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TECHNICAL PROPERTIES

FRAME WIDTH	70 mm
FRAME HEIGHT INSIDE - OUTSIDE	44 / 64 mm
MULLION WIDTH INSIDE - OUTSIDE	40 / 80 mm
SASH WIDTH STANDARD - SELF DRAINAGE	56 - 55 mm
WINDOW SASH HEIGHT INSIDE - OUTSIDE / TOTAL	56 - 55 / 75 mm
DOOR SASH HEIGHT INSIDE - OUTSIDE / TOTAL	88 - 87 / 107 mm
DOOR SASH HEIGHT INSIDE - OUTSIDE / TOTAL	66.5 - 108 / 108 mm
GLASS THICKNESS	20mm / 24 mm
NUMBER OF CHAMBER FOR FRAME PROFILES	5
NUMBER OF CHAMBER FOR SASH PROFILES	5
NUMBER OF CHAMBER FOR MULLION PROFILES	5


GENERAL FEATURES

- * Possibility of using the same reinforcement profiles for frame, sash and mullion profile.
- * 5-chamber profile designs allow the use of 20, 24mm 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, the corners can be welded using TPE gasket and thus offer a high degree of detachability.
- * It provides the advantage of fast production thanks to its self-sealing profile.



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
22

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

PVC 7000 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 , 850 mm

Resistance to static torsion – Class 4 (350 N)

Acoustic performance – $R_w (C ; C_{tr}) = 36 (-1 ; -3)$ dB

Thermal conductivity – $U_w = 2,29$ W/m²K

Air permeability – Class 4

System 3

Performance Declaration No: 6



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

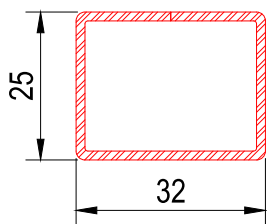
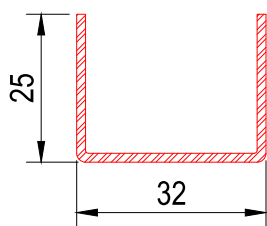
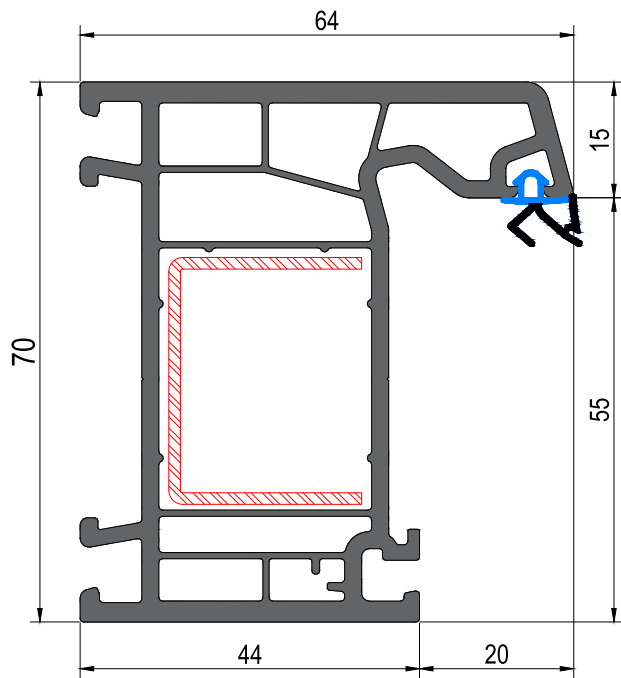
Certificate No: IMS-0411/C
Order No: 665/05
Valid from: 01.12.2022
Valid till: 14.11.2024
(subject to annual surveillance audits)




 Head
of the Certification Body
01.12.2022

Status of the certificate can be enquired by QR-code or form request to the Certification body CERT International s.r.o.
E: info@cert.org, info@cert.org, 831 02 Bratislava-Nové Mesto, Slovakia
Tel: +421232306079, www.cert.org

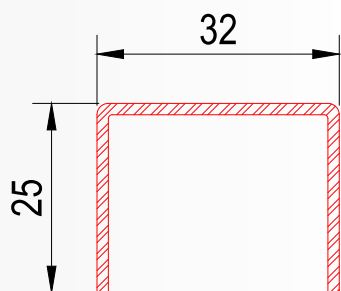
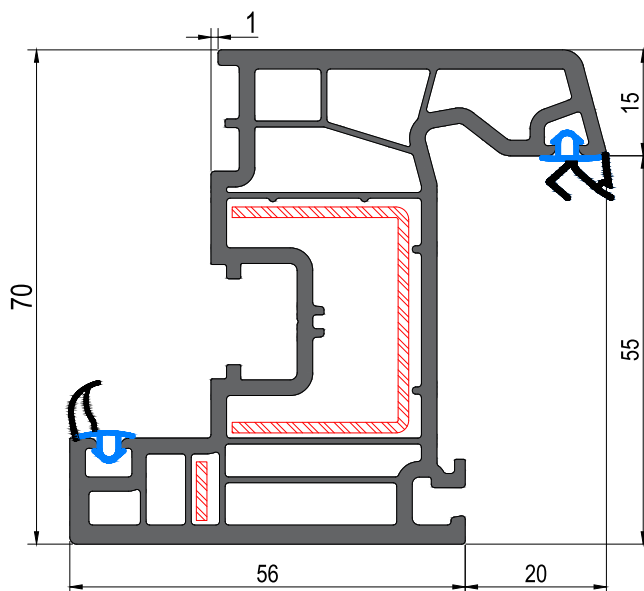
FRAME PROFILE CLASS-C PTE.70.F0011



Product Code	Thickness	Moment of Inertia	
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CLR77.W201-2	1,25	0,65	1,74
CLR77.W201-3	1,5	0,66	2,03
CLR77.W201-4	2,0	0,99	2,58
CLR77.W202-1	1	0,00	0,00
CLR77.W202-2	1,25	1,35	1,99
CLR77.W202-3	1,5	1,57	2,31
CLR77.W202-4	2,0	1,96	2,91
ACS.012.001-7003			

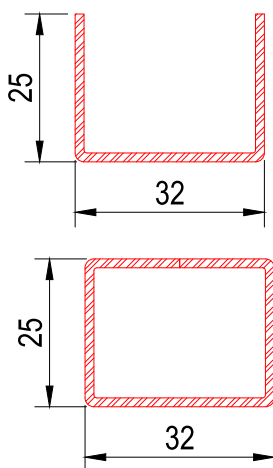
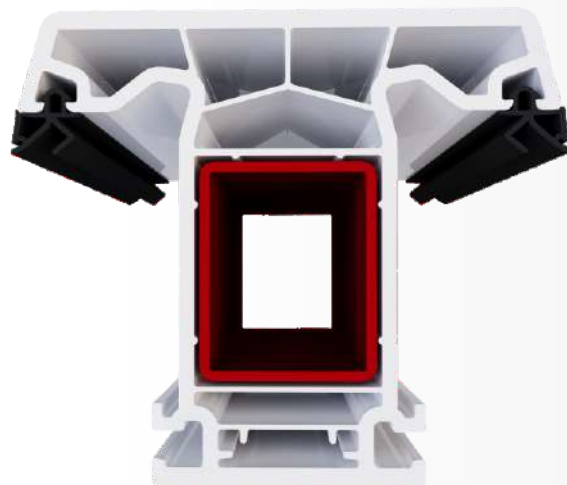
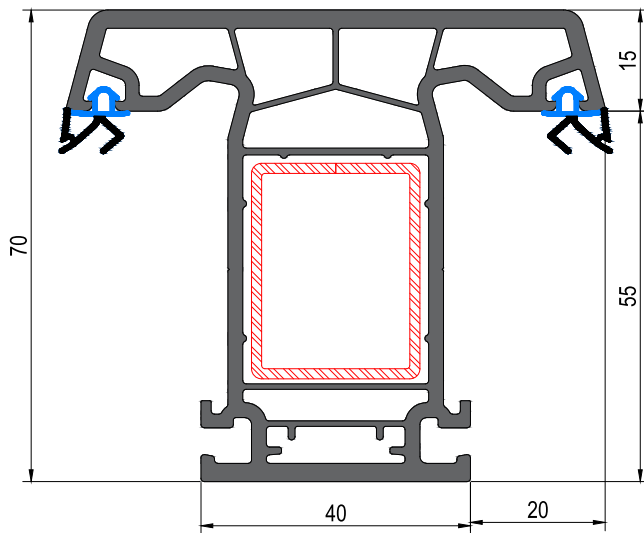
CLASS-C
PTE.70.V0011

SASH PROFILE



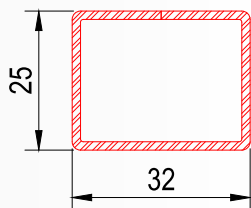
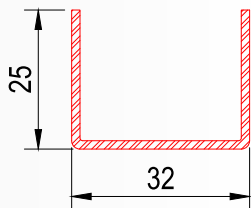
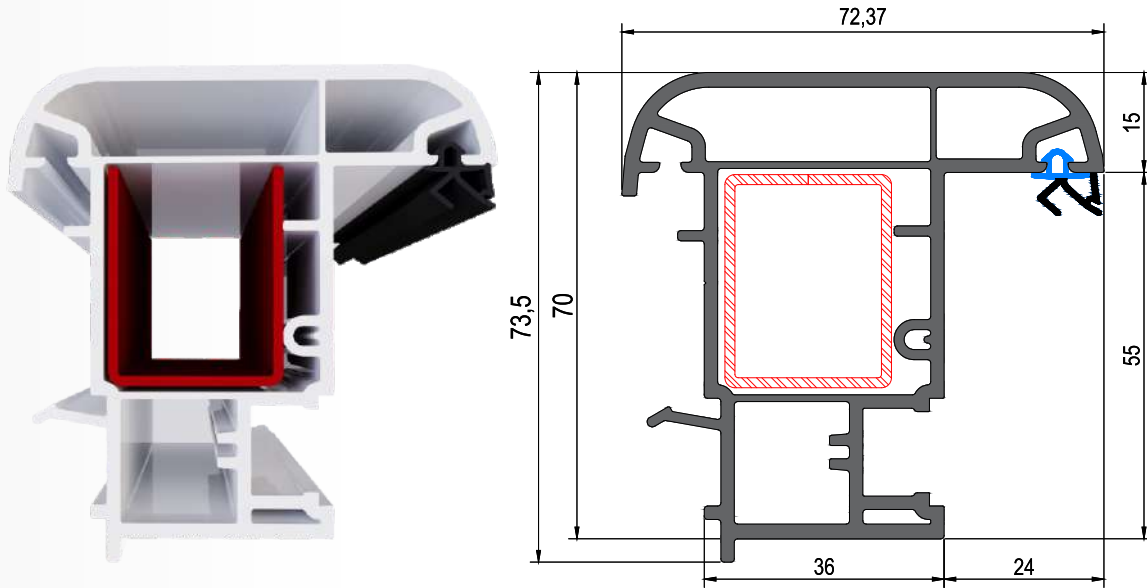
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CLR77.W201-2	1,25	0,65	1,74
CLR77.W201-3	1,5	0,66	2,03
CLR77.W201-4	2,0	0,99	2,58

MULLION PROFILE CLASS-C PTE.70.M0011



Product Code	Moment of Inertia		
	Thickness S (mm)	Ix (cm ⁴)	Iy (cm ⁴)
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CLR77.W201-2	1,25	0,65	1,74
CLR77.W201-3	1,5	0,66	2,03
CLR77.W201-4	2,0	0,99	2,58
CLR77.W202-1	1	0,00	0,00
CLR77.W202-2	1,25	1,35	1,99
CLR77.W202-3	1,5	1,57	2,31
CLR77.W202-4	2,0	1,96	2,91
ACS.012.001-7003			
ACS.033.IMP-7004			

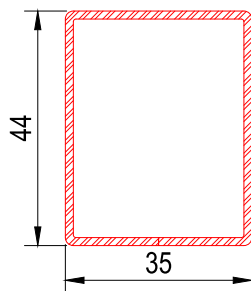
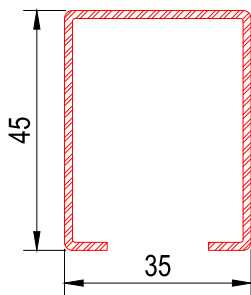
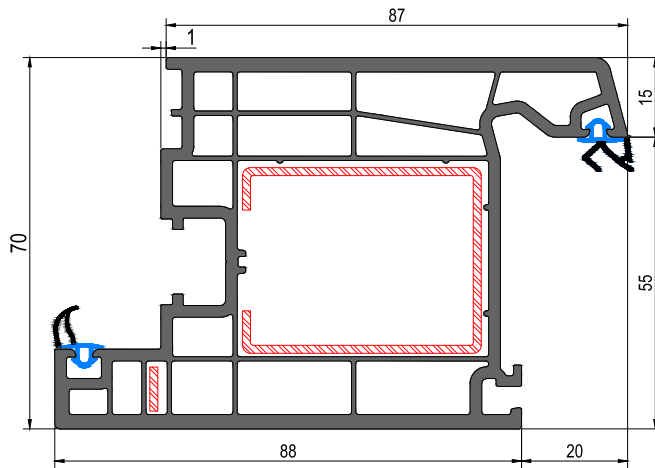
PTE.70.A0001 **MOVABLE MULLION**



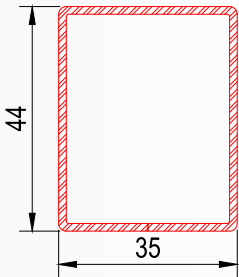
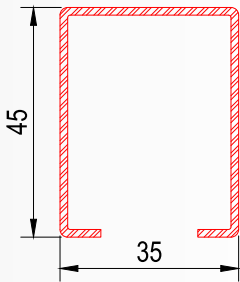
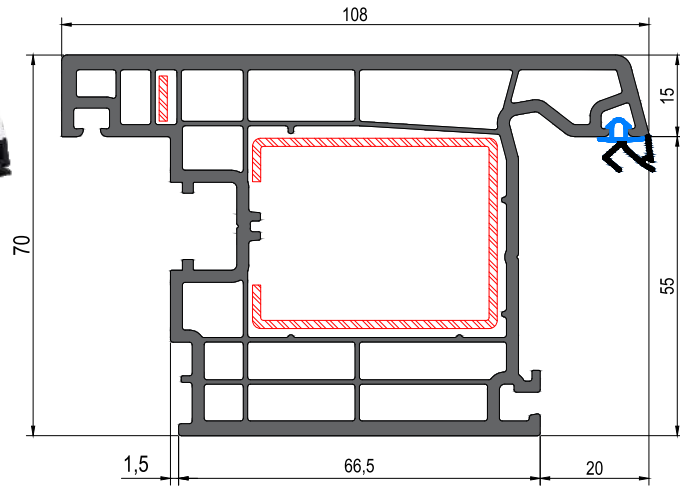
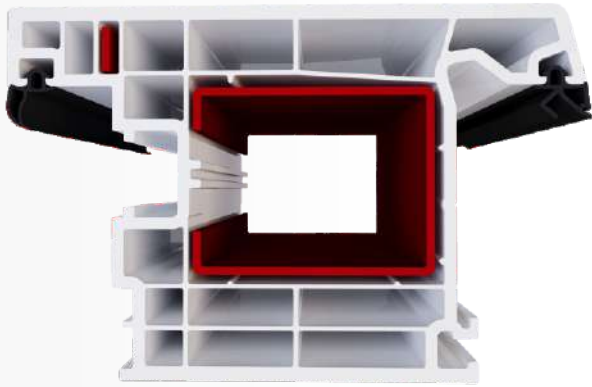
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CLR77.W201-2	1,25	0,65	1,74
CLR77.W201-3	1,5	0,66	2,03
CLR77.W201-4	2,0	0,99	2,58
CLR77.W202-1	1	0,00	0,00
CLR77.W202-2	1,25	1,35	1,99
CLR77.W202-3	1,5	1,57	2,31
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ACS.083.CCP-7076			

INWARD OPENING DOOR SASH

CLASS-C
PTE.70.V0012



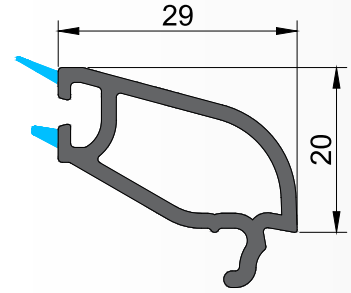
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	S (mm)	lx (cm ⁴)	ly (cm ⁴)	
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CLR77.W896-3	1,5	5,20	4,47	
CLR77.W896-4	2,0	6,32	5,63	
CLR77.W897-1	1	0,00	0,00	
CLR77.W897-2	1,25	5,45	3,82	
CLR77.W897-3	1,5	6,38	4,48	
CLR77.W897-4	2,0	8,17	5,70	



Product Code	Thickness		Moment of Inertia	
	S (mm)	ix (cm ⁴)	iy (cm ⁴)	
CLR77.W896-1	1	0,00	0,00	
CLR77.W896-2	1,25	4,59	3,85	
CLR77.W896-3	1,5	5,20	4,47	
CLR77.W896-4	2,0	6,32	5,63	
CLR77.W897-1	1	0,00	0,00	
CLR77.W897-2	1,25	5,45	3,82	
CLR77.W897-3	1,5	6,38	4,48	
CLR77.W897-4	2,0	8,17	5,70	

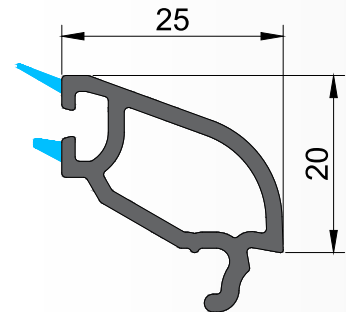
DOUBLE GLAZING BEAD 20MM

PTE.70.G0001



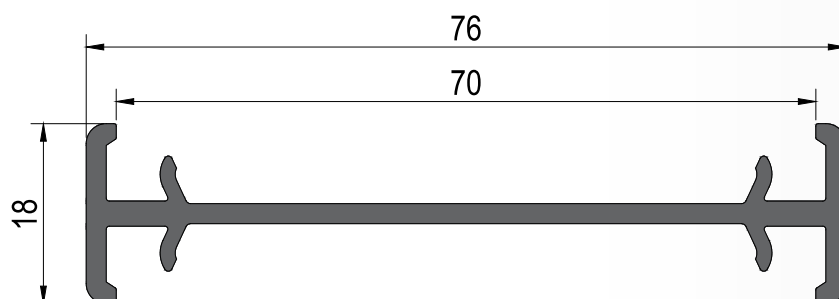
TRIPLE GLAZING BEAD 24MM

PTE.70.G0002



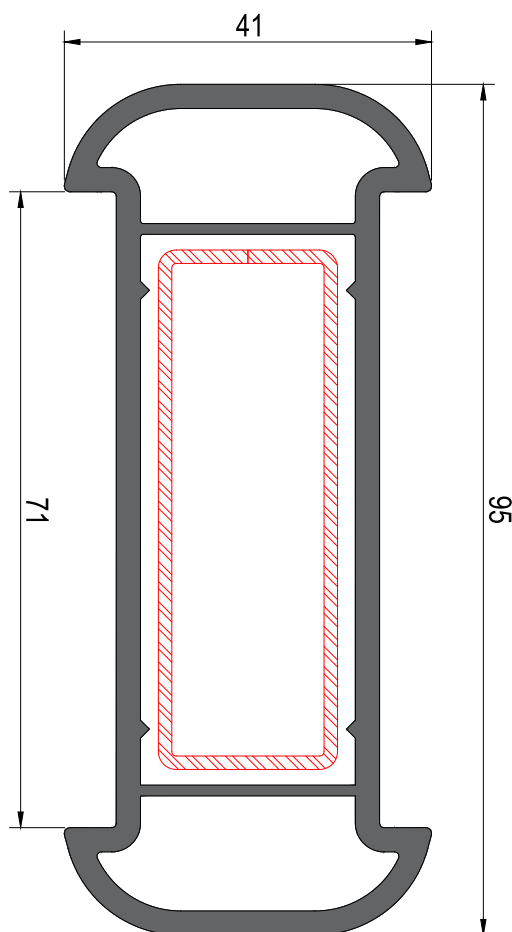
NARROW COUPLING PROFILE

PTG.70.A0003



WIDE COUPLING PROFILE

PTG.80.A0005

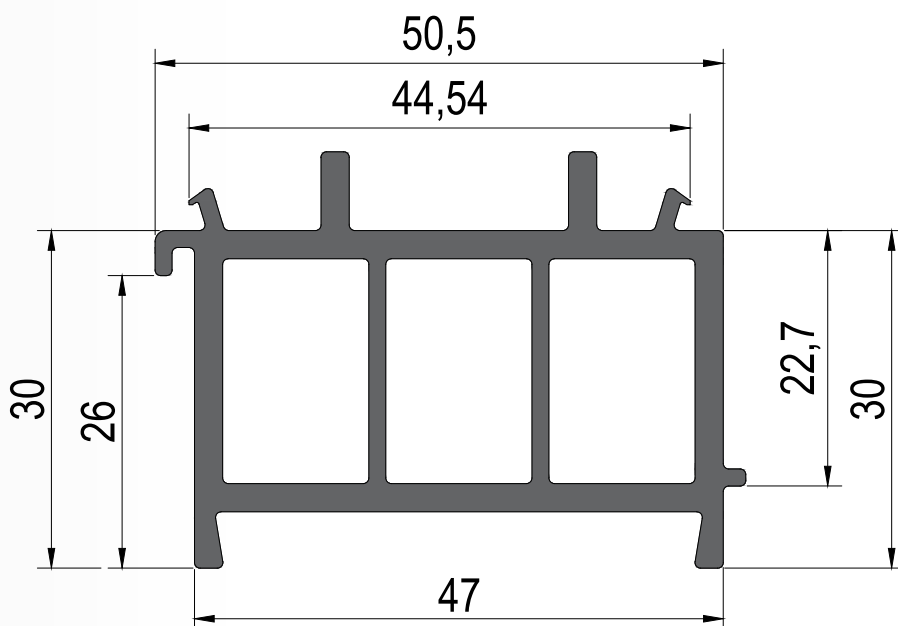


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CLR77.W899-3	1,5	1,85	8,68
CLR77.W899-4	2,0	1,99	11,24



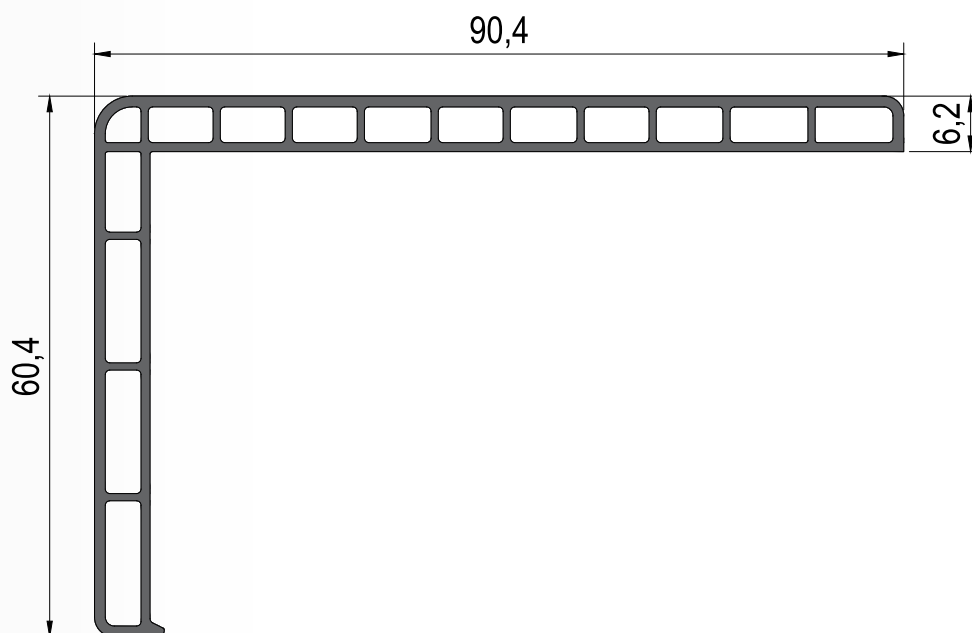
FRAME LIFTING PROFILE

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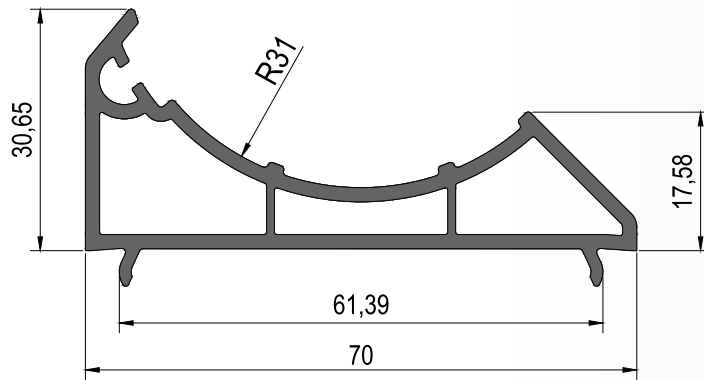
MASKING PROFILE

PVF.CP.F0001



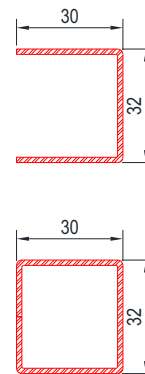
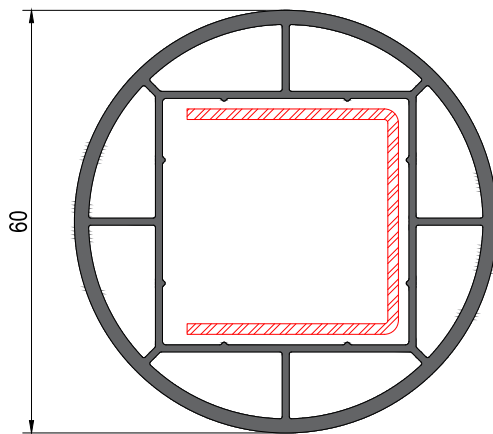
ANGLED CORNER ADAPTER

PTG.70.A0004



CORNER PIPE PROFILE

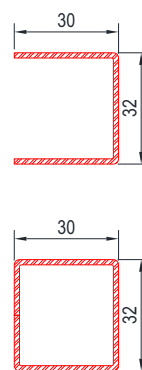
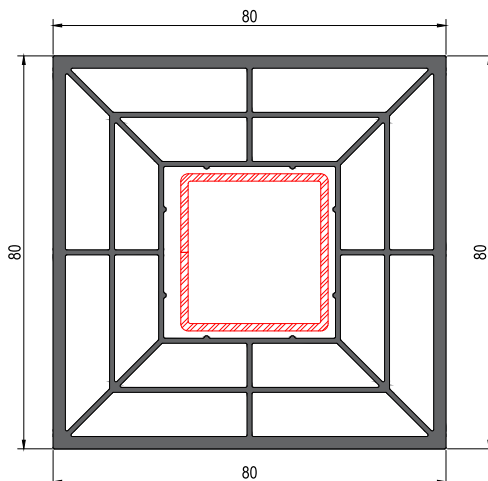
PT3.60.A0006



Product Code	Thickness	Moment of Inertia	
	S (mm)	Ix (cm ⁴)	Iy (cm ⁴)
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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
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CLR77.W891-4	2,0	3,03	3,36

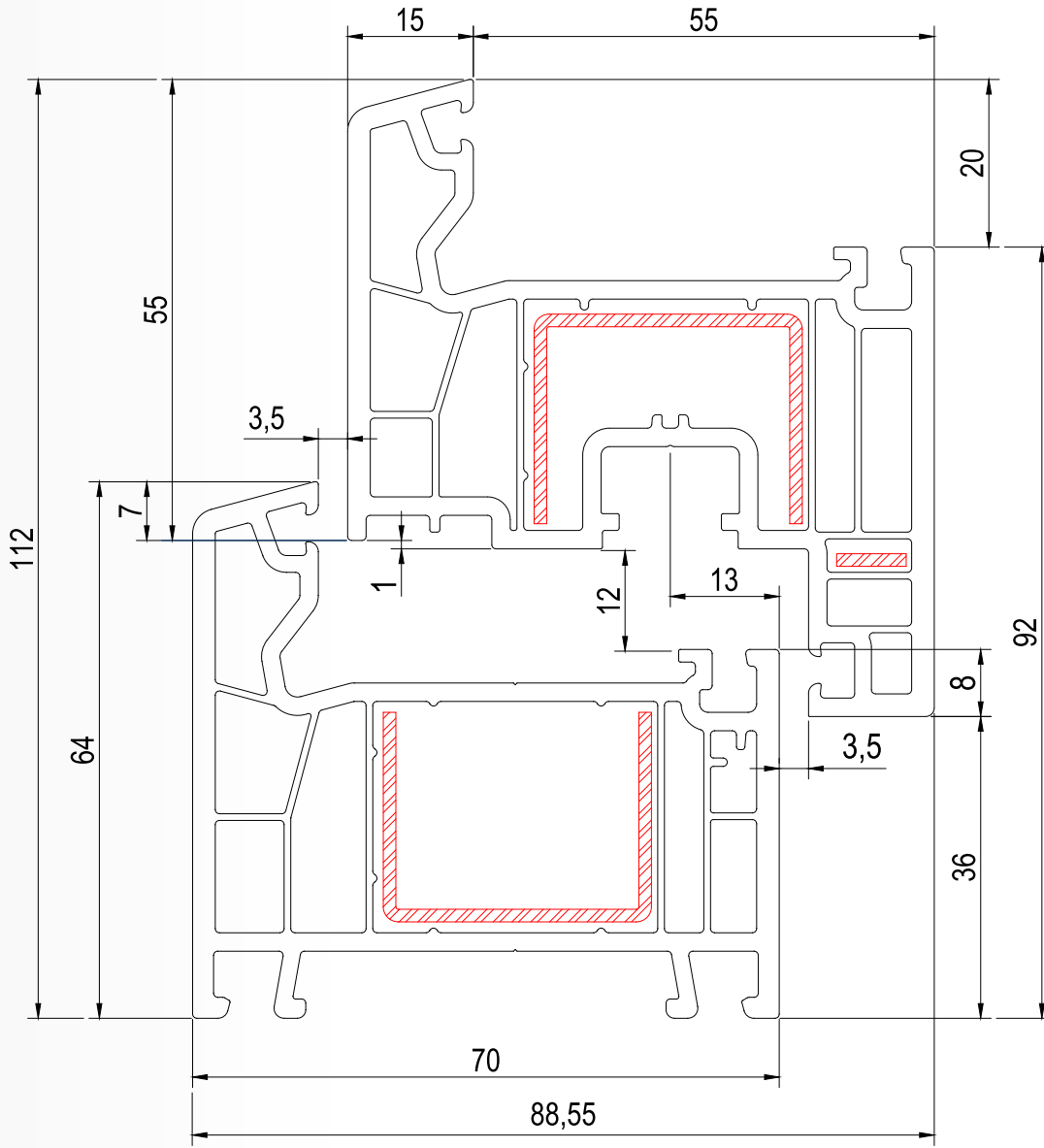
CORNER BOX PROFILE

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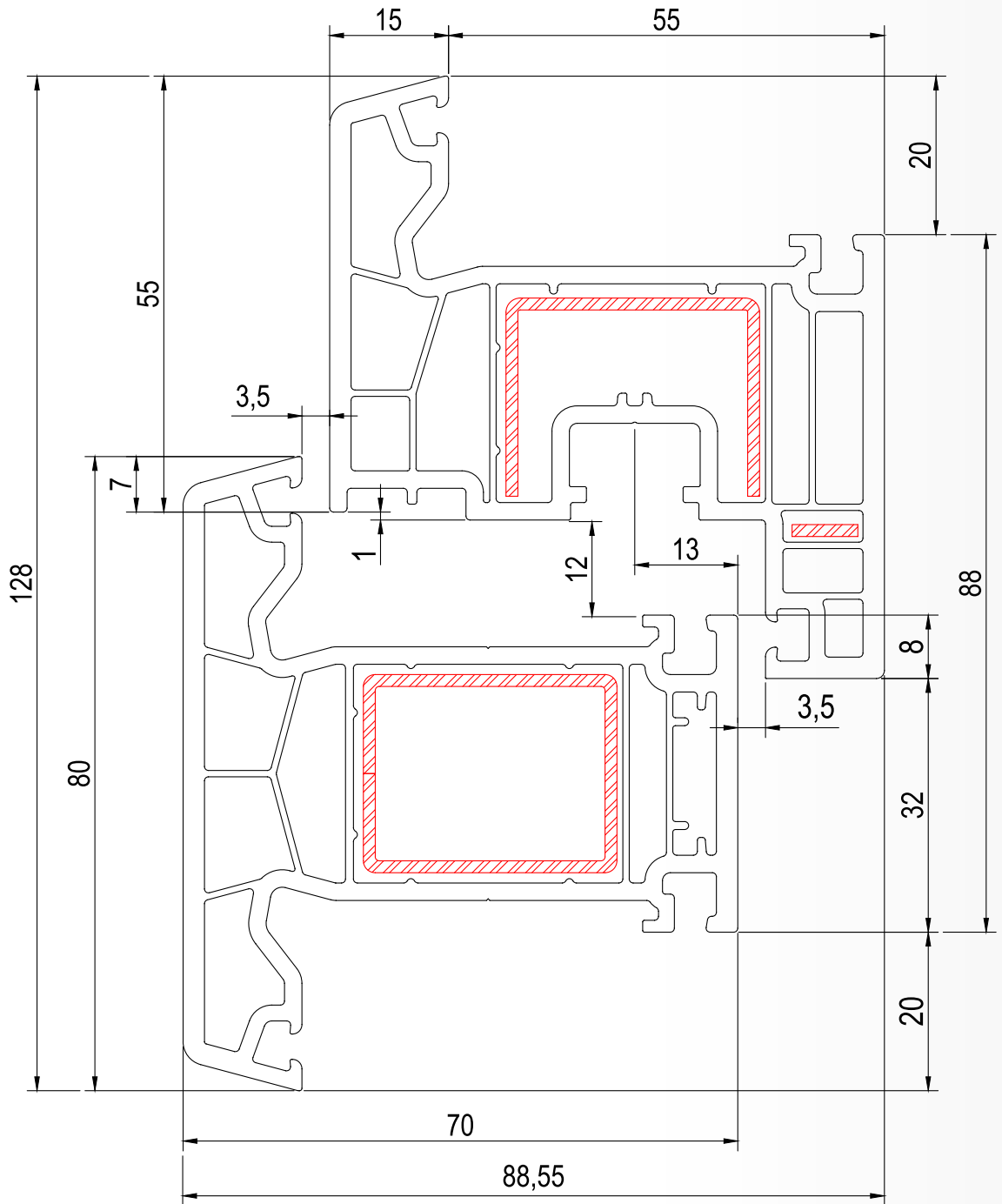


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CLR77.W890-4	2,0	1,63	3,03
CLR77.W891-1	1	0,00	0,00
CLR77.W891-2	1,25	2,07	2,29
CLR77.W891-3	1,5	2,40	2,66
CLR77.W891-4	2,0	3,03	3,36

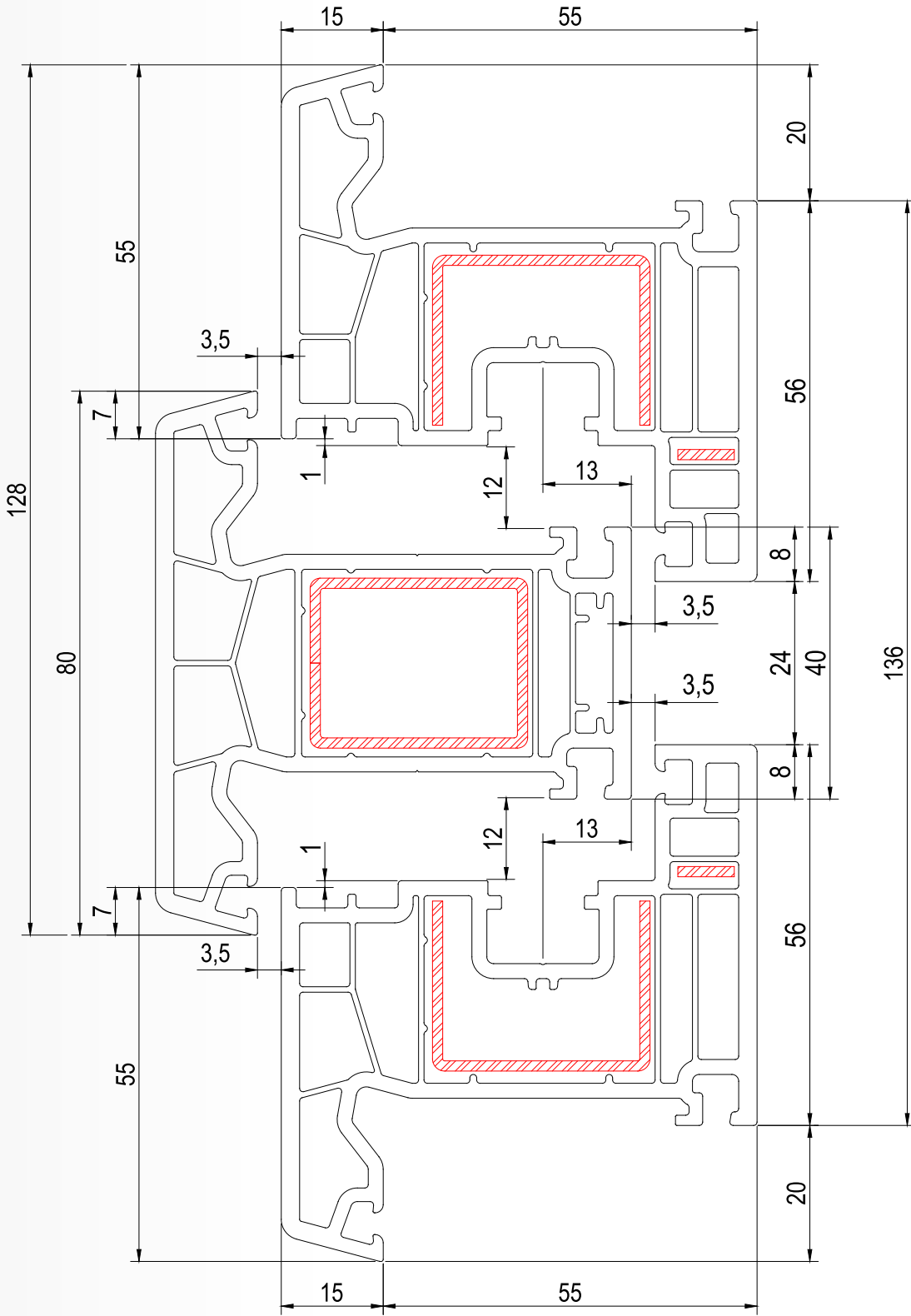
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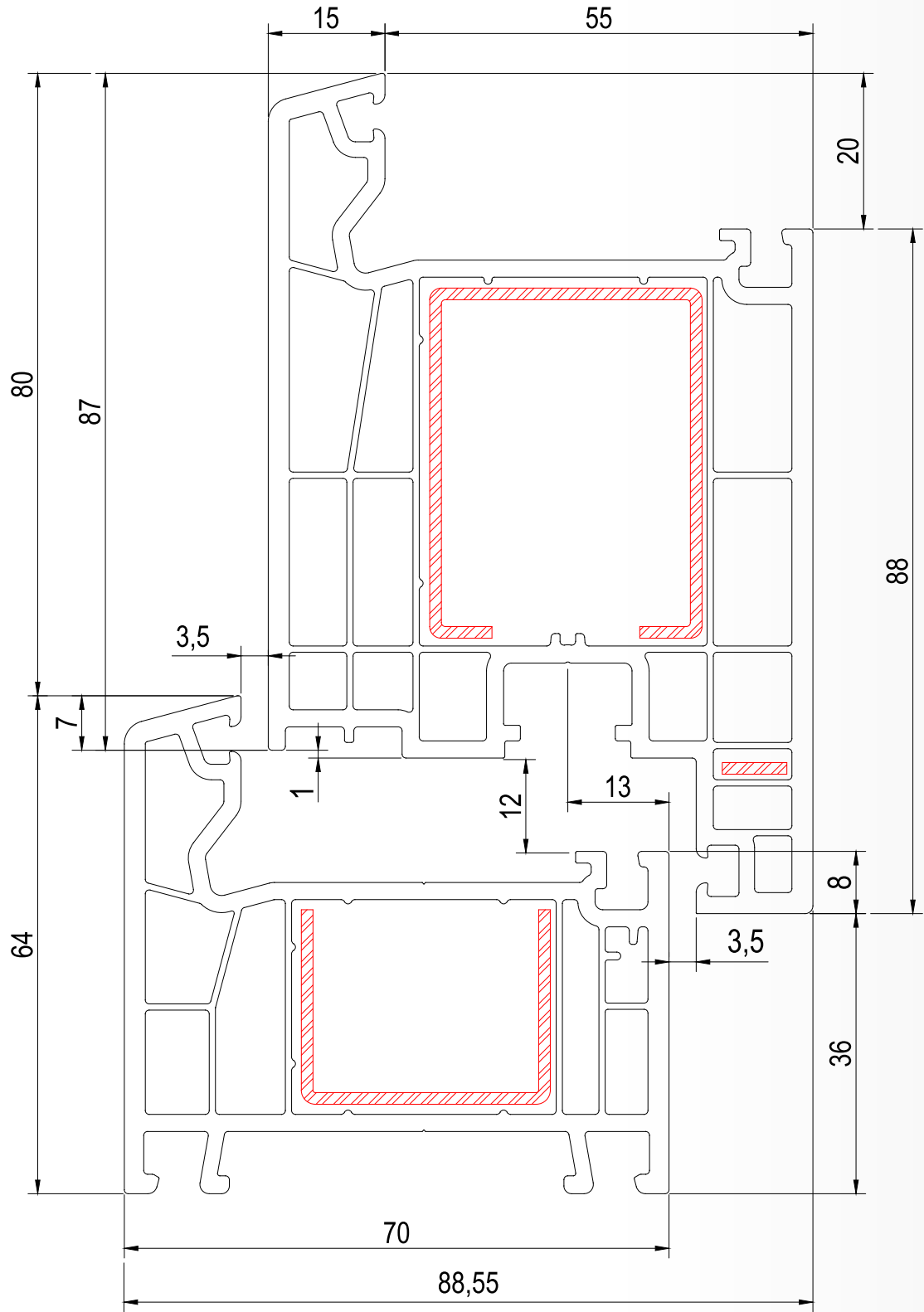
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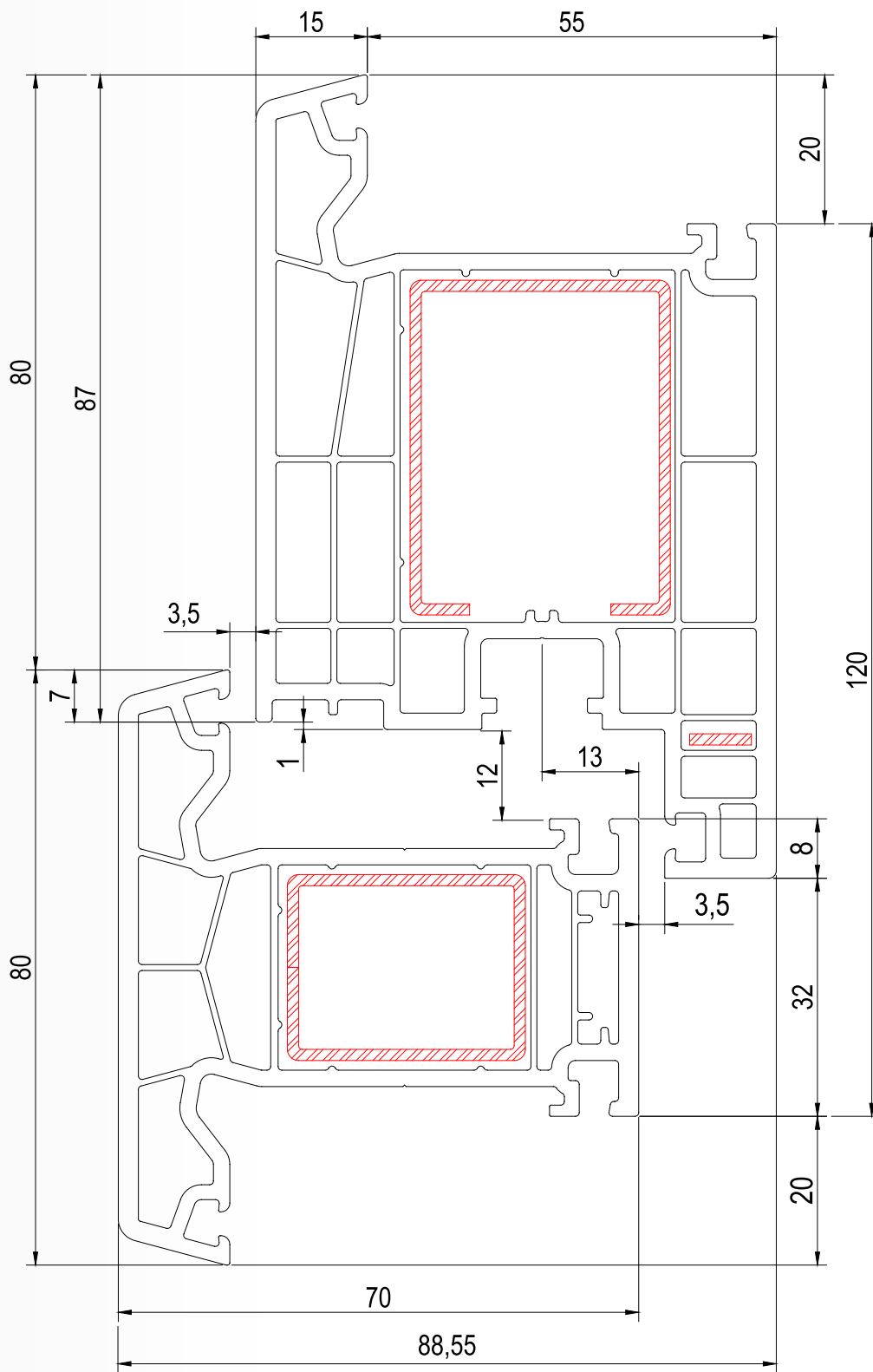
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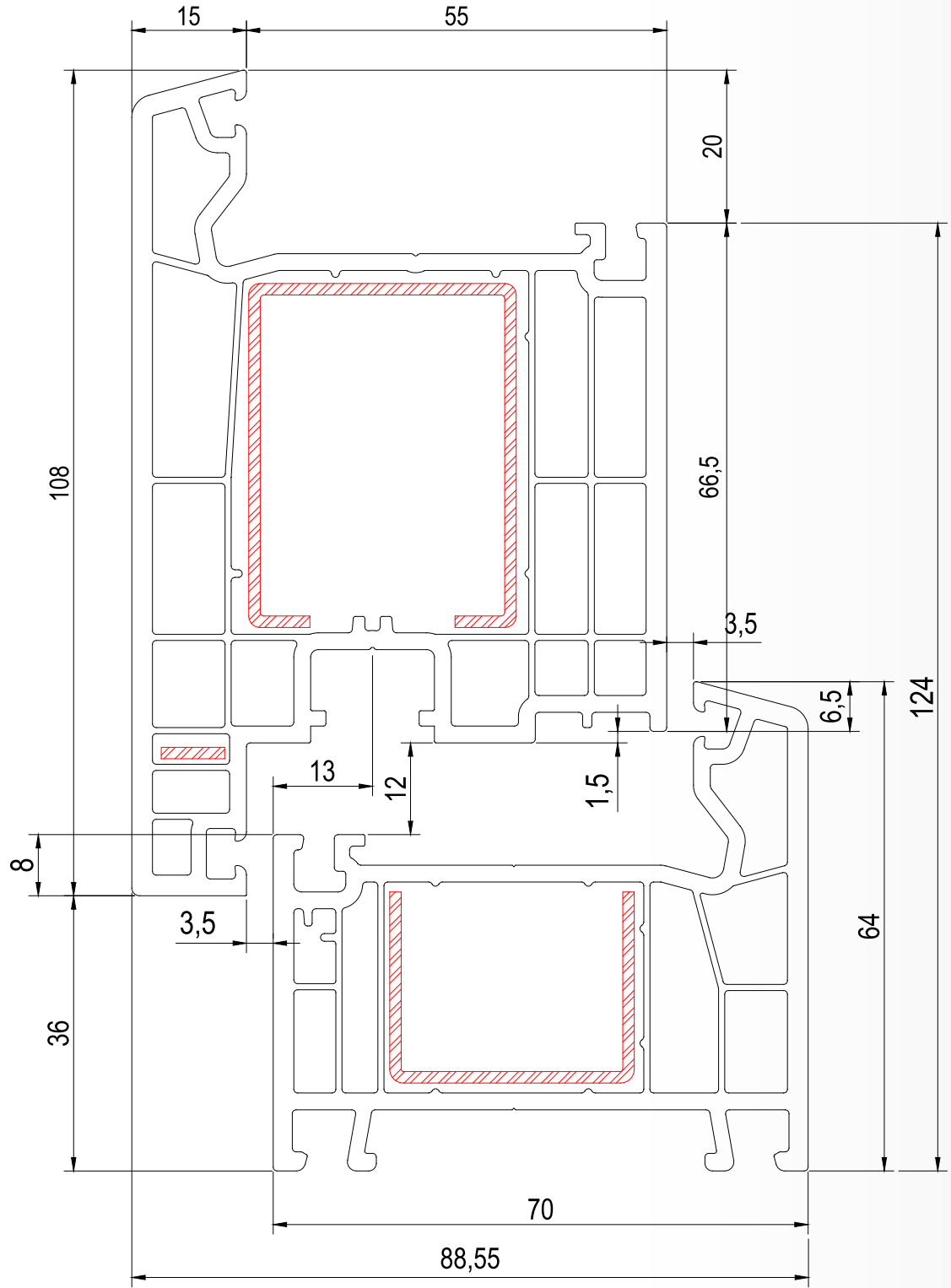
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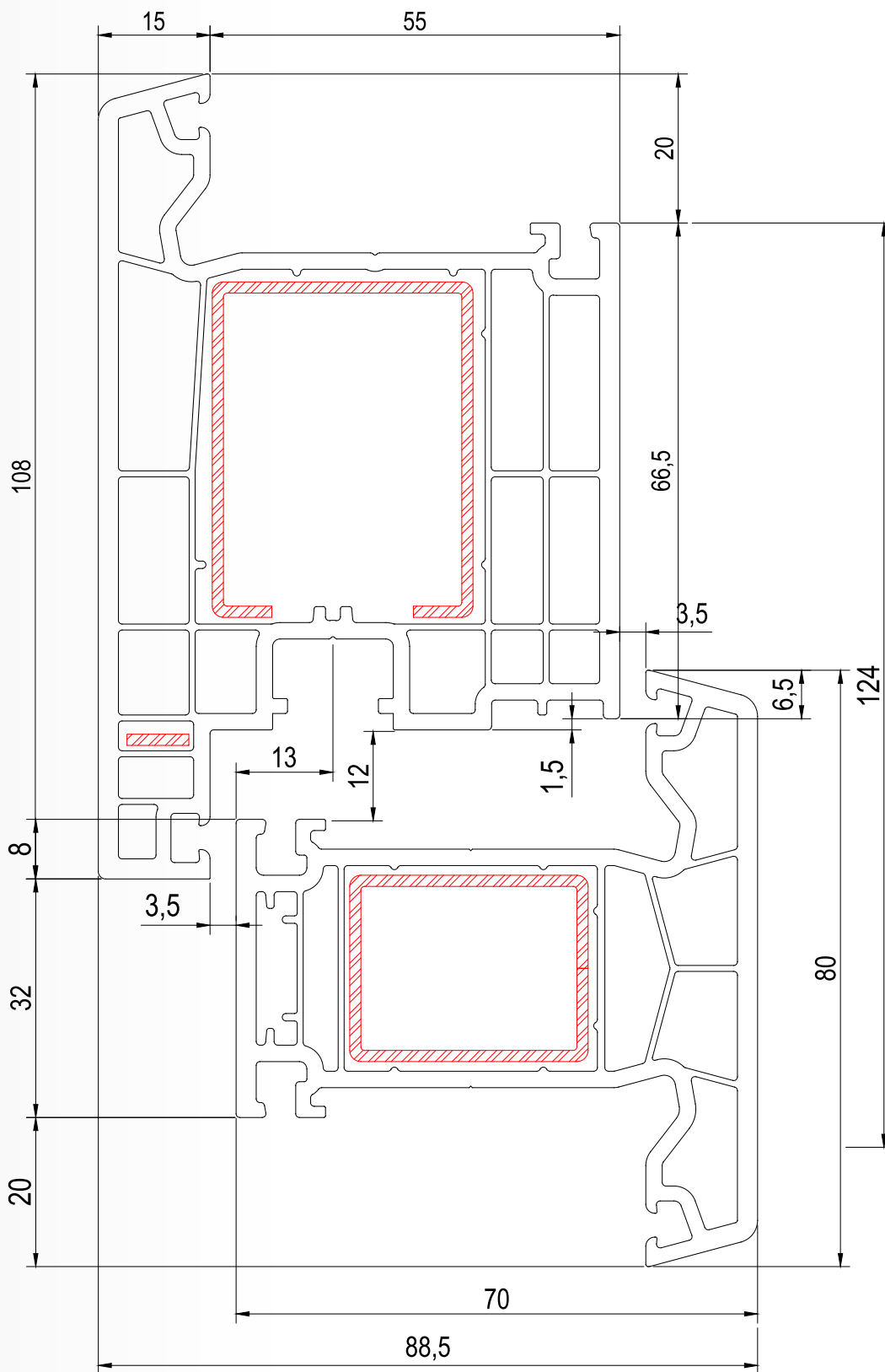
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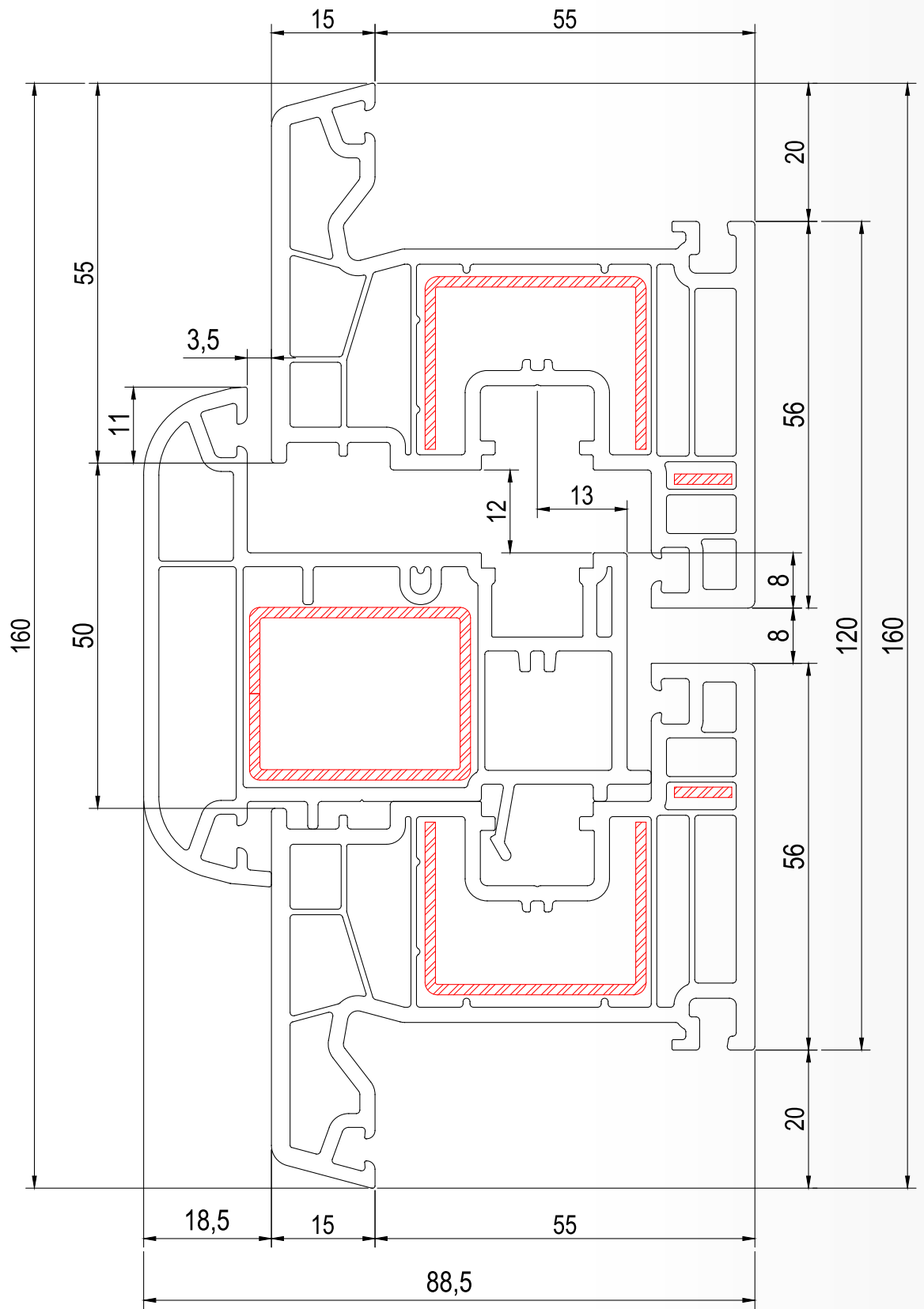
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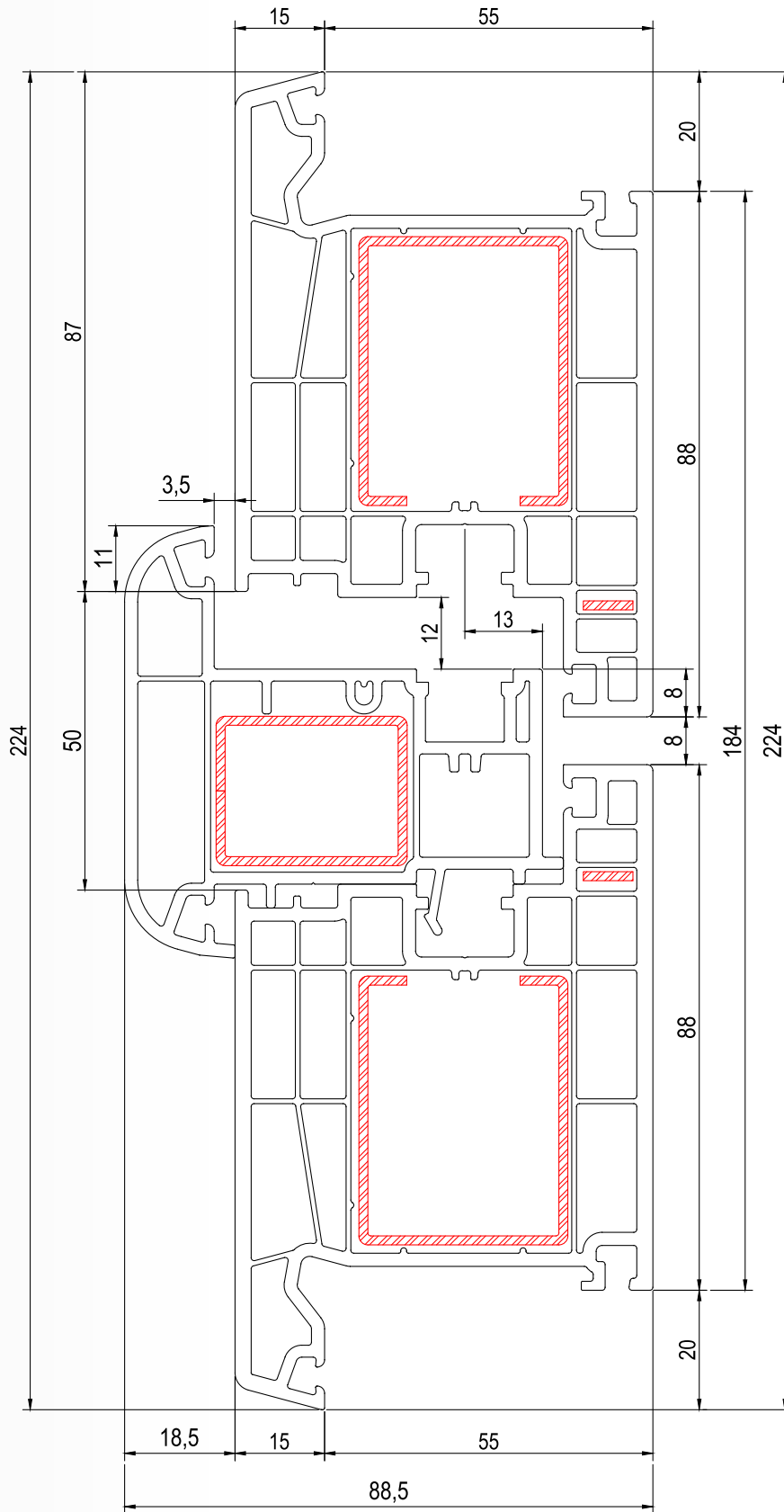
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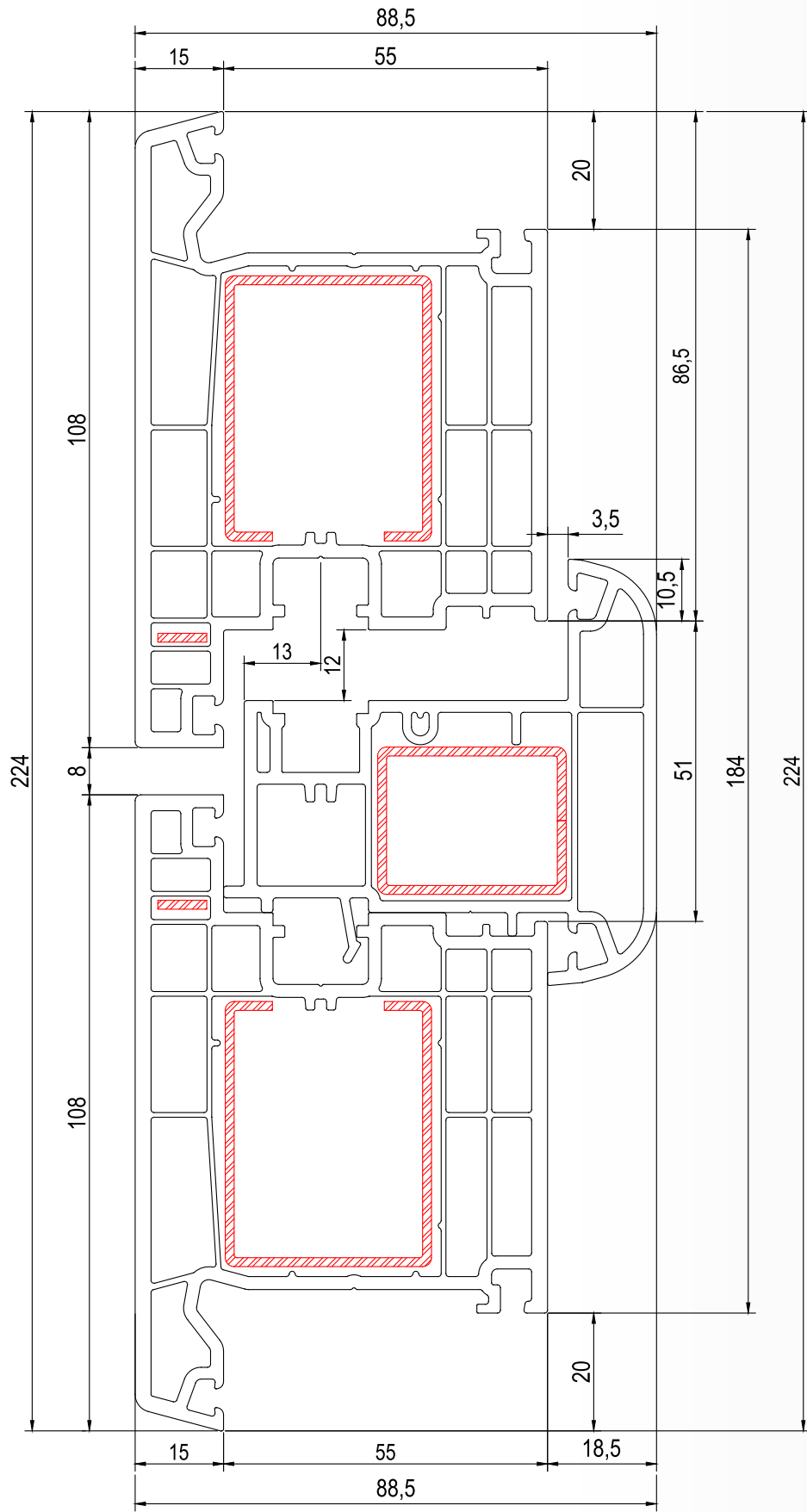
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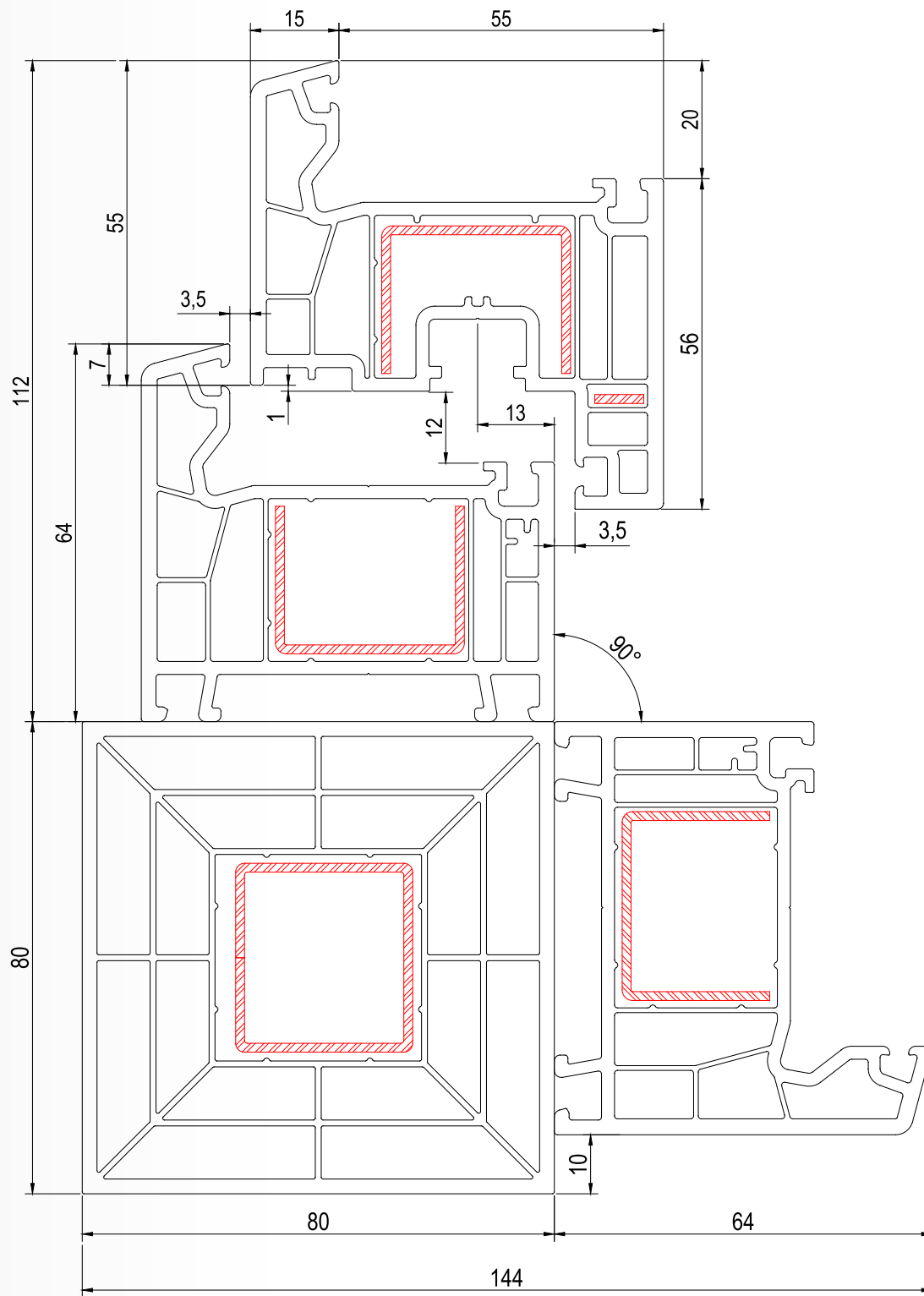
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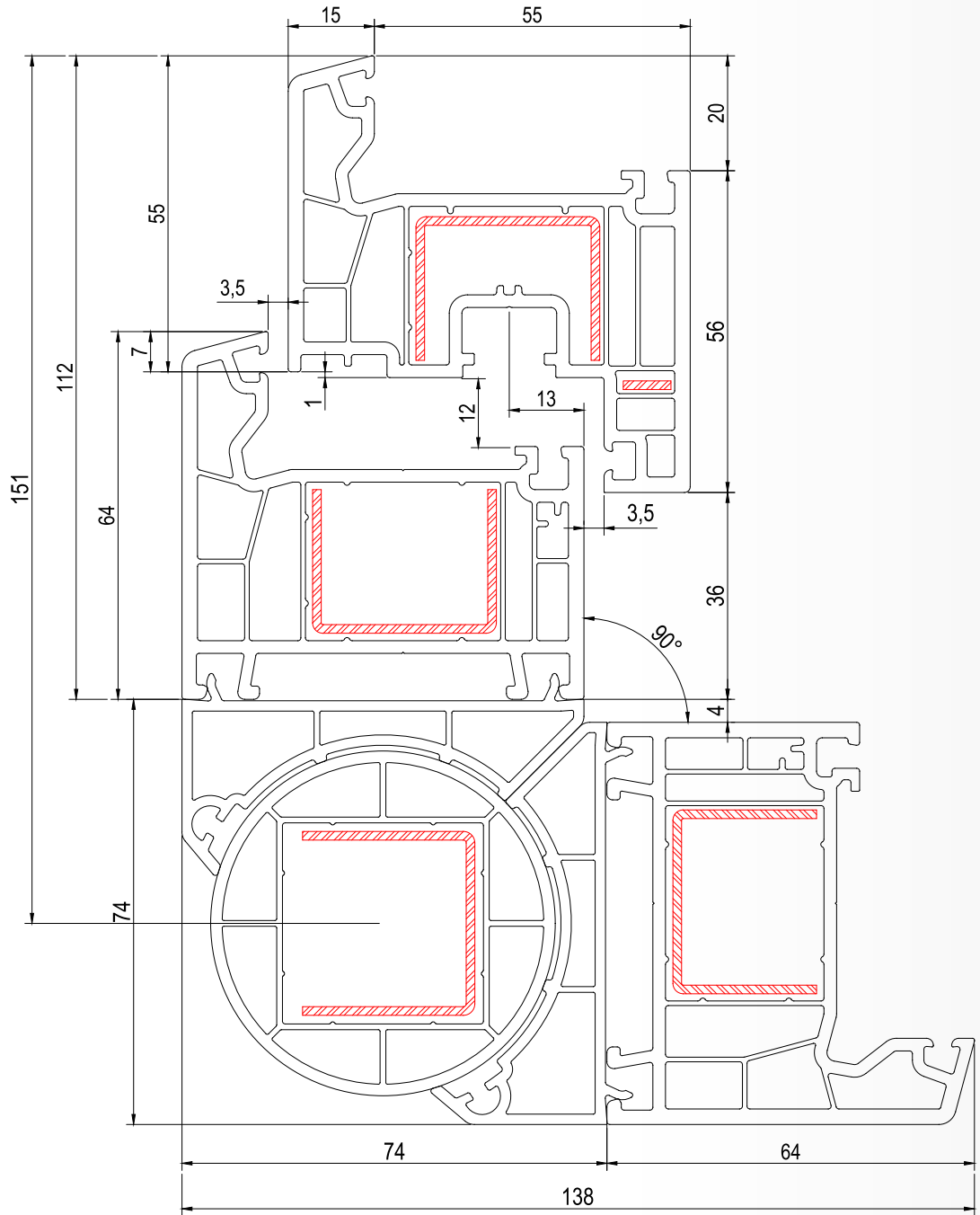
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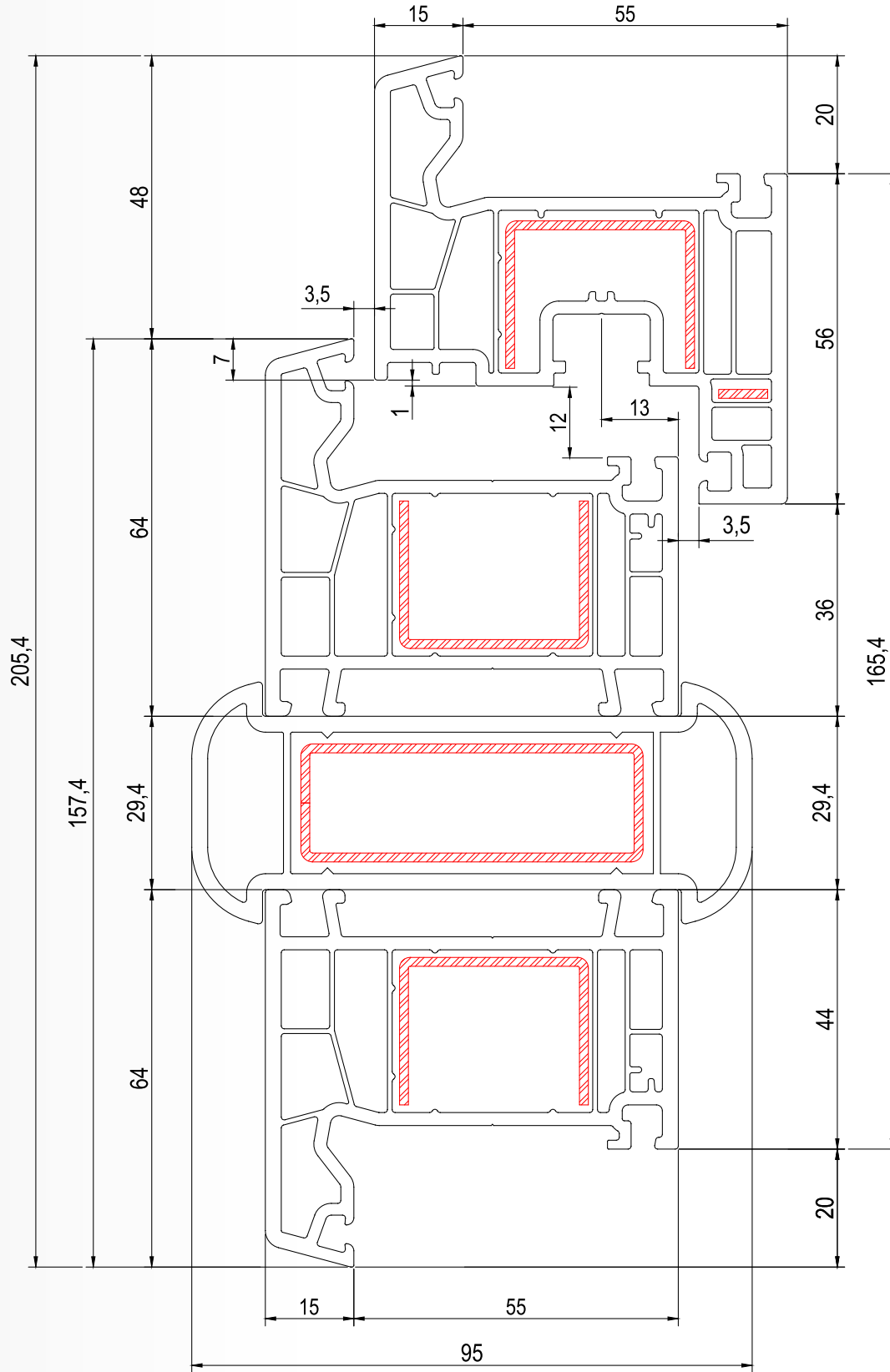
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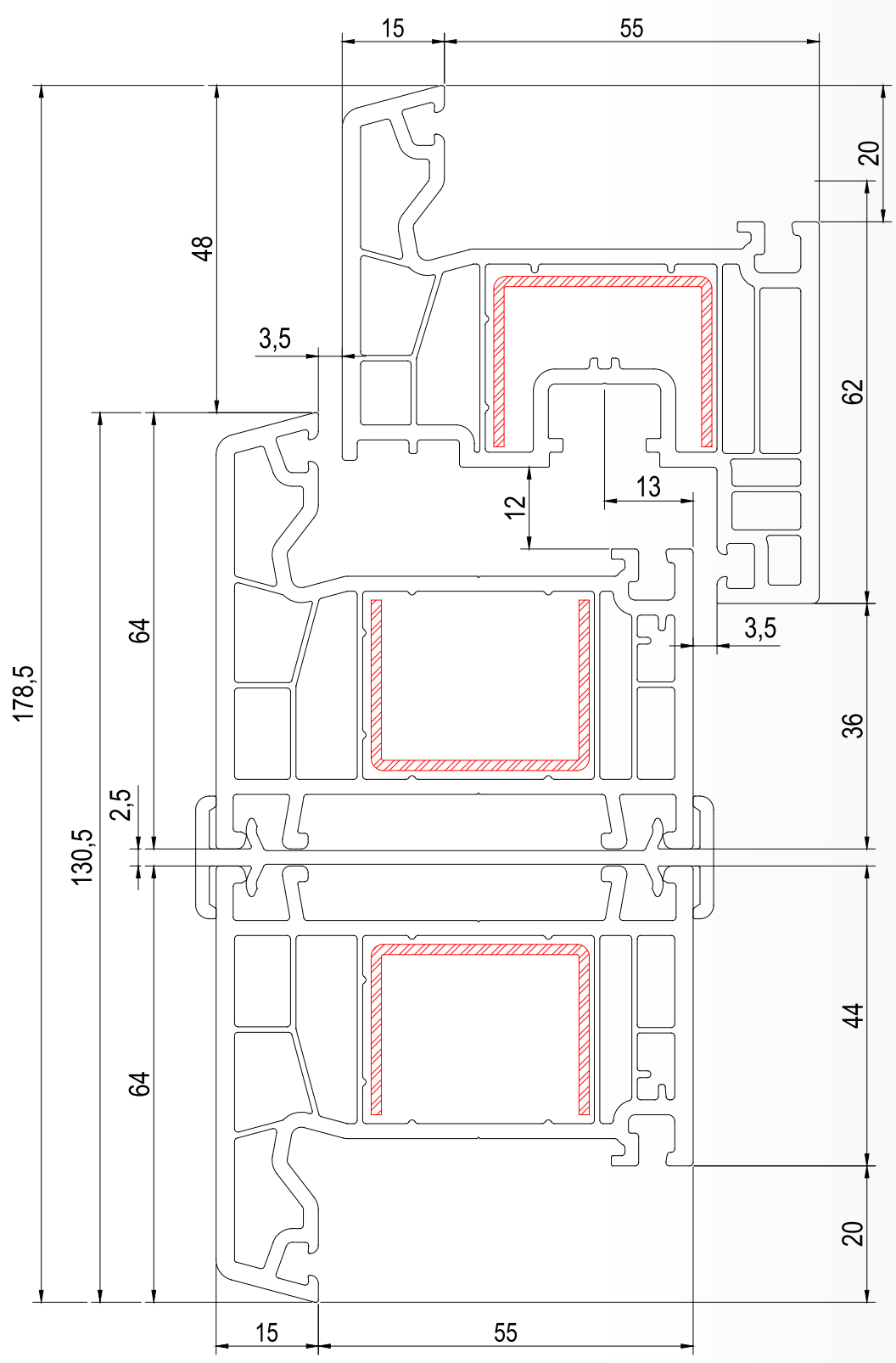
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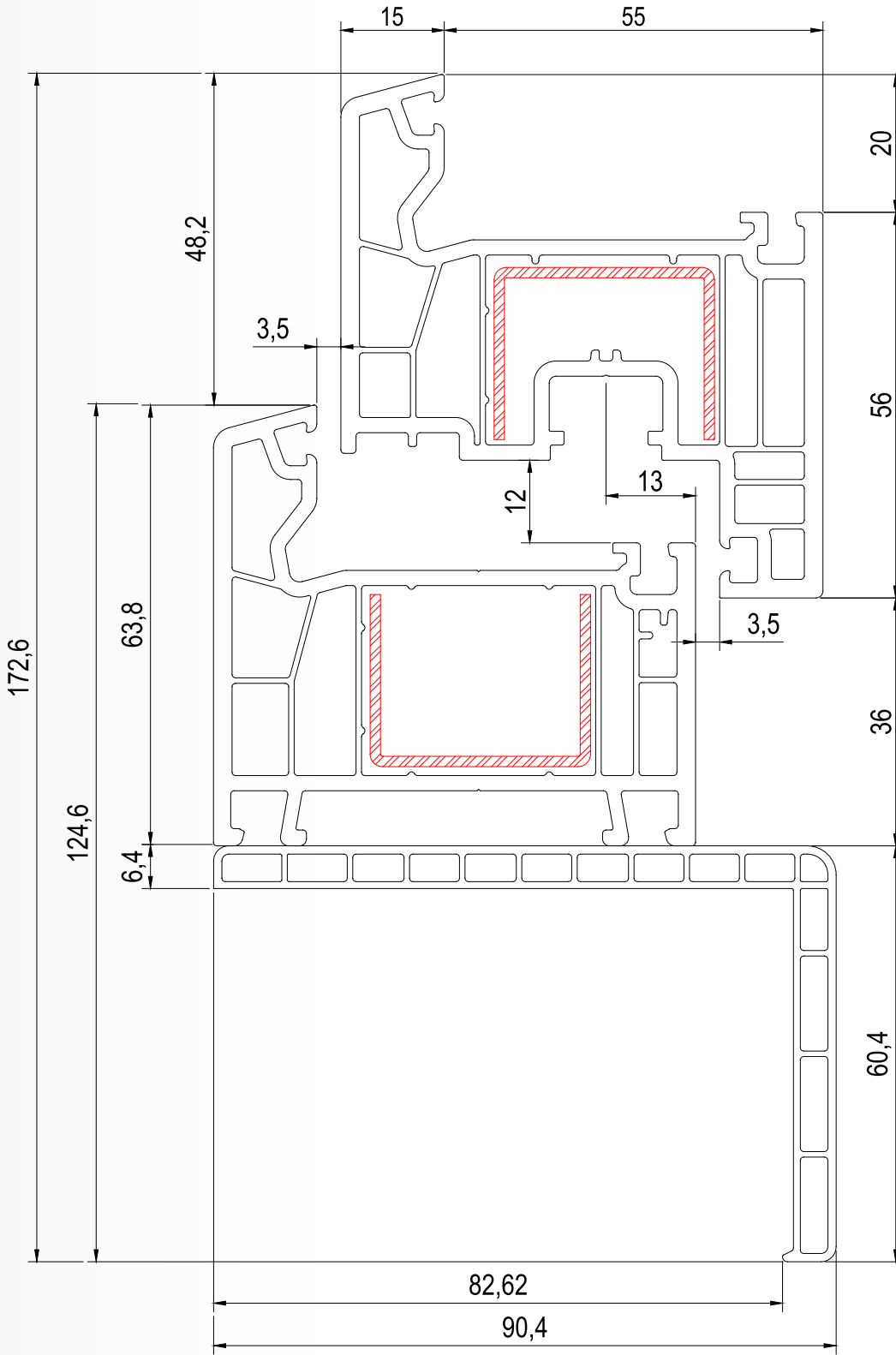
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DIMENSIONED SECTION DETAILS

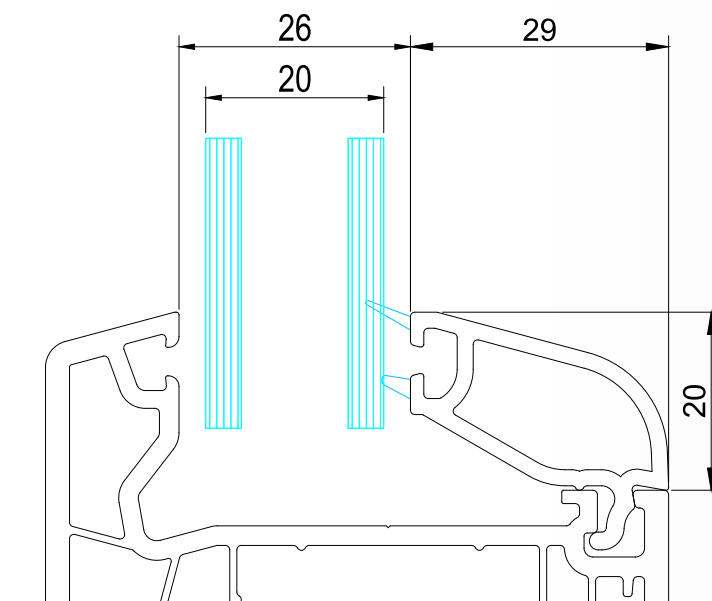


DIMENSIONED SECTION DETAILS



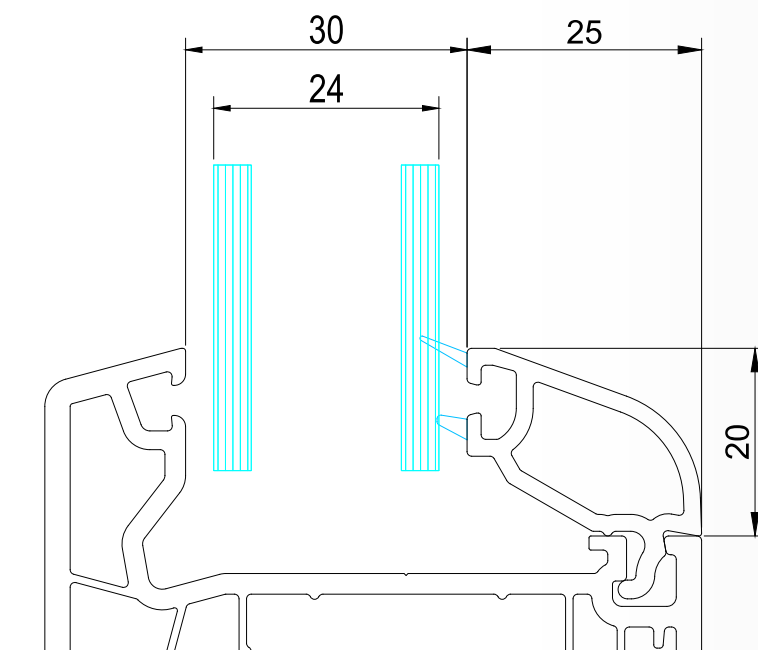
DOUBLE GLAZING BEAD 20MM

PTE.70.G0001

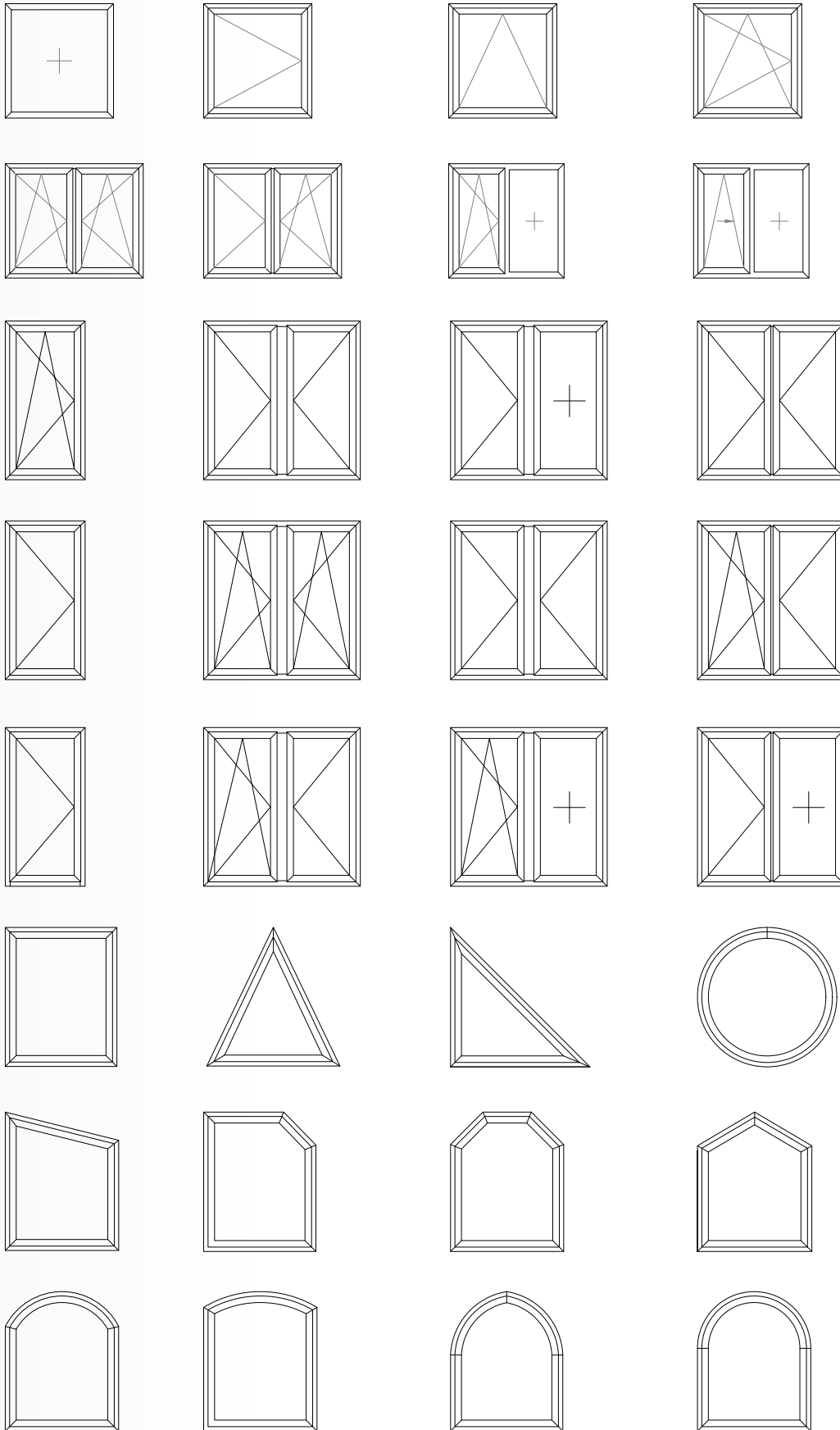


DOUBLE GLAZING BEAD 24MM

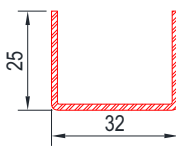
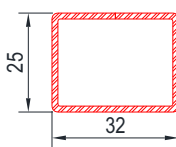
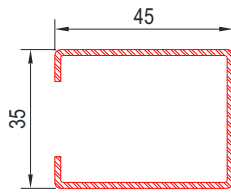
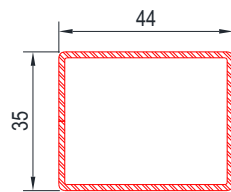
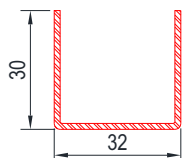
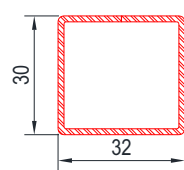

PTE.70.G0002



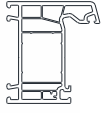
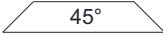


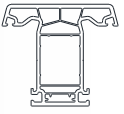
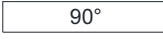
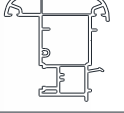
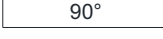
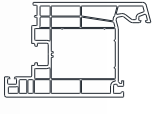
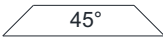
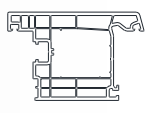


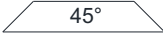
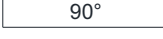


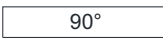




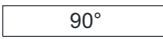

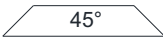


OPENING TYPES



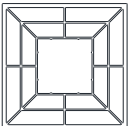
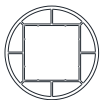









REINFORCEMENT PROFILES

Metall Reinforcement Profiles	Product Code	Thickness (S) (mm)	Moment of Inertia	
			I _x (cm ⁴)	I _y (cm ⁴)
	CLR77.W201-1	1	0,00	0,00
	CLR77.W201-2	1,25	0,65	1,74
	CLR77.W201-3	1,5	0,66	2,03
	CLR77.W201-4	2,0	0,99	2,58
	CLR77.W202-1	1	0,00	0,00
	CLR77.W202-2	1,25	1,35	1,99
	CLR77.W202-3	1,5	1,57	2,31
	CLR77.W202-4	2,0	1,96	2,91
	CLR77.W896-1	1	0,00	0,00
	CLR77.W896-2	1,25	4,59	3,85
	CLR77.W896-3	1,5	5,20	4,47
	CLR77.W896-4	2,0	6,32	5,63
	CLR77.W897-1	1	0,00	0,00
	CLR77.W897-2	1,25	5,45	3,82
	CLR77.W897-3	1,5	6,38	4,48
	CLR77.W897-4	2,0	8,17	5,70
	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.W899-1	1	0,00	0,00
	CLR77.W899-2	1,25	1,36	7,34
	CLR77.W899-3	1,5	1,85	8,68
	CLR77.W899-4	2,0	1,99	11,24

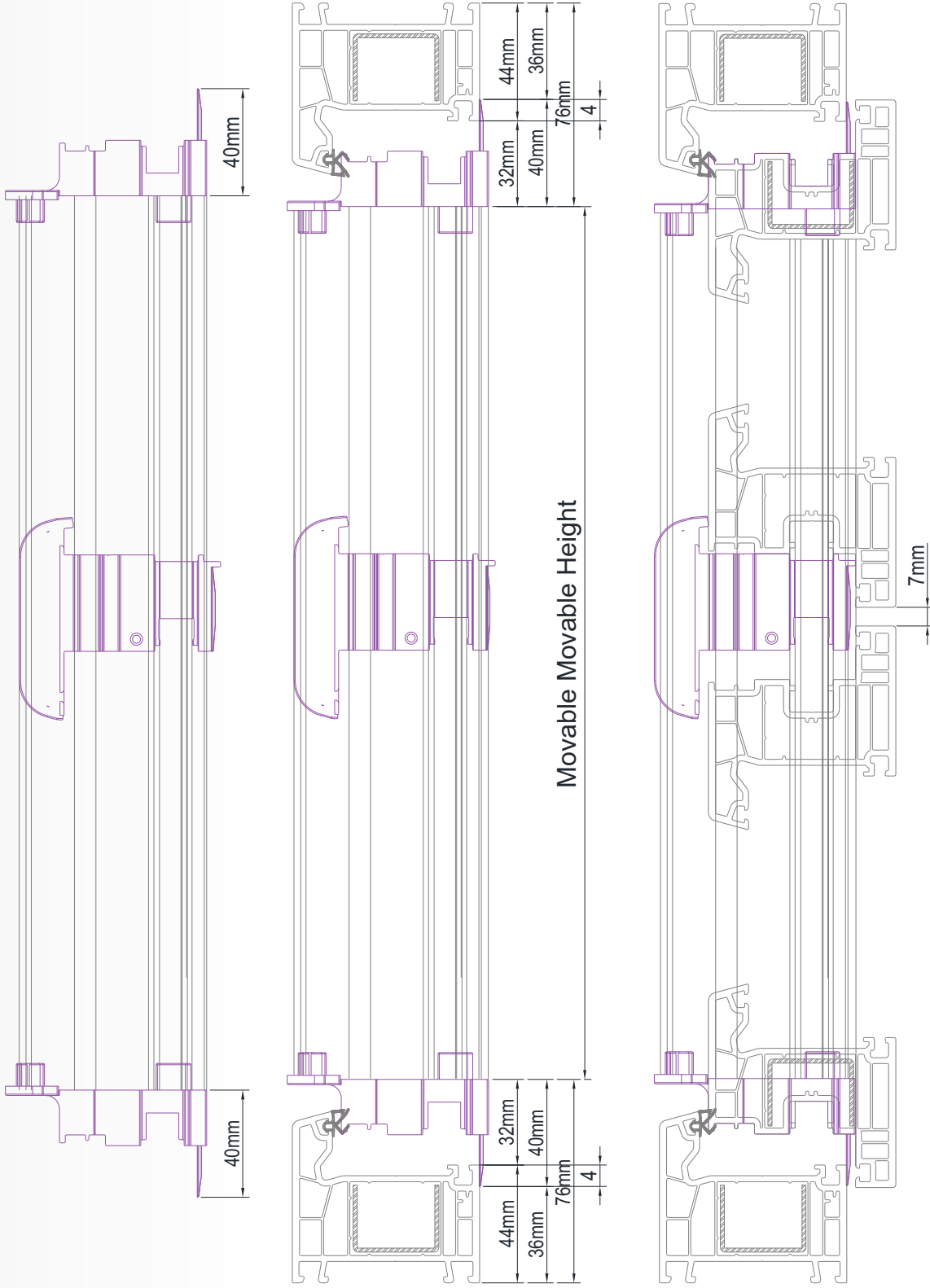
PROFILE CUTTING ANGLES

Profile code	Drawings	Cutting angle (45°/90°)	Material	Description
PTE.70.F0011			PVC	Frame profile
PTE.70.V0011			PVC	Sash profile
PTE.70.M0011			PVC	Mullion profile
PTE.70.A0001			PVC	Movable mullion adaptor
PTE.70.V0012			PVC	Inward opening door sash
PTE.70.V0013			PVC	Outward opening door sash
CLR77.W201 CLR77.W202		 	Steel	Reinforcement profile Box - U
CLR77.W896 CLR77.W897		 	Steel	Reinforcement profile Box - U
CLR77.W890 CLR77.W891		 	Steel	Reinforcement profile Box - U
CLR77.W899			Steel	Reinforcement profile Box
PTE.70.G0001			PVC	Triple glazing bead 32mm
PTE.70.G0002			PVC	Double glazing bead 24mm

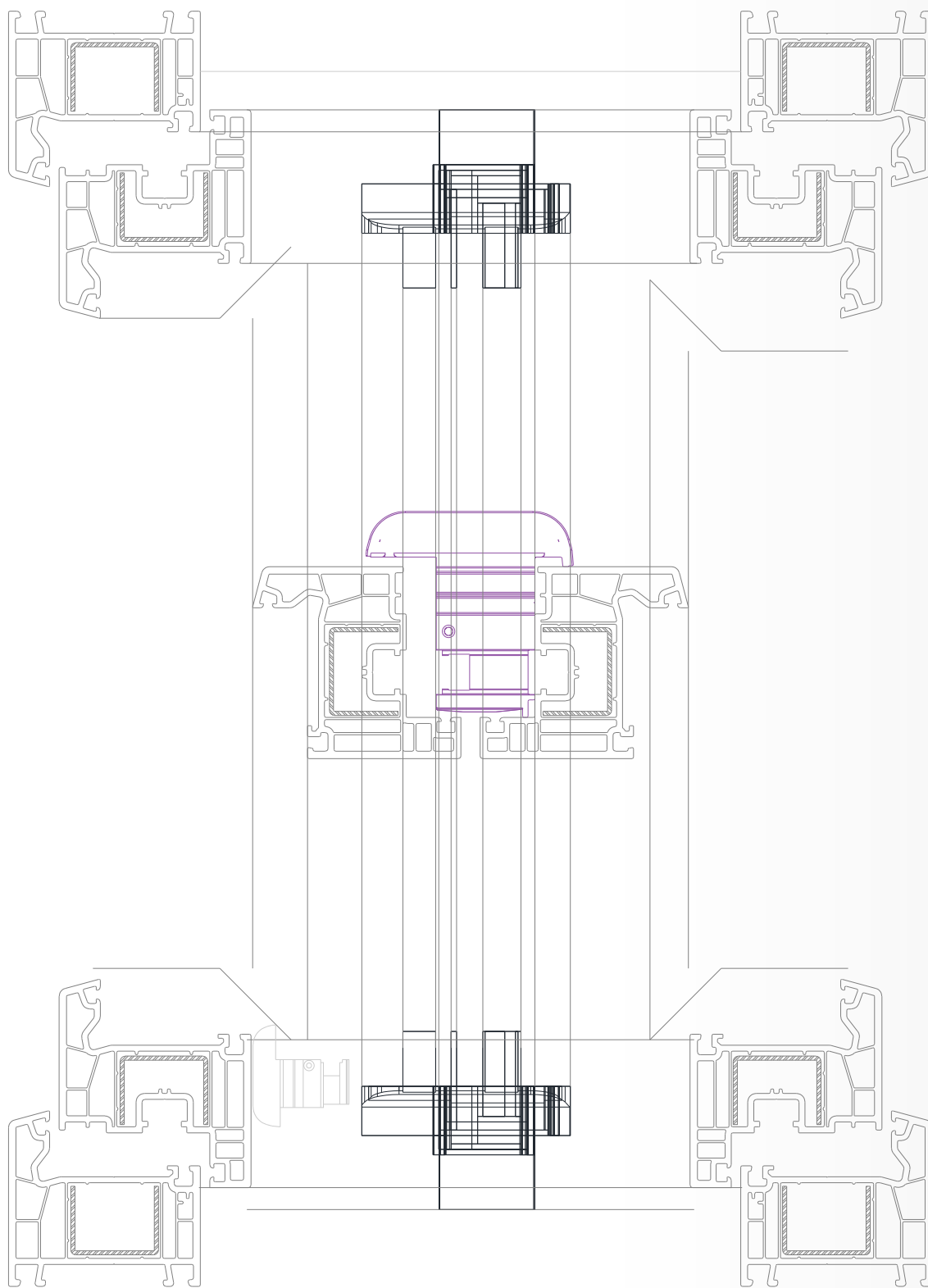
REINFORCEMENT PROFILES

Profile code	Drawing	Cutting angle (45°/90°)	Material	Description
PTG.80.A0003		90°	PVC	Corner Box Profile
PT3.60.A0006		90°	PVC	Corner Pipe Profile
PTG.80.A0002		90°	PVC	Angled corner profile
PTG.70.A0004		90°	PVC	Wide coupling profile
PTG.70.A0003		90°	PVC	Narrow coupling profile
CLR77.W899		Cutting angle (45°/90°)	Steel	Reinforcement profile Box
CLR77.W890 CLR77.W891		90°	Steel	Reinforcement profile Box - U
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 slat gasket
EPDM5108-7000			EPDM	Middle gasket

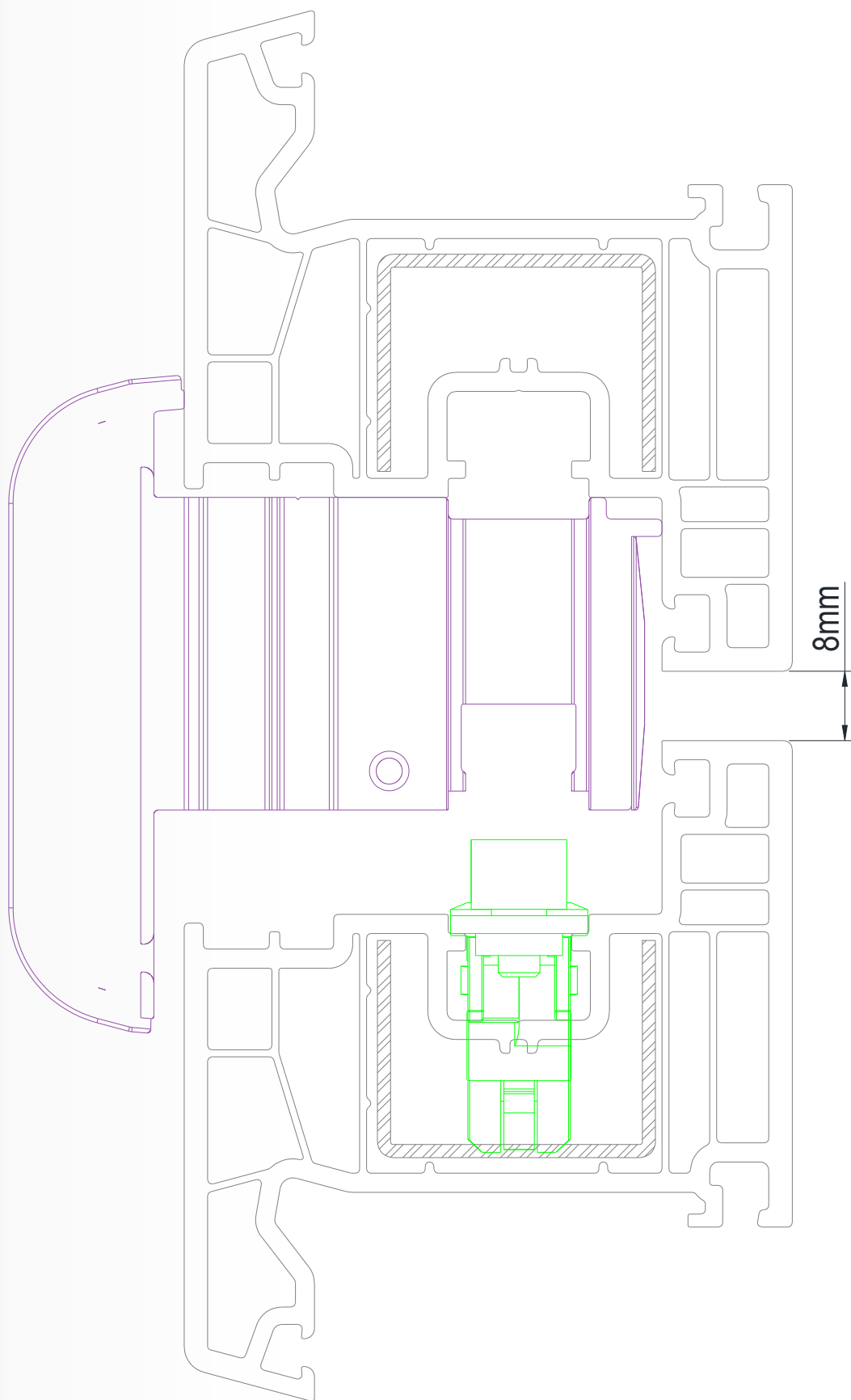
MOVABLE MULLION PROFILE APPLICATIONS



MOVABLE MULLION PROFILE APPLICATIONS

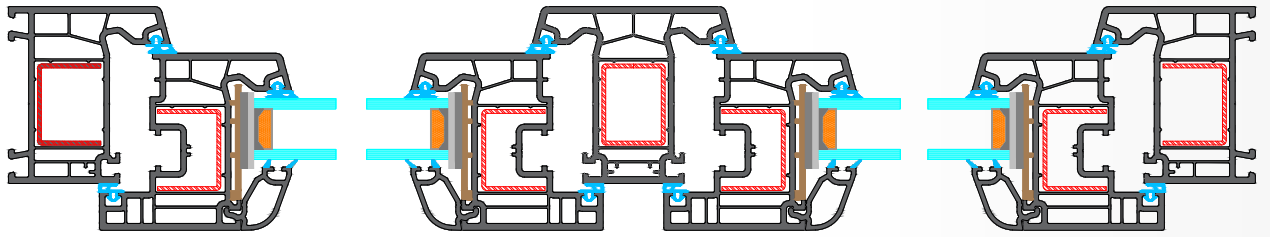


MOVABLE MULLION PROFILE APPLICATIONS

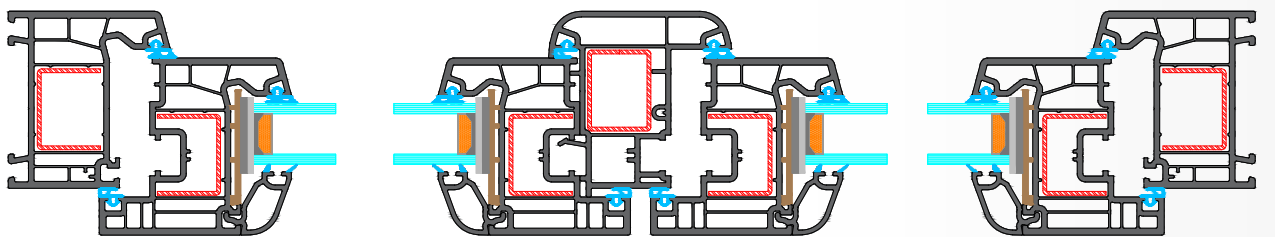


DETAILED SECTION APPLICATIONS

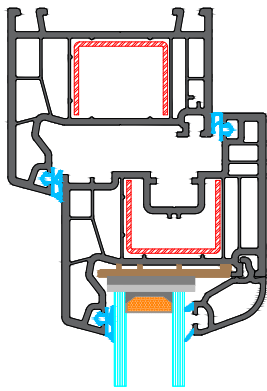
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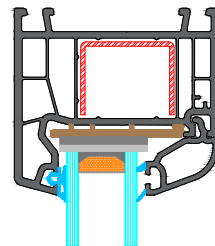
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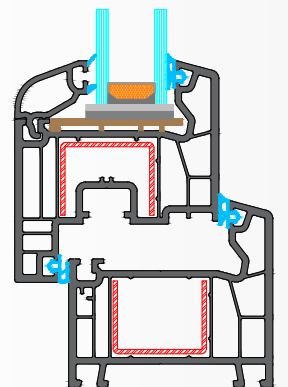
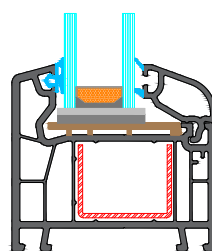
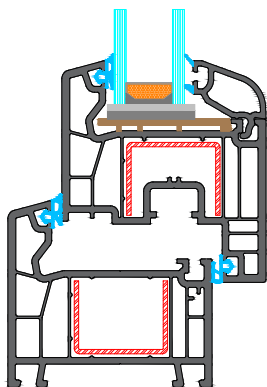
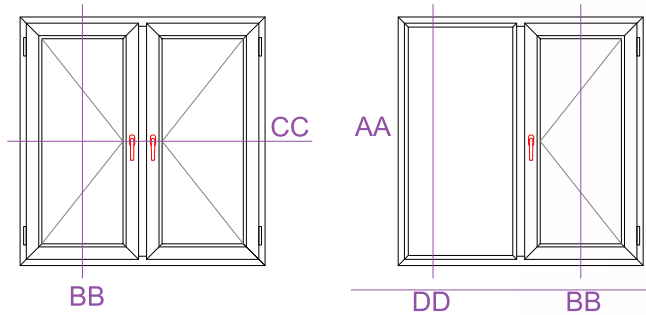
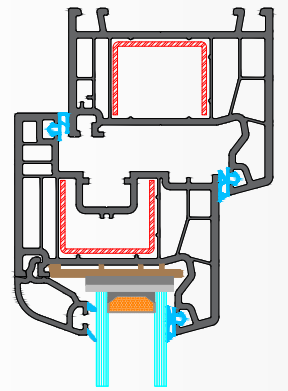
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DD Detail

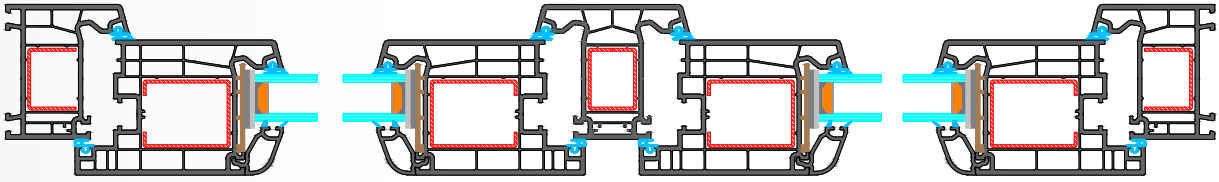


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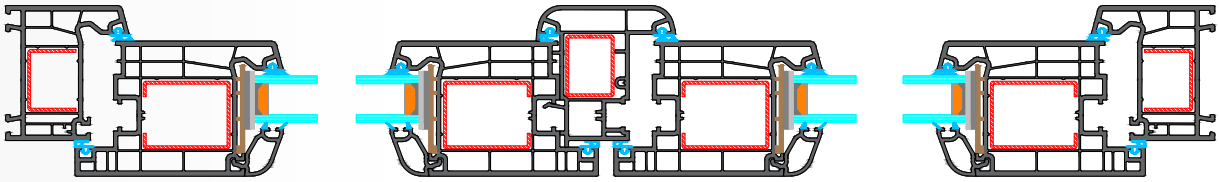


DETAILED SECTION APPLICATIONS

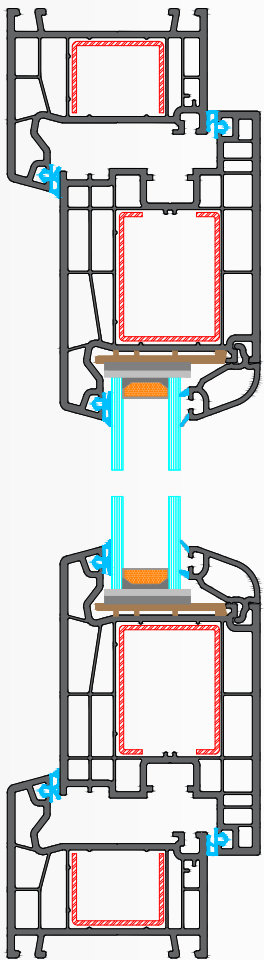
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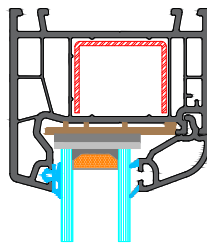
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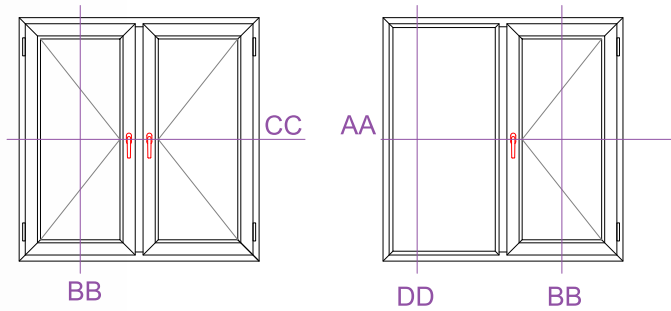
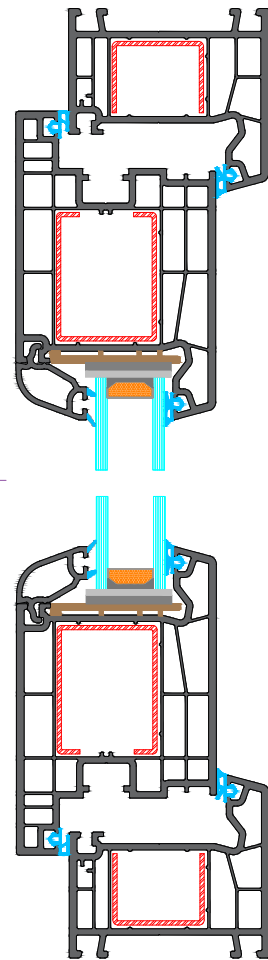
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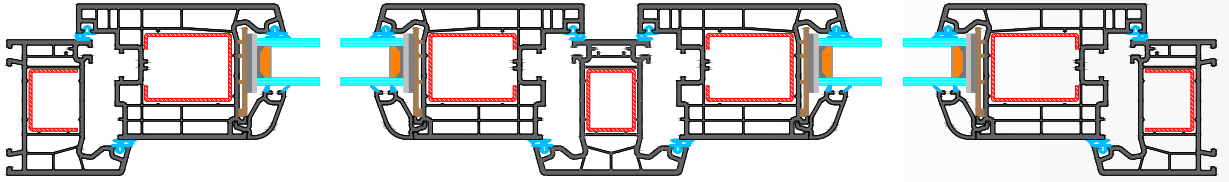


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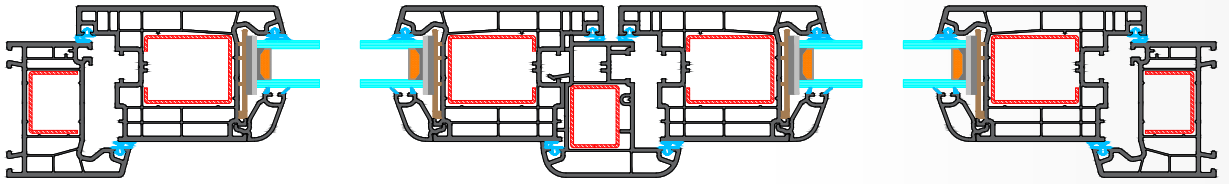


DETAILED SECTION APPLICATIONS

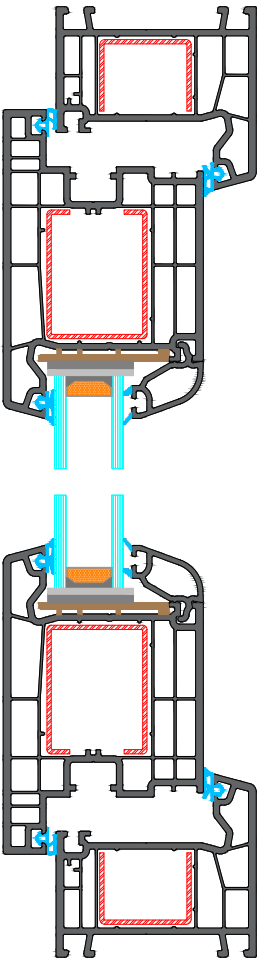
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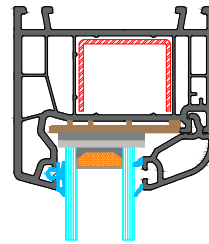
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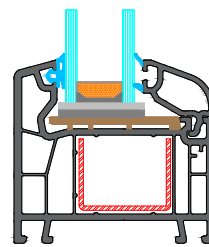
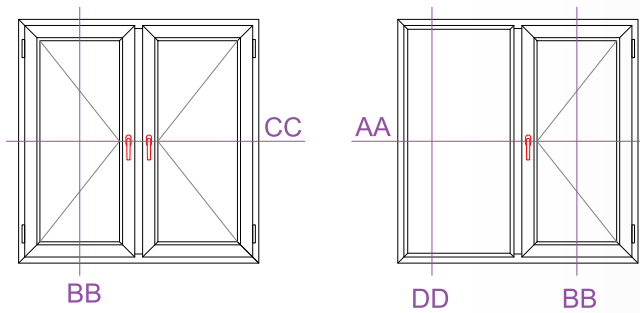
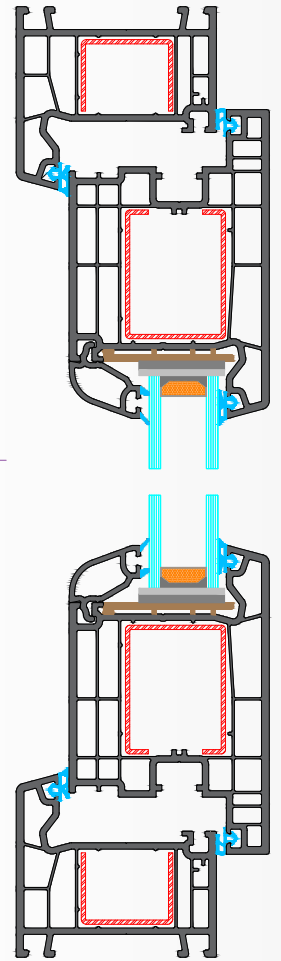
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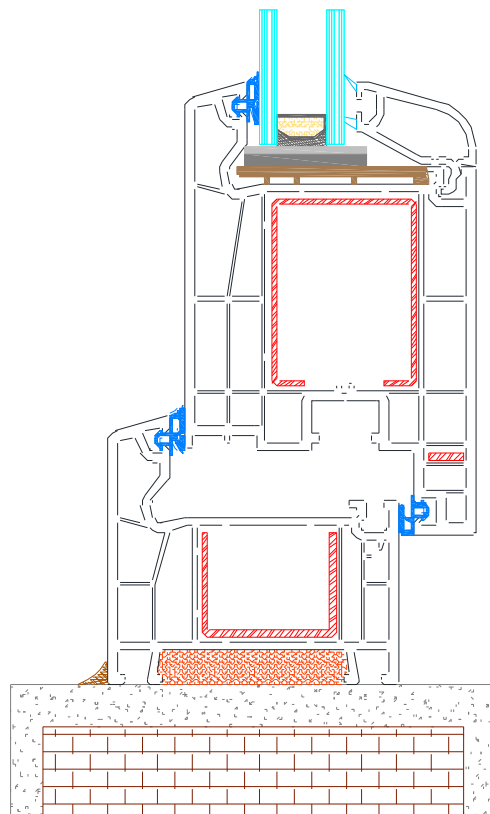
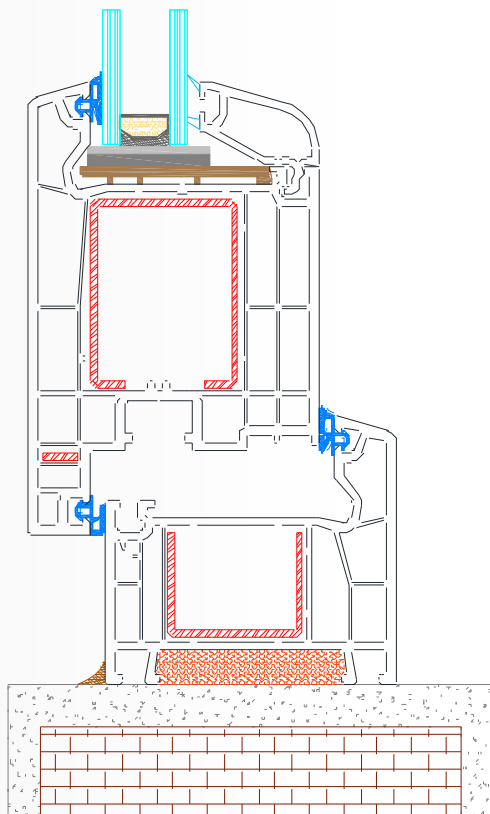
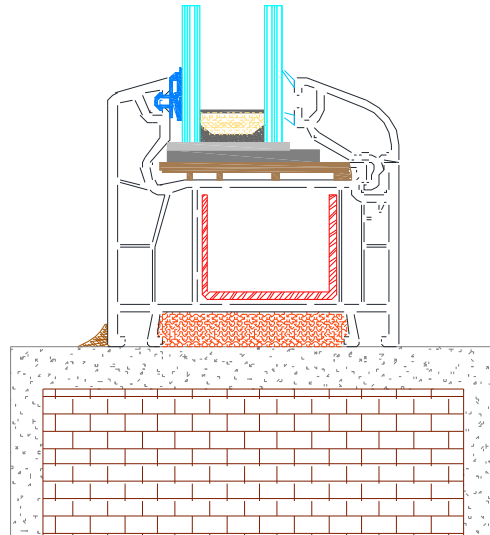
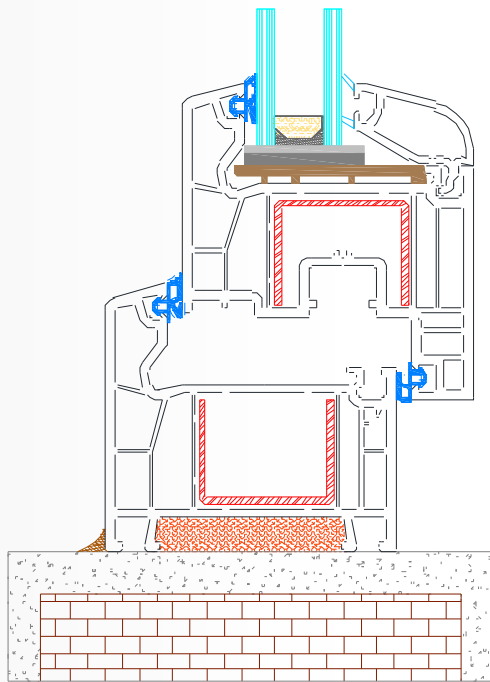
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WINDOW MOUNTING APPLICATIONS

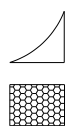
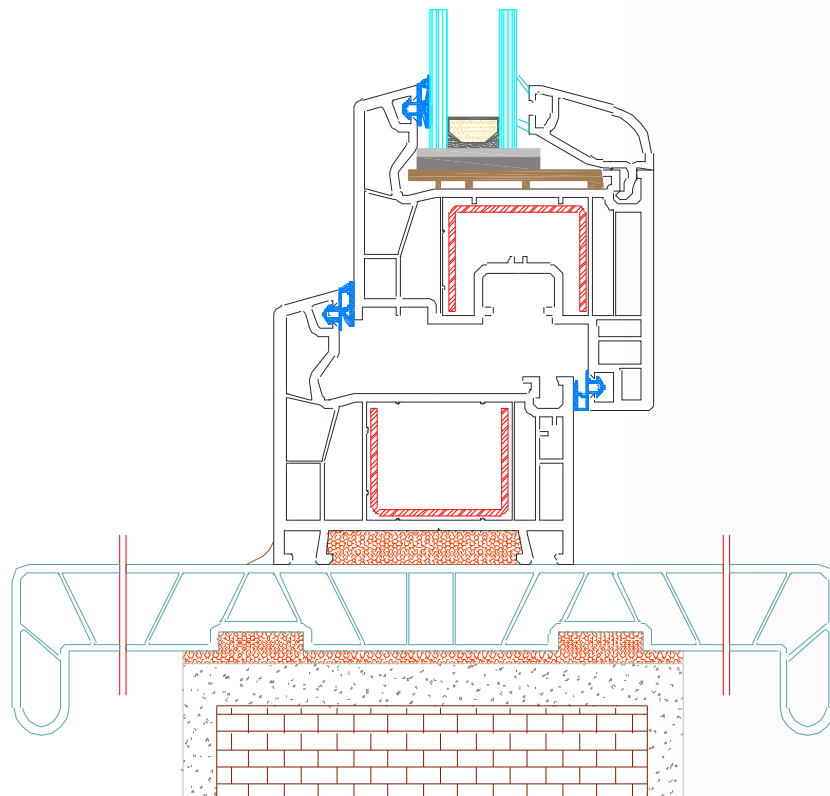
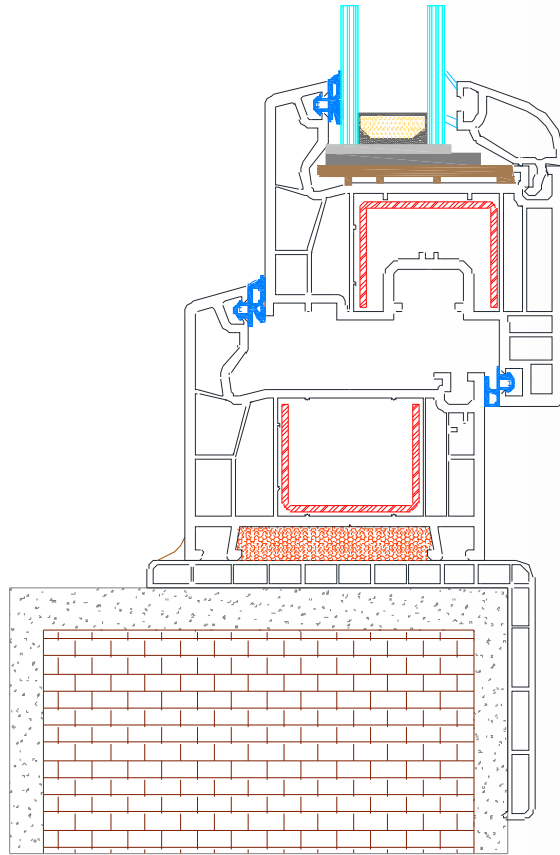


Sealing element (silicone sealant)



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

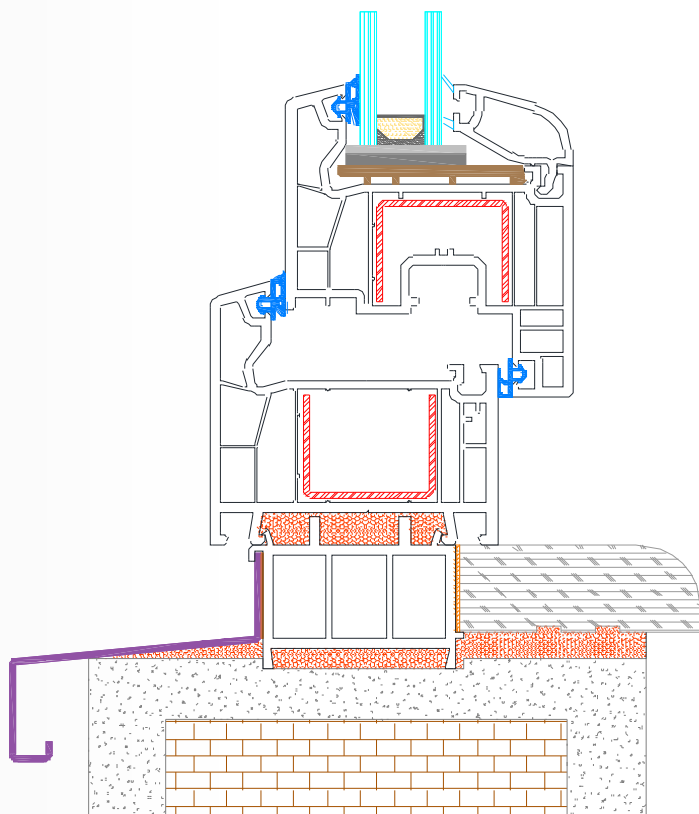
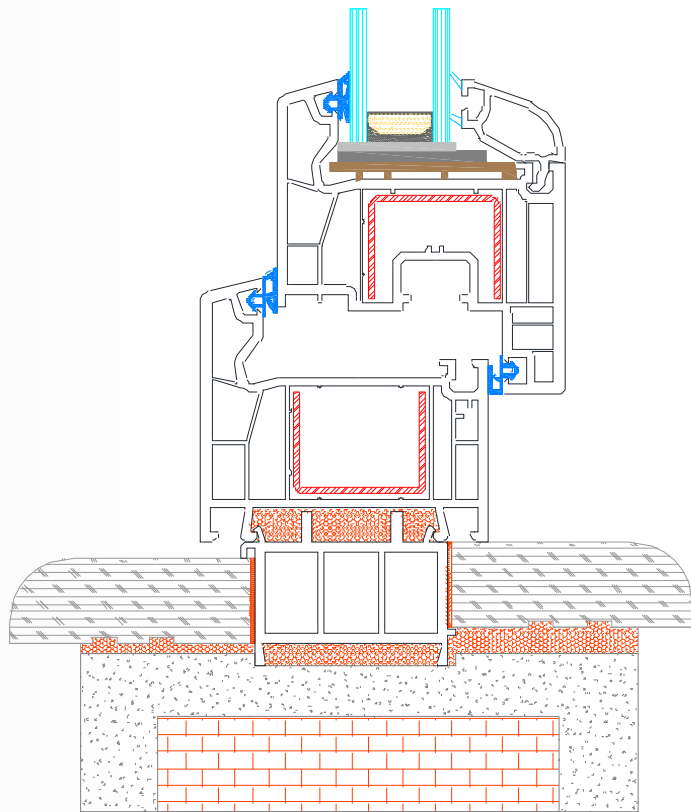
WINDOW MOUNTING APPLICATIONS



Sealing element (silicone sealant)

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

WINDOW MOUNTING APPLICATIONS

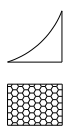
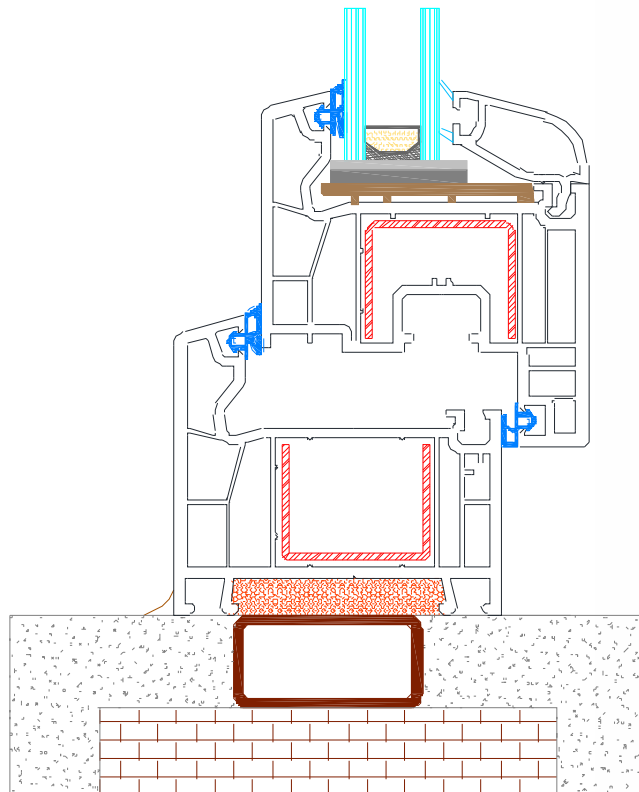
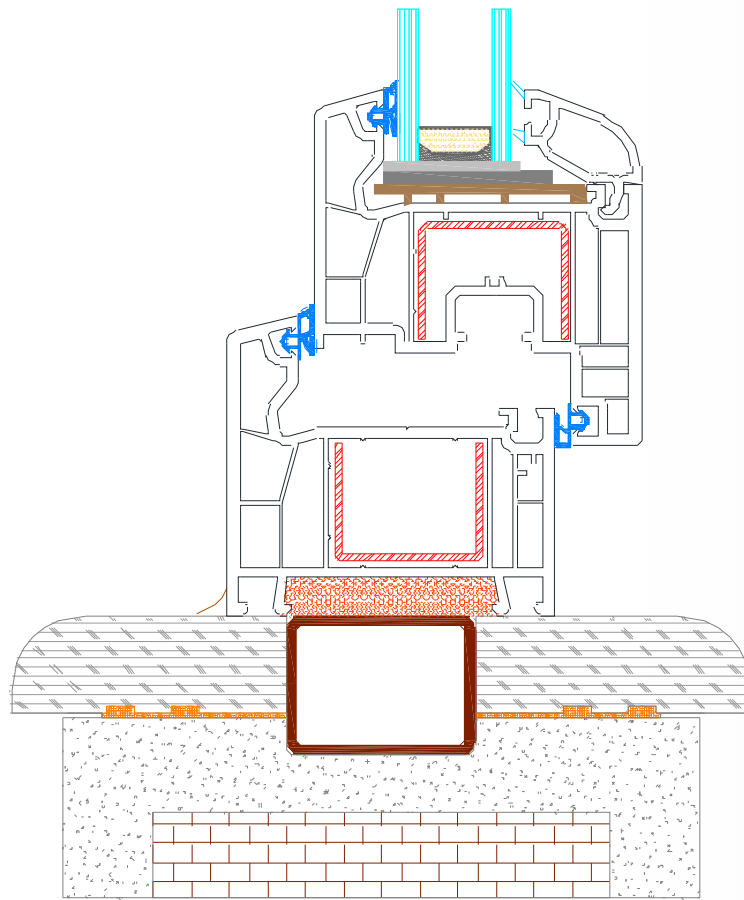


Sealing element (silicone sealant)



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

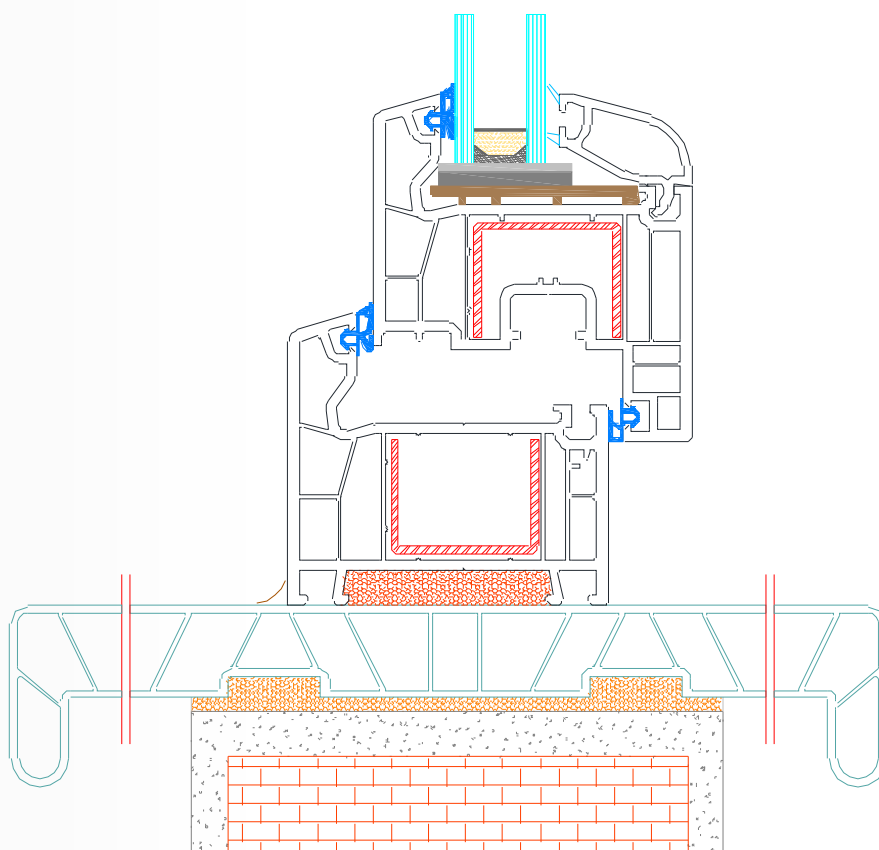
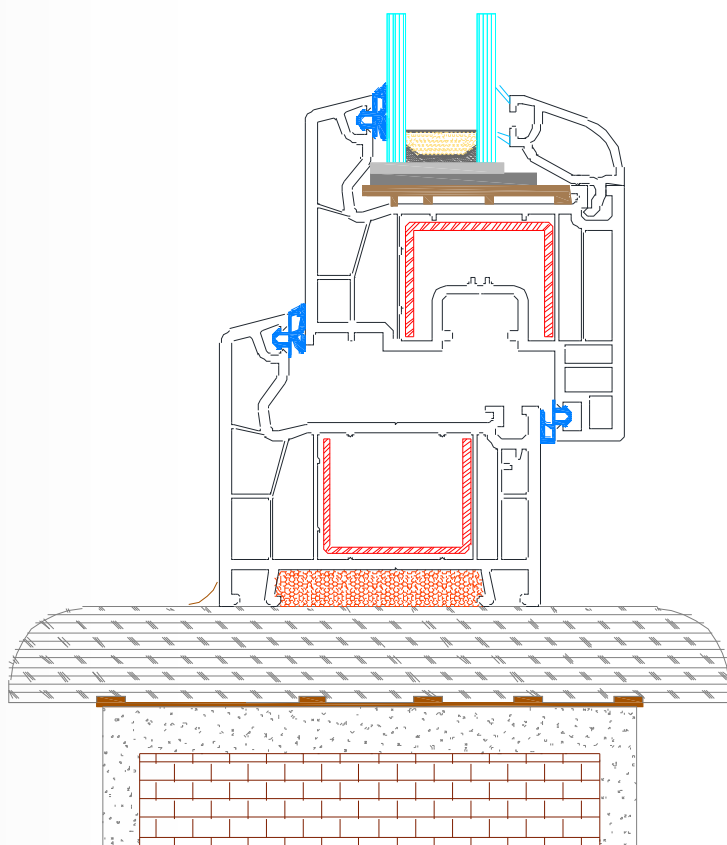
WINDOW MOUNTING APPLICATIONS



Sealing element (silicone sealant)

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

WINDOW MOUNTING APPLICATIONS



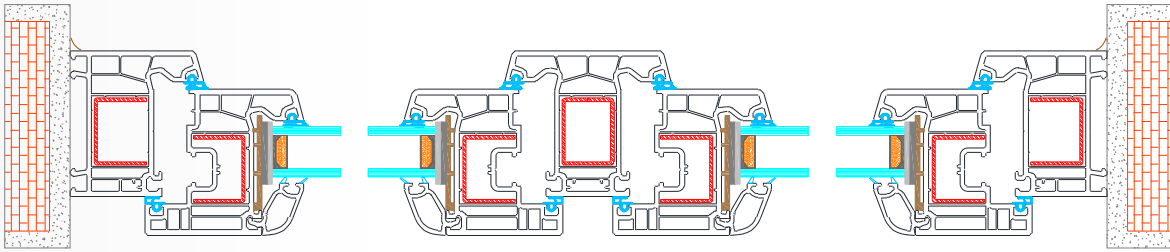
Sealing element (silicone sealant)



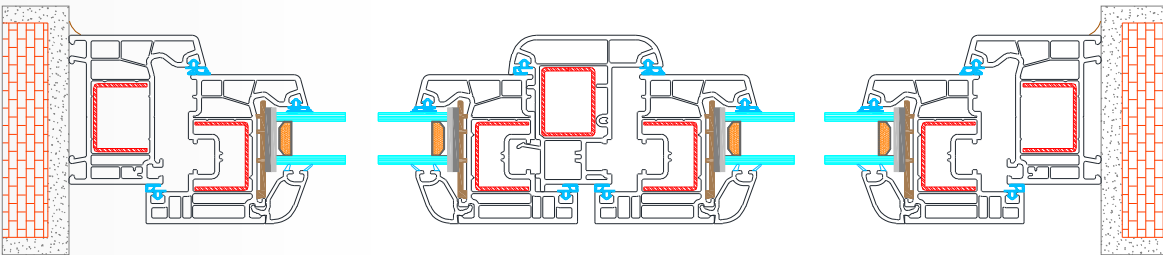
Insulation material (styrofoam, glass wool, foam and cork)

DETAILED SECTION APPLICATIONS

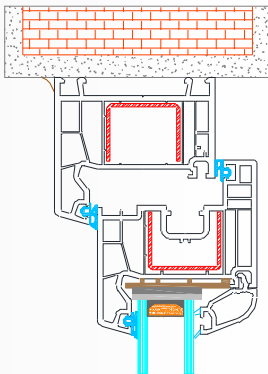
AA Detail



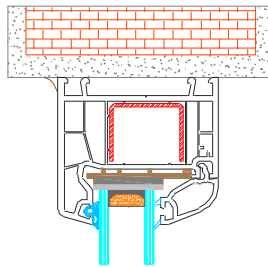
CC Detail



BB Detail



DD Detail



BB Detail

