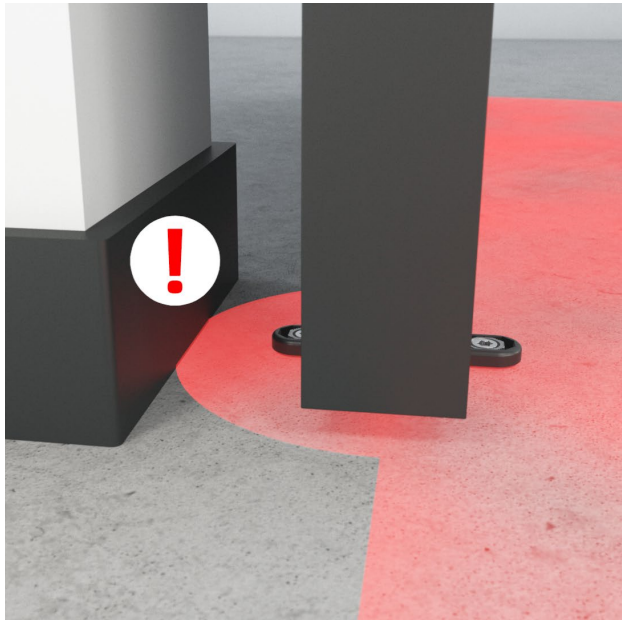
You cannot increase the door leaf height instead of using spacers, as this will result in unequal door leaf sizes!

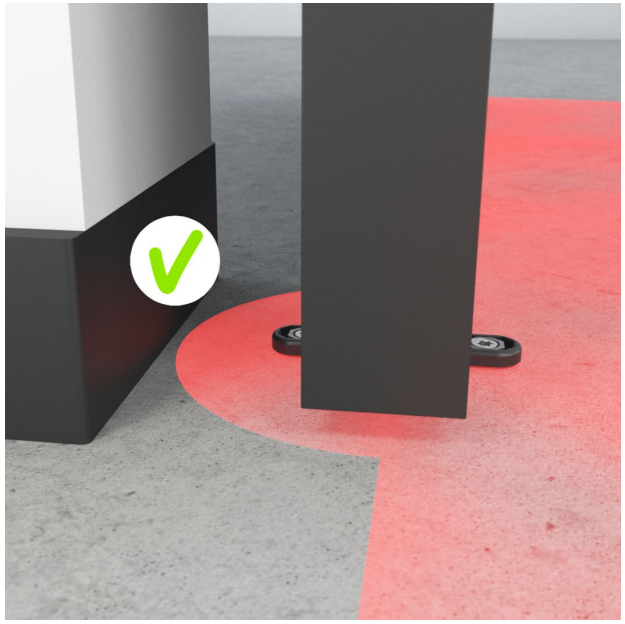


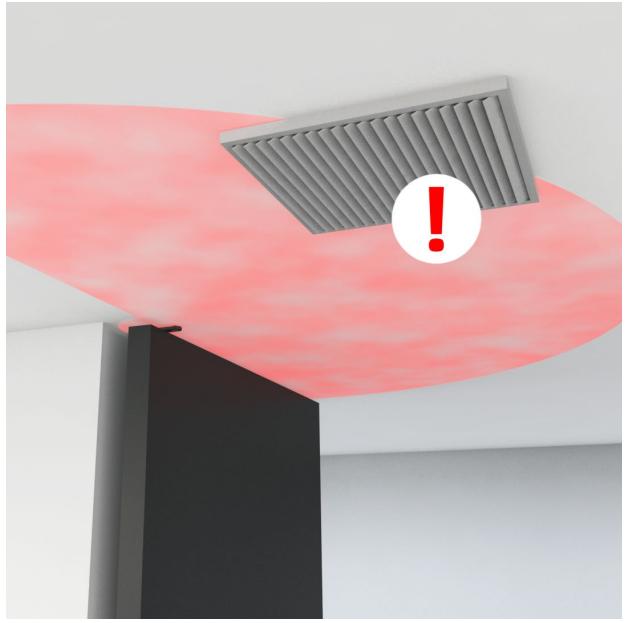
Check obstructions

Check available space at various locations between door leaf and floor / ceiling.

Check for other possible obstructions like plinths, lights, vents, airco, ...

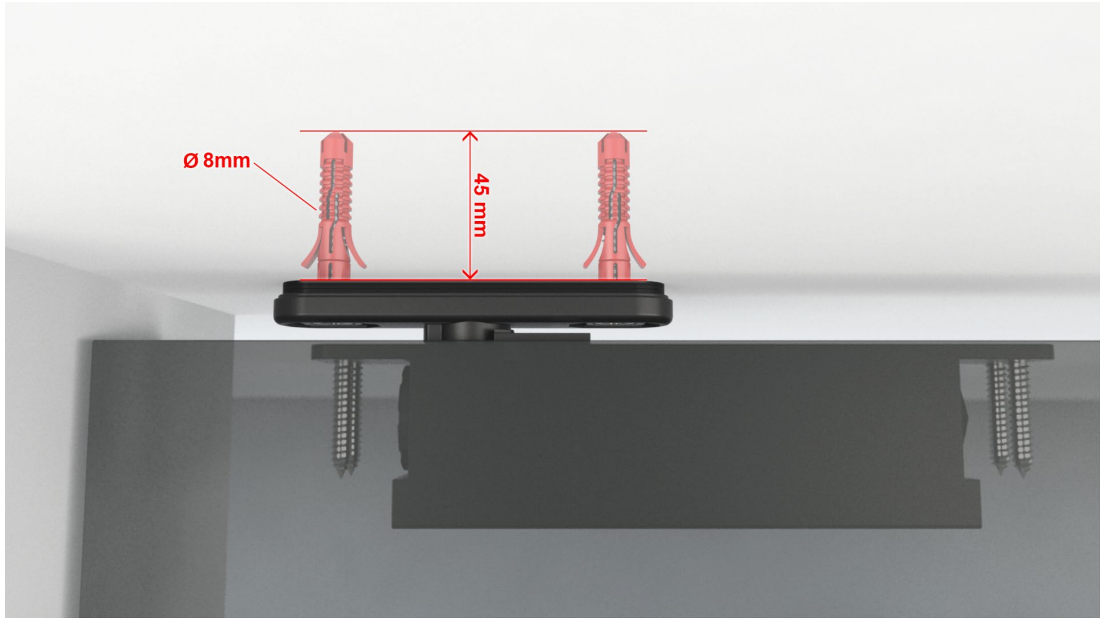






Installation requirements

Solid or reinforced ceiling required!



Solid or reinforced floor surface required!
Verify depth for obstructions (heating, tubes, electricty,...)