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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.

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

Head
of the Certification Body
01.12.2022

Status of the certificate can be enquired by QR-code or from request to the Certification body CERT International s.r.o.
ID 47775211, Račianska 66, 831 02 Bratislava-Nové Mesto, Slovakia.
Tel: +421233046975, www.certgroup.org, info@certin.org

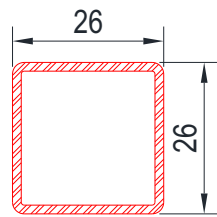
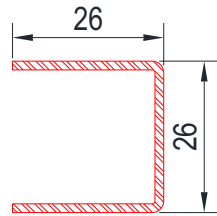
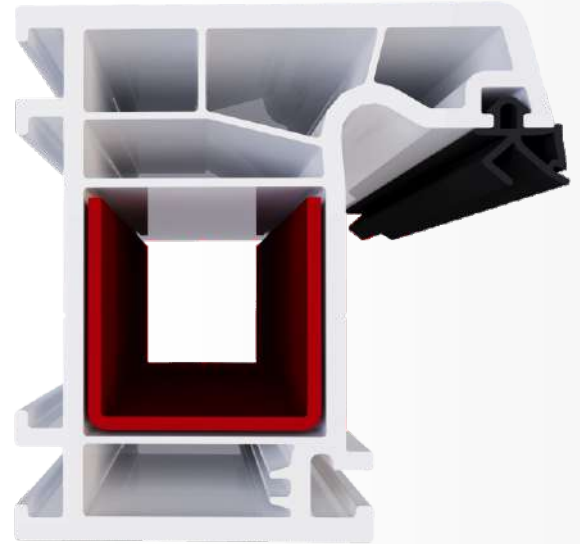
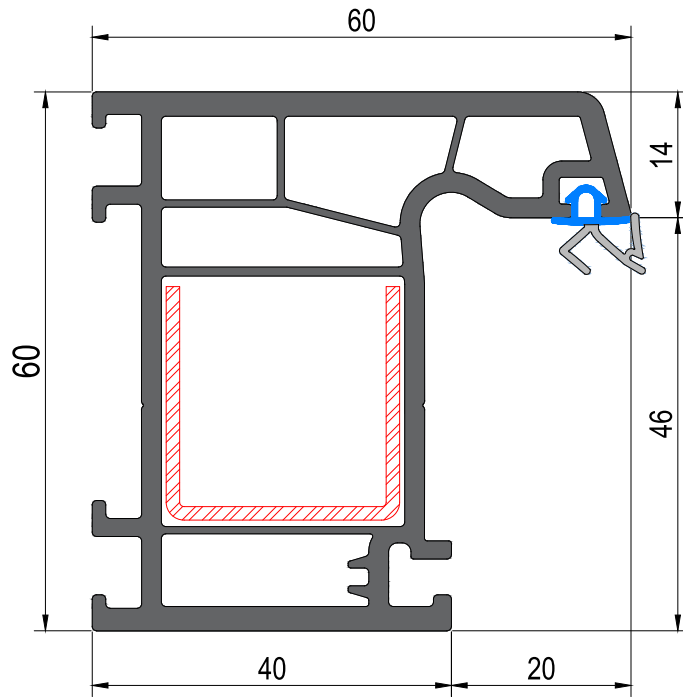
TECHNICAL PROPERTIES

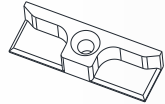
FRAME WIDTH	60 mm
FRAME HEIGHT INSIDE - OUTSIDE	40 / 60 mm
MULLION WIDTH INSIDE - OUTSIDE	38 / 78 mm
SASH WIDTH STANDARD - SELF DRAINAGE	60 mm
WINDOW SASH HEIGHT INSIDE - OUTSIDE / TOTAL	55 - 55 / 75 mm
DOOR SASH HEIGHT INSIDE - OUTSIDE / TOTAL	85 - 85 / 105 mm
DOOR SASH HEIGHT INSIDE - OUTSIDE / TOTAL	65 - 105 / 105 mm
GLASS THICKNESS	20 / 32 mm
NUMBER OF CHAMBER FOR FRAME PROFILES	4
NUMBER OF CHAMBER FOR SASH PROFILES	4
NUMBER OF CHAMBER FOR MULLION PROFILES	4

GENERAL FEATURES

- * It provides a great advantage with the use of a single type of reinforcement profiles.
- * 60 mm wide, 4 chamber profile design allows the use of 20, 24, 32 mm glazing beads.
- * In addition to heat and sound insulation, long-lasting PVC profile systems provide significant benefits in terms of environment and economy.
- * In this self-sealed profile system, it can be welded at the corners with the use of TPV gaskets and thus is highly removable offers the feature.
- * It provides the advantage of fast production thanks to the self-sealing profile.

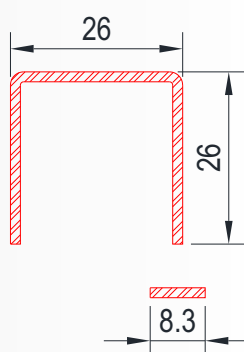
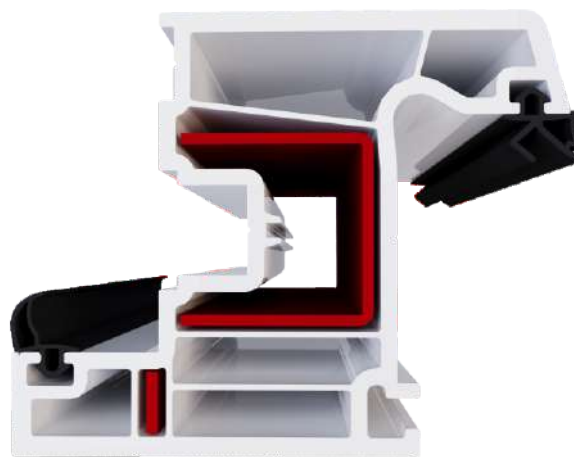
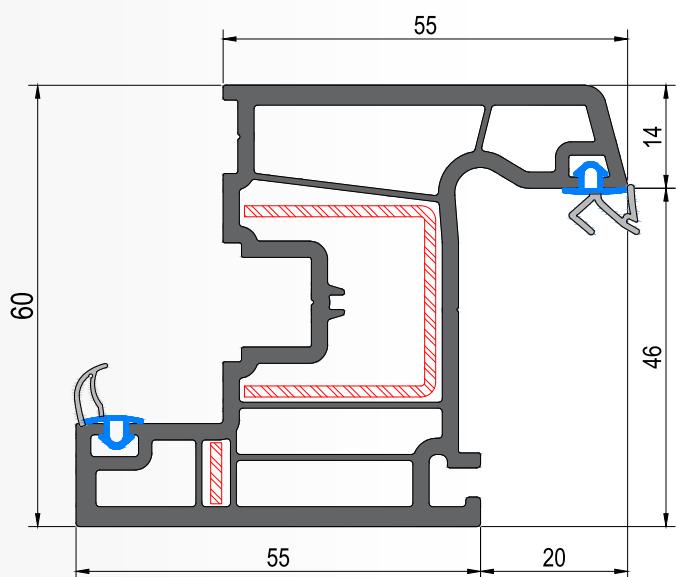
FRAME PROFILE CLASS-B PT4.60.F0011



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CLR77.W160-2	1,25	1,11	0,66
CLR77.W160-3	1,5	1,30	0,79
CLR77.W160-4	2,0	1,65	1,02
CLR77.W170-1	1	0,00	0,00
CLR77.W170-2	1,25	1,22	1,22
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CLR77.W170-4	2,0	1,80	1,80
ACS.012.001-7002			

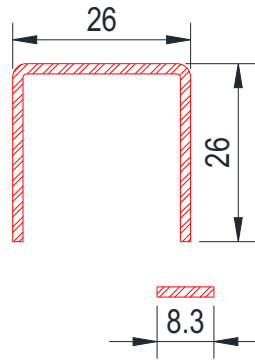
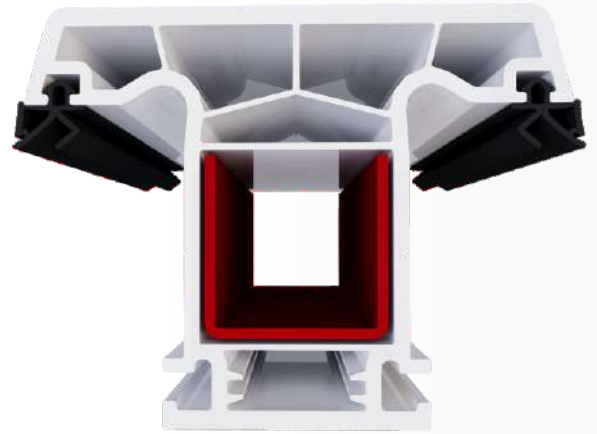
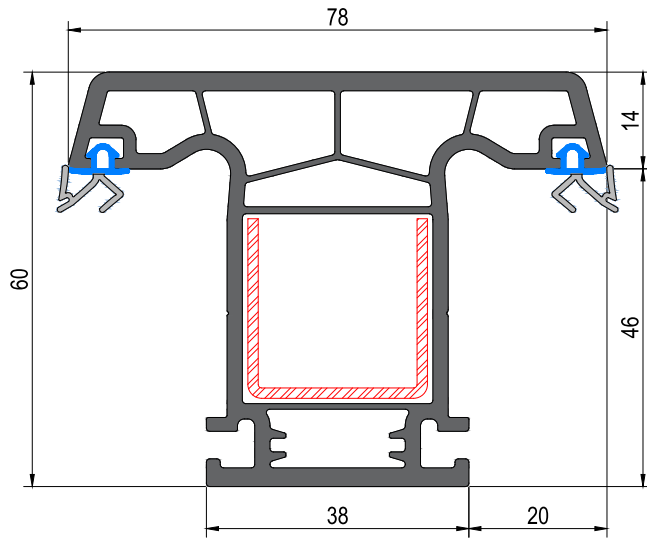
CLASS-B
PT4.60.V0011

SASH PROFILE



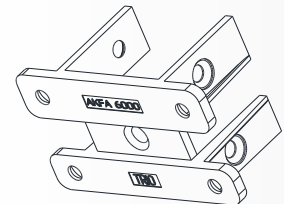
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CLR77.W160-2	1,25	0,65	1,11
CLR77.W160-3	1,5	0,79	1,30
CLR77.W160-4	2,0	1,02	1,65

MULLION PROFILE CLASS-B PT4.60.M0011

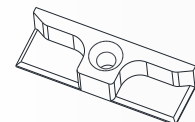


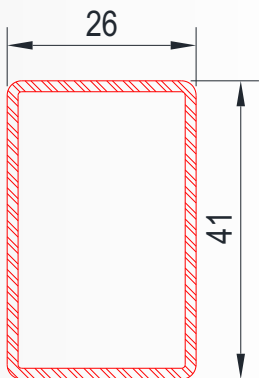
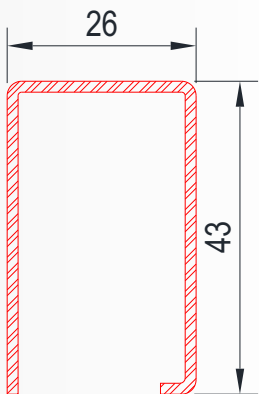
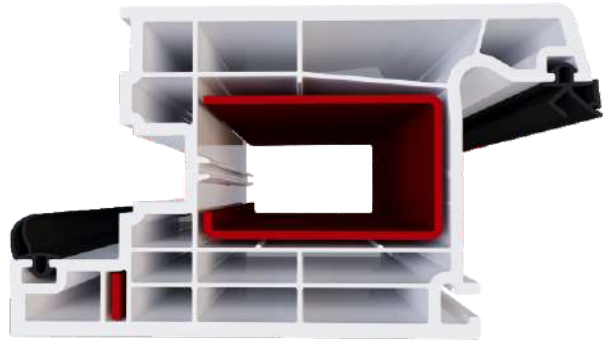
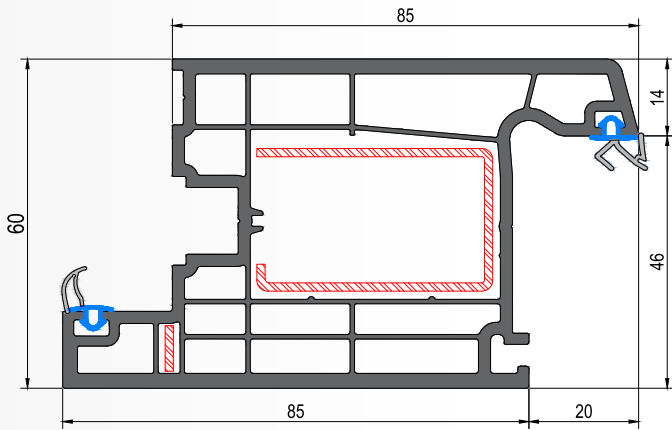
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CLR77.W160-2	1,25	0,65	1,11
CLR77.W160-3	1,5	0,79	1,30
CLR77.W160-4	2,0	1,02	1,65

ACS.033.IMP-7003



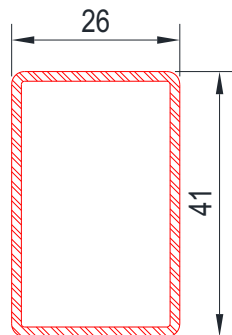
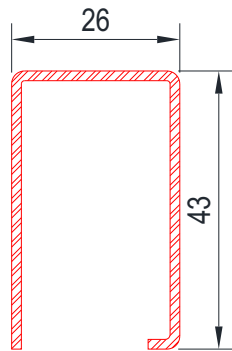
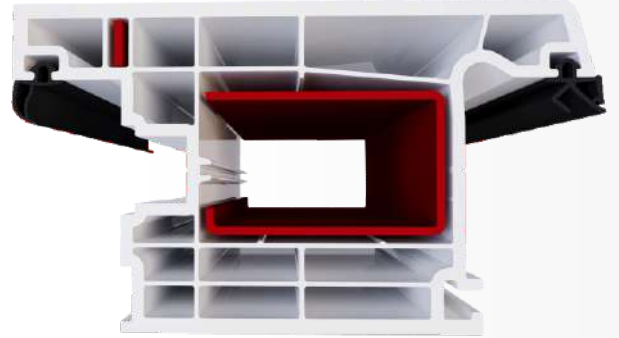
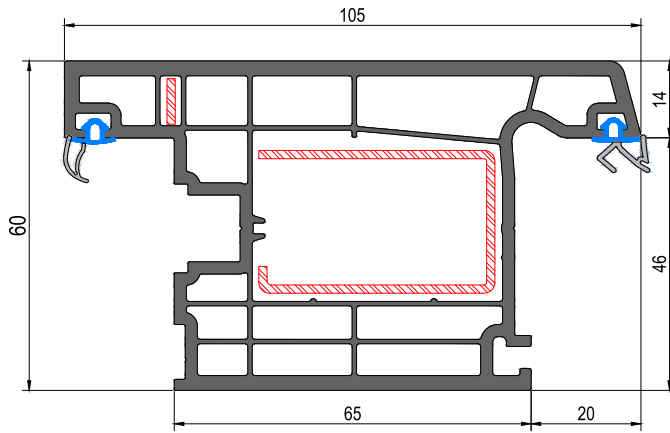
ACS.012.001-7002





Product Code	Thickness		Moment of Inertia	
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CLR77.W200-3	1,5	3,39	2,09	
CLR77.W200-4	2,0	4,38	2,67	
CLR77.W190-1	1	0,00	0,00	
CLR77.W190-2	1,25	3,64	1,79	
CLR77.W190-3	1,5	4,29	2,10	
CLR77.W190-4	2,0	5,51	2,67	

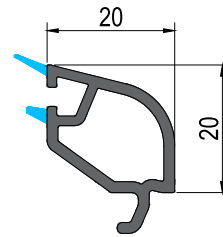
OUTWARD OPENING DOOR SASH CLASS-B PT4.60.V0003



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CLR77.W200-3	1,5	3,39	2,09
CLR77.W200-4	2,0	4,38	2,67
CLR77.W190-1	1	0,00	0,00
CLR77.W190-2	1,25	3,64	1,79
CLR77.W190-3	1,5	4,29	2,10
CLR77.W190-4	2,0	5,51	2,67

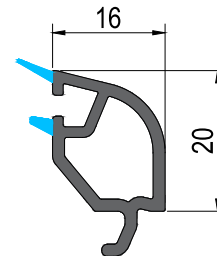
DOUBLE GLAZING BEAD 20MM

PTE.60.G0001



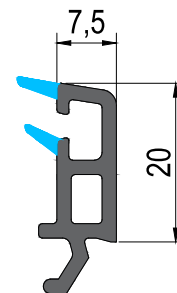
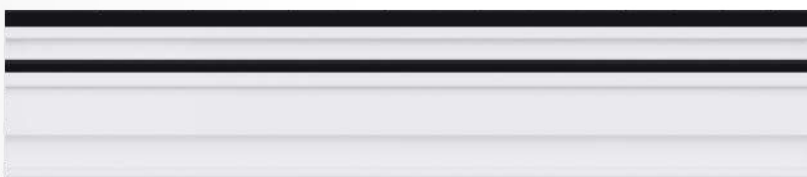
DOUBLE GLAZING BEAD 24MM

PTE.60.G0002



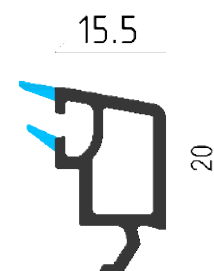
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PT3.58.G0002



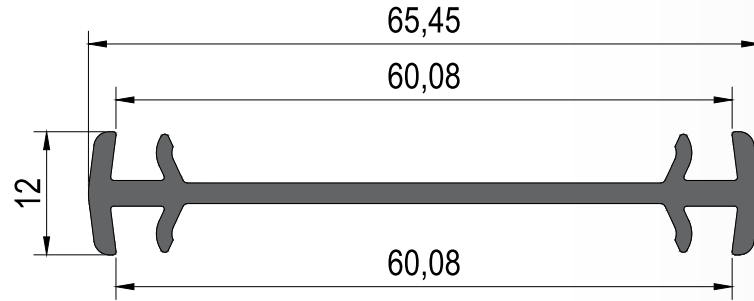
TRIPLE GLAZING BEAD 32MM

PT3.58.G0001



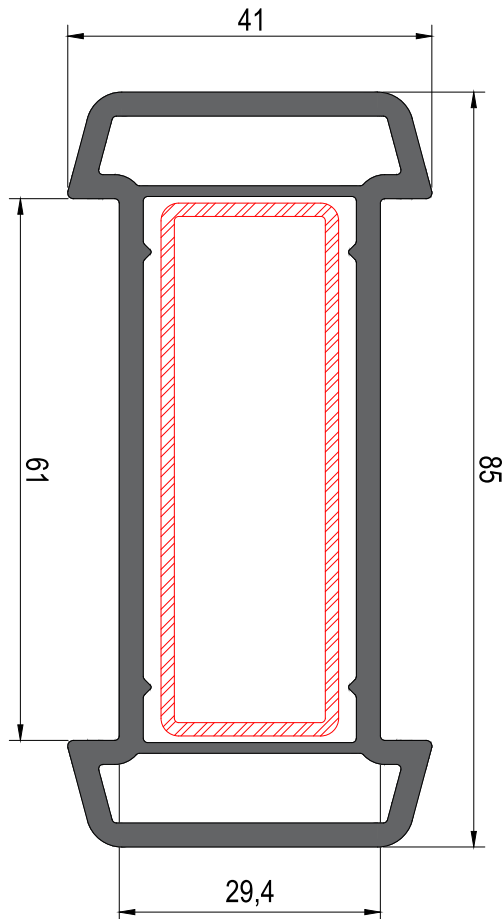
NARROW COUPLING PROFILE

PT3.60.A0003



WIDE COUPLING PROFILE

PT3.60.A0004

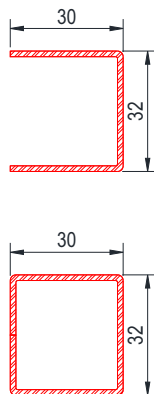
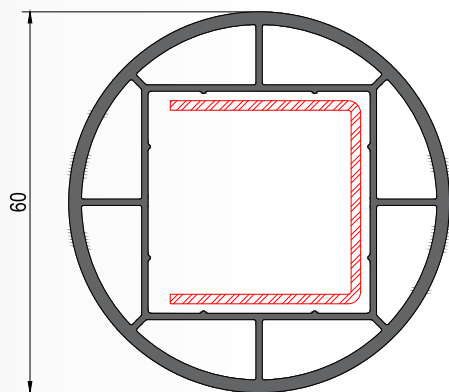


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CLR77.W50-2	1,25	1,40	8,01
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CLR77.W50-4	2,0	2,06	12,28



CORNER PIPE PROFILE

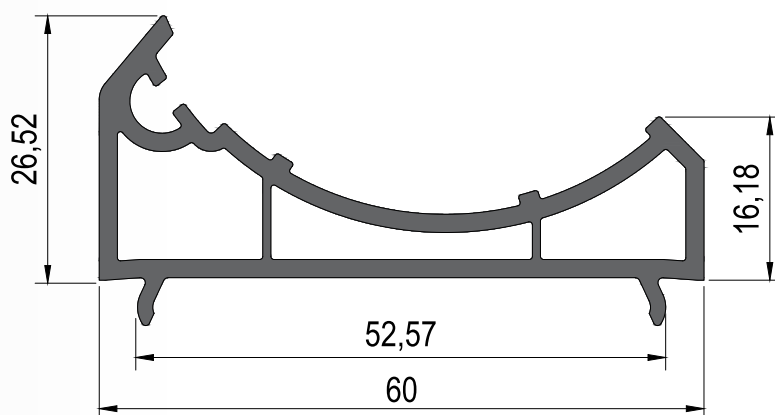
PT3.60.A0006



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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
CLR77.W891-3	1,5	2,40	2,66
CLR77.W891-4	2,0	3,03	3,36

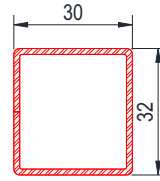
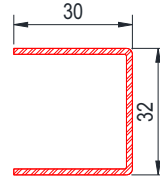
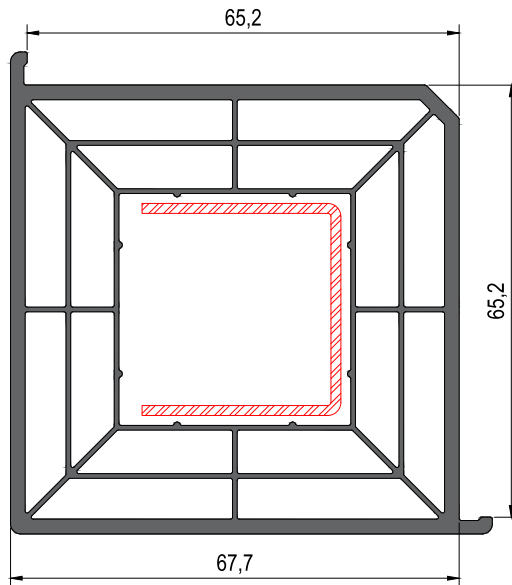
ANGLED CORNER ADAPTER

PT3.60.A0005



CORNER BOX PROFILE

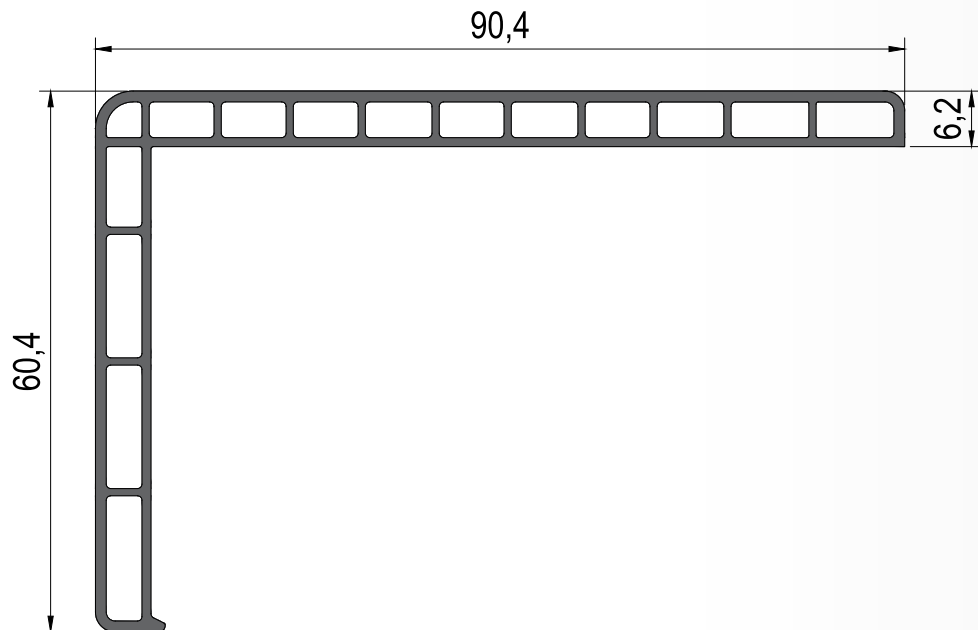
PT5.65.A0005



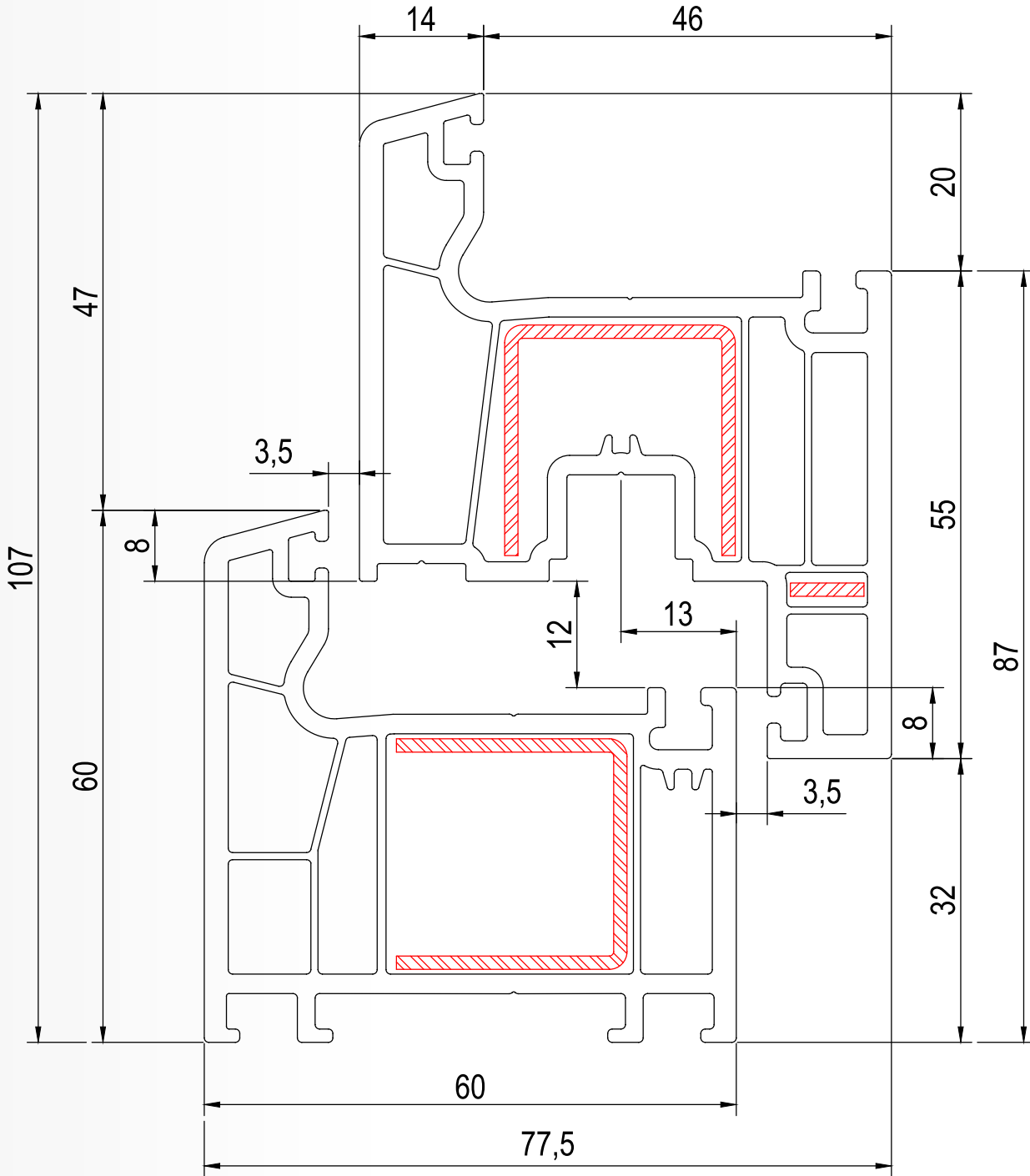
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CLR77.W890-3	1,5	1,26	2,38
CLR77.W890-4	2,0	1,63	3,03
CLR77.W891-1	1	0,00	0,00
CLR77.W891-2	1,25	2,07	2,29
CLR77.W891-3	1,5	2,40	2,66
CLR77.W891-4	2,0	3,03	3,36

MASKING PROFILE

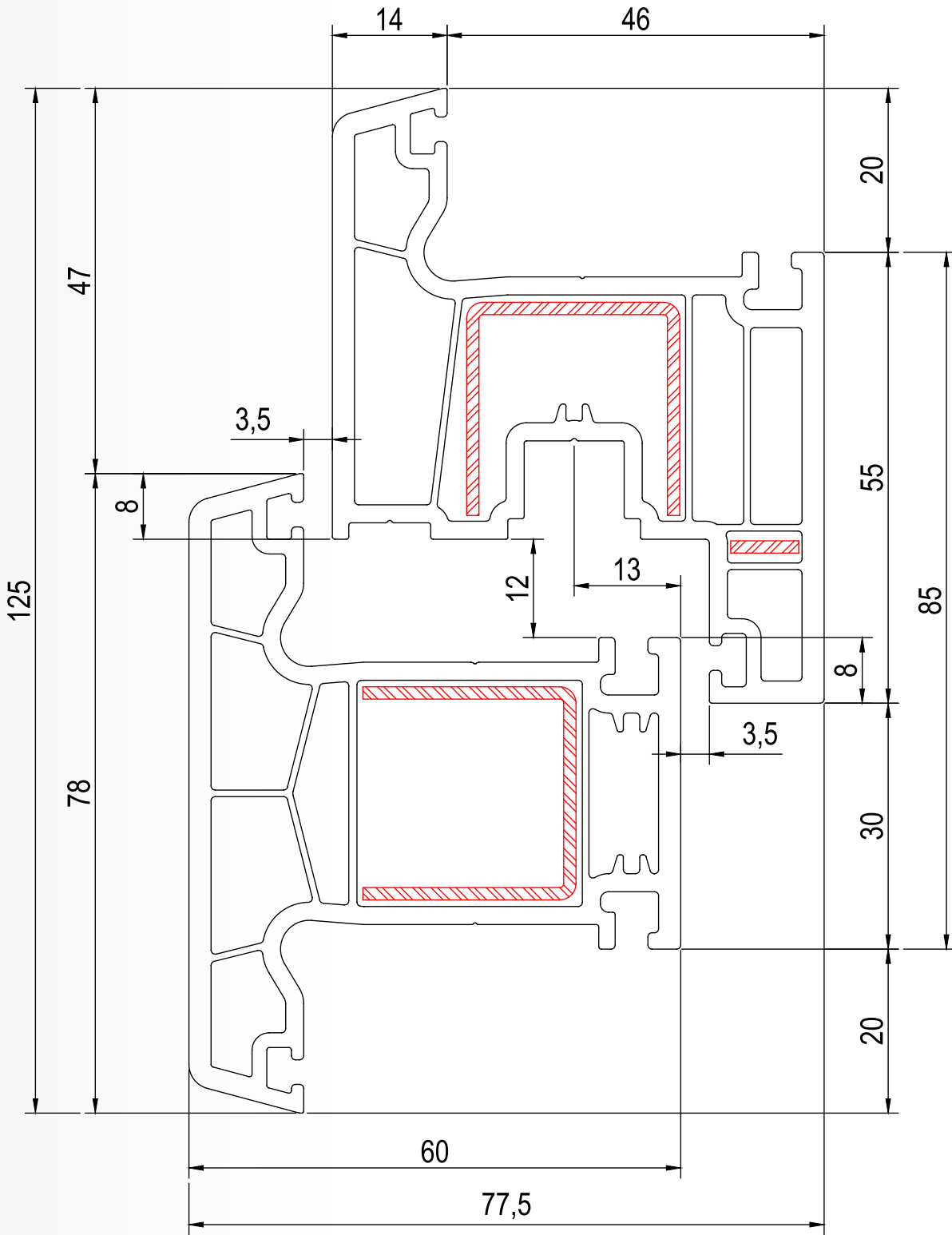
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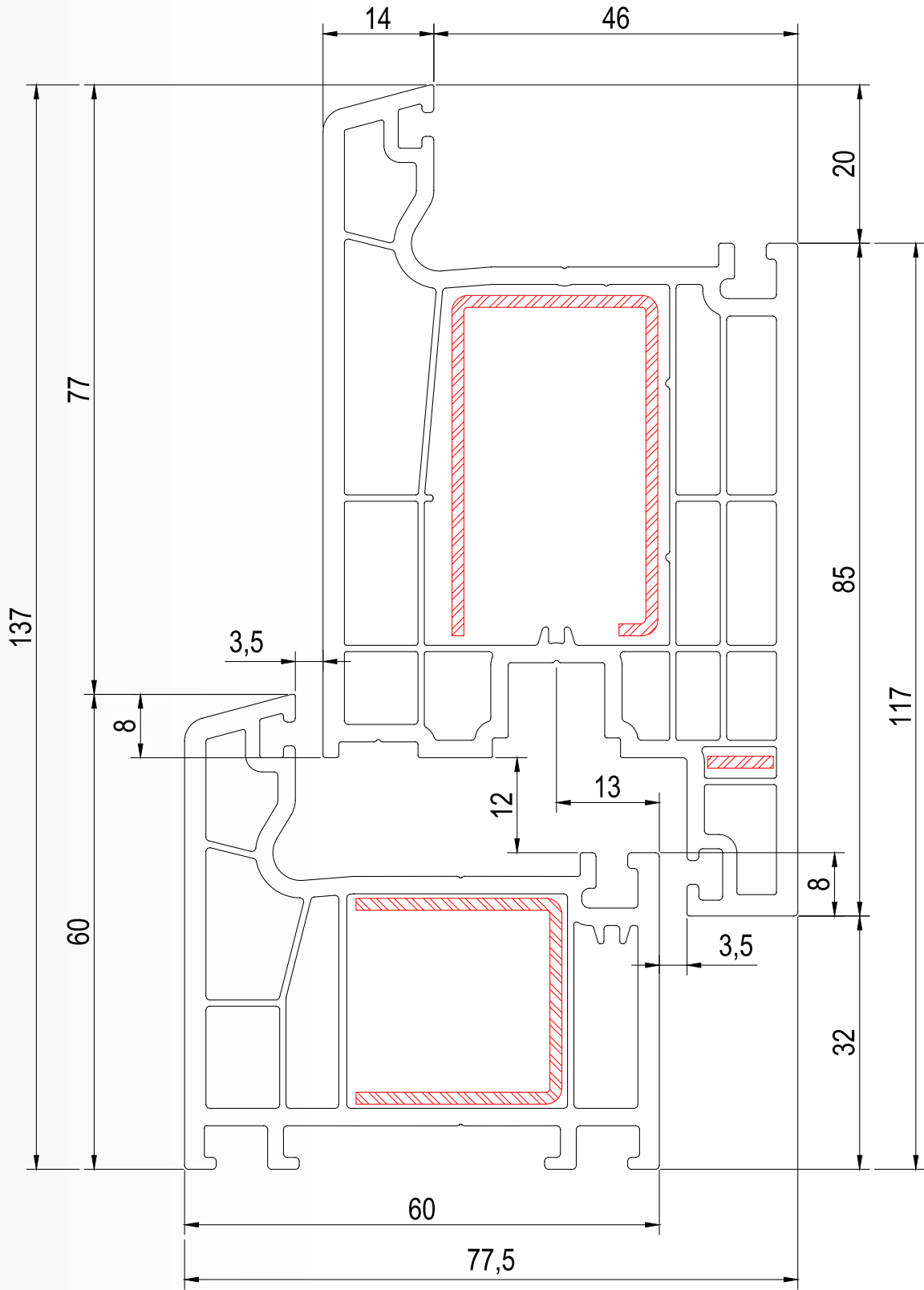
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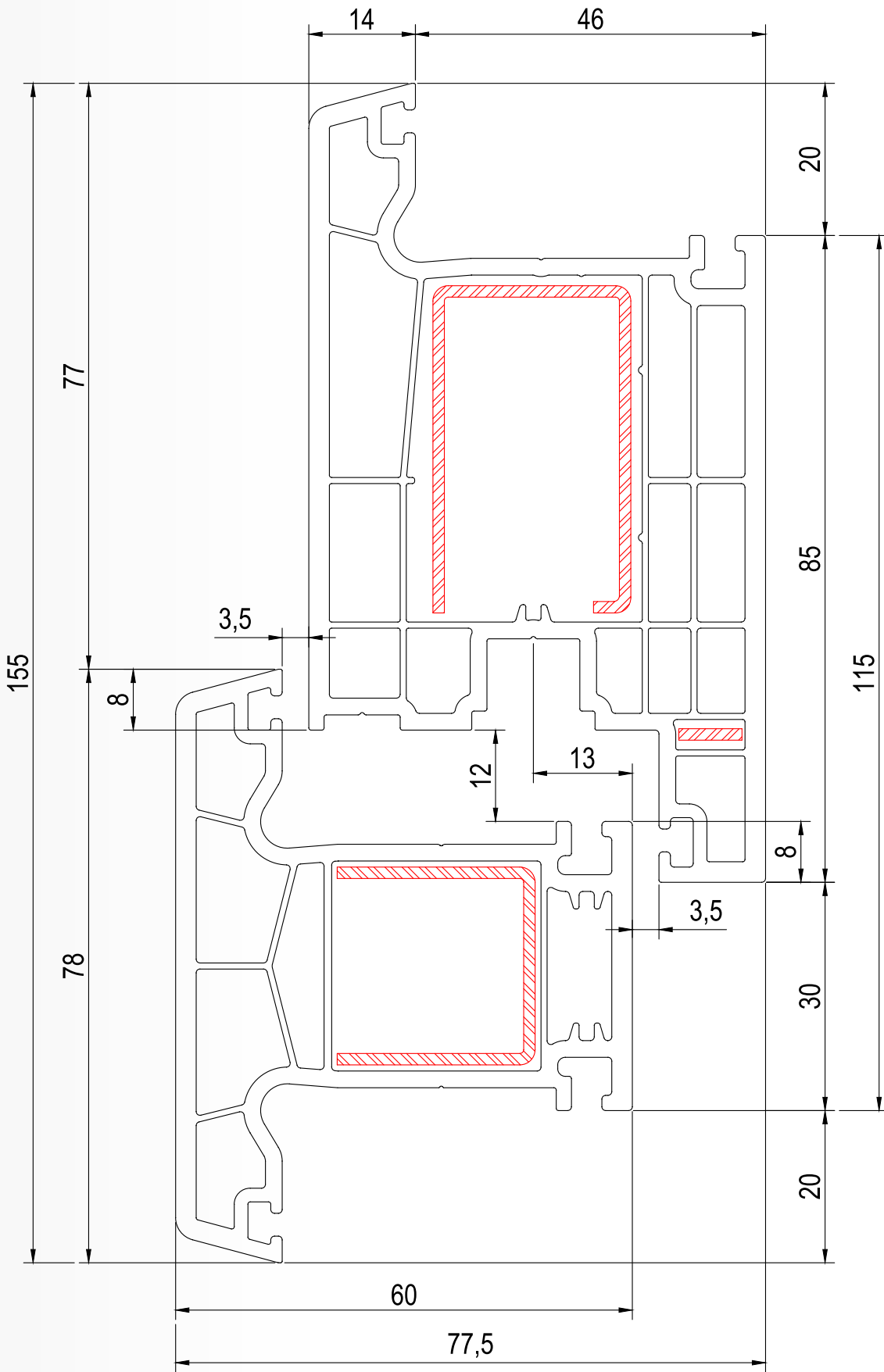
DIMENSIONED SECTION DETAILS



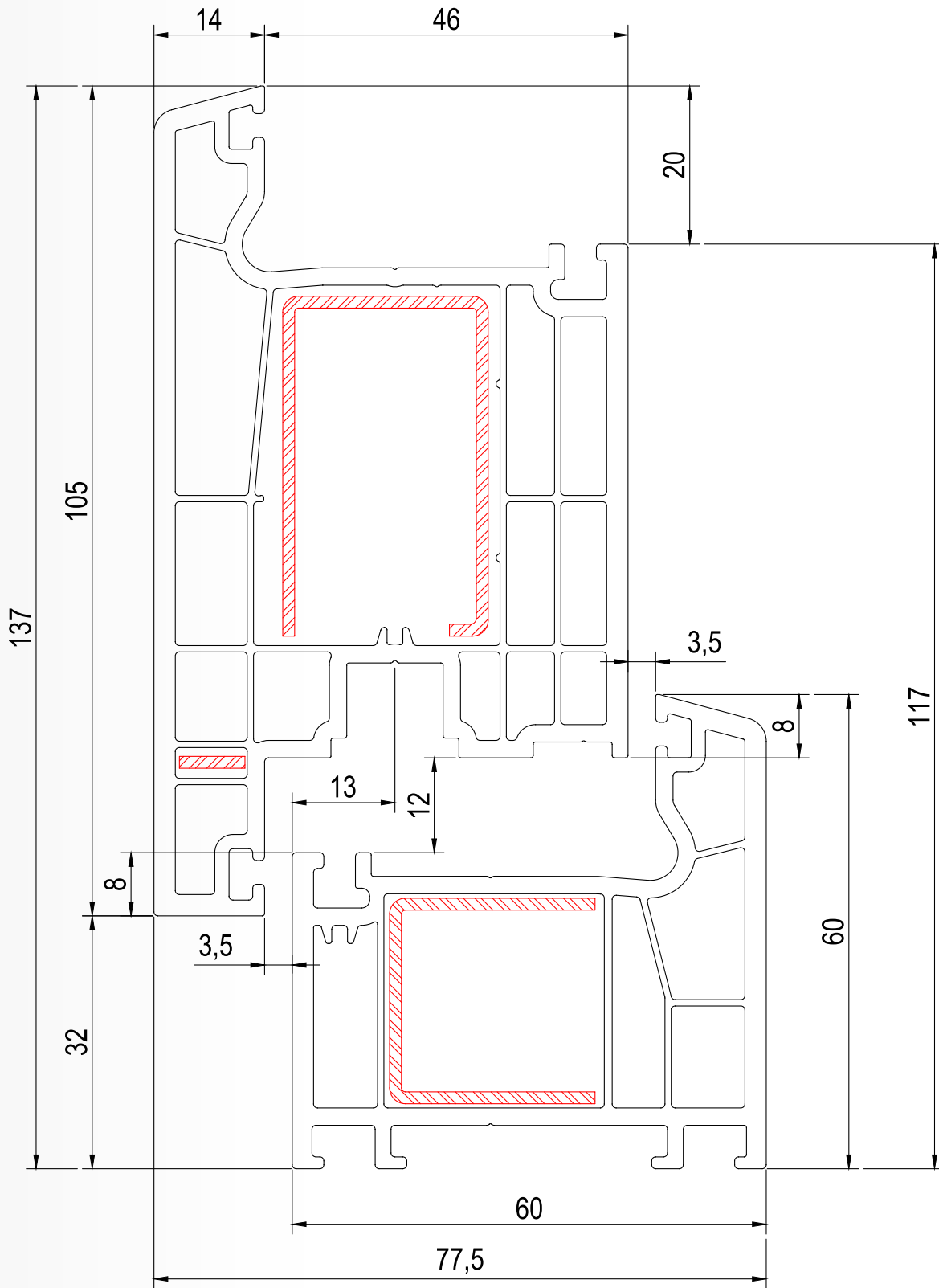
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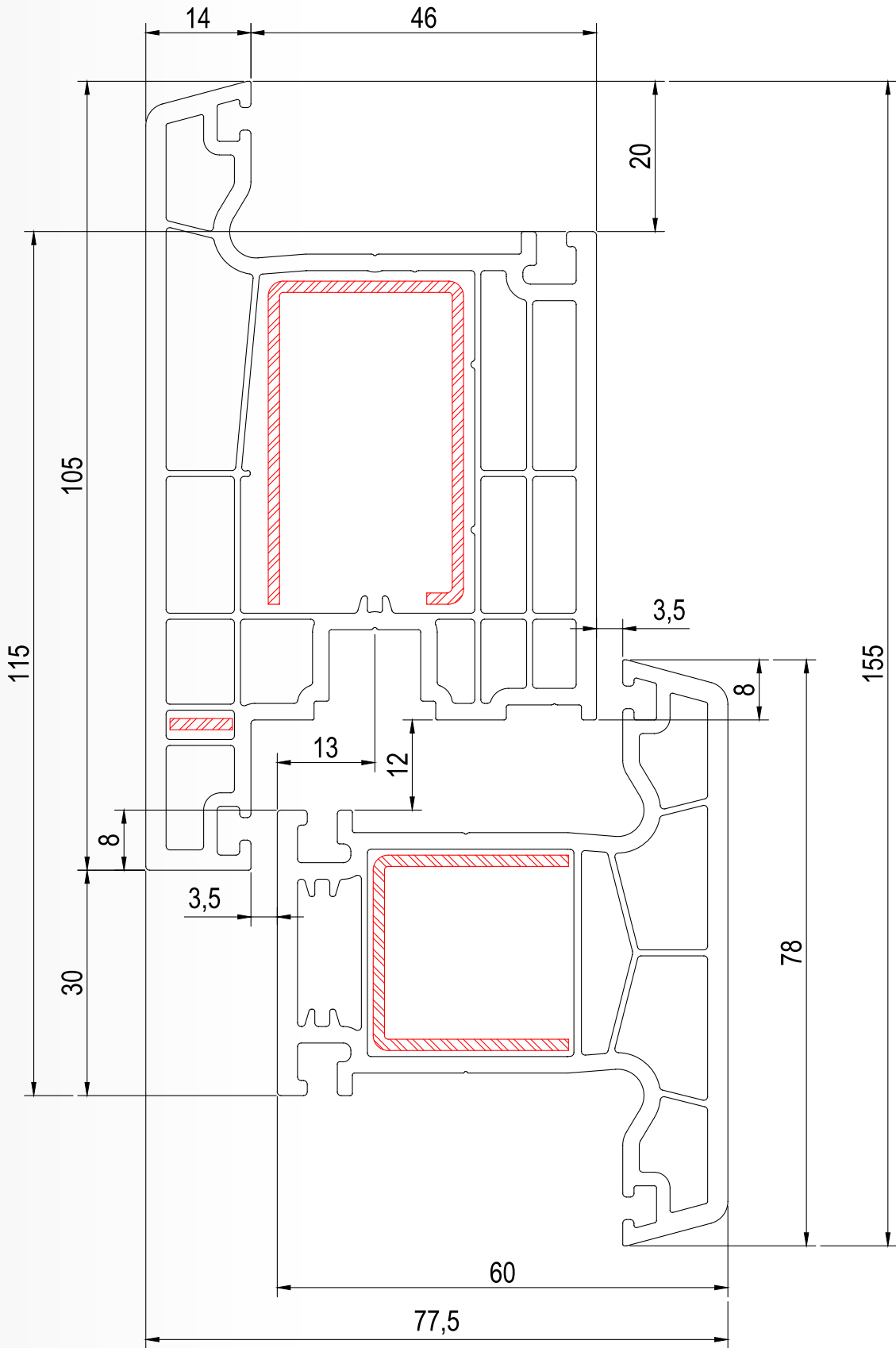
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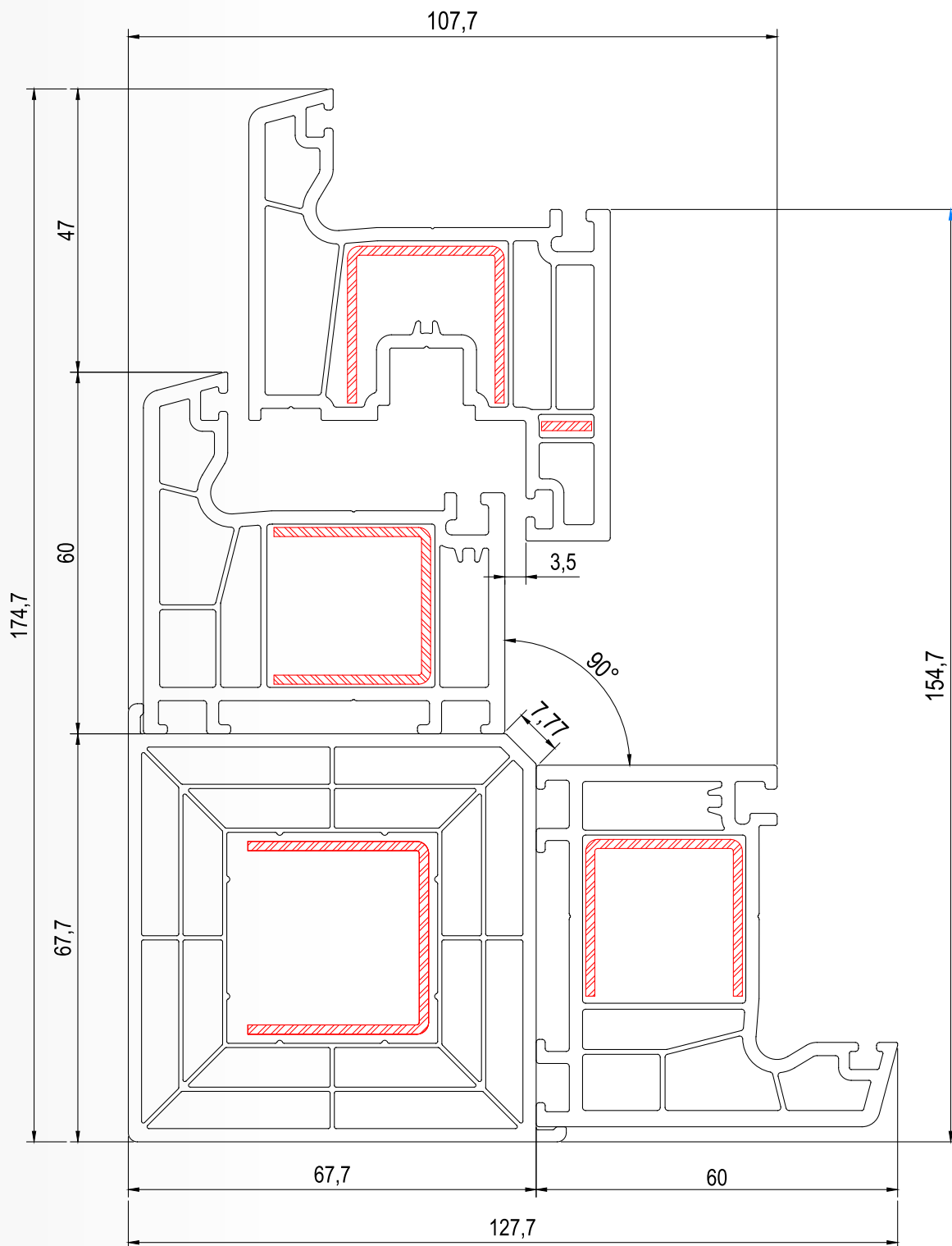
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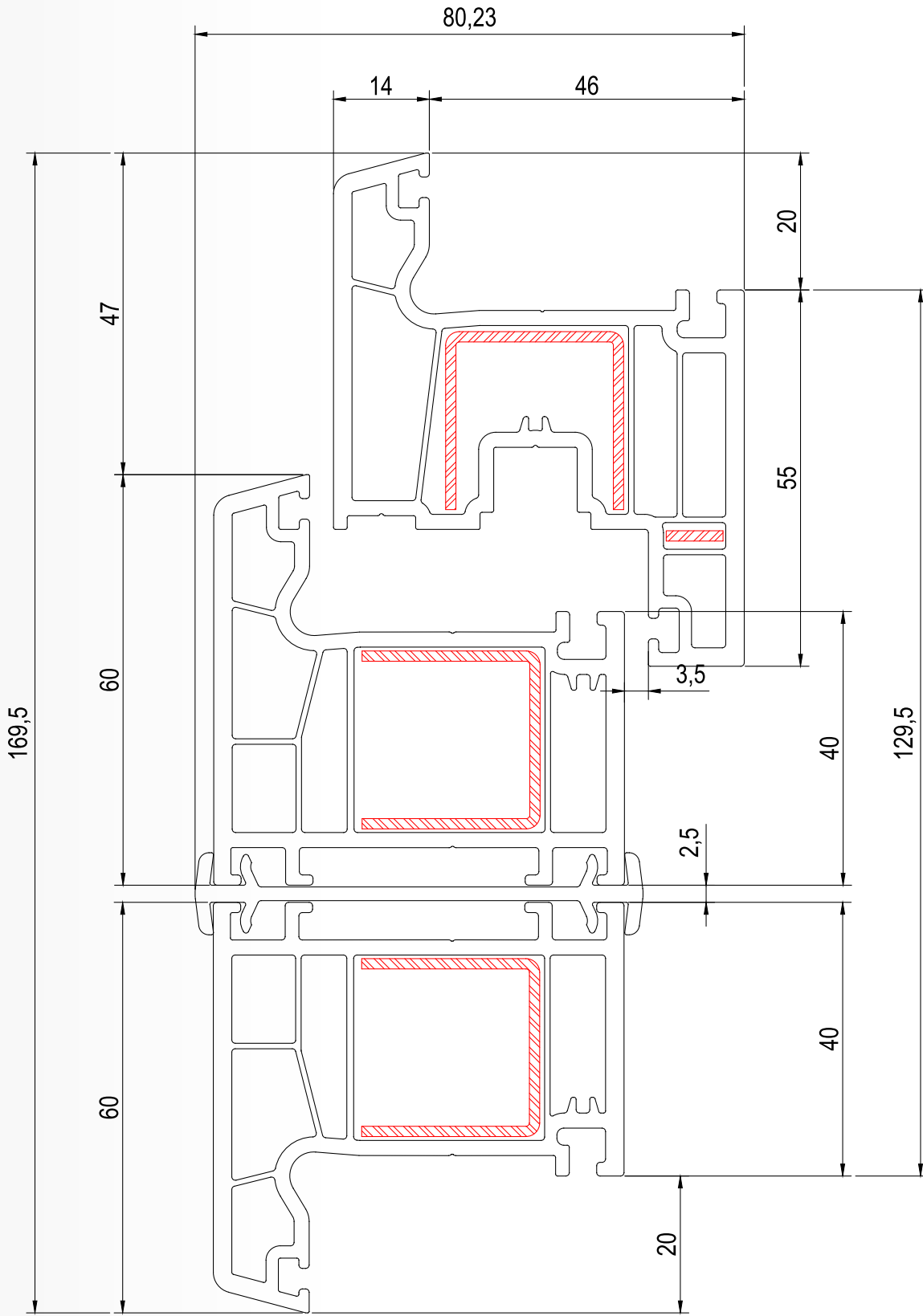
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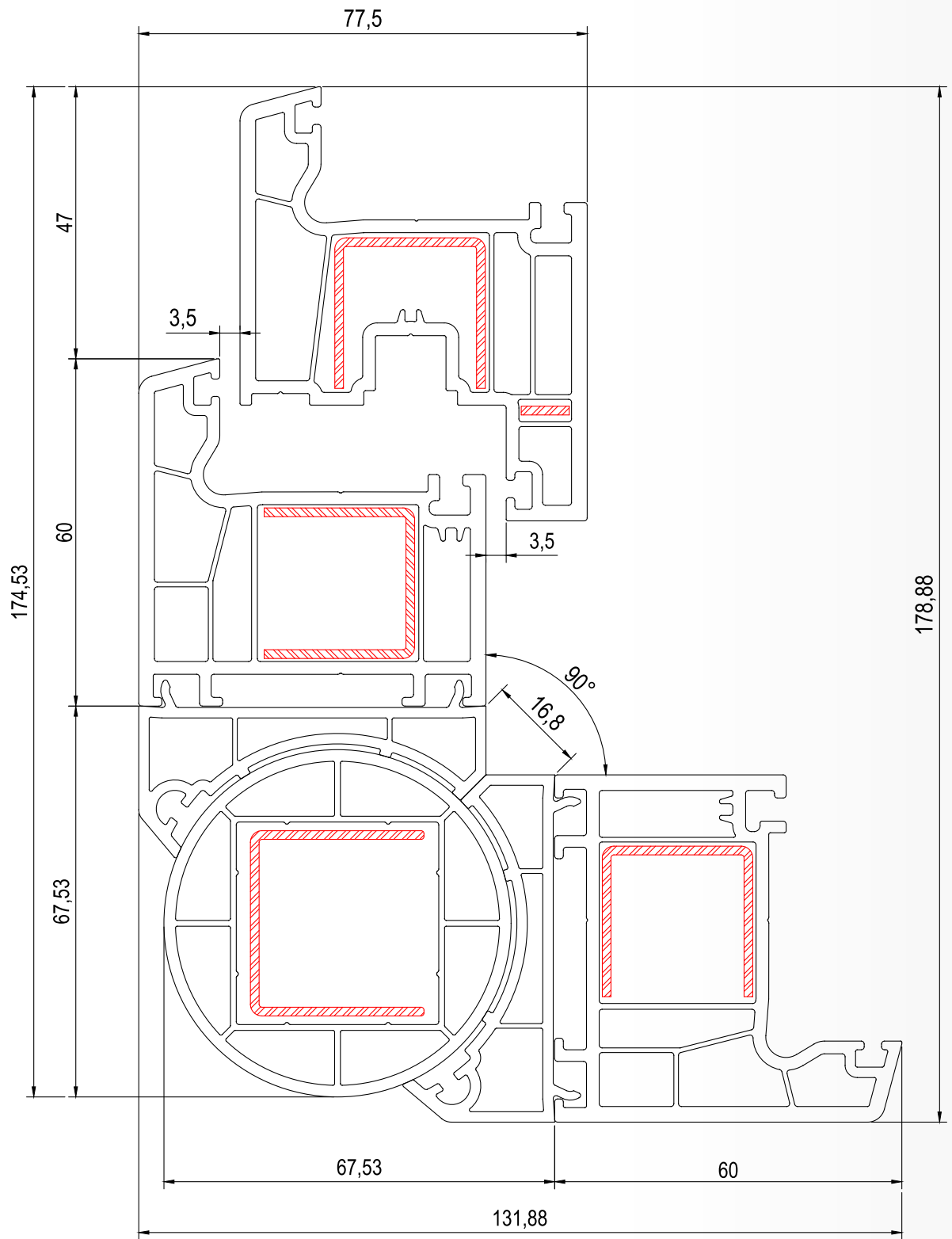
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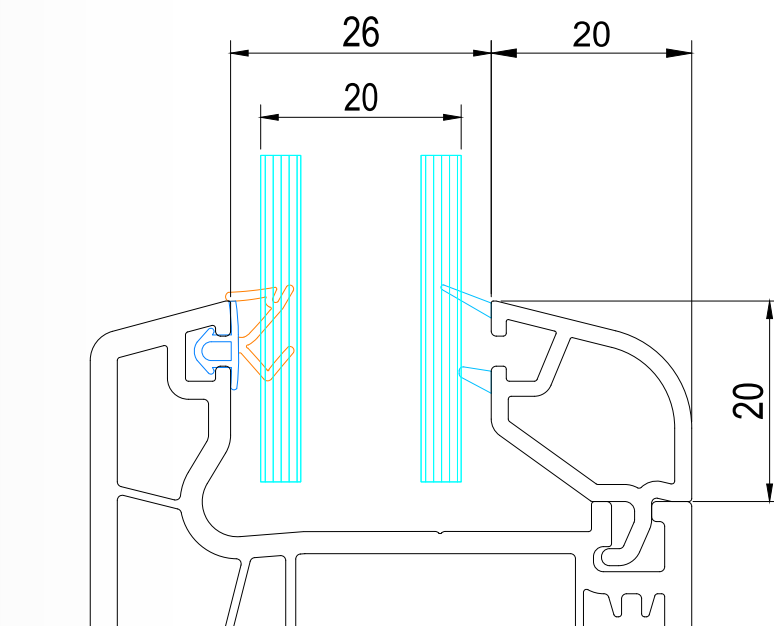
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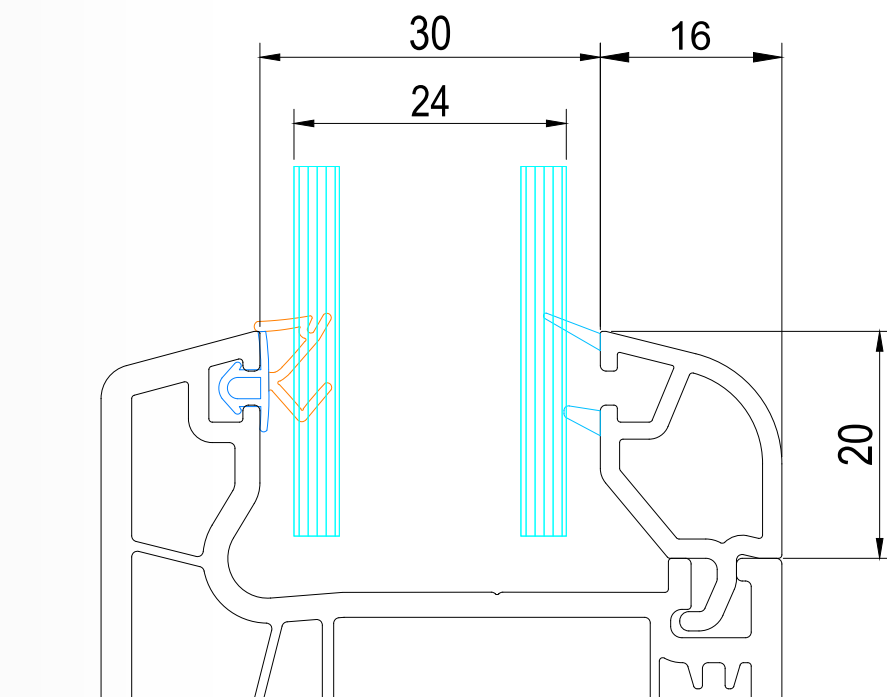
DIMENSIONED SECTION DETAILS



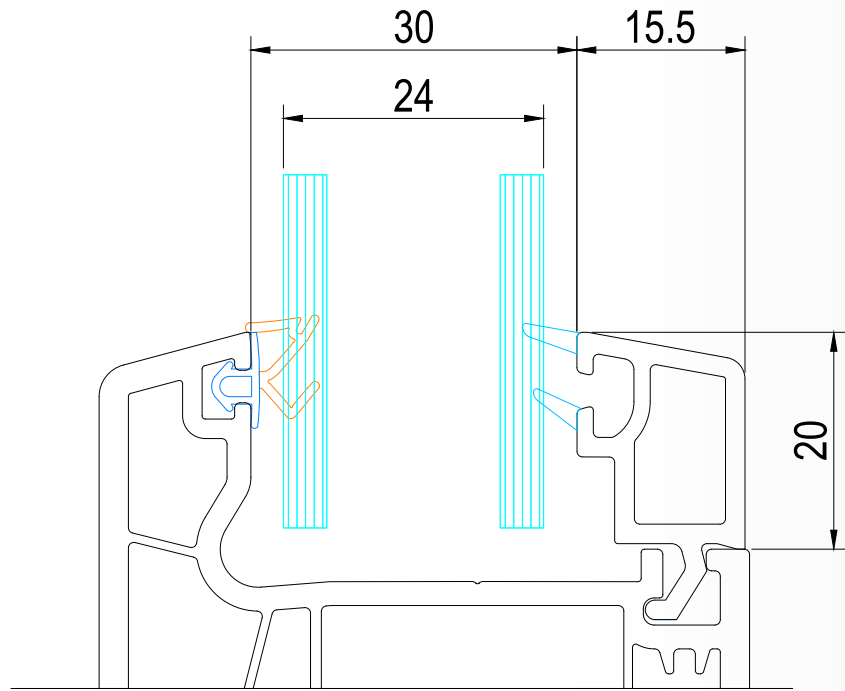
DOUBLE GLAZING BEAD 20MM



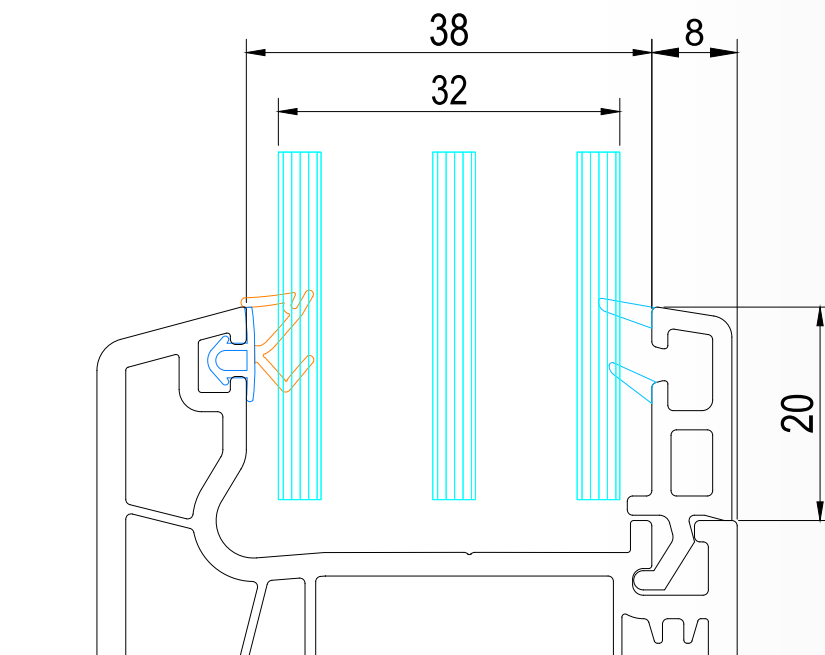
DOUBLE GLAZING BEAD 24MM



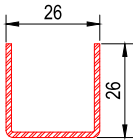
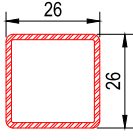
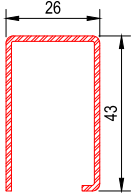
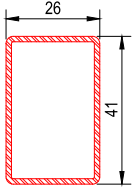
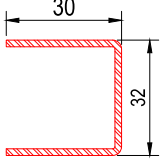
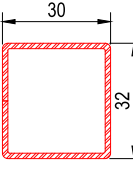
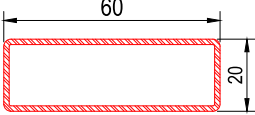
DOUBLE GLAZING BEAD 24MM




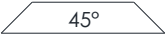
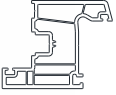
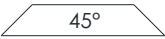
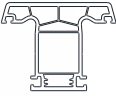

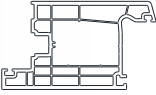
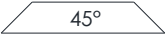
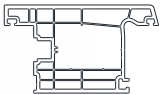


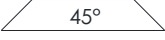



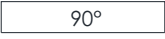

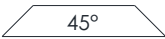



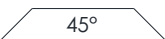

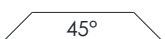
TRIPLE GLAZING BEAD 32MM



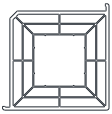








REINFORCEMENT PROFILES

Drawings	Product Code	Moment of Inertia		
		Thickness (S) (mm)	I_x (cm ⁴)	I_y (cm ⁴)
	CLR77.W160-1	1	0,00	0,00
	CLR77.W160-2	1,25	0,65	1,11
	CLR77.W160-3	1,5	0,79	1,30
	CLR77.W160-4	2,0	1,02	1,65
	CLR77.W170-1	1	0,00	0,00
	CLR77.W170-2	1,25	1,22	1,22
	CLR77.W170-3	1,5	1,42	1,42
	CLR77.W170-4	2,0	1,80	1,80
	CLR77.W200-1	1	0,00	0,00
	CLR77.W200-2	1,25	2,86	1,78
	CLR77.W200-3	1,5	3,39	2,09
	CLR77.W200-4	2,0	4,38	2,67
	CLR77.W190-1	1	0,00	0,00
	CLR77.W190-2	1,25	3,64	1,79
	CLR77.W190-3	1,5	4,29	2,10
	CLR77.W190-4	2,0	5,51	2,67
	CLR77.W890-1	1	0,00	0,00
	CLR77.W890-2	1,25	2,00	1,06
	CLR77.W890-3	1,5	2,36	1,26
	CLR77.W890-4	2,0	3,03	1,63
	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.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	Drawing	Cutting angle (45°/90°)	Material	Description
PT4.60.F0011			PVC	Frame profile
PT4.60.V0011			PVC	Sash profile
PT4.60.M0011			PVC	Mullion profile
PT4.60.V0012			PVC	Inward opening door sash
PT4.60.V0013			PVC	Outward opening door sash
CLR77.W160 CLR77.W170		 	Steel	Reinforcement profile Box - U
CLR77.W200 CLR77.W190		 	Steel	Reinforcement profile Box - U
PTE.60.G0001			PVC	Double glazing bead 20mm
PTE.60.G0002			PVC	Double glazing bead 24mm
PT3.58.G0001			PVC	Double glazing bead 24mm
PT3.58.G0002			PVC	Triple glazing bead 32mm

REINFORCEMENT PROFILES

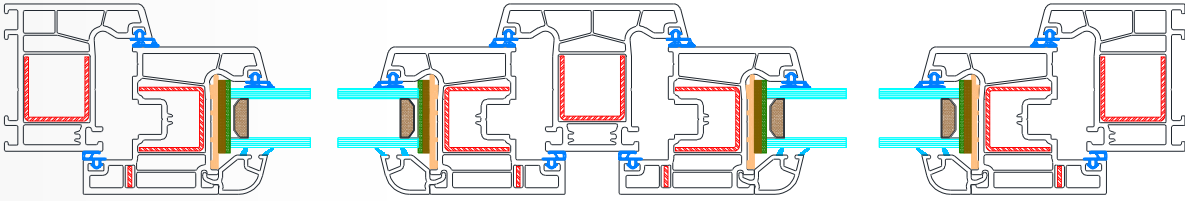
Profile code	Drawing	Cutting angle (45°/90°)	Material	Description
PT5.65.A0005		90°	PVC	Corner Box Profile
PT3.60.A0005		90°	PVC	Angled corner profile
PT3.60.A0006		90°	PVC	Corner Pipe Profile
PT3.60.A0004		90°	PVC	Wide coupling profile
PT3.60.A0003		90°	PVC	Narrow coupling profile
PVF.CP.F0001		45° 90°	PVC	Masking profile
CLR77.W890		90°		Reinforcement profile Box - U
CLR77.W890		90°		Reinforcement profile
CLR77.W50		90°		Reinforcement for wide coupling profile

GASKET USAGE TABLE

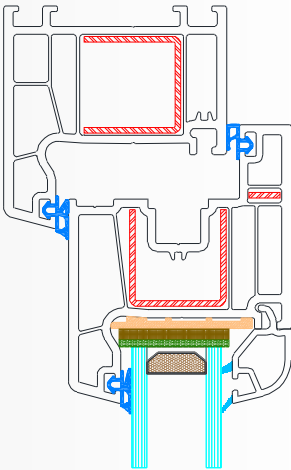
1000004148 1000004568		Black Grey	TPV - TPE	Universal Frame, sash, mullion glass gasket
1000000979 1000000980		Black Grey	TPV - TPE	Concealed sash gasket
1000001002 1000000978		Black Grey	TPV - TPE	Laminate application slat gasket

DETAILED SECTION APPLICATIONS

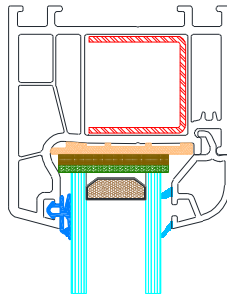
AA Detail



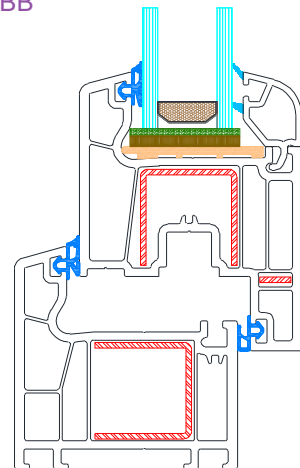
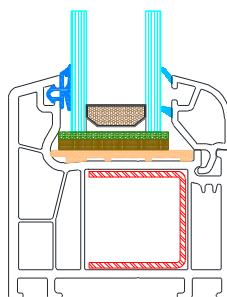
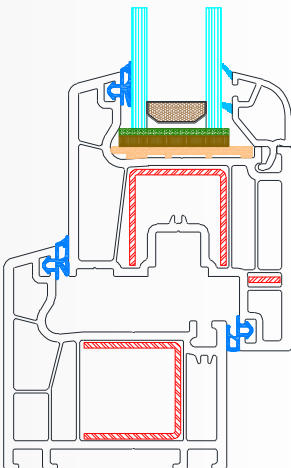
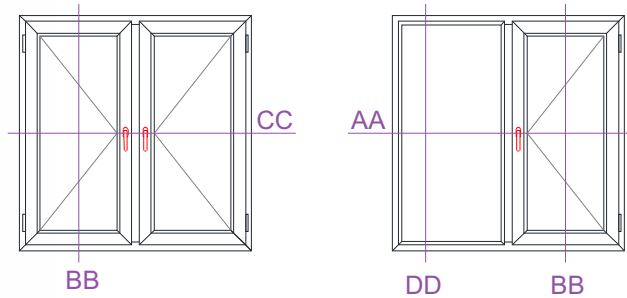
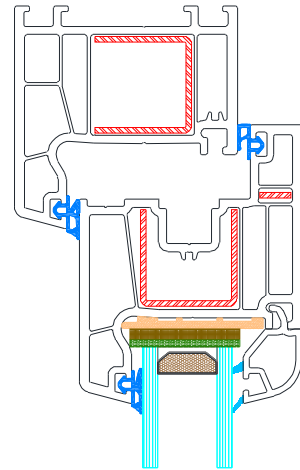
BB Detail



DD Detail

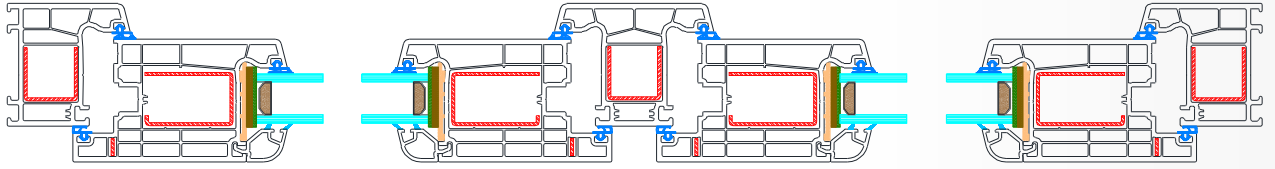


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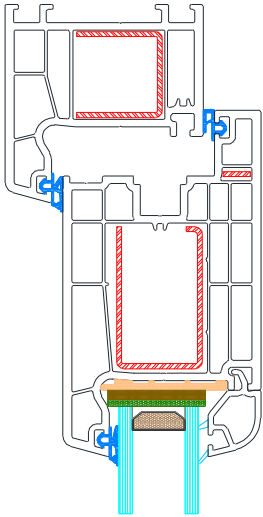


DETAILED SECTION APPLICATIONS

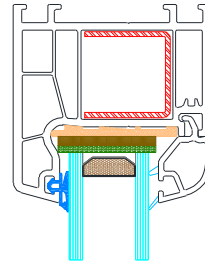
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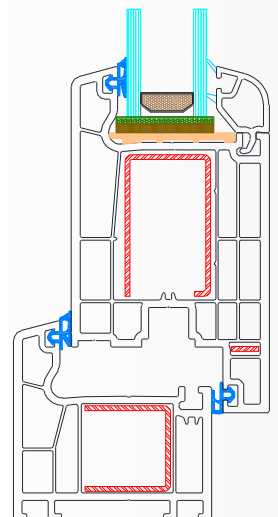
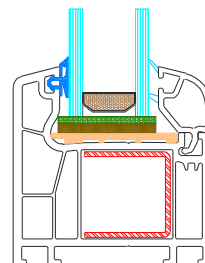
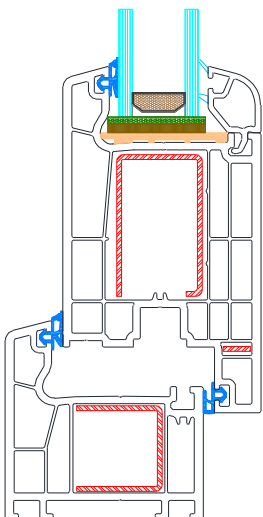
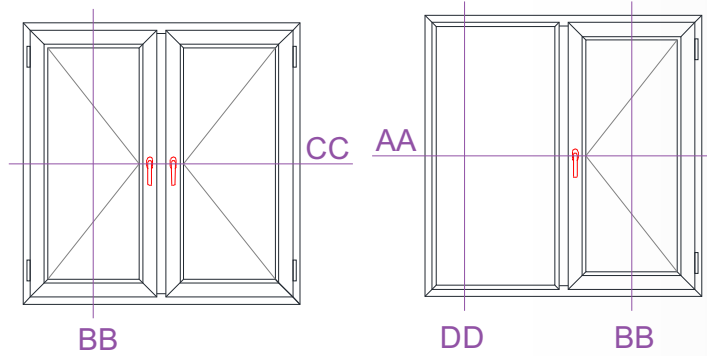
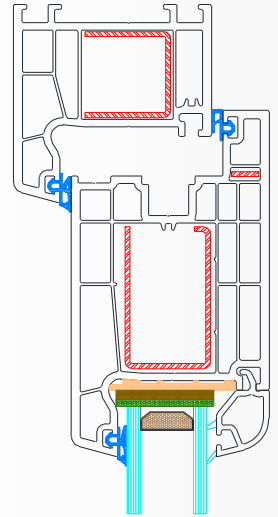
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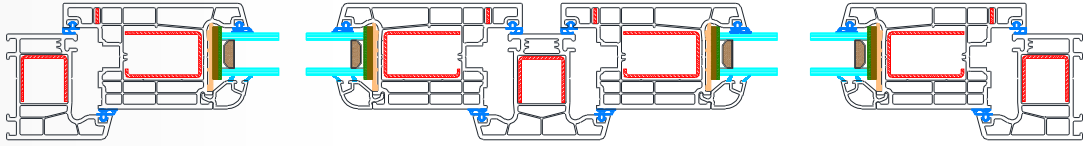


BB Detail



DETAILED SECTION APPLICATIONS

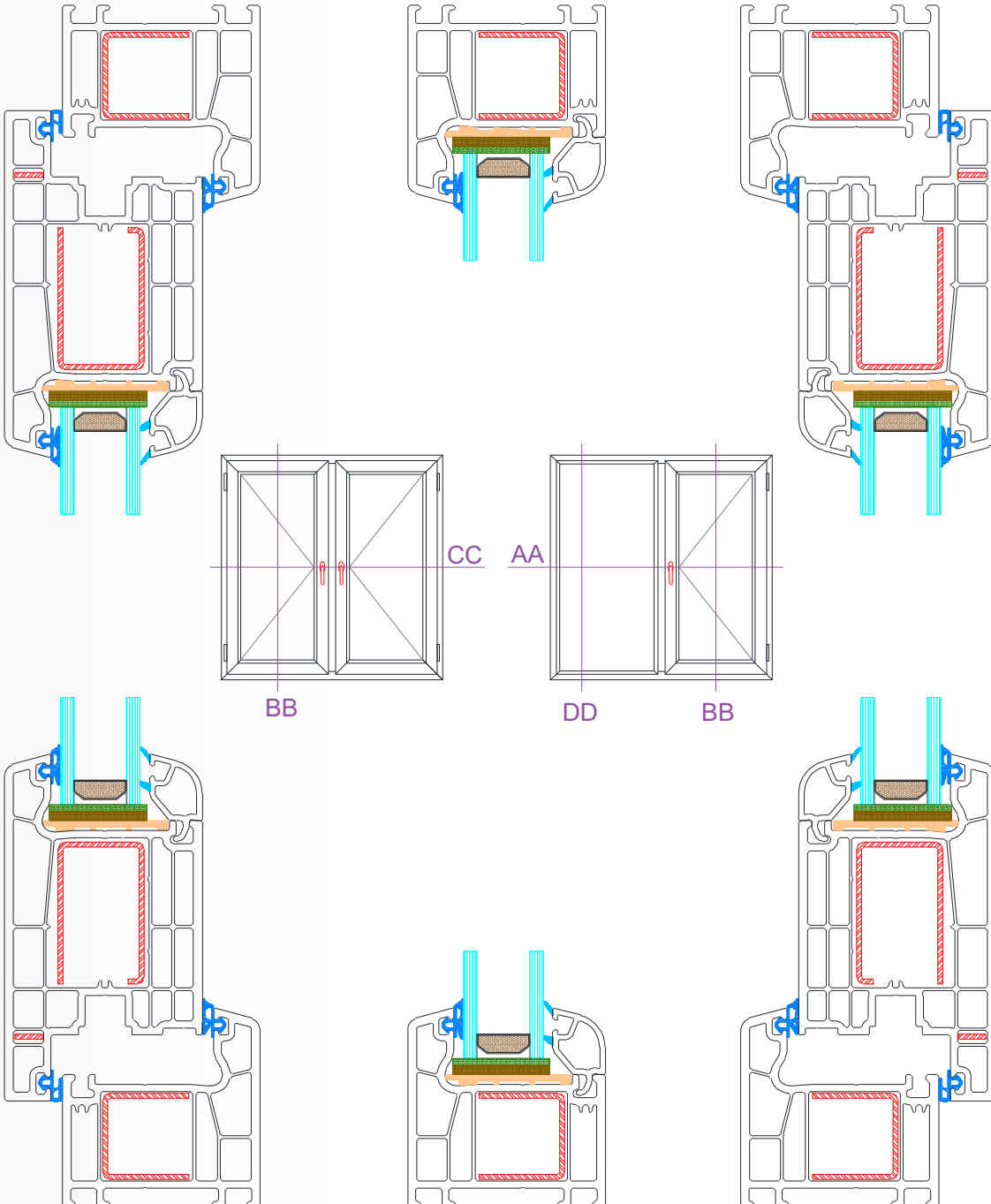
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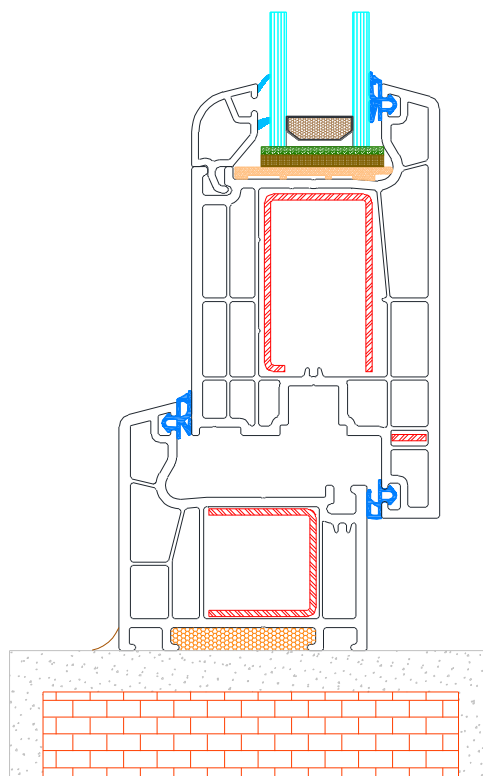
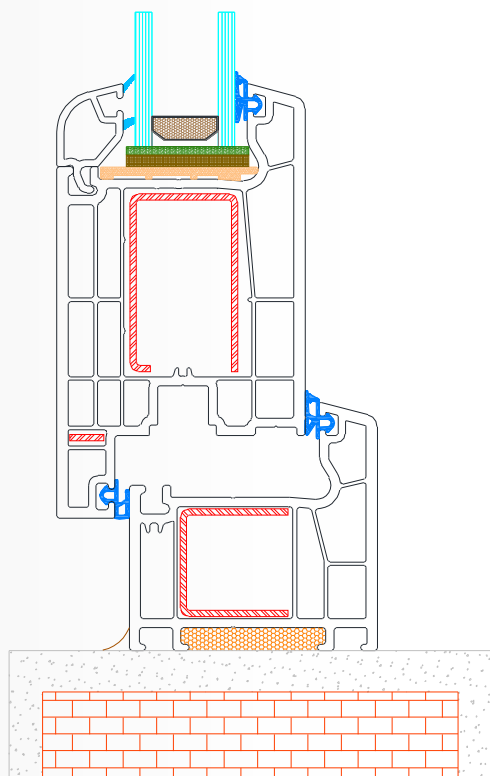
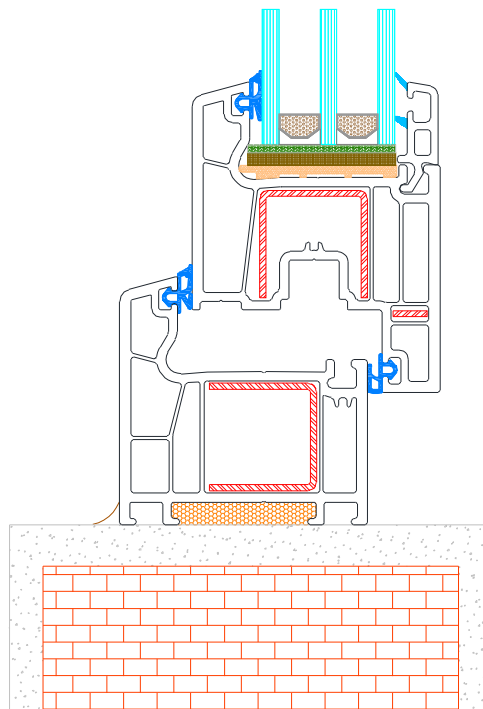
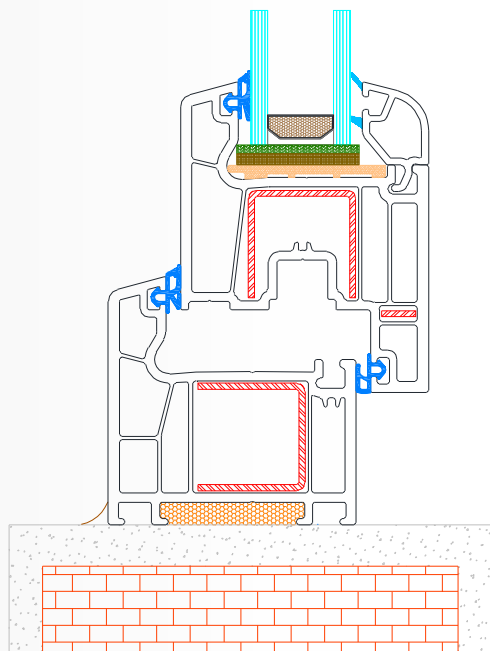
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WINDOW MOUNTING APPLICATIONS

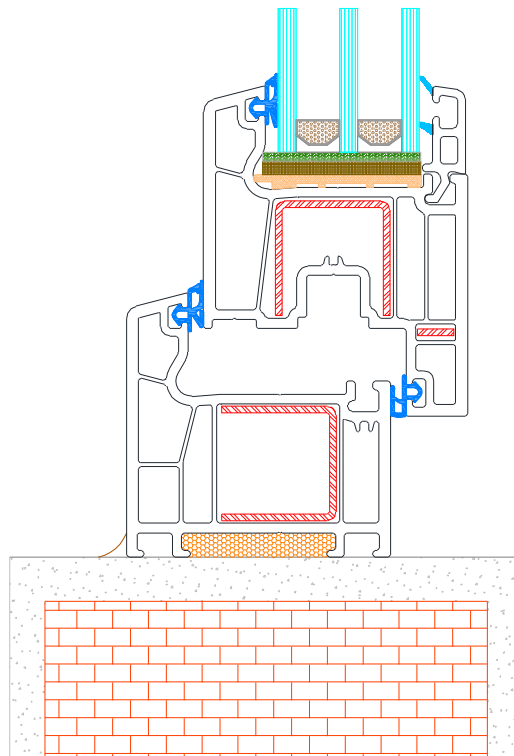
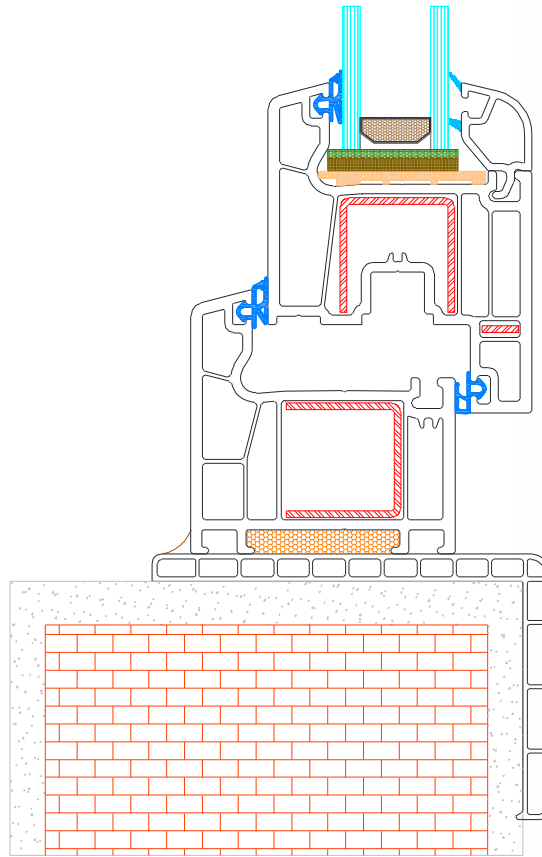


Sealing element (silicone sealant)



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

WINDOW MOUNTING APPLICATIONS

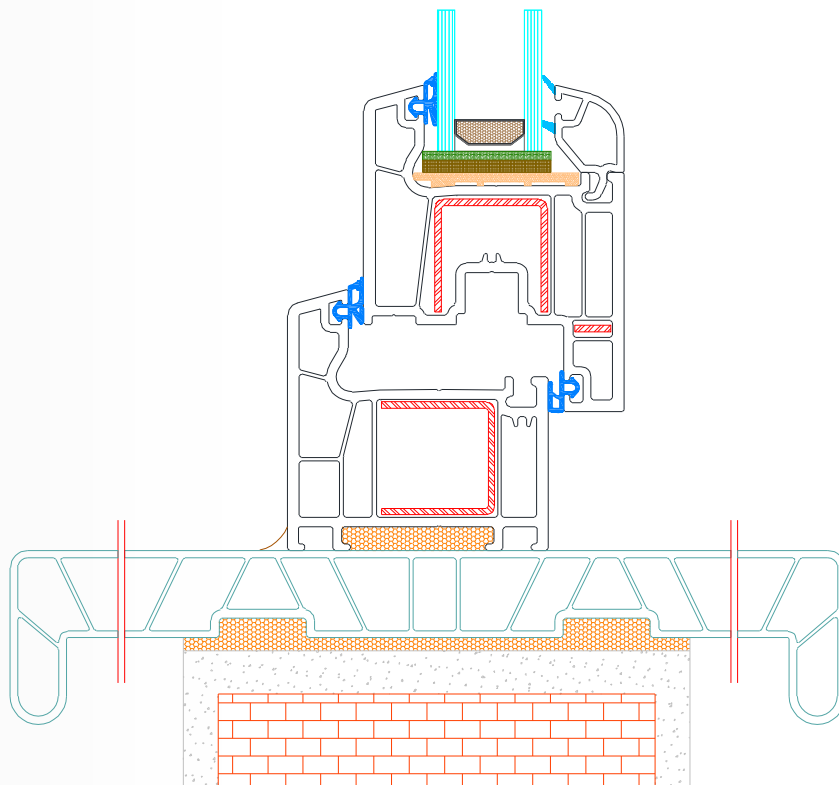
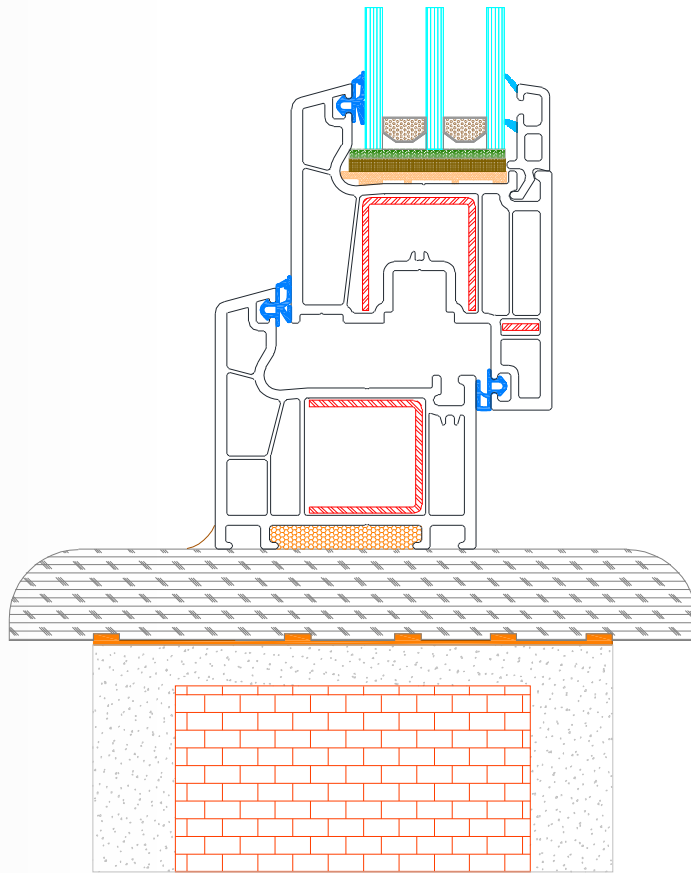


Sealing element (silicone sealant)



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

WINDOW MOUNTING APPLICATIONS

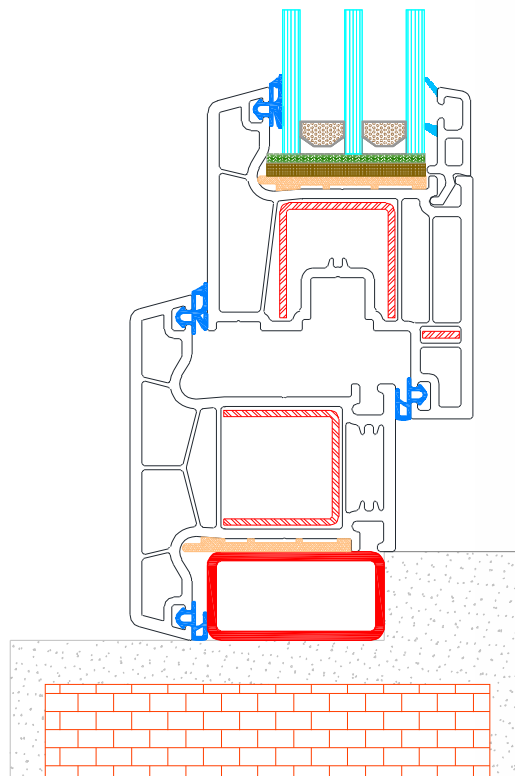
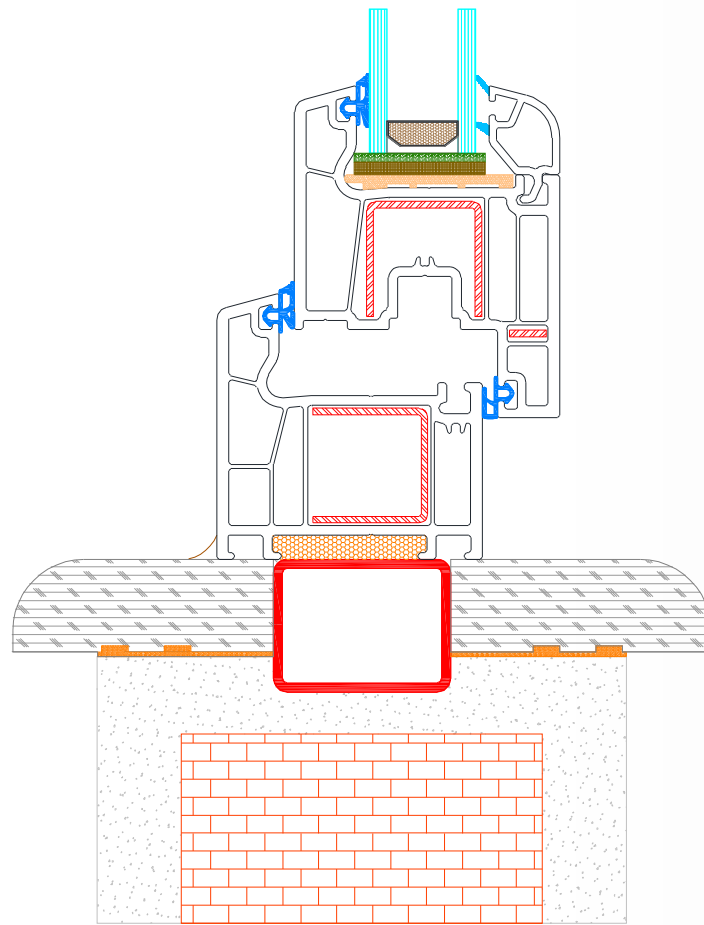


Sealing element (silicone sealant)



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

WINDOW MOUNTING APPLICATIONS



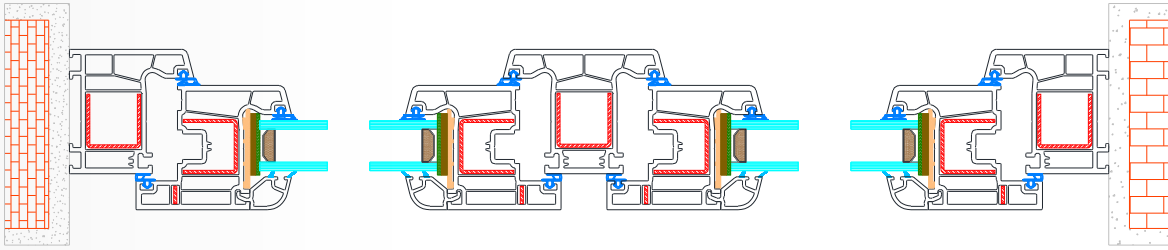
Sealing element (silicone sealant)



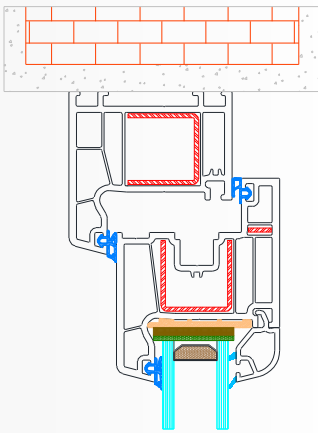
Insulation material (styrofoam, glass wool, foam and cork)

DETAILED SECTION APPLICATIONS

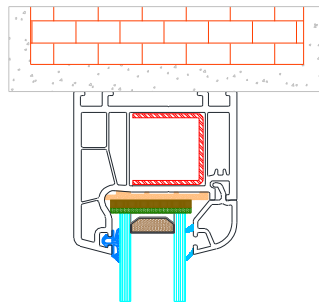
AA Detail



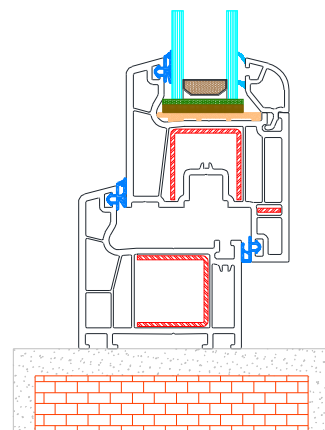
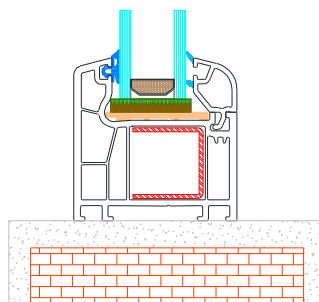
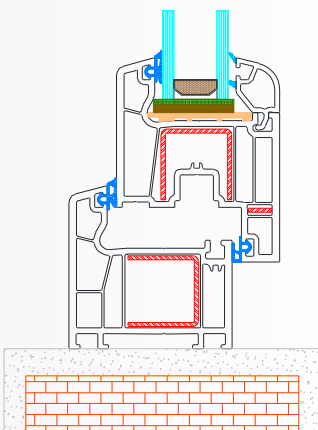
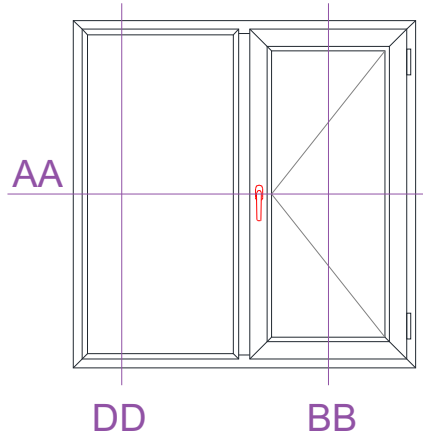
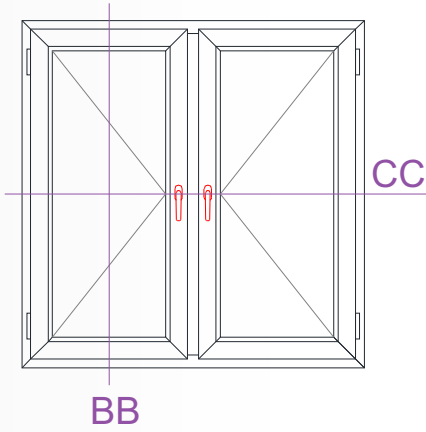
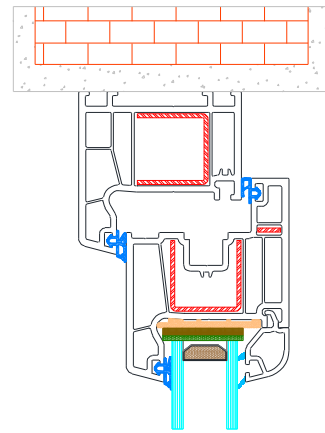
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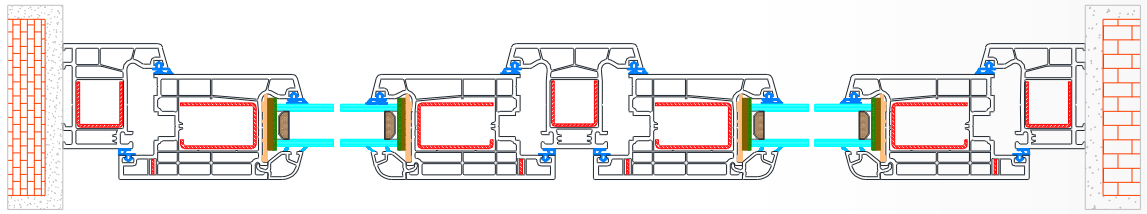


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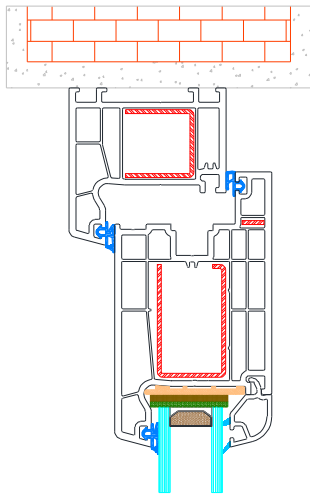


DETAILED SECTION APPLICATIONS

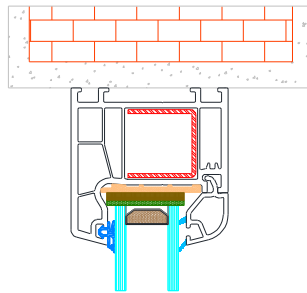
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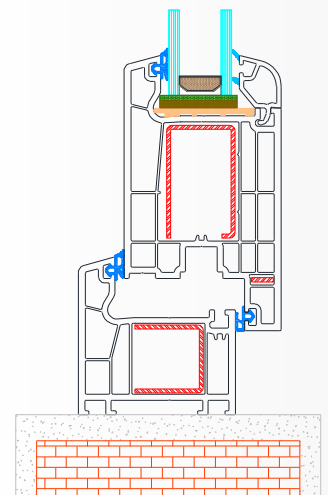
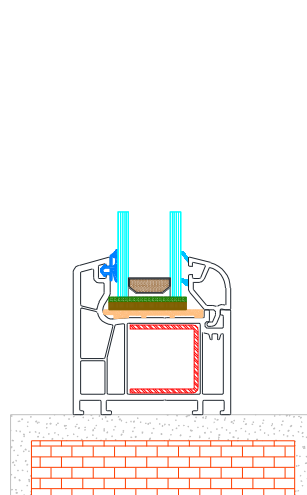
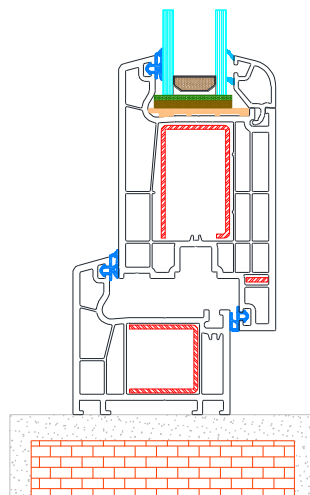
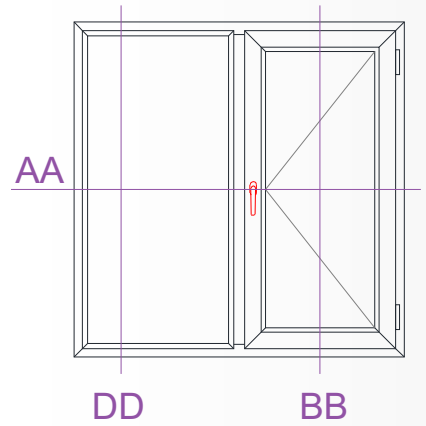
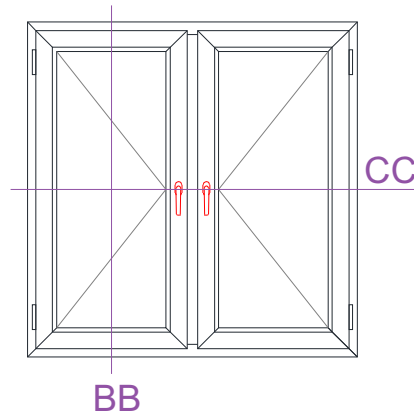
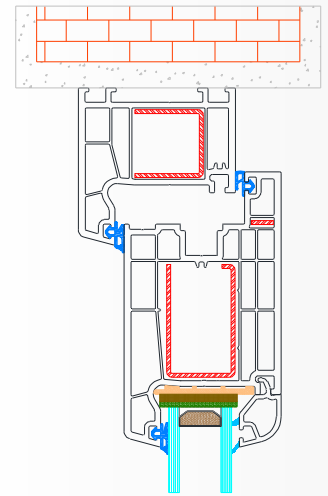
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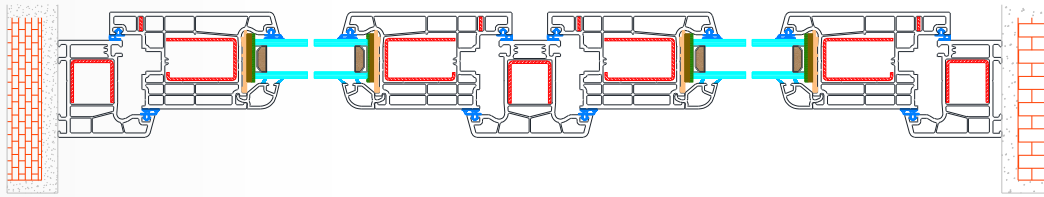


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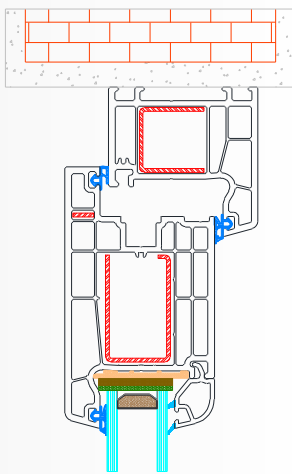


DETAILED SECTION APPLICATIONS

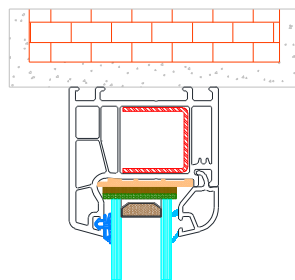
AA Detail



BB Detail



DD Detail



BB Detail

