

PANOVA

WINDOW & DOOR SYSTEMS

TECHNICAL CATALOG

PANOVA
WINDOW & DOOR SYSTEMS

alwindo
window & door systems

HANEMANN
Kunststoff Systeme für Fenster und Türen

PANGLASS

2025/1

ön kapak arkası “boş” baskısız olacak



Contents

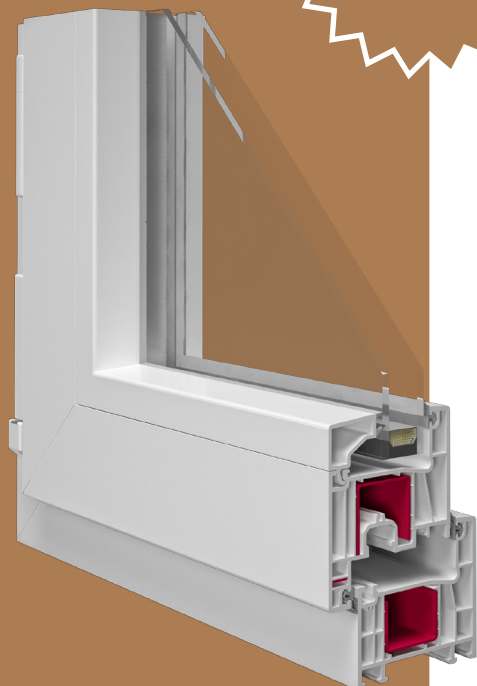
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History of Panova

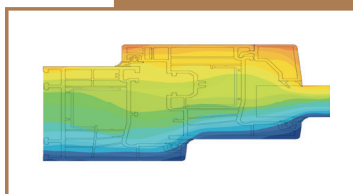
Establishment of Özgür Yapı A. Ş.	1991
Continued Operations Under the Commercial Name Özgür Yapı A. Ş.	1995
Investment in a PVC Joinery Production Facility	1997
Double Glazing Systems Production Facility	2001
Investment in a Glass Tempering Furnace and Machinery	2008
Transition to CNC Machinery in PVC Joinery Production Systems	2013
Started Generating our own Energy with Solar Panels	2023
PVC Door and Window Profiles Production	2024
Establishment of the Panova Windows and Doors Brand	2024
Laminated Glass Systems Production Facility	2024
New Investments...	2025

$U_f: 1,32 \text{ W/m}^2\text{-K}$

$U_w: 1,28 \text{ W/m}^2\text{-K}$

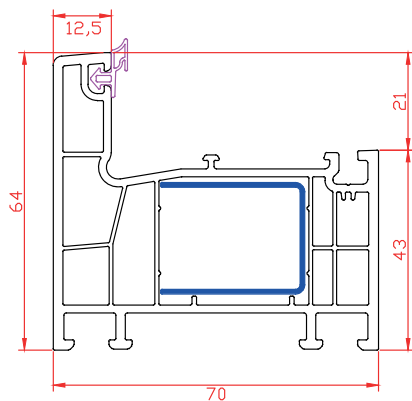


ALWIN70

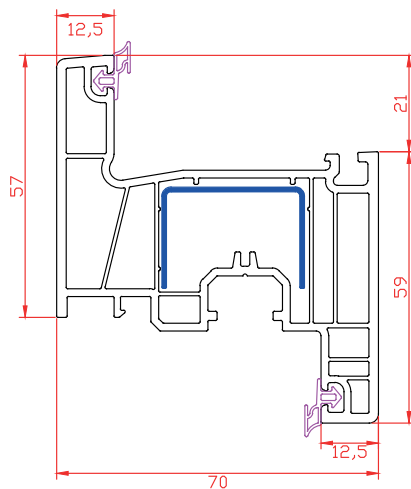


Technical Specifications

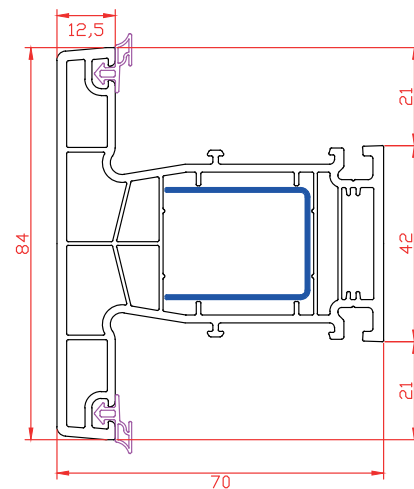
Profile Width	: 70 mm
Number of Chambers	: 5 Chambers
Number of Gaskets	: 2 Gaskets
Gasket Material	: TPE Gray / Black
Glazing Bead	: Single Leg with PCE Gasket
Glass Thicknesses	: Single Glass, 24/30/36 mm



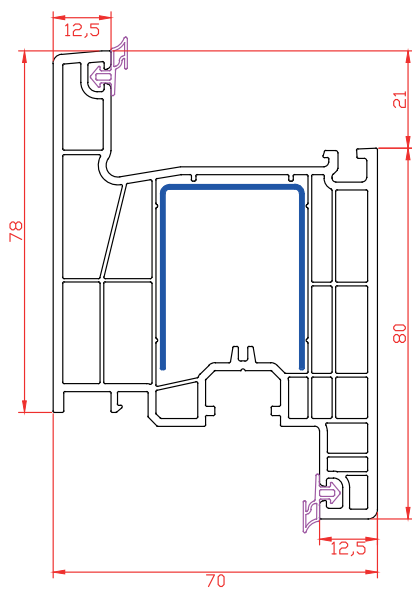
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Frame Profile



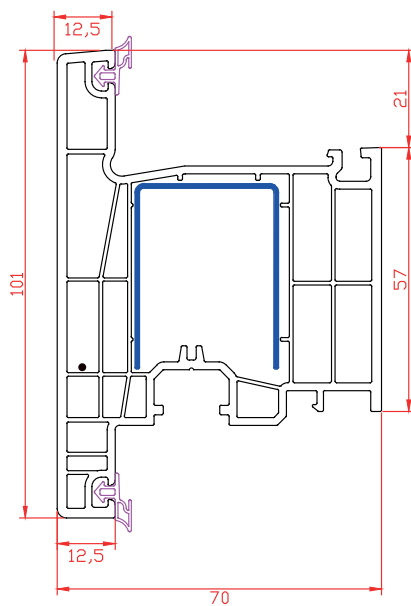
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Sash Profile



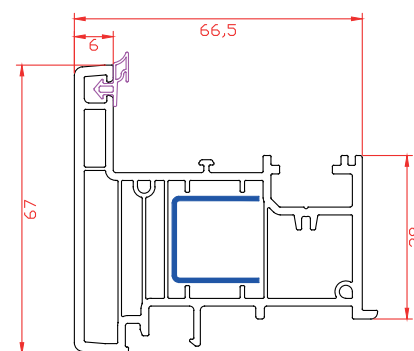
•11703
Mullion Profile



•11706
Door Sash Profile

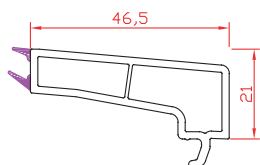


•11707
Exterior Door Sash
Profile

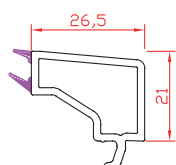


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Stump Profile

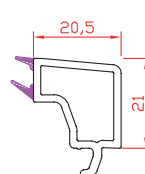
Glazing Beads



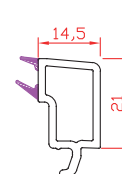
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4 mm Glazing Bead



• 19724
24 mm Glazing Bead

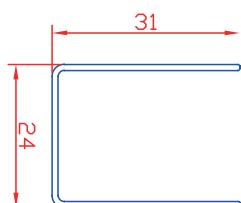


• 19730
30 mm Glazing Bead

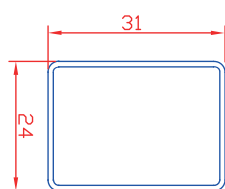


• 19736
36 mm Glazing Bead

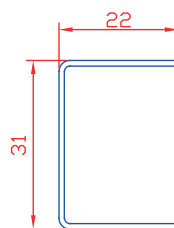
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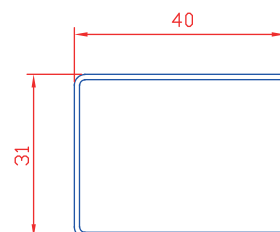
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- 1.5 mm
- 2.0 mm



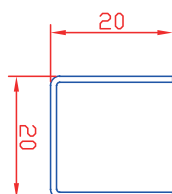
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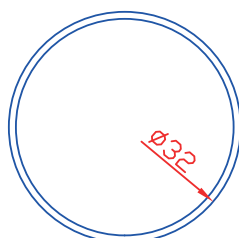
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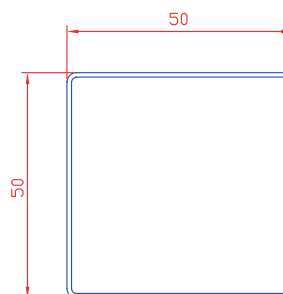
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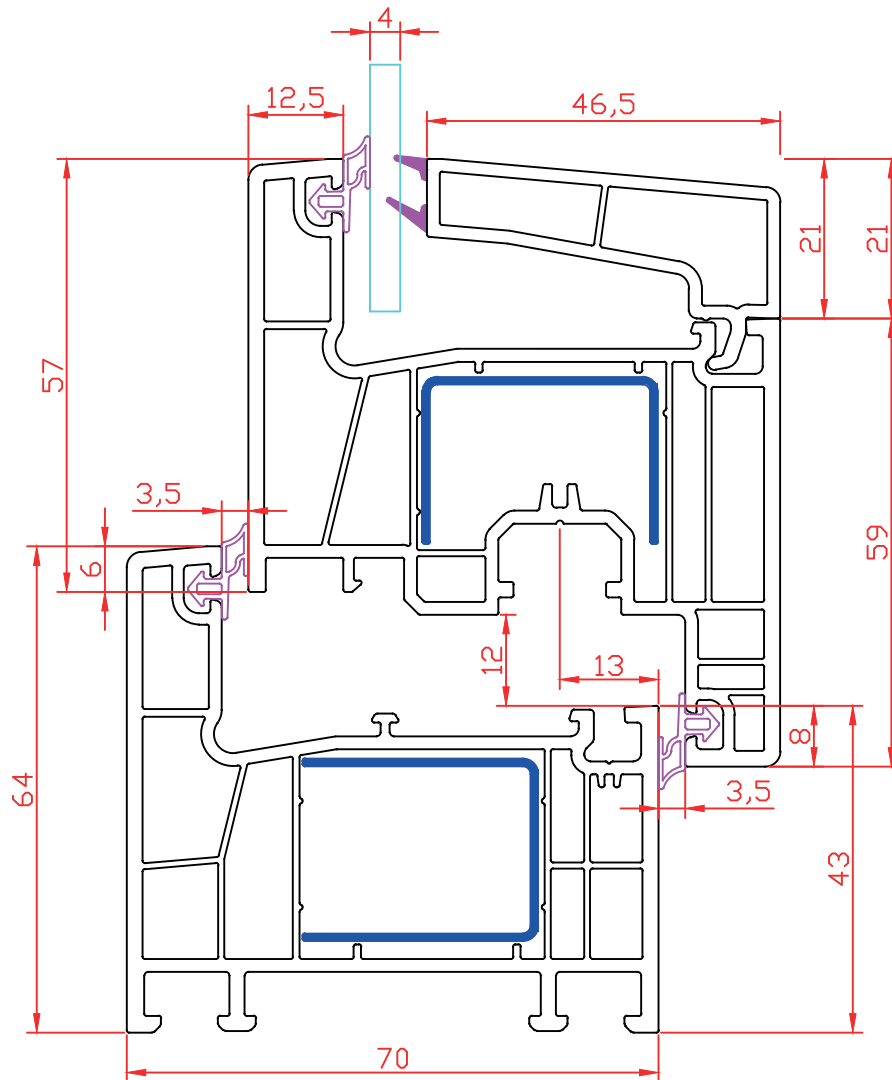
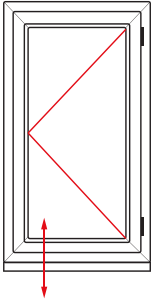
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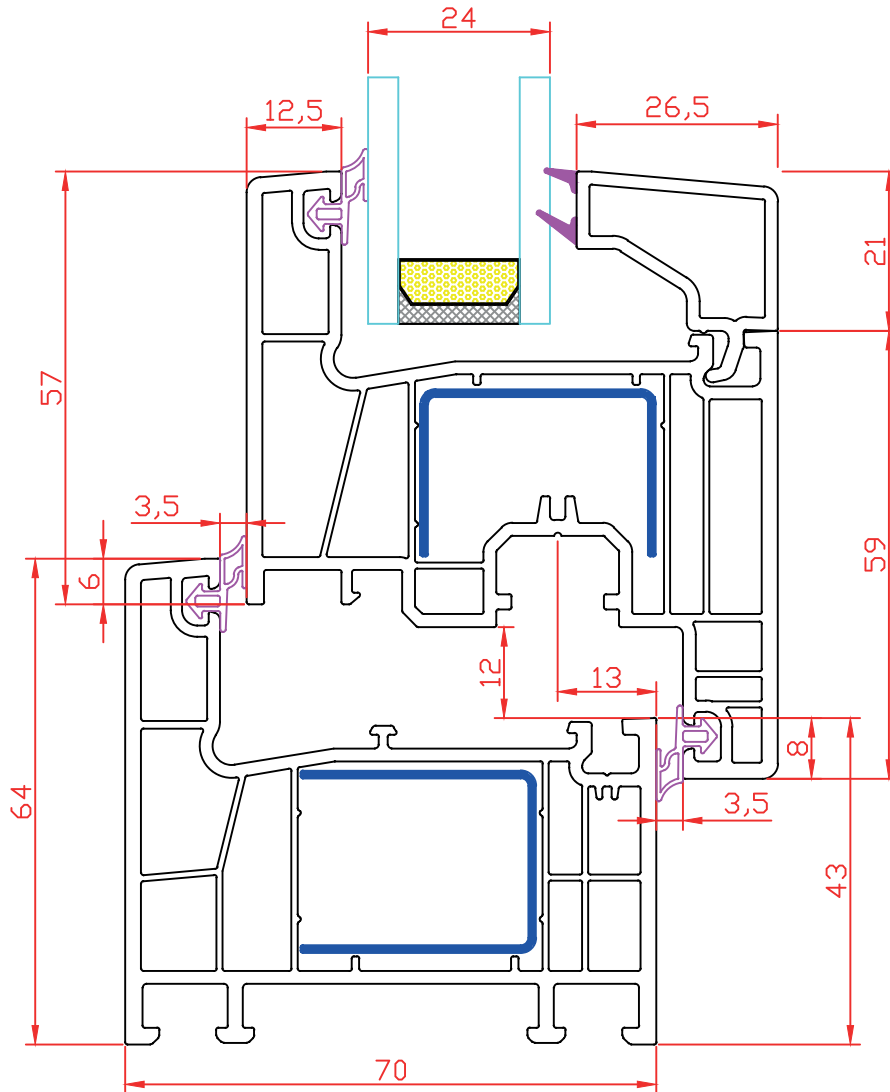
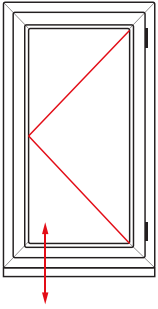


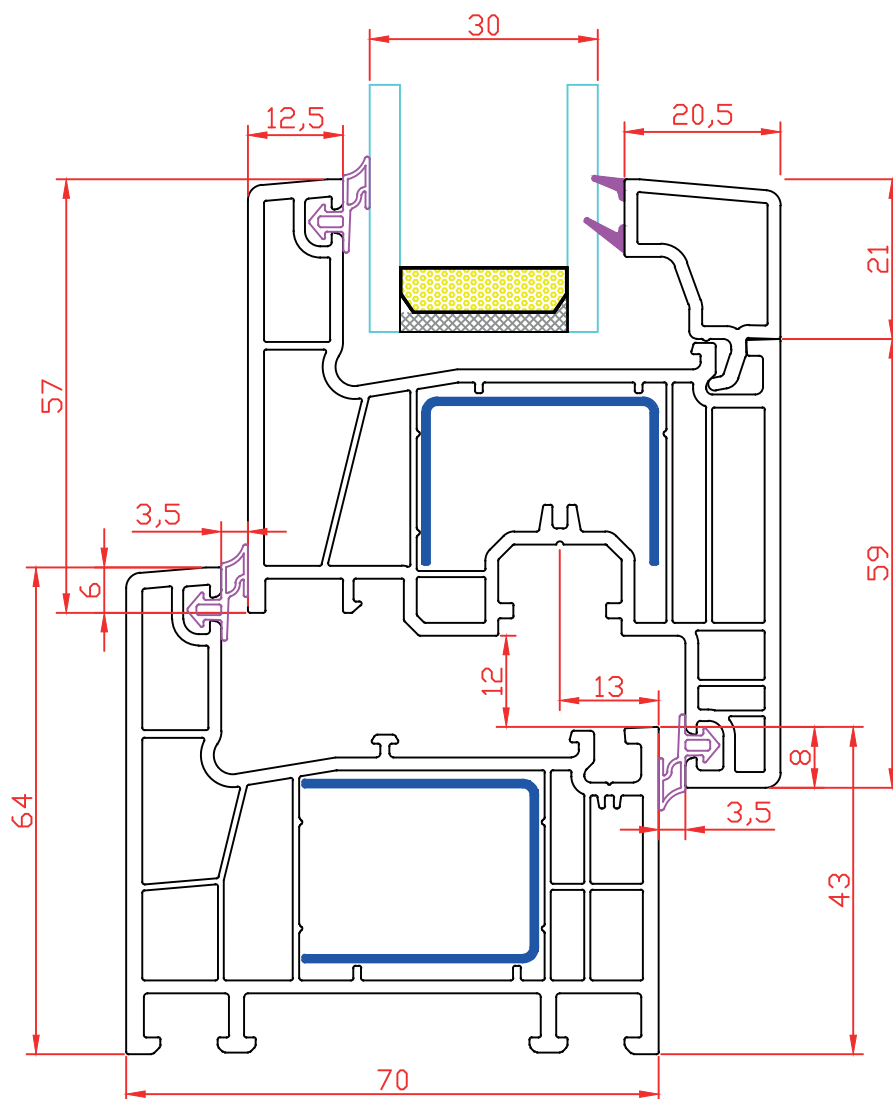
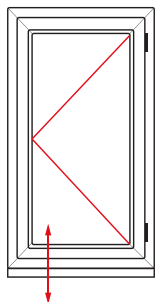
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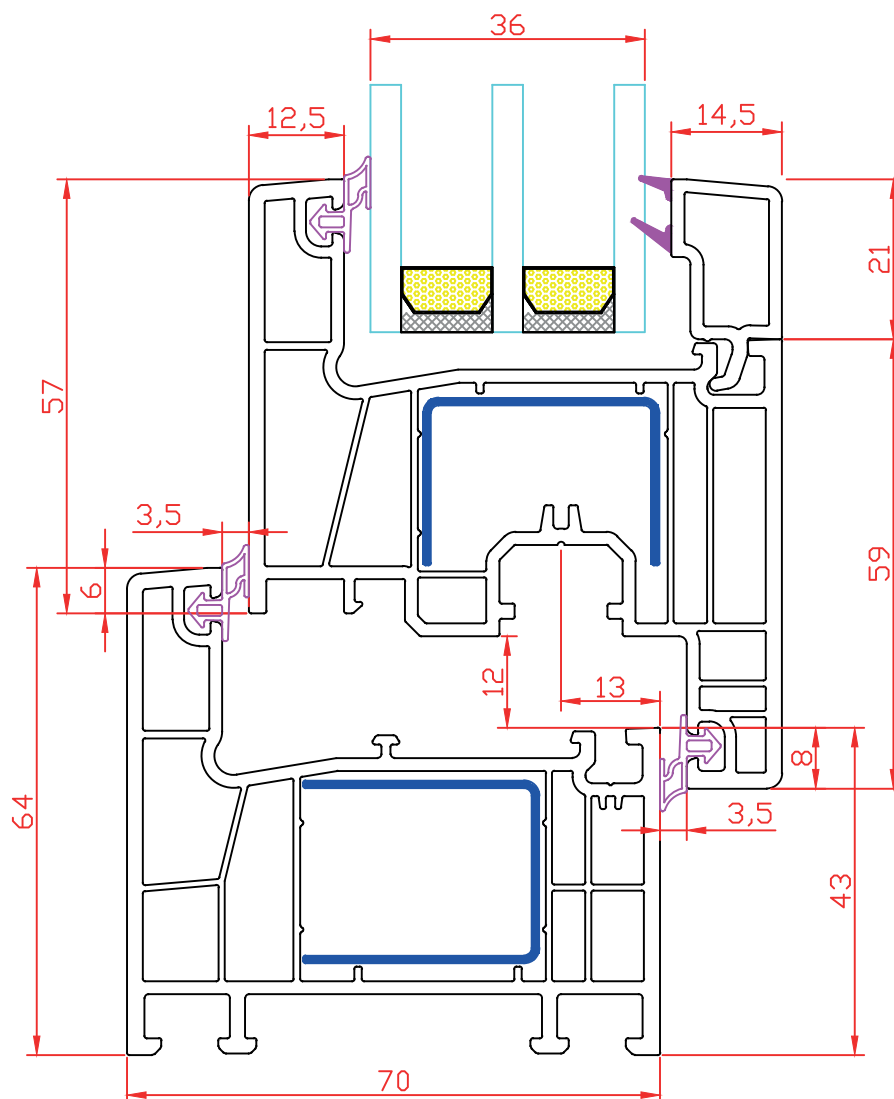
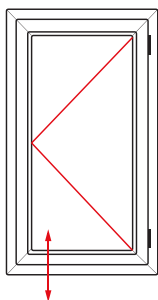


- 2.0 mm

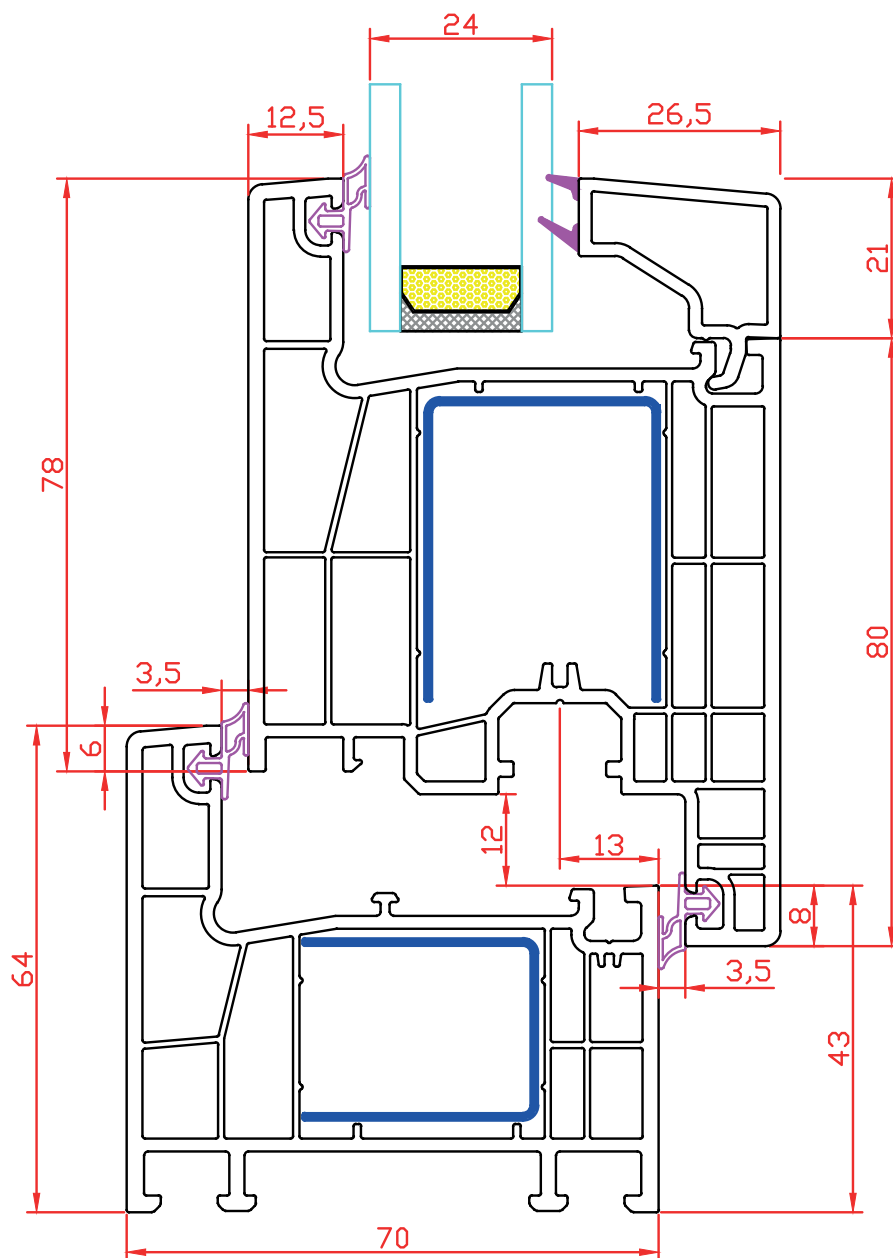
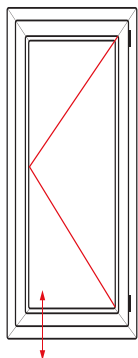


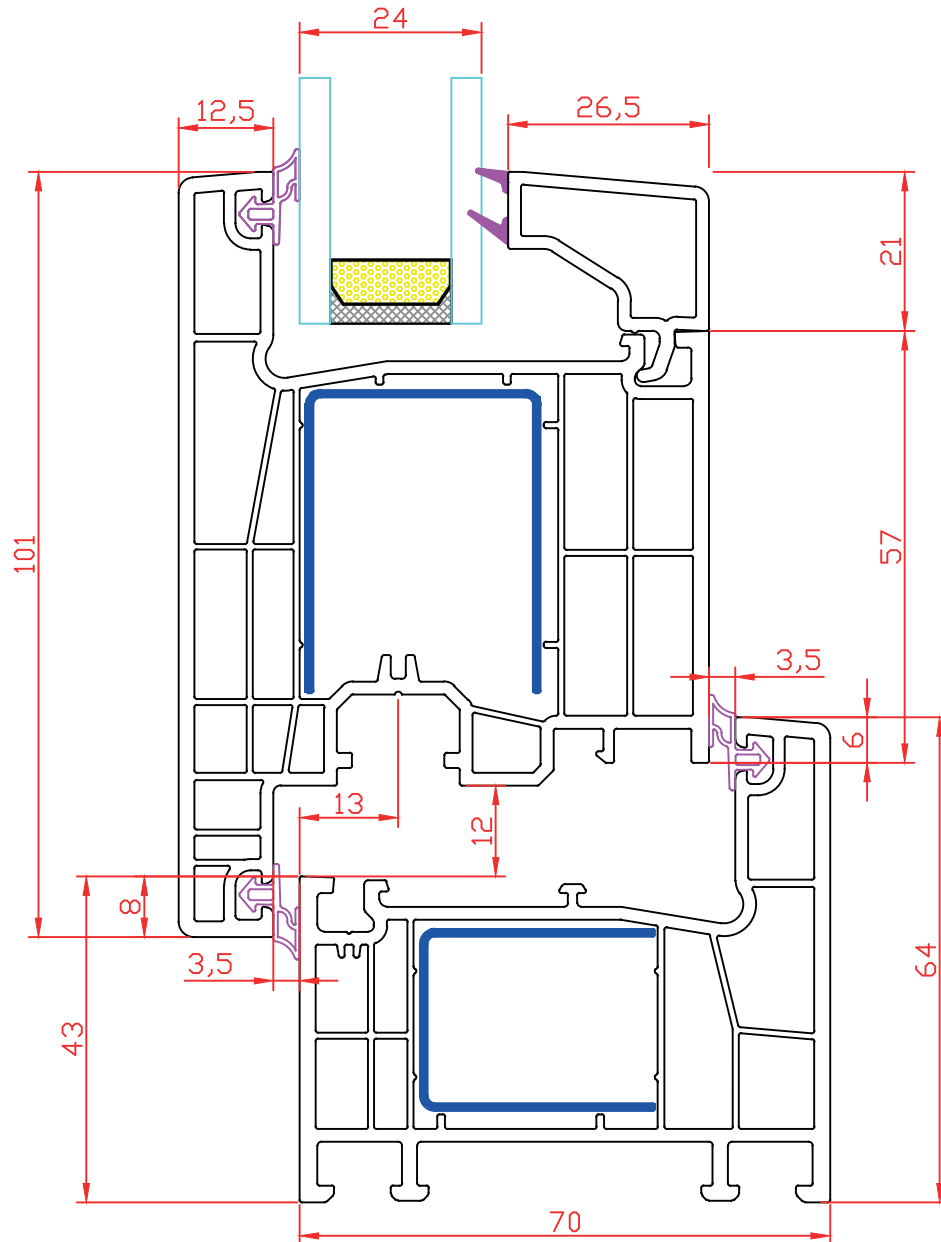
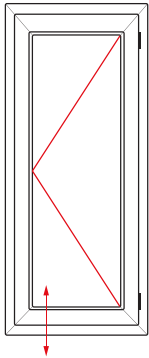






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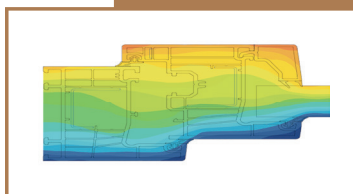


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$U_f : 1,20 \text{ W/m}^2\text{-K}$

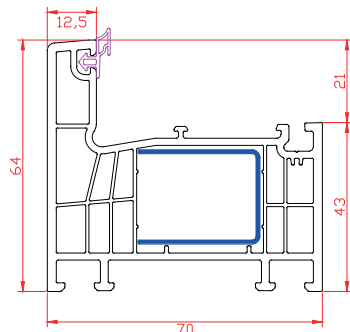
$U_w : 1,20 \text{ W/m}^2\text{-K}$

NOVA70

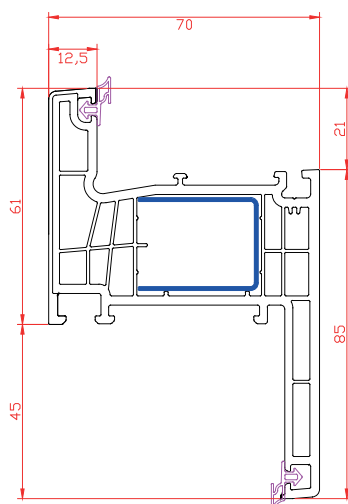


Technical Specifications

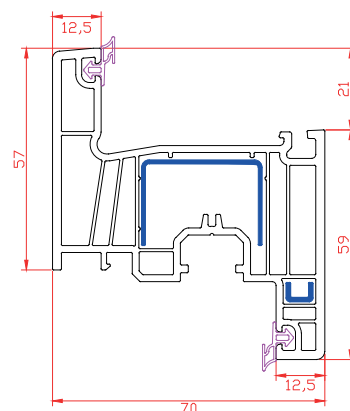
Profile Width	: 70 mm
Number of Chambers	: 6 Chambers
Number of Gaskets	: 2 Gaskets
Gasket Material	: TPE Gray / Black
Glazing Bead	: Single Leg with PCE Gasket
Glass Thicknesses	: Single Glass, 24/30/36/44 mm



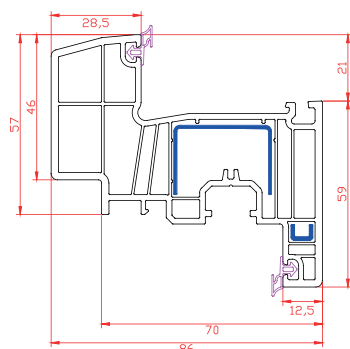
•12701
Frame Profile



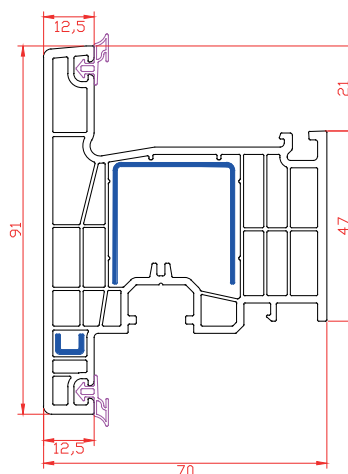
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Casing Frame Profile



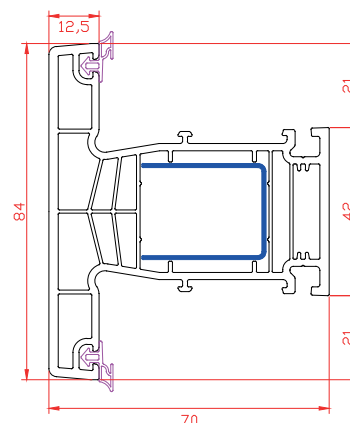
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Sash Profile



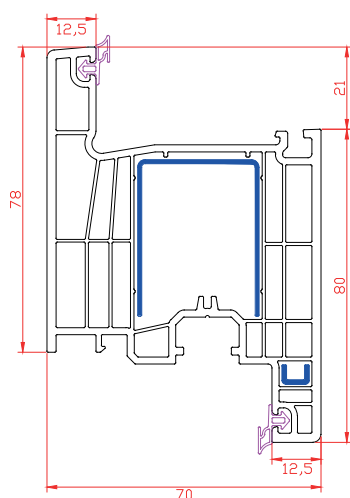
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Drained Sash Profile



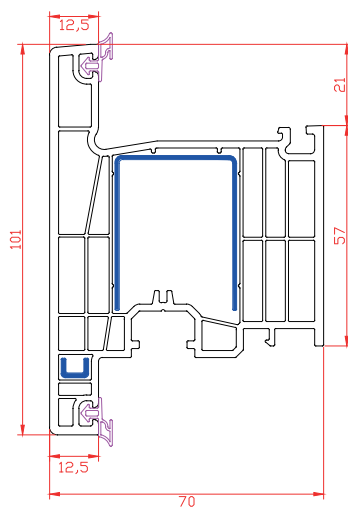
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Exterior Sash Profile



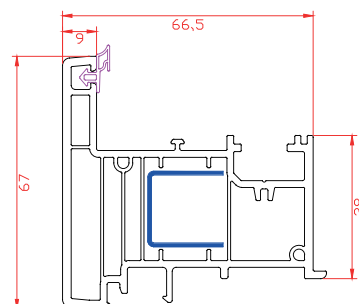
•12703
Mullion Profile



•12706
Door Sash Profile



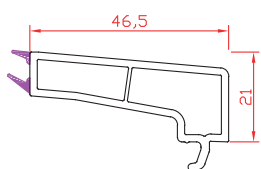
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Exterior Door Sash Profile



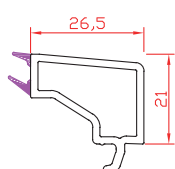
•12708
Stump Profile

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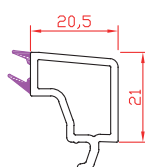
Glazing Beads



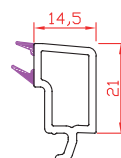
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4 mm Glazing Bead



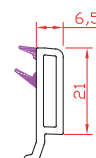
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24 mm Glazing Bead



•19730
30 mm Glazing Bead

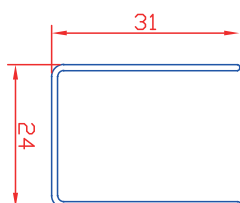


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36 mm Glazing Bead

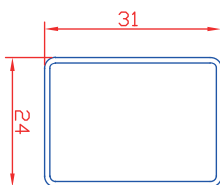


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44 mm Glazing Bead

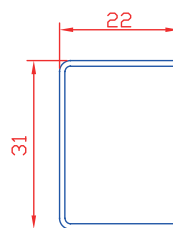
Reinforcement Steels



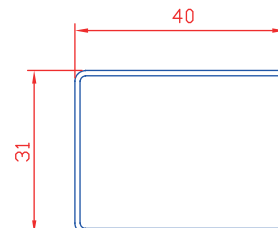
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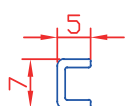
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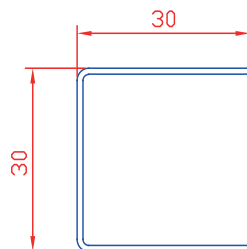
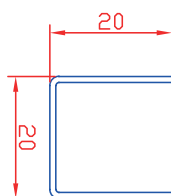
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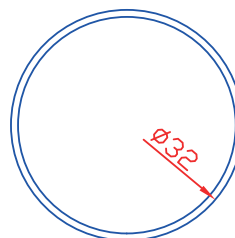
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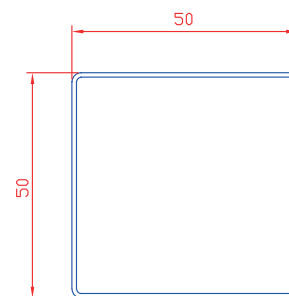
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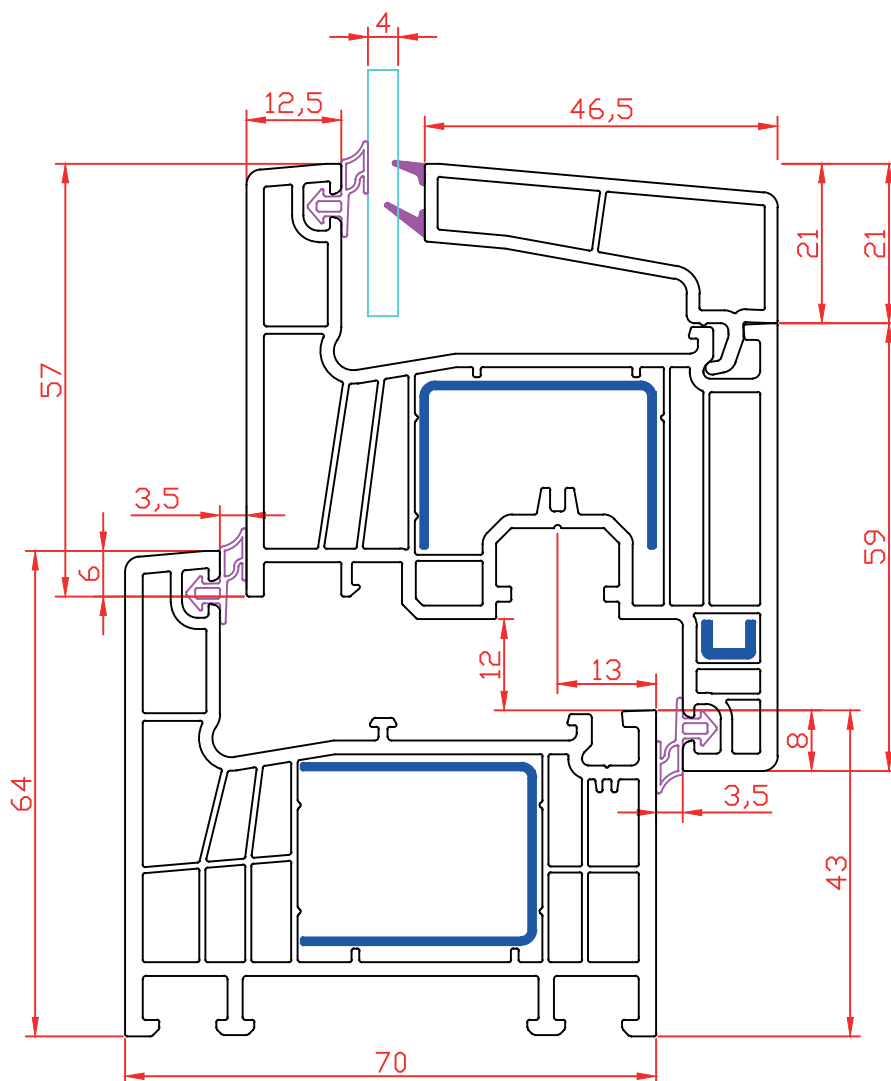
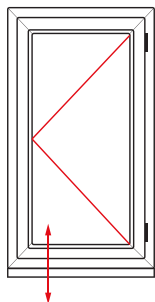
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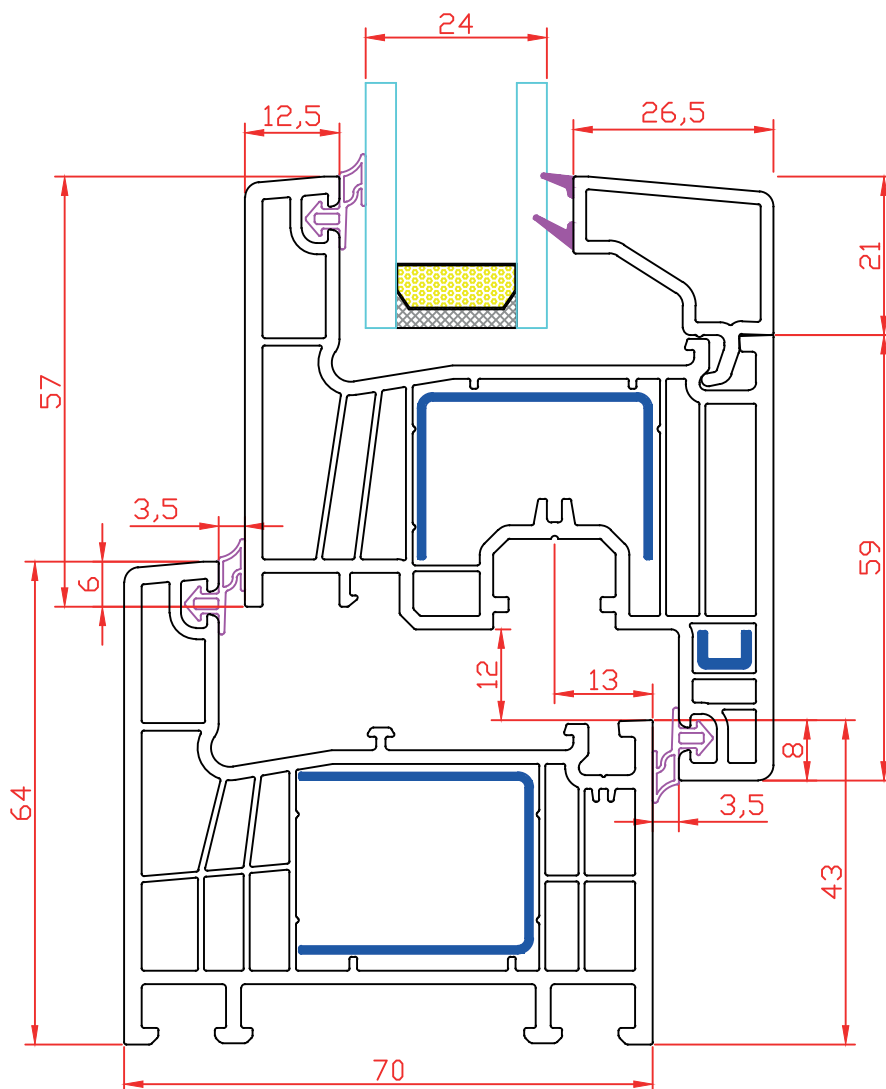
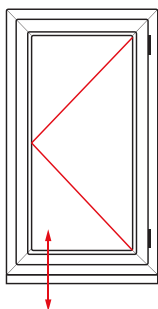


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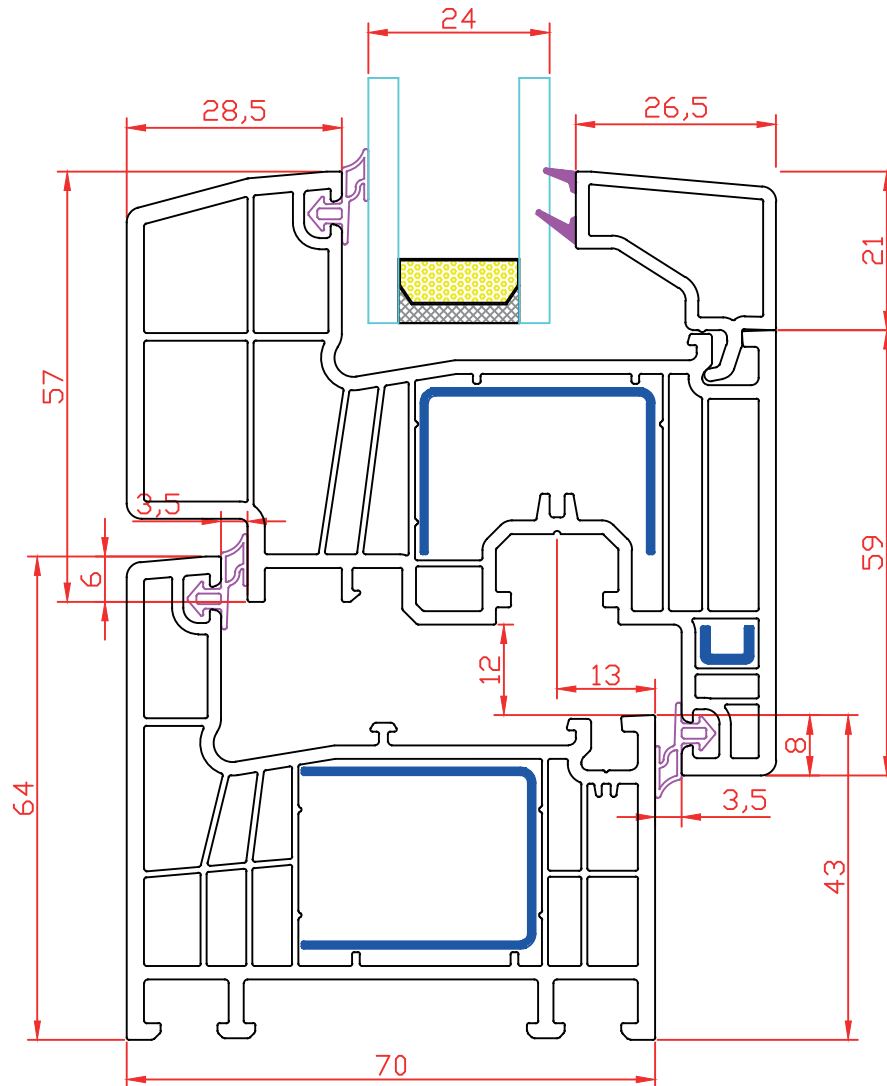
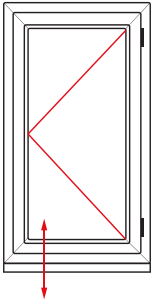


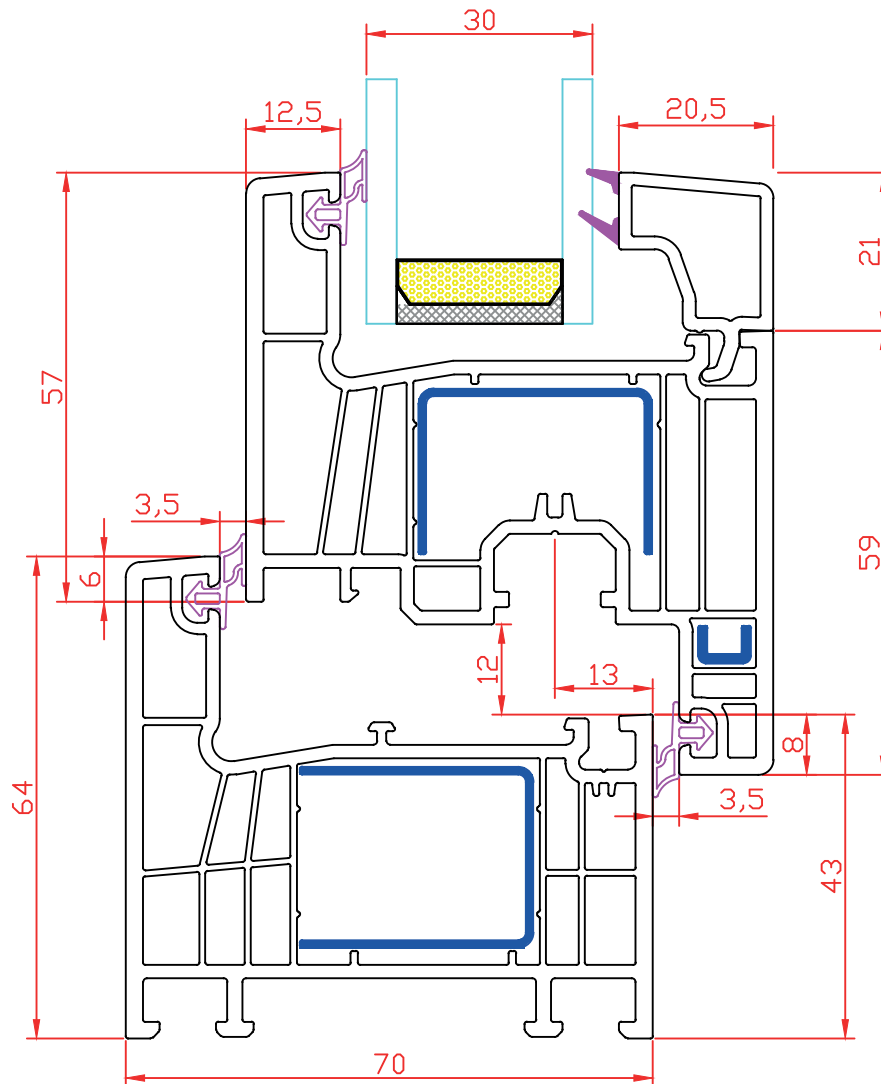
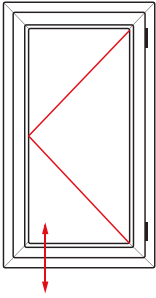
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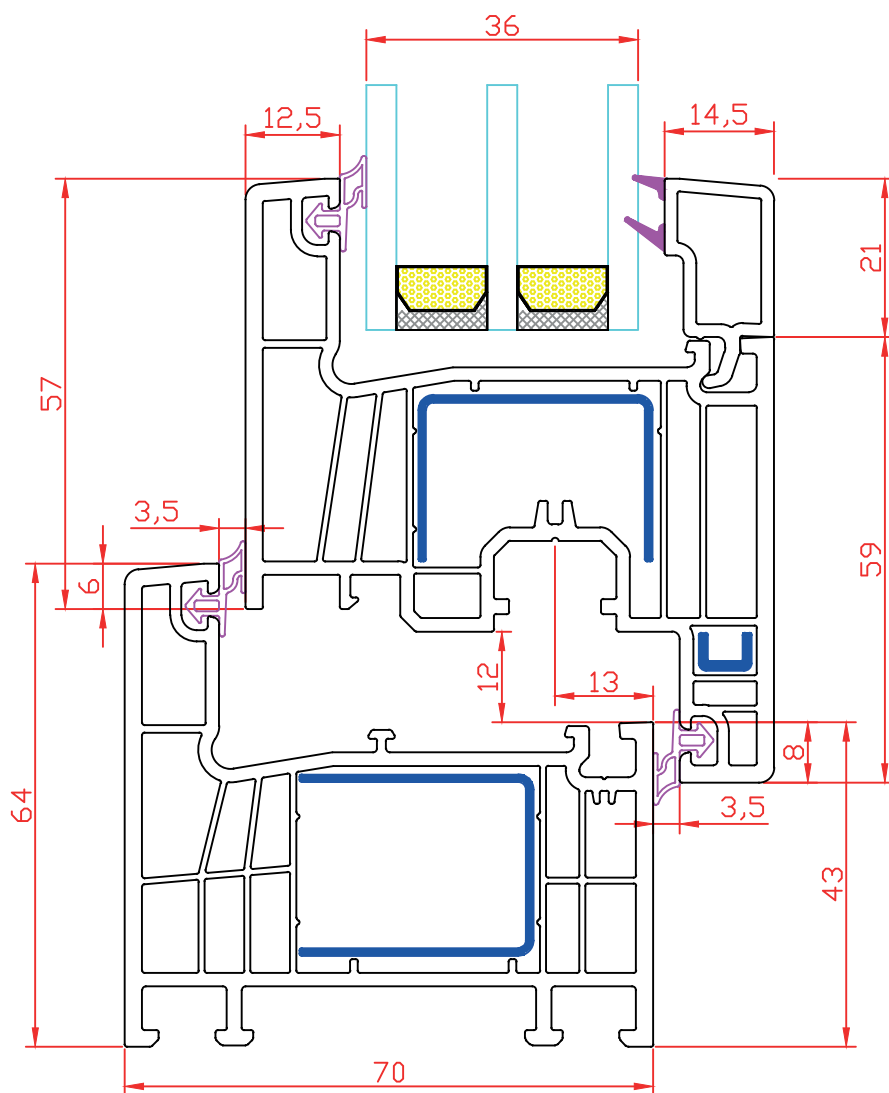
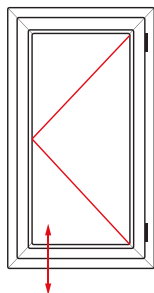


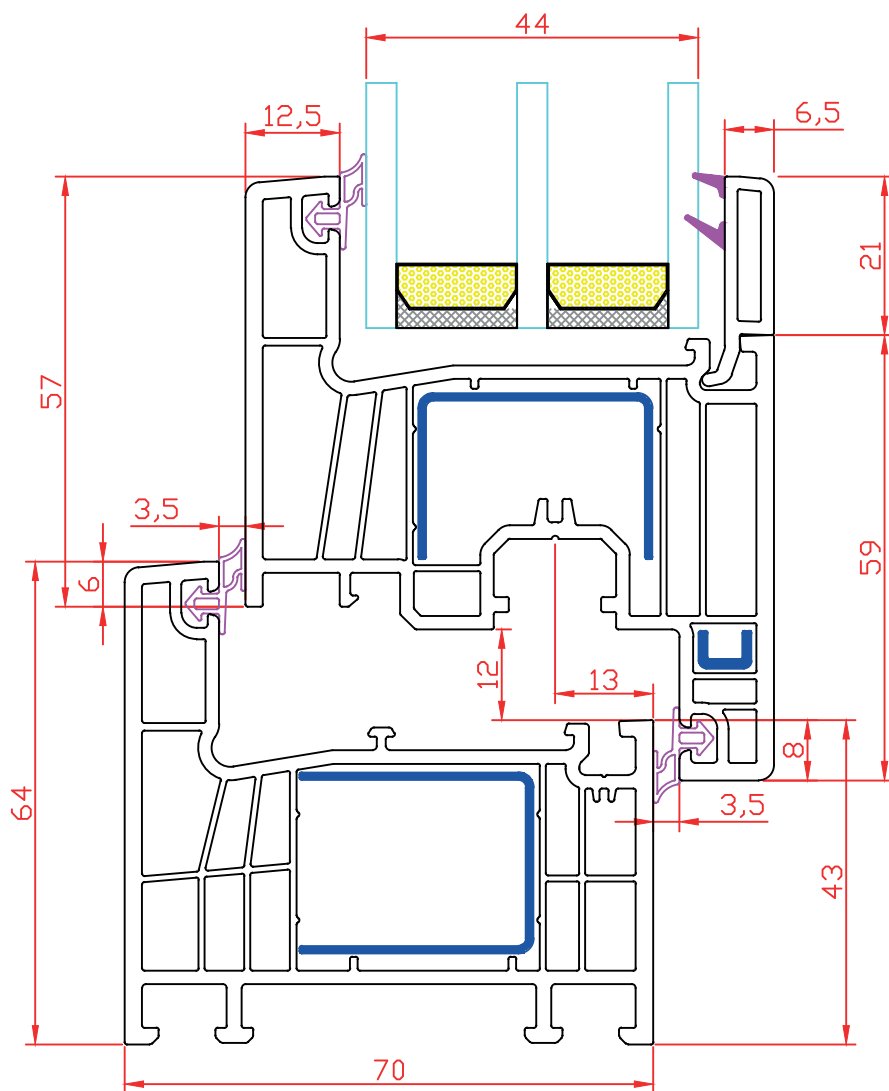
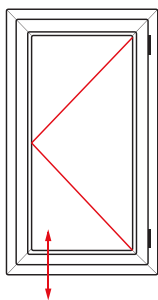
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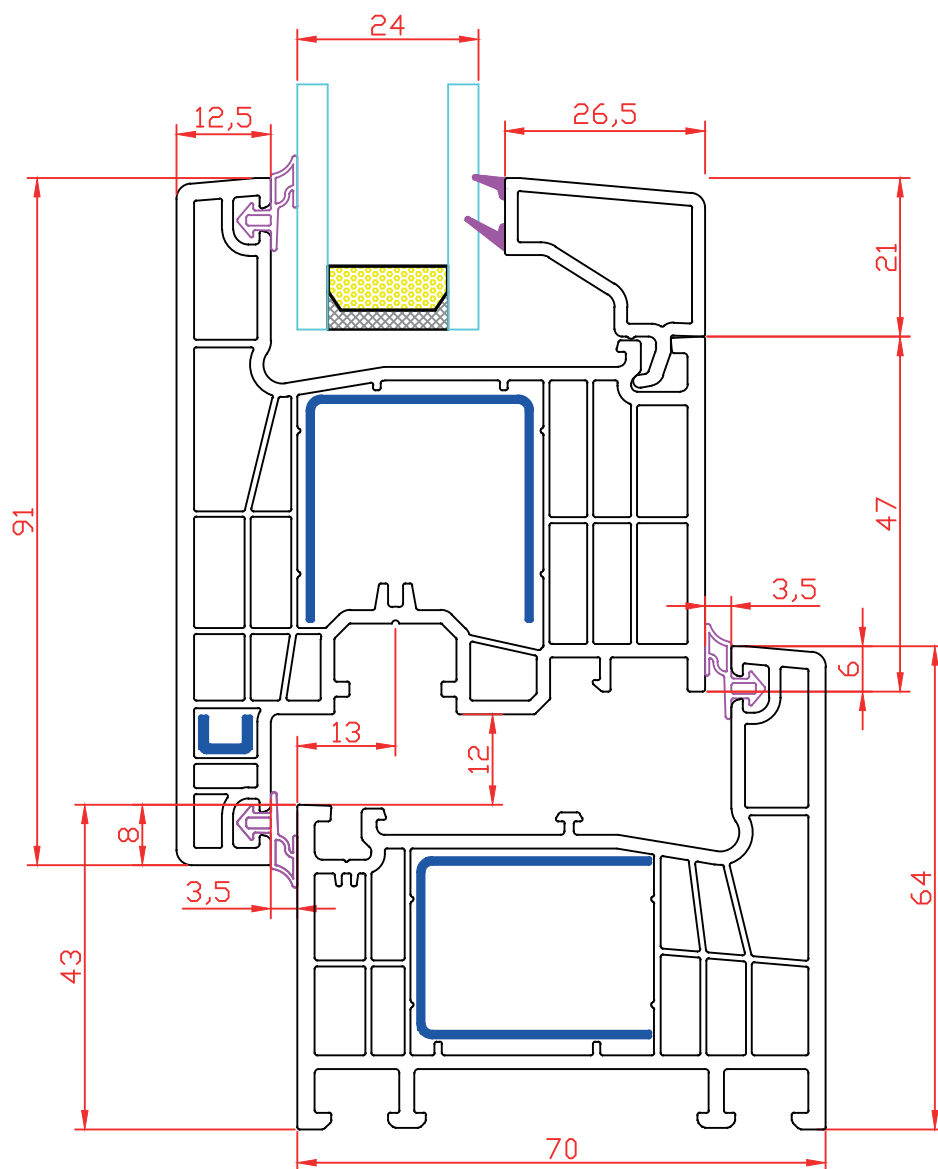
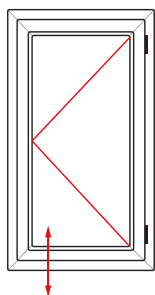


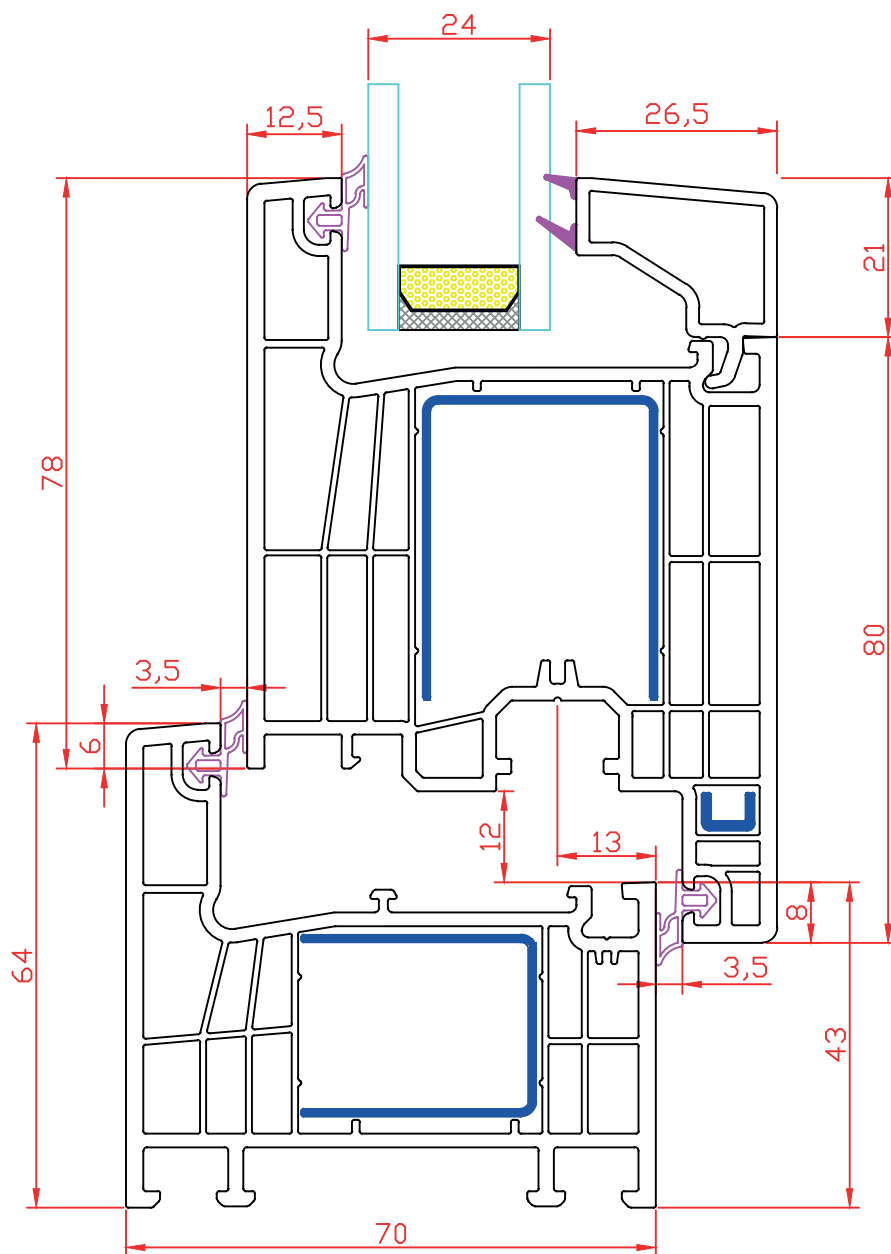
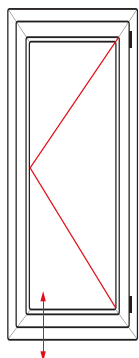
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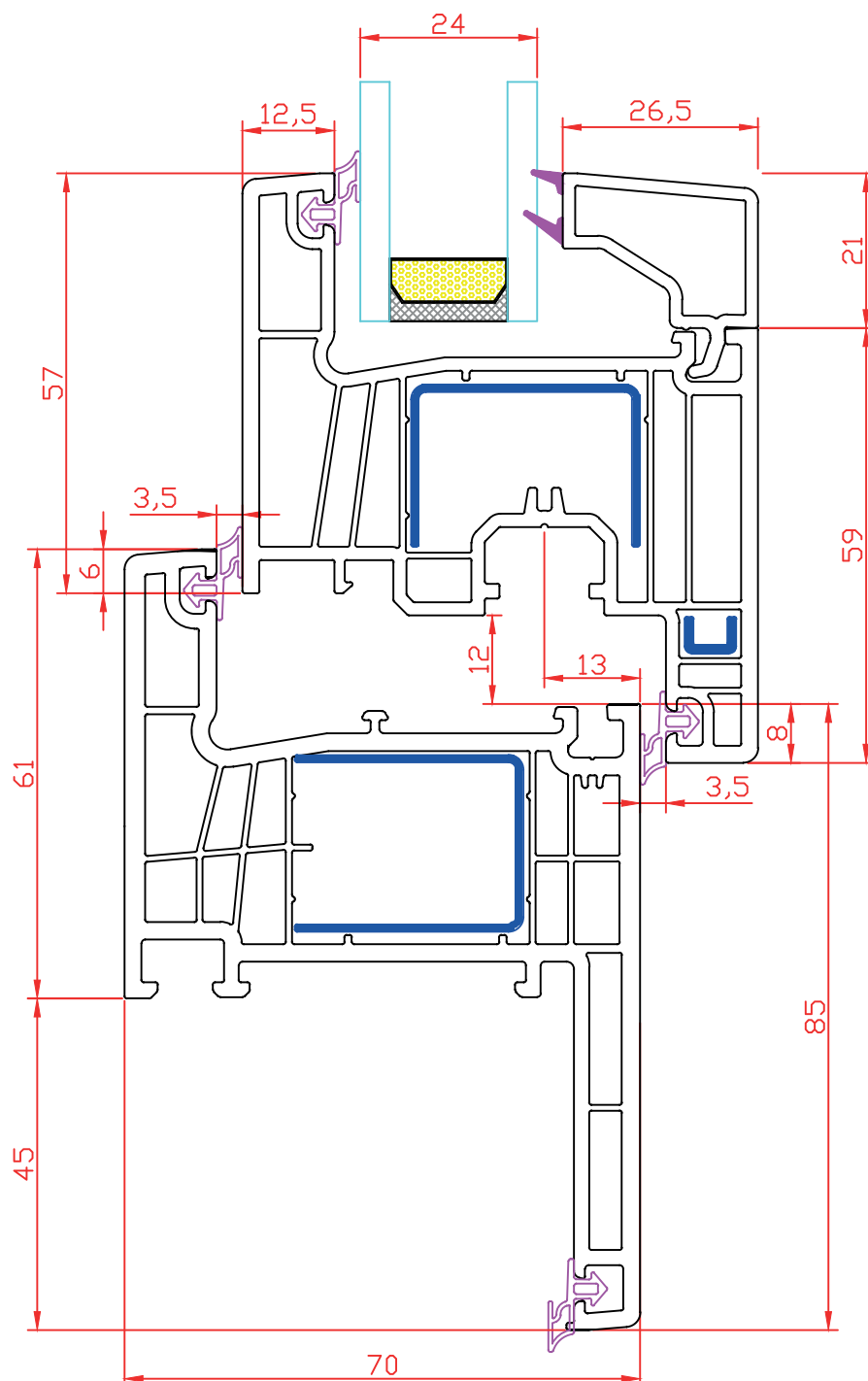
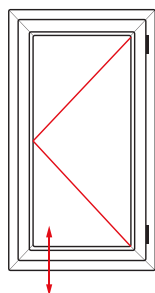


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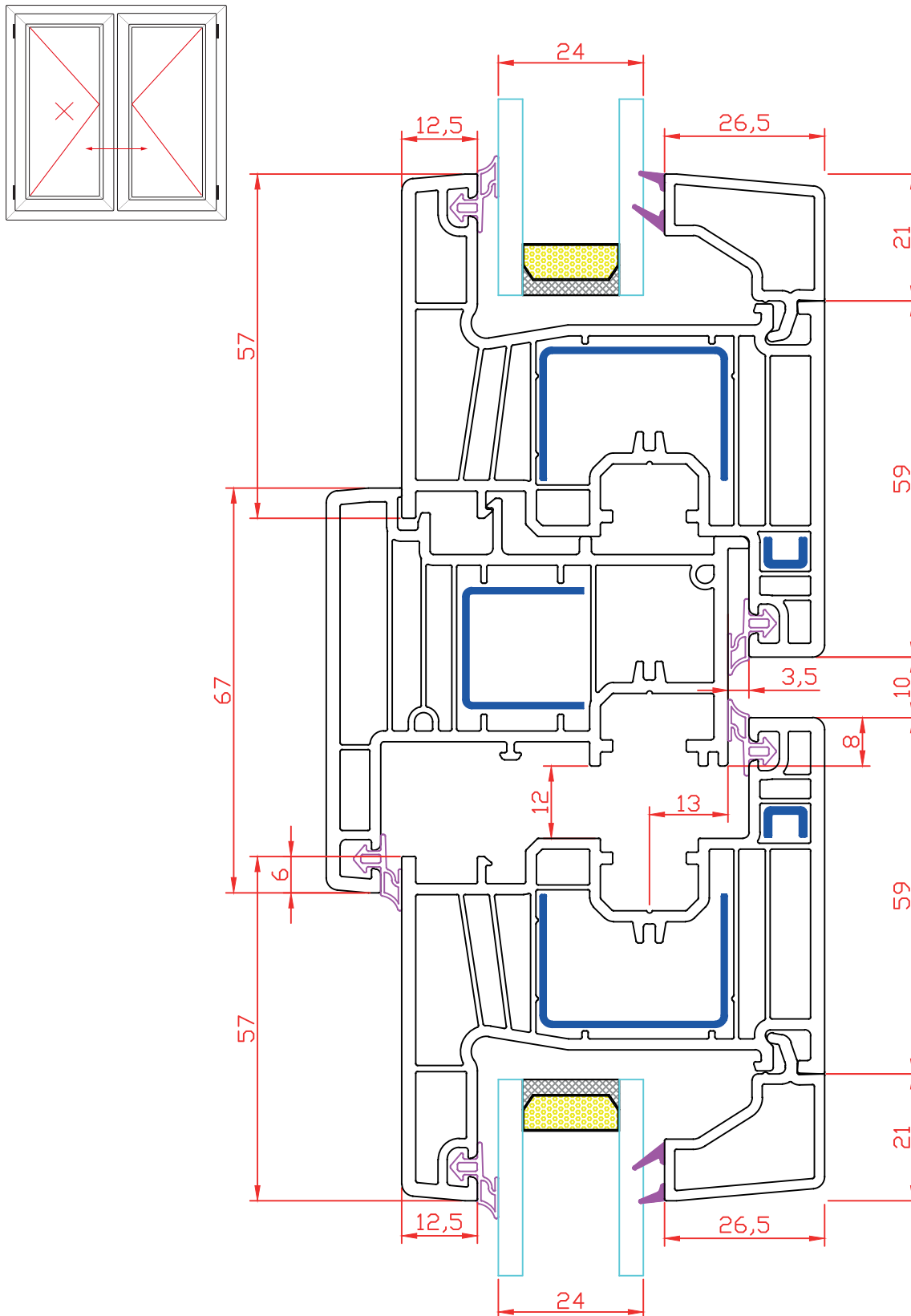




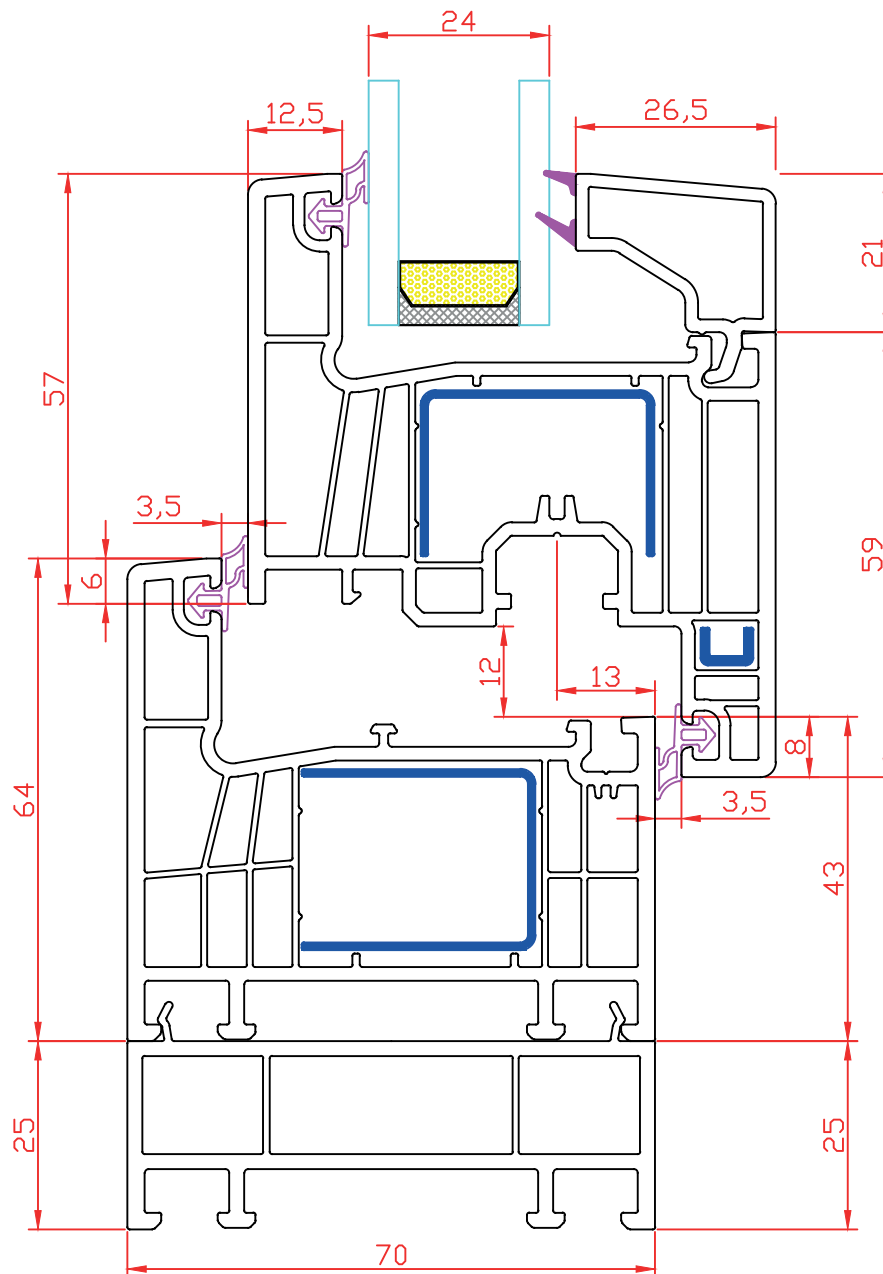
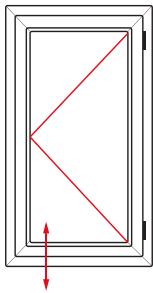
PANOVA A. Ş. reserves the right to make changes in our technical documents.



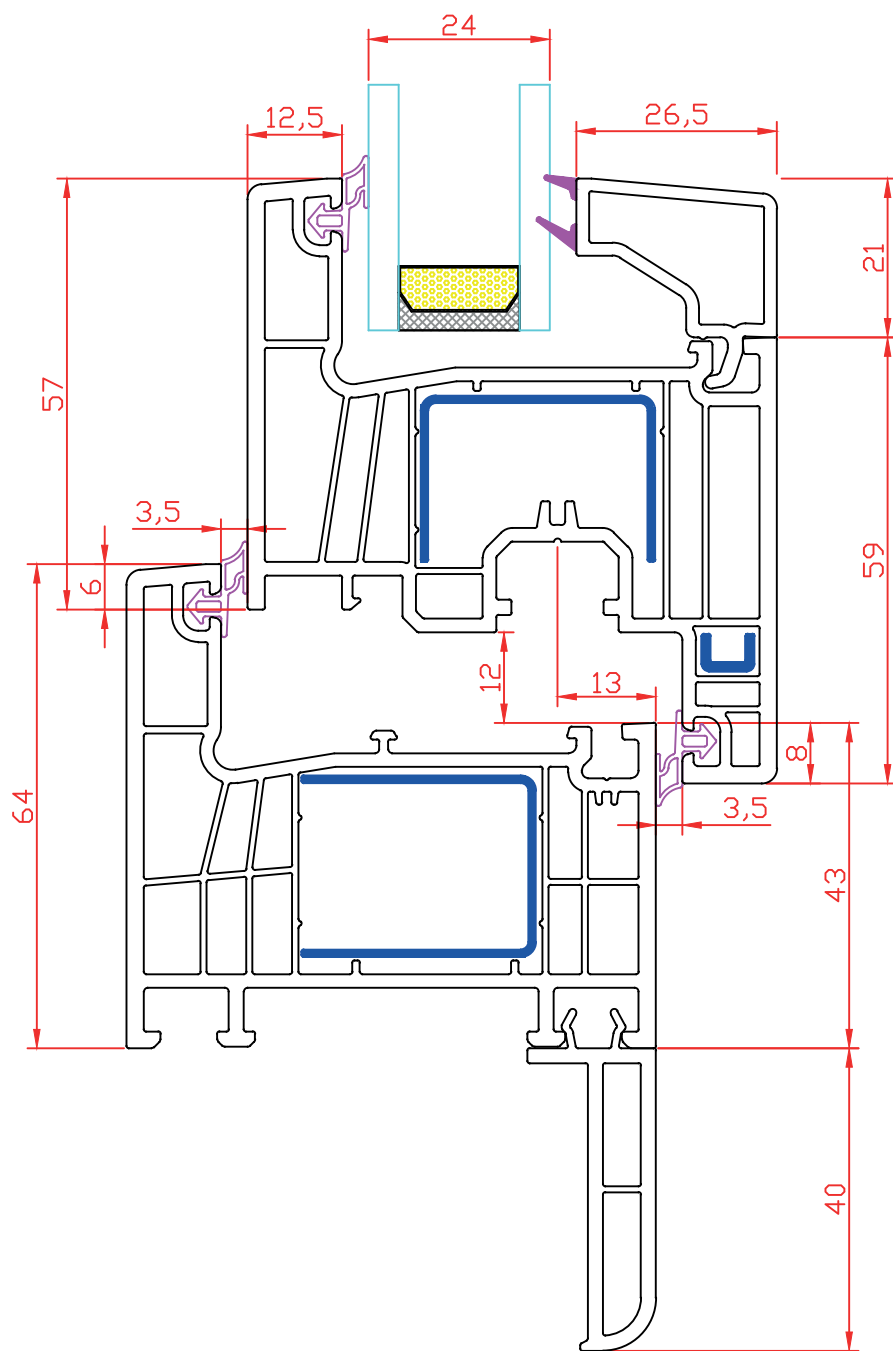
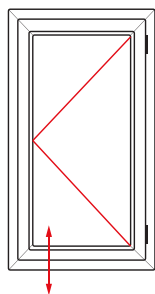
PANOVA A. Ş. reserves the right to make changes in our technical documents.



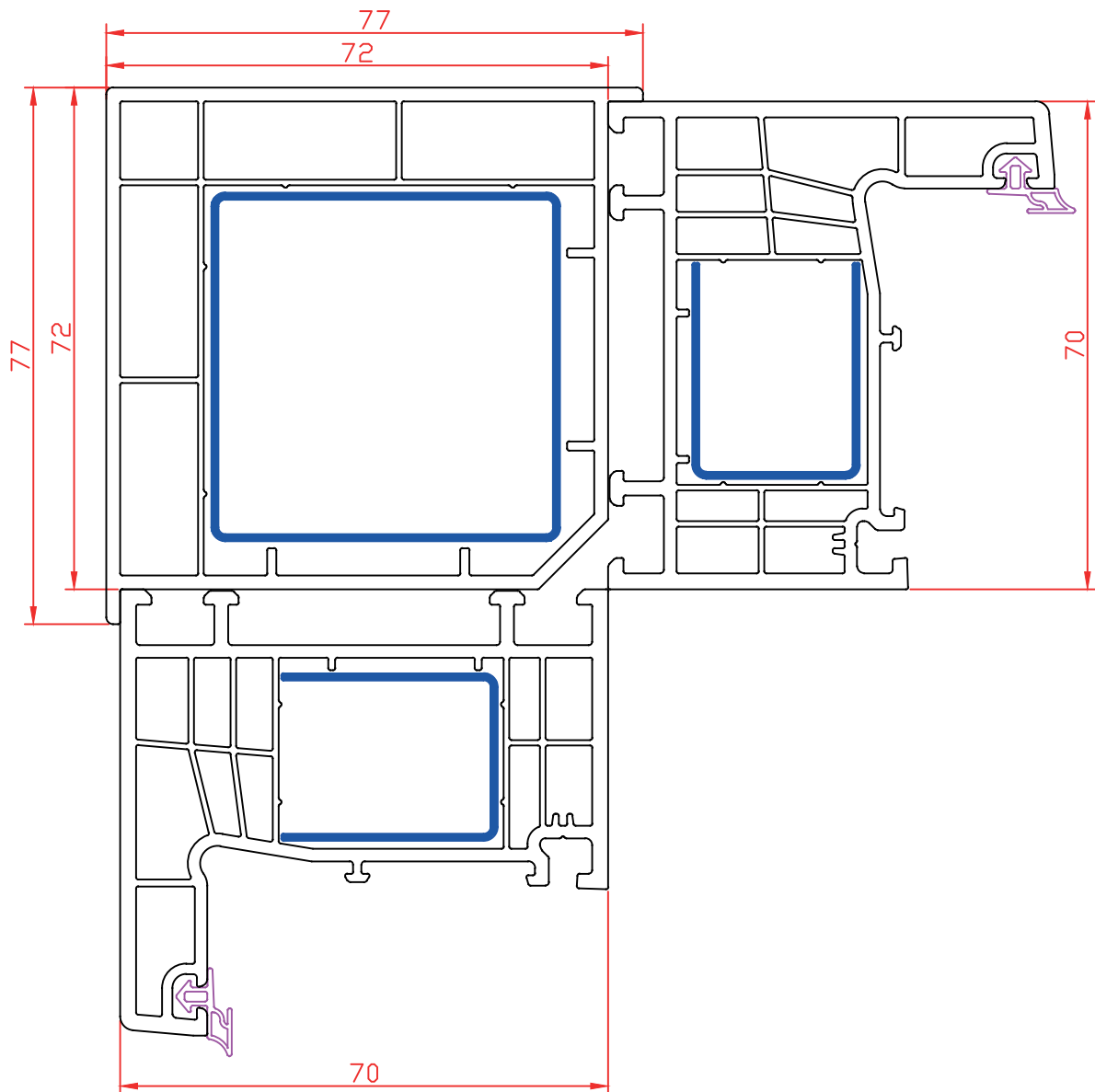
PANOVA A. Ş. reserves the right to make changes in our technical documents.

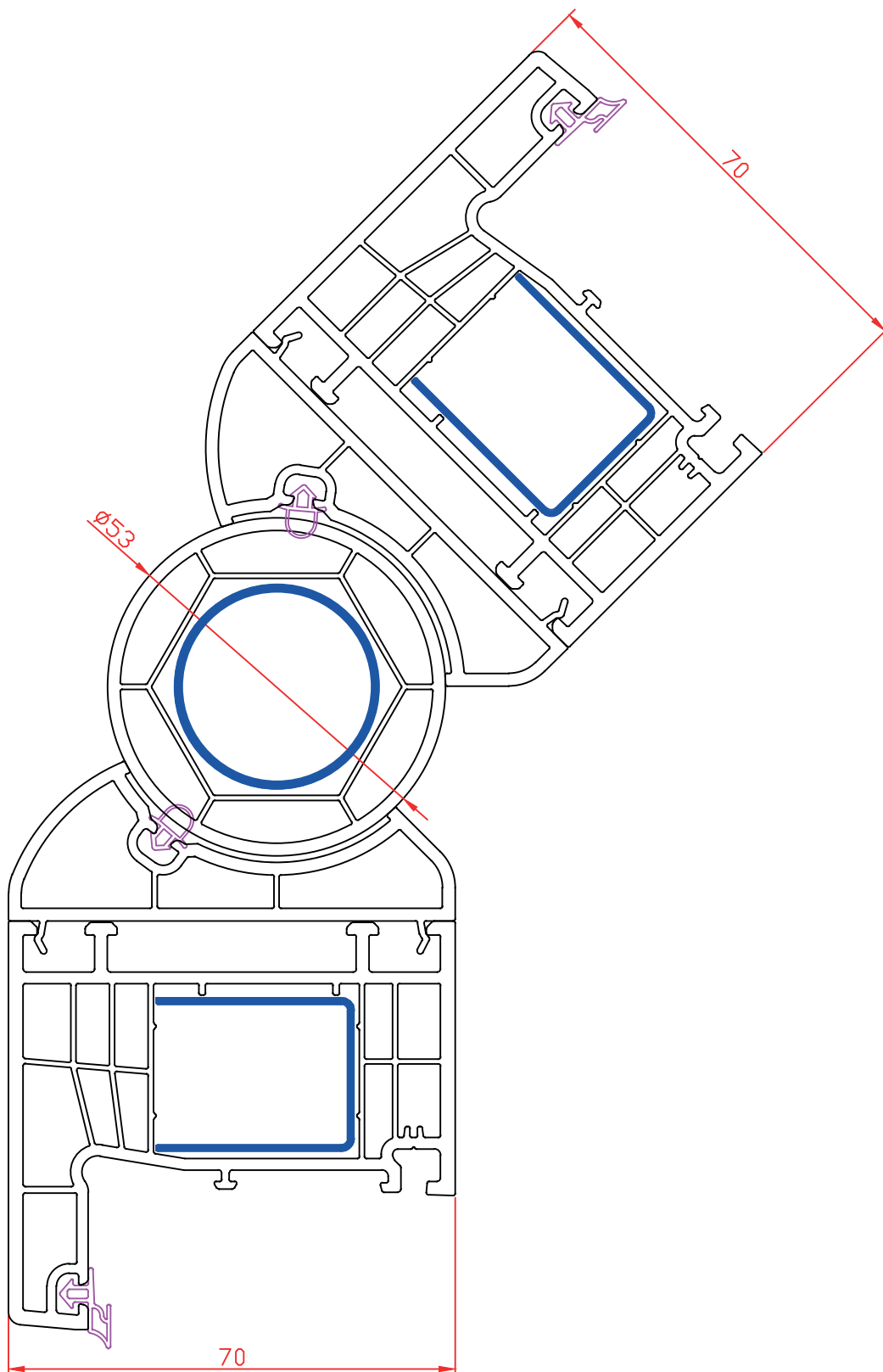


PANOVA A. Ş. reserves the right to make changes in our technical documents.

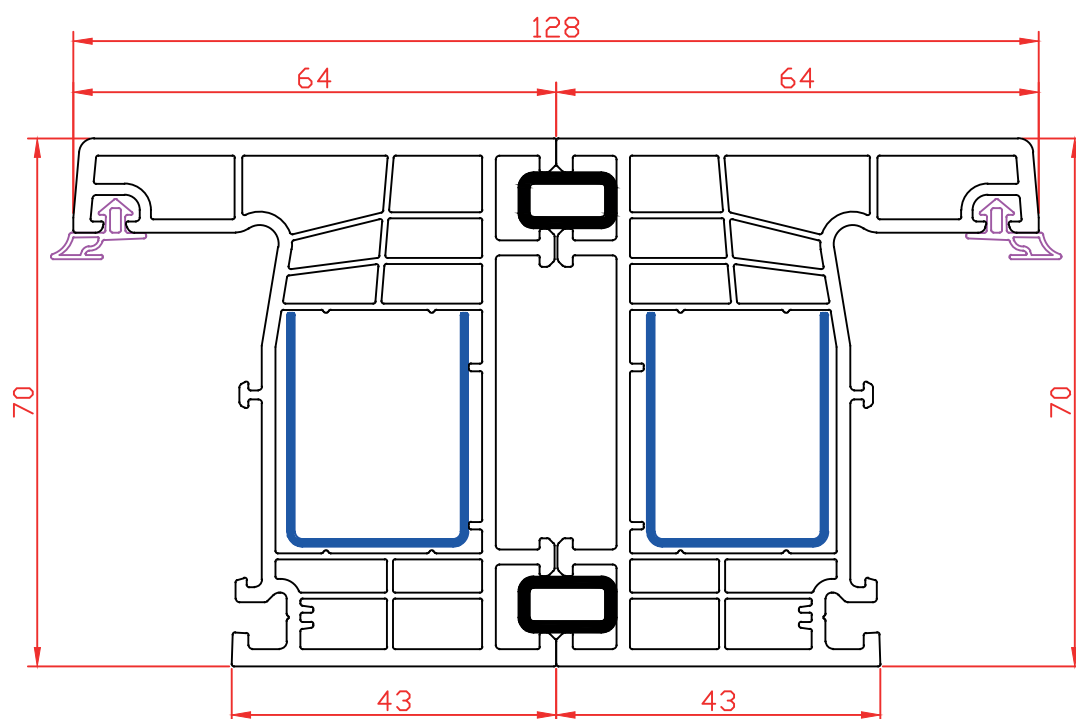
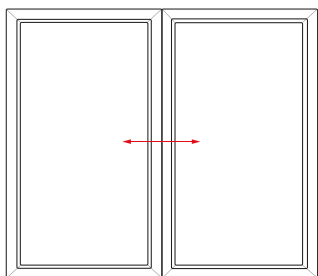


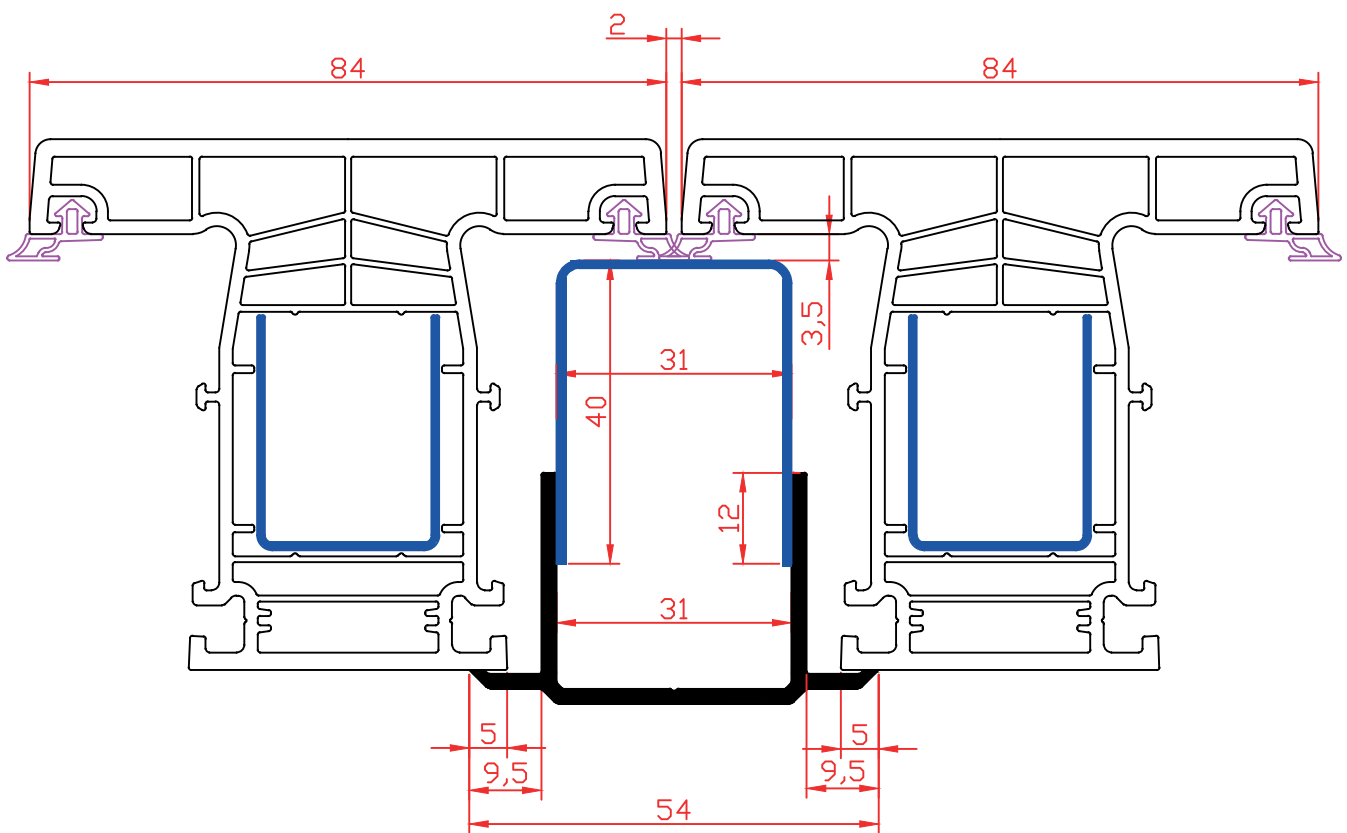
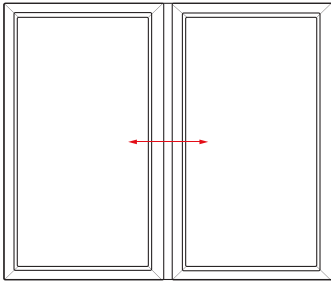
PANOVA A. Ş. reserves the right to make changes in our technical documents.





PANOVA A. Ş. reserves the right to make changes in our technical documents.



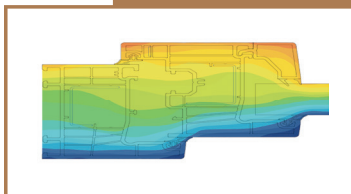


PANOVA A. Ş. reserves the right to make changes in our technical documents.

$U_f: 1,15 \text{ W/m}^2\text{-K}$

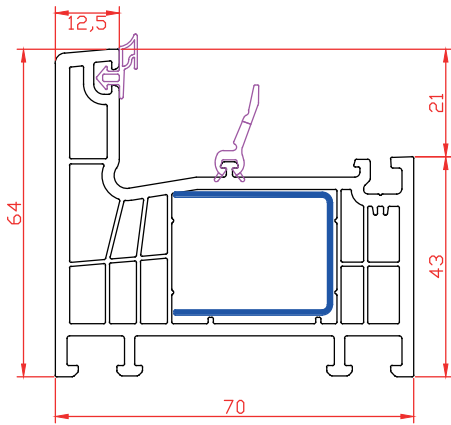
$U_w: 1,09 \text{ W/m}^2\text{-K}$

NOVA 70
PLUS

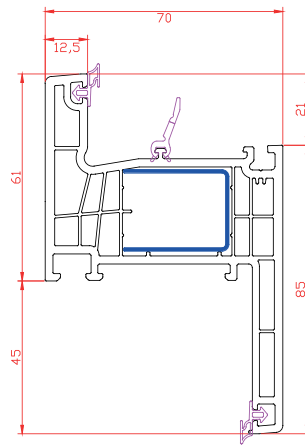


Technical Specifications

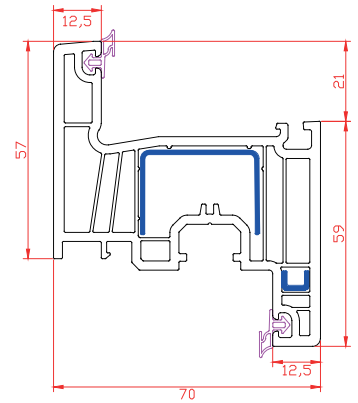
Profile Width	: 70 mm
Profile Thickness	: 3 mm
Number of Chambers	: 6 Chambers
Number of Gaskets	: 3 Gaskets
Gasket Material	: TPE Gray / Black
Glazing Bead	: Single Leg with PCE Gasket
Glass Thicknesses	: Single Glass, 24/30/36/44 mm



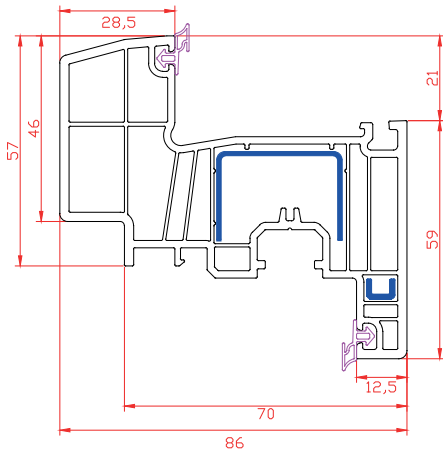
•13701
Frame Profile



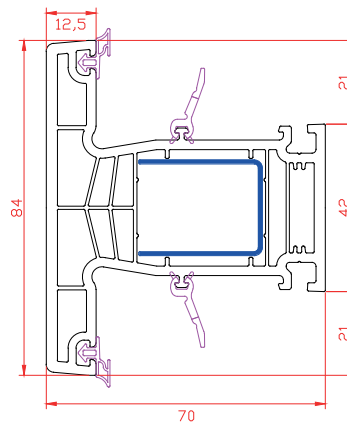
•13702
Casing Frame Profile



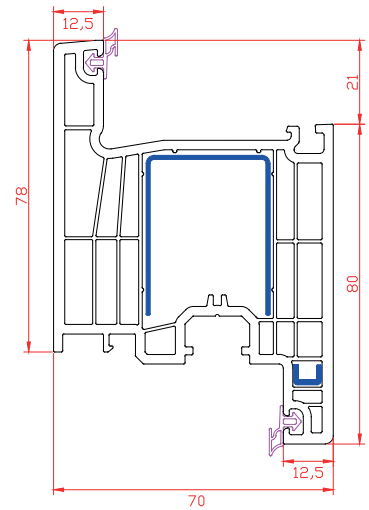
•13704
Sash Profile



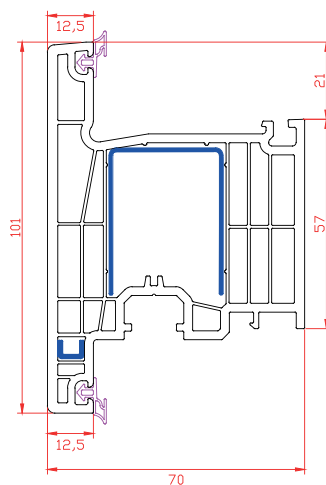
•13705
Drained Sash
Profile



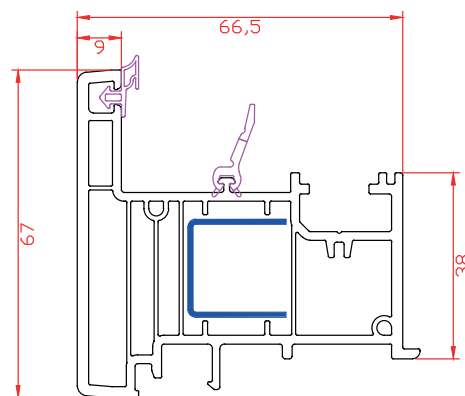
•13703
Mullion Profile



•13706
Door Sash Profile



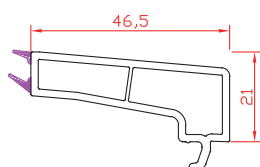
•13707
Exterior Door Sash



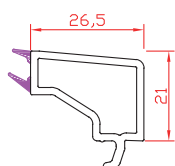
•13708
Stump Profile

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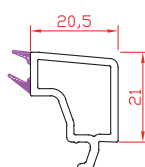
Glazing Beads



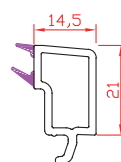
•19704
4 mm Glazing Bead



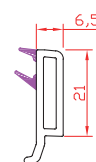
•19724
24 mm Glazing Bead



•19730
30 mm Glazing Bead

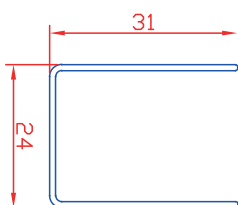


•19736
36 mm Glazing Bead

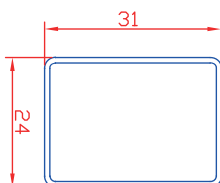


•19744
44 mm Glazing Bead

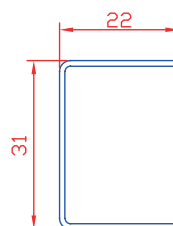
Reinforcement Steels



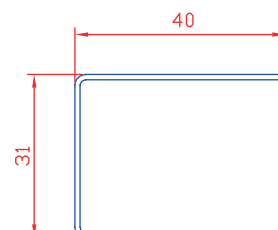
- 1.2 mm
- 1.5 mm
- 2.0 mm



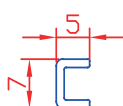
- 1.2 mm
- 1.5 mm
- 2.0 mm



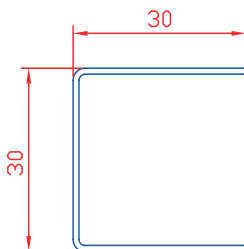
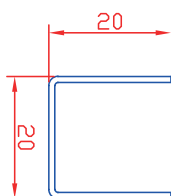
- 1.2 mm
- 1.5 mm
- 2.0 mm



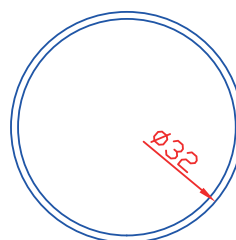
- 1.2 mm
- 1.5 mm
- 2.0 mm



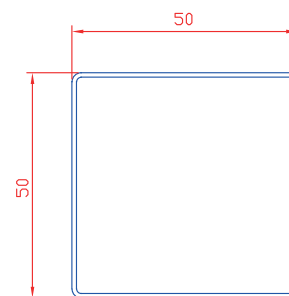
- 1.2 mm
- 1.5 mm
- 2.0 mm



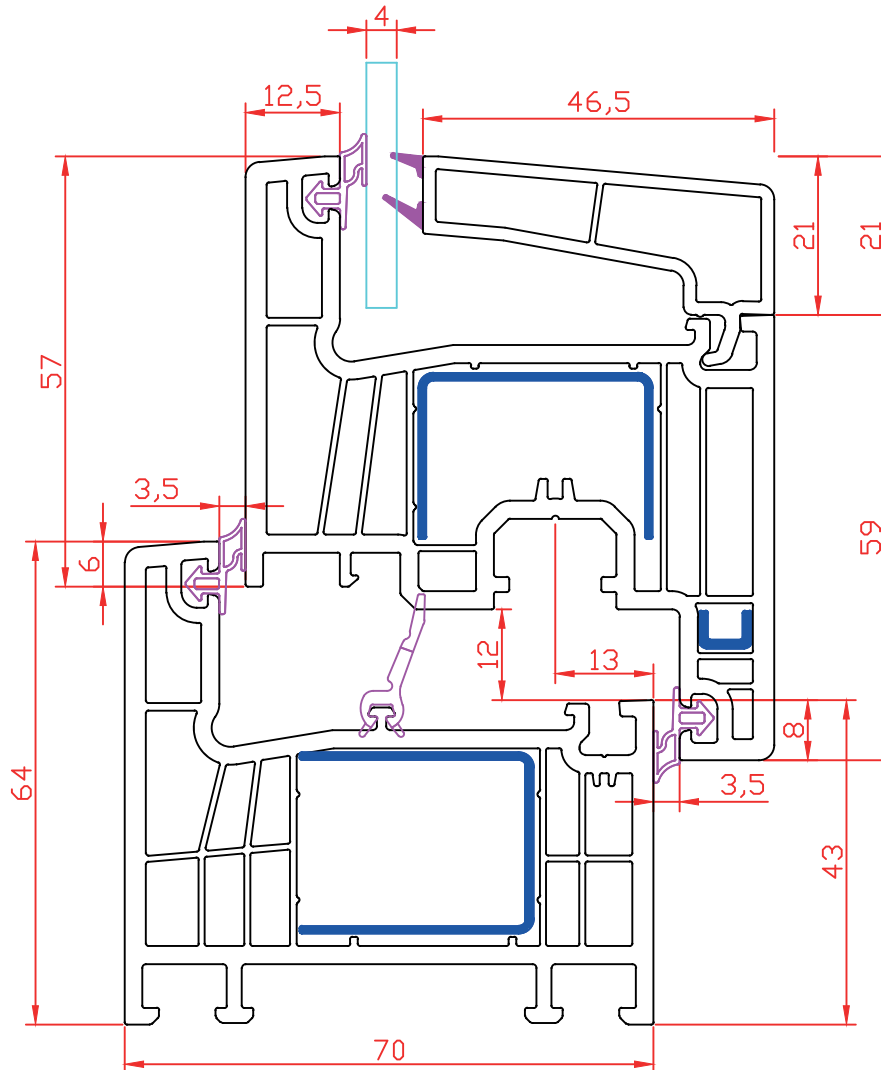
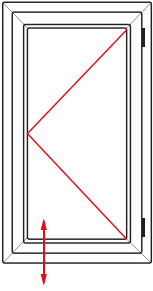
- 1.2 mm
- 1.5 mm
- 2.0 mm

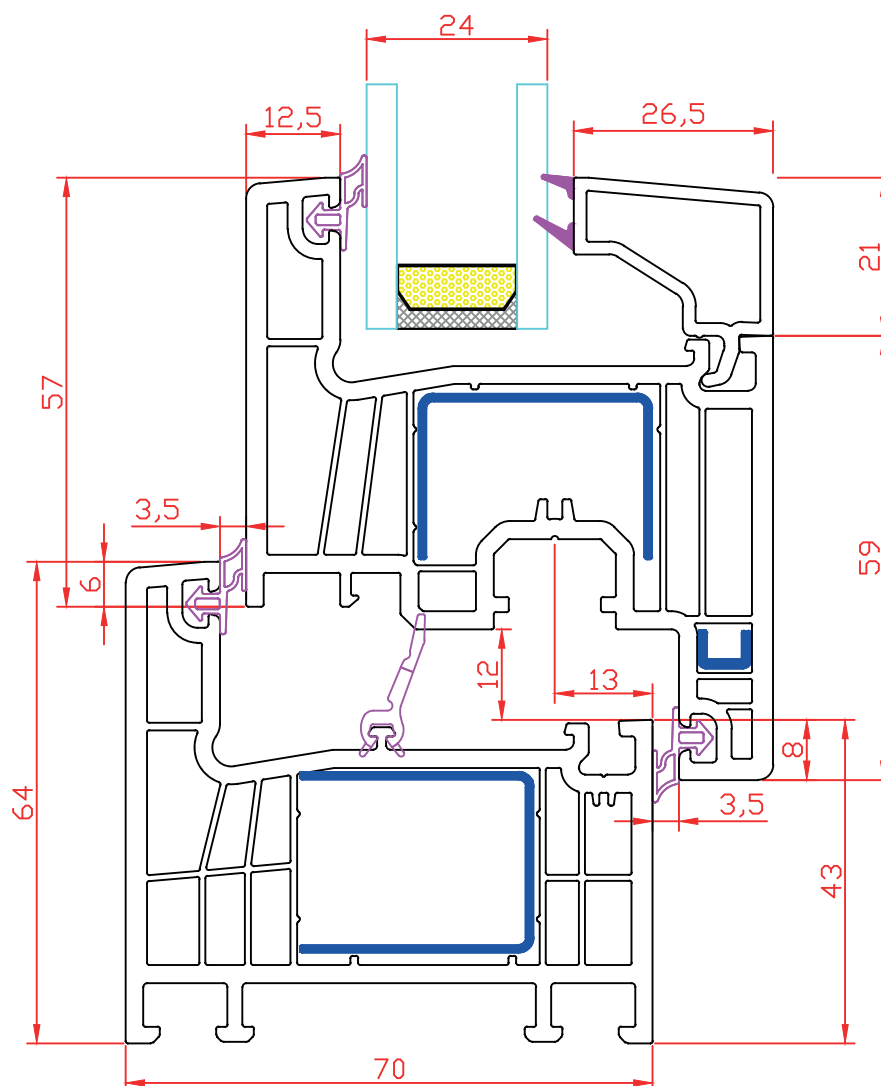
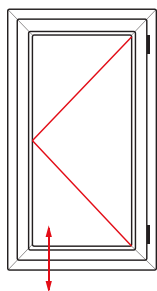


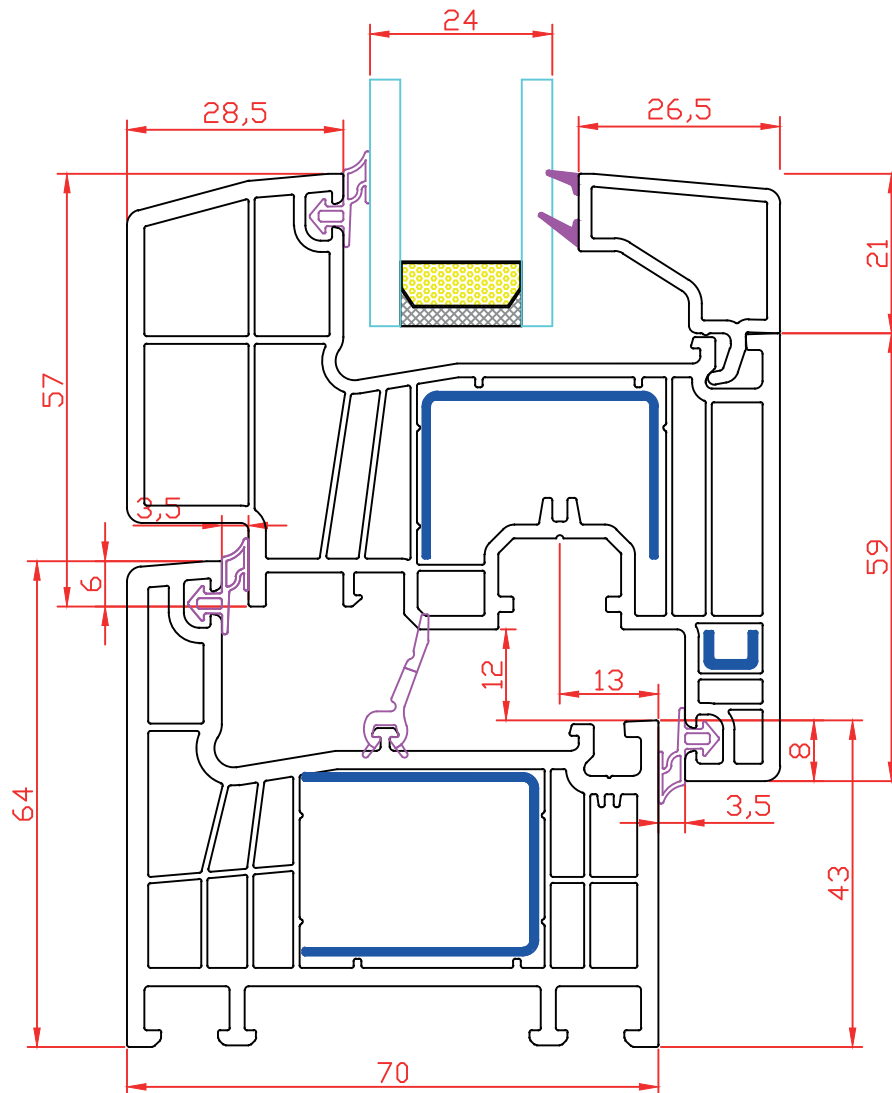
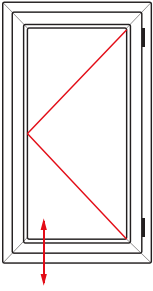
- 2.0 mm

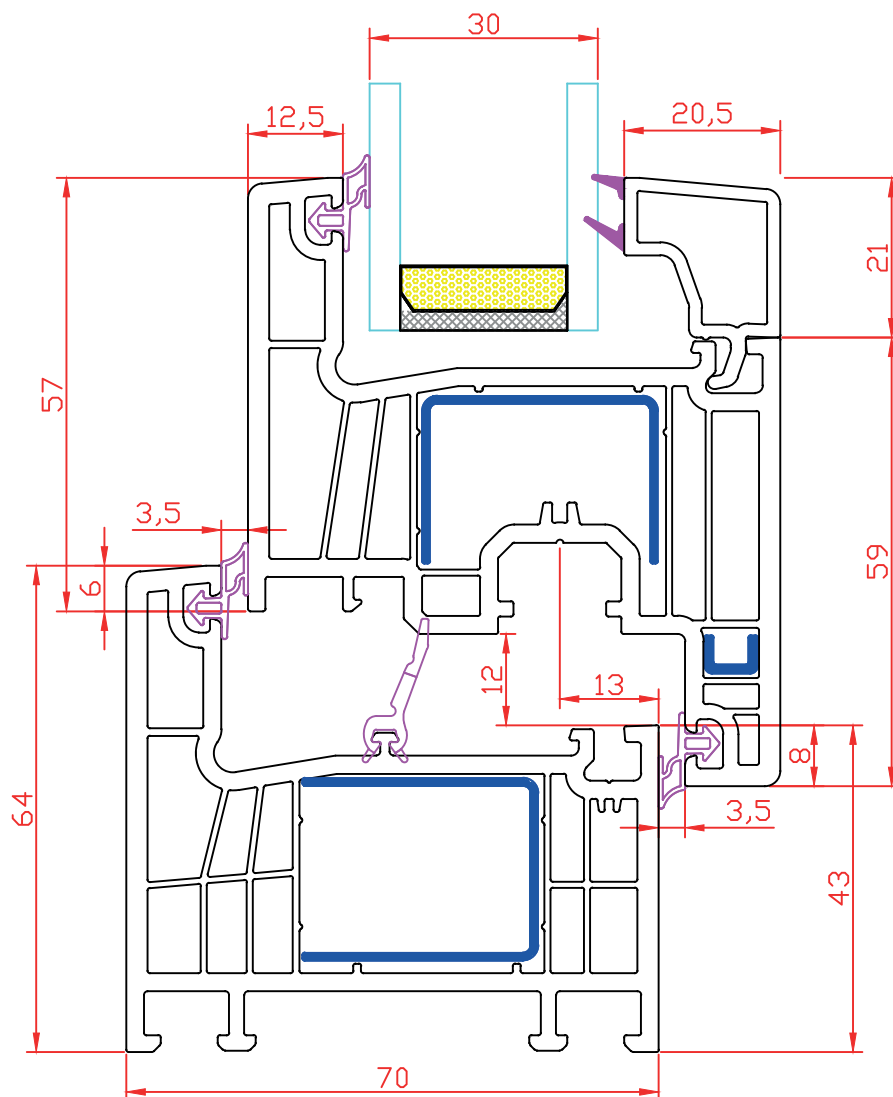
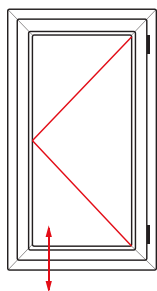


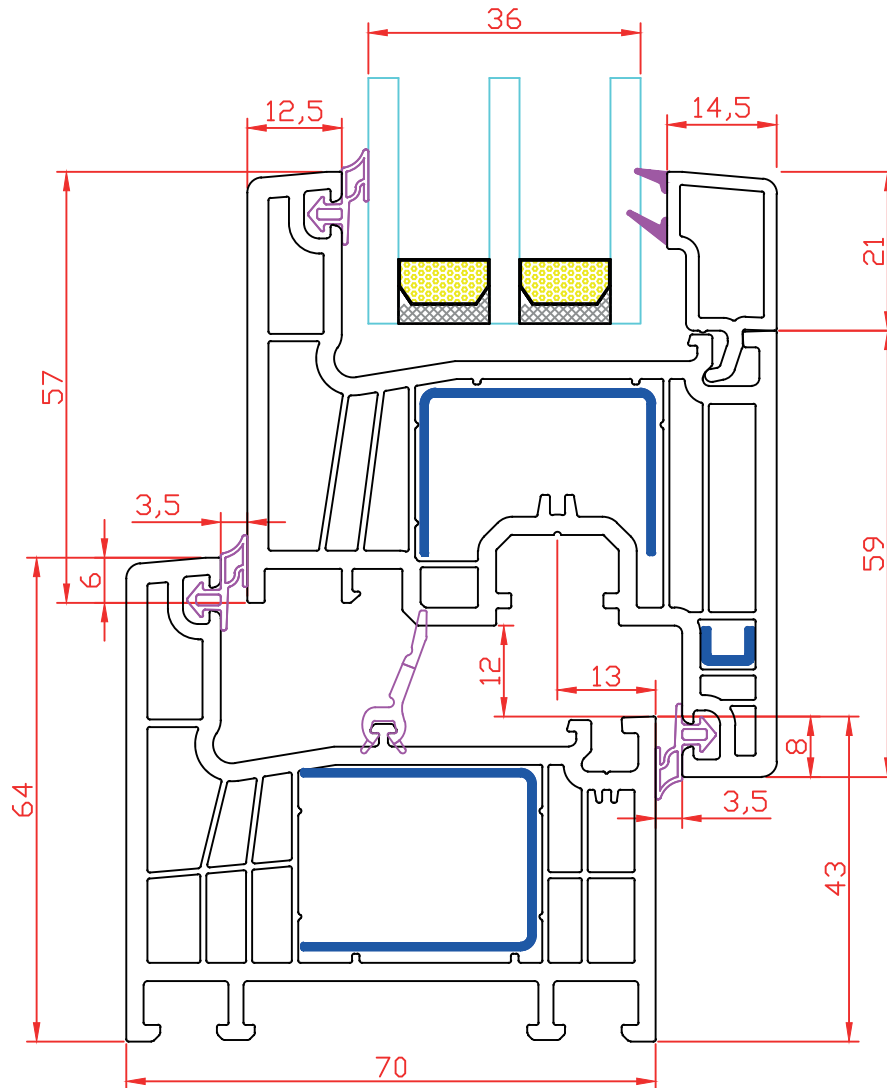
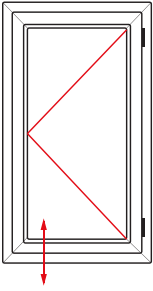
- 2.0 mm

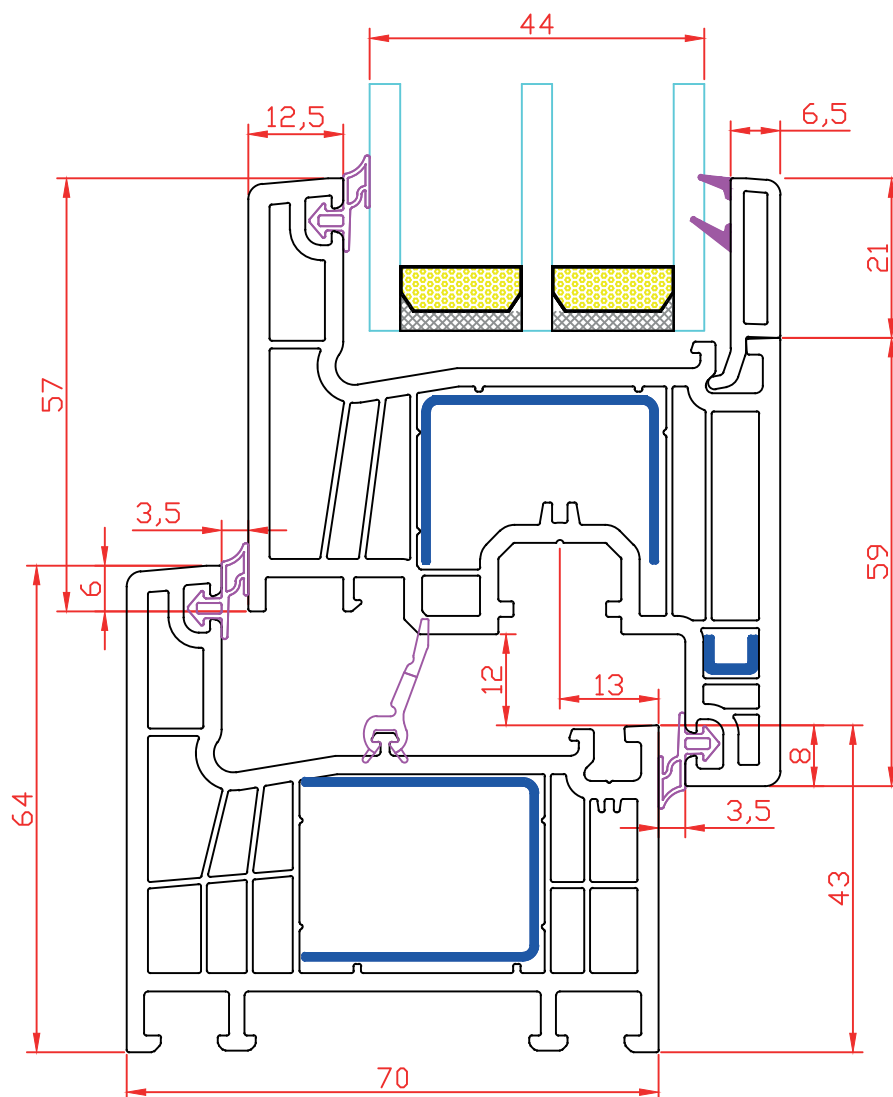
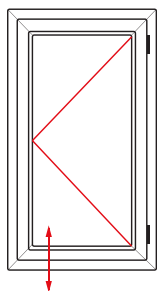


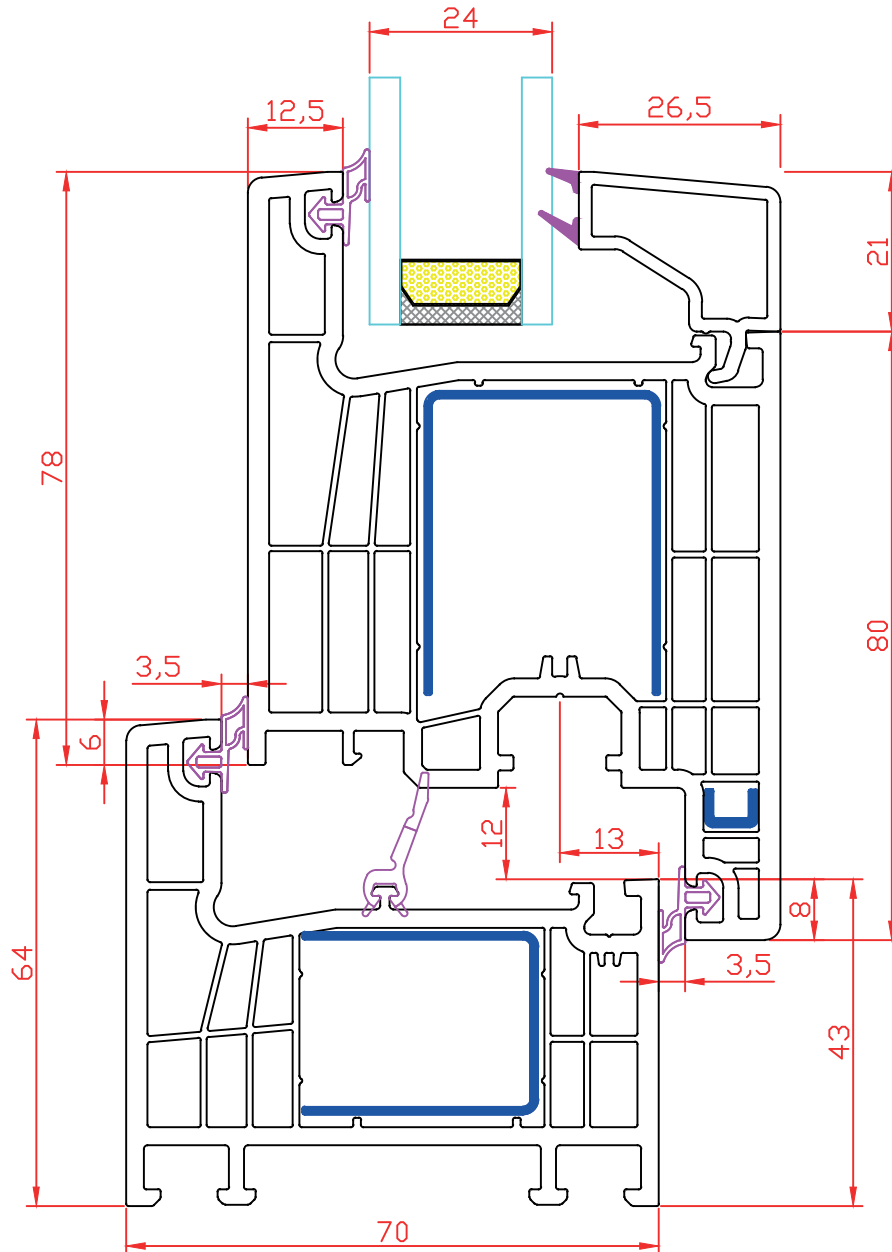
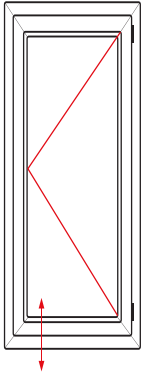


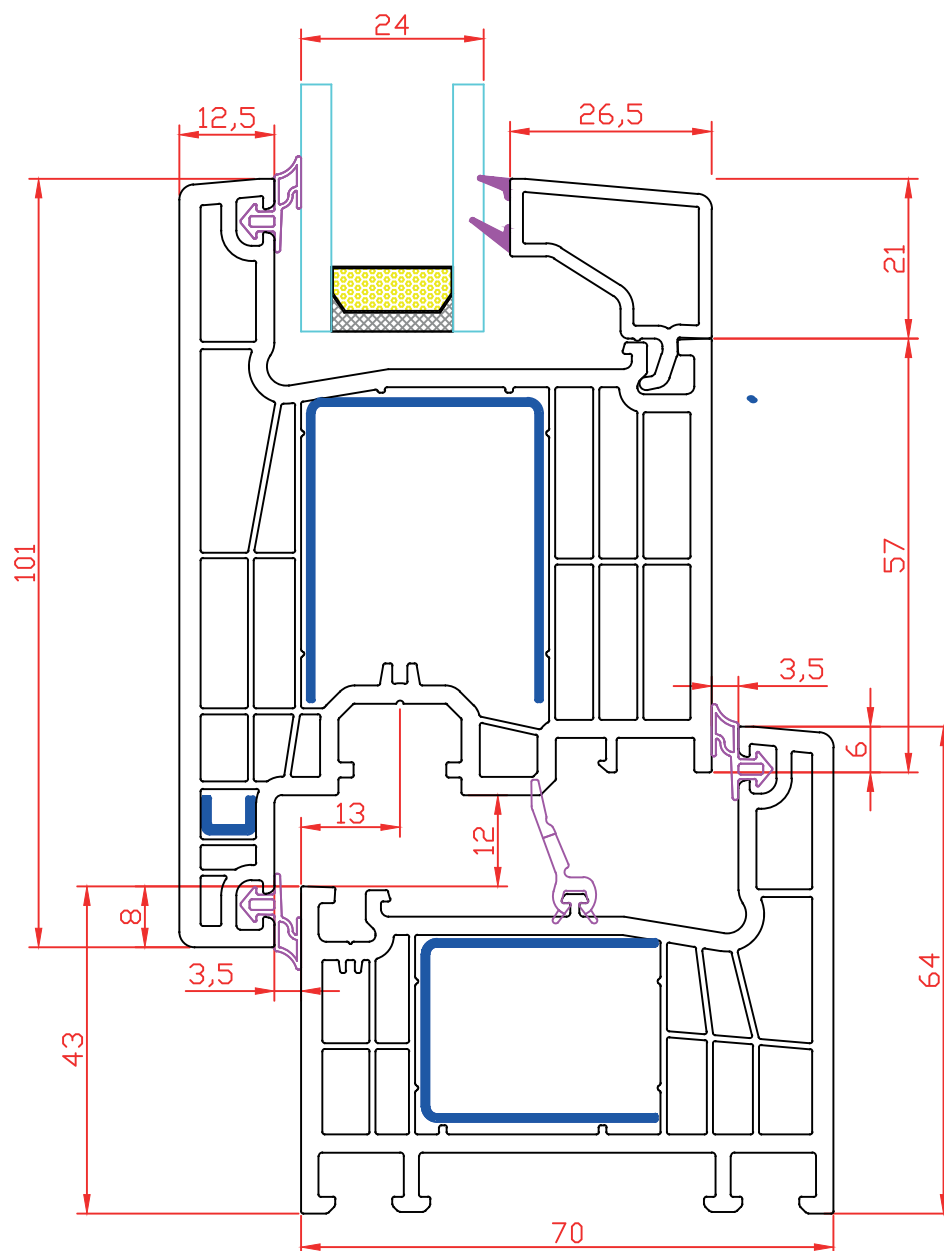
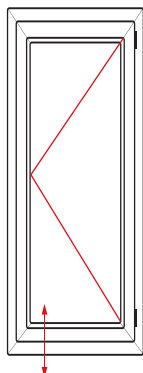




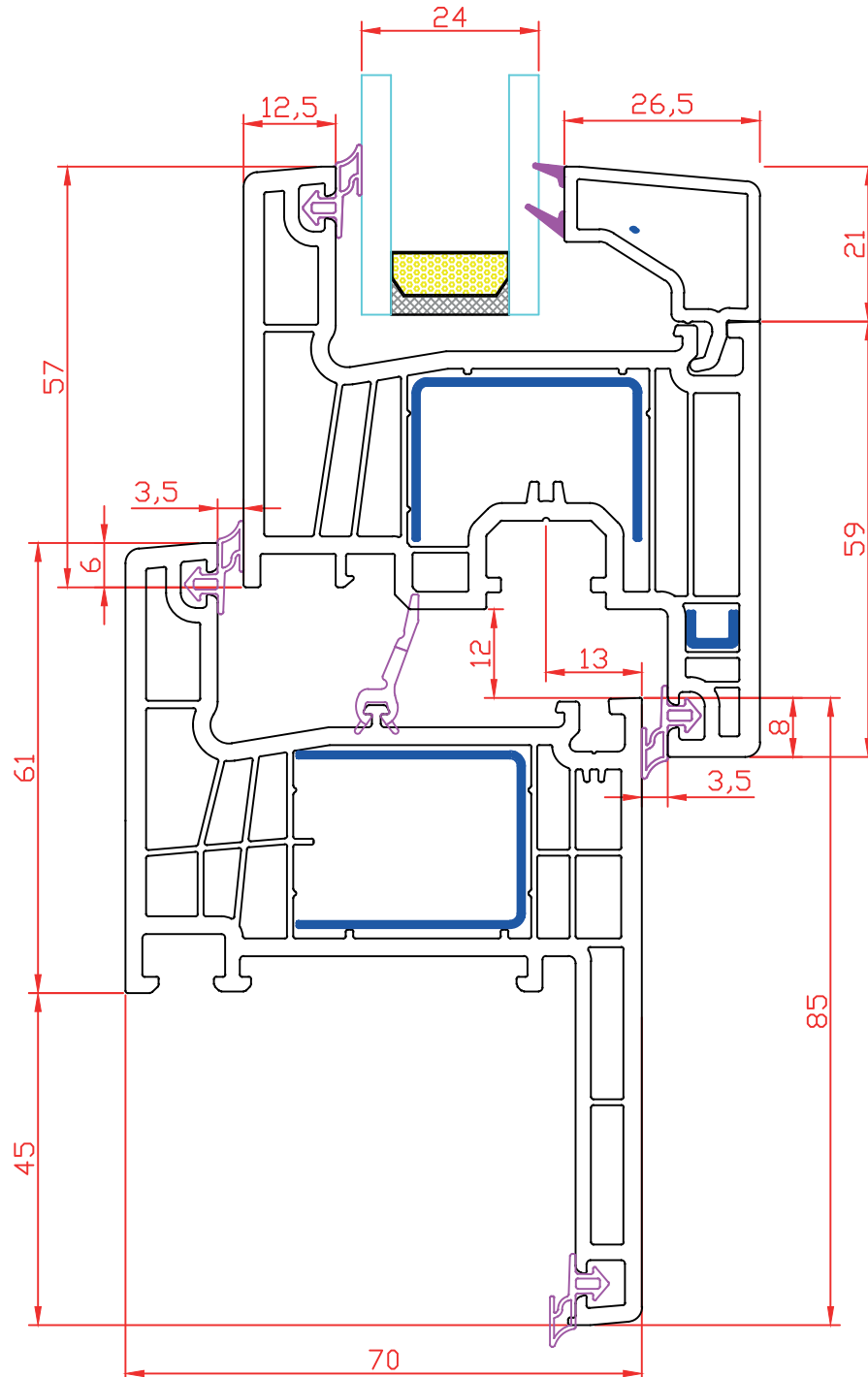
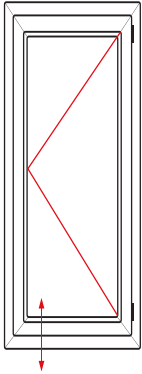




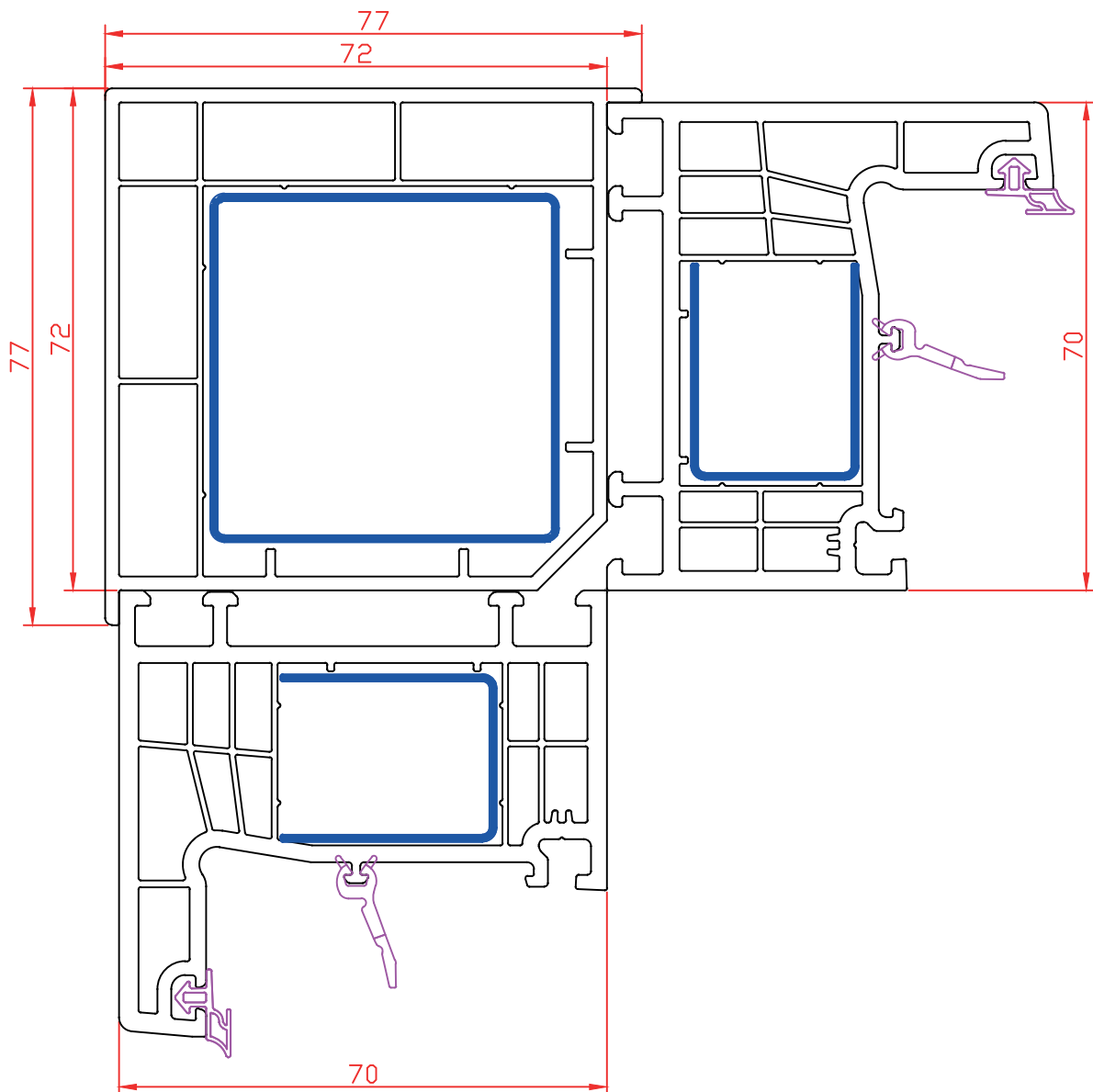


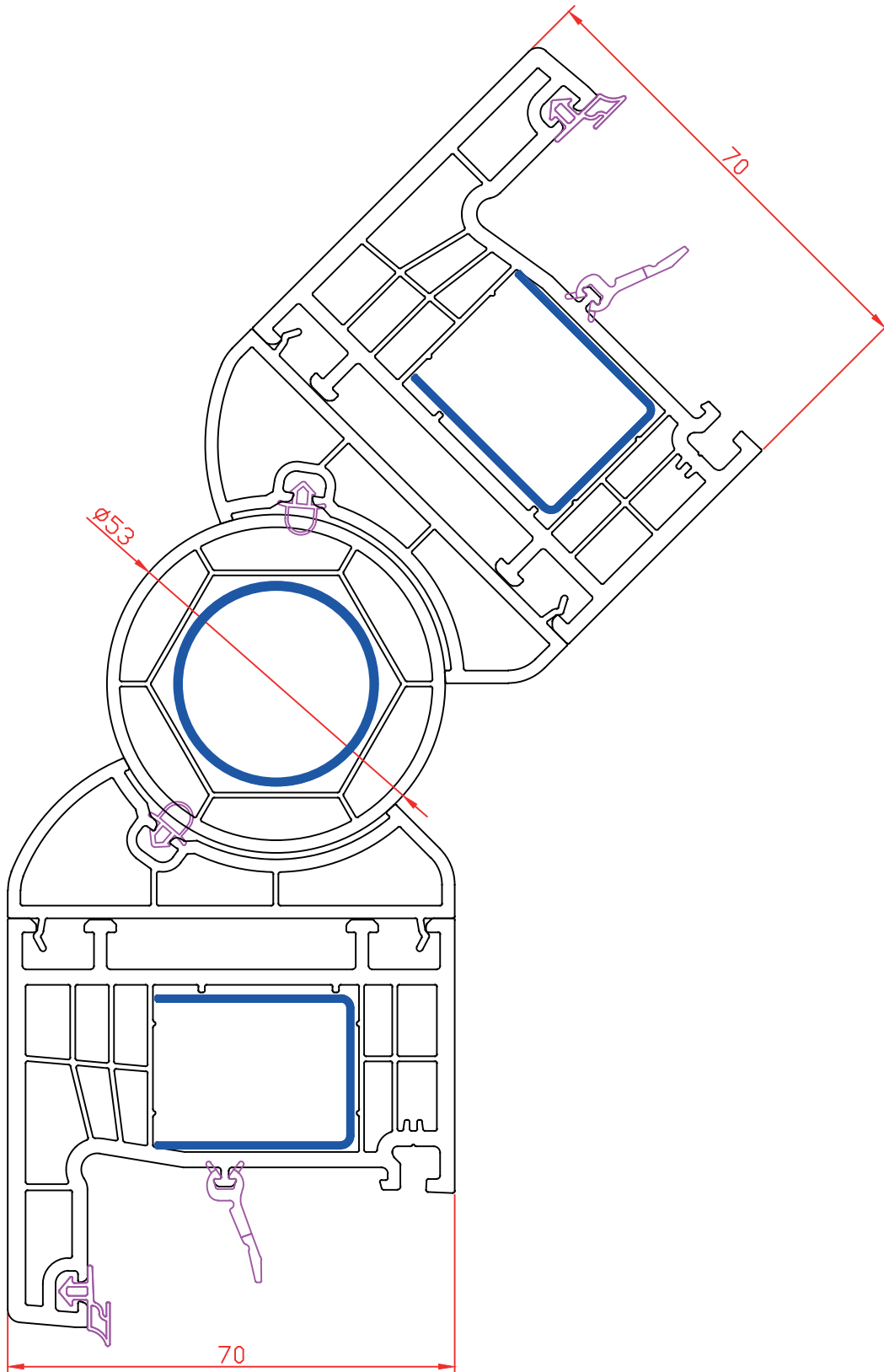


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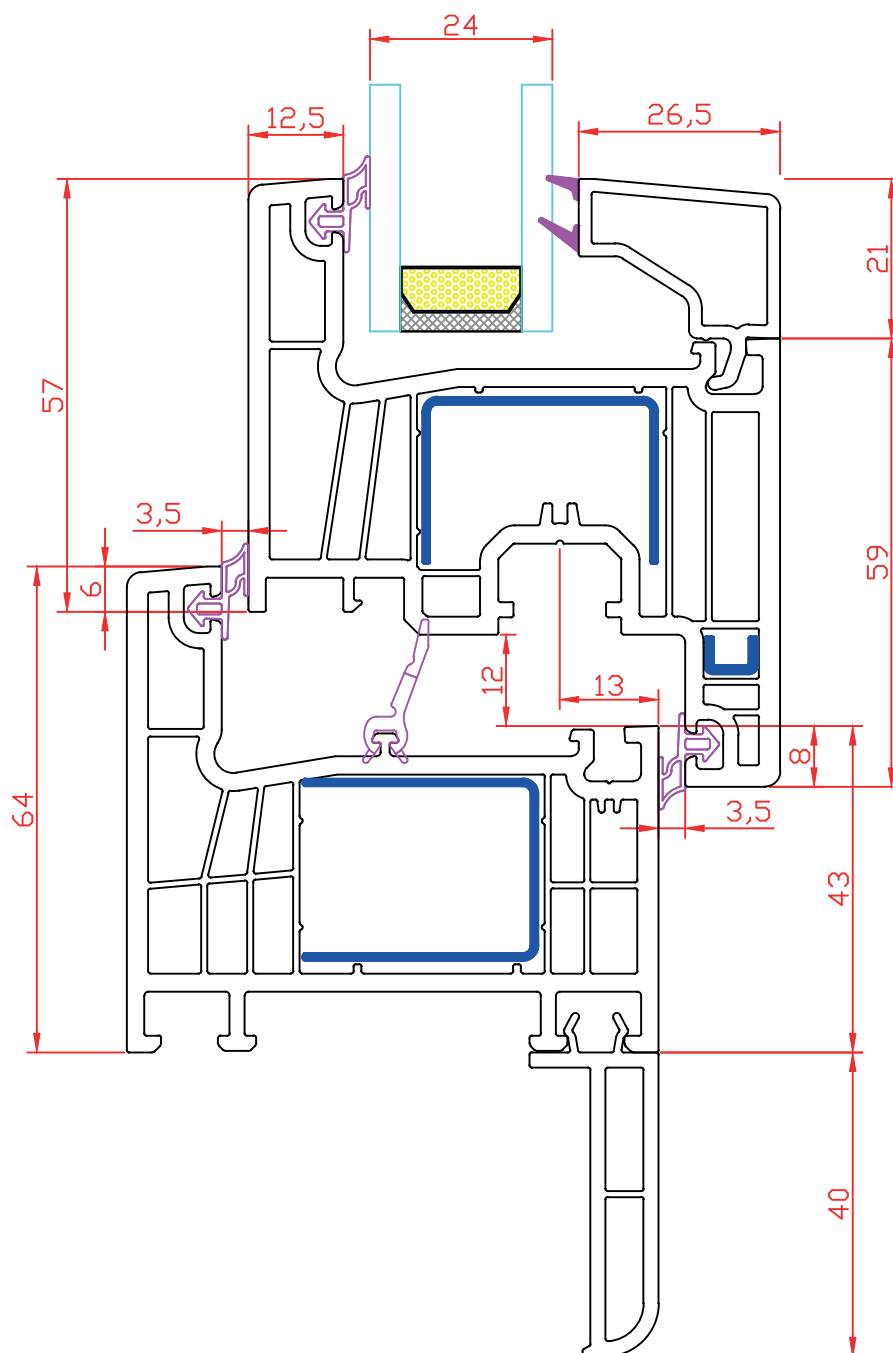
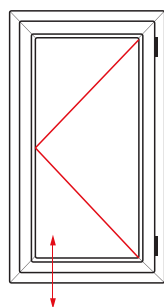


PANOVA A. Ş. reserves the right to make changes in our technical documents.

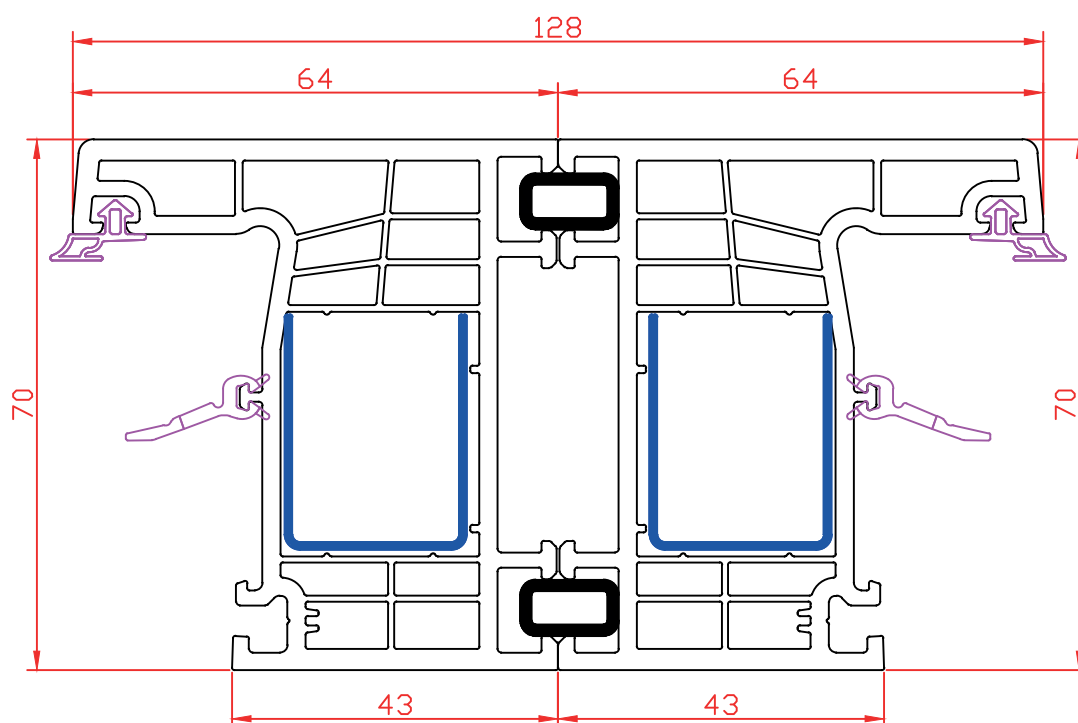
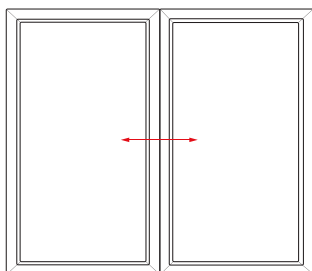


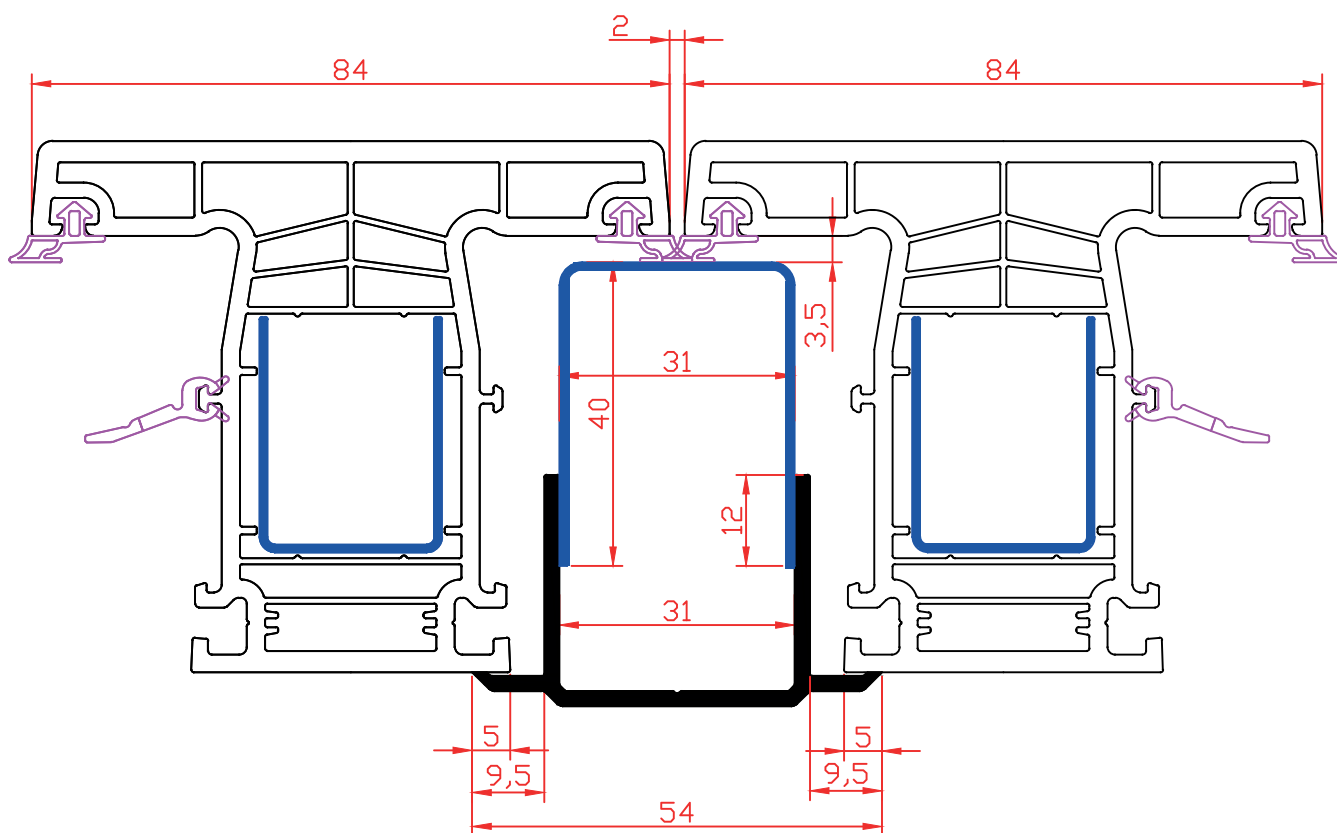
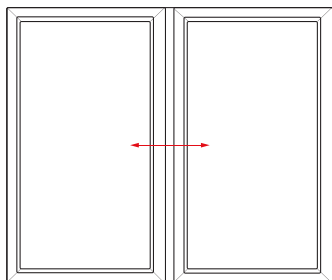


PANOVA A. Ş. reserves the right to make changes in our technical documents.

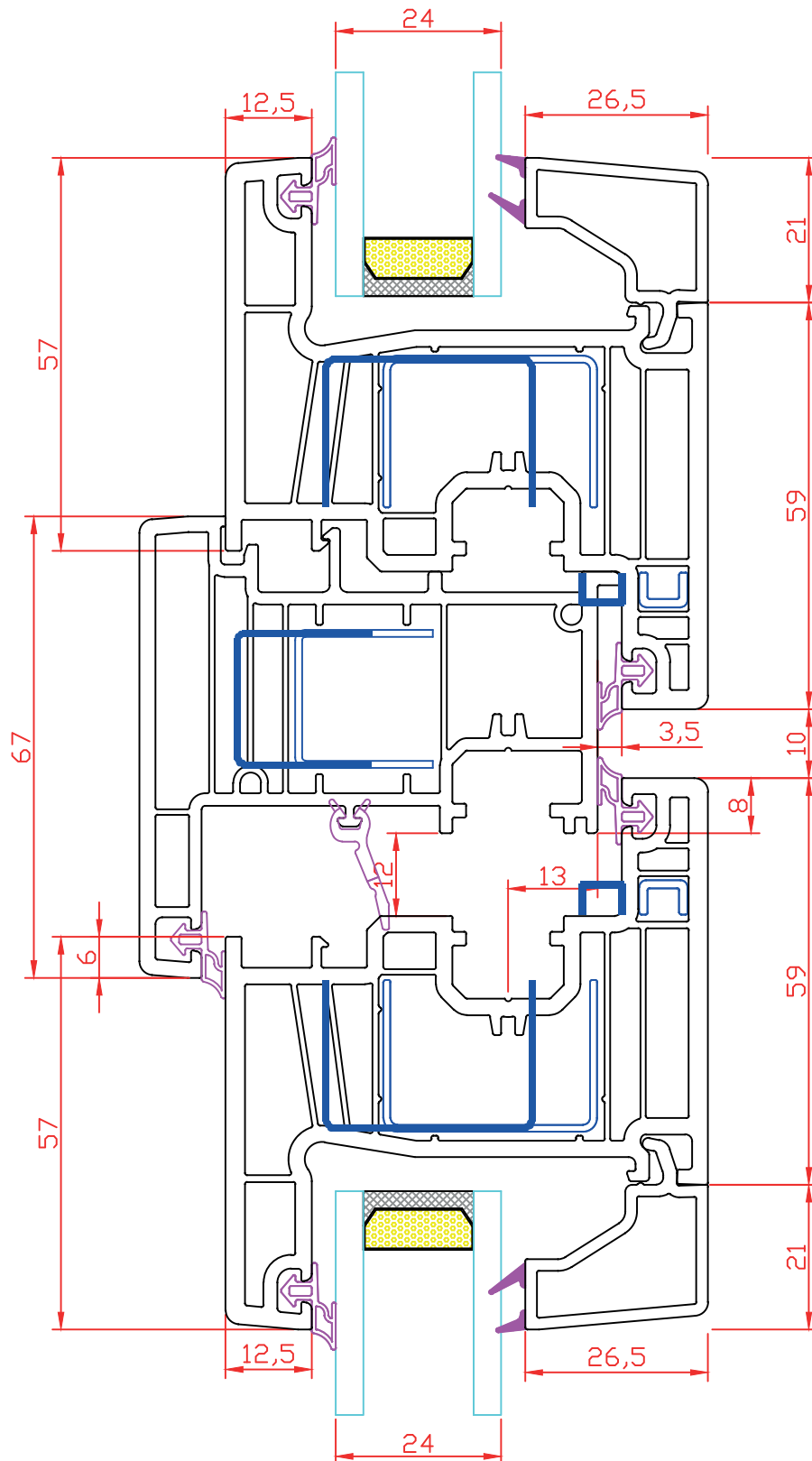
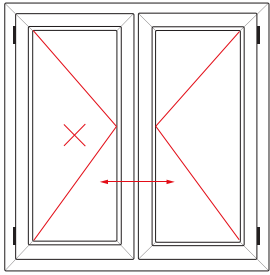


PANOVA A. Ş. reserves the right to make changes in our technical documents.

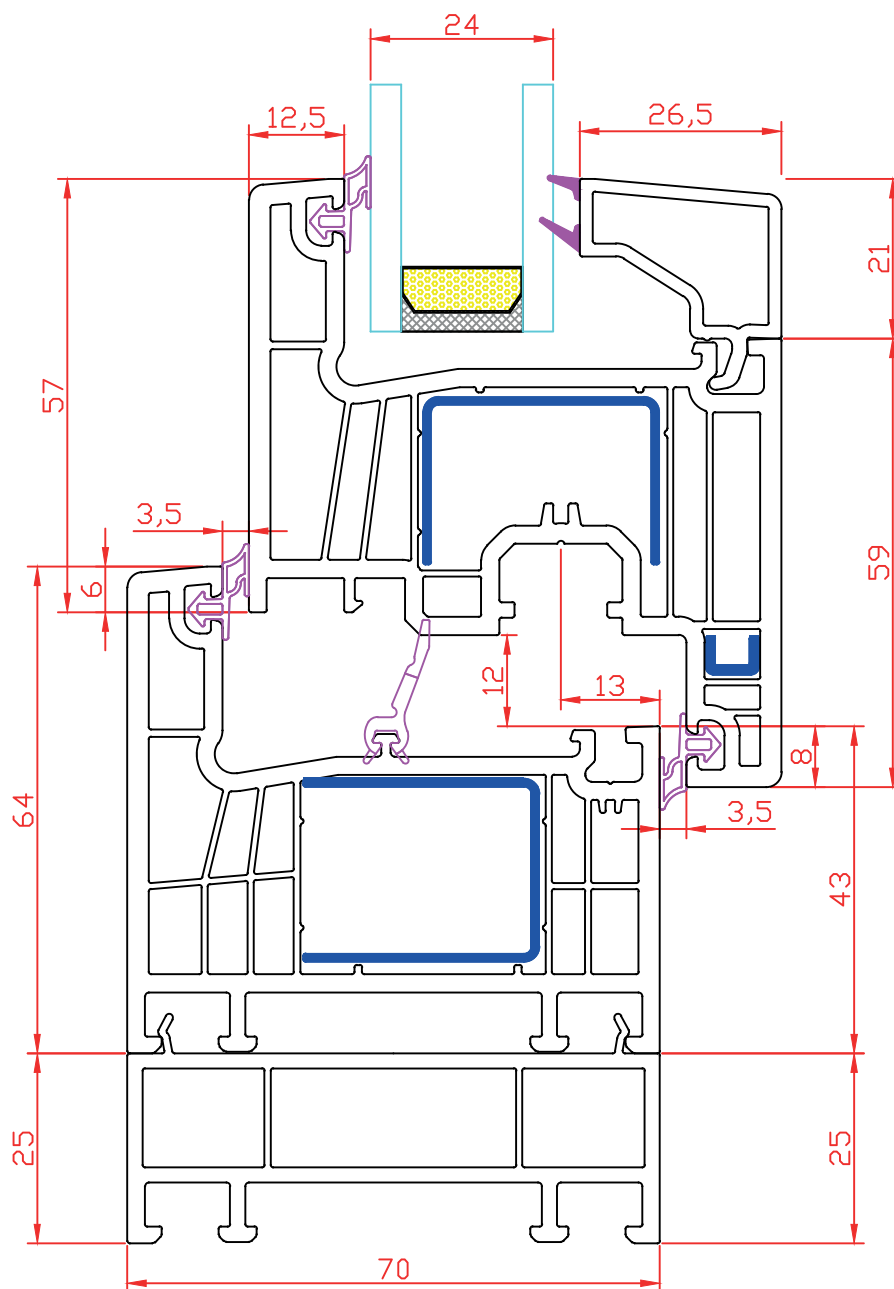
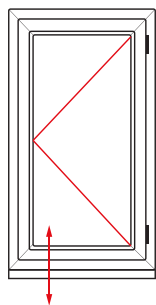




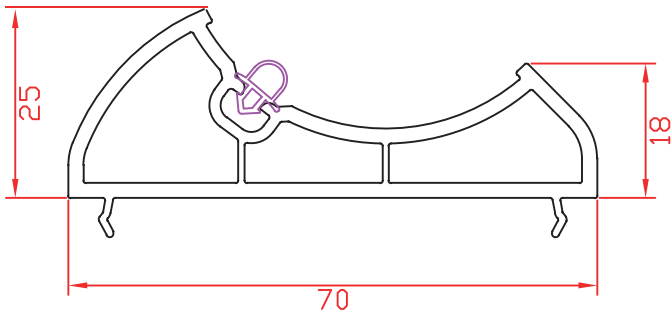
PANOVA A. Ş. reserves the right to make changes in our technical documents.



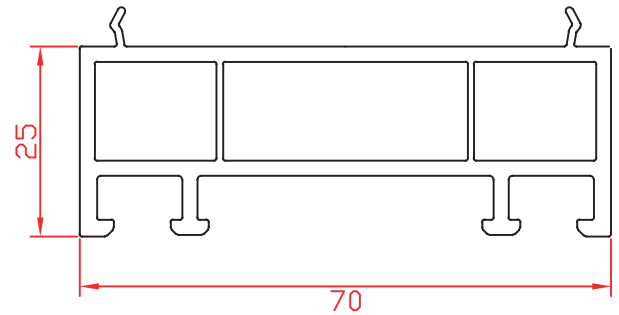
PANOVA A. Ş. reserves the right to make changes in our technical documents.



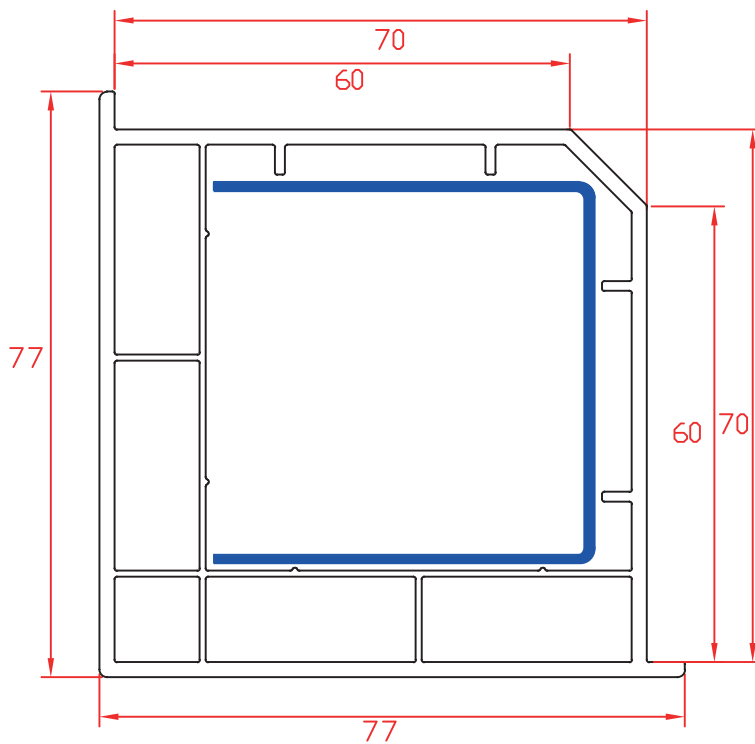
PANOVA A. Ş. reserves the right to make changes in our technical documents.



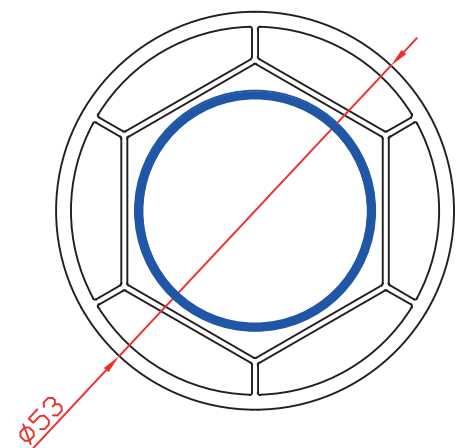
•18321
Corner Adapter
Profile



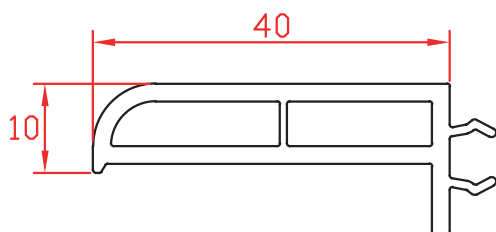
•18328
Frame Joint
Profile



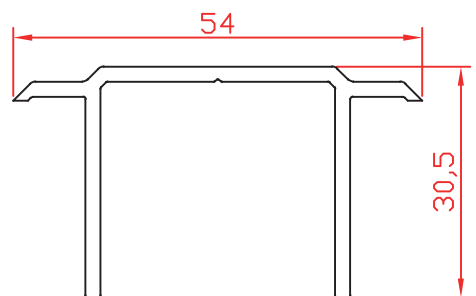
•18323
90° Box Profile



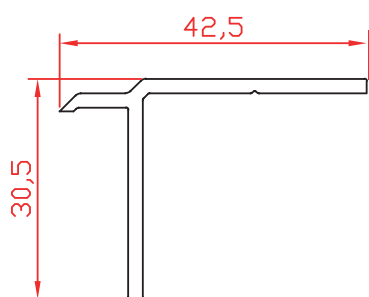
•18322
Corner Turn Pipe
Profile



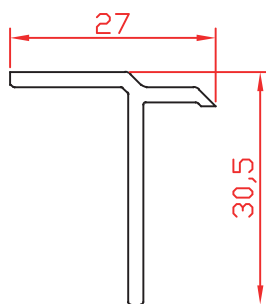
•18326
Casing Profile



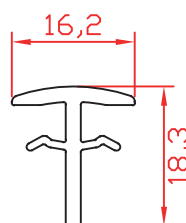
•18327
U Covering Profile



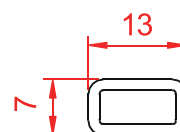
•18330
T Covering Profile



•18329
T Covering Profile



•18325
Decorative Coupling Profile

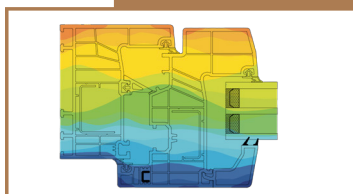


•18324
Coupling Profile

$U_f : 0,98 \text{ W/m}^2\text{-K}$

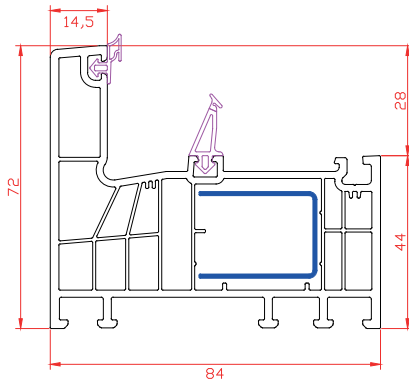
$U_w : 0,91 \text{ W/m}^2\text{-K}$

NOVA 85

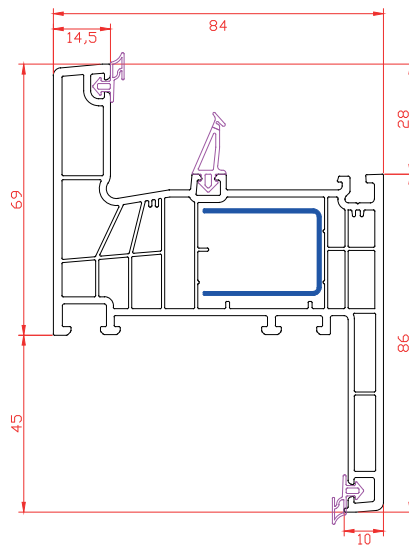


Technical Specifications

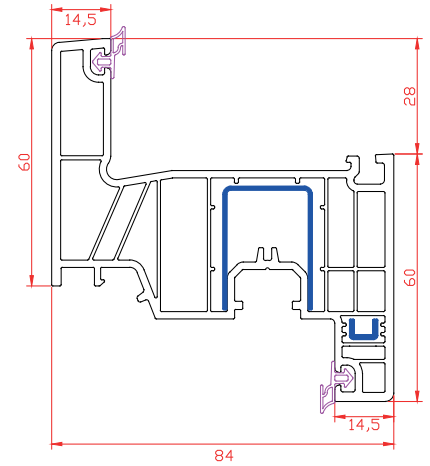
Profile Width	: 85 mm
Number of Chambers	: 7 Chambers
Number of Gaskets	: 3 Gaskets
Gasket Material	: TPE Gray / Black
Glazing Bead	: Single Leg with PCE Gasket
Glass Thicknesses	: 24/30/36/44 mm



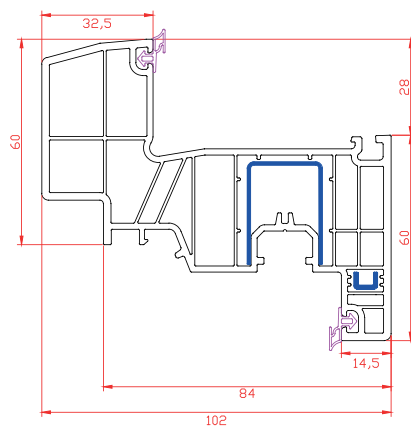
•14851
Frame Profile



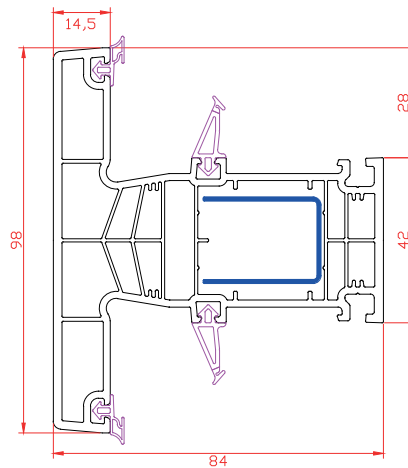
•14852
Casing Frame Profile



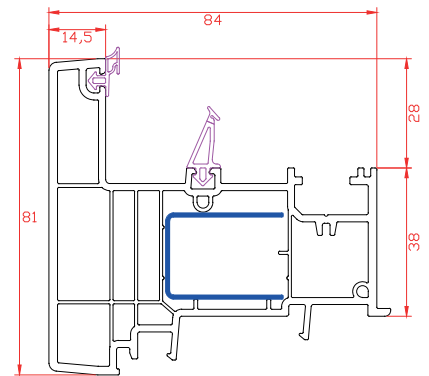
•14854
Sash Profile



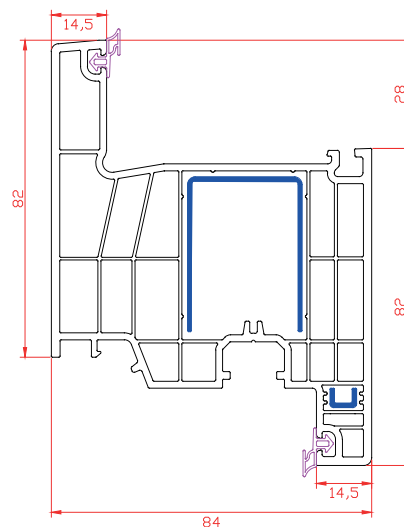
•14855
Drained Sash Profile



•14853
Mullion Profile



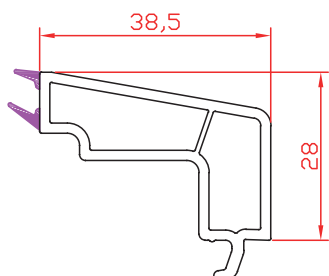
•14858
Stump Profile



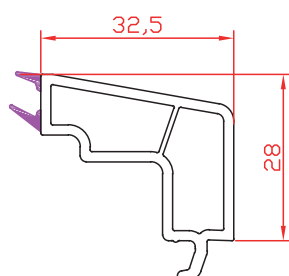
•14856
Door Sash Profile

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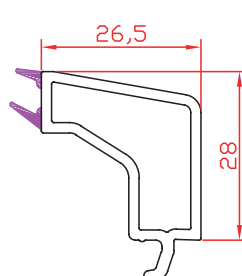
Glazing Beads



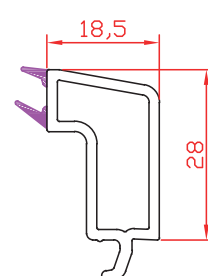
•19824
24 mm Glazing Bead



•19830
30 mm Glazing Bead

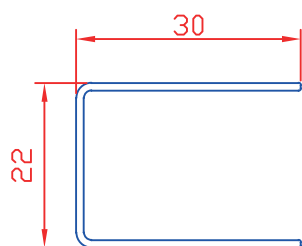


•19836
36 mm Glazing Bead

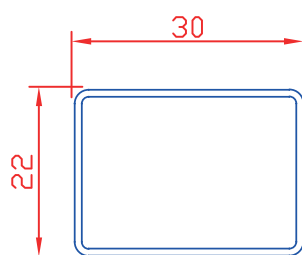


•19844
44 mm Glazing Bead

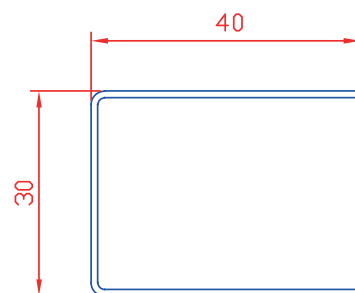
Reinforcement Steels



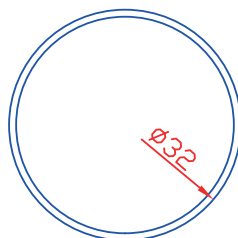
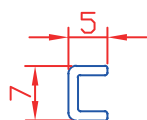
- 1.2 mm
- 1.5 mm
- 2.0 mm



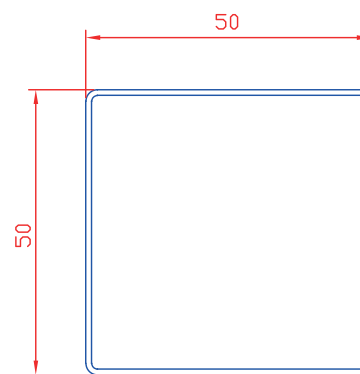
- 1.2 mm
- 1.5 mm
- 2.0 mm



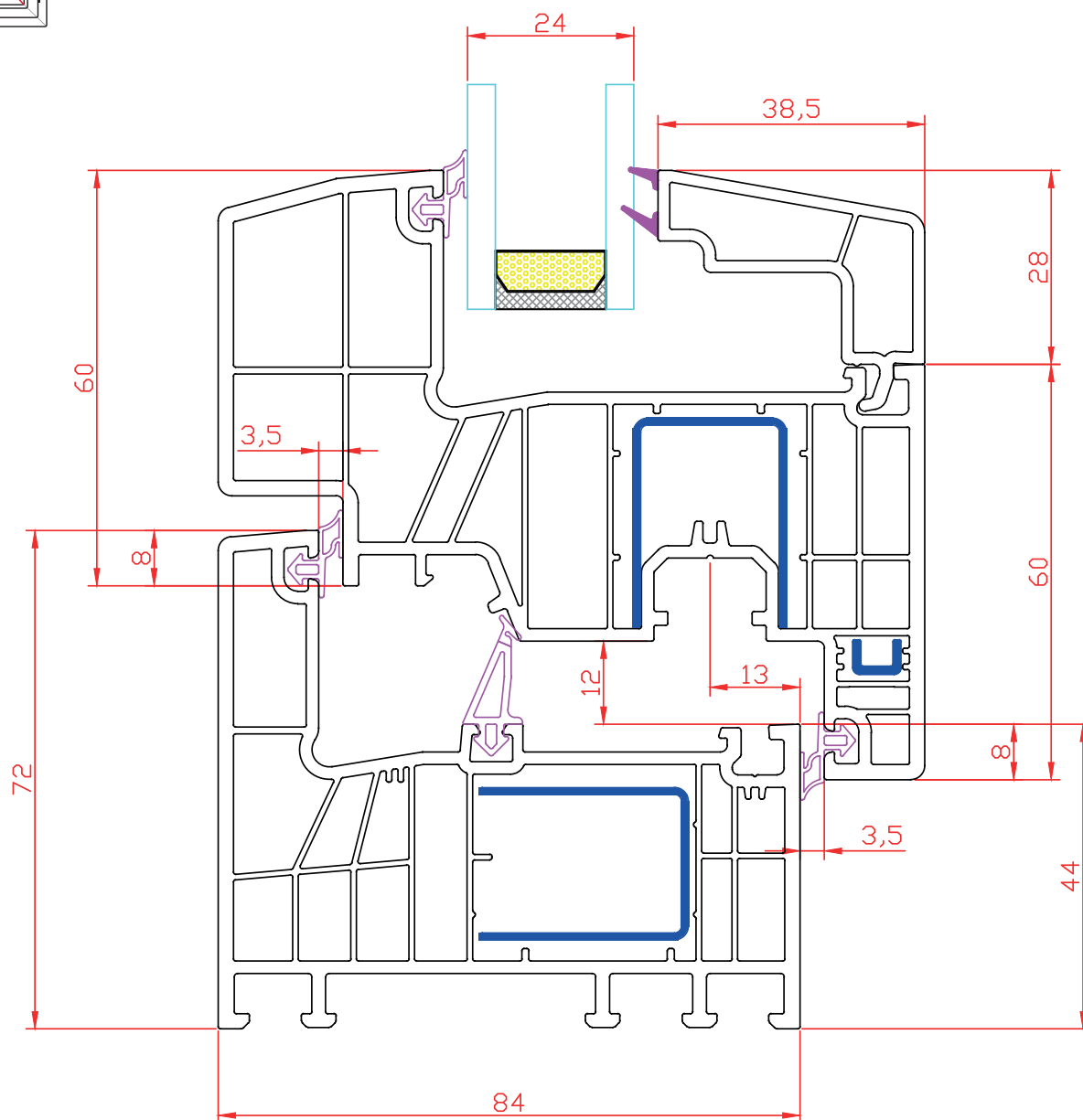
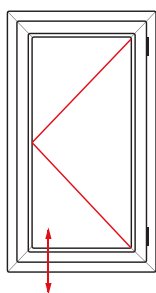
- 1.2 mm
- 1.5 mm
- 2.0 mm

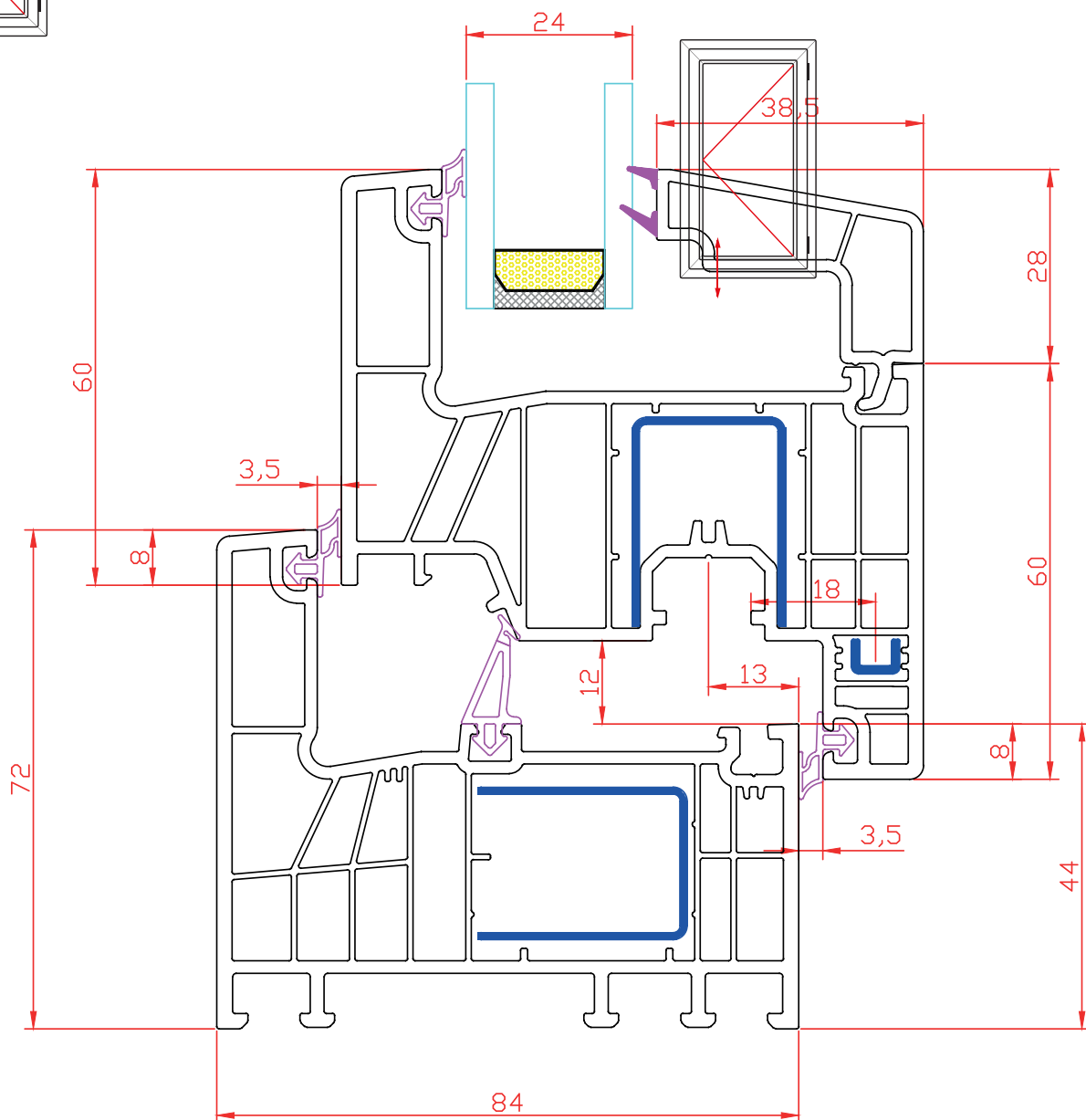
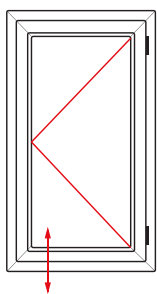


- 2.0 mm

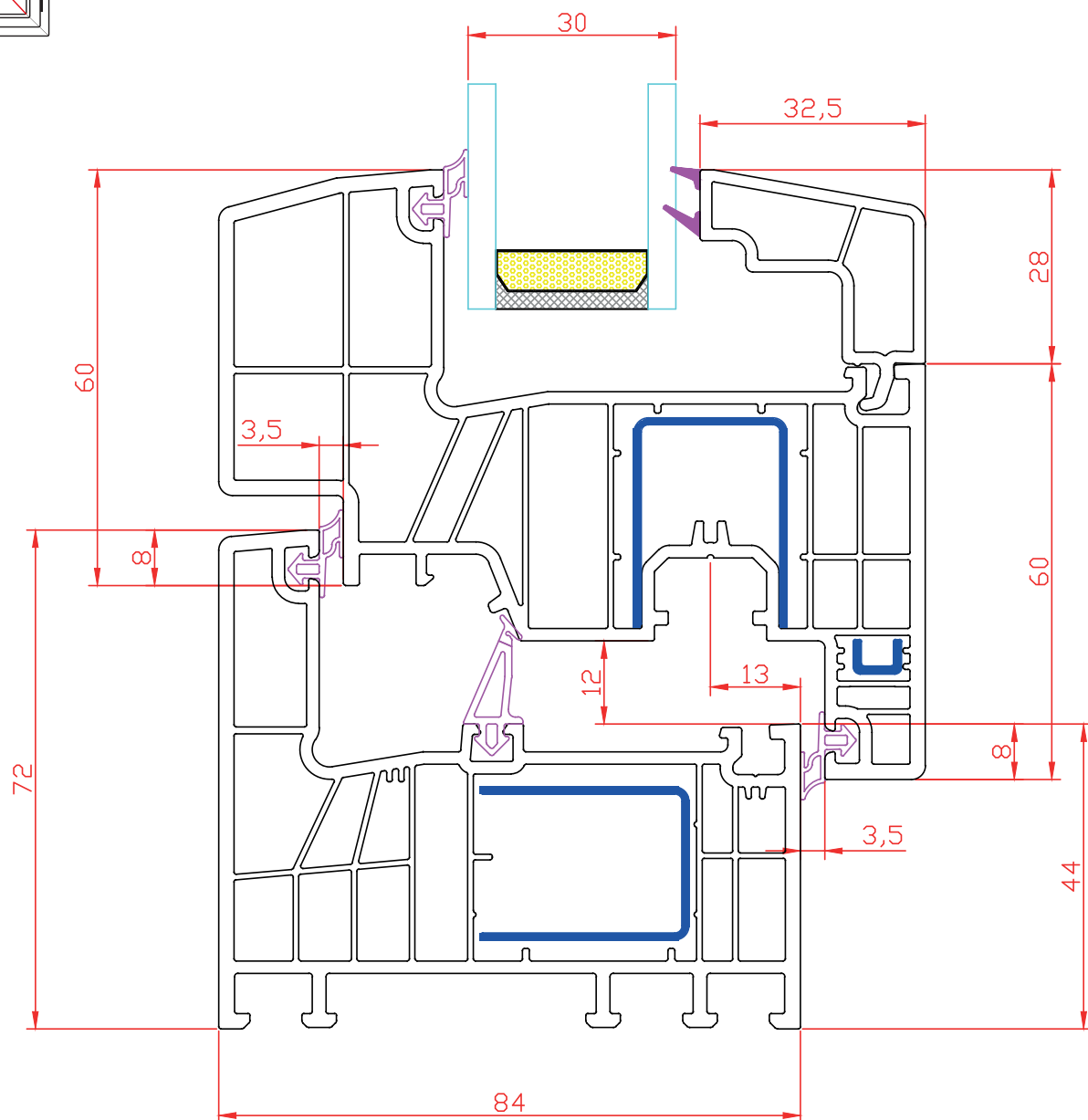
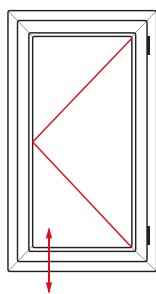


- 2.0 mm

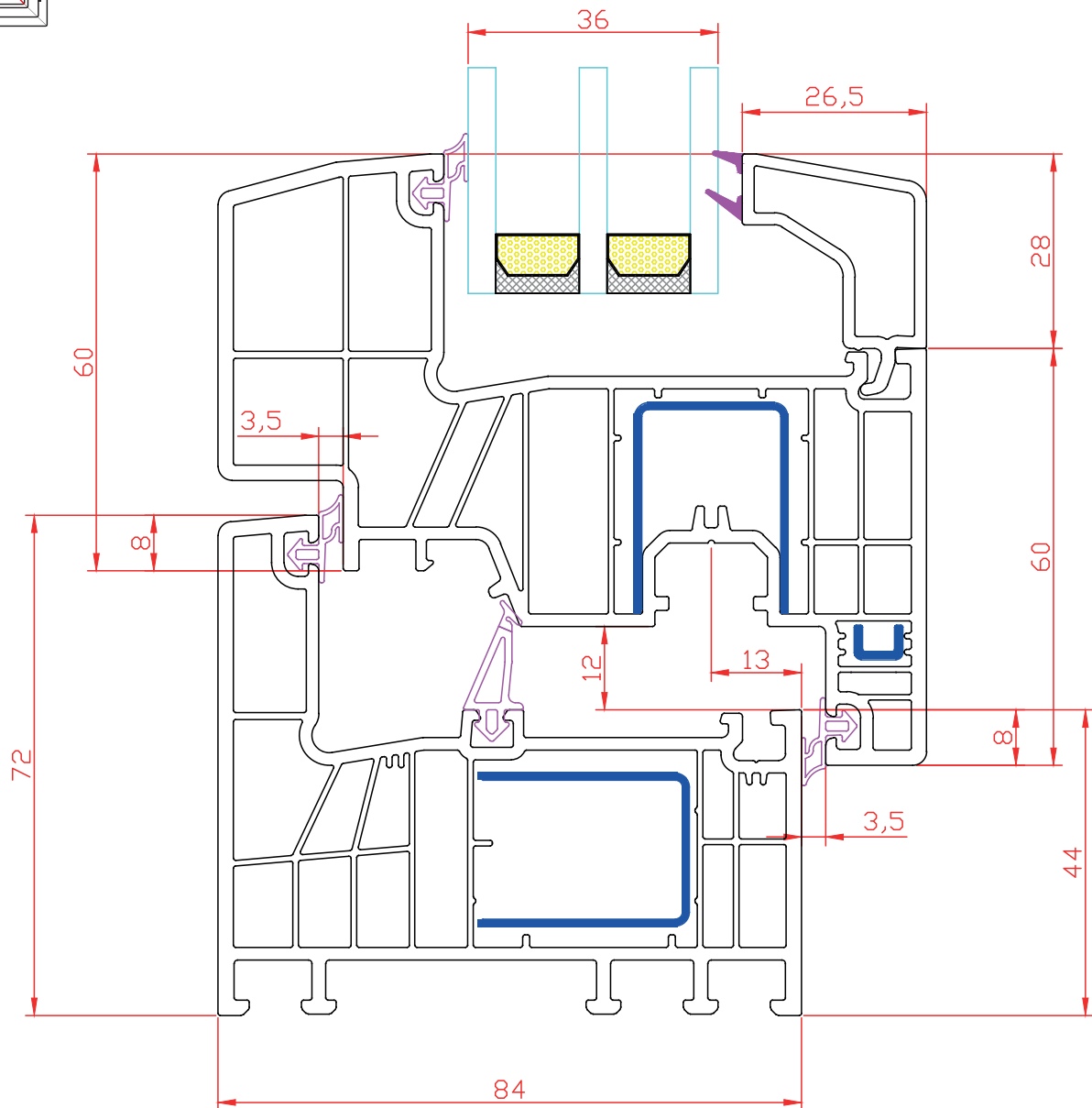
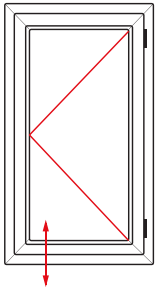




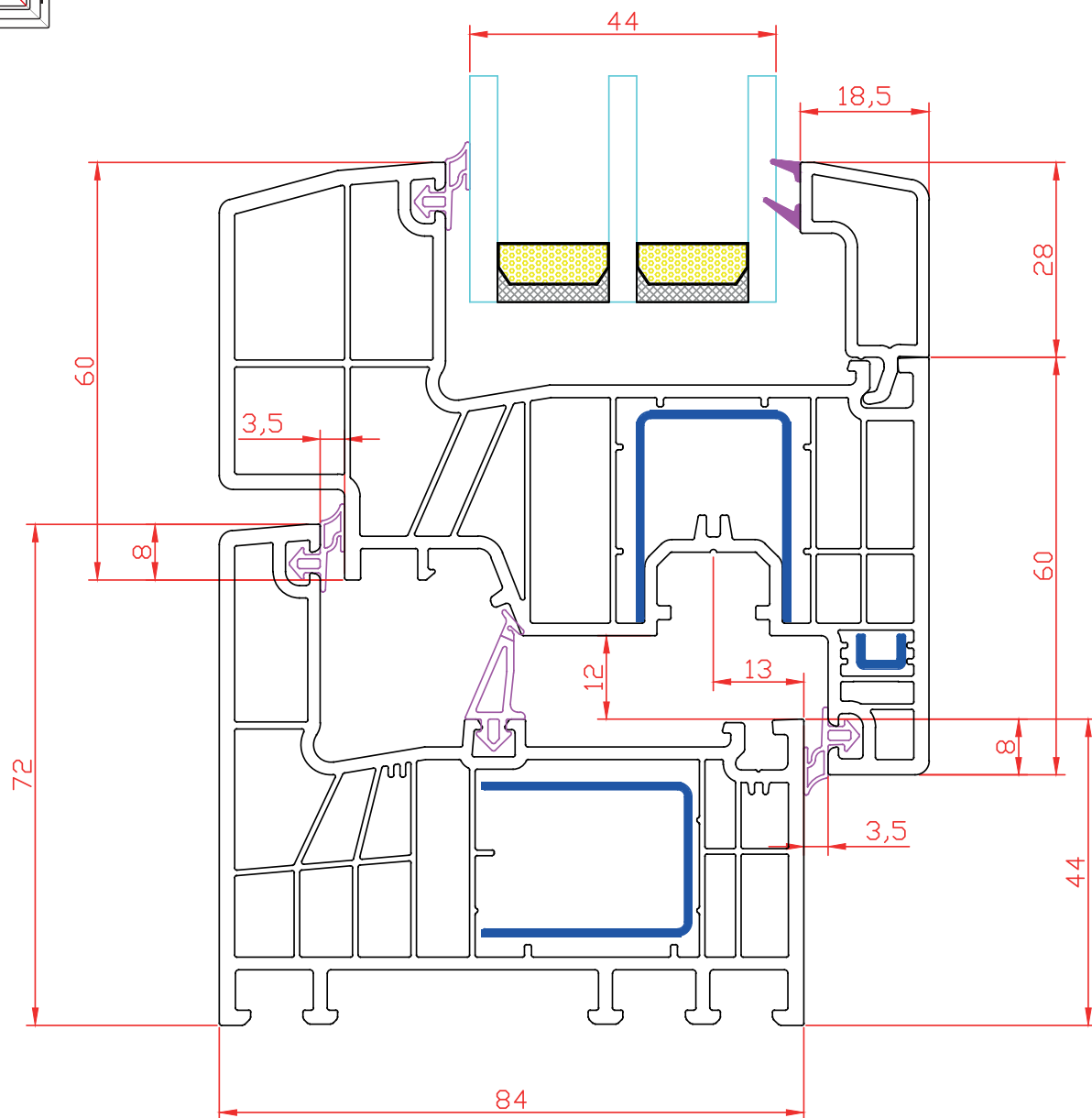
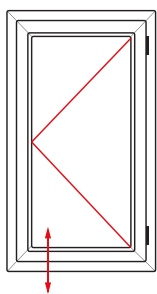
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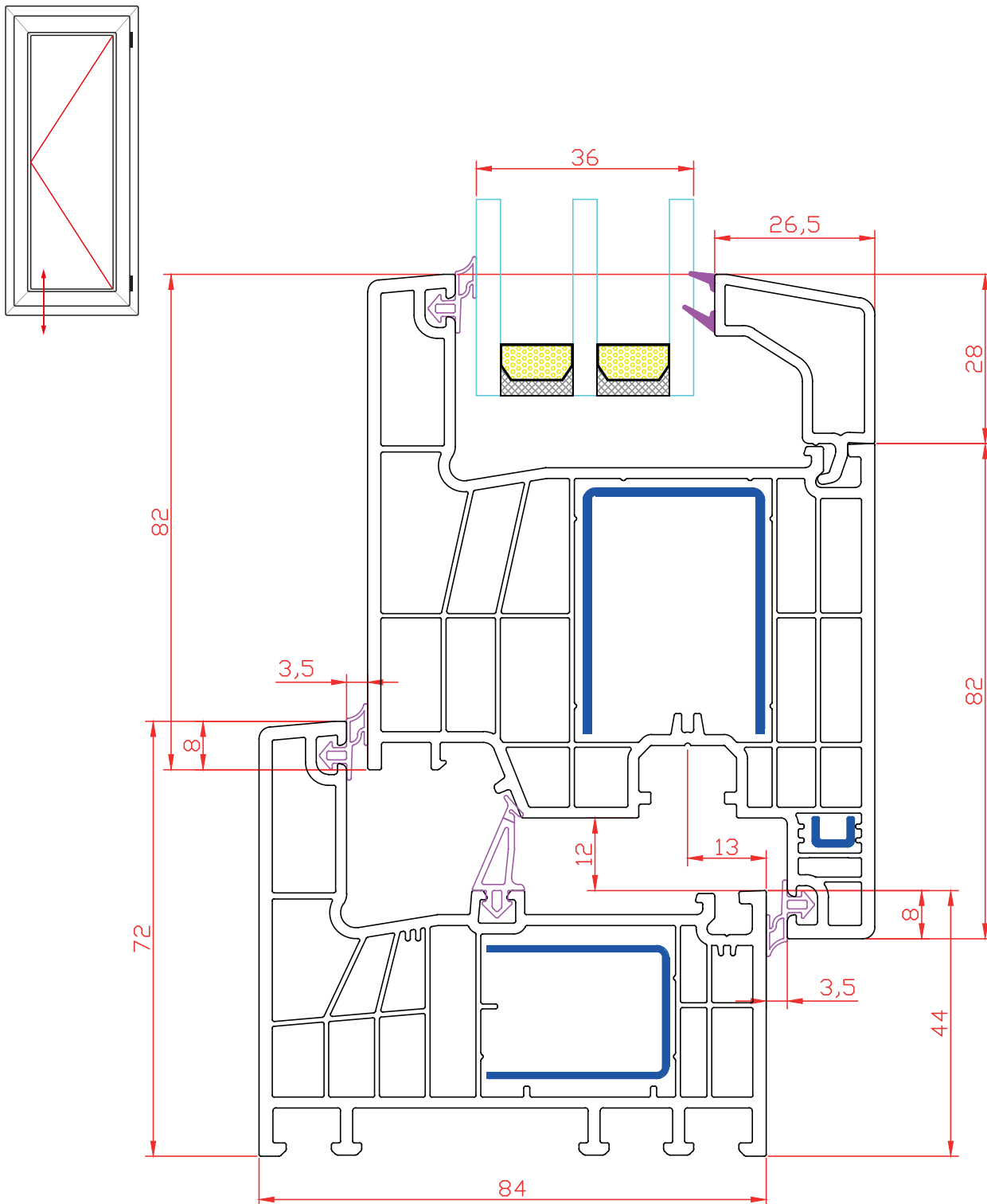
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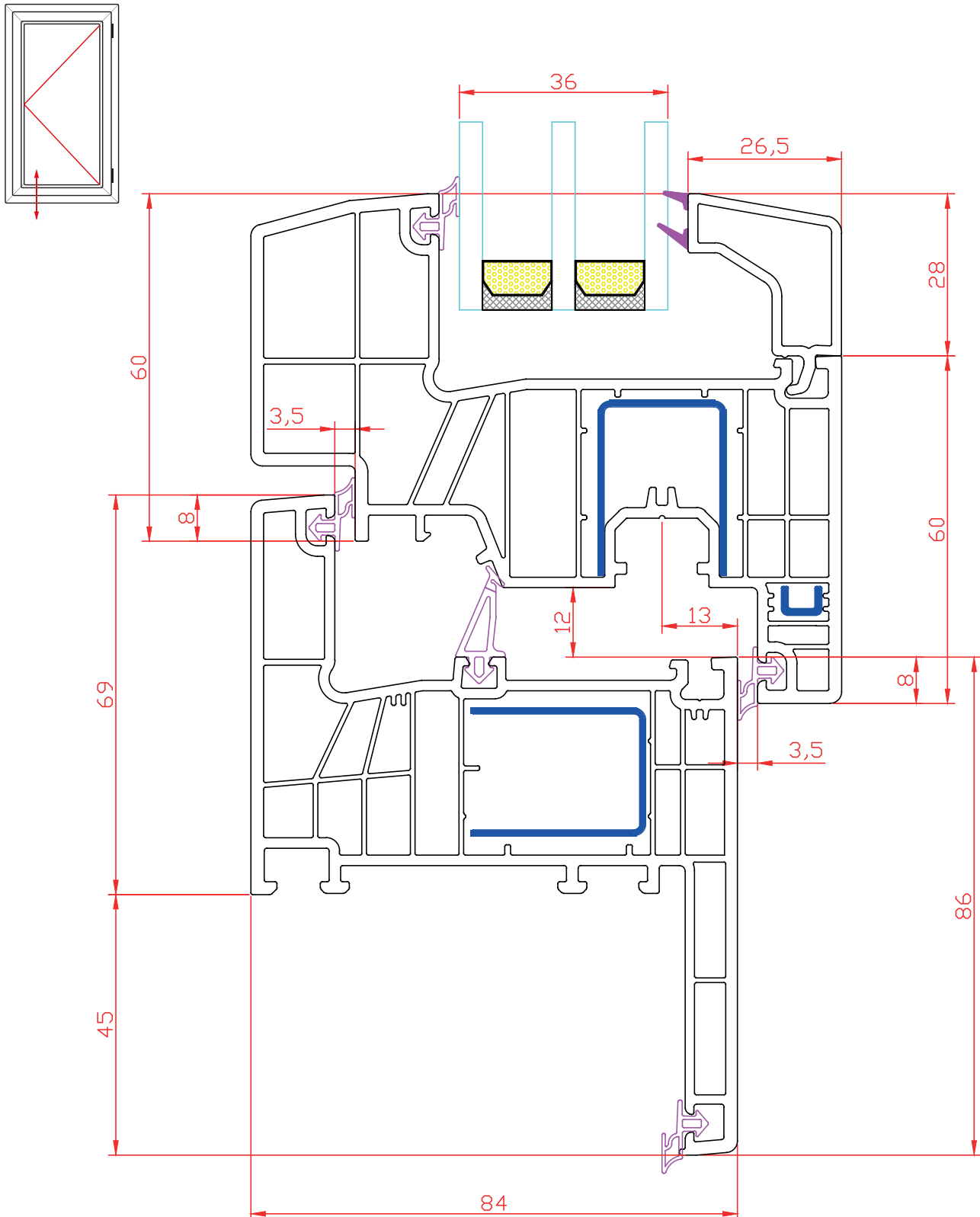
PANOVA A. Ş. reserves the right to make changes in our technical documents.



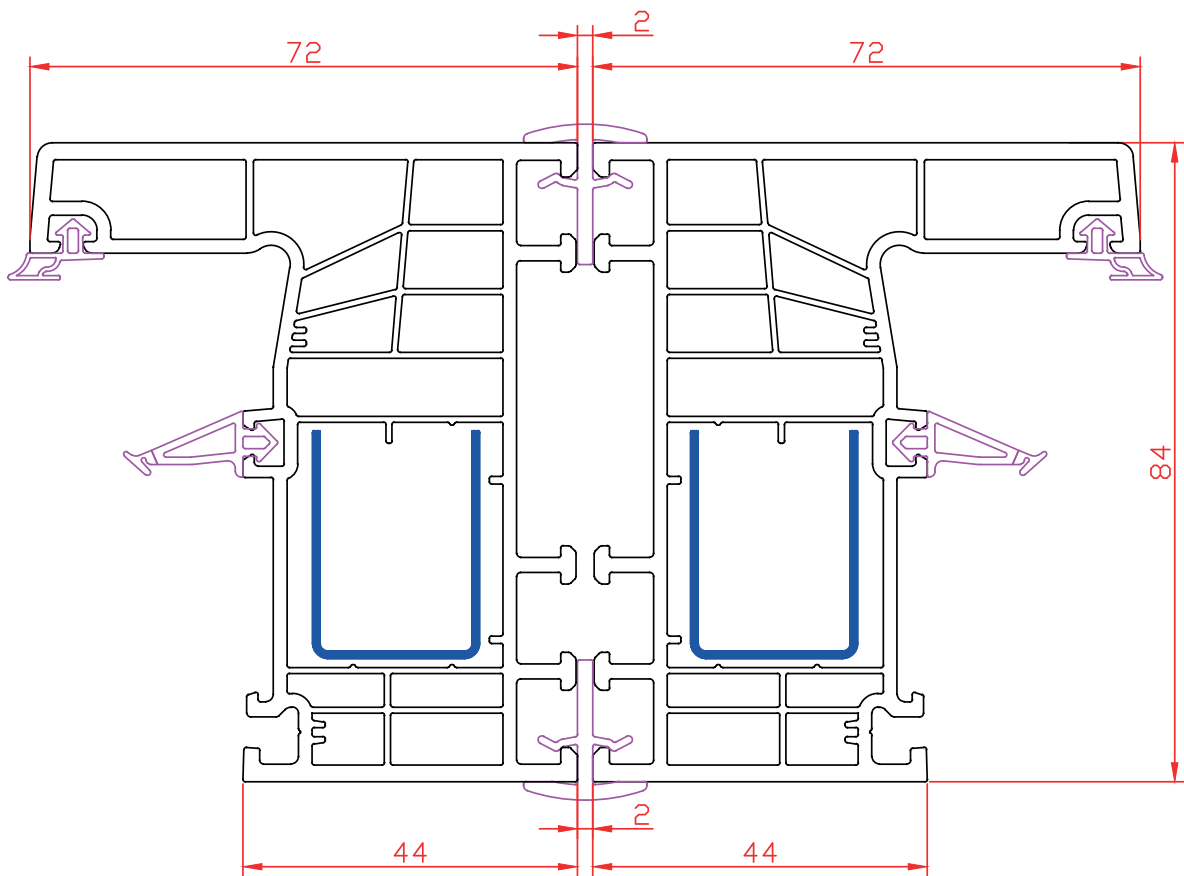
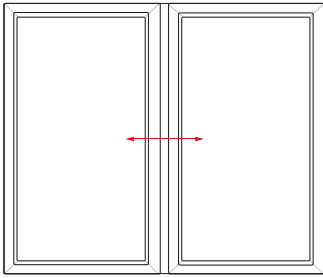
PANOVA A. Ş. reserves the right to make changes in our technical documents.



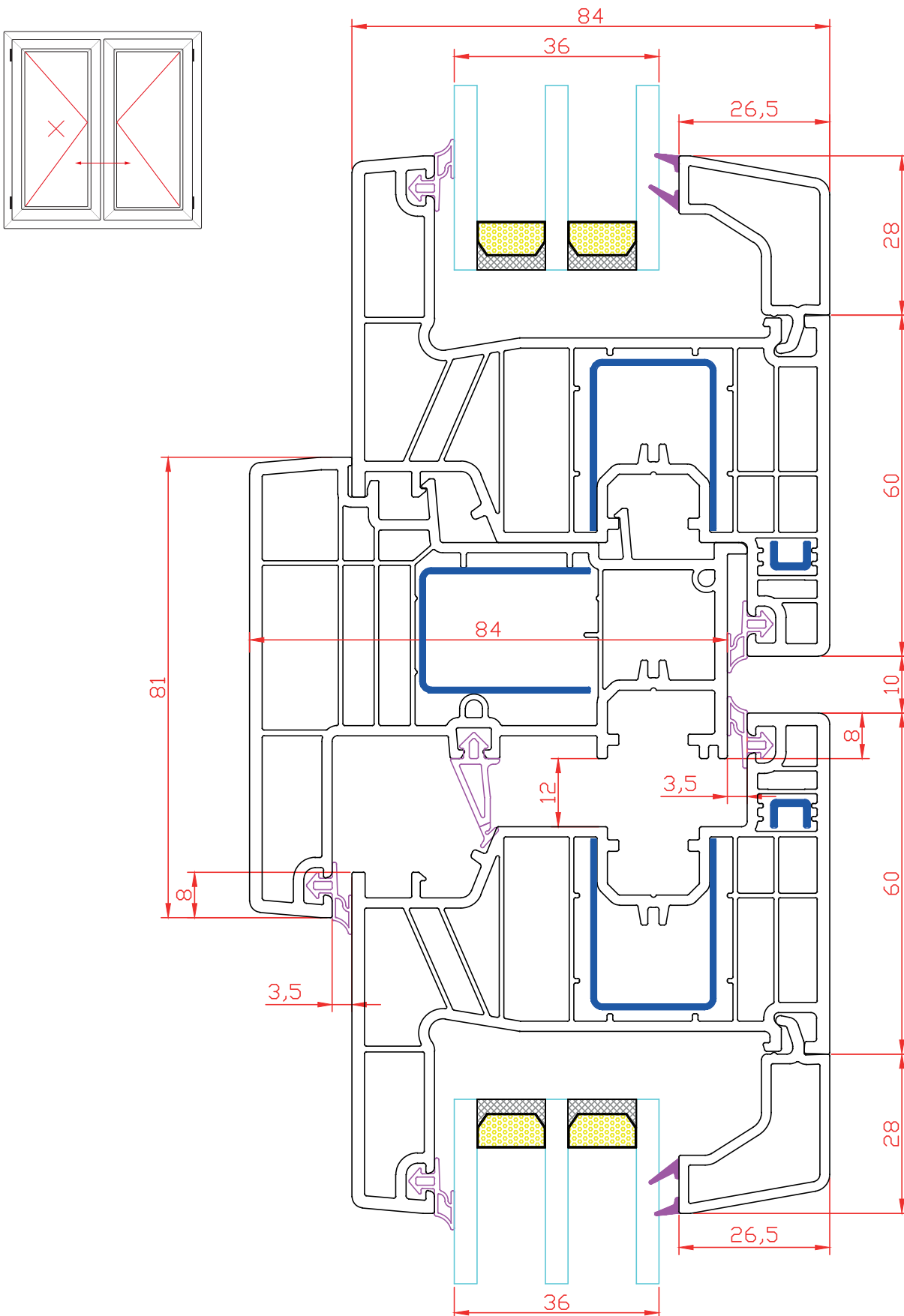
PANOVA A. Ş. reserves the right to make changes in our technical documents.



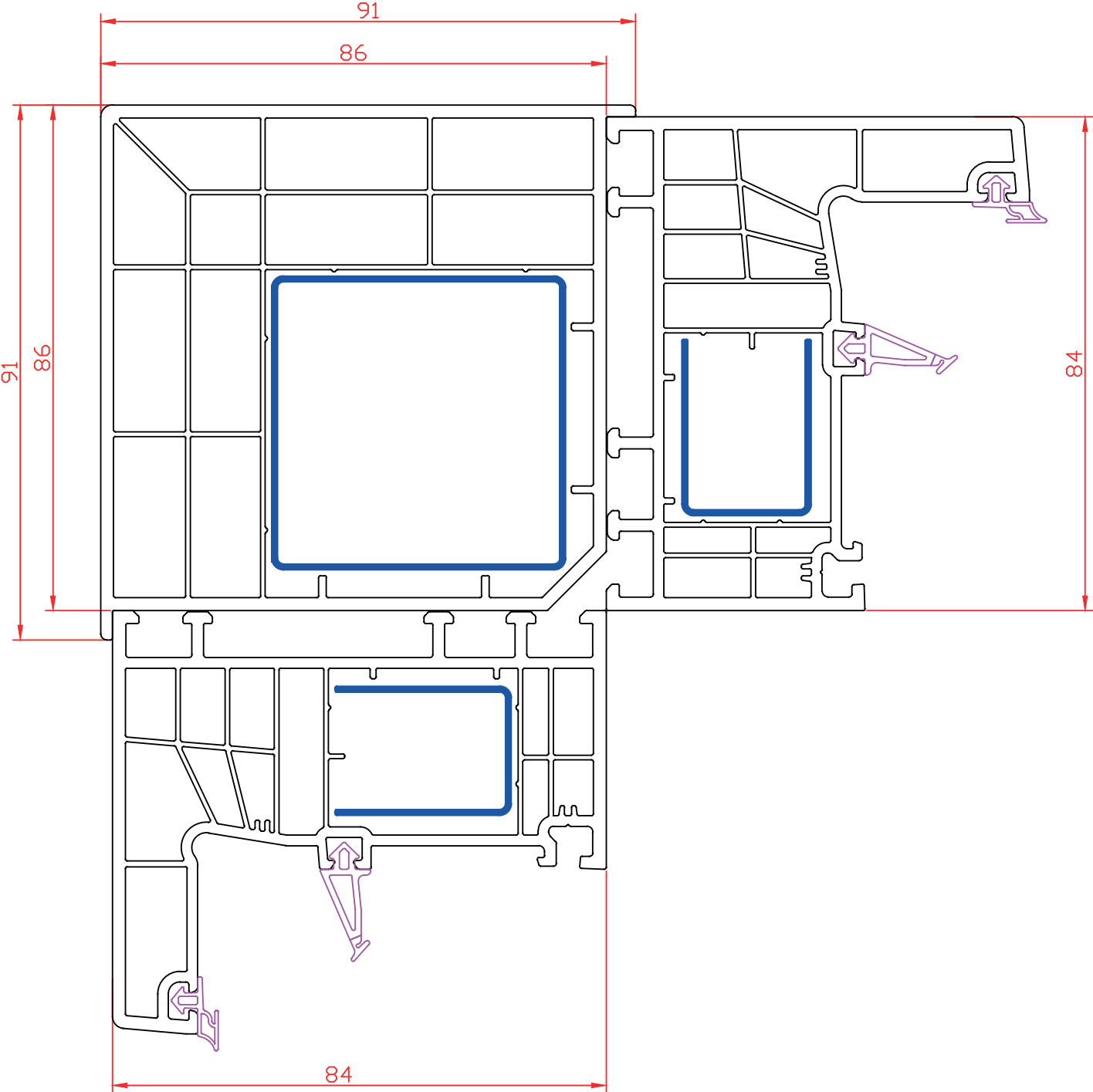
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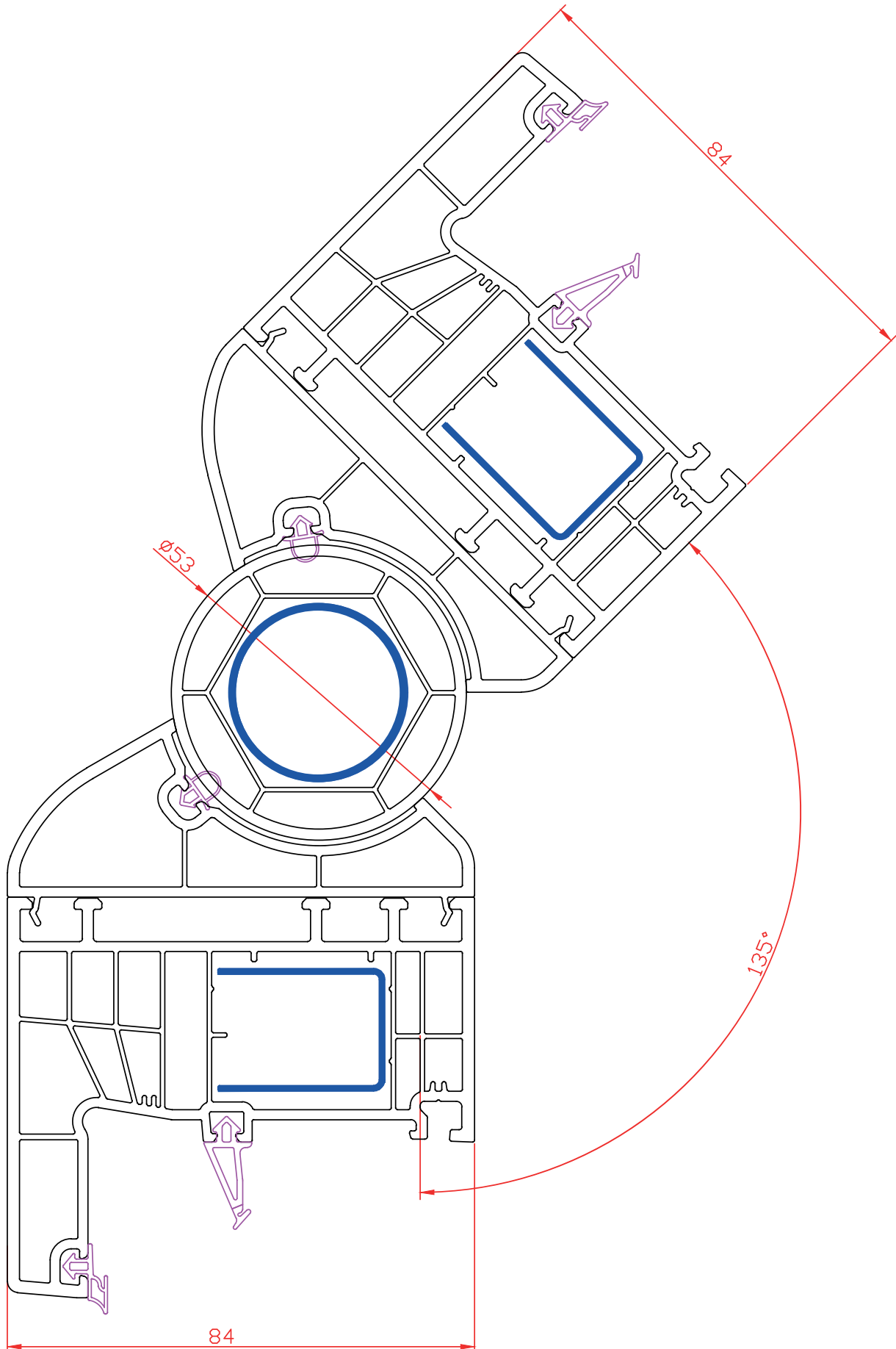
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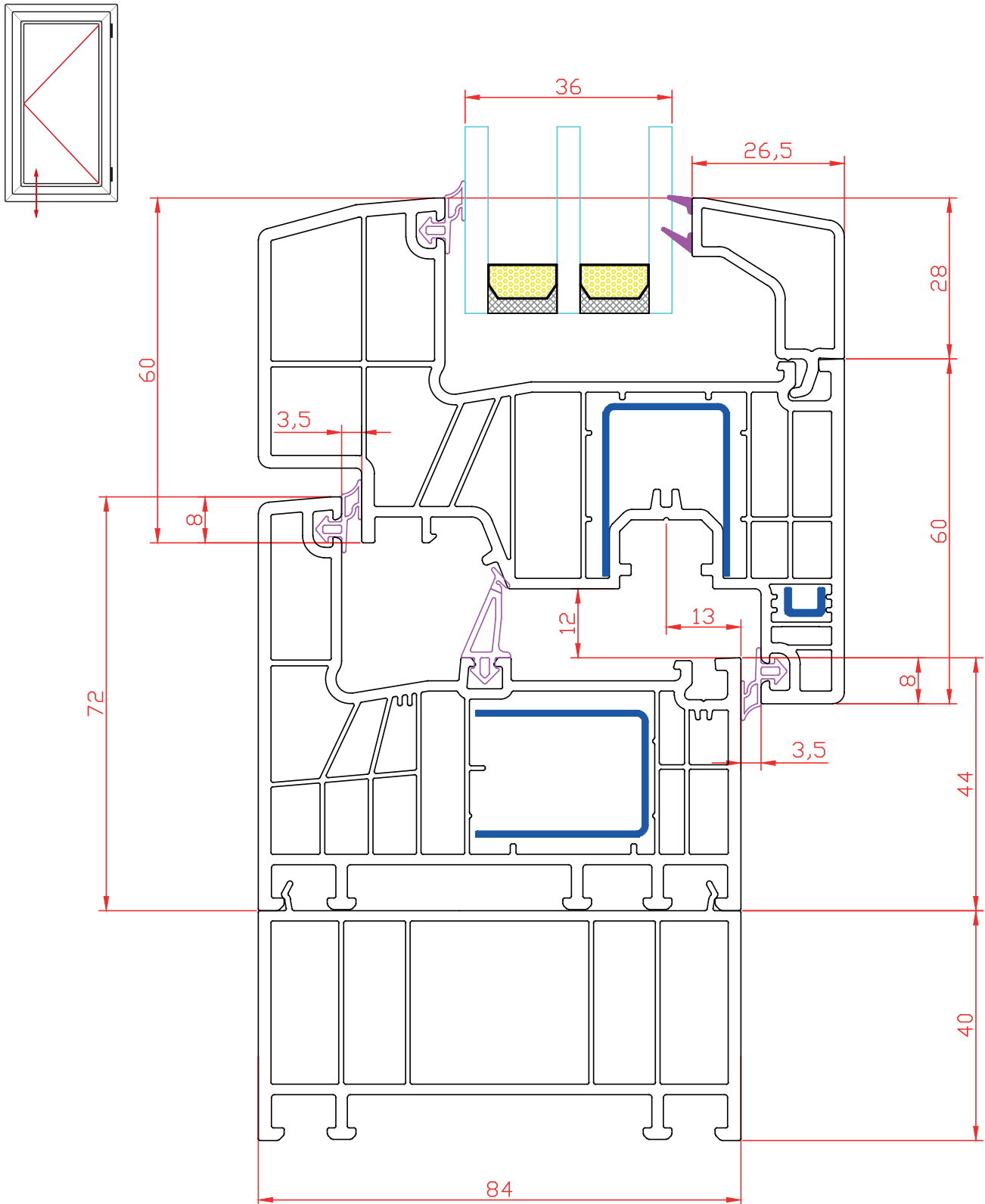
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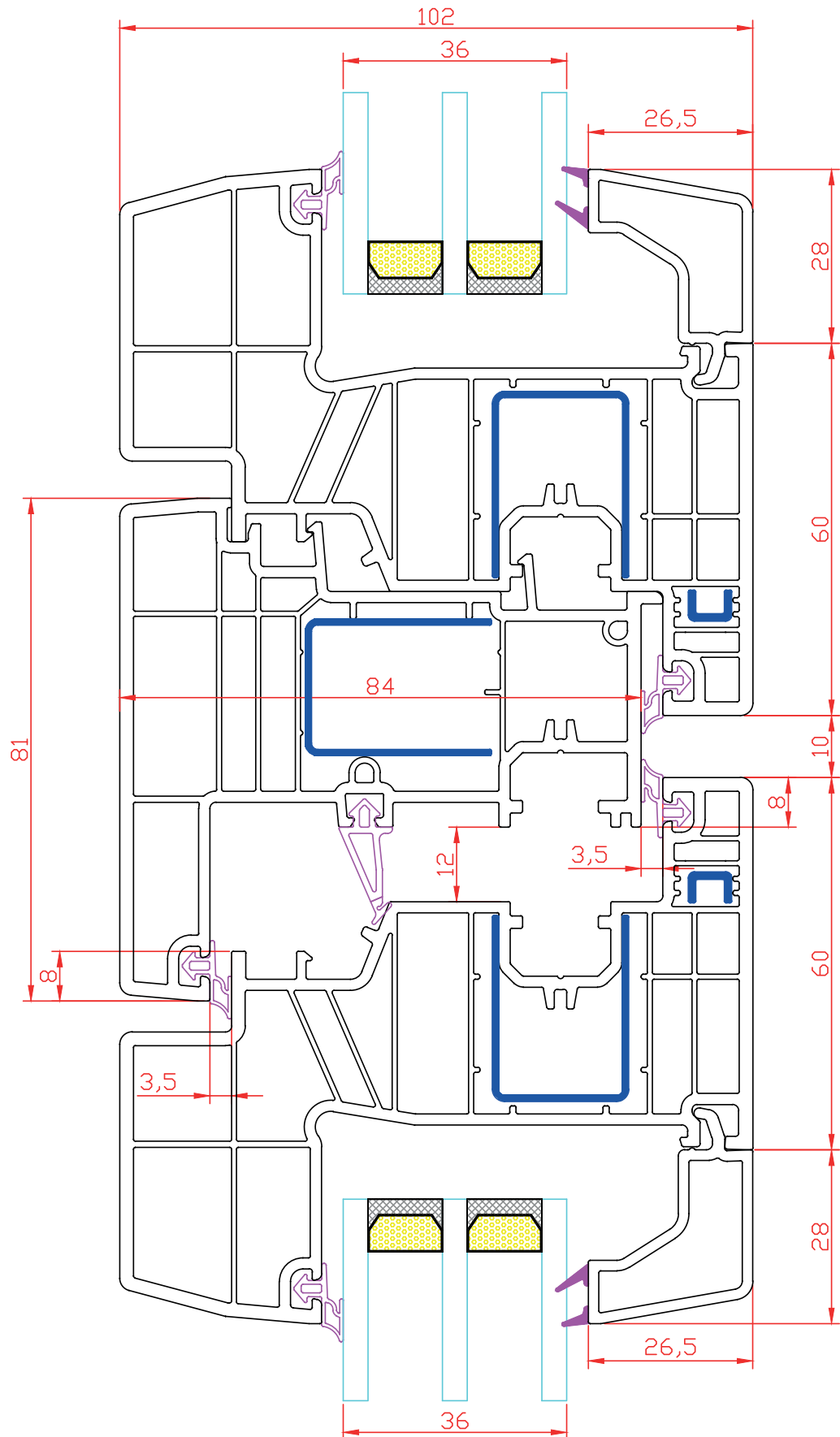
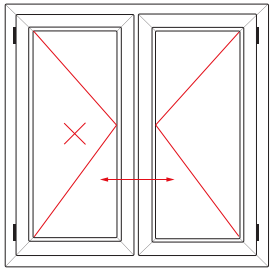
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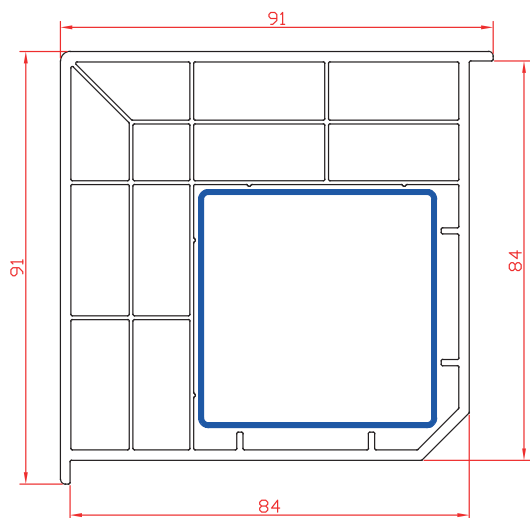
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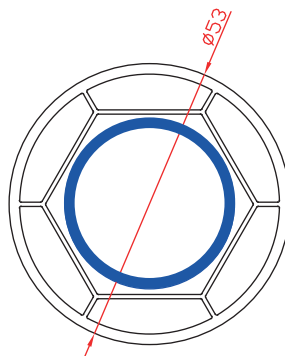
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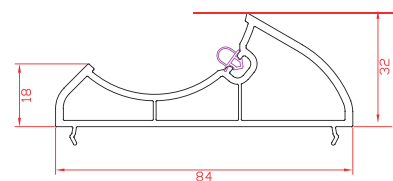
PANOVA A. Ş. reserves the right to make changes in our technical documents.



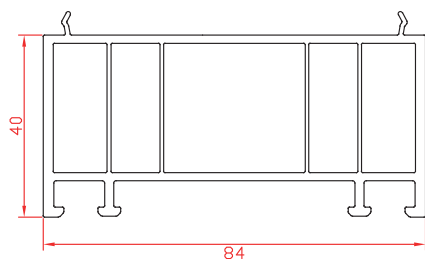
•18332
90° Box Profile



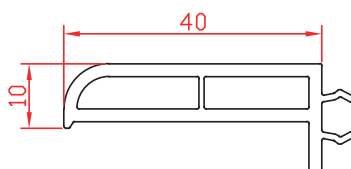
•18322
Corner Turn Pipe
Profile



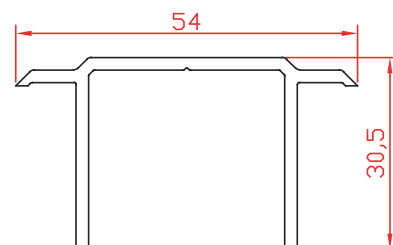
•18333
Corner Adapter
Profile



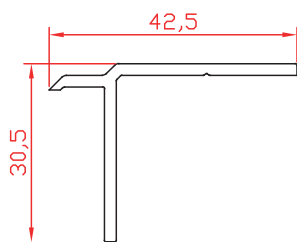
•18331
Frame Joint Profile



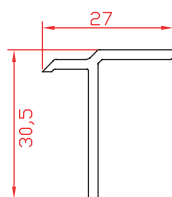
•18326
Decorative Casing
Profile



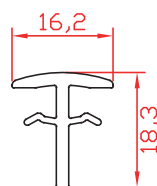
•18327
U Covering Profile



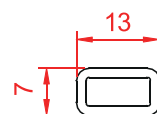
•18329
T Covering Profile



•18239
T Covering Profile

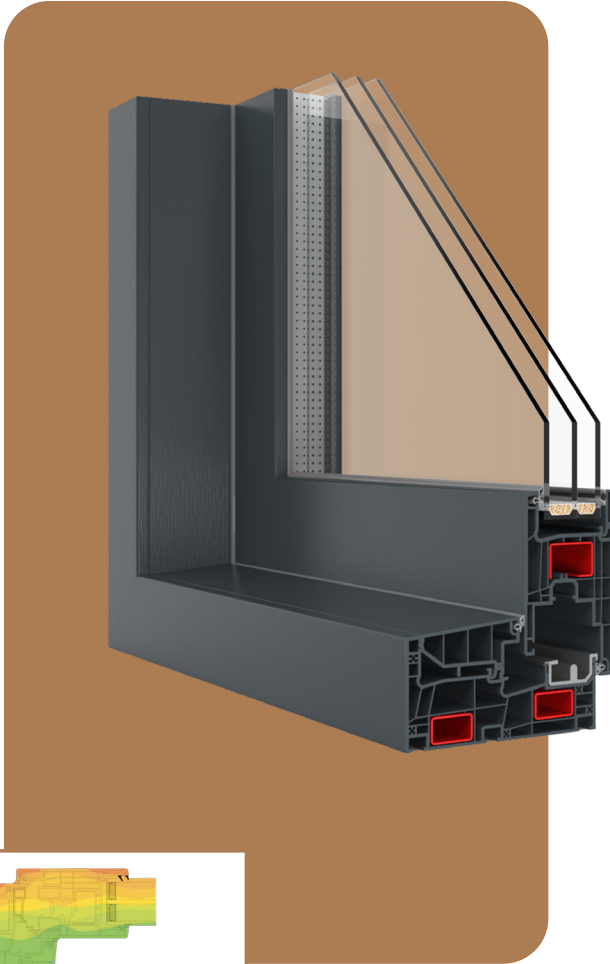


•18325
Decorative Coupling
Profile



•18324
Coupling Profile

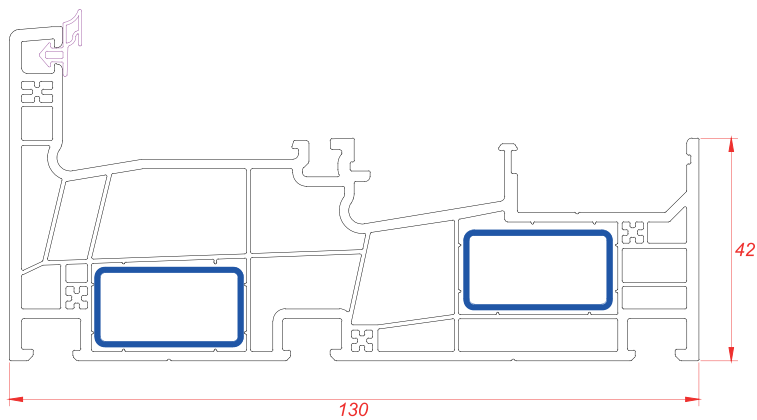
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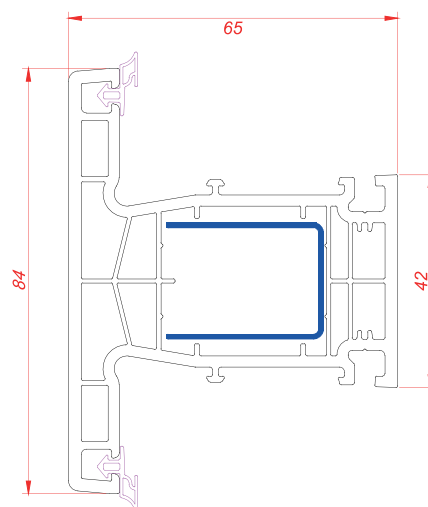
NOVA PREMIUM
SLIDING

Technical Specifications

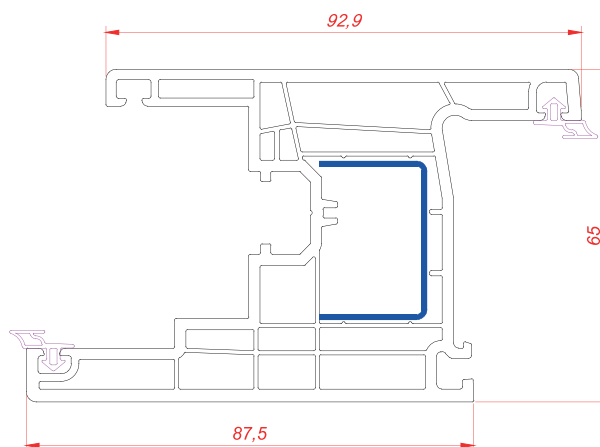
Profile Width	: 130 mm
Number of Chambers	: 7 Chambers
Number of Gaskets	: 3 Gaskets
Gasket Material	: TPE Gray / Black
Glazing Bead	: Single Leg with PCE Gasket
Glass Thicknesses	: 24/30/36/44 mm



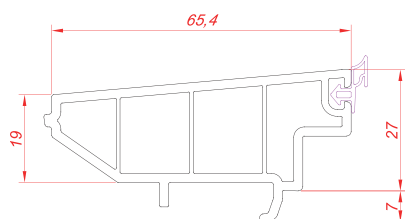
•21301
Frame Profile



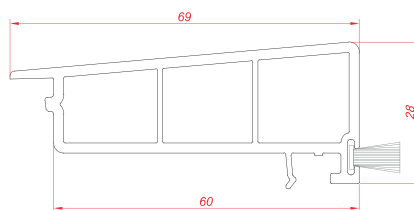
•21304
Sash Profile



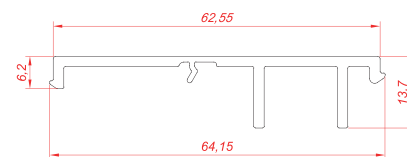
•21303
Mullion Profile



•21310
Frame Closing Profile

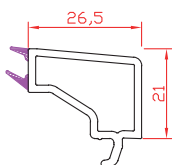


•21311
Sash Closing Profile

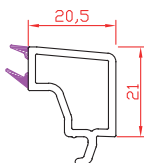


•21312
Frame Threshold Profile

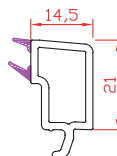
Glazing Beads



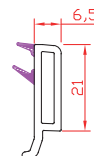
• 19724
24 mm Glazing Bead



• 19730
30 mm Glazing Bead

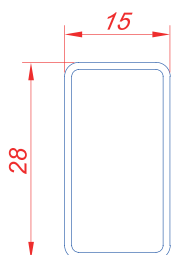


• 19736
36 mm Glazing Bead

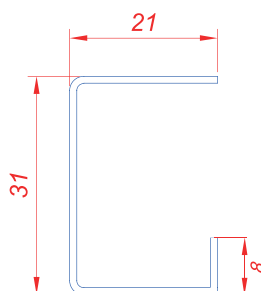


• 19744
44 mm Glazing Bead

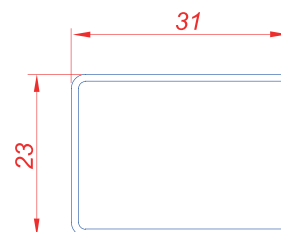
Reinforcement Steels



• 2.0 mm

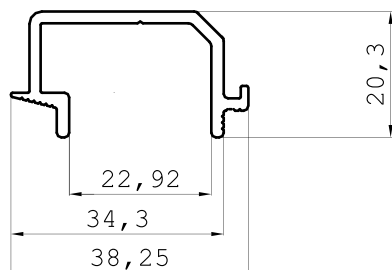


• 2.0 mm

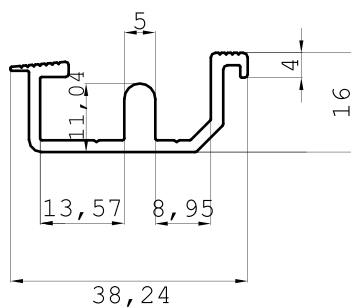


• 2.0 mm

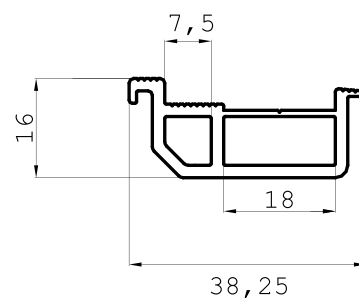
Aluminum Profiles



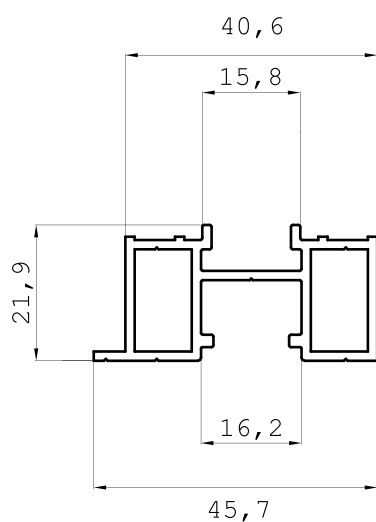
•18501
Aluminum Top Rail
Profile



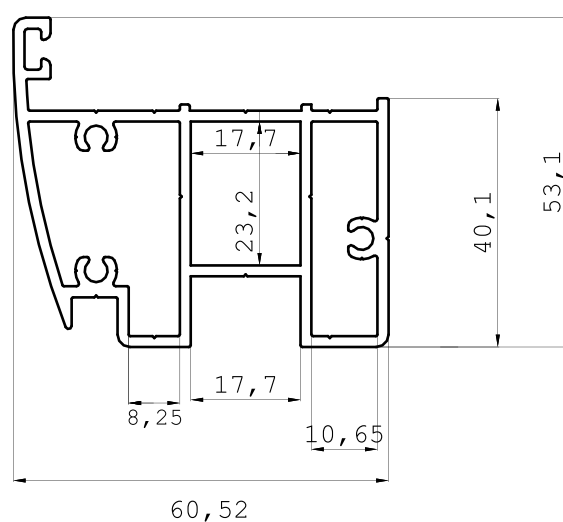
•18502
Bottom Rail Profile



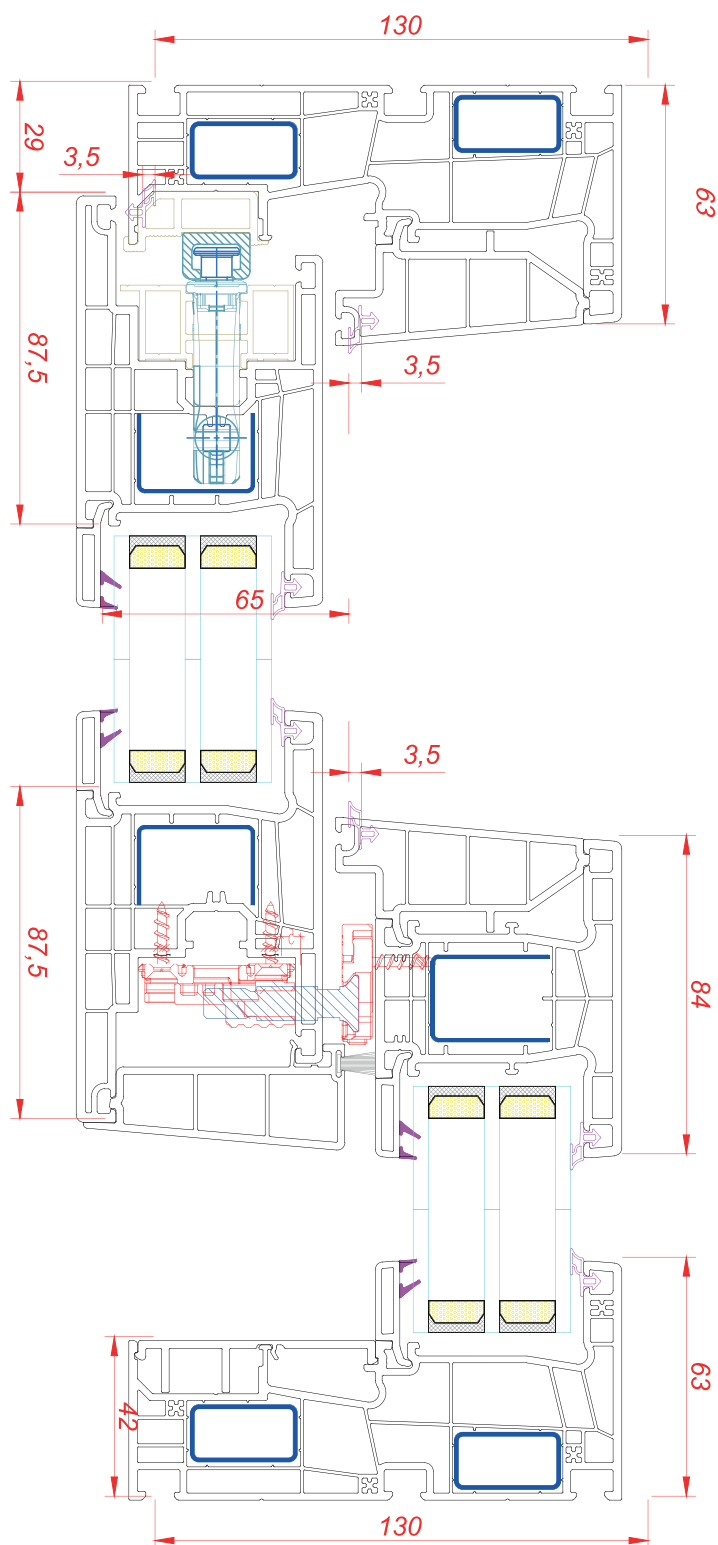
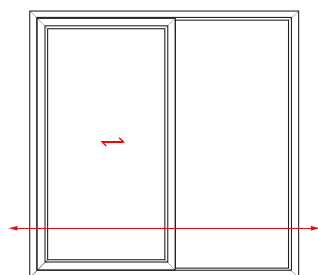
•18503
Aluminum Frame
Rosking Profile



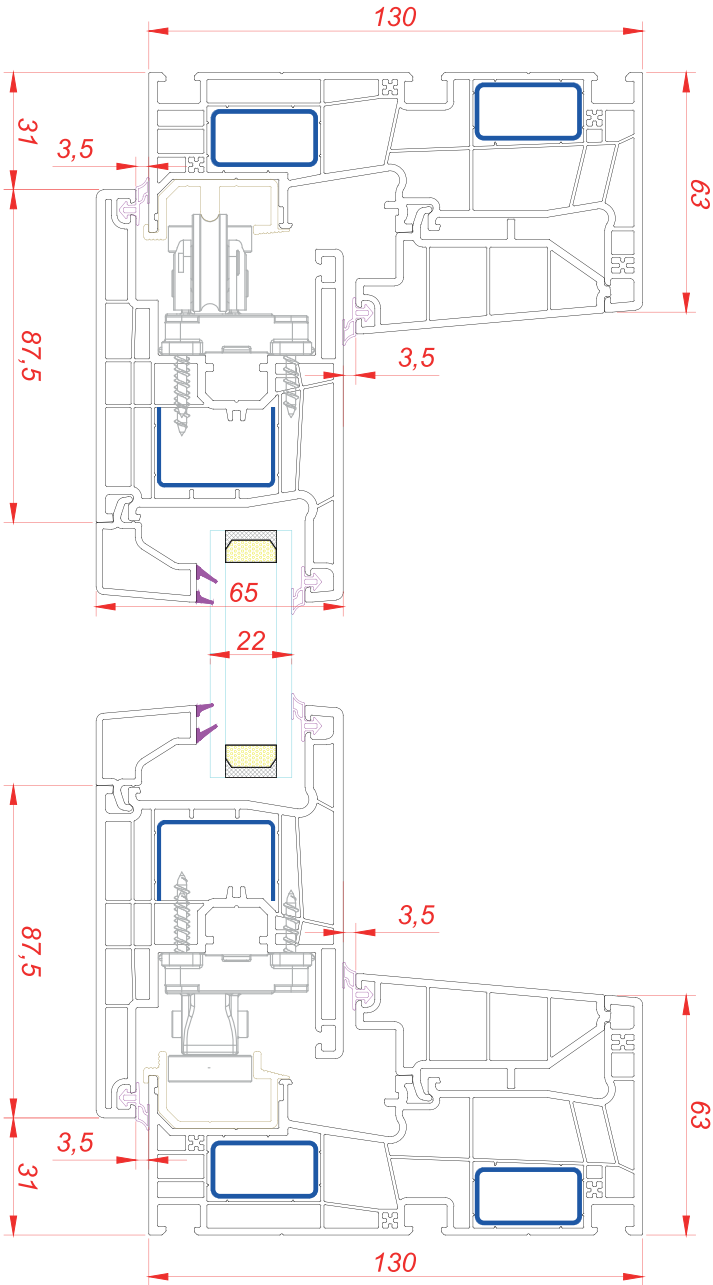
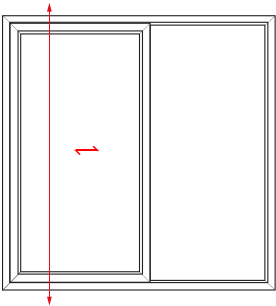
•18504
Aluminum Sash Locking



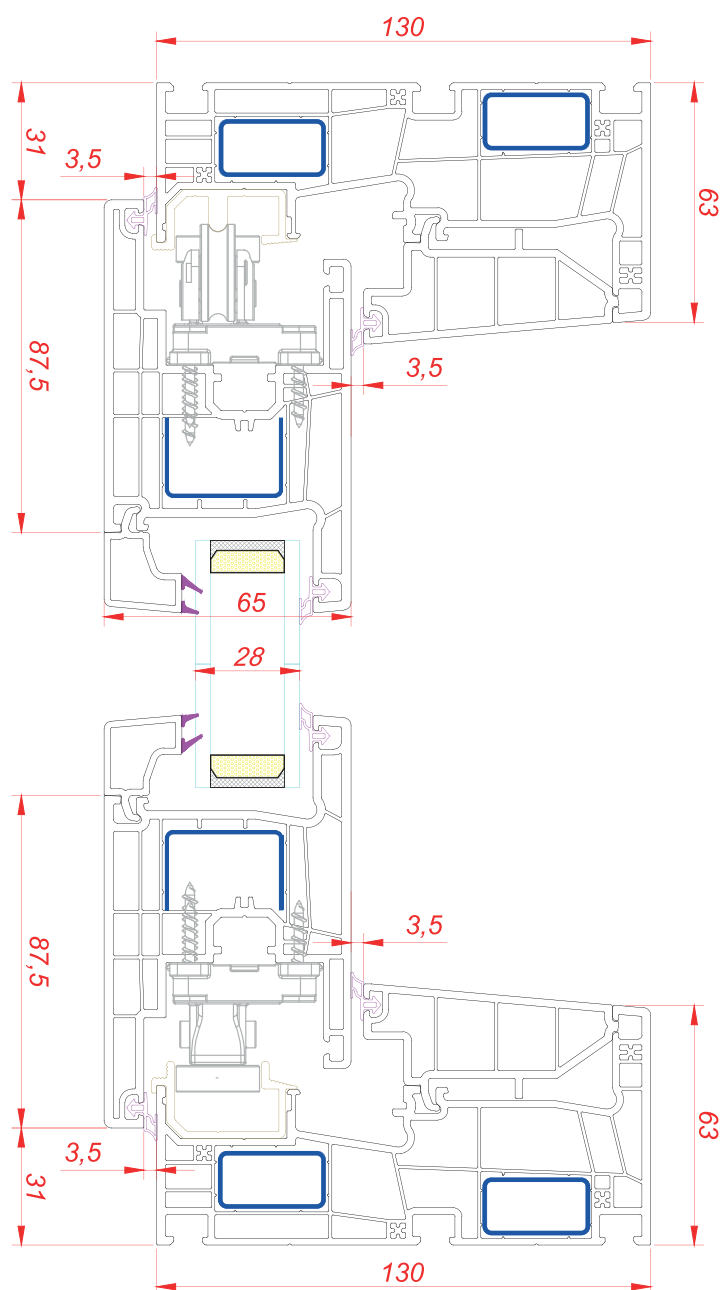
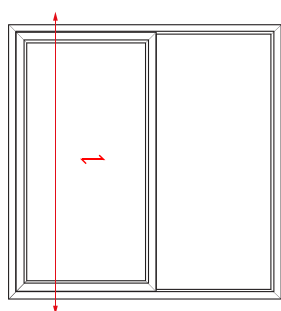
•18505
Aluminum Conneeton
Profile



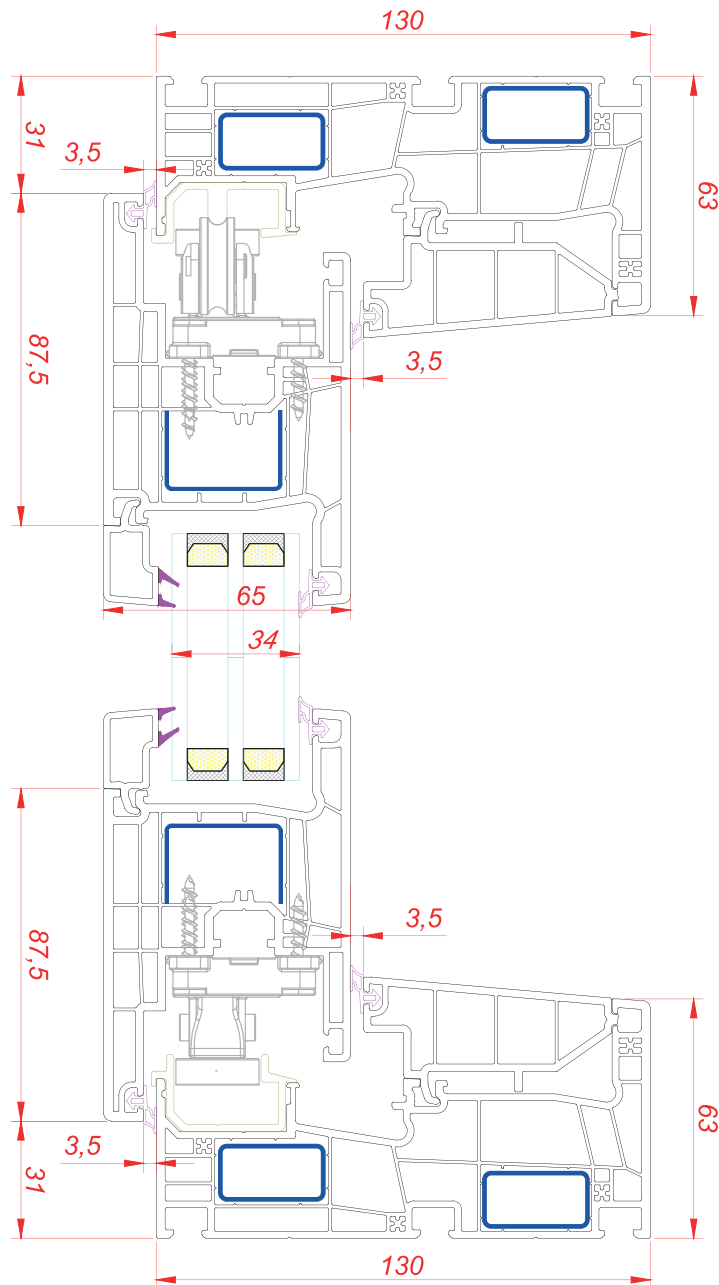
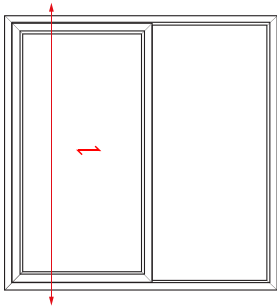
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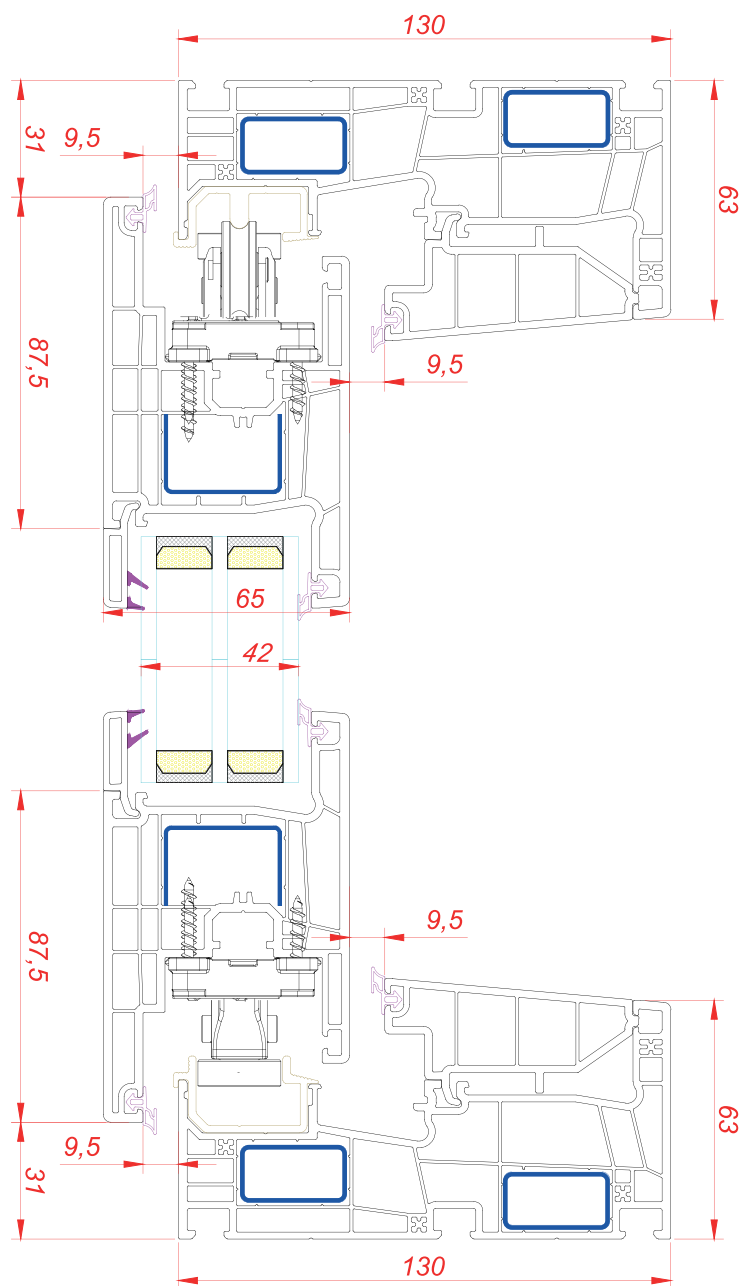
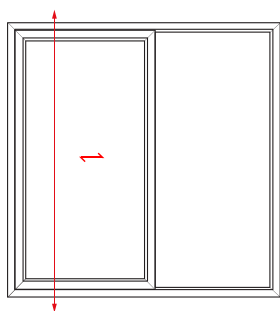
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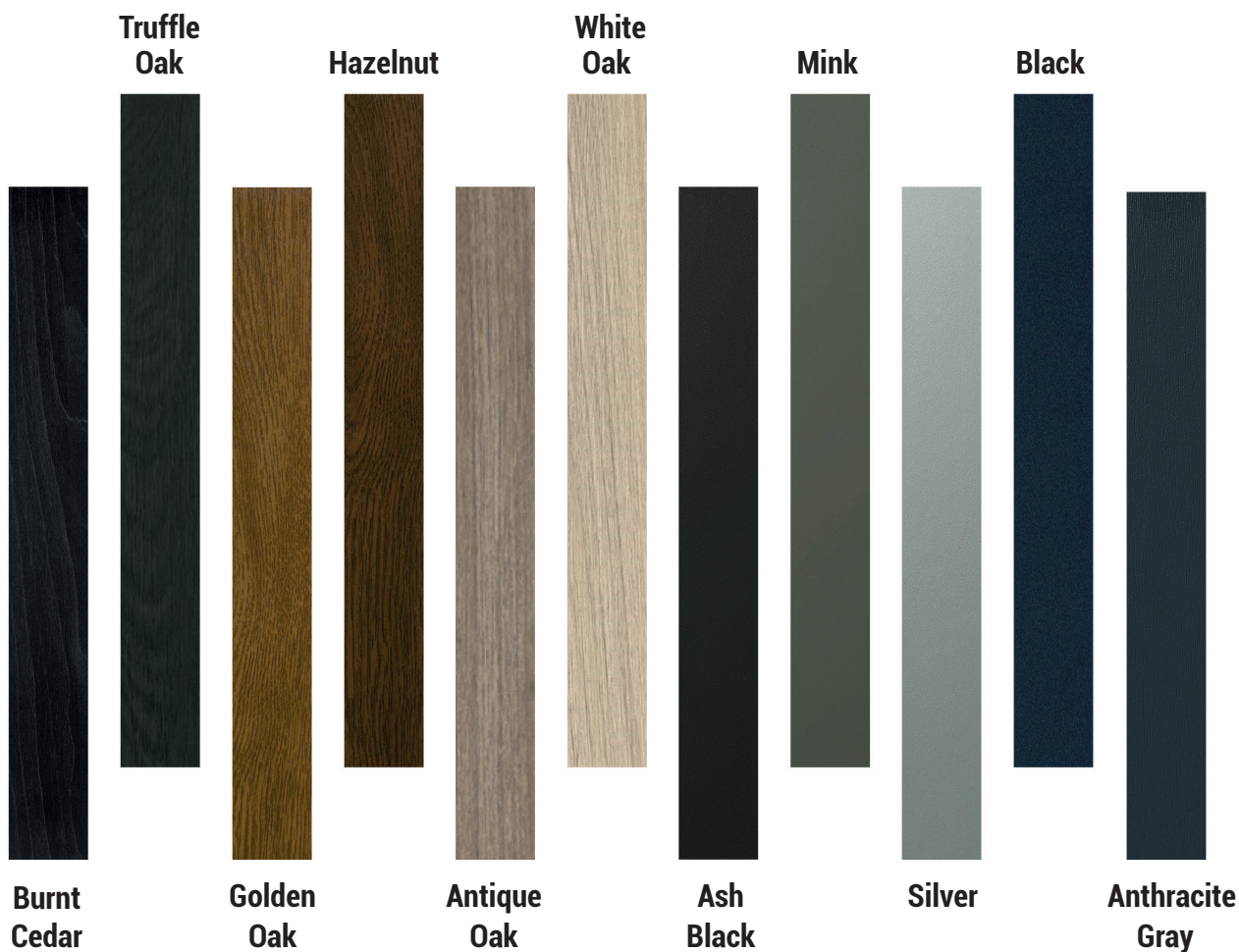
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Your Color
Your Window



Rely on it.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

[illegible]

[illegible]

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.

[illegible]

arka kapak içi “boş” baskısız olacak

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Afyonkarahisar/Türkiye
 - Cam Fabrikası:
Organize Sanayi Bölgesi 4. Cad. 3. Sk. No: 5
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