

Fixed panel glazing

Sky-Frame

Installation instructions Fixed panel glazing

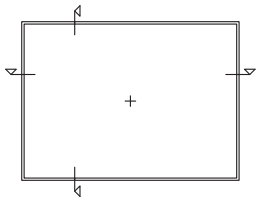
Frame installation of Sky-Frame fixed panel glazing.



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Installation side

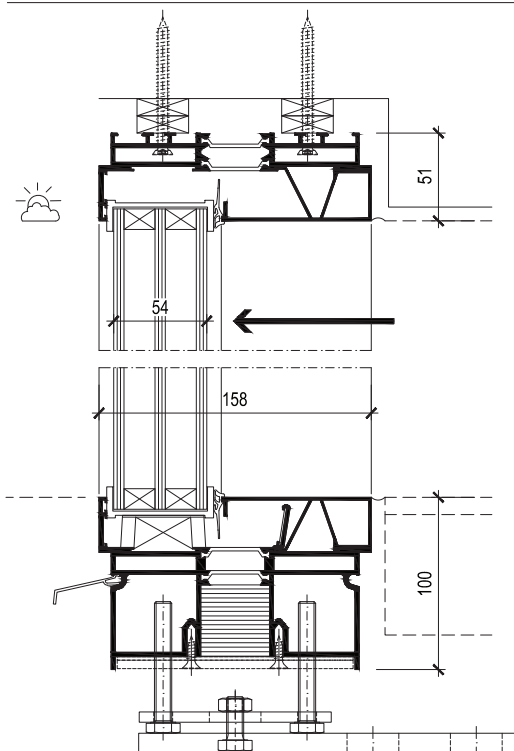
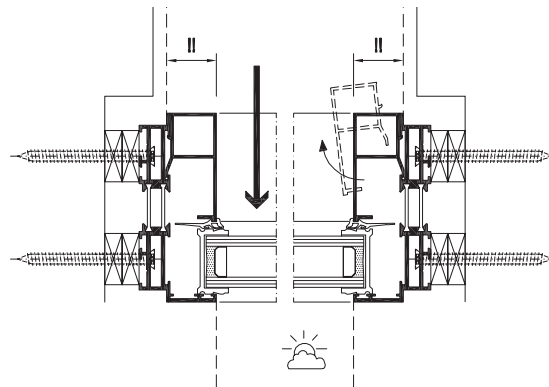
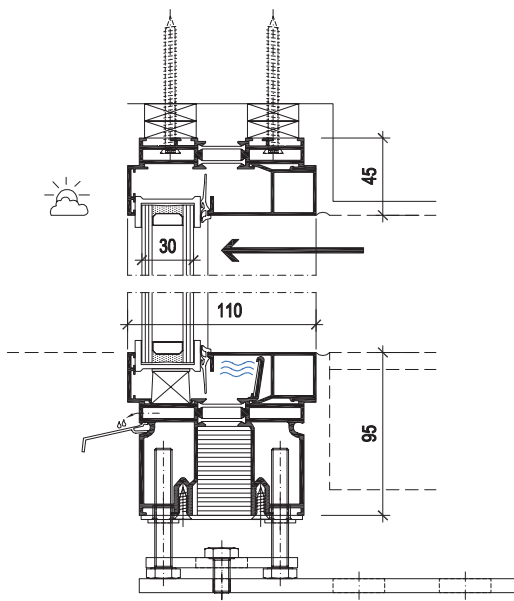
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Installation instructions Fixed panel glazing

The single-leaf fixed panel glazing can be installed from the inside or the outside depending on the situation.

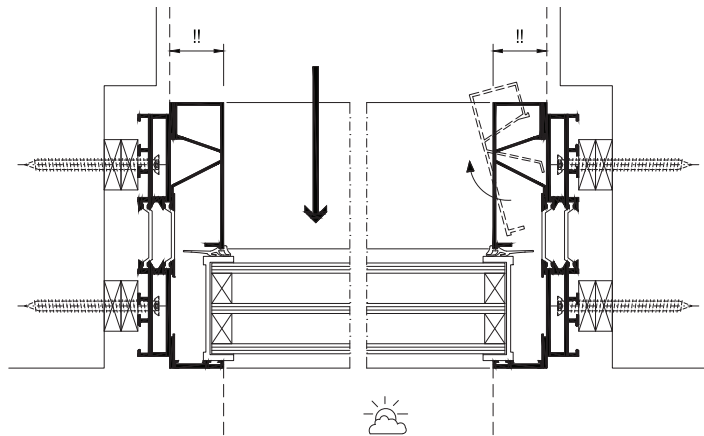
Inserting the glass from the inside

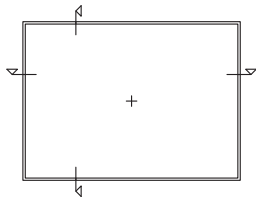
Whereas the soffit and the base can be flush mounted, the lateral glazing bars must be kept clear:



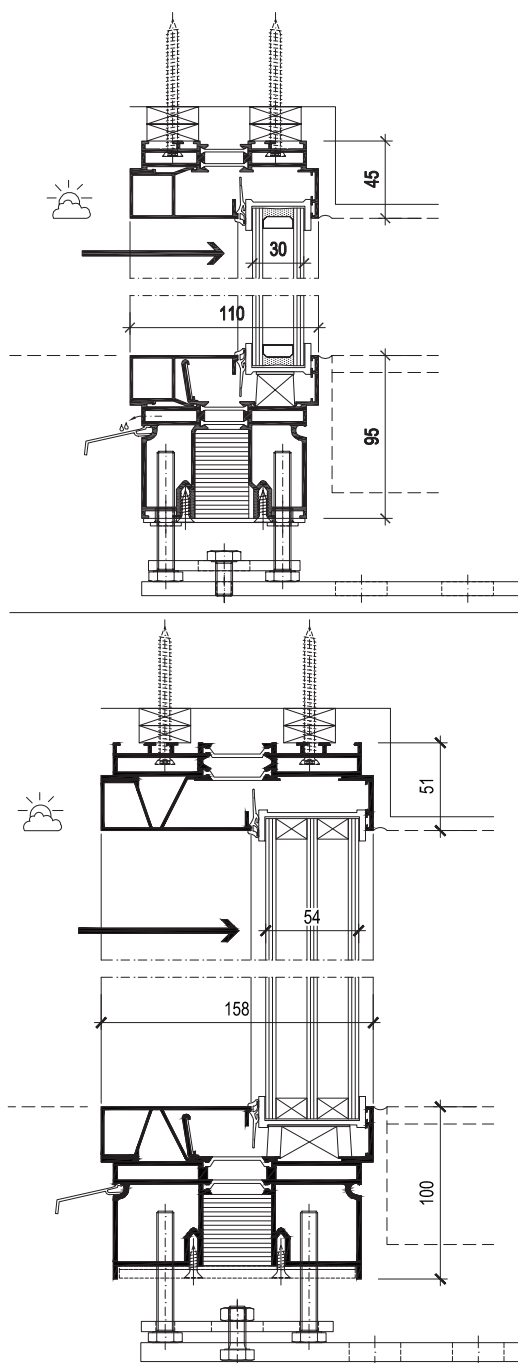
IMPORTANT:

The **lateral glazing bars must be kept clear** so that the glass can be replaced if necessary! The glass is simply moved upwards and then slid out at the bottom (the horizontal glazing bars remain -> 13.7.1.11).





Inserting the glass from the outside



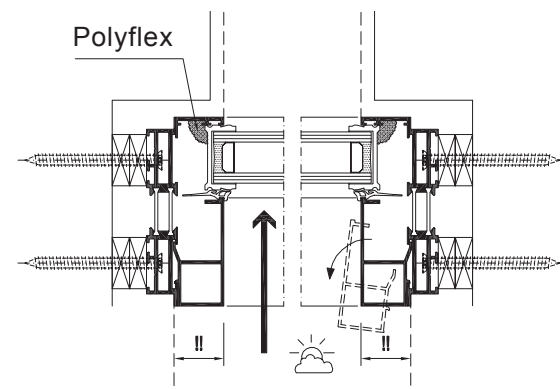
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Installation instructions Fixed panel glazing

With this variant (particularly for large and heavy glass panes which have to be inserted from the outside) it is possible to plaster flush all round on the inside.

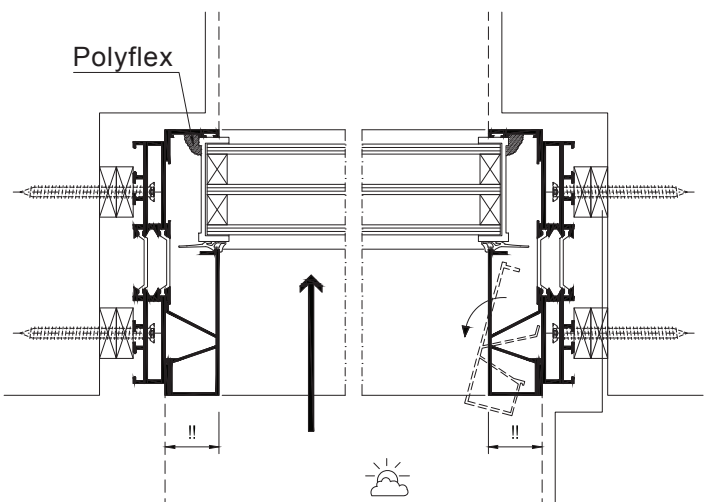
OPTIONAL: Burglary prevention

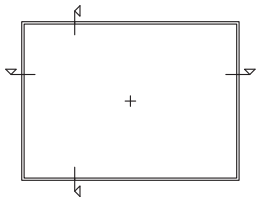
The glass is glued to the frame (Polyflex) at the sides to make forced entry more difficult [->Pg.13.7.1.9].



IMPORTANT:

The **lateral glazing bars must be kept clear** so that the glass can be replaced if necessary! The glass is simply moved upwards and then slid out at the bottom (the horizontal glazing bars remain -> 13.7.1.11).





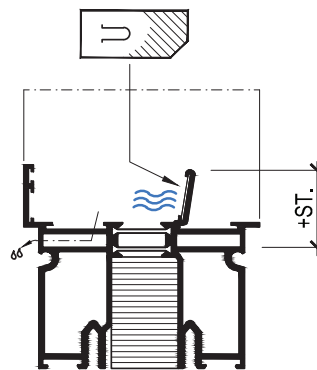
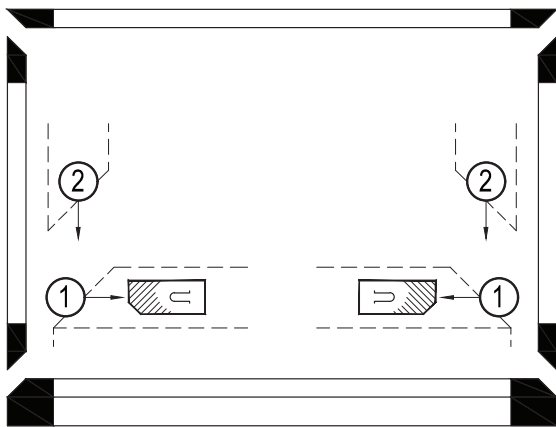
Start of installation

Sky-Frame

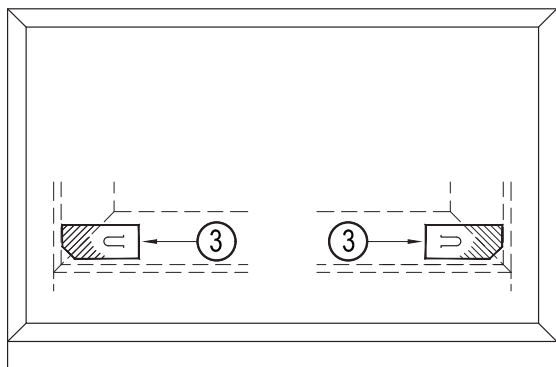
Installation instructions Fixed panel glazing

Before the frame is assembled, the mitre plates [1] in the base profile must be pushed away from the mitre.

Then the frame is assembled in the usual manner [2].



+ST. = safety damming height
(inwards)

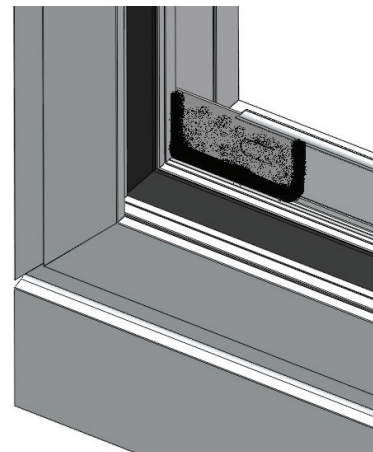
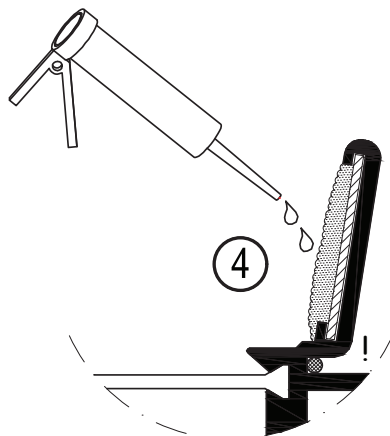
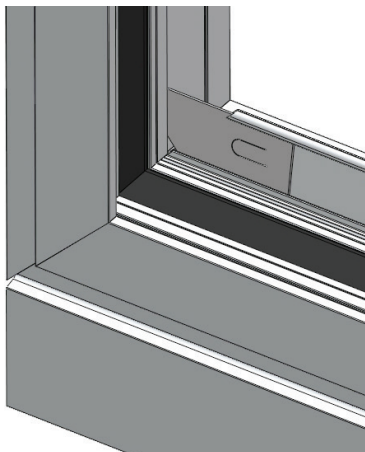


Now slide the mitre plates all the way back over the mitre as far as the stop (vertical profiles) [3].

The two **mitre plates must now be sealed.**

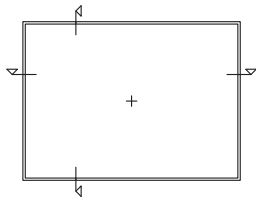
In order to do this, the entire mitre plate must be cleaned and coated with Polyflex 444 [4].

ATTENTION: Do not fill the groove of the glazing bar with Polyflex!



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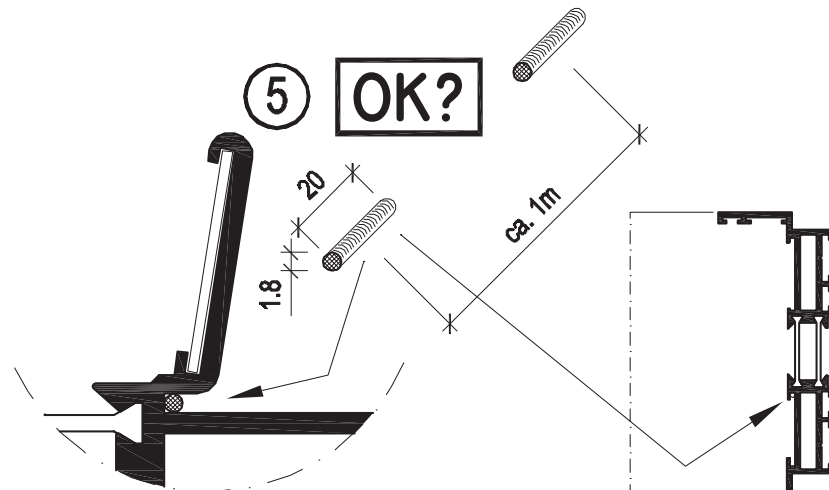
Installation instructions Fixed panel glazing



Checking the sealing cord

The clamping action of the glazing bars is provided by using a sealing cord (orange).

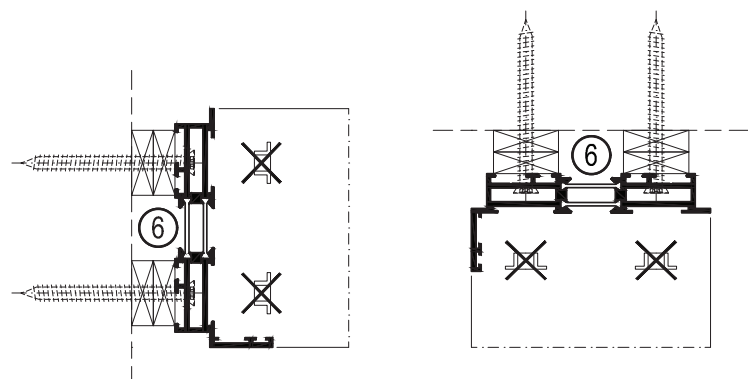
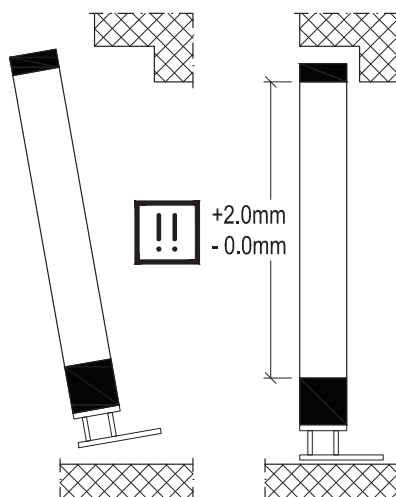
It must be checked whether the sealing cord has been inserted in the glazing bar groove [5] all round at an interval of about 1m.

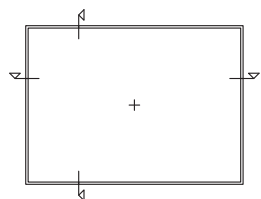


Installing the frame

During frame installation it must be noted that **NO screw locking mechanisms** are used!

The frame must **be securely supported all round** [6] and installed in an exactly horizontal position (+2/-0), since it will otherwise be impossible to clip in the glazing bars.





Use of the fixed panel supports

Sky-Frame

Installation instructions Fixed panel glazing

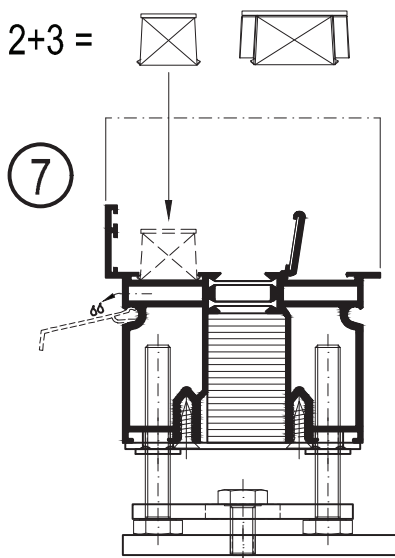
The fixed panel supports are inserted into the chamber [7].

A distinction is made as to whether double or triple insulating glass is used when doing this.

Sky-Frame 2+3:

There is a rubber support on each factory-installed **fixed panel support** as standard.

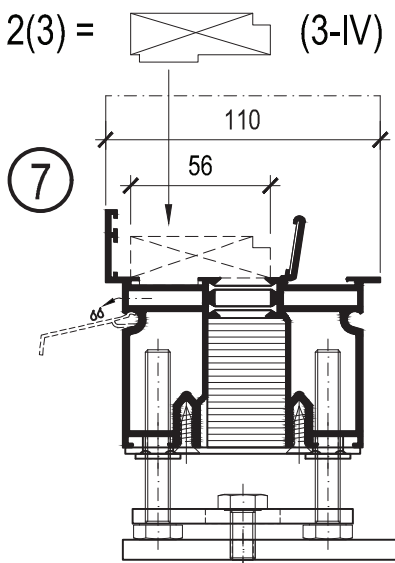
Sky-Frame 2+3 =



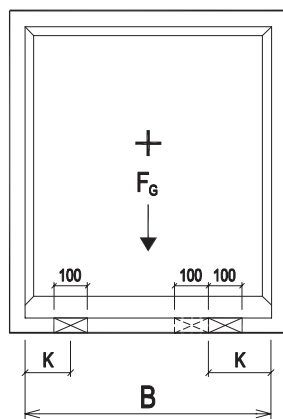
Sky-Frame 2(3):

There is no rubber support on the factory-installed **fixed panel support blocks** (W=56 mm).

Sky-Frame 2(3) =



The number of glass supports depends on the **weight of the glass F_G** .

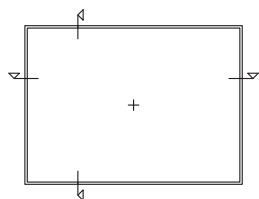


glass weight $F_G =$	fixed glass supports amount:
0 – 500 kg	2 pce. / glass
500 – 900 kg	4 pce. / glass

glass width $B =$	fixed glass supports axis $K =$
1.0 m	150 mm
1.5 m	200 mm
2.0 m	250 mm
2.5 m	300 mm
3.0 m	350 mm
3.5 m	400 mm
4.0 m	450 mm

With **heavy glass**, two glass supports must be positioned next to each other (see table).

The **axis dimension “K”**, which depends on the width of the glass, **must be adhered to when doing this**.



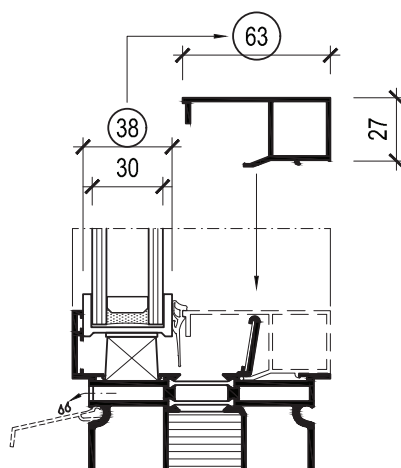
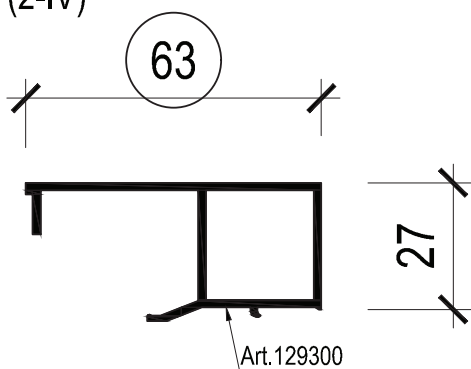
Sky-Frame

Installation instructions Fixed panel glazing

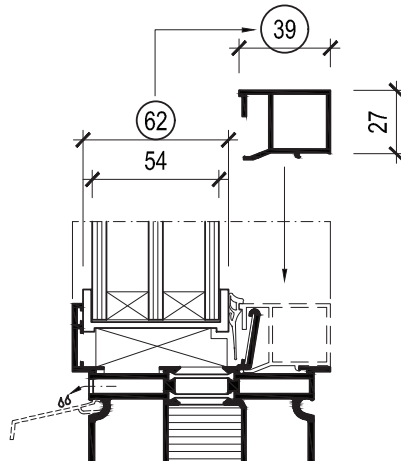
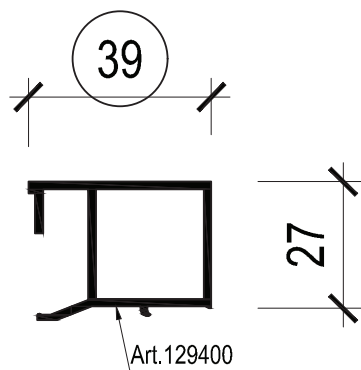
Glazing bars

There are three different glazing bars:

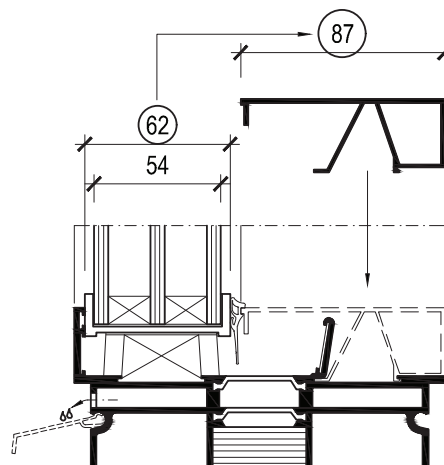
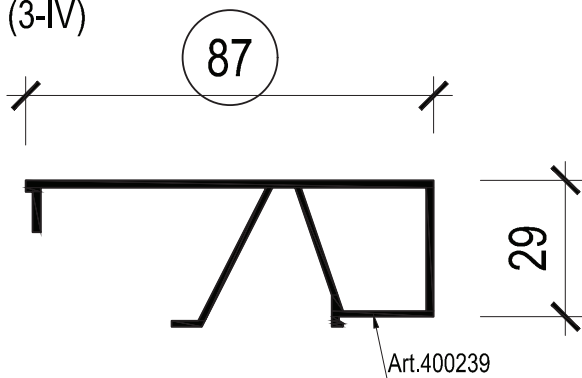
Sky-Frame 2:
(2-IV)

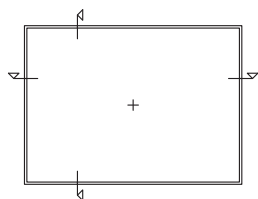


Sky-Frame 2(3):
(3-IV)

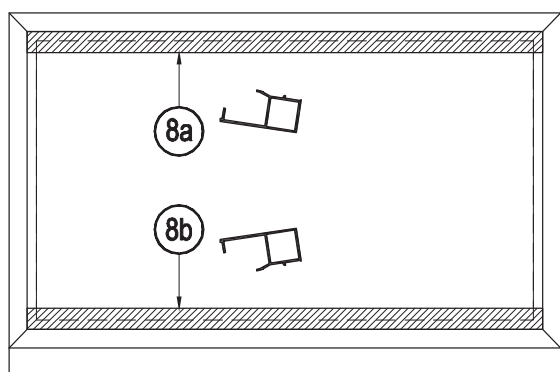


Sky-Frame 3:
(3-IV)





Horizontal glazing bar installation



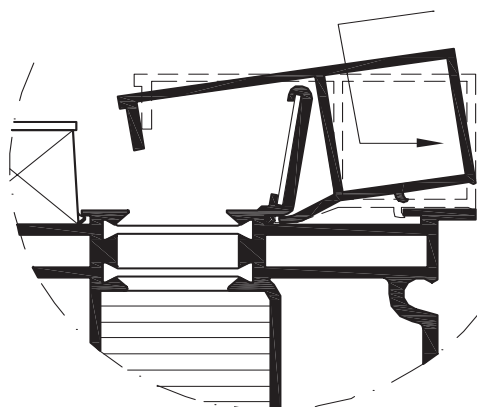
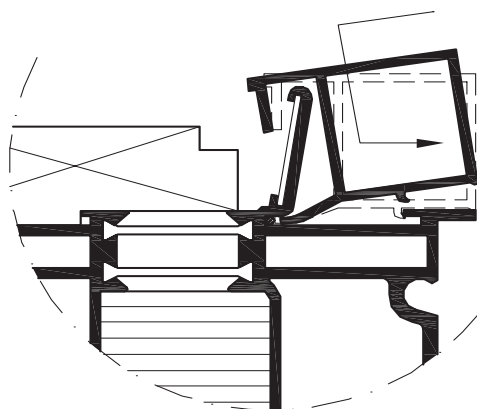
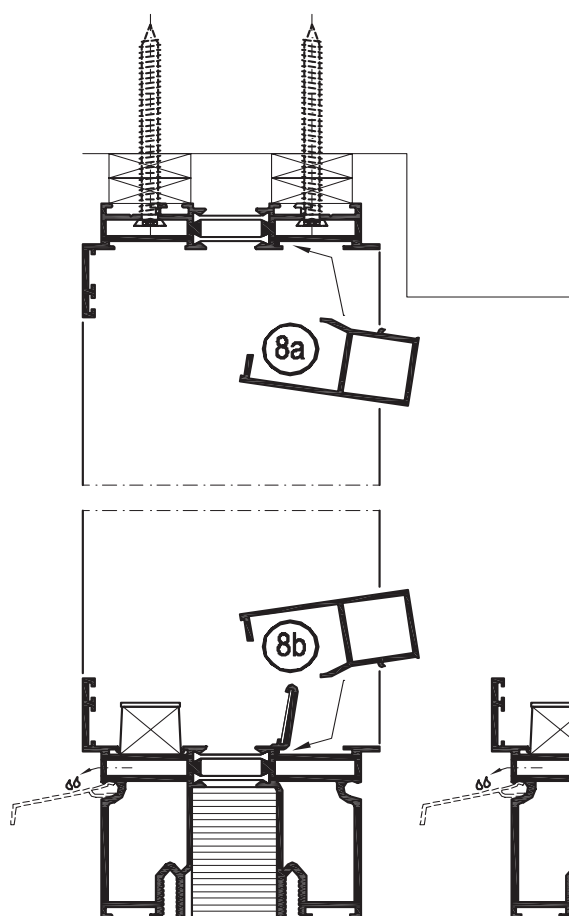
Sky-Frame

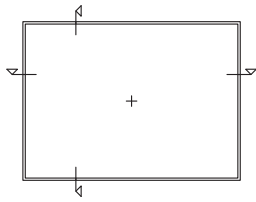
Installation instructions Fixed panel glazing

The horizontal glazing bars must be installed first so that the glass can be inserted later (after making the structural connections). This ensures that the glass can be removed again at a later date [->13.7.1.11].

Clipping in:

The glazing bars are guided over the angled frame flanges and turned in such a way that the small glazing bar tab engages in the chamber [[8a+b] with a small amount of pressure against the sealing cord.



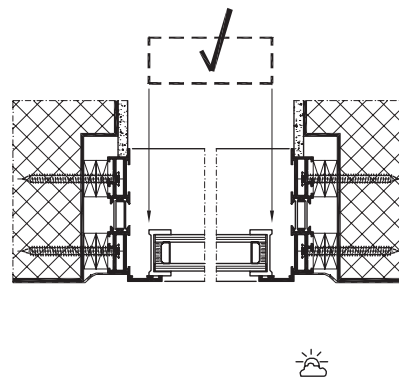
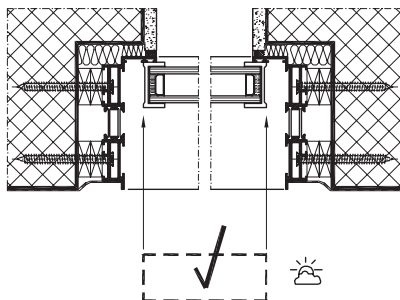
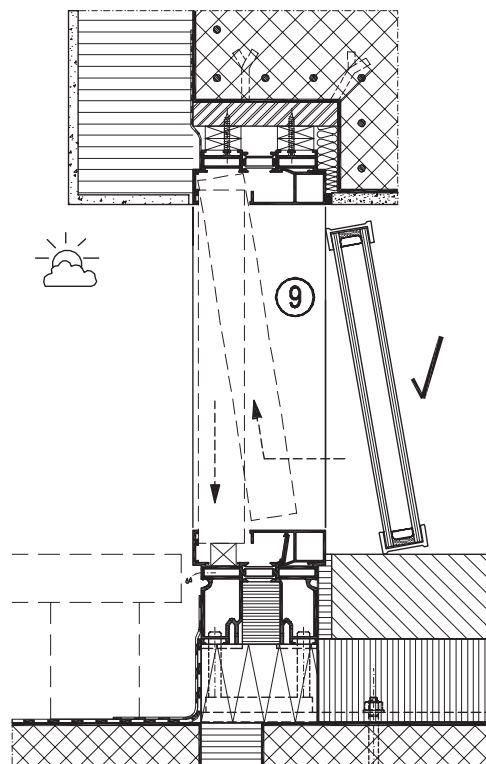
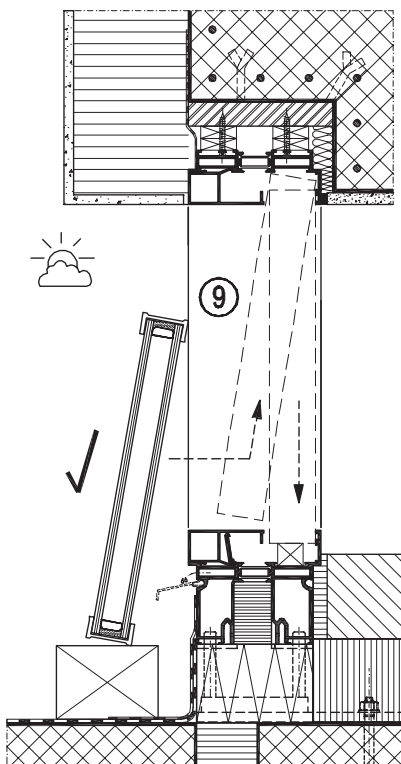


Glass insert

Sky-Frame

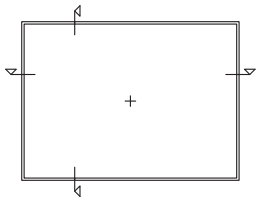
Installation instructions Fixed panel glazing

Before the glass is inserted, the horizontal glazing bars have to be installed and the structural connections made. Then the glass must be lifted between the glazing bars as illustrated [9].



Removability:

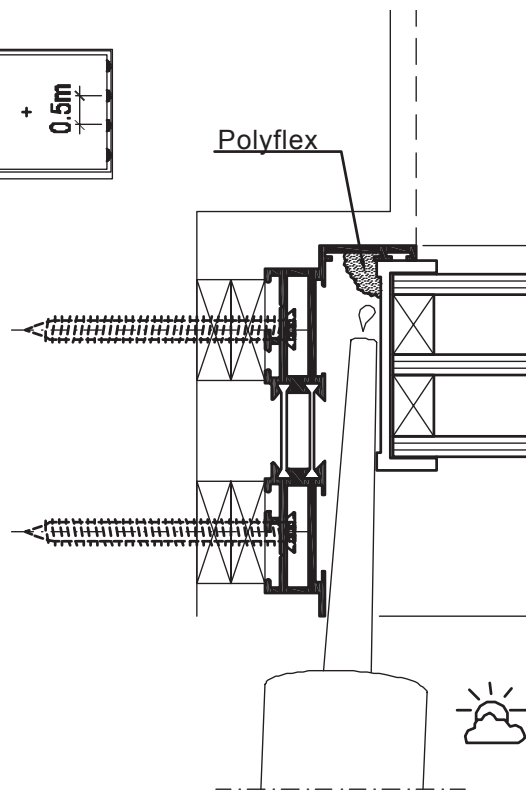
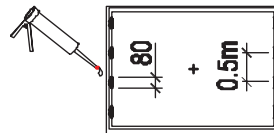
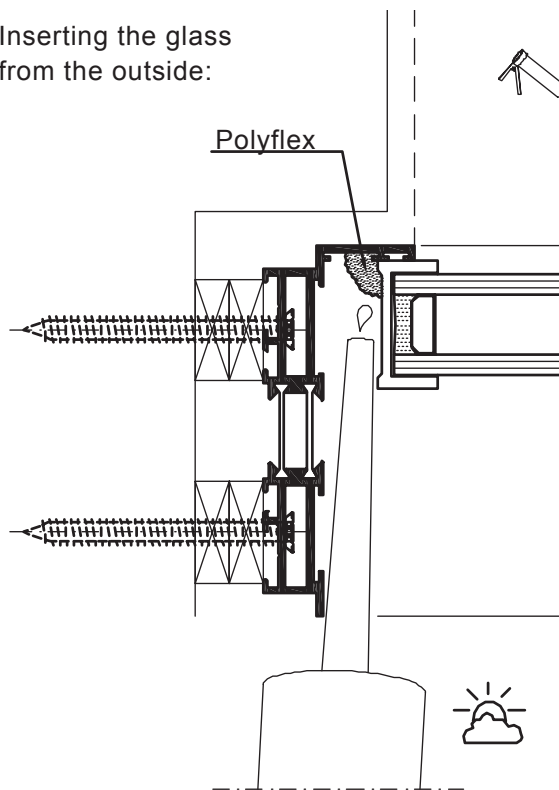
It must be ensured that the glass can be removed [->13.7.1.11].



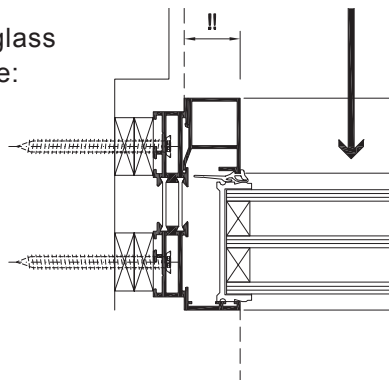
OPTIONAL: Burglary prevention



Inserting the glass
from the outside:



Inserting the glass
from the inside:

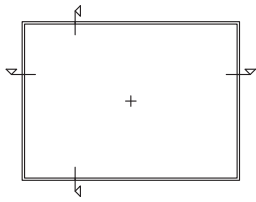


Sky-Frame

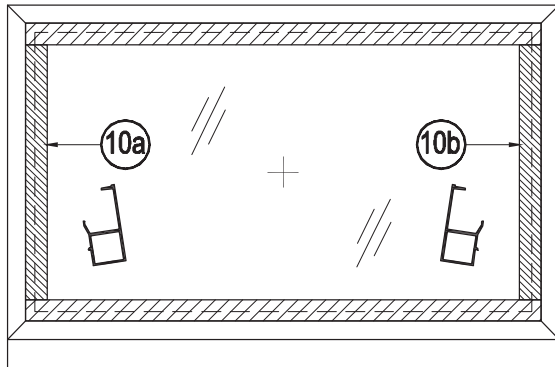
Installation instructions Fixed panel glazing

If additional burglary prevention is required, with the “insert glass from the outside” variant, the glass must be glued to the frame at the side (preferably secured with glazing bars at the top and bottom -> 13.7.1.7).

Polyflex 444 must therefore be injected into the rebate after the glass has been inserted (L=80 mm, every 0.5 m).



Vertical glazing bar installation

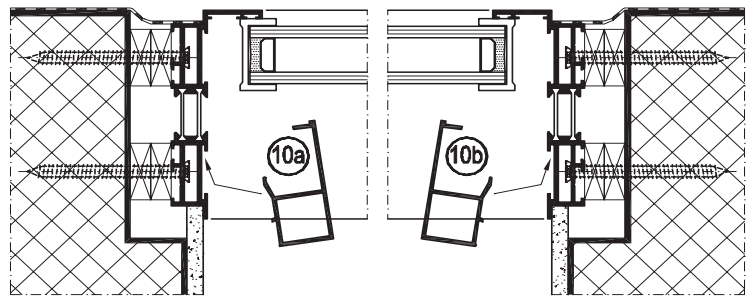


Fixed panel seal

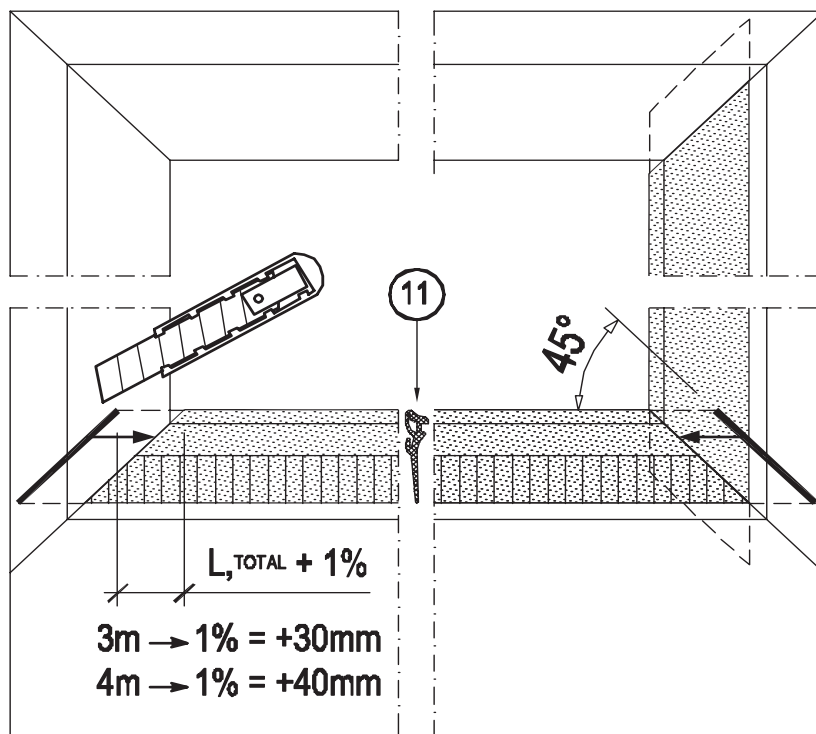
Sky-Frame

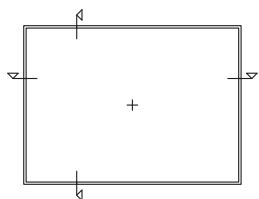
Installation instructions Fixed panel glazing

The vertical glazing bars [10a+b] can be hooked in after inserting the glass.



Cut the fixed panel seals approx. **1% longer** than the actual internal dimension in the mitre, compress lengthways and press into the groove [11].



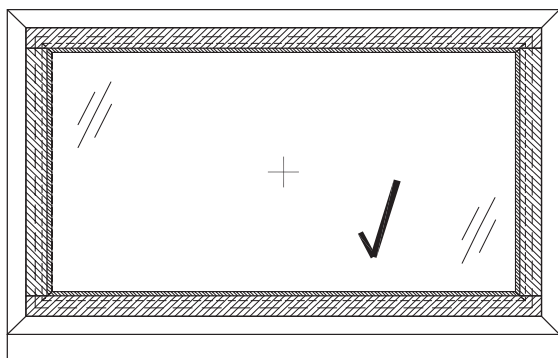


Completion of installation

Sky-Frame

Installation instructions Fixed panel glazing

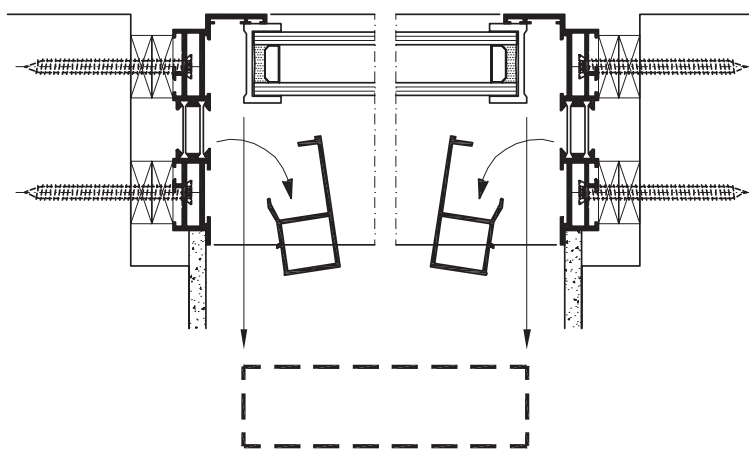
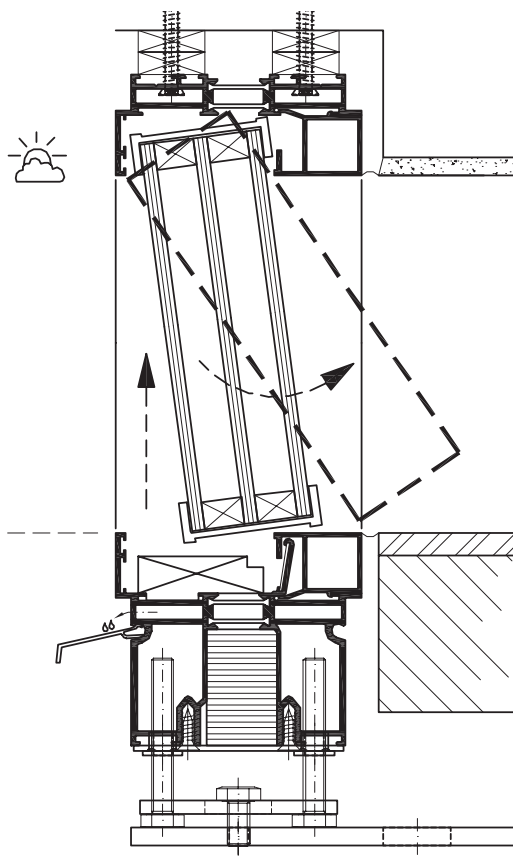
It is advisable to carry out a partial and final inspection.



Removing / replacing the glass:

Should the glass need to be replaced, it must be possible to move the glass out of the plastered horizontal glazing bars, since these can no longer be removed.

All fixed panel seals must be removed and both lateral glazing bars taken out.



Then lift the glass all the way up and slide out at the bottom (the horizontal glazing bars remain).