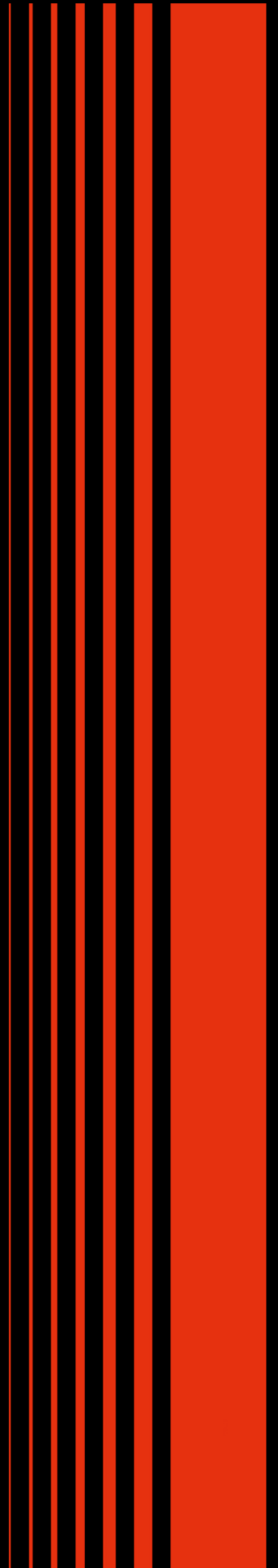
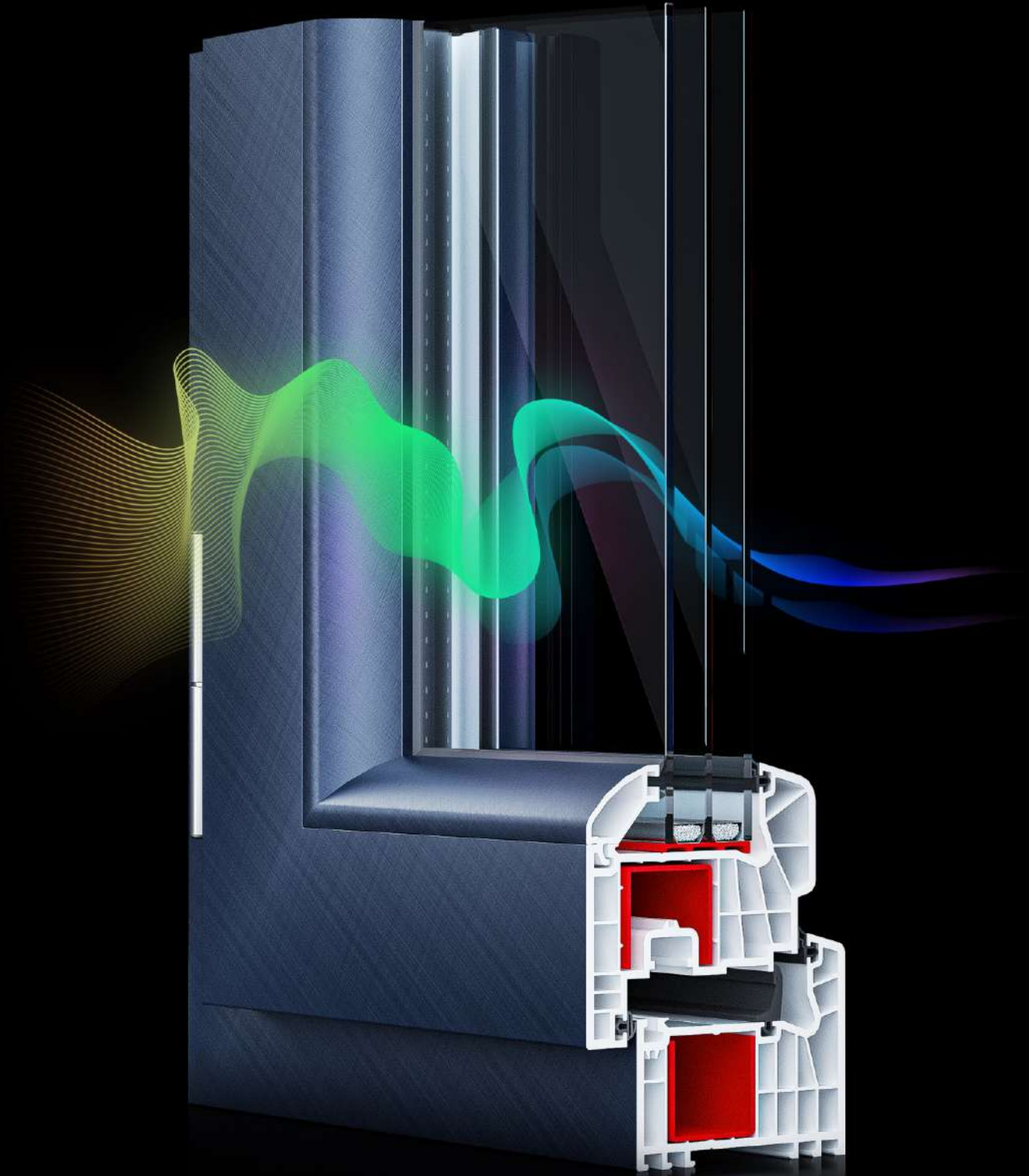




Engelberg[®] INFINITY

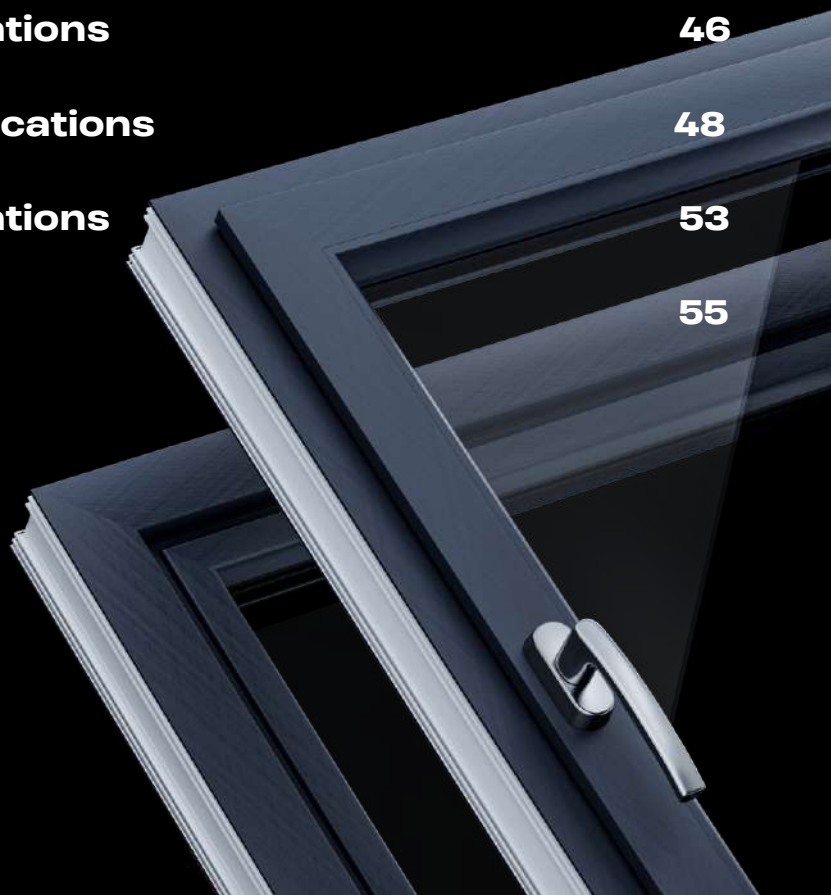
Architectural Technical Catalogue





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CERTIFICATES





Certificates of quality and conformity confirm that AKFA W&D products are safe, reliable, and meet all technical specifications.

Moreover, the company has adopted a quality management system according to ISO 9000:2015. The adoption of the international standard ensures that customers receive high quality products and service.



AKFA ASSEMBLY LLC.
Yangikhaet District, Str. Kipchak 2-lane, Building 100
Republic of Uzbekistan, Tashkent City
21

EN 14351-1:2006+A2:2016
Windows and Doors – Product Standard

PVC8000 Window System
Aluminum window and exterior window system designed for uses in houses and offices

Resistance to wind load – Test pressure : Class 4 (±1600)

Resistance to wind load – Deflection : Class C

Watertightness – Fully exposed (A) : Class 9A

Watertightness – Partially shielded (B) : npd

Height and Width – 1500 mm , 800 mm

Resistance to static torsion – Class 4 (350 N)

Acoustic performance – Rw (C ; Ctr) = 39 (-1 ; -4) dB

Thermal conductivity – Uw = 1,74 W/m²K

Air permeability – Class 4



CERTIFICATE




«CERT INTERNATIONAL» s.r.o. certification body basing on the results of the audit conducted in accordance with certification procedures confirms that the integrated management system of:

JV «AKFA EXTRUSIONS» LLC

with production sites (see Annex)

FEZ Navoi, Karmana district,
Navoi region, 210609, Republic of Uzbekistan

within the scope:

**Production of aluminum and polyvinyl chloride (PVC) profiles,
as well as components for window and door blocks**

meets the requirements of the following standards:

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

Certificate №: IMS-041/C
Order №: 665/05
Valid from: 01.12.2022
Valid till: 14.11.2024
(subject to annual surveillance audits)




Head
of the Certification Body
01.12.2022

Status of the certificate can be tracked by QR-code or from request to the Certification body CERT International s.r.o.
© 070211, Bucharovskiy AA, 83-12 Barmahon Navoiy Region, Sirokat
Tel: +4203304970, www.certglobal.org, info@certglobal.org



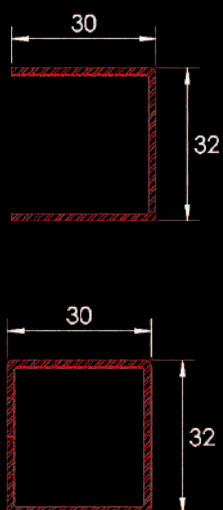
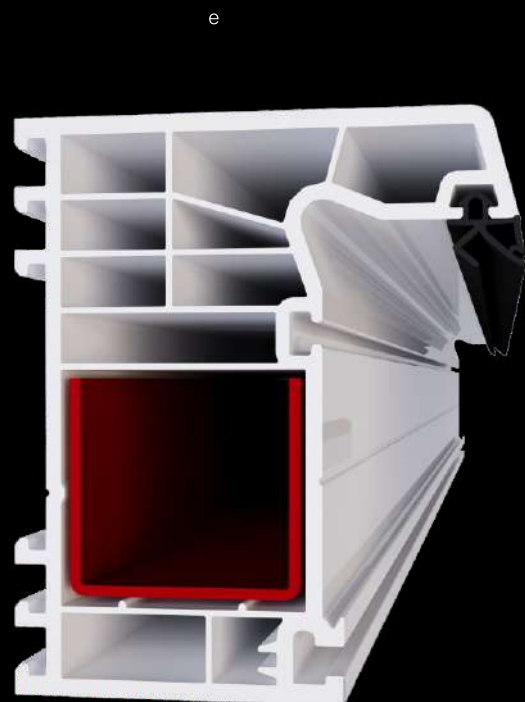
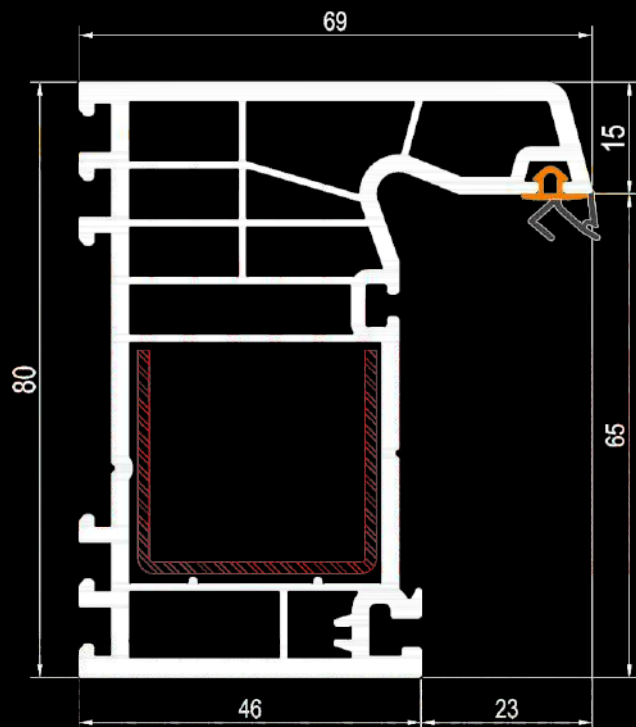
TECHNICAL PROPERTIES

FRAME WIDTH	80 mm
FRAME HEIGHT INSIDE - OUTSIDE	46 / 69 mm
MULLION WIDTH INSIDE - OUTSIDE	45 / 91 mm
SASH WIDTH STANDARD - SELF DRAINAGE	60 - 63 mm
WINDOW SASH HEIGHT INSIDE - OUTSIDE / TOTAL	60 - 63 / 83 mm
GLASS THICKNESS	24mm / 32 mm / 42mm
NUMBER OF CHAMBER FOR FRAME PROFILES	6
NUMBER OF CHAMBER FOR SASH PROFILES	6
NUMBER OF CHAMBER FOR MULLION PROFILES	6

GENERAL FEATURES

- * Possibility to use the same reinforcement profile for frame, sash and mullion profile.
- * 6-chamber profile designs allow the use of 24mm, 32mm and 42mm glass.
- * Long-lasting PVC profile systems provide significant benefits in terms of environment and economy, as well as heat and sound insulation.
- * In this self-sealed profile system, corners can be welded using TPV gasket, thus providing a high degree of detachability.
- * The additional third seal on frames and mullion profiles allow the use of EPDM gasket.
- * It provides the advantage of fast production thanks to its self-sealing profile.

CLASS-B
PTG.80.F0001 **FRAME PROFILE**

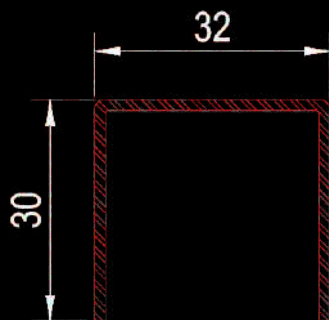
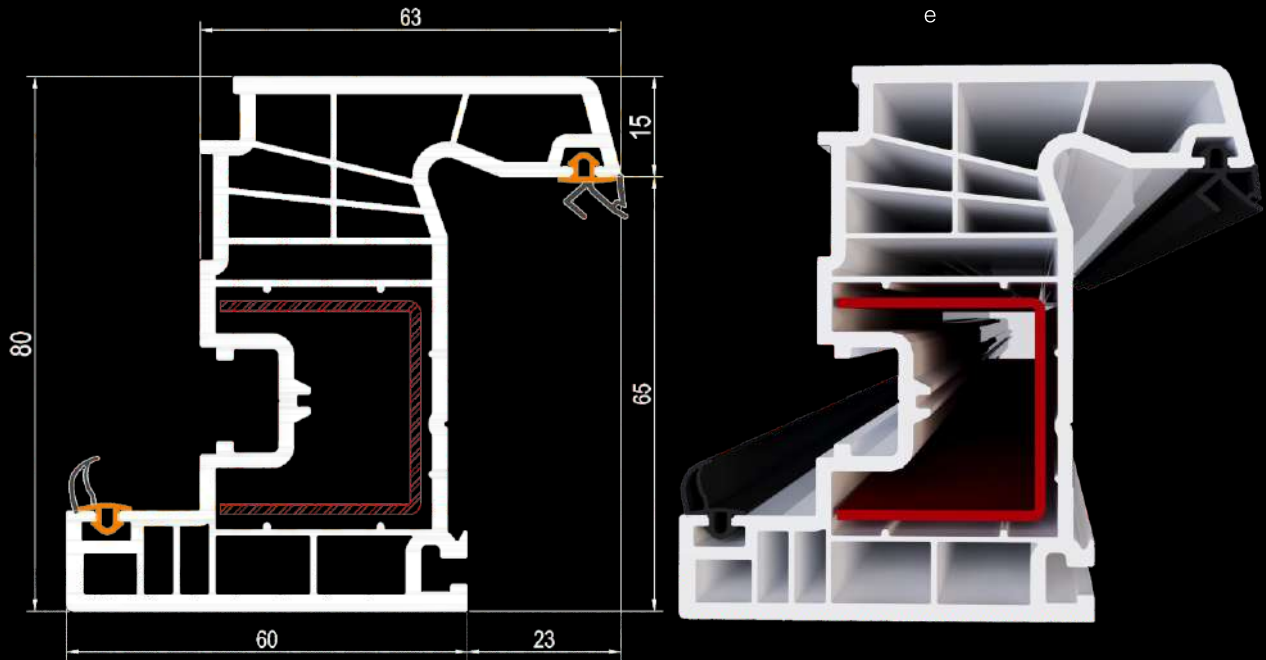


Product Code	Thickness	Moment of Inertia	
	S (mm)	Ix (cm ⁴)	Iy (cm ⁴)
CLR77.W890-1	1	0,00	0,00
CLR77.W890-2	1,25	1,07	2,03
CLR77.W890-3	1,5	1,26	2,38
CLR77.W890-4	2,0	1,63	3,03
CLR77.W891-1	1	0,00	0,00
CLR77.W891-2	1,25	2,07	2,29
CLR77.W891-3	1,5	2,40	2,66
CLR77.W891-4	2,0	3,03	3,36

TMS.WMS.29198



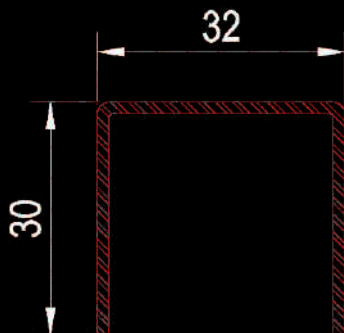
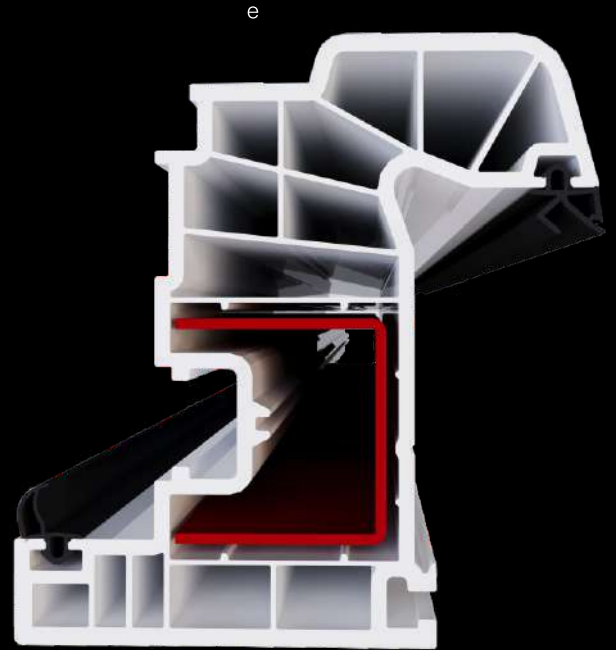
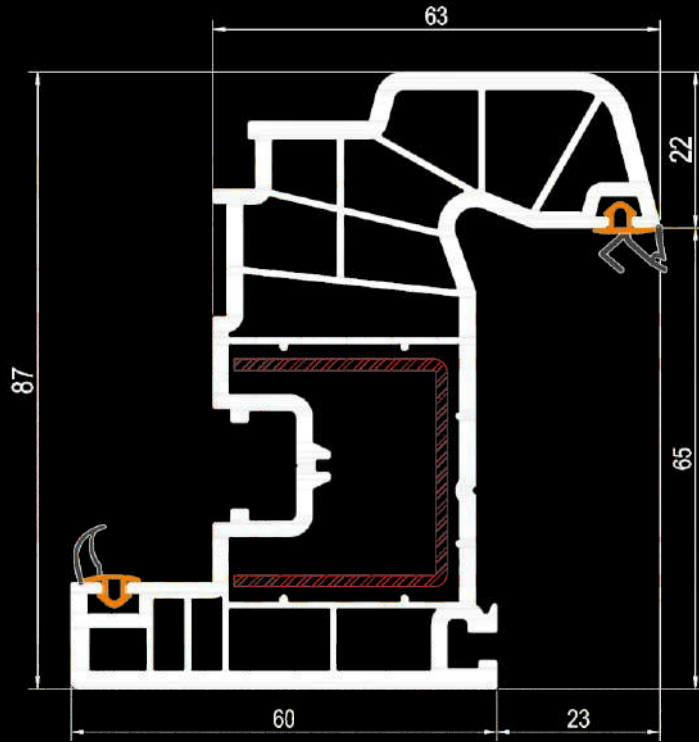
SASH PROFILE CLASS-B PTG.80.V0002



Product Code	Thickness	Moment of Inertia	
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CLR77.W890-2	1,25	2,03	1,07
CLR77.W890-3	1,5	2,38	1,26
CLR77.W890-4	2,0	3,03	1,63

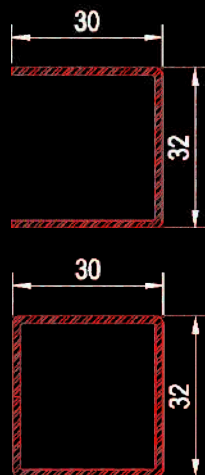
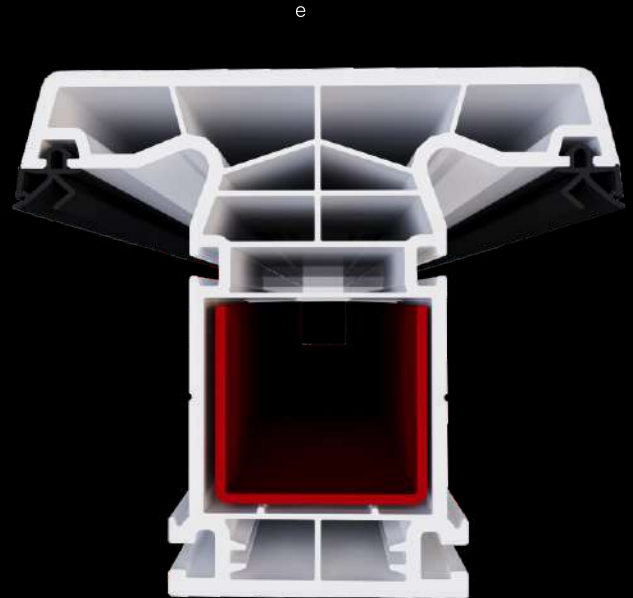
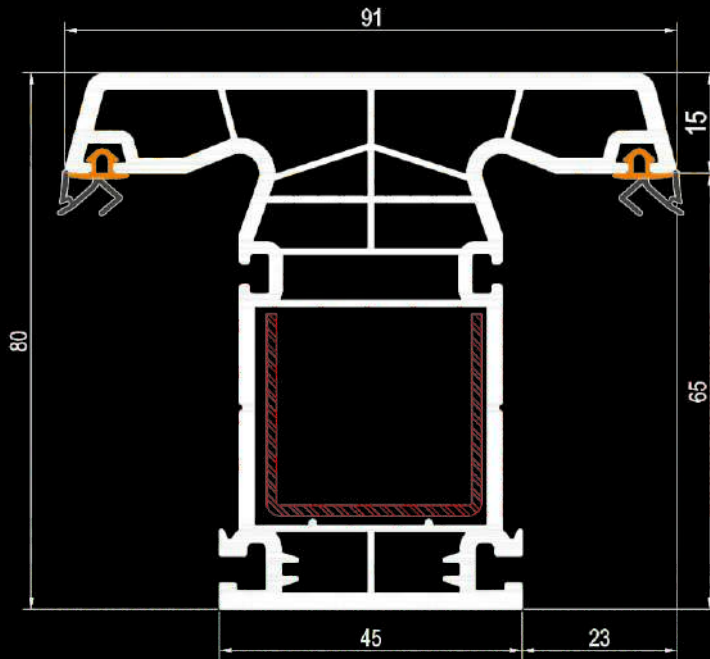
CLASS-B
PTG.80.V0001

OFFSET TYPE SASH PROFILE



Product Code	Thickness	Moment of Inertia	
	S (mm)	I _x (cm ⁴)	I _y (cm ⁴)
CLR77.W890-1	1	0,00	0,00
CLR77.W890-2	1,25	2,03	1,07
CLR77.W890-3	1,5	2,38	1,26
CLR77.W890-4	2,0	3,03	1,63

MULLION PROFILE CLASS-B PTG.80.M0001



Product Code	Thickness	Moment of Inertia	
	S (mm)	Ix (cm ⁴)	Iy (cm ⁴)
CLR77.W890-1	1	0,00	0,00
CLR77.W890-2	1,25	1,07	2,03
CLR77.W890-3	1,5	1,26	2,38
CLR77.W890-4	2,0	1,63	3,03
CLR77.W891-1	1	0,00	0,00
CLR77.W891-2	1,25	2,07	2,29
CLR77.W891-3	1,5	2,40	2,66
CLR77.W891-4	2,0	3,03	3,36

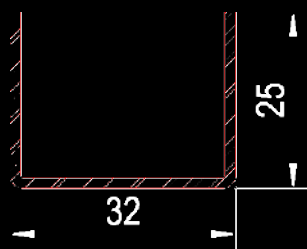
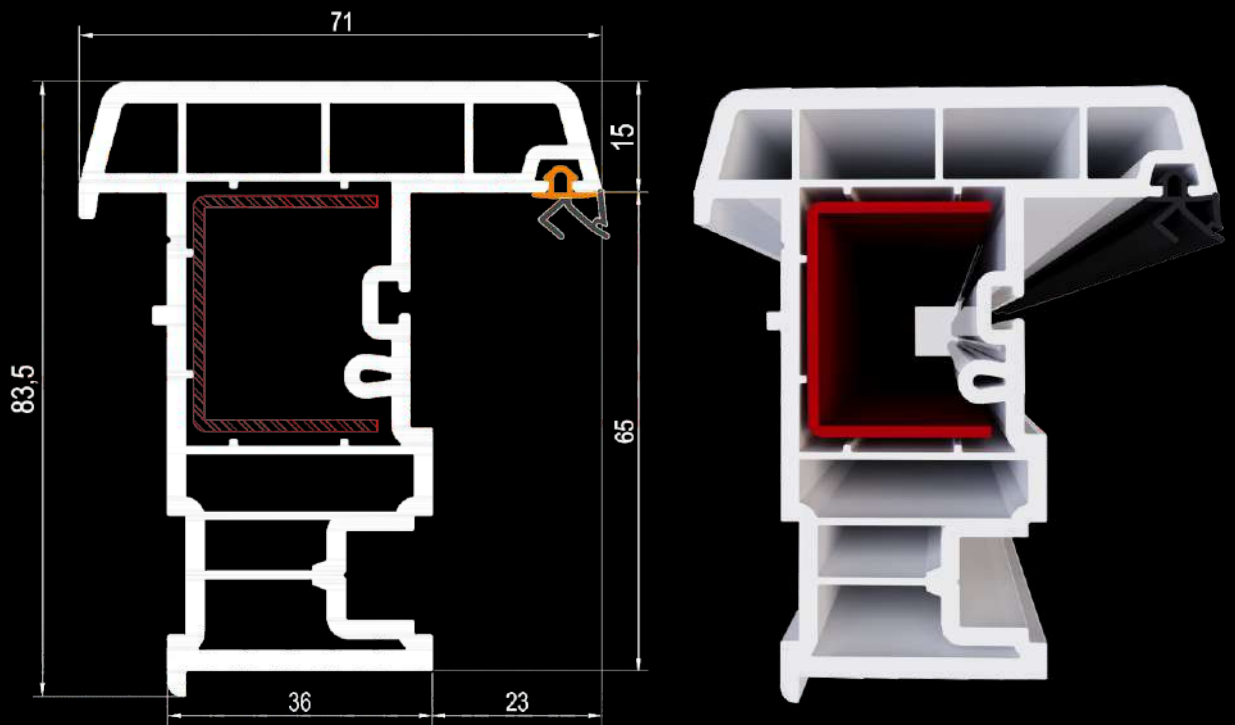
ACS.033.IMP-7006



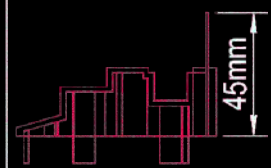
TMS.WMS.29198



CLASS-B
PTG.80.A0001 **MOVABLE MULLION PROFILE**



Product Code	Thickness	Moment of Inertia	
	S (mm)	I _x (cm ⁴)	I _y (cm ⁴)
CLR77.W201-1	1	0,00	0,00
CLR77.W201-2	1,25	1,74	0,65
CLR77.W201-3	1,5	2,03	0,77
CLR77.W201-4	2,0	2,58	0,99



DOUBLE GLAZING BEAD 24MM

PTG.80.G0001



TRIPLE GLAZING BEAD 32MM

PTG.80.G0002



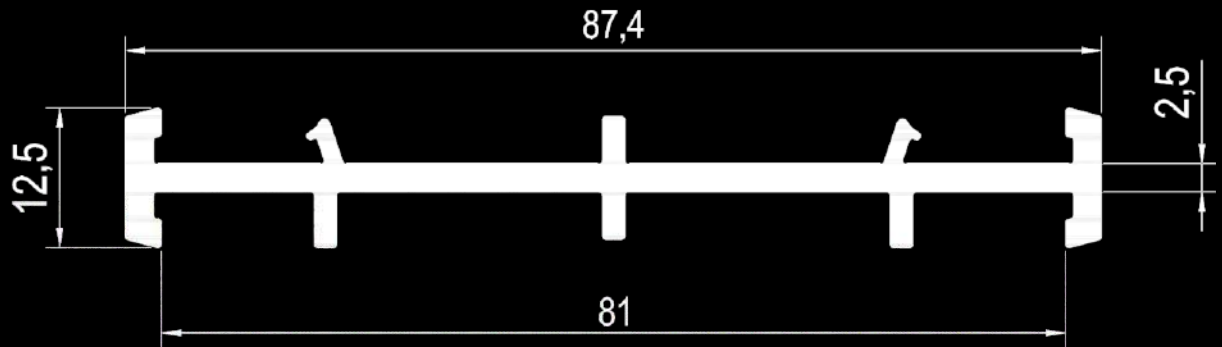
TRIPLE GLAZING BEAD 42MM

PTG.76.G0002



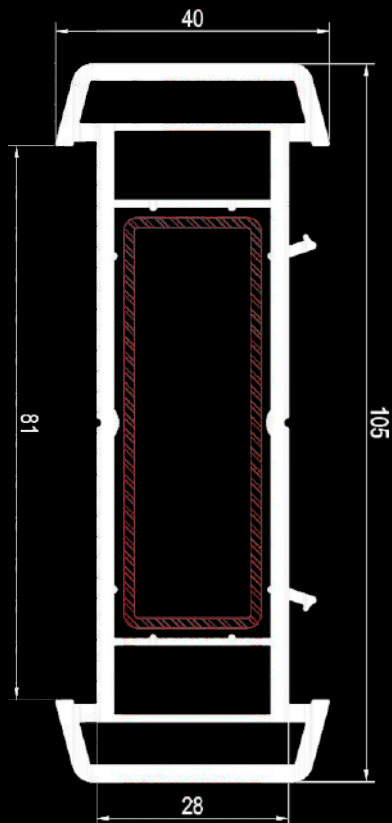
NARROW COUPLING PROFILE

PTG.80.A0004



WIDE COUPLING PROFILE

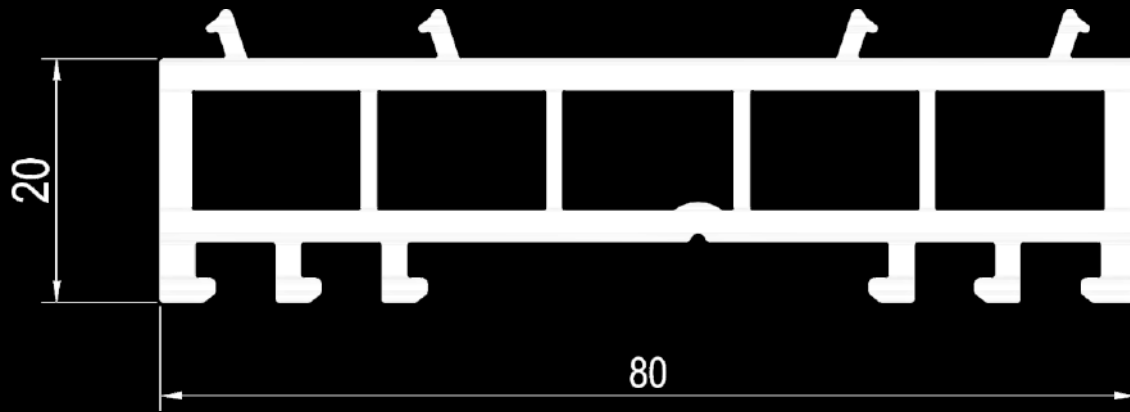
PTG.80.A0005



Product Code	Thickness	Moment of Inertia	
	S (mm)	I _x (cm ⁴)	I _y (cm ⁴)
CLR77.W50-1	1	0,00	0,00
CLR77.W50-2	1,25	1,40	8,01
CLR77.W50-3	1,5	1,64	9,48
CLR77.W50-4	2,0	2,06	12,28

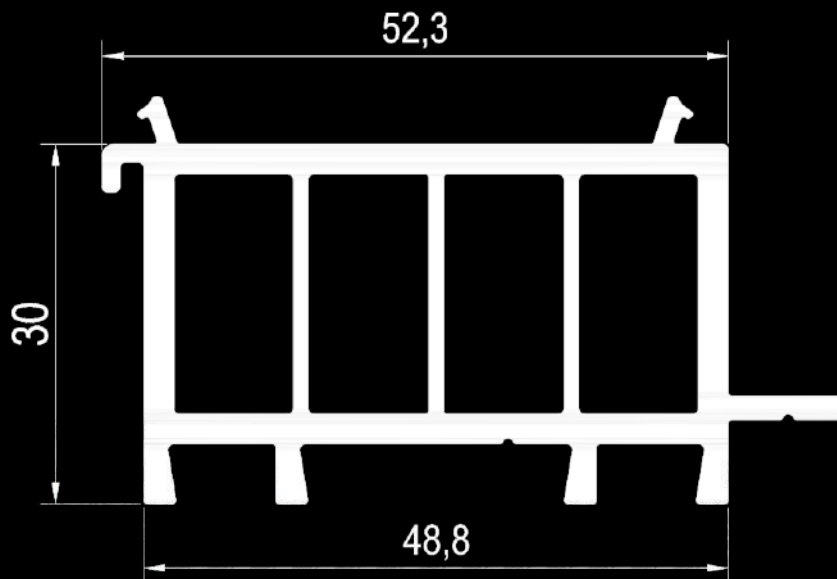
EXTENTION PROFILE

PTG.80.A0006



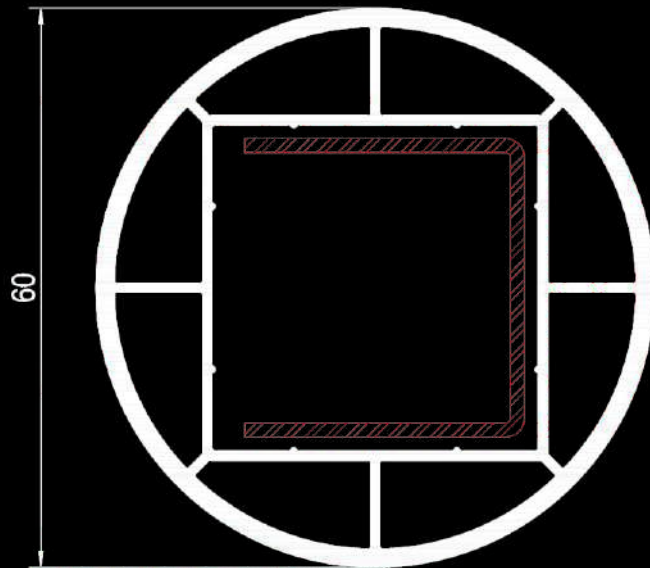
FRAME LIFTING PROFILE

PTG.80.A0007



CORNER PIPE PROFILE

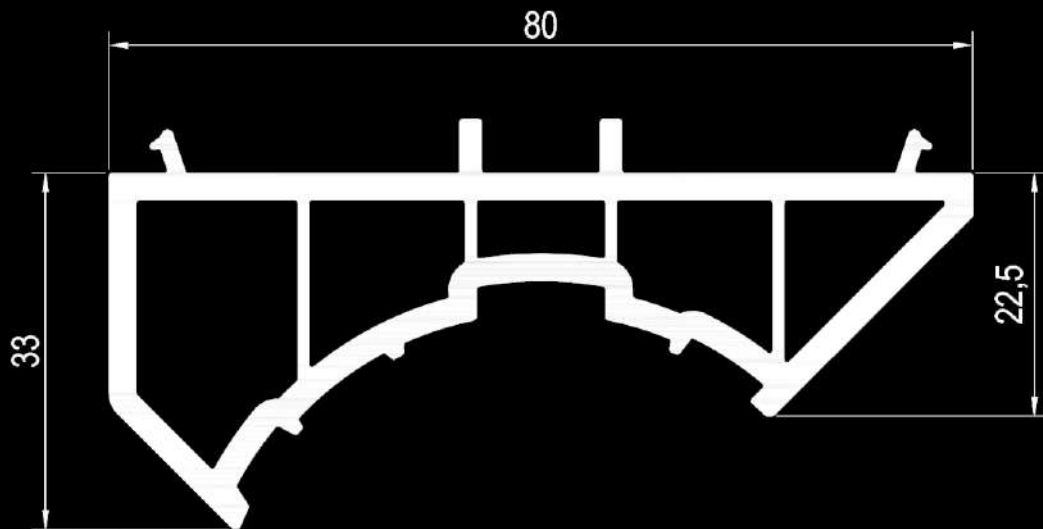
PT3.60.A0006



Product Cod	Thickness	Moment of Inertia	
	S (mm)	Ix (cm ⁴)	Iy (cm ⁴)
CLR77.W890-1	1	0,00	0,00
CLR77.W890-2	1,25	1,07	2,03
CLR77.W890-3	1,5	1,26	2,38
CLR77.W890-4	2,0	1,63	3,03
CLR77.W891-1	1	0,00	0,00
CLR77.W891-2	1,25	2,07	2,29
CLR77.W891-3	1,5	2,40	2,66
CLR77.W891-4	2,0	3,03	3,36

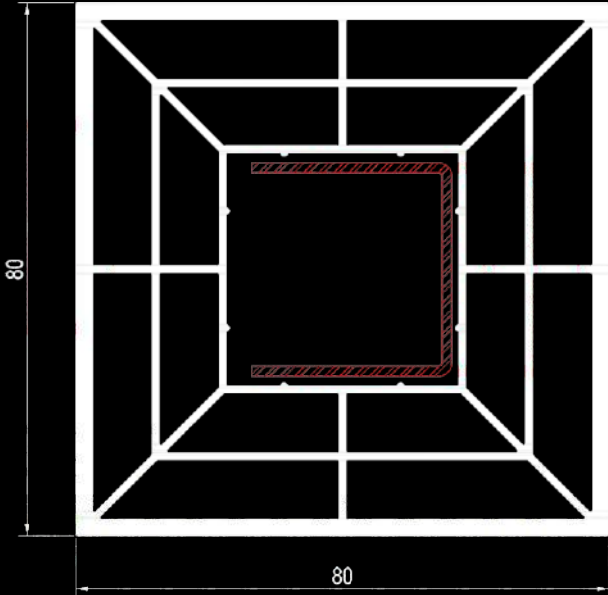
ANGLED CORNER PROFILE

PTG.80.A0002



CORNER BOX PROFILE

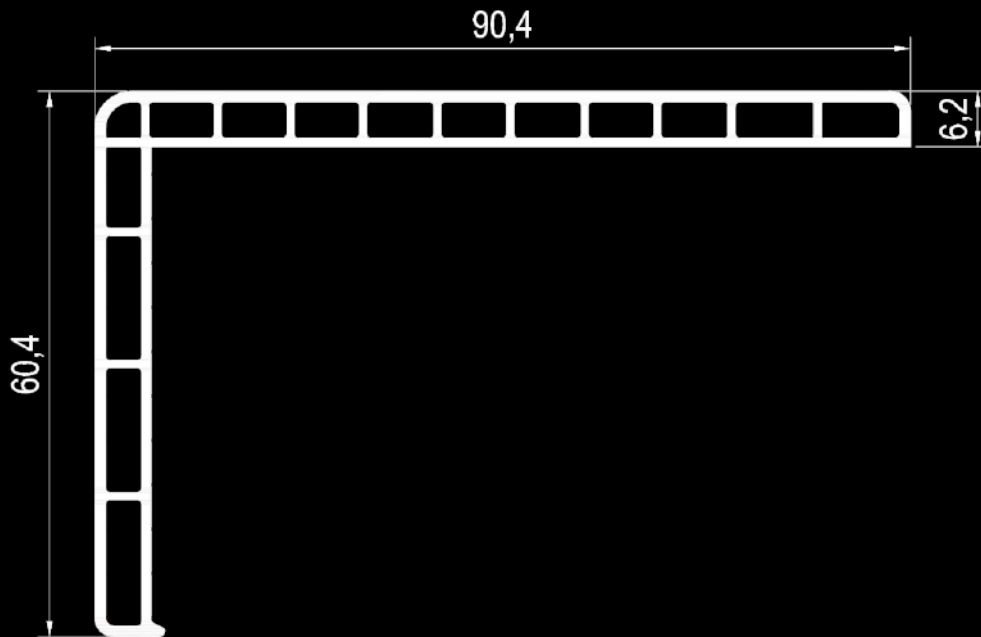
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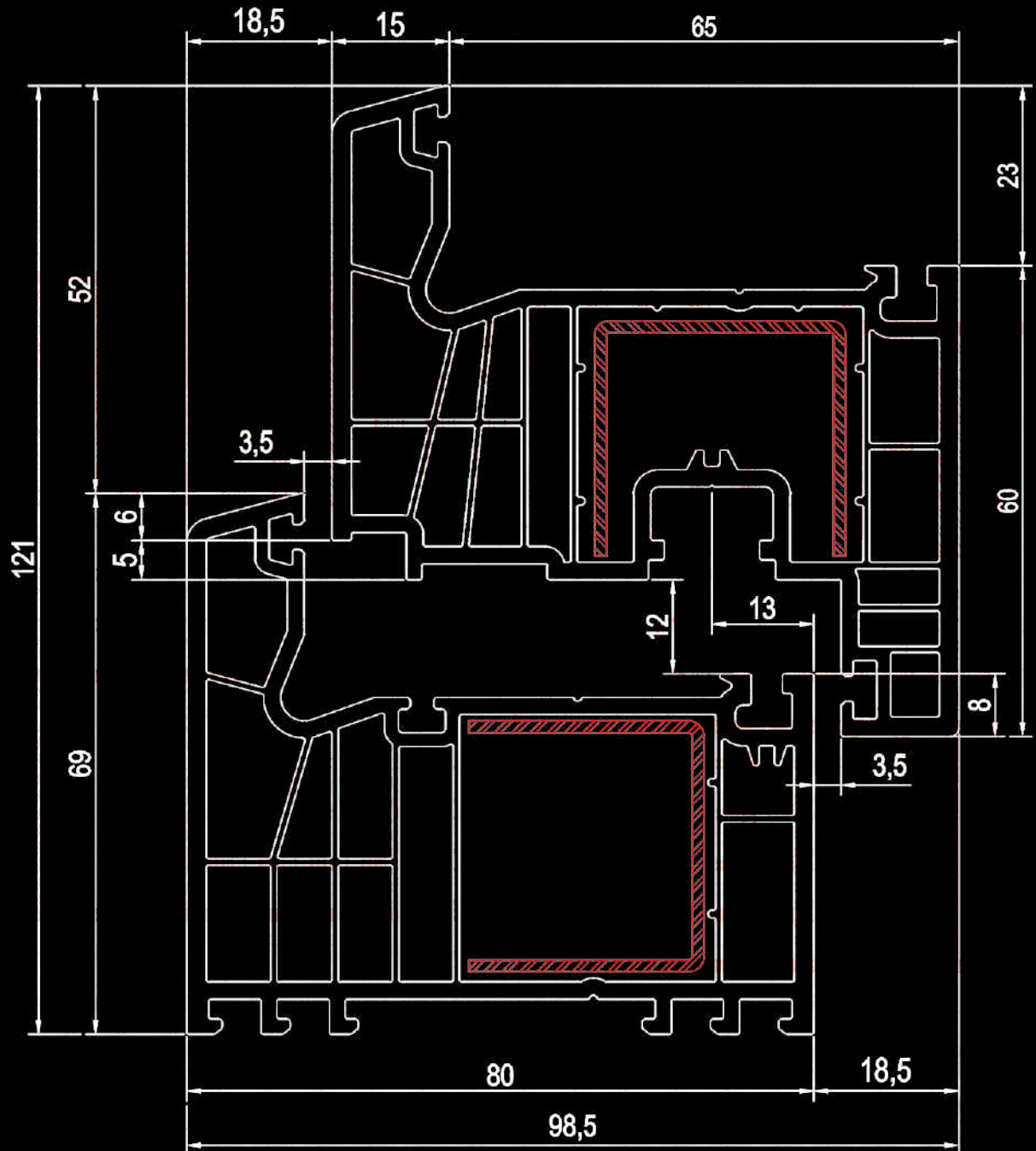
Product Code	Thickness	Moment of Inertia	
	S (mm)	Ix (cm ⁴)	Iy (cm ⁴)
CLR77.W890-1	1	0,00	0,00
CLR77.W890-2	1,25	1,07	2,03
CLR77.W890-3	1,5	1,26	2,38
CLR77.W890-4	2,0	1,63	3,03
CLR77.W891-1	1	0,00	0,00
CLR77.W891-2	1,25	2,07	2,29
CLR77.W891-3	1,5	2,40	2,66
CLR77.W891-4	2,0	3,03	3,36

MASKING PROFILE

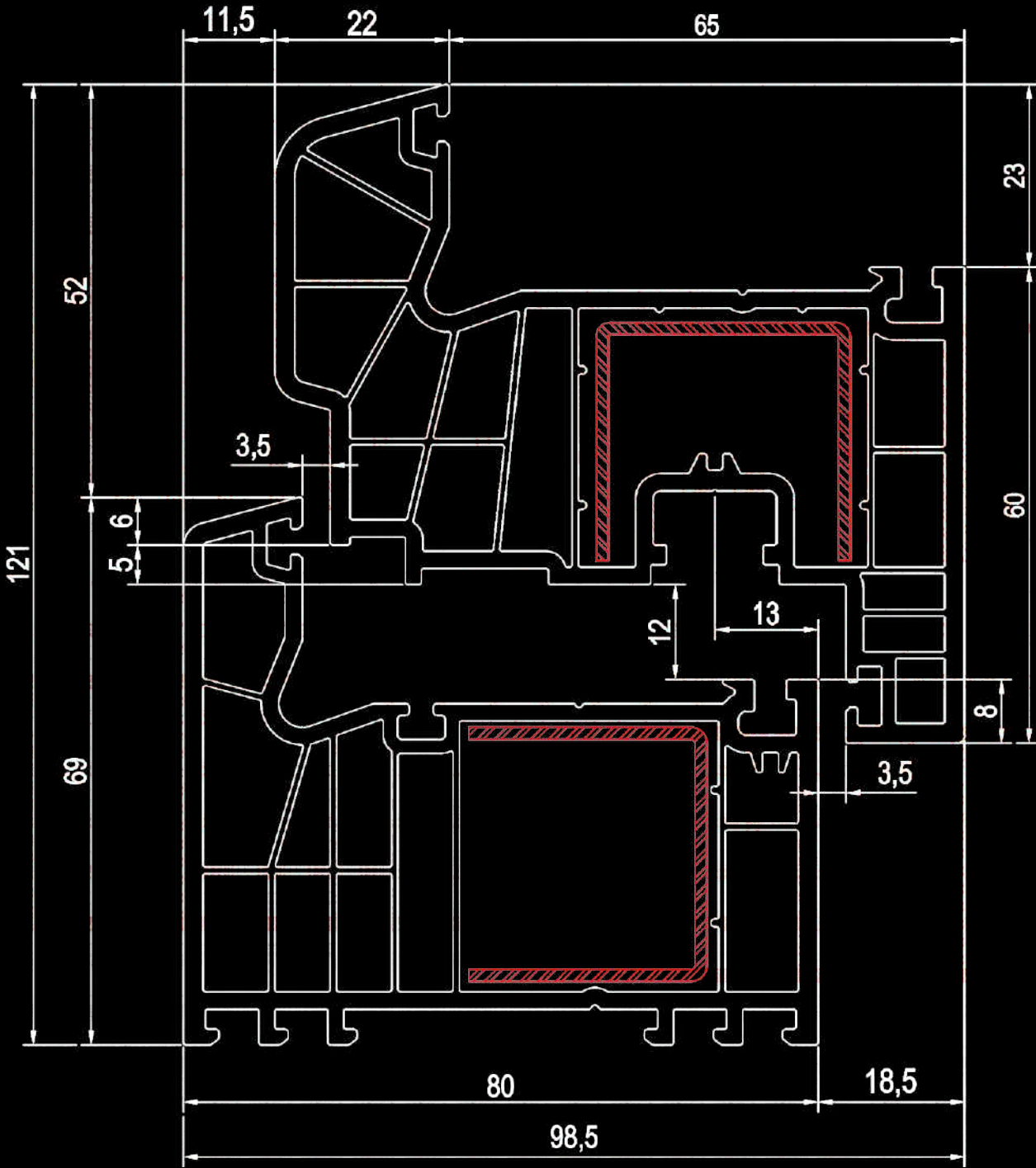
PVF.CP.F0001



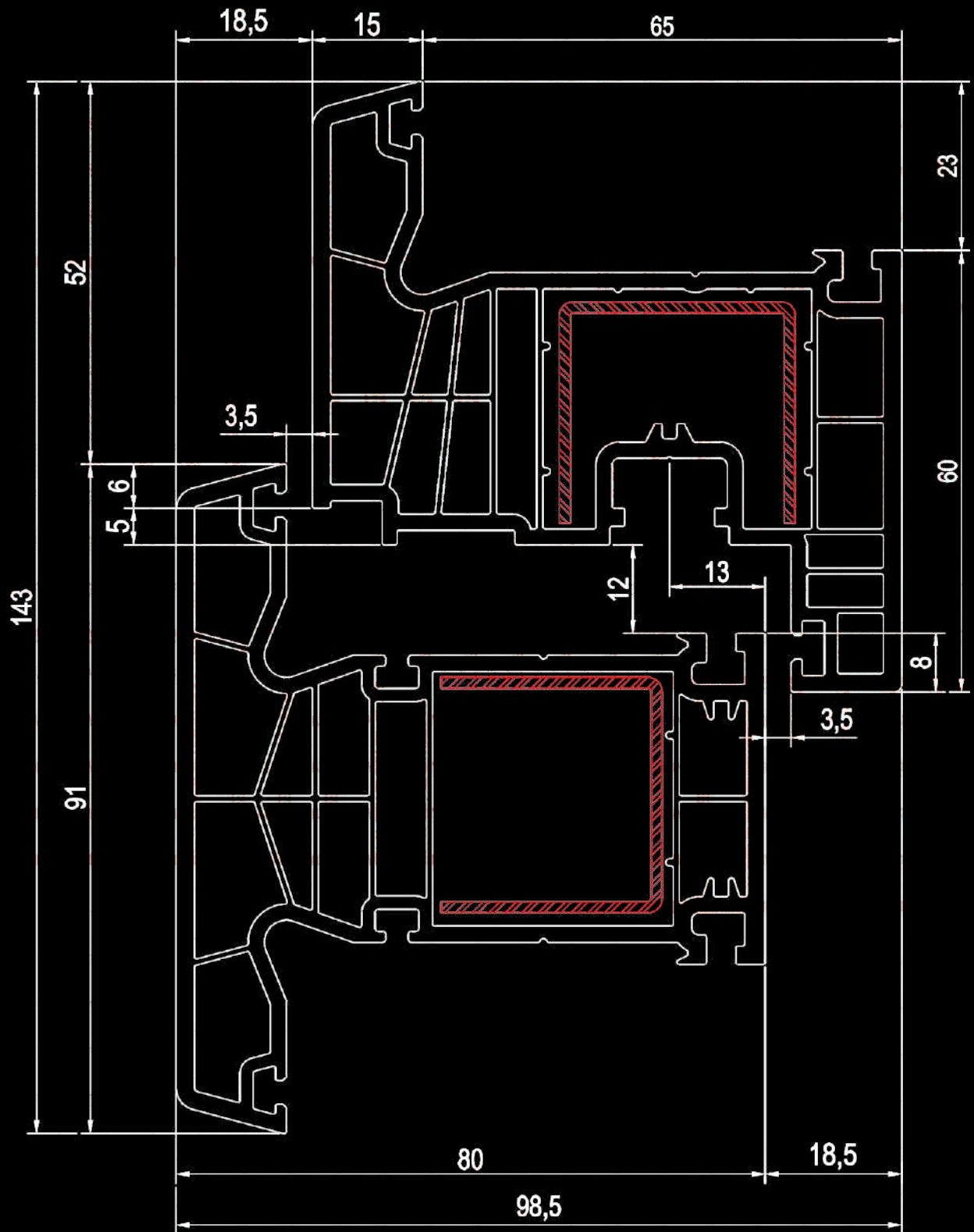
DIMENSIONED SECTION DETAILS



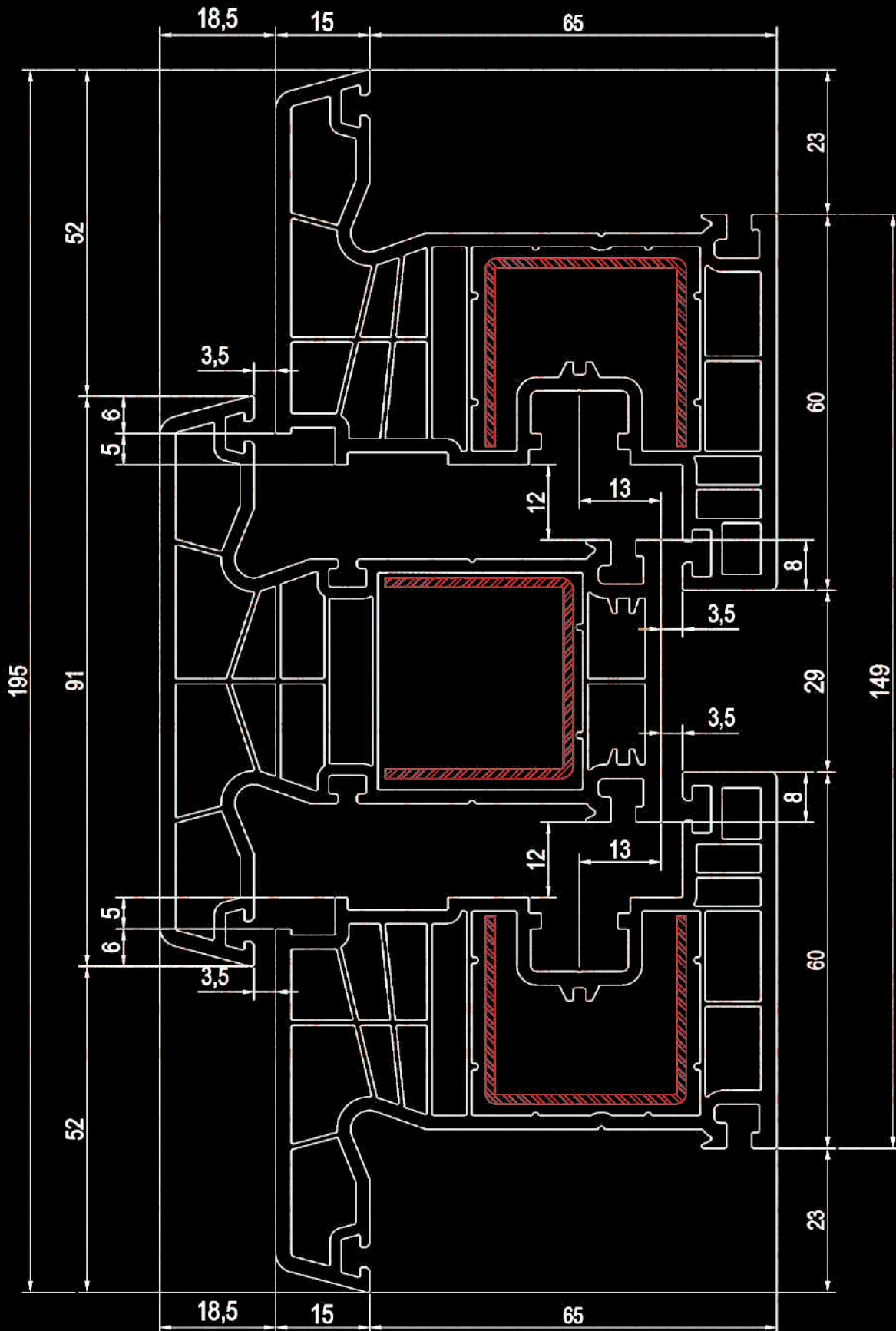
DIMENSIONED SECTION DETAILS



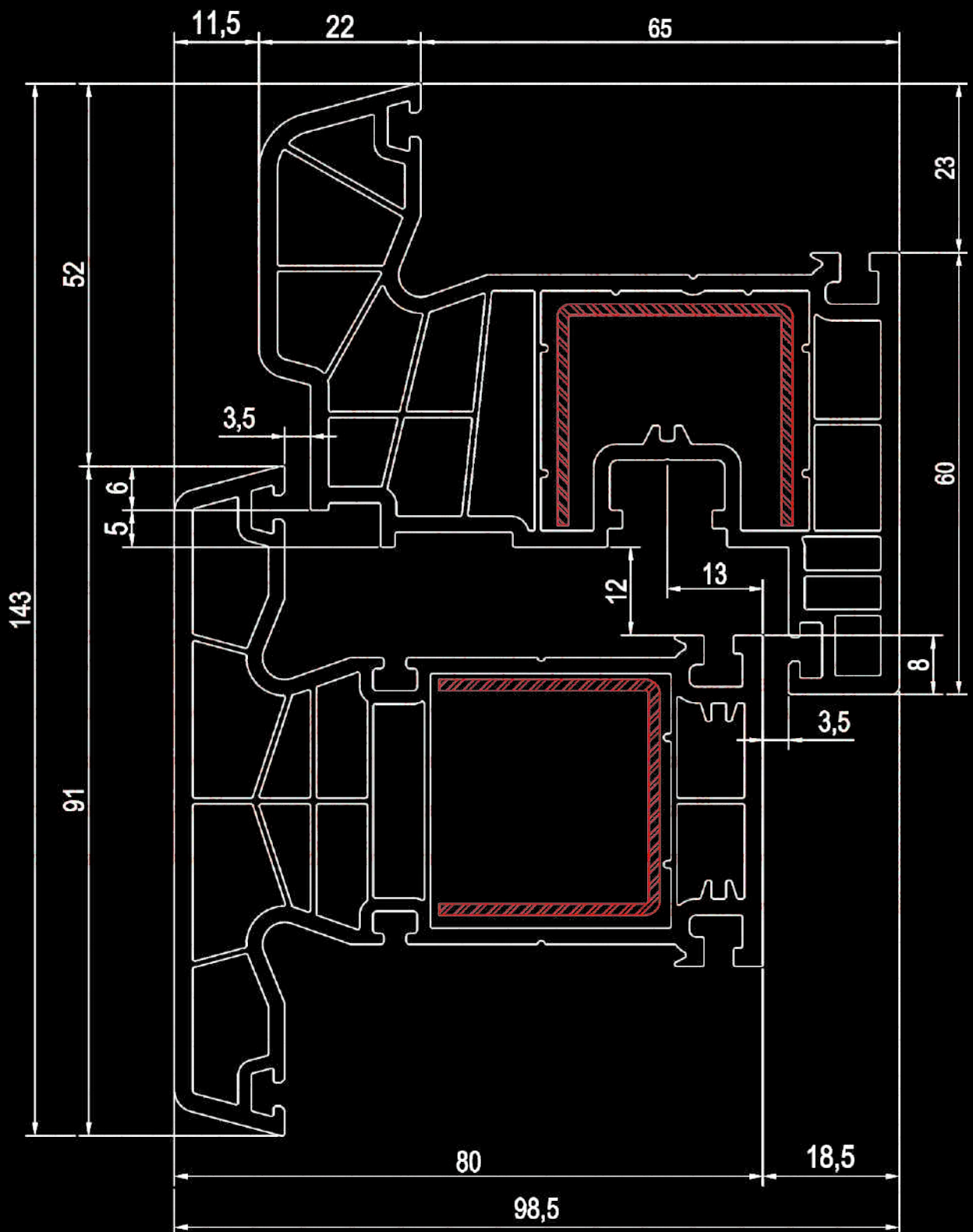
DIMENSIONED SECTION DETAILS



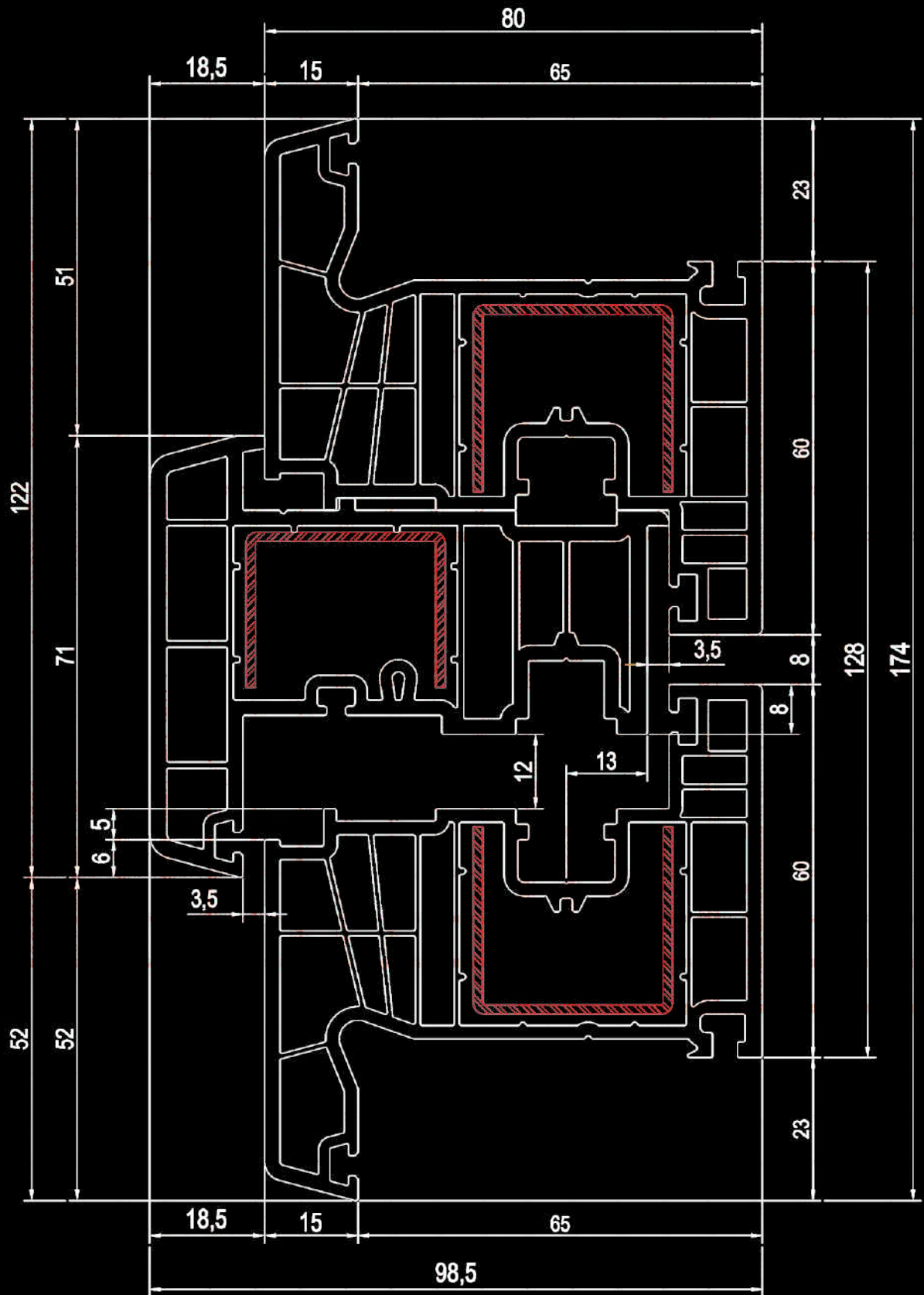
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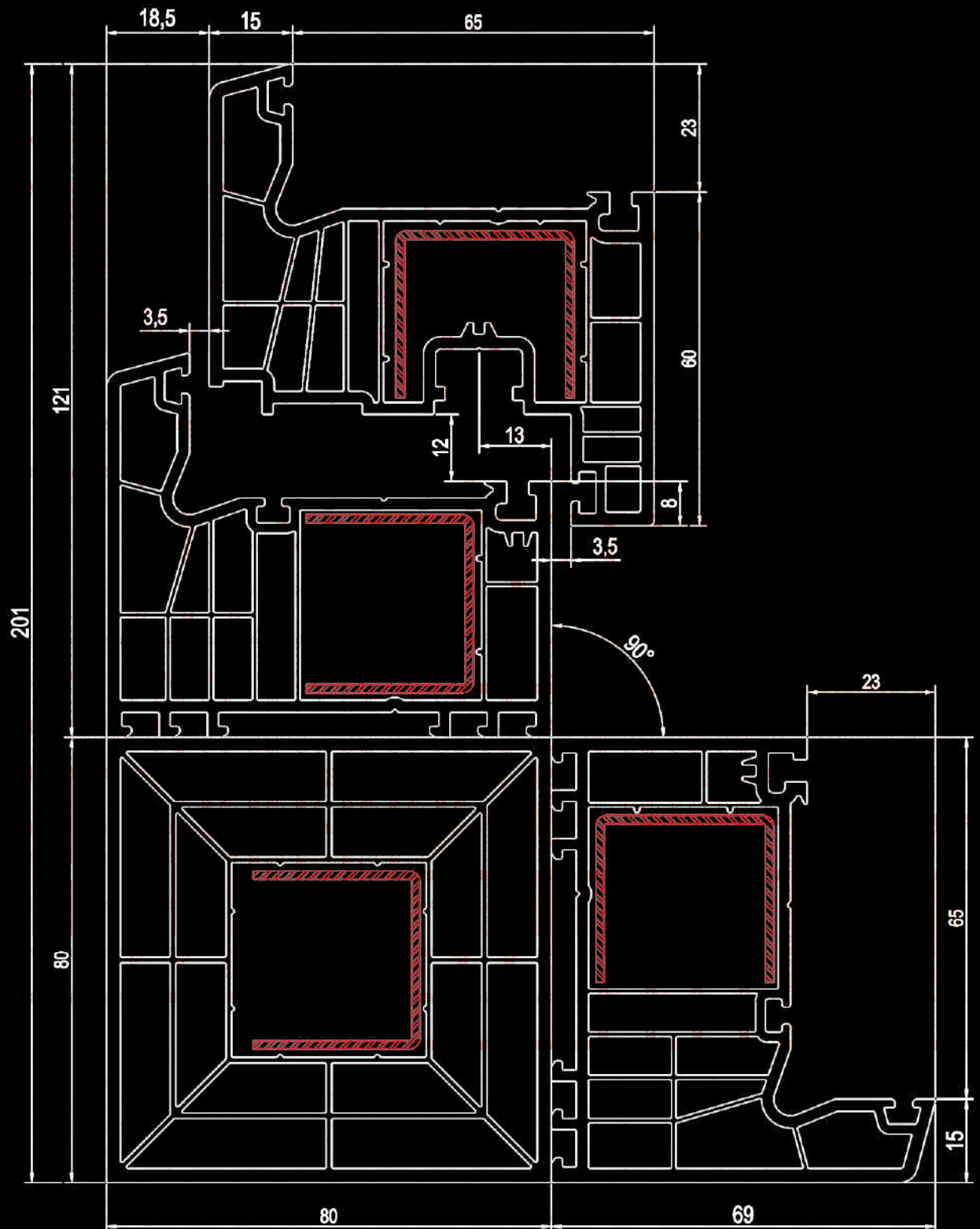
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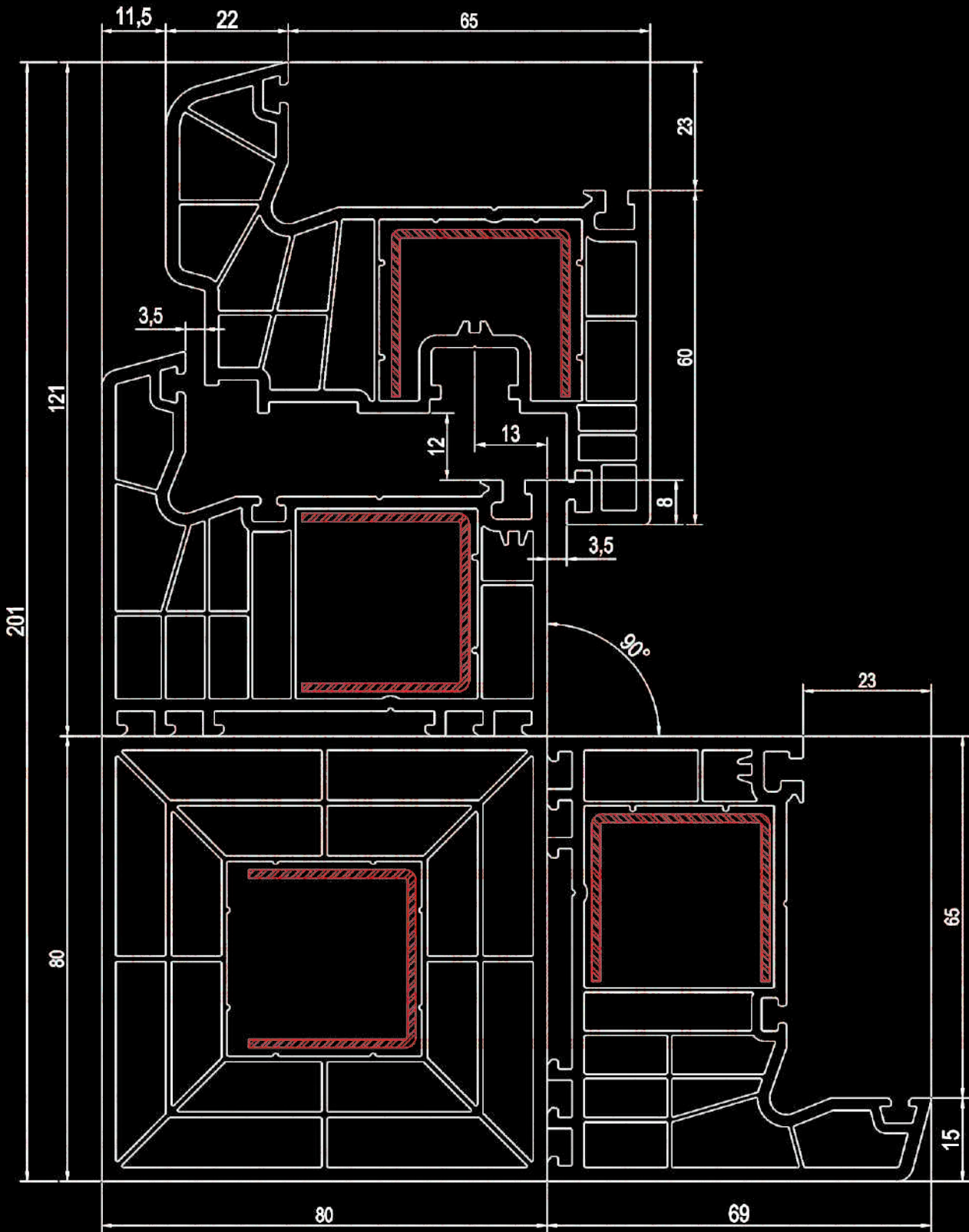
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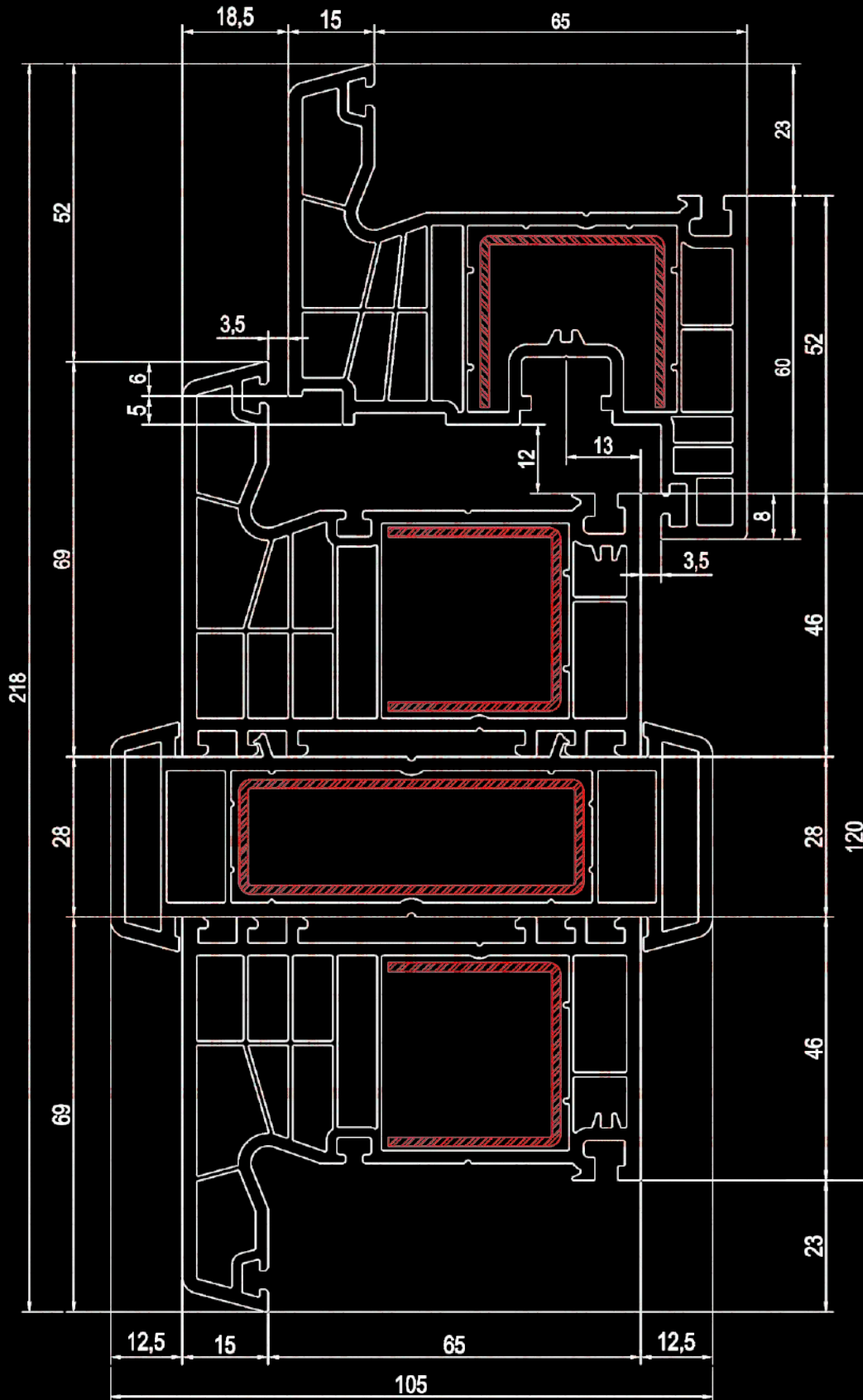
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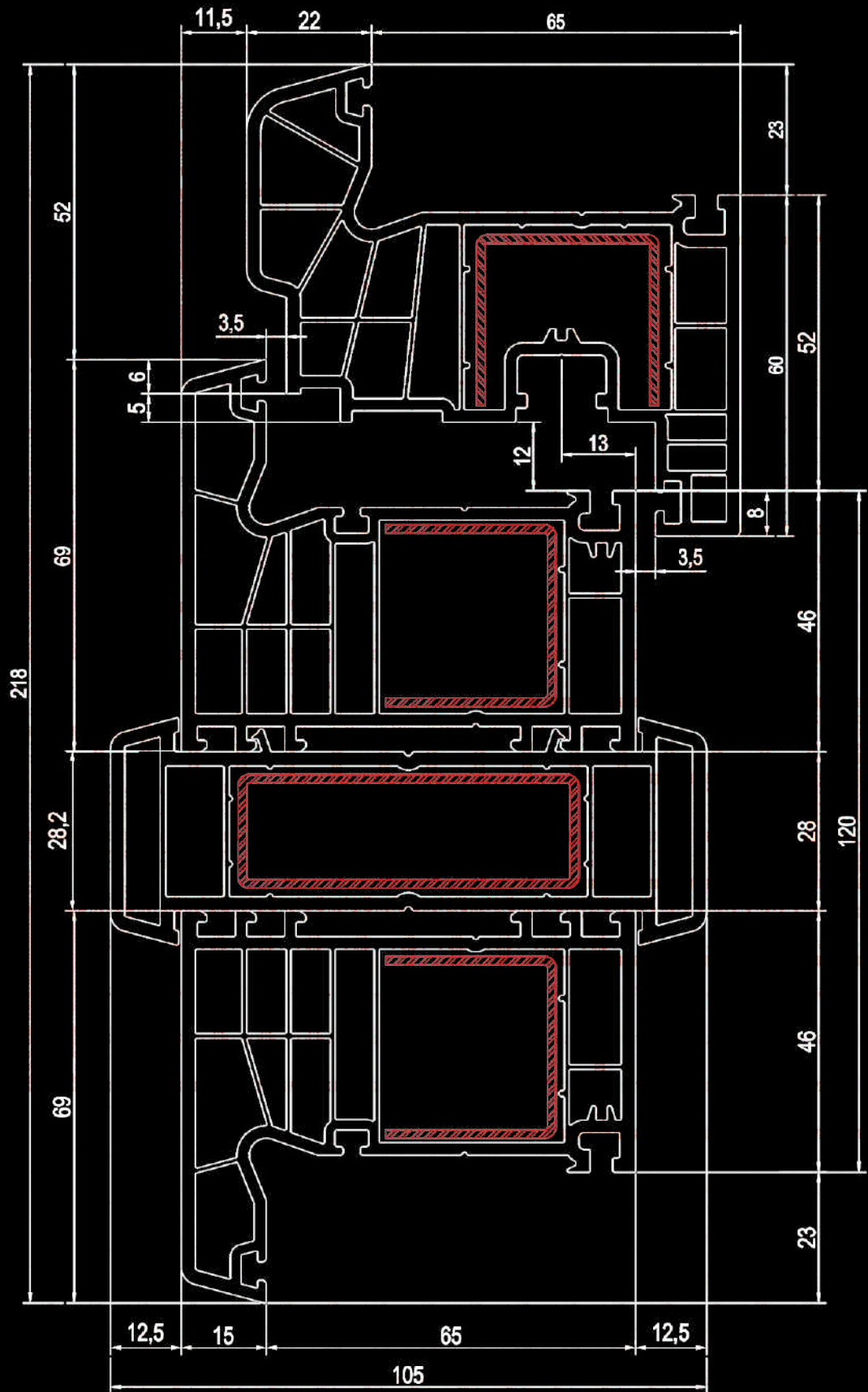
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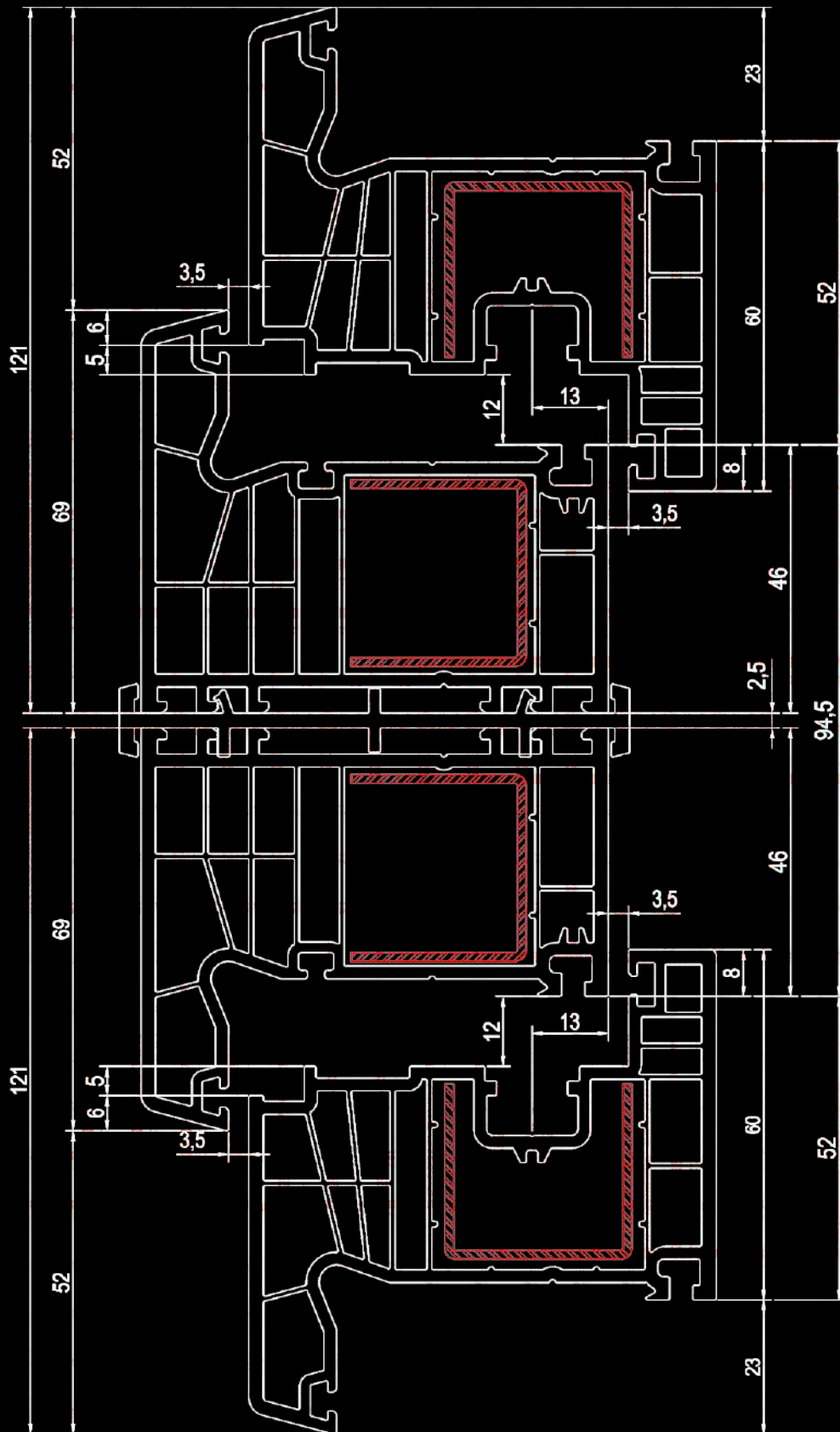
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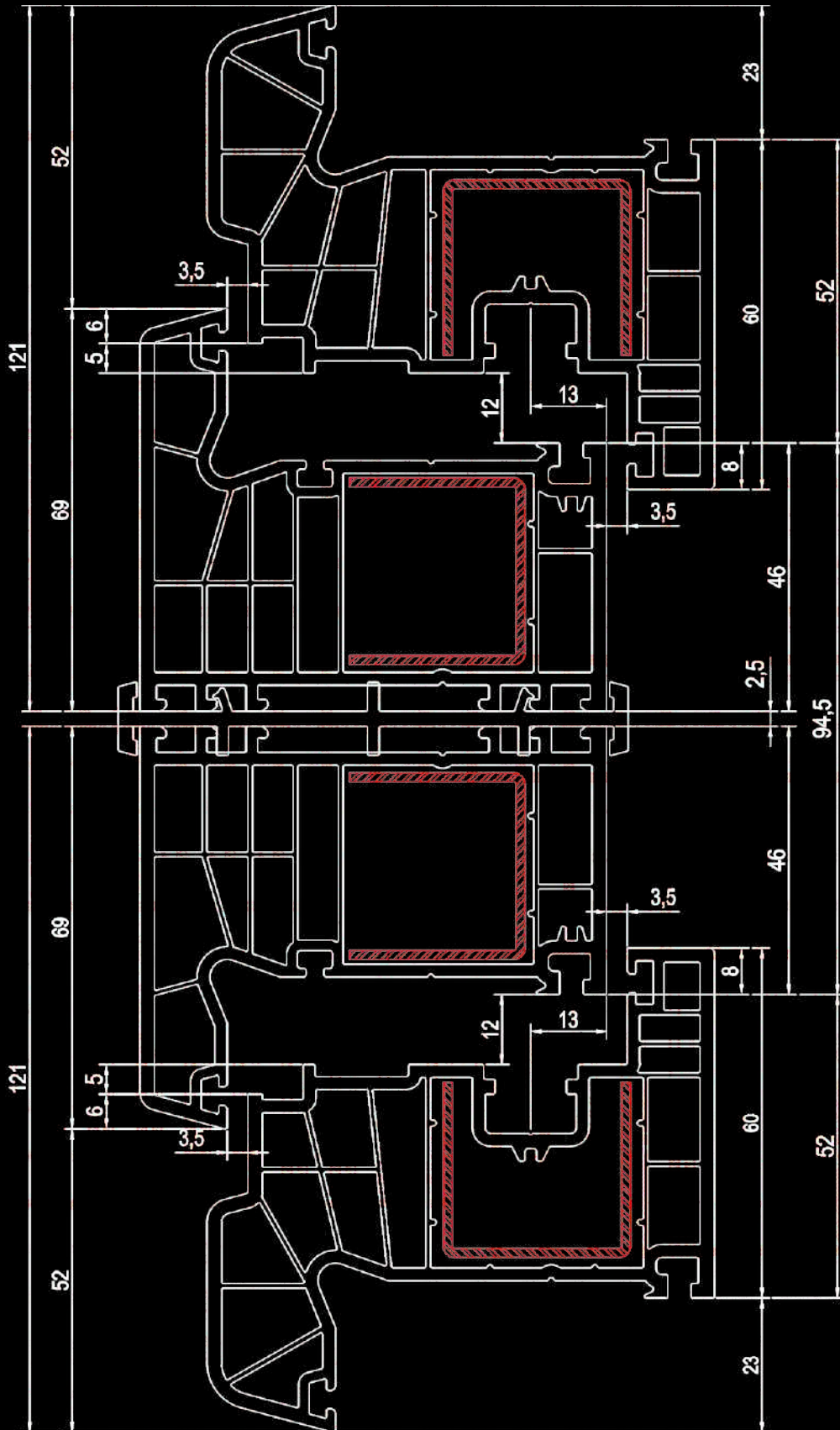
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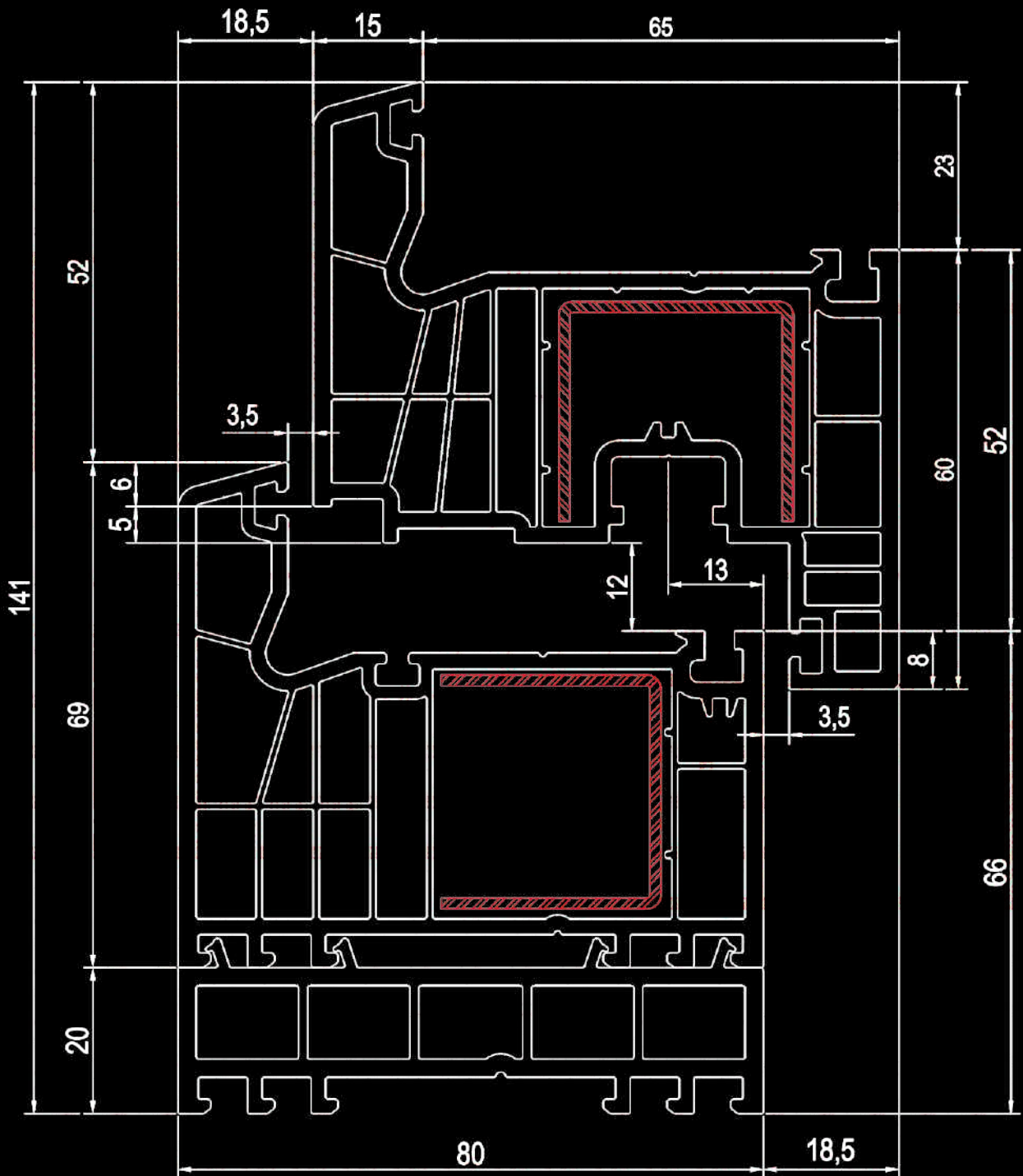
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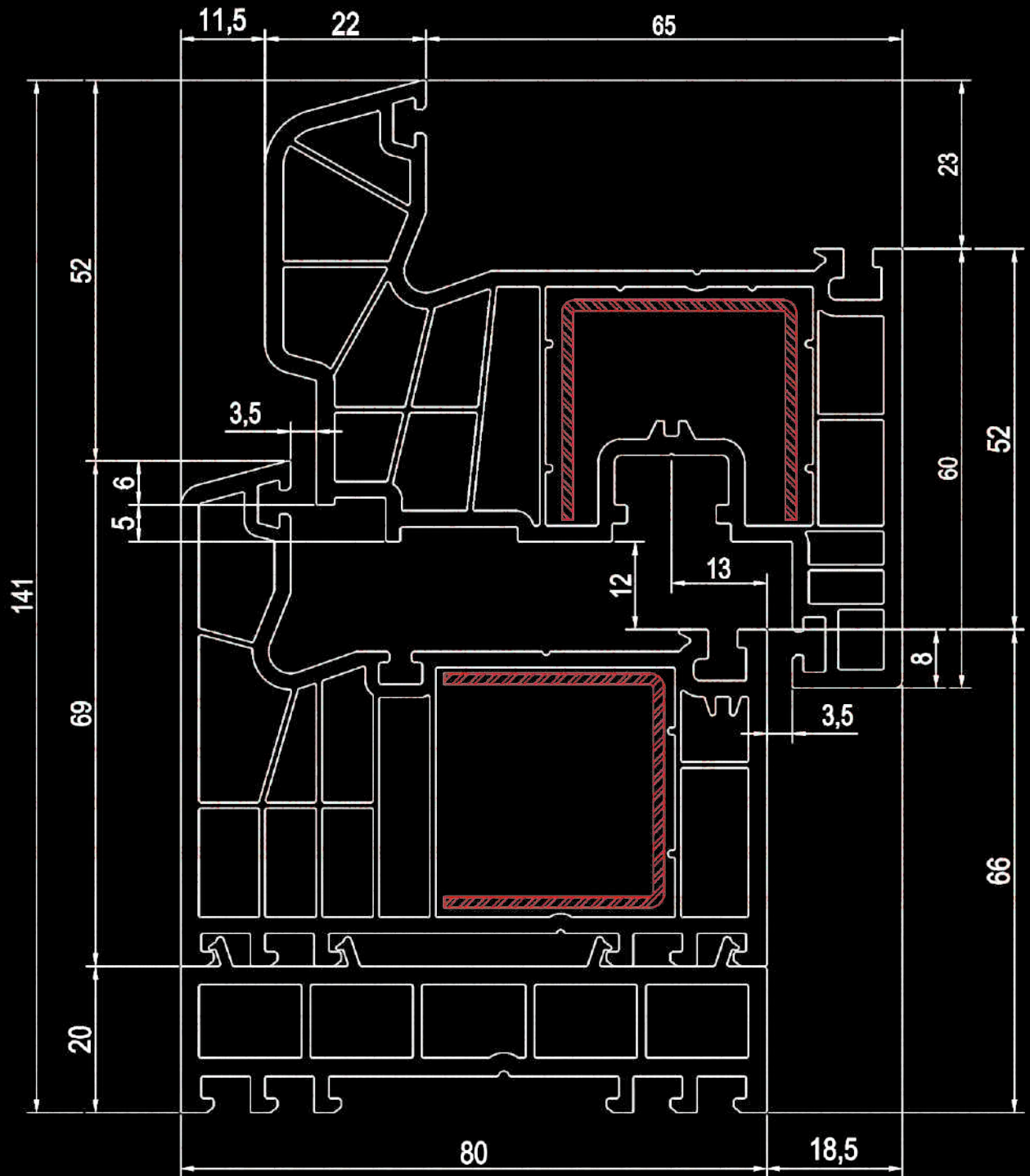
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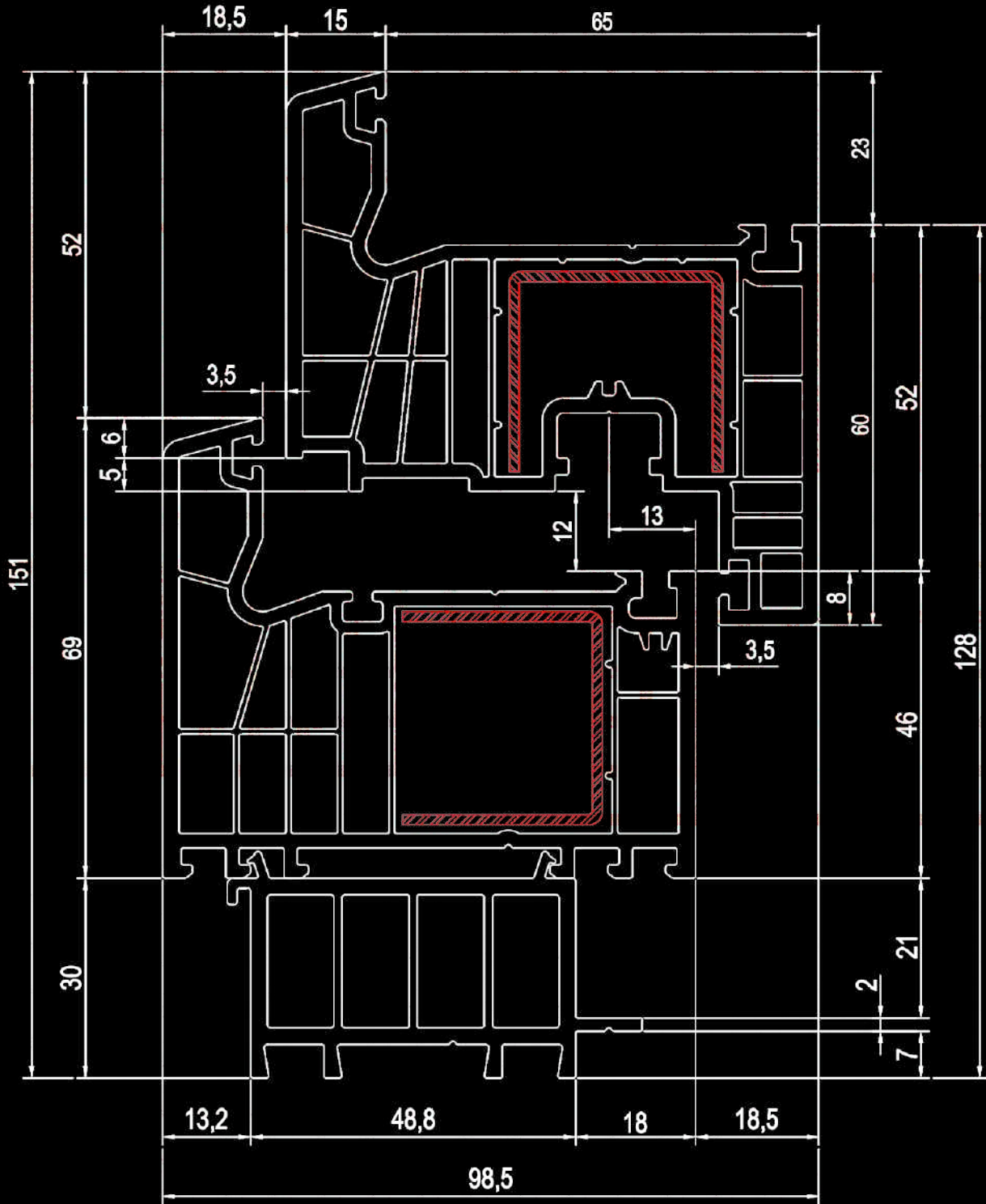
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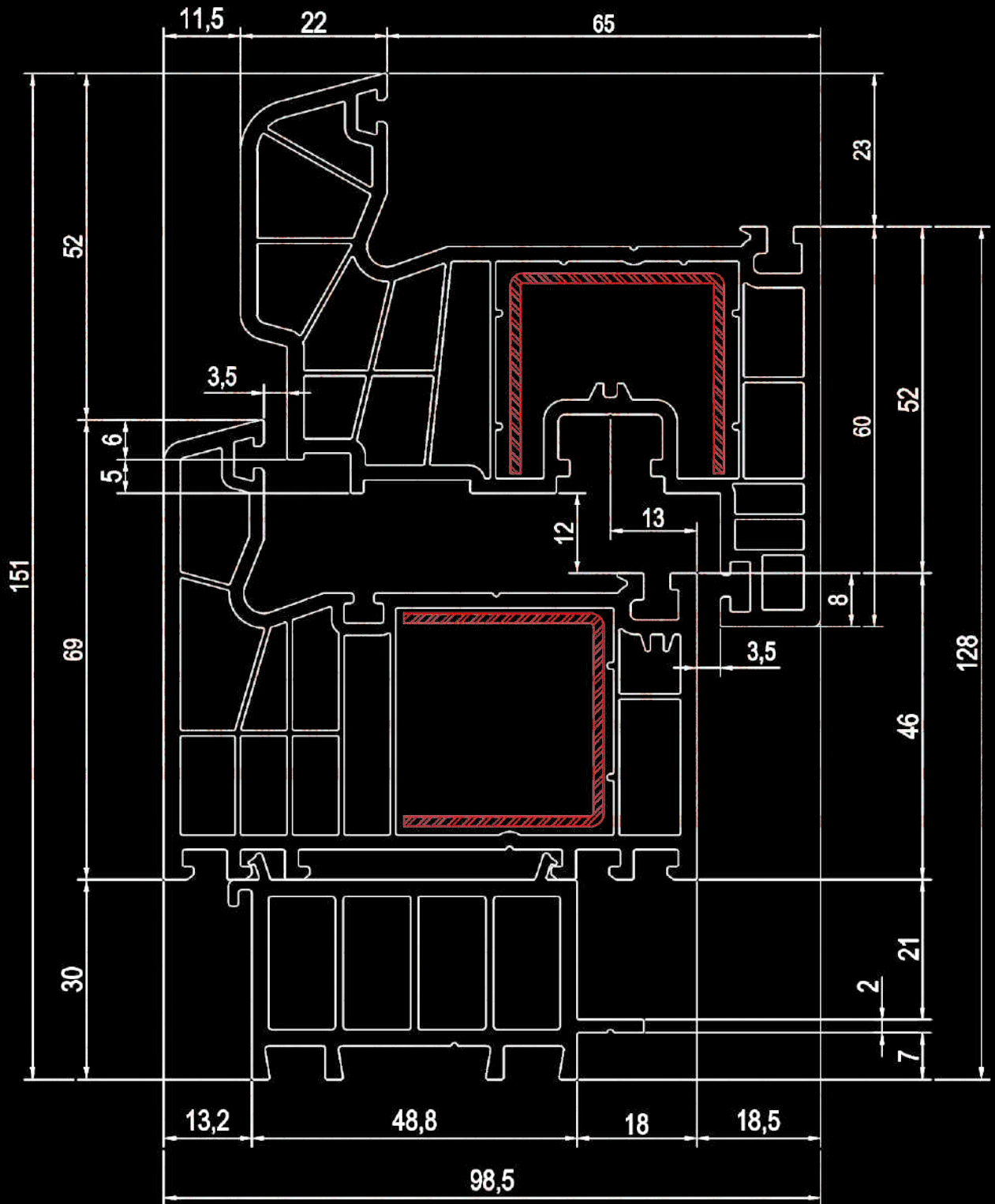
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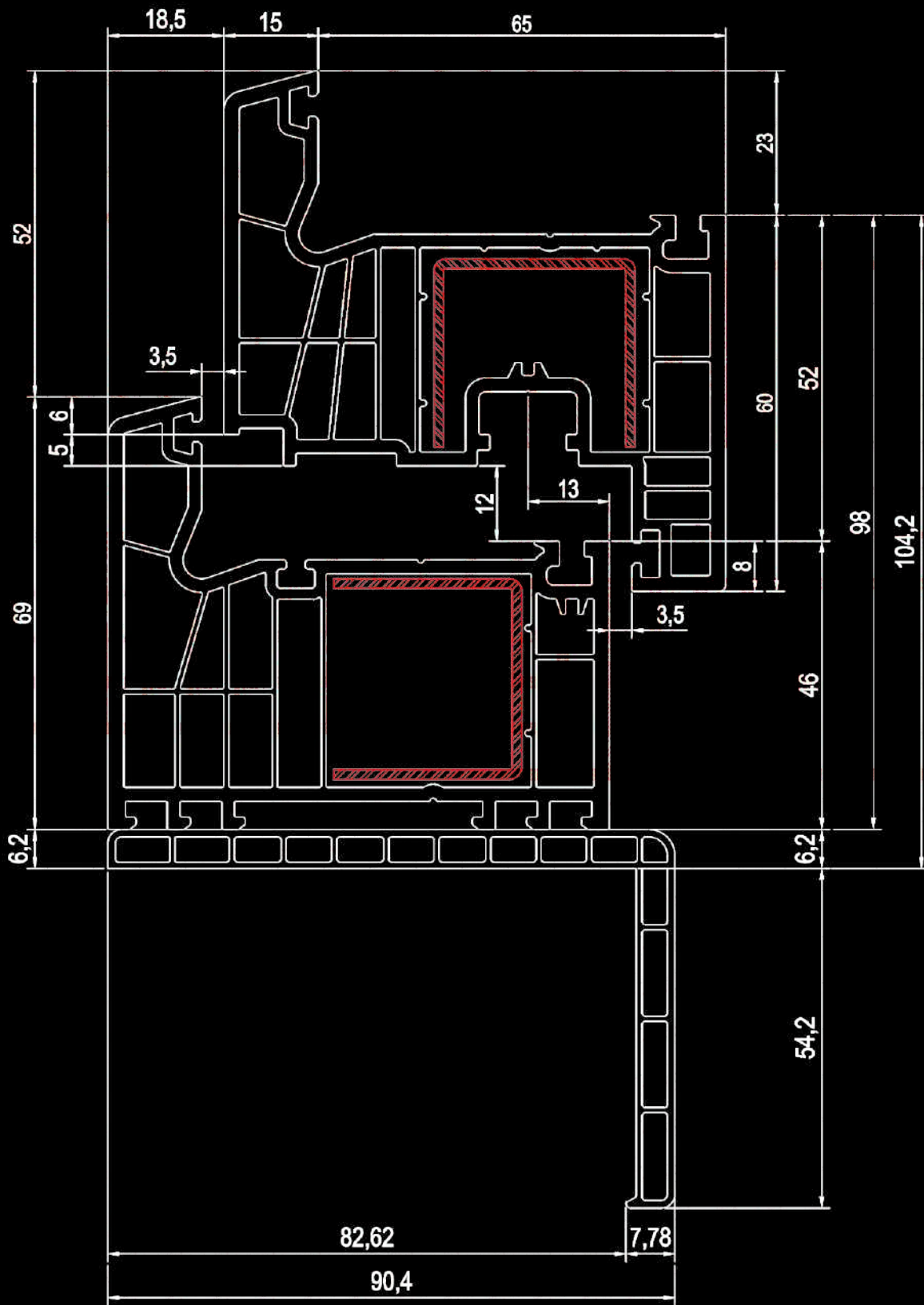
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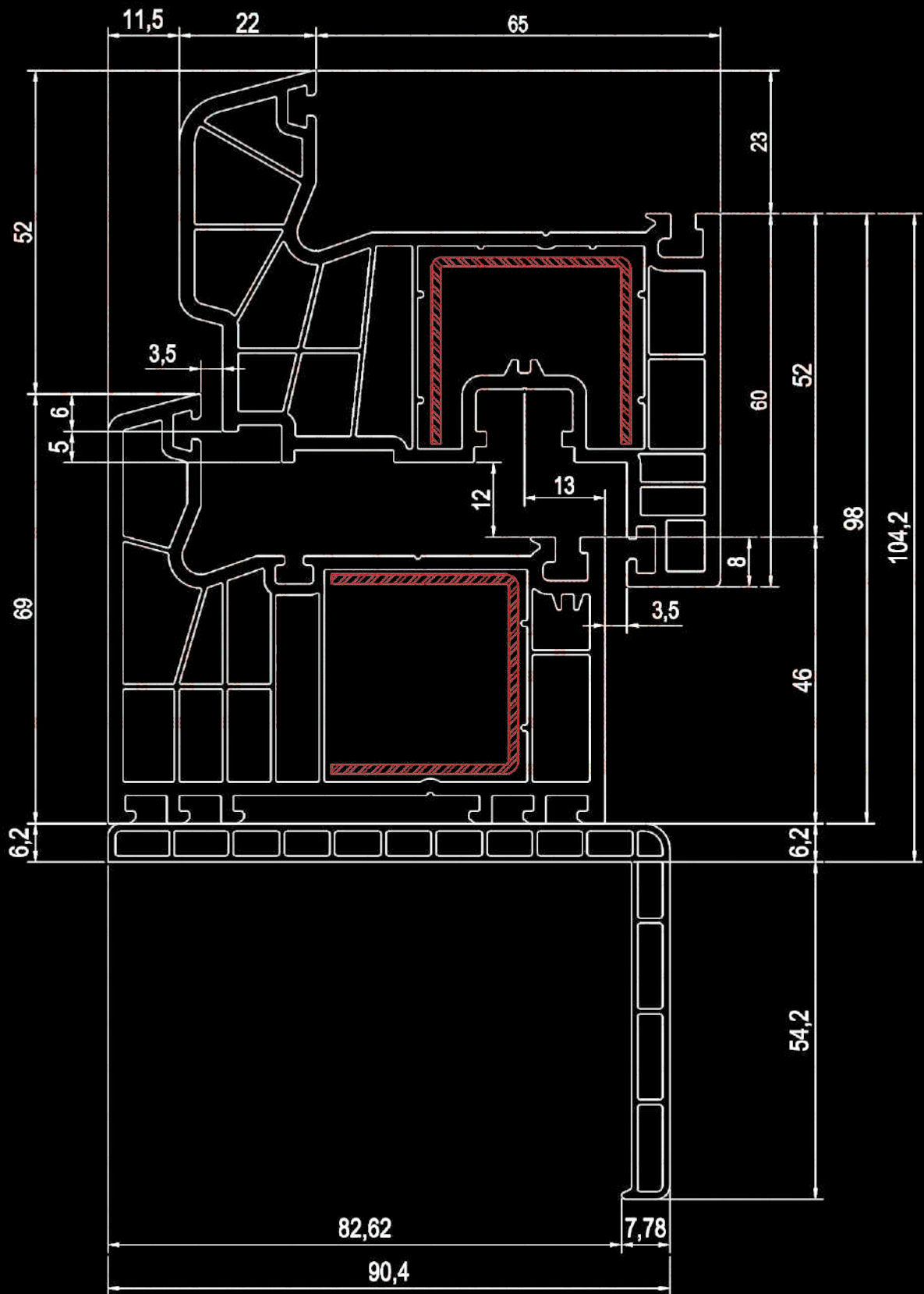
DIMENSIONED SECTION DETAILS



DIMENSIONED SECTION DETAILS

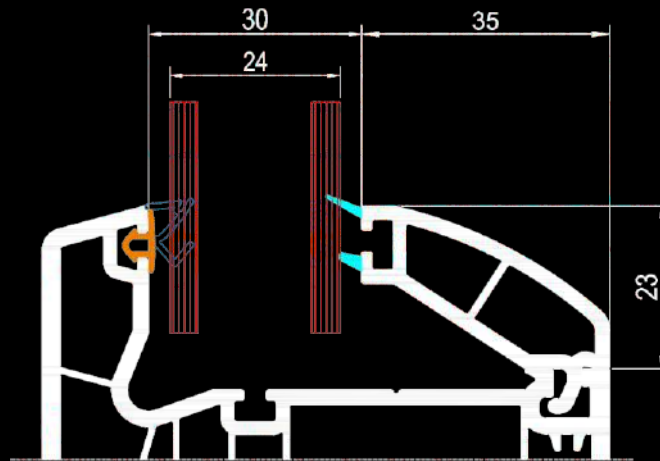


DIMENSIONED SECTION DETAILS



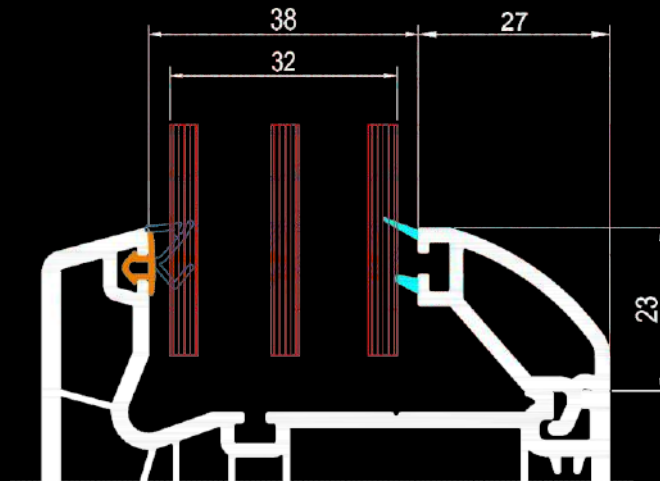
DOUBLE GLAZING BEAD

24 MM



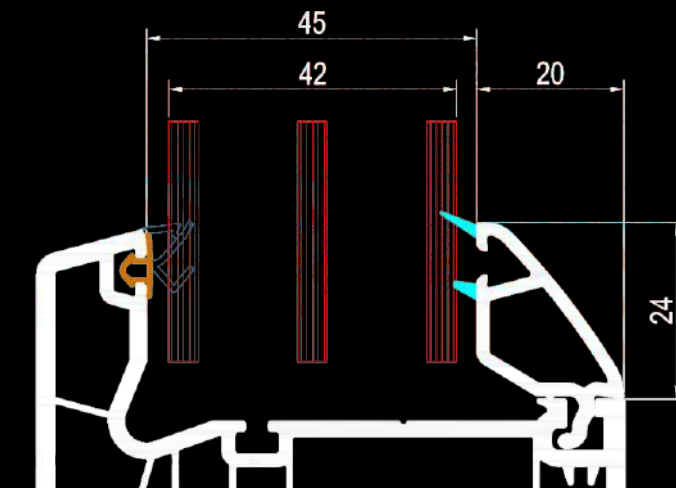
TRIPLE GLAZING BEAD

32 MM

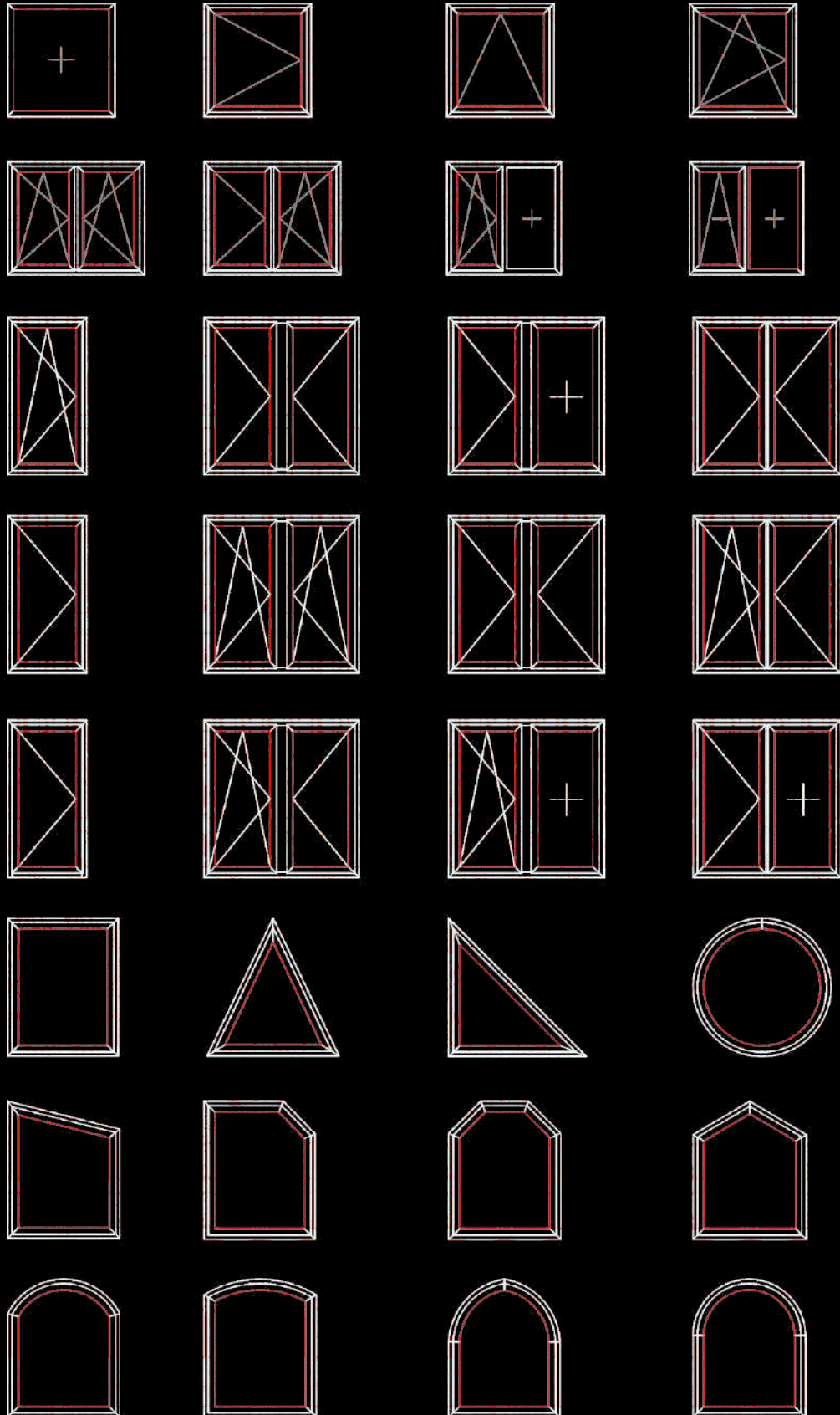


TRIPLE GLAZING BEAD

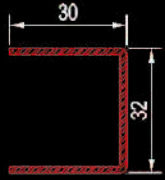
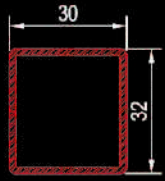


42 MM









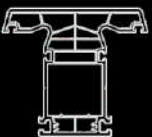














OPENING TYPES



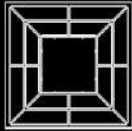



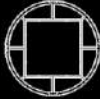










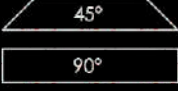

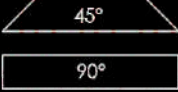

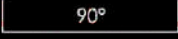




REINFORCEMENT PROFILES

Metall Reinforcement Profile	Profile Code	Thickness (S) (mm)	Moment of Inertia	
			I _x (cm ⁴)	I _y (cm ⁴)
	CLR77.W890-1	1	0,00	0,00
	CLR77.W890-2	1,25	1,07	2,03
	CLR77.W890-3	1,5	1,26	2,38
	CLR77.W890-4	2,0	1,63	3,03
	CLR77.W891-1	1	0,00	0,00
	CLR77.W891-2	1,25	2,07	2,29
	CLR77.W891-3	1,5	2,40	2,66
	CLR77.W891-4	2,0	3,03	3,36
	CLR77.W201-1	1	0,00	0,00
	CLR77.W201-2	1,25	1,74	0,65
	CLR77.W201-3	1,5	2,03	0,77
	CLR77.W201-4	2,0	2,58	0,99
	CLR77.W50-1	1	0,00	0,00
	CLR77.W50-2	1,25	1,40	8,01
	CLR77.W50-3	1,5	1,64	9,48
	CLR77.W50-4	2,0	2,06	12,28

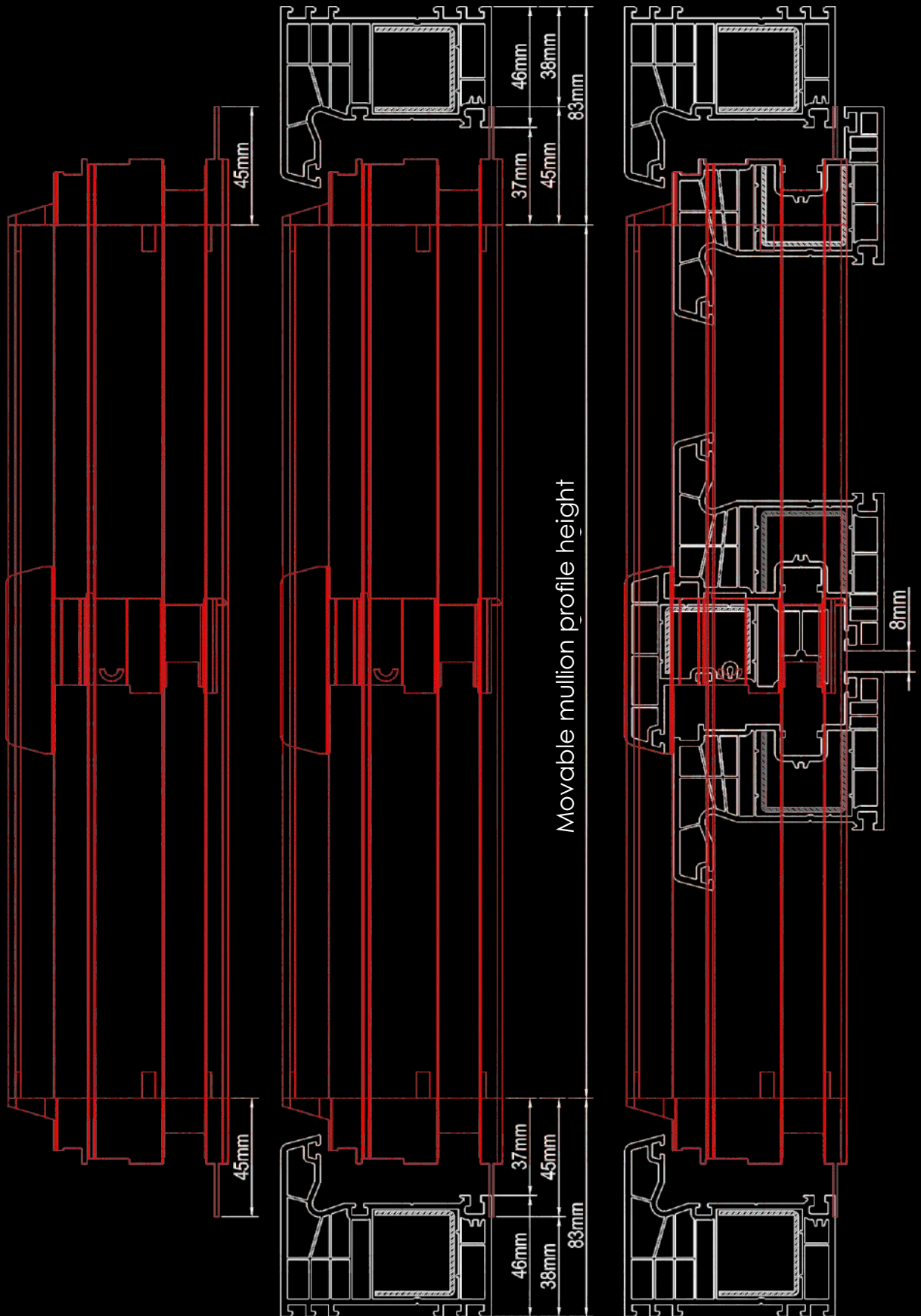
PROFILE CUTTING ANGLES

Profile code	Drawings	Cutting angle (45°/90°)	Material	Explanation
PTG.80.F0001			PVC	Frame profile
PTG.80.V0002			PVC	Sash profile
PTG.80.V0001			PVC	Offset type sash profile
PTG.80.M0001			PVC	Mullion profile
PTG.80.A0001			PVC	Movable mullion adaptor
CLR77.W890 CLR77.W891		 	Steel	Reinforcement profile Box - U
CLR77.W201			Steel	Reinforcement profile U
PTG.80.G0001			PVC	Double glazing bead 24mm
PTG.80.G0002			PVC	Triple glazing bead 32mm
PTG.76.G0002			PVC	Triple glazing bead 32mm

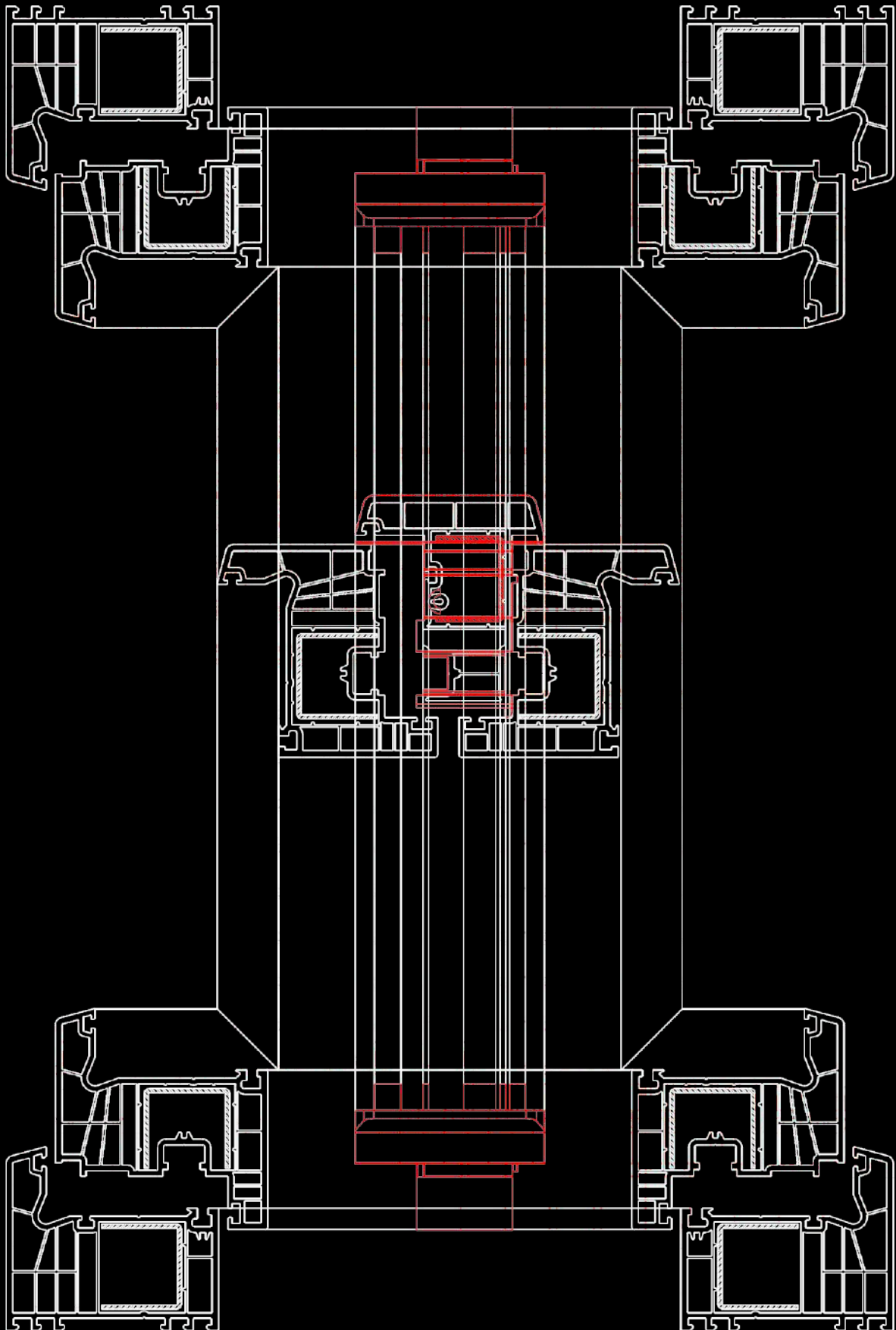
PROFILE CUTTING ANGLES

Profile code	Drawings	Cutting angle (45°/90°)	Material	Explanation
PTG.80.A0003			PVC	Corner box profile
PTG.80.A0002			PVC	Angled corner profile
PT3.60.A0006			PVC	Corner pipe profile
PTG.80.A0006			PVC	Wide coupling profile
PT4.80.A0004			PVC	Narrow coupling profile
PTG.80.A0006			PVC	Frame extension profile
PTG.80.A0007			PVC	Frame lifting profile
PVF.CP.F0001			PVC	Masking profile
CLR77.W890 CLR77.W891			Steel	Metal reinforcement profile
CLR77.W50			Steel	Reinforcement for wide coupling profile
GASKET USAGE TABLE				
1000004148 1000004568		Black Grey	TPV - TPE	Universal Frame, sash, mullion glass gasket
1000000979 1000000980		Black Grey	TPV - TPE	Concealed sash gasket
1000001002 1000000978		Black Grey	TPV - TPE	Laminate application slot gasket
EPDM5108-8000		Black Grey	EPDM	Middle gasket

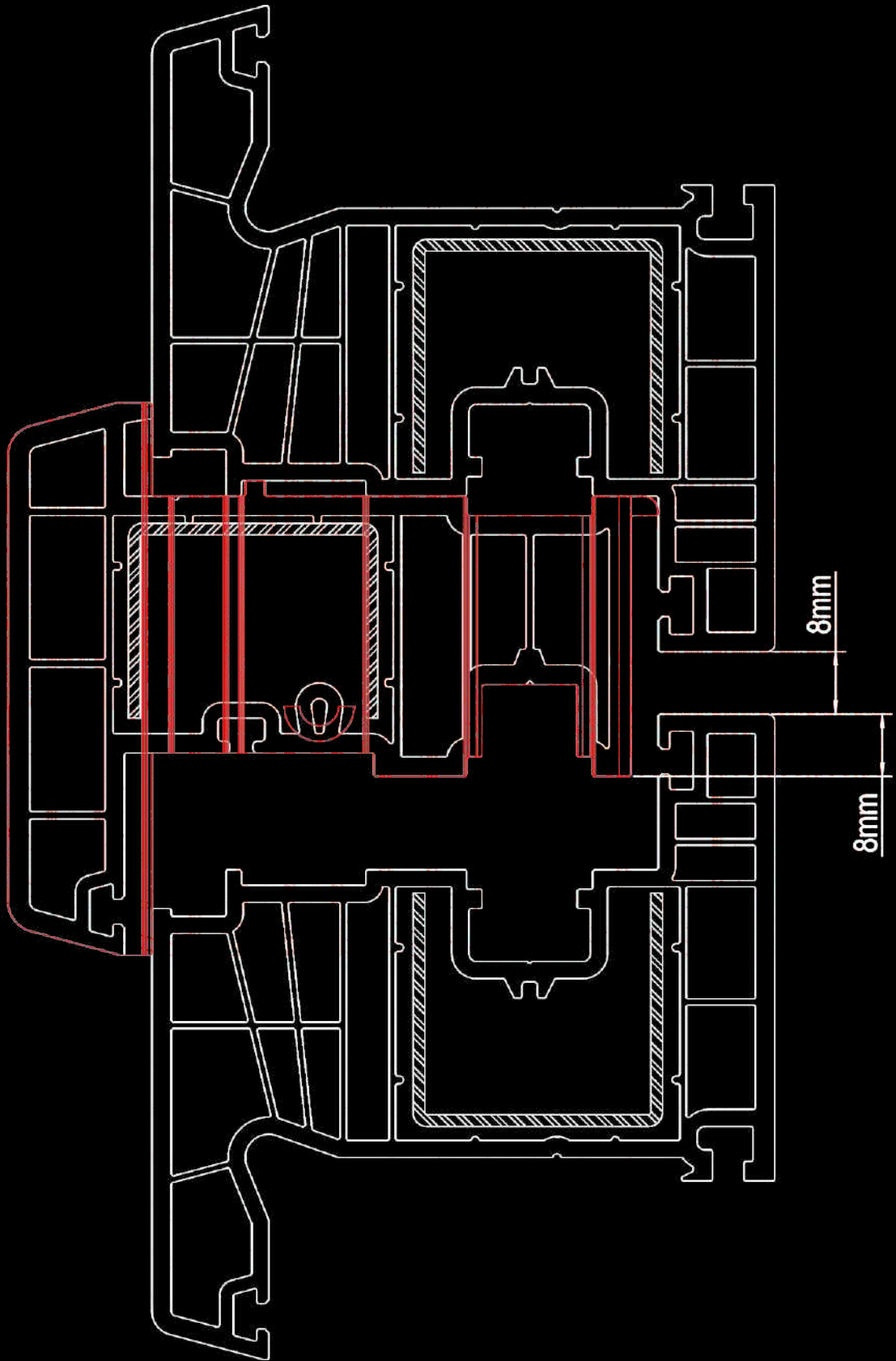
MOVABLE MULLION PROFILE APPLICATIONS



MOVABLE MULLION PROFILE APPLICATIONS

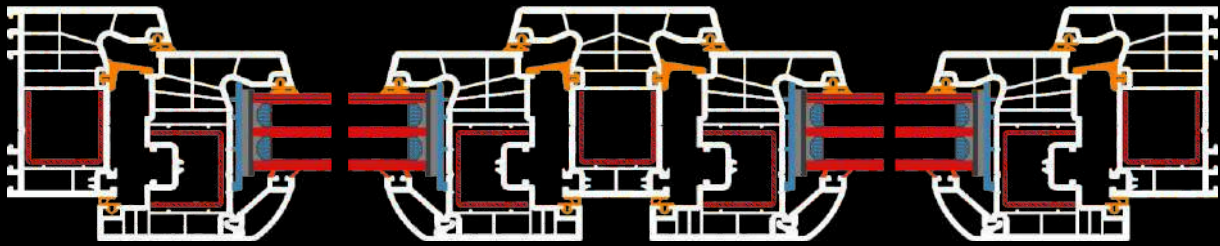


MOVABLE MULLION PROFILE APPLICATIONS

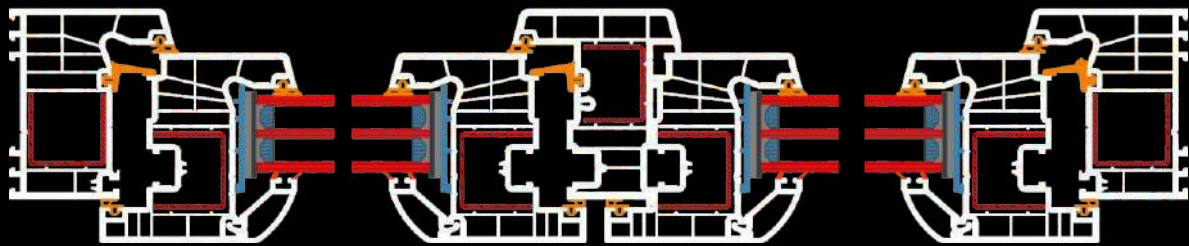


DETAILED SECTION APPLICATIONS

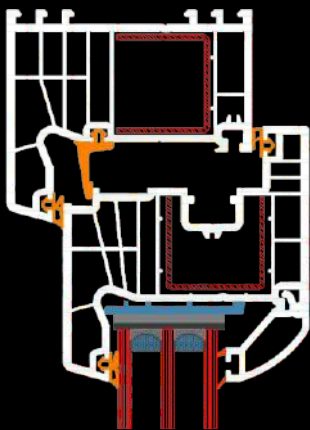
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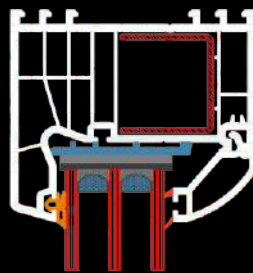
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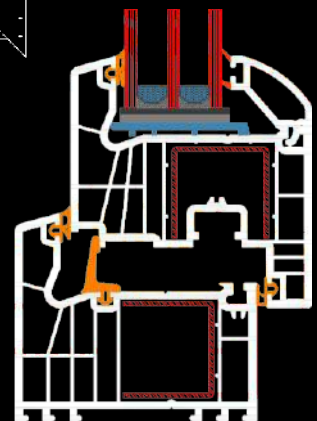
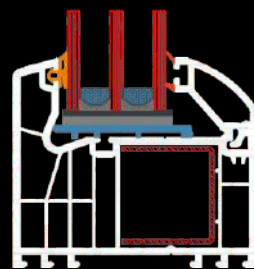
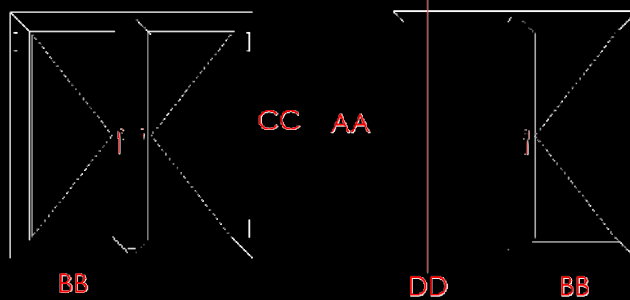
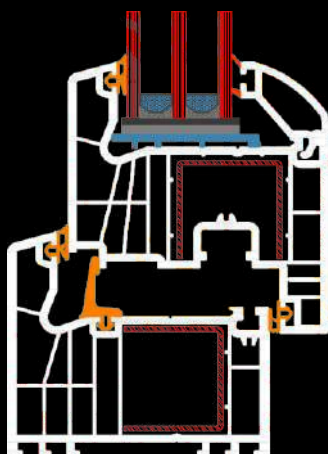
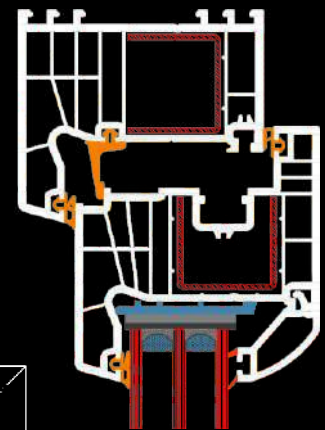
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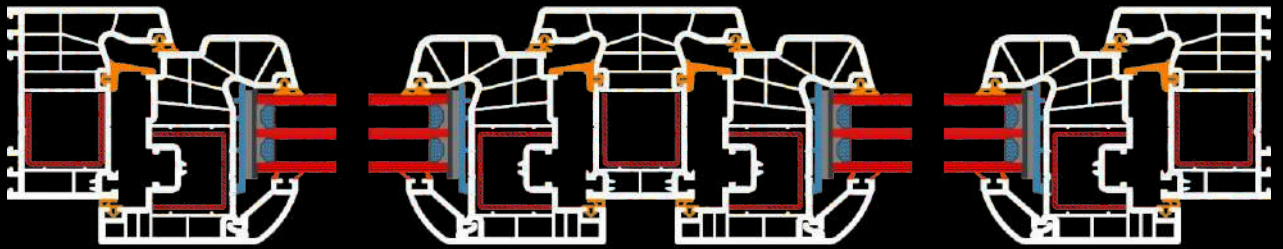


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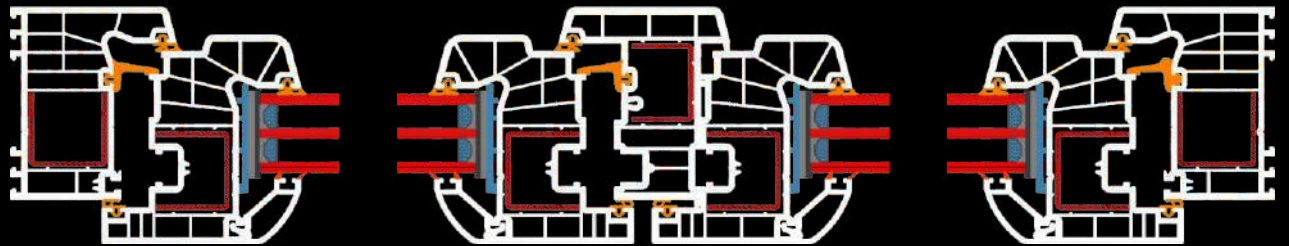


DETAILED SECTION APPLICATIONS

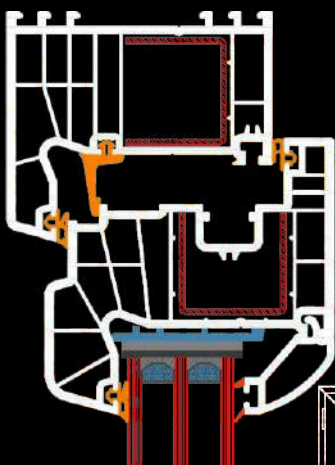
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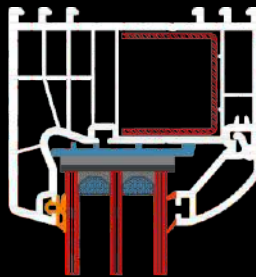
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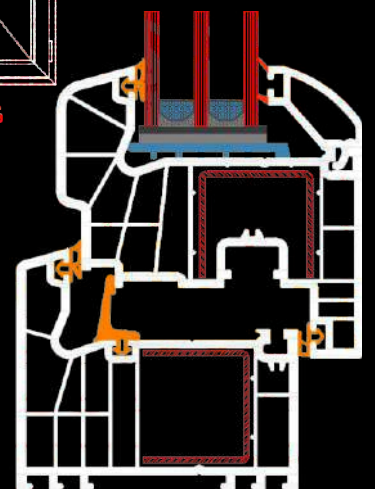
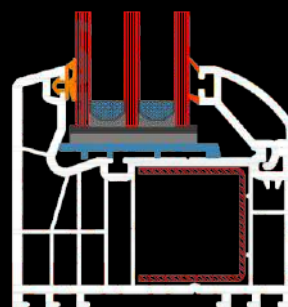
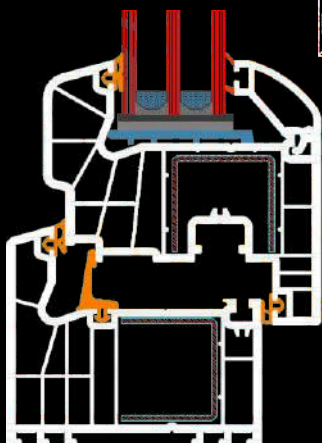
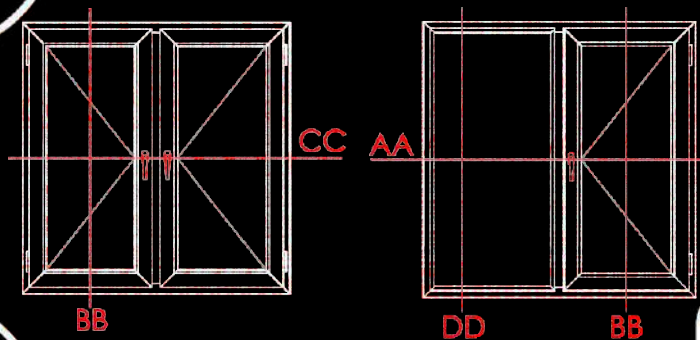
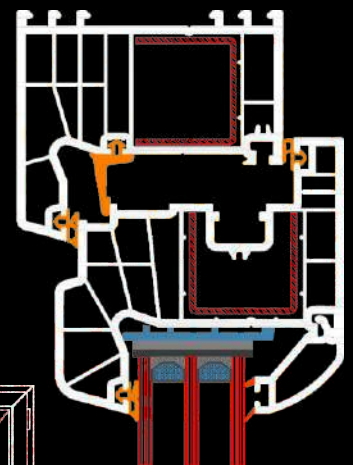
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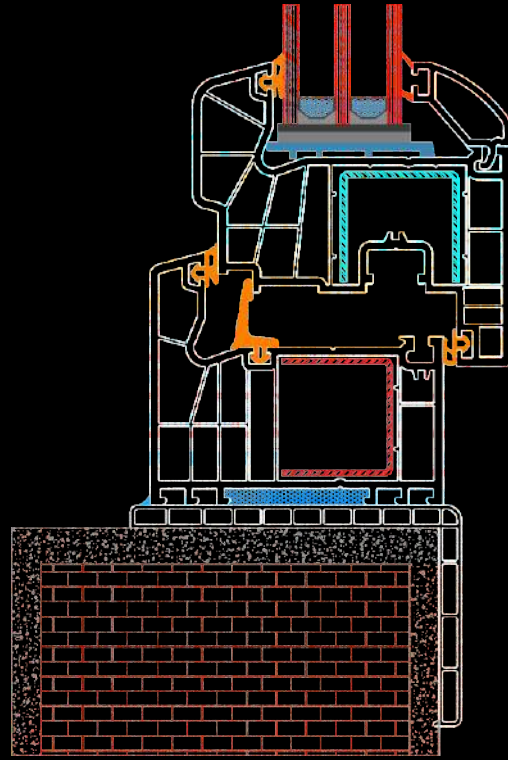
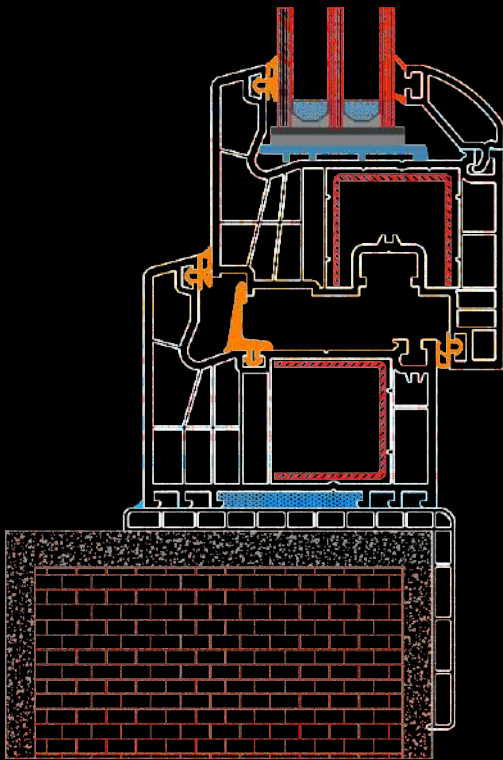
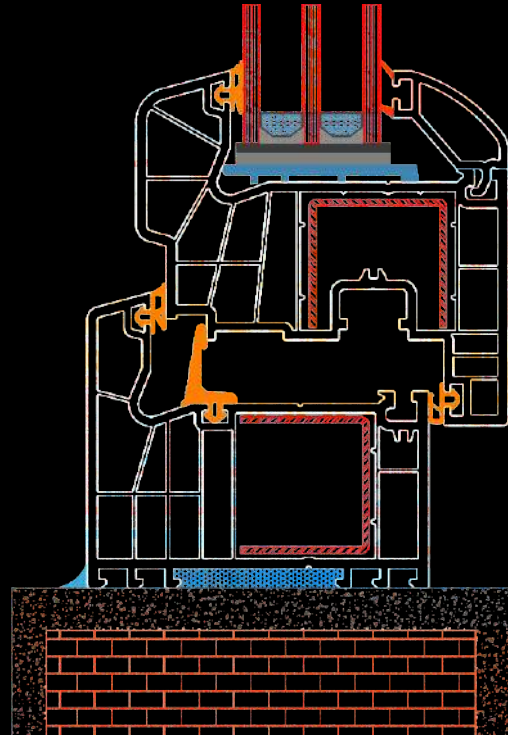
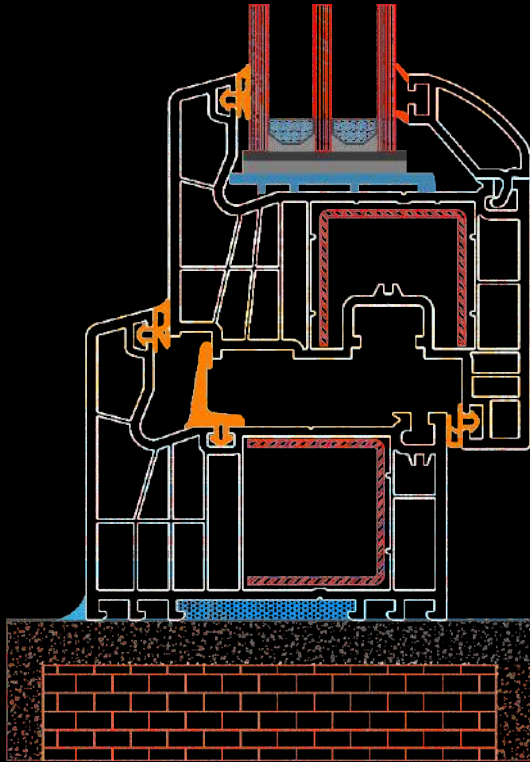
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BB - Detail



WINDOW MOUNTING APPLICATIONS

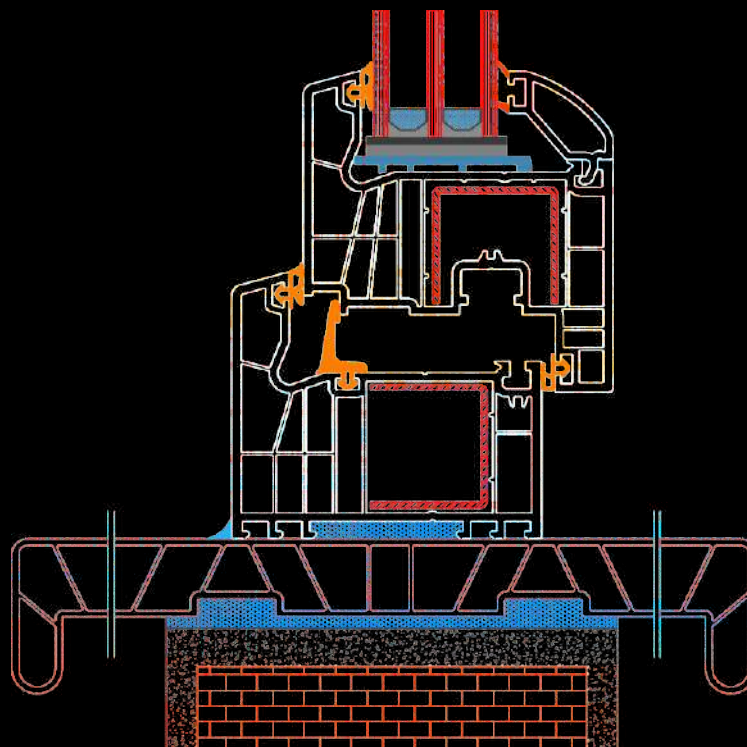
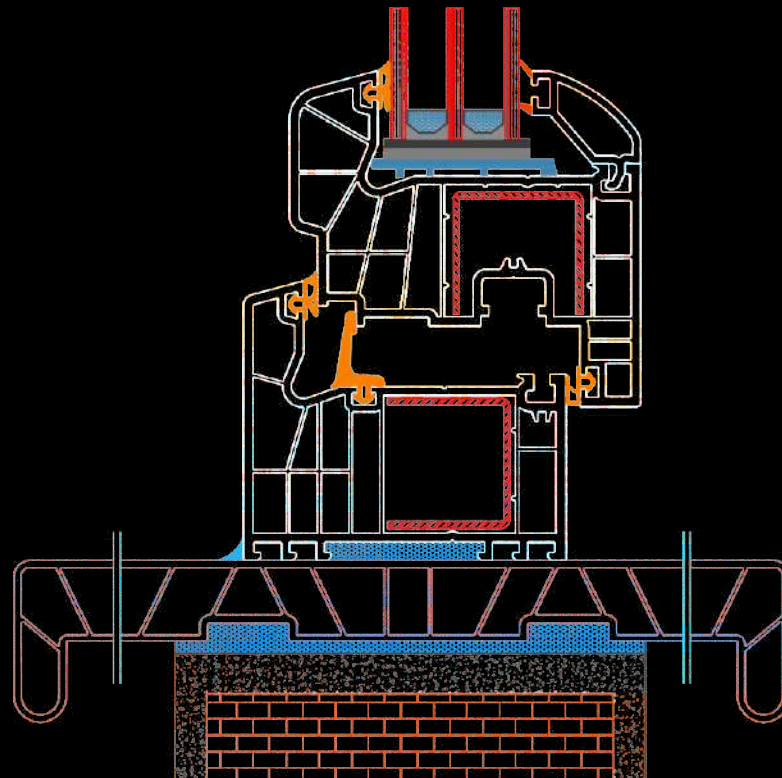


Sealing element (silicone sealant)



Insulation material (styrofoam, glass wool, foam and cork)

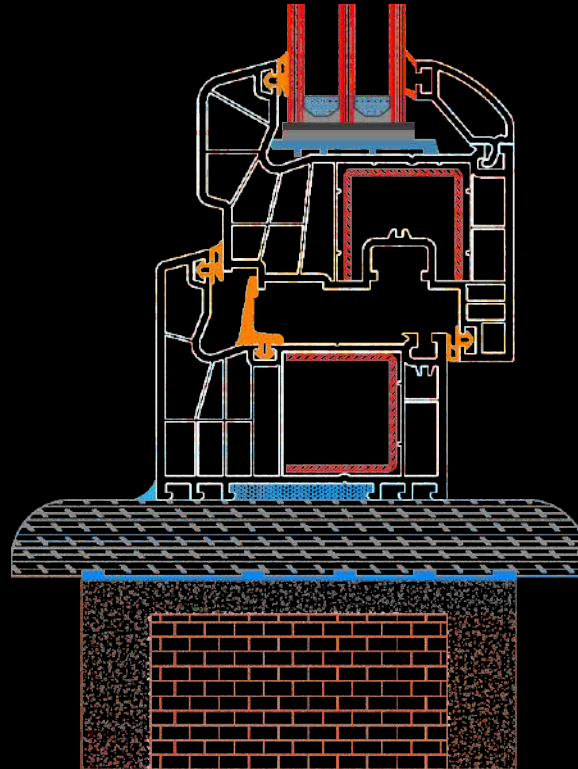
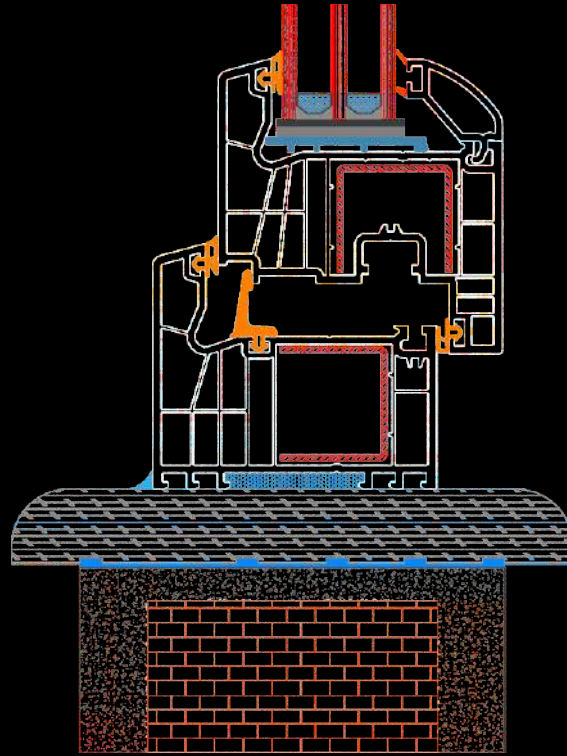
WINDOW MOUNTING APPLICATIONS



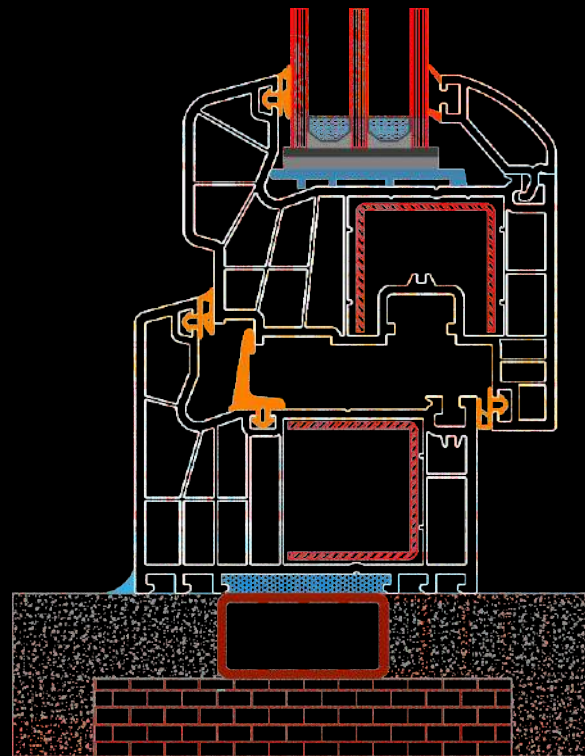
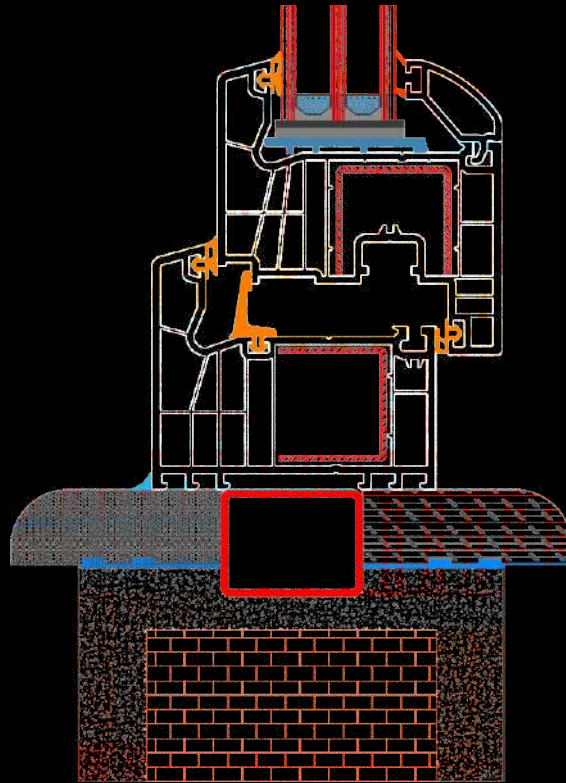
Sealing element (silicone sealant)

Insulation material (styrofoam, glass wool, foam and cork)

WINDOW MOUNTING APPLICATIONS



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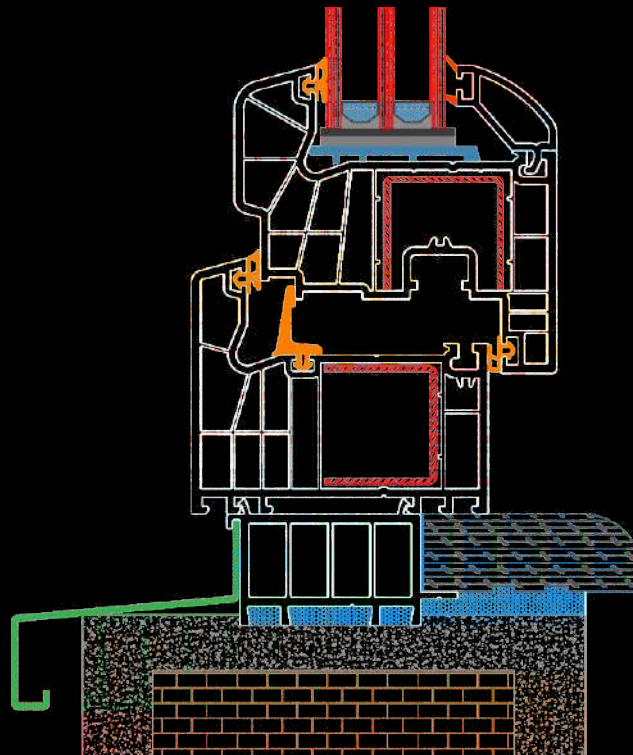
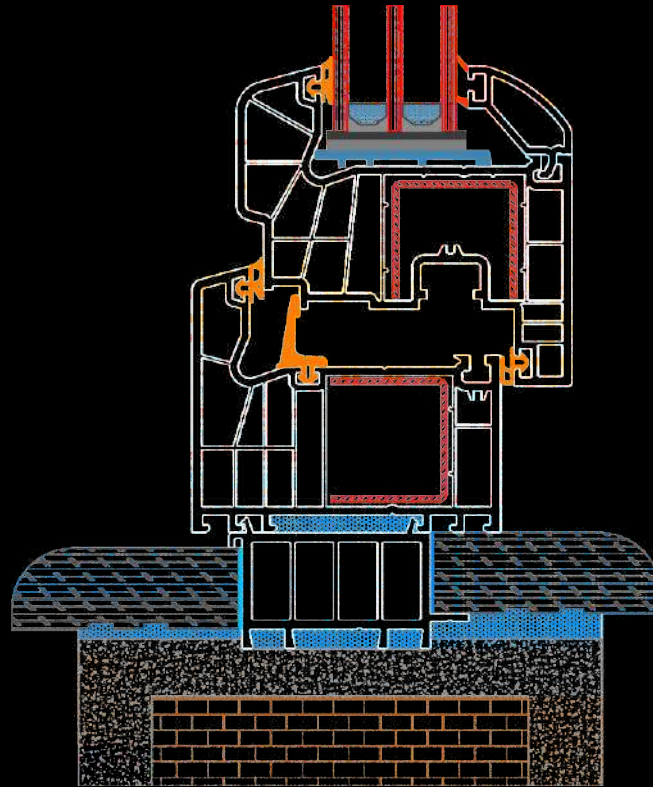


Sealing element (silicone sealant)

Insulation material (styrofoam, glass wool, foam and cork)



WINDOW MOUNTING APPLICATIONS

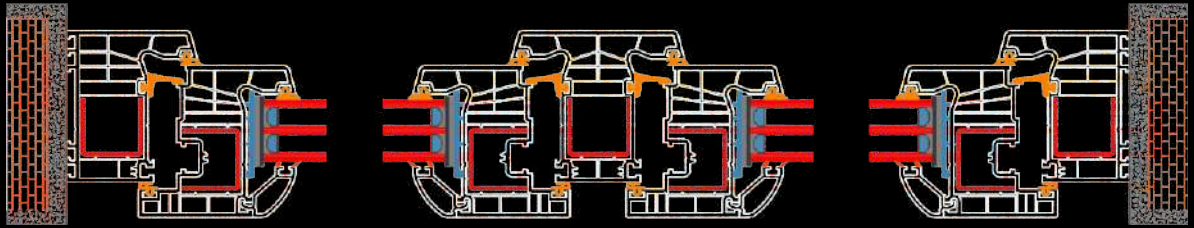


Sealing element (silicone sealant)

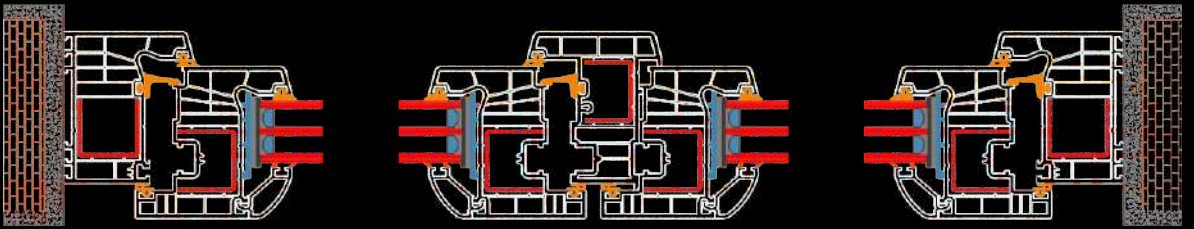
Insulation material (styrofoam, glass wool, foam and cork)

DETAILED SECTION APPLICATIONS

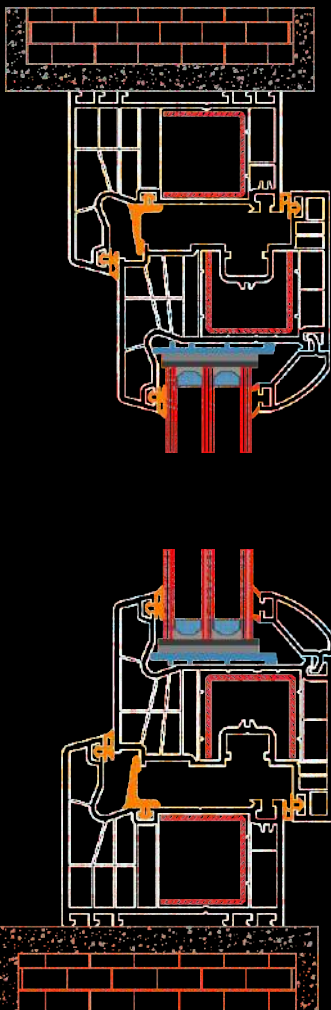
AA - Detail



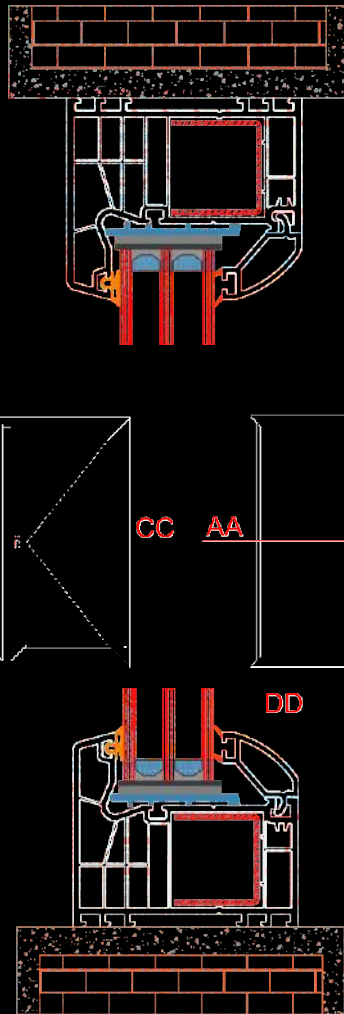
CC - Detail



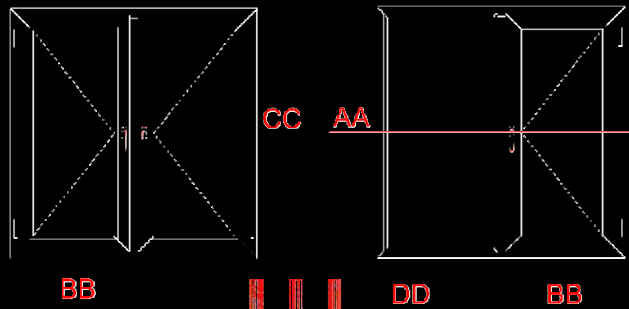
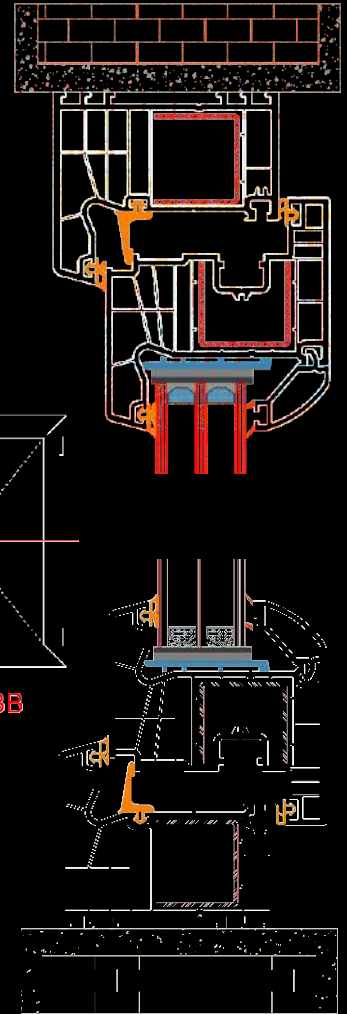
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DD - Detail

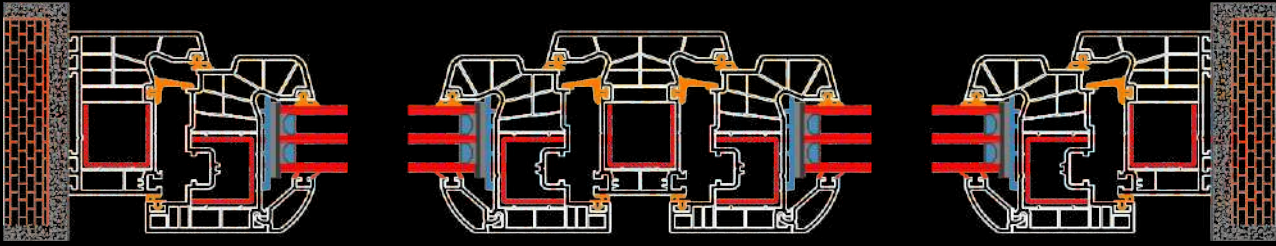


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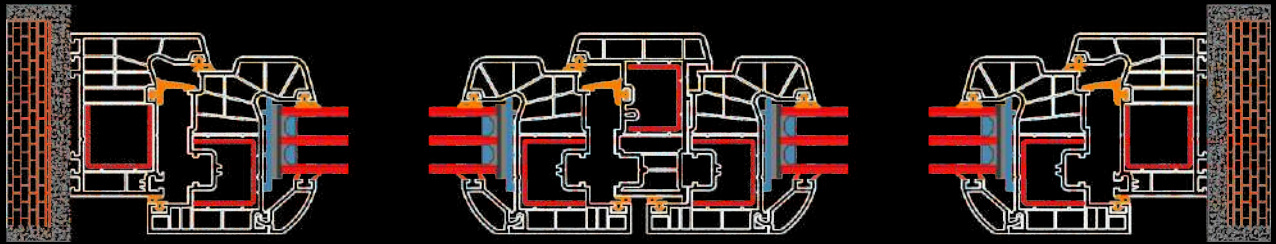


DETAILED SECTION APPLICATIONS

AA - Detail



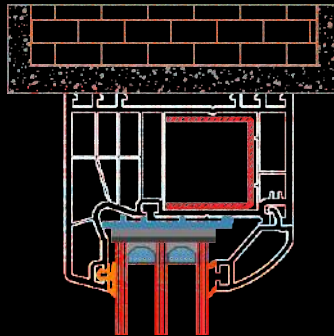
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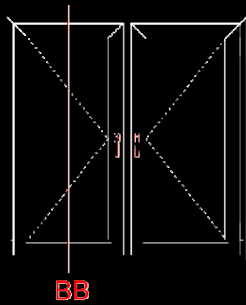
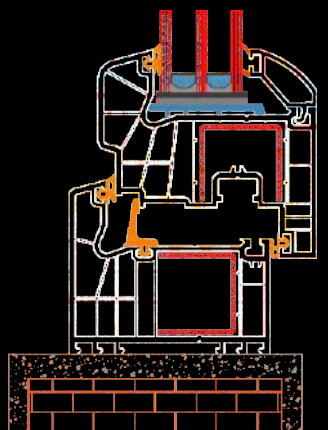
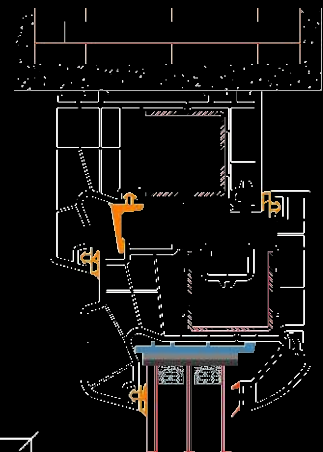
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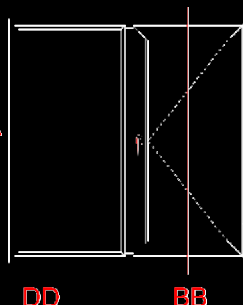


BB - Detail



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