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IDEAL 4000®

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AM

CL SL RL

AI

3-6 2 162 mm 70 mm

01 Allgemeines

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IDEAL 4000 | Zusatzprofile 1 | Zusatzprofile 2 | Glasleisten | Zubehör IDEAL 2000-8000 | Alu-Vorsatzschalen | Aussteifungen

02 Hauptprofile: Übersicht

02 B Rahmen (Maßstab 1:1) — Seite(n) 1 - 15 — Dateiname(n) 02_B_01_4*

140x01	65mm		(CL)	Rahmen	1
140x12	65/80 x 70mm		(CL)	(MB) / Monoblock-Rahmen	2
140x14	65/80 x 102mm		(CL)	(MB) / Monoblock-Rahmen	3
140x16	65/80 x 122mm		(CL)	(MB) / Monoblock-Rahmen	4
140x18	65/80 x 142mm		(CL)	(MB) / Monoblock-Rahmen	5
140x19	65/80 x 162mm		(CL)	(MB) / Monoblock-Rahmen	6
140x02	70mm		(CL)	Rahmen	7
140x07	70mm		(CL)	Rahmen	8
040x07	70mm		(CL)	powerdur, Rahmen	9
140x08	70mm		(RL)	Rahmen	10
140x03	80mm		(CL)	Rahmen	11
140x13	95mm		(CL)	Altbaurahmen	12
140x11	95mm		(CL)	Altbaurahmen	13
140x81	100mm		(CL)	Rahmen	14
140x10	119mm		(CL)	Altbaurahmen	15

02 C Flügel (Maßstab 1:1) — Seite(n) 1 - 18 — Dateiname(n) 02_C_01_4*

140x86	65mm	fv.	(CL)	bonding, Flügel	1
140x21	72mm	fv.	(SL)	Flügel	2
140x20	77mm	fv.	(SL)	Flügel	3
140x26	77mm	hfv.	(CL)	Flügel	4
140x85	77mm	hfv.	(CL)	bonding, Flügel	5
140x22	77mm	hfv.	(RL)	Flügel	6
140x37	77mm	fv.	(SL)	außenaufgehend, Flügel	7
040x83	82mm	fv.	(CL)	powerdur, bonding, Flügel	8
140x23	82mm	fv.	(SL)	Flügel	9
140x25	82mm	hfv.	(CL)	Flügel	10
140x30	105mm	fv.	(SL)	Flügel	11
140x32	105mm	hfv.	(CL)	Flügel	12
140x34	105mm	hfv.	(RL)	Flügel	13
140x31	105mm	fv.	(SL)	außenaufgehend, Flügel	14
140x33	120mm	fv.	(SL)	Flügel	15
140x36	(120mm)	fv.	(SL)	(140x33 geschnitten) Flügel	16
140x38	120mm	fv.	(RL)	Flügel	17
140x35	120mm	fv.	(SL)	außenaufgehend, Flügel	18

02 D Pfosten / Sprossen (Maßstab 1:1) — Seite(n) 1 - 6 — Dateiname(n) 02_D_01_4*

140x45	104mm	(CL)	Pfosten / Sprosse	1
140x41	84mm	(CL)	Pfosten / Sprosse	2
140x44	84mm	(CL)	Statik-Pfosten / Sprosse	3
140x48	84mm	(SL)	Pfosten / Sprosse	4
140x47	84mm	(RL)	Pfosten / Sprosse	5
140x46	70mm	(CL)	Sprosse	6

02 E Stulpflügel / Stulp-Profile (Maßstab 1:1) — Seite(n) 1 - 9 — Dateiname(n) 02_E_01_4*

140x76	57mm	fv.	(SL)	Stulpflügel	1
140x82	57mm	hfv.	(RL)	Stulpflügel	2
140x77	85mm	fv.	(SL)	Stulpflügel	3
140x84	85mm	hfv.	(RL)	Stulpflügel	4
140x69	64mm		(RL)	großer Stulp	5
140x67	64mm		(SL)	(Haustür) großer Stulp	6
140x65	44mm		(CL)	kleiner Stulp	7
120x97	32mm	.	(RL)	(für Stulpflügel) Mini-Stulp	8
110x97	28mm	.	(RL)	(für Stulpflügel) Mini-Stulp	9

03 Hauptprofile: Kombinationen

			Seite(n)	Dateiname(n)
03 A	**Konstruktionsmaße**		1	03_A_01_4*
03 B	**Haustür-Schwellen**	(Maßstab 1:2)	1 - 11	03_B_01_4*
03 C	**Dreh-Kipp-Tür-Schwellen[2)]**		1 - 7	03_C_01_4*
03 D	**Rahmen[1)] - Flügel[2)]**		1 - 255	03_D_01_4*
03 E	**Rahmen[1)] - Festverglasung**		1 - 15	03_E_01_4*
03 G	**Flügel[2)] - Pfosten[1)] - Flügel[2)]**		1 - 85	03_G_01_4*
03 H	**Flügel[2)] - Pfosten[1)] - Festverglasung**		1 - 85	03_H_01_4*
03 J	**Pfosten[1)] / Sprossen[1)] glasteilend**		1 - 6	03_J_01_4*
03 L	**Flügel[2)] - Stulp[1)] - Flügel[2)]**		1 - 51	03_L_01_4*
03 M	**Stulpflügel[1)] - Flügel[2)]**		1 - 8	03_M_01_4*
03 Y	**Schwingfenster**	(Maßstab 1:2)	1 - 3	03_Y_01_4*
03 Z	**Baukörperanschluss-Beispiele**	(Maßstab 1:1/2)	1 - 12	03_Z_01_4*

[1)] Die Profile sind innerhalb eines Kapitels numerisch sortiert
[2)] Die Flügel sind innerhalb der Profil-Kapitel numerisch sortiert

1)

	Kapitel:	03 D	03 E
lfd.	Rahmen	Seiten	Seiten
1	040x07	17	1
2	140x01	17	1
3	140x02	17	1
4	140x03	17	1
5	140x07	17	1
6	140x08	17	1
7	140x10	17	1
8	140x11	17	1
9	140x12	17	1
10	140x13	17	1
11	140x14	17	1
12	140x16	17	1
13	140x18	17	1
14	140x19	17	1
15	140x81	17	1
	Seiten:	255	15

	Kapitel:	03 G	03 H
lfd.	Pfosten	Seiten	Seiten
1	140x41	17	17
2	140x44	17	17
3	140x45	17	17
4	140x47	17	17
5	140x48	17	17
	Seiten:	85	85

	Kapitel:	03 J
lfd.	Sprossen	Seiten
1	140x41	1
2	140x44	1
3	140x45	1
4	140x46	1
5	140x47	1
6	140x48	1
	Seiten:	6

	Kapitel:	03 L
lfd.	Stulp	Seiten
1	140x65	17
2	140x67	17
3	140x69	17
	Seiten:	51

	Kapitel:	03 M
lfd.	Stulpflügel	Seiten
1	140x76	2
2	140x77	2
3	140x82	2
4	140x84	2
	Seiten:	8

2)

lfd.	Flügel
1	040x83
2	140x20
3	140x21
4	140x22
5	140x23
6	140x25
7	140x26
8	140x30
9	140x31
10	140x32
11	140x33
12	140x34
13	140x35
14	140x37
15	140x38
16	140x85
17	140x86

04 Zusatzprofile

Seite(n) **Dateiname(n)**

Siehe Handbuch: IDEAL Zusatzprofile / Zubehör

05 Zubehör

Seite(n) **Dateiname(n)**

Siehe Handbuch: IDEAL Zusatzprofile / Zubehör

Abkürzungen (je nach Profilserie nicht vorhanden):

Design / Optik:	*(CL) Classic-line / (SL) Soft-line / (RL) Round-line / (HL) Historik-line*
Profilart:	*(MB) Monoblock oder Blockprofil: Rahmen-Gruppe(n) mit integrierter Zarge*
Regionale Profile:	*(A) Österreich / (CH) Schweiz / (NL) Holland*
Flügel-Ebene zum Rahmen:	*fv. flächenversetzt / hfv. halbflächenversetzt / fb. flächenbündig*

Anmerkung zu Kapitel 03 Kombinationen:

Die Seiten-Angabe setzt sich zusammen aus den letzten zwei bis drei Ziffern von Profil 1 (z.B. Rahmen oder Pfosten oder Stulp) und den letzten beiden Ziffern von Profil 2 (z.B. Flügel). Falls kein Profil 2 vorhanden ist, werden Kürzel eingesetzt (z.B. FV für Festverglasung). Somit ergibt sich eine numerische Reihenfolge der Kapitel untereinander und innerhalb der Kapitel.

Beispiel:

*Kapitel / **Seite** 03 D **01-83** = Kapitel 03 D Rahmen - Flügel = mit Rahmen 140x**01** und Flügel 040x**83***
*Kapitel / **Seite** 03 D **01-20** = Kapitel 03 D Rahmen - Flügel = mit Rahmen 140x**01** und Flügel 140x**20***
... usw.
*Kapitel / **Seite** 03 D **01-83** = Kapitel 03 D Rahmen - Flügel = mit Rahmen 140x**01** und Flügel 140x**83***
*Kapitel / **Seite** 03 D **02-83** = Kapitel 03 D Rahmen - Flügel = mit Rahmen 140x**02** und Flügel 040x**83***
... usw.

MATERIALKENNWERTE

Nach DIN EN ISO 1163 setzt aluplast folgende PVC-Formmasse als Werkstoff für seine Profil-Systeme ein:

ISO 1163 - PVC-U, EDLP, 082-50-T28

Iso-Norm DIN EN ...
PVC = Polyvinylchlorid
U = weichmacherfrei (hart)
E = Extrusion
D = Pulver (Dryblend)
L = Licht- und Witterungsstabilisator
P = Schlagzäh modifiziert
082 = Vicat-Erweichungstemperatur: 80 - 84 °C
50 = Kerbschlagzähigkeit: >40 kJ/m²
T28 = Elastizitätsmodul: 2500 - 3000 N/mm² (Zugmodul = tension = T)

Die eingesetzte Rezeptur ist barium- und cadmiumfrei.
Andere Ausführungen / Lieferungen laut Systembeschreibung oder auf Anfrage

Kenndaten CaZn (Kalzium Zink)

nach Norm(en):	Bezeichnung:	Einheit:	Ergebnis:
DIN EN ISO 306	**Formbeständigkeit in der Wärme** Vicat-Erweichungstemperatur VST/B 50	°C	80 $\pm$ 2
DIN EN ISO 179-1 / 1eA / 1eC / 1fC	**Doppel-V-Kerbschlagzähigkeit a_v** (RAL-Zähigkeit) Charpy / Normstab nach RAL	kJ/m² bei + 23° C	**Ø ≥ 40** kein Wert unter 20
DIN EN ISO 178 / 527-1 u. 527-2	**Biegemodul E_f / Zugmodul E_t**	N/mm²	2800
DIN EN ISO 182-2 / DIN 53 381-1	**Stabilitätszeit t_{St}** pH-Messverfahren, Ölbad / Leitfähigkeitsmessverfahren	Minuten bei + 200° C	40 $\pm$ 6

Allgemeine Kenndaten PVC-U

nach Norm(en):	Bezeichnung:	Einheit:	Ergebnis:
DIN 53752 Leitz-Dilatometer	**Längenausdehnungskoeffizient** von - 30° und + 50° C	1/K	7 x 10^{-5}
DIN 52612-1/-2/-3 Zweiplattenverfahren	**Wärmeleitfähigkeit λ** (Lambda)	W/mK	0,16
DIN 4102-1	**Brandverhalten PVC-U** Flachprofile	-	B1
DIN 4102-1	**Brandverhalten PVC-U** Hohlkammerprofile	-	B2
DIN EN 13501-1	**Brandverhalten PVC-U**	-	E

1. Konstruktion

1.1. Profilaufbau

Charakteristisches Merkmal des **aluplast**-Anschlag-Profilsystems **IDEAL 4000** mit 70mm Bautiefe ist die Ausbildung von Standard-Blendrahmen-, Flügel- und Pfosten- bzw. Sprossenprofile als 3-6-Kammer-System.

Die mehrfach außen und innen liegenden Hohlkammern garantieren optimale Wärmedämmeigenschaften, wobei die äußere Hohlkammer zusätzlich eine verdeckt liegende Entwässerung bzw. Belüftung der Fälze ermöglicht.

Die großen Mittelkammern sind für die Aufnahme der statisch erforderlichen Armierungsquerschnitte ausgelegt.

energeto® 4000: Profile zur Scheibenverklebung (bonding inside) und/oder mit Faserverstärkung (powerdur inside) erfordern z.T. keine zusätzliche Aussteifung und ermöglichen eine kleine Rahmen-Flügel-Ansichtsbreite.

1.2. Dichtungsanordnung

Die Hauptprofile sind bis auf wenige Ausnahmen werkseitig mit Dichtungen erhältlich.
(siehe auch Punkt 5. Dichtungen)

Die äußere Rahmen-Anschlagdichtung und die innere Flügel-Anschlagdichtung optimieren Wärme- und Schalldämmwerte und verhindern Kondensatbildung im Beschlagsbereich.

Hauptprofile mit werkseitig integrierten TPE-Anschlag- und Verglasungs-Dichtungen sind verschweißbar.

Bei Hauptprofilen ohne werkseitige Dichtungen werden optional erhältliche (Reparatur-)Dichtungen umlaufend in einer Ebene - und ohne Unterbrechungen im Gehrungsbereich - eingebracht.

2. Systemumfang

Design: Classic-line, Soft-line und Round-line in unterschiedlichen Ansichtsbreiten
(aktuelles Produktprogramm laut Übersichtsplan IDEAL 4000)

- Blendrahmen

- Altbaurahmen/Renovierungsrahmen (mit Anschlag und/oder Aufnahme für Anschlag-/Zargenprofile)

- Flügel (flächenversetzt, halbflächenversetzt)

- Hauseingangstürflügel (nach innen und nach außen öffnend)

- Nebeneingangstürflügel (nach innen und nach außen öffnend)

- Stulpflügel (Flügel mit integriertem Stulp)

- Stulp-Profile

- Pfosten/Sprossen, Statikpfosten/Statiksprossen

energeto® 4000
- Blendrahmen faserverstärkt (powerdur inside)
- Flügel zur Scheibenverklebung (bonding inside) (flächenversetzt, halbflächenversetzt)

aluskin (Alu-Vorsatzschalen)

(Glasleisten sind als Classic-line, Soft-line, Round-line und Historik-line erhältlich)

3. Öffnungsarten

Das **aluplast**-3-6-Kammer-Anschlagdichtung-Profilsystem **IDEAL 4000** bietet für alle Einsatzzwecke die passende Öffnungsart, wie z.B. für den Alt- und Neubau im Wohnhausbereich, als auch für den Verwaltungs- und Industriebau.

Von der Bautiefe ist **IDEAL 4000** mit dem 3-6-Kammer-Mitteldichtungs-System **IDEAL 5000** kombinierbar.

- Dreh-Fenster und –Türen
- Dreh-Kipp-Fenster und –Türen
- Kipp- und Klapp-Fenster
- zwei-flügelige Fenster und Türen ohne festen Pfosten
- mehrflügelige Fenster und Türen mit Pfosten und Riegel
- Fensterwände
- Schräg- und Bogen-Fenster
- Festverglasungen

4. Beschläge

Alle Flügel- und Stulp-Profile besitzen die 16mm breite Euro-Beschlagsnut mit 13mm Schließachse.

Es lassen sich alle Beschläge mit RAL-Gütezeichen der verschiedenen Beschlagshersteller einsetzen.
Die Schließstücke sind systembezogen und sind im Beschlagshandel erhältlich.

Aluminiumteile dürfen nur mit Schrauben aus Edelstahl – mindestens V2A-Qualität – befestigt werden.

5. Dichtungen

aluplast-Profile können gemäß Preisliste auch **mit** werkseitig integrierten Dichtungen geliefert werden.

TPE: verschweißbar, Thermoplastisches Elastomer nach RAL-GZ 716/1 Abschnitt II			
Hauptprofile: Grundkörperfarbe in	weiß ähnlich RAL 9016		braun ähnlich RAL 8019
Dekor	ohne Dekor	einseitig	beidseitig
werkseitig integrierte Dichtungen in:	papyrusweiß	schwarz	

Bei Profilen **ohne** werkseitig integrierten Dichtungen können optional erhältliche (Reparatur-)Anschlag- und (Reparatur-)Verglasungsdichtungen wahlweise in papyrusweiß oder schwarz verwendet werden.
Sie werden aus alterungs- und witterungsbeständigem EPDM (APTK)-Material hergestellt.

EPDM: nicht verschweißbar, Formmasse nach DIN 7863

Die Dichtungen werden umlaufend eingezogen und im oberen Querstück des Rahmens oder des Flügels stumpf gestoßen. Ein Einschneiden der Dichtungen im Gehrungsbereich entfällt.

6. Verglasung

Es können alle handelsüblichen Einzelgläser, Isolierglasscheiben und Füllungen eingebaut werden.

Der Einbau erfolgt mit vorgefertigten Dichtprofilen (Trockenverglasung).

Einsetzbare theoretische Scheibenstärken: Standard: bis 41mm

7. Aussteifungen und Aluprofile

In Abhängigkeit von der Fenstergröße und den statischen Erfordernissen werden Blendrahmen, Flügel und Pfosten bzw. Sprossen mit kaltgewalzten, verzinkten Stahlprofilen verstärkt, soweit sie für diesen Zweck über eine Aussteifungskammer bzw. über die Option zur Aussteifung verfügen.

Material: Hohlprofile Band EN 10142 DX51D+Z275 NA-C
Offene Profile Band EN 10142 DX51D+Z275 NA-C

Korrosionsschutz Zinkauflage nach DIN EN 10326
Für innen liegende Verstärkungen beträgt die Mindestzinkauflage 150g/m²
Für außen liegende Verstärkungen beträgt die Mindestzinkauflage 275g/m²

Aluminiumprofile: AlMgSi

Aluminiumteile dürfen nur mit Schrauben aus Edelstahl – mindestens V2A-Qualität – befestigt werden.

8. Dekore und Farben

Die Profile sind mit Dekorkaschierung erhältlich, die aktuelle Farbpalette entnehmen Sie bitte der gültigen Preis- bzw. Dekorliste.

Die Grundkörperfarbe ist weiß, ähnlich RAL 9016 oder braun, ähnlich RAL 8019.

9. Pflege und Wartung

Verunreinigungen auf Kunststoff-Fensterprofilen lassen sich mit handelsüblichen Haushalts-Reinigungsmitteln entfernen. Es dürfen keine anlösenden und scheuernden Reiniger eingesetzt werden.

Die Beschläge sind entsprechend den Anweisungen der jeweiligen Hersteller zu fetten.

Siehe auch **Kapitel 10 R Reinigung, 10 S Wartung, 10T Lüftung**.
Hier finden Sie weitere Hinweise und von **aluplast** empfohlene Reinigungsmittel.

10. Fensterwerkstoff

Siehe **Kapitel 01 A Materialkennwerte**

Produktdatenblatt
Standard-Kunststoff-Fenster
aluplast IDEAL 4000 ®

5-Kammer
flächenversetzt (fv.)
Soft-line / Classic-line

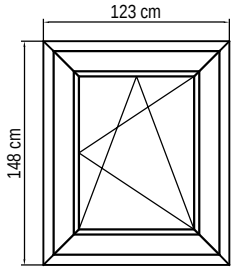
Materialien: Wärmeschutz-Isolierglas (U_g laut Tabelle)
PVC-hart (ISO 1163 - PVC-U, EDLP, 082-50-T28) (U_f laut Tabelle)
Mehrkammer-Profile mit Stahlaussteifung

Eigenschaften:
Luftdurchlässigkeit: bis Klasse: 4 (DIN EN 12207)
Schlagregendichtheit: bis Klasse: 9A (DIN EN 12208)
Widerstandsfähigkeit gegen Windlast: bis Klasse: C5 (DIN EN 12210)
Schallschutz (bei Glasdicken 2x 4mm oder 3x 4mm) entspricht Isolierglaseinheit R_w = 30 dB. Daraus resultiert nach EN 14351-1:
$R_{w,P}$ = 33 dB ($R_{w,R} = R_{w,P}$ - 2 dB)
P: Prüfwert; R: Rechenwert

Besonderheiten: Durch den Einsatz von einem Schallschutzisolierglas (gemäß entsprechendem aluplast-Prüfzeugnis) kann ein $R_{w,P}$ von 45 dB ($R_{w,R} = R_{w,P}$ - 2 dB) erreicht werden.
P: Prüfwert; R: Rechenwert

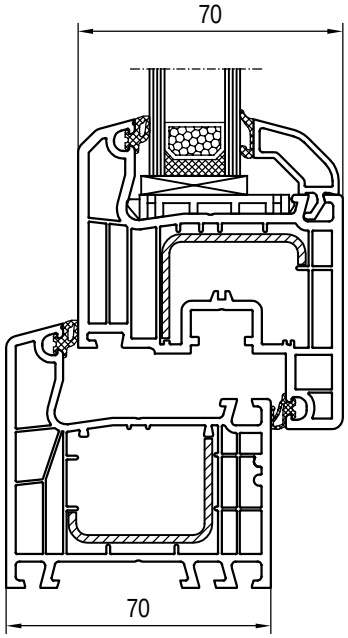
Wärmeschutz: U_w -Wert Fenster (DIN EN ISO 10077-1) laut Tabelle.

Referenzgröße: 1,23m x 1,48m [1)]



Maßstab: 1:50

Systemgeber: aluplast GmbH, Auf der Breit 2, D-76227 Karlsruhe



Zugrundeliegende Profil-Kombination für U_f
Maßstab: 1:2

Anmerkungen:
1) Fenster mit einem Wärmedurchgangskoeffizienten der Verglasung U_g < 1,9 W/m²K dürfen immer mit dem Standardmaß 1,23m x 1,48m angegeben werden (DIN EN 14351-1: Tabelle E.1, Fußnote "d").
2) U_w -Werte < 1,0 W/m²K werden gemäß DIN EN ISO 10077 mit 2 Nachkommastellen ausgewiesen.
3) PHT: U_f -Wert <= 1,2 W/m²K und U_w -Wert <= 0,80 W/m²K: Fenster = hochwärmegedämmt / passivhaus-tauglich. (soweit vorhanden: siehe Kennzeichnung "PHT" in der Tabelle)
4) Mit Zusatzmaßnahmen ist eine größere Verglasung möglich

U_f Rahmen	U_g Verglasung	U_w Fenster		
Auf Basis der zugrundeliegenden Profil-Kombination und Ausstattung (Materialien)	mit Standarddichtungen ohne Glasfalzverbreiterung **10-41mm** [4)]	Isolierglas-Randverbund Standard (z.B. Alu) **Ψ (Psi) 0,07** [W/mK]	Isolierglas-Randverbund Warme Kante **Ψ (Psi) 0,04** [W/mK]	Isolierglas-Randverbund Warme Kante **Ψ (Psi) 0,032** [W/mK]
	DIN EN 673 **ΔT (15°C)**	DIN EN ISO 10077-1 -> CE-Kennzeichnung	DIN EN ISO 10077-1 -> CE-Kennzeichnung	DIN EN ISO 10077-1 -> CE-Kennzeichnung
[W/m²K]	[W/m²K]	2) 3) [W/m²K]	2) 3) [W/m²K]	2) 3) [W/m²K]
1,3	1,4	1,6 (1,54) ○	1,5 (1,46) ○	1,4 (1,44) ○
	1,3	1,5 (1,47) ○	1,4 (1,40) ○	1,4 (1,38) ○
	1,2	1,4 (1,40) ○	1,3 (1,33) ○	1,3 (1,31) ○
	1,1	1,3 (1,34) ○	1,3 (1,26) ○	1,2 (1,24) ○
	1,0	1,3 (1,27) ○	1,2 (1,20) ○	1,2 (1,18) ○
	0,9	1,2 (1,20) ○	1,1 (1,13) ○	1,1 (1,11) ○
	0,8	1,1 (1,14) ○	1,1 (1,07) ○	1,0 (1,05) ○
	0,7	1,1 (1,07) ○	1,0 (1,00) ○	0,98 ○
	0,6	1,0 (1,01) ○	0,93 ○	0,91 ○
	0,5	0,94 ○	0,87 ○	0,85 ○
	0,4	0,87 ○	0,80 ○	0,78 ○

○ Der U_w-Wert Fenster auf Basis vom U_f -Wert Rahmen und dem gewählten U_g-Wert Verglasung kann in der Tabelle angekreuzt werden

Produktdatenblatt
Standard-Kunststoff-Fenster
aluplast IDEAL 4000 ®

5-Kammer
halbflächenversetzt (hfv.)
Classic-line

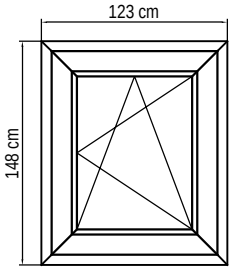
Materialien: Wärmeschutz-Isolierglas (U_g laut Tabelle)
PVC-hart (ISO 1163 - PVC-U, EDLP, 082-50-T28) (U_f laut Tabelle)
Mehrkammer-Profile mit Stahlaussteifung

Eigenschaften:
Luftdurchlässigkeit: bis Klasse: 4 (DIN EN 12207)
Schlagregendichtheit: bis Klasse: 9A (DIN EN 12208)
Widerstandsfähigkeit gegen Windlast: bis Klasse: C5 (DIN EN 12210)
Schallschutz (bei Glasdicken 2x 4mm oder 3x 4mm) entspricht Isolierglaseinheit R_w = 30 dB. Daraus resultiert nach EN 14351-1:
$R_{w,P}$ = 33 dB ($R_{w,R} = R_{w,P}$ - 2 dB)
P: Prüfwert; R: Rechenwert

Besonderheiten: Durch den Einsatz von einem Schallschutzisolierglas (gemäß entsprechendem aluplast-Prüfzeugnis) kann ein $R_{w,P}$ von 45 dB ($R_{w,R} = R_{w,P}$ - 2 dB) erreicht werden.
P: Prüfwert; R: Rechenwert

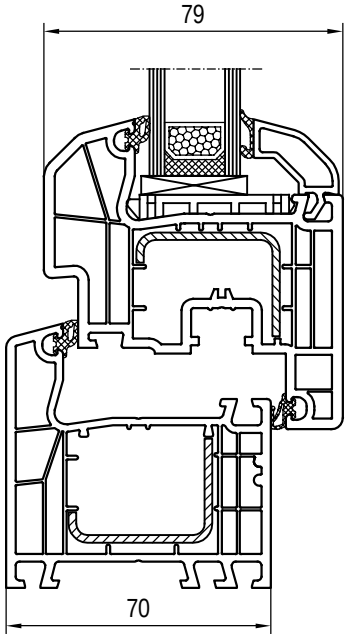
Wärmeschutz: U_w -Wert Fenster (DIN EN ISO 10077-1) laut Tabelle.

Referenzgröße: 1,23m x 1,48m [1)]



Maßstab: 1:50

Systemgeber: aluplast GmbH, Auf der Breit 2, D-76227 Karlsruhe



Zugrundeliegende Profil-Kombination für U_f
Maßstab: 1:2

Anmerkungen:
1) Fenster mit einem Wärmedurchgangskoeffizienten der Verglasung U_g < 1,9 W/m²K dürfen immer mit dem Standardmaß 1,23m x 1,48m angegeben werden (DIN EN 14351-1: Tabelle E.1, Fußnote "d").
2) U_w -Werte < 1,0 W/m²K werden gemäß DIN EN ISO 10077 mit 2 Nachkommastellen ausgewiesen.
3) PHT: U_f -Wert <= 1,2 W/m²K und U_w -Wert <= 0,80 W/m²K: Fenster = hochwärmegedämmt / passivhaus-tauglich. (soweit vorhanden: siehe Kennzeichnung "PHT" in der Tabelle)
4) Mit Zusatzmaßnahmen ist eine größere Verglasung möglich

U_f Rahmen	U_g Verglasung	U_w Fenster		
Auf Basis der zugrundeliegenden Profil-Kombination und Ausstattung (Materialien)	mit Standarddichtungen ohne Glasfalzverbreiterung 10-41mm [4)]	Isolierglas-Randverbund Standard (z.B. Alu) Ψ (Psi) 0,07 [W/mK]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,04 [W/mK]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,032 [W/mK]
DIN EN 673 ΔT (15°C)	DIN EN ISO 10077-1 -> CE-Kennzeichnung	DIN EN ISO 10077-1 -> CE-Kennzeichnung	DIN EN ISO 10077-1 -> CE-Kennzeichnung	
[W/m²K]	[W/m²K]	2) 3) [W/m²K]	2) 3) [W/m²K]	2) 3) [W/m²K]
1,3	1,4	1,6 (1,54) ○	1,5 (1,46) ○	1,4 (1,44) ○
	1,3	1,5 (1,47) ○	1,4 (1,40) ○	1,4 (1,38) ○
	1,2	1,4 (1,40) ○	1,3 (1,33) ○	1,3 (1,31) ○
	1,1	1,3 (1,34) ○	1,3 (1,26) ○	1,2 (1,24) ○
	1,0	1,3 (1,27) ○	1,2 (1,20) ○	1,2 (1,18) ○
	0,9	1,2 (1,20) ○	1,1 (1,13) ○	1,1 (1,11) ○
	0,8	1,1 (1,14) ○	1,1 (1,07) ○	1,0 (1,05) ○
	0,7	1,1 (1,07) ○	1,0 (1,00) ○	0,98 ○
	0,6	1,0 (1,01) ○	0,93 ○	0,91 ○
	0,5	0,94 ○	0,87 ○	0,85 ○
	0,4	0,87 ○	0,80 ○	0,78 ○

○ Der U_w-Wert Fenster auf Basis vom U_f -Wert Rahmen und dem gewählten U_g-Wert Verglasung kann in der Tabelle angekreuzt werden

Produktdatenblatt
Standard-Kunststoff-Fenster
aluplast IDEAL 4000 ®

5-Kammer
halbflächenversetzt (hfv.)
Round-line

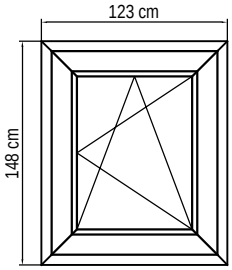
Materialien: Wärmeschutz-Isolierglas (U_g laut Tabelle)
PVC-hart (ISO 1163 - PVC-U, EDLP, 082-50-T28) (U_f laut Tabelle)
Mehrkammer-Profile mit Stahlaussteifung

Eigenschaften:
Luftdurchlässigkeit: bis Klasse: 4 (DIN EN 12207)
Schlagregendichtheit: bis Klasse: 9A (DIN EN 12208)
Widerstandsfähigkeit gegen Windlast: bis Klasse: C5 (DIN EN 12210)
Schallschutz (bei Glasdicken 2x 4mm oder 3x 4mm) entspricht Isolierglaseinheit R_w = 30 dB. Daraus resultiert nach EN 14351-1:
$R_{w,P}$ = 33 dB ($R_{w,R} = R_{w,P}$ - 2 dB)
P: Prüfwert; R: Rechenwert

Besonderheiten: Durch den Einsatz von einem Schallschutzisolierglas (gemäß entsprechendem aluplast-Prüfzeugnis) kann ein $R_{w,P}$ von 45 dB ($R_{w,R} = R_{w,P}$ - 2 dB) erreicht werden.
P: Prüfwert; R: Rechenwert

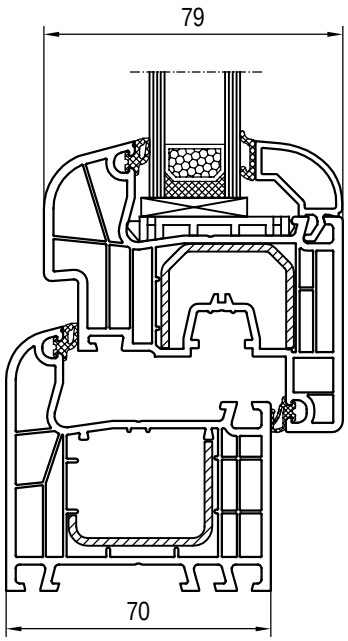
Wärmeschutz: U_w -Wert Fenster (DIN EN ISO 10077-1) laut Tabelle.

Referenzgröße: 1,23m x 1,48m [1)]



Maßstab: 1:50

Systemgeber: aluplast GmbH, Auf der Breit 2, D-76227 Karlsruhe



Zugrundeliegende Profil-Kombination für U_f
Maßstab: 1:2

Anmerkungen:
1) Fenster mit einem Wärmedurchgangskoeffizienten der Verglasung U_g < 1,9 W/m²K dürfen immer mit dem Standardmaß 1,23m x 1,48m angegeben werden (DIN EN 14351-1: Tabelle E.1, Fußnote "d").
2) U_w -Werte < 1,0 W/m²K werden gemäß DIN EN ISO 10077 mit 2 Nachkommastellen ausgewiesen.
3) PHT: U_f -Wert <= 1,2 W/m²K und U_w -Wert <= 0,80 W/m²K: Fenster = hochwärmegedämmt / passivhaus-tauglich. (soweit vorhanden: siehe Kennzeichnung "PHT" in der Tabelle)
4) Mit Zusatzmaßnahmen ist eine größere Verglasung möglich

U_f Rahmen	U_g Verglasung	U_w Fenster		
Auf Basis der zugrundeliegenden Profil-Kombination und Ausstattung (Materialien)	mit Standarddichtungen ohne Glasfalzverbreiterung **10-41mm** [4)]	Isolierglas-Randverbund Standard (z.B. Alu) **Ψ (Psi) 0,07** [W/mK]	Isolierglas-Randverbund Warme Kante **Ψ (Psi) 0,04** [W/mK]	Isolierglas-Randverbund Warme Kante **Ψ (Psi) 0,032** [W/mK]
	DIN EN 673 **ΔT (15°C)**	DIN EN ISO 10077-1 -> CE-Kennzeichnung	DIN EN ISO 10077-1 -> CE-Kennzeichnung	DIN EN ISO 10077-1 -> CE-Kennzeichnung
[W/m²K]	[W/m²K]	2) 3) [W/m²K]	2) 3) [W/m²K]	2) 3) [W/m²K]
1,3	1,4	1,5 (1,54) ○	1,5 (1,47) ○	1,4 (1,45) ○
	1,3	1,5 (1,47) ○	1,4 (1,40) ○	1,4 (1,38) ○
	1,2	1,4 (1,40) ○	1,3 (1,33) ○	1,3 (1,31) ○
	1,1	1,3 (1,34) ○	1,3 (1,26) ○	1,2 (1,24) ○
	1,0	1,3 (1,27) ○	1,2 (1,20) ○	1,2 (1,18) ○
	0,9	1,2 (1,20) ○	1,1 (1,13) ○	1,1 (1,11) ○
	0,8	1,1 (1,13) ○	1,1 (1,06) ○	1,0 (1,04) ○
	0,7	1,1 (1,07) ○	0,99 ○	0,97 ○
	0,6	1,0 (1,00) ○	0,92 ○	0,90 ○
	0,5	0,93 ○	0,86 ○	0,84 ○
	0,4	0,86 ○	0,79 ○	0,77 ○

○ Der U_w-Wert Fenster auf Basis vom U_f -Wert Rahmen und dem gewählten U_g-Wert Verglasung kann in der Tabelle angekreuzt werden

Produktdatenblatt
Standard-Kunststoff-Fenster
aluplast IDEAL 4000 ®

5-6-Kammer
halbflächenversetzt (hfv.)
Classic-line
Scheibenverklebung

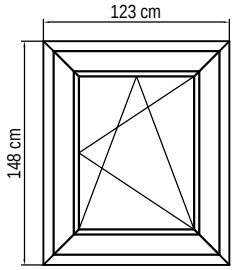
Materialien: Wärmeschutz-Isolierglas (U_g laut Tabelle)
PVC-hart (ISO 1163 - PVC-U, EDLP, 082-50-T28) (U_f laut Tabelle)
Mehrkammer-Profile mit Stahlaussteifung im Rahmen und Flügel zur Scheibenverklebung (bonding inside)

Eigenschaften:
Luftdurchlässigkeit: bis Klasse: 4 (DIN EN 12207)
Schlagregendichtheit: bis Klasse: 9A (DIN EN 12208)
Widerstandsfähigkeit gegen Windlast: bis Klasse: C5 (DIN EN 12210)
Schallschutz (bei Glasdicken 2x 4mm oder 3x 4mm) entspricht Isolierglaseinheit R_w = 30 dB. Daraus resultiert nach EN 14351-1:
$R_{w,P}$ = 33 dB ($R_{w,R} = R_{w,P}$ - 2 dB)
P: Prüfwert; R: Rechenwert

Besonderheiten: Durch den Einsatz von einem Schallschutzisolierglas (gemäß entsprechendem aluplast-Prüfzeugnis) kann ein $R_{w,P}$ von 45 dB ($R_{w,R} = R_{w,P}$ - 2 dB) erreicht werden.
P: Prüfwert; R: Rechenwert

Wärmeschutz: U_w -Wert Fenster (DIN EN ISO 10077-1) laut Tabelle.

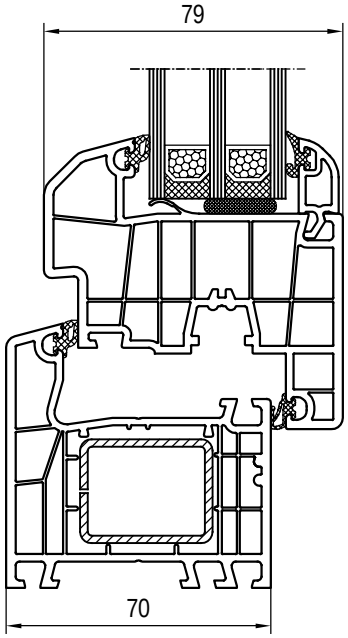
Referenzgröße: 1,23m x 1,48m [1)]



Maßstab: 1:50

Systemgeber: aluplast GmbH, Auf der Breit 2, D-76227 Karlsruhe

Anmerkungen:
1) Fenster mit einem Wärmedurchgangskoeffizienten der Verglasung U_g < 1,9 W/m²K dürfen immer mit dem Standardmaß 1,23m x 1,48m angegeben werden (DIN EN 14351-1: Tabelle E.1, Fußnote "d").
2) U_w -Werte < 1,0 W/m²K werden gemäß DIN EN ISO 10077 mit 2 Nachkommastellen ausgewiesen.
3) PHT: U_f -Wert <= 1,2 W/m²K und U_w -Wert <= 0,80 W/m²K: Fenster = hochwärmegedämmt / passivhaus-tauglich. (soweit vorhanden: siehe Kennzeichnung "PHT" in der Tabelle)
4) Mit Zusatzmaßnahmen ist eine größere Verglasung möglich



Zugrundeliegende Profil-Kombination für U_f
Maßstab: 1:2

U_f Rahmen Auf Basis der zugrundeliegenden Profil-Kombination und Ausstattung (Materialien) [W/m²K]	U_g Verglasung mit Standarddichtungen ohne Glasfalzverbreiterung 10-41mm [4)] DIN EN 673 ΔT (15°C) [W/m²K]	U_w Fenster Isolierglas-Randverbund Standard (z.B. Alu) Ψ (Psi) 0,07 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,04 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,032 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]
1,2	1,4	1,5 (1,51) ○	1,4 (1,43) ○	1,4 (1,41) ○
	1,3	1,4 (1,44) ○	1,4 (1,37) ○	1,3 (1,35) ○
	1,2	1,4 (1,37) ○	1,3 (1,30) ○	1,3 (1,28) ○
	1,1	1,3 (1,30) ○	1,2 (1,23) ○	1,2 (1,21) ○
	1,0	1,2 (1,24) ○	1,2 (1,16) ○	1,1 (1,14) ○
	0,9	1,2 (1,17) ○	1,1 (1,10) ○	1,1 (1,08) ○
	0,8	1,1 (1,10) ○	1,0 (1,03) ○	1,0 (1,01) ○
	0,7	1,0 (1,03) ○	0,96 ○	0,94 ○
	0,6	0,97 ○	0,89 ○	0,87 ○
	0,5	0,90 ○	0,82 ○	0,80 ○
	0,4	0,83 ○	PHT 0,76 ○	PHT 0,74 ○

○ Der U_w-Wert Fenster auf Basis vom U_f -Wert Rahmen und dem gewählten U_g-Wert Verglasung kann in der Tabelle angekreuzt werden

Produktdatenblatt
Standard-Kunststoff-Fenster
aluplast IDEAL 4000 ®
energeto® 4000
6-Kammer
halbflächenversetzt (hfv.)
Classic-line
Scheibenverklebung
faserverstärkter Rahmen

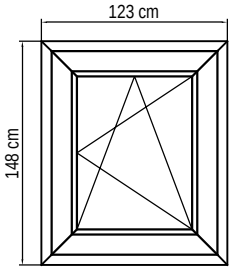
Materialien: Wärmeschutz-Isolierglas (U_g laut Tabelle)
PVC-hart (ISO 1163 - PVC-U, EDLP, 082-50-T28) (U_f laut Tabelle)
Mehrkammer-Profile ohne Stahlaussteifung
Rahmen faserverstärkt (powerdur inside)
und Flügel zur Scheibenverklebung (bonding inside)

Eigenschaften:
Luftdurchlässigkeit: bis Klasse: 4 (DIN EN 12207)
Schlagregendichtheit: bis Klasse: 9A (DIN EN 12208)
Widerstandsfähigkeit gegen Windlast: bis Klasse: C5 (DIN EN 12210)
Schallschutz (bei Glasdicken 2x 4mm oder 3x 4mm) entspricht Isolierglaseinheit R_w = 30 dB. Daraus resultiert nach EN 14351-1:
$R_{w,P}$ = 33 dB ($R_{w,R} = R_{w,P}$ - 2 dB)
P: Prüfwert; R: Rechenwert

Besonderheiten: Durch den Einsatz von einem Schallschutzisolierglas (gemäß entsprechendem aluplast-Prüfzeugnis) kann ein $R_{w,P}$ von 45 dB ($R_{w,R} = R_{w,P}$ - 2 dB) erreicht werden.
P: Prüfwert; R: Rechenwert

Wärmeschutz: U_w -Wert Fenster (DIN EN ISO 10077-1) laut Tabelle.

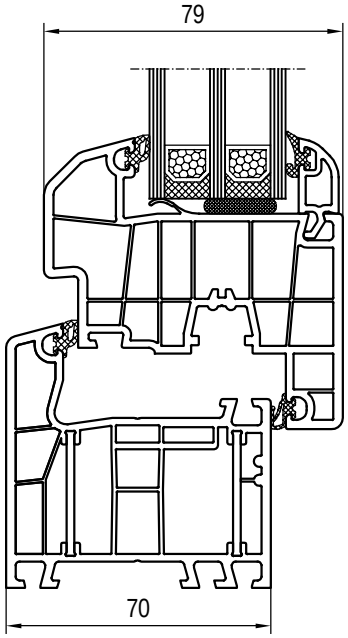
Referenzgröße: 1,23m x 1,48m [1)]



Maßstab: 1:50

Systemgeber: aluplast GmbH, Auf der Breit 2, D-76227 Karlsruhe

Anmerkungen:
1) Fenster mit einem Wärmedurchgangskoeffizienten der Verglasung U_g < 1,9 W/m²K dürfen immer mit dem Standardmaß 1,23m x 1,48m angegeben werden (DIN EN 14351-1: Tabelle E.1, Fußnote "d").
2) U_w -Werte < 1,0 W/m²K werden gemäß DIN EN ISO 10077 mit 2 Nachkommastellen ausgewiesen.
3) PHT: U_f -Wert <= 1,2 W/m²K und U_w -Wert <= 0,80 W/m²K: Fenster = hochwärmegedämmt / passivhaus-tauglich. (soweit vorhanden: siehe Kennzeichnung "PHT" in der Tabelle)
4) Mit Zusatzmaßnahmen ist eine größere Verglasung möglich



Zugrundeliegende Profil-Kombination für U_f
Maßstab: 1:2

U_f Rahmen Auf Basis der zugrundeliegenden Profil-Kombination und Ausstattung (Materialien) [W/m²K]	U_g Verglasung mit Standarddichtungen ohne Glasfalzverbreiterung 10-41mm [4)] DIN EN 673 ΔT (15°C) [W/m²K]	U_w Fenster Isolierglas-Randverbund Standard (z.B. Alu) Ψ (Psi) 0,07 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]		Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,04 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]		Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,032 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]	
1,1	1,4	1,5 (1,47)	○	1,4 (1,40)	○	1,4 (1,38)	○
	1,3	1,4 (1,41)	○	1,3 (1,33)	○	1,3 (1,31)	○
	1,2	1,3 (1,34)	○	1,3 (1,27)	○	1,2 (1,25)	○
	1,1	1,3 (1,27)	○	1,2 (1,20)	○	1,2 (1,18)	○
	1,0	1,2 (1,20)	○	1,1 (1,13)	○	1,1 (1,11)	○
	0,9	1,1 (1,14)	○	1,1 (1,06)	○	1,0 (1,04)	○
	0,8	1,1 (1,07)	○	1,0 (1,0)	○	0,98	○
	0,7	1,0 (1,0)	○	0,93	○	0,91	○
	0,6	0,93	○	0,86	○	0,84	○
	0,5	0,87	○	PHT 0,79	○	PHT 0,77	○
	0,4	PHT 0,80	○	PHT 0,72	○	PHT 0,70	○

○ Der U_w-Wert Fenster auf Basis vom U_f -Wert Rahmen und dem gewählten U_g-Wert Verglasung kann in der Tabelle angekreuzt werden

Produktdatenblatt
Standard-Kunststoff-Fenster
aluplast IDEAL 4000 ®

5-6-Kammer
flächenversetzt (fv.)
Classic-line
Scheibenverklebung

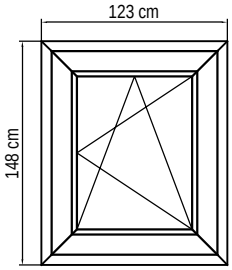
Materialien: Wärmeschutz-Isolierglas (U_g laut Tabelle)
PVC-hart (ISO 1163 - PVC-U, EDLP, 082-50-T28) (U_f laut Tabelle)
Mehrkammer-Profile mit Stahlaussteifung im Rahmen und Flügel zur Scheibenverklebung (bonding inside)

Eigenschaften:
Luftdurchlässigkeit: bis Klasse: 4 (DIN EN 12207)
Schlagregendichtheit: bis Klasse: 9A (DIN EN 12208)
Widerstandsfähigkeit gegen Windlast: bis Klasse: C5 (DIN EN 12210)
Schallschutz (bei Glasdicken 2x 4mm oder 3x 4mm) entspricht Isolierglaseinheit R_w = 30 dB. Daraus resultiert nach EN 14351-1:
$R_{w,P}$ = 33 dB ($R_{w,R} = R_{w,P}$ - 2 dB)
P: Prüfwert; R: Rechenwert

Besonderheiten: Durch den Einsatz von einem Schallschutzisolierglas (gemäß entsprechendem aluplast-Prüfzeugnis) kann ein $R_{w,P}$ von 45 dB ($R_{w,R} = R_{w,P}$ - 2 dB) erreicht werden.
P: Prüfwert; R: Rechenwert

Wärmeschutz: U_w -Wert Fenster (DIN EN ISO 10077-1) laut Tabelle.

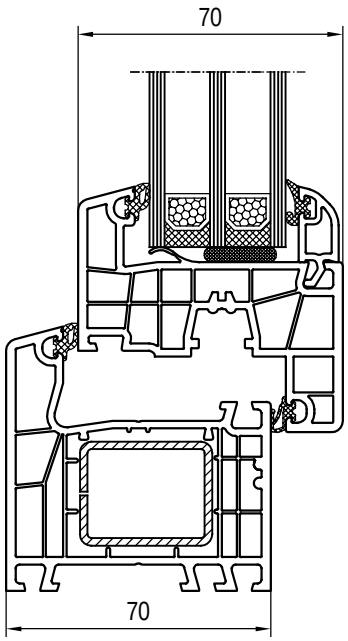
Referenzgröße: 1,23m x 1,48m [1)]



Maßstab: 1:50

Systemgeber: aluplast GmbH, Auf der Breit 2, D-76227 Karlsruhe

Anmerkungen:
1) Fenster mit einem Wärmedurchgangskoeffizienten der Verglasung U_g < 1,9 W/m²K dürfen immer mit dem Standardmaß 1,23m x 1,48m angegeben werden (DIN EN 14351-1: Tabelle E.1, Fußnote "d").
2) U_w -Werte < 1,0 W/m²K werden gemäß DIN EN ISO 10077 mit 2 Nachkommastellen ausgewiesen.
3) PHT: U_f -Wert <= 1,2 W/m²K und U_w -Wert <= 0,80 W/m²K: Fenster = hochwärmegedämmt / passivhaus-tauglich. (soweit vorhanden: siehe Kennzeichnung "PHT" in der Tabelle)
4) Mit Zusatzmaßnahmen ist eine größere Verglasung möglich



Zugrundeliegende Profil-Kombination für U_f
Maßstab: 1:2

U_f Rahmen Auf Basis der zugrundeliegenden Profil-Kombination und Ausstattung (Materialien) [W/m²K]	U_g Verglasung mit Standarddichtungen ohne Glasfalzverbreiterung 10-41mm [4)] DIN EN 673 ΔT (15°C) [W/m²K]	U_w Fenster Isolierglas-Randverbund Standard (z.B. Alu) Ψ (Psi) 0,07 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,04 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,032 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]
1,2	1,4	1,5 (1,52) ○	1,4 (1,44) ○	1,4 (1,42) ○
	1,3	1,5 (1,45) ○	1,4 (1,37) ○	1,4 (1,35) ○
	1,2	1,4 (1,38) ○	1,3 (1,30) ○	1,3 (1,28) ○
	1,1	1,3 (1,30) ○	1,2 (1,23) ○	1,2 (1,21) ○
	1,0	1,2 (1,23) ○	1,2 (1,16) ○	1,1 (1,14) ○
	0,9	1,2 (1,16) ○	1,1 (1,09) ○	1,1 (1,07) ○
	0,8	1,1 (1,09) ○	1,0 (1,02) ○	1,0 (1,00) ○
	0,7	1,0 (1,02) ○	0,95 ○	0,93 ○
	0,6	0,95 ○	0,88 ○	0,86 ○
	0,5	0,88 ○	0,81 ○	PHT 0,79 ○
	0,4	0,81 ○	PHT 0,74 ○	PHT 0,71 ○

○ Der U_w-Wert Fenster auf Basis vom U_f -Wert Rahmen und dem gewählten U_g-Wert Verglasung kann in der Tabelle angekreuzt werden

Produktdatenblatt
Standard-Kunststoff-Fenster
aluplast IDEAL 4000 ®
energeto® 4000
6-Kammer
flächenversetzt (fv.)
Classic-line
Scheibenverklebung
faserverstärkter Rahmen

Materialien: Wärmeschutz-Isolierglas (U_g laut Tabelle)
PVC-hart (ISO 1163 - PVC-U, EDLP, 082-50-T28) (U_f laut Tabelle)
Mehrkammer-Profile ohne Stahlaussteifung
Rahmen faserverstärkt (powerdur inside)
und Flügel zur Scheibenverklebung (bonding inside)

Eigenschaften:

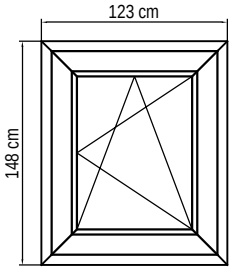
Luftdurchlässigkeit:	bis Klasse: 4	(DIN EN 12207)
Schlagregendichtheit:	bis Klasse: 9A	(DIN EN 12208)
Widerstandsfähigkeit gegen Windlast:	bis Klasse: C5	(DIN EN 12210)

Schallschutz (bei Glasdicken 2x 4mm oder 3x 4mm) entspricht Isolierglaseinheit R_w = 30 dB. Daraus resultiert nach EN 14351-1:
$R_{w,P}$ = 33 dB ($R_{w,R} = R_{w,P}$ - 2 dB)
P: Prüfwert; R: Rechenwert

Besonderheiten: Durch den Einsatz von einem Schallschutzisolierglas (gemäß entsprechendem aluplast-Prüfzeugnis) kann ein $R_{w,P}$ von 45 dB ($R_{w,R} = R_{w,P}$ - 2 dB) erreicht werden.
P: Prüfwert; R: Rechenwert

Wärmeschutz: U_w -Wert Fenster (DIN EN ISO 10077-1) laut Tabelle.

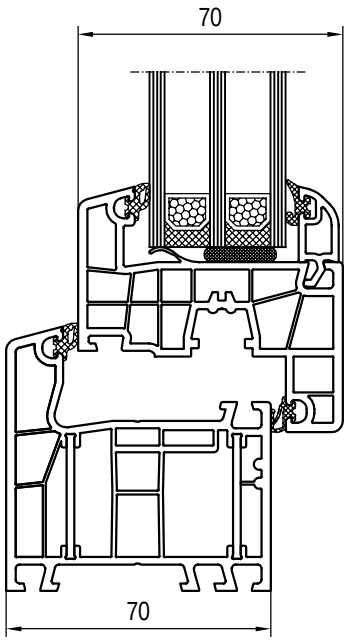
Referenzgröße: 1,23m x 1,48m [1)]



Maßstab: 1:50

Systemgeber: aluplast GmbH, Auf der Breit 2, D-76227 Karlsruhe

Anmerkungen:
1) Fenster mit einem Wärmedurchgangskoeffizienten der Verglasung U_g < 1,9 W/m²K dürfen immer mit dem Standardmaß 1,23m x 1,48m angegeben werden (DIN EN 14351-1: Tabelle E.1, Fußnote "d").
2) U_w -Werte < 1,0 W/m²K werden gemäß DIN EN ISO 10077 mit 2 Nachkommastellen ausgewiesen.
3) PHT: U_f -Wert <= 1,2 W/m²K und U_w -Wert <= 0,80 W/m²K: Fenster = hochwärmegedämmt / passivhaus-tauglich. (soweit vorhanden: siehe Kennzeichnung "PHT" in der Tabelle)
4) Mit Zusatzmaßnahmen ist eine größere Verglasung möglich



Zugrundeliegende Profil-Kombination für U_f
Maßstab: 1:2

U_f Rahmen	U_g Verglasung	U_w Fenster		
Auf Basis der zugrundeliegenden Profil-Kombination und Ausstattung (Materialien)	mit Standarddichtungen ohne Glasfalzverbreiterung 10-41mm [4)]	Isolierglas-Randverbund Standard (z.B. Alu) Ψ (Psi) 0,07 [W/mK]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,04 [W/mK]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,032 [W/mK]
	DIN EN 673 ΔT (15°C)	DIN EN ISO 10077-1 -> CE-Kennzeichnung	DIN EN ISO 10077-1 -> CE-Kennzeichnung	DIN EN ISO 10077-1 -> CE-Kennzeichnung
[W/m²K]	[W/m²K]	2) 3) [W/m²K]	2) 3) [W/m²K]	2) 3) [W/m²K]
1,1	1,4	1,5 (1,49) ○	1,4 (1,41) ○	1,4 (1,39) ○
	1,3	1,4 (1,42) ○	1,3 (1,34) ○	1,4 (1,32) ○
	1,2	1,3 (1,35) ○	1,3 (1,27) ○	1,3 (1,25) ○
	1,1	1,3 (1,28) ○	1,2 (1,20) ○	1,2 (1,18) ○
	1,0	1,2 (1,20) ○	1,1 (1,13) ○	1,1 (1,11) ○
	0,9	1,1 (1,13) ○	1,1 (1,06) ○	1,0 (1,04) ○
	0,8	1,1 (1,06) ○	0,99 ○	0,97 ○
	0,7	0,99 ○	0,92 ○	0,90 ○
	0,6	0,92 ○	0,85 ○	0,83 ○
	0,5	0,85 ○	PHT 0,78 ○	PHT 0,76 ○
	0,4	PHT 0,78 ○	PHT 0,71 ○	PHT 0,69 ○

○ Der U_w-Wert Fenster auf Basis vom U_f -Wert Rahmen und dem gewählten U_g-Wert Verglasung kann in der Tabelle angekreuzt werden

Produktdatenblatt
Standard-Kunststoff-Fenster
aluplast IDEAL 4000 ®
energeto® 4000
5-6-Kammer
flächenversetzt (fv.)
Classic-line
Scheibenverklebung
faserverstärkt

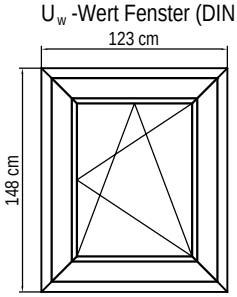
Materialien: Wärmeschutz-Isolierglas (U_g laut Tabelle)
PVC-hart (ISO 1163 - PVC-U, EDLP, 082-50-T28) (U_f laut Tabelle)
Mehrkammer-Profile ohne Stahlaussteifung
faserverstärkt (powerdur inside),
und Flügel zur Scheibenverklebung (bonding inside)

Eigenschaften:
Luftdurchlässigkeit: bis Klasse: 4 (DIN EN 12207)
Schlagregendichtheit: bis Klasse: 9A (DIN EN 12208)
Widerstandsfähigkeit gegen Windlast: bis Klasse: C5 (DIN EN 12210)
Schallschutz (bei Glasdicken 2x 4mm oder 3x 4mm) entspricht Isolierglaseinheit R_w = 30 dB. Daraus resultiert nach EN 14351-1:
$R_{w,P}$ = 33 dB ($R_{w,R} = R_{w,P}$ - 2 dB)
P: Prüfwert; R: Rechenwert

Besonderheiten: Durch den Einsatz von einem Schallschutzisolierglas (gemäß entsprechendem aluplast-Prüfzeugnis) kann ein $R_{w,P}$ von 45 dB ($R_{w,R} = R_{w,P}$ - 2 dB) erreicht werden.
P: Prüfwert; R: Rechenwert

Wärmeschutz: U_w -Wert Fenster (DIN EN ISO 10077-1) laut Tabelle.

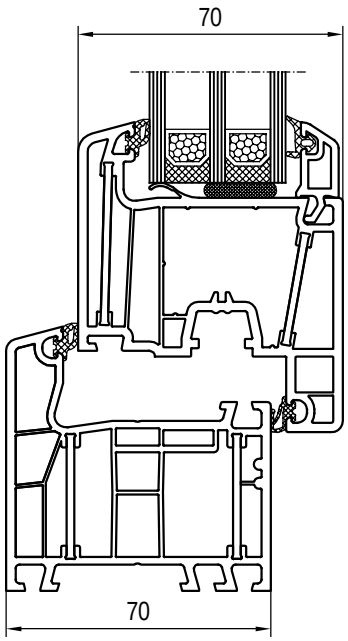
Referenzgröße: 1,23m x 1,48m [1)]



Maßstab: 1:50

Systemgeber: aluplast GmbH, Auf der Breit 2, D-76227 Karlsruhe

Anmerkungen:
1) Fenster mit einem Wärmedurchgangskoeffizienten der Verglasung U_g < 1,9 W/m²K dürfen immer mit dem Standardmaß 1,23m x 1,48m angegeben werden (DIN EN 14351-1: Tabelle E.1, Fußnote "d").
2) U_w -Werte < 1,0 W/m²K werden gemäß DIN EN ISO 10077 mit 2 Nachkommastellen ausgewiesen.
3) PHT: U_f -Wert <= 1,2 W/m²K und U_w -Wert <= 0,80 W/m²K: Fenster = hochwärmegedämmt / passivhaus-tauglich. (soweit vorhanden: siehe Kennzeichnung "PHT" in der Tabelle)
4) Mit Zusatzmaßnahmen ist eine größere Verglasung möglich



Zugrundeliegende Profil-Kombination für U_f
Maßstab: 1:2

U_f Rahmen Auf Basis der zugrundeliegenden Profil-Kombination und Ausstattung (Materialien) [W/m²K]	U_g Verglasung mit Standarddichtungen ohne Glasfalzverbreiterung 10-41mm [4)] DIN EN 673 ΔT (15°C) [W/m²K]	U_w Fenster Isolierglas-Randverbund Standard (z.B. Alu) Ψ (Psi) 0,07 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,04 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,032 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]
1,1	1,4	1,5 (1,47) ○	1,4 (1,40) ○	1,4 (1,38) ○
	1,3	1,4 (1,40) ○	1,3 (1,33) ○	1,3 (1,31) ○
	1,2	1,3 (1,34) ○	1,3 (1,26) ○	1,2 (1,24) ○
	1,1	1,3 (1,27) ○	1,2 (1,20) ○	1,2 (1,18) ○
	1,0	1,2 (1,20) ○	1,1 (1,13) ○	1,1 (1,11) ○
	0,9	1,1 (1,14) ○	1,1 (1,06) ○	1,0 (1,04) ○
	0,8	1,1 (1,07) ○	1,0 (1,0) ○	0,98 ○
	0,7	1,0 (1,0) ○	0,93 ○	0,91 ○
	0,6	0,94 ○	0,87 ○	0,85 ○
	0,5	0,87 ○	PHT 0,80 ○	PHT 0,78 ○
	0,4	0,81 ○	PHT 0,73 ○	PHT 0,71 ○

○ Der U_w-Wert Fenster auf Basis vom U_f -Wert Rahmen und dem gewählten U_g-Wert Verglasung kann in der Tabelle angekreuzt werden

Produktdatenblatt
Standard-Kunststoff-Fenster
aluplast IDEAL 4000 ®
energeto® 4000
5-6-Kammer
flächenversetzt (fv.)
Classic-line
Scheibenverklebung
faserverstärkt
ausgeschäumt

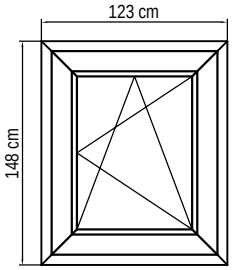
Materialien: Wärmeschutz-Isolierglas (U_g laut Tabelle)
PVC-hart (ISO 1163 - PVC-U, EDLP, 082-50-T28) (U_f laut Tabelle)
Mehrkammer-Profile ohne Stahlaussteifung
faserverstärkt (powerdur inside), ausgeschäumt (foam inside)
und Flügel zur Scheibenverklebung (bonding inside)

Eigenschaften:
Luftdurchlässigkeit: bis Klasse: 4 (DIN EN 12207)
Schlagregendichtheit: bis Klasse: 9A (DIN EN 12208)
Widerstandsfähigkeit gegen Windlast: bis Klasse: C5 (DIN EN 12210)
Schallschutz (bei Glasdicken 2x 4mm oder 3x 4mm) entspricht
Isolierglaseinheit R_w = 30 dB. Daraus resultiert nach EN 14351-1:
$R_{w,P}$ = 33 dB ($R_{w,R} = R_{w,P}$ - 2 dB)
P: Prüfwert; R: Rechenwert

Besonderheiten: Durch den Einsatz von einem Schallschutzisolierglas (gemäß entsprechendem aluplast-Prüfzeugnis) kann ein $R_{w,P}$ von 45 dB ($R_{w,R} = R_{w,P}$ - 2 dB) erreicht werden.
P: Prüfwert; R: Rechenwert

Wärmeschutz: U_w -Wert Fenster (DIN EN ISO 10077-1) laut Tabelle.

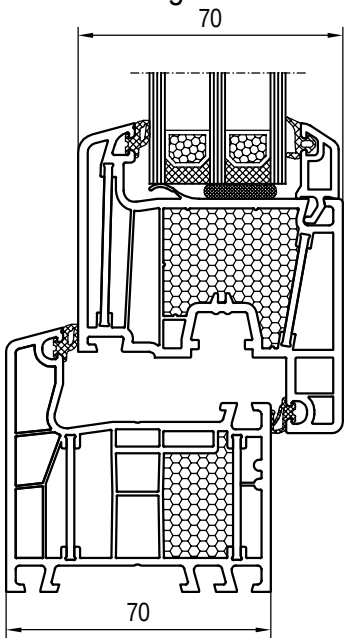
Referenzgröße: 1,23m x 1,48m [1)]



Maßstab: 1:50

Systemgeber: aluplast GmbH, Auf der Breit 2, D-76227 Karlsruhe

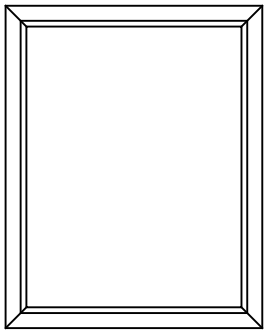
Anmerkungen:
1) Fenster mit einem Wärmedurchgangskoeffizienten der Verglasung U_g < 1,9 W/m²K dürfen immer mit dem Standardmaß 1,23m x 1,48m angegeben werden (DIN EN 14351-1: Tabelle E.1, Fußnote "d").
2) U_w -Werte < 1,0 W/m²K werden gemäß DIN EN ISO 10077 mit 2 Nachkommastellen ausgewiesen.
3) PHT: U_f -Wert <= 1,2 W/m²K und U_w -Wert <= 0,80 W/m²K: Fenster = hochwärmegedämmt / passivhaus-tauglich. (soweit vorhanden: siehe Kennzeichnung "PHT" in der Tabelle)
4) Mit Zusatzmaßnahmen ist eine größere Verglasung möglich



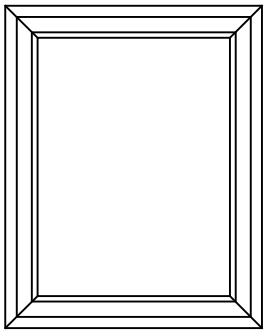
Zugrundeliegende Profil-Kombination für U_f
Maßstab: 1:2

U_f Rahmen Auf Basis der zugrundeliegenden Profil-Kombination und Ausstattung (Materialien) [W/m²K]	U_g Verglasung mit Standarddichtungen ohne Glasfalzverbreiterung 10-41mm [4)] DIN EN 673 ΔT (15°C) [W/m²K]	U_w Fenster Isolierglas-Randverbund Standard (z.B. Alu) Ψ (Psi) 0,07 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,04 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]	Isolierglas-Randverbund Warme Kante Ψ (Psi) 0,032 [W/mK] DIN EN ISO 10077-1 -> CE-Kennzeichnung [2) 3)] [W/m²K]
0,96	1,4	1,4 (1,43) ○	1,4 (1,36) ○	1,3 (1,34) ○
	1,3	1,4 (1,36) ○	1,3 (1,29) ○	1,3 (1,27) ○
	1,2	1,3 (1,29) ○	1,2 (1,22) ○	1,2 (1,20) ○
	1,1	1,2 (1,22) ○	1,2 (1,15) ○	1,1 (1,13) ○
	1,0	1,2 (1,16) ○	1,1 (1,09) ○	1,1 (1,07) ○
	0,9	1,1 (1,09) ○	1,0 (1,02) ○	1,0 (1,00) ○
	0,8	1,0 (1,02) ○	0,95 ○	0,93 ○
	0,7	0,96 ○	0,88 ○	0,86 ○
	0,6	0,89 ○	0,81 ○	PHT 0,79 ○
	0,5	0,82 ○	PHT 0,75 ○	PHT 0,73 ○
	0,4	PHT 0,75 ○	PHT 0,68 ○	PHT 0,66 ○

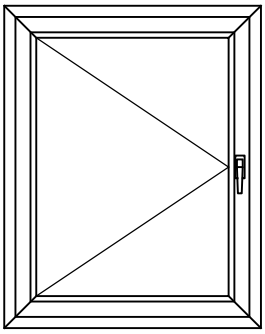
○ Der U_w-Wert Fenster auf Basis vom U_f -Wert Rahmen und dem gewählten U_g-Wert Verglasung kann in der Tabelle angekreuzt werden



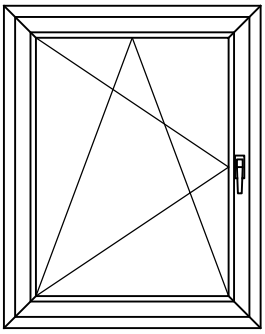
Festverglasung im Rahmen



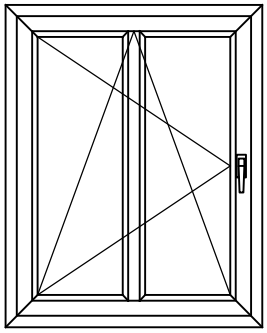
Festverglasung im Flügel



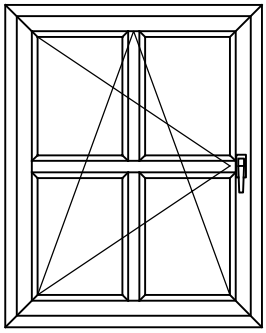
Dreh-Fenster



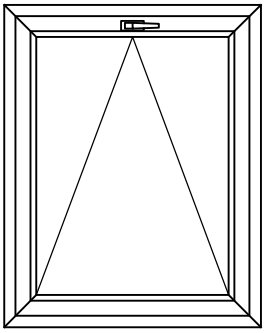
Dreh-Kipp-Fenster



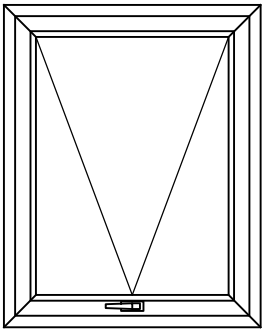
Dreh-Kipp-Fenster mit Flügelsprosse



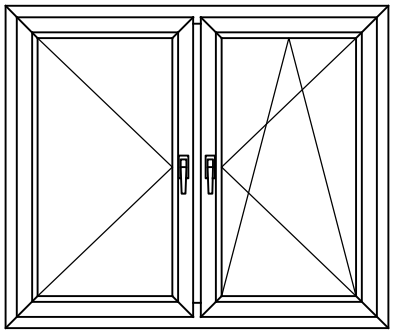
Dreh-Kipp-Fenster mit Kreuzsprosse



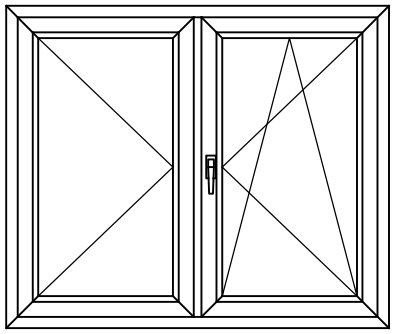
Kipp-Fenster



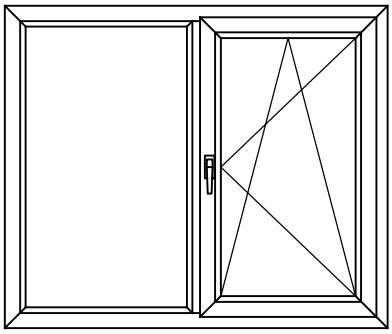
Klapp-Fenster



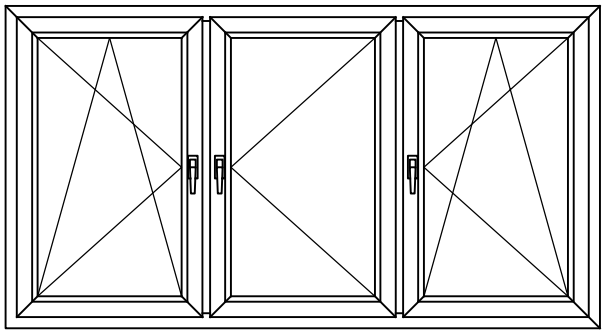
zweiflügelig
Dreh- / Dreh-Kipp-Fenster



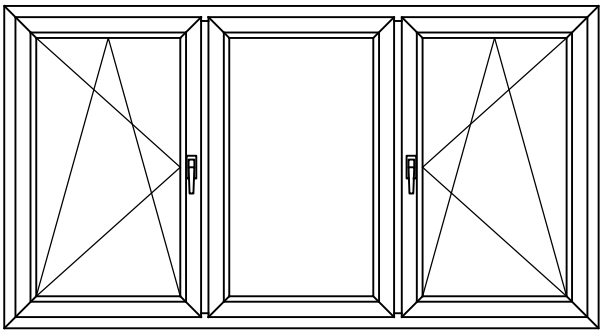
zweiflügeliges Stulpfenster
Dreh- / Dreh-Kipp-Fenster



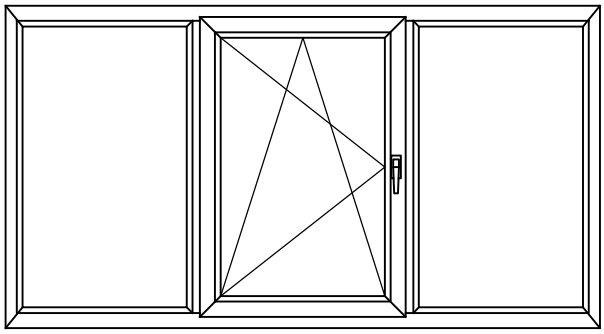
Fensterelement Festverglasung im Rahmen / Dreh-Kipp-Fenster



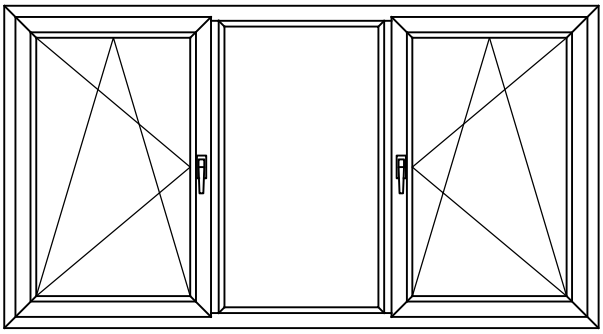
dreiflügelig
Dreh-Kipp- / Dreh- / Dreh-Kipp-Fenster



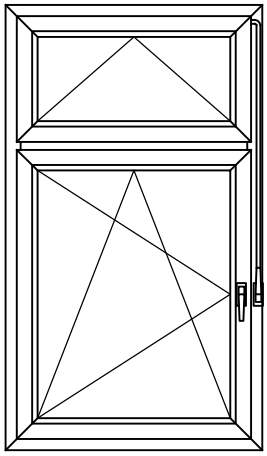
dreiflügeliges Fenster
Dreh-Kipp- / Festverglasung im Flügel / Dreh-Kipp



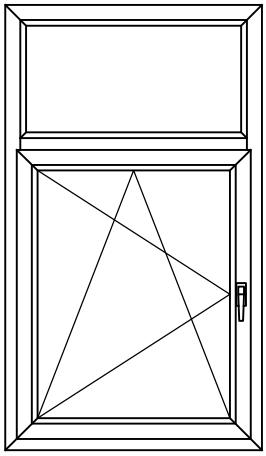
dreiteiliges Fenster Festverglasung im Rahmen
Dreh-Kipp und Festverglasung im Rahmen



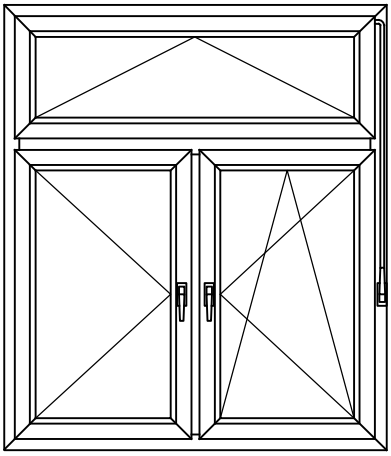
dreiteiliges Fenster Dreh-Kipp Festverglasung
im Rahmen und Dreh-Kipp



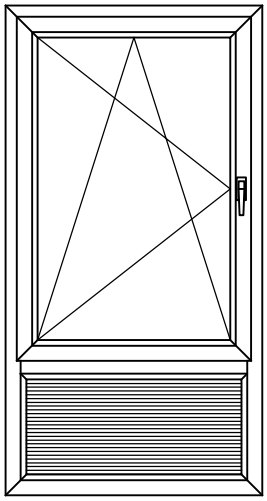
Dreh-Kipp-Fenster mit
Kipp-Oberlicht



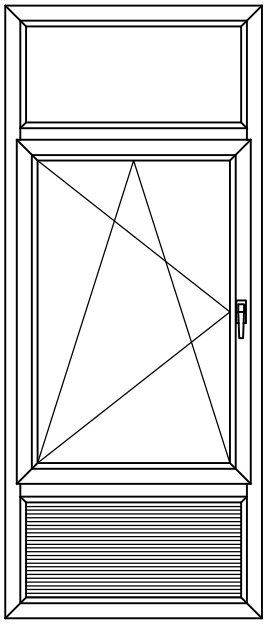
Dreh-Kipp-Fenster mit
festverglastem Oberlicht



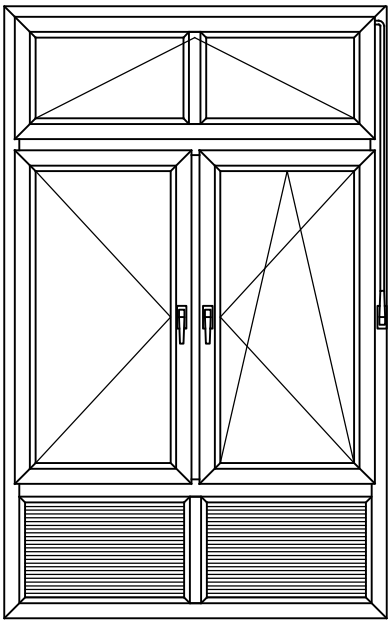
zweiflügeliges Fenster Dreh /
Dreh-Kipp mit Kipp-Oberlicht



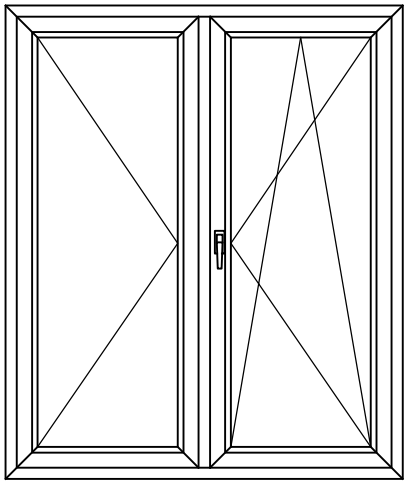
Dreh-Kipp-Fenster mit
Brüstung



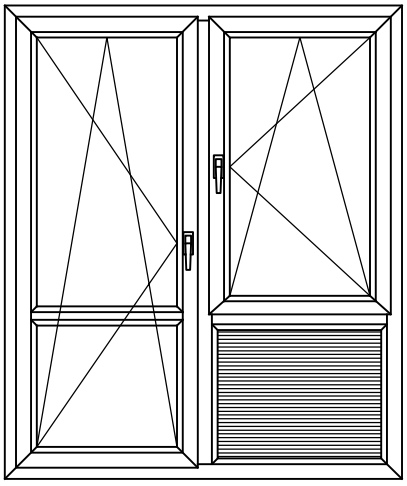
Dreh-Kipp-Fenster mit
Brüstung und
festverglastem Oberlicht



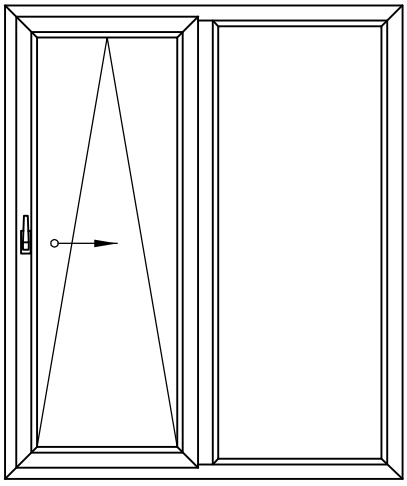
zweiflügeliges Fenster Dreh /
Dreh-Kipp mit Kipp-Oberlicht,
Brüstung und Sprosse



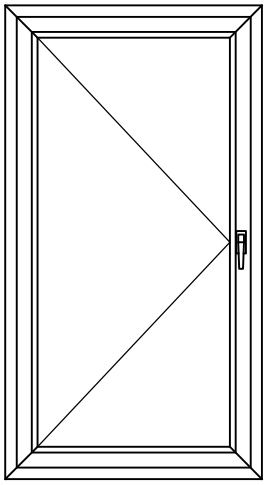
zweiflügelige Stulptür
Dreh- / Dreh-Kipp-Tür



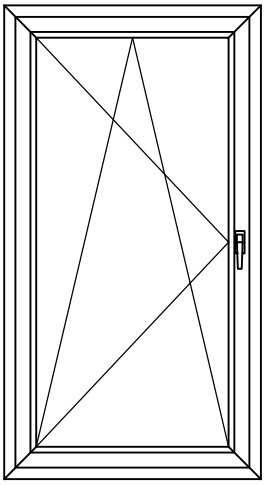
Dreh-Kipp-Tür
mit Dreh-Kipp-Fenster und Brüstung



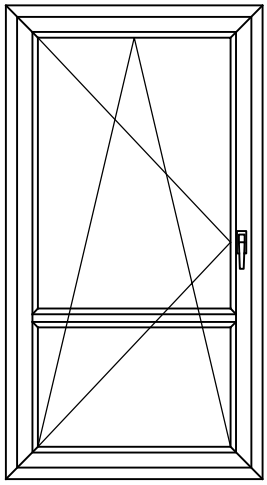
Parallel-Hebe-Schiebe-Kipp-Tür (PSK)
mit festverglastem Seitenteil



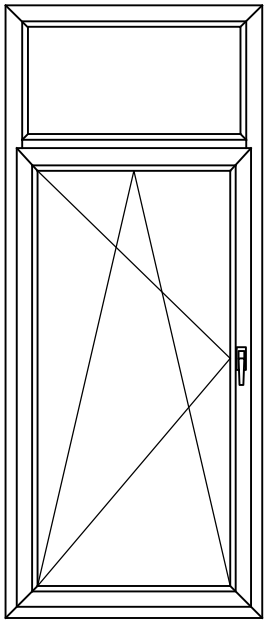
Dreh-Tür



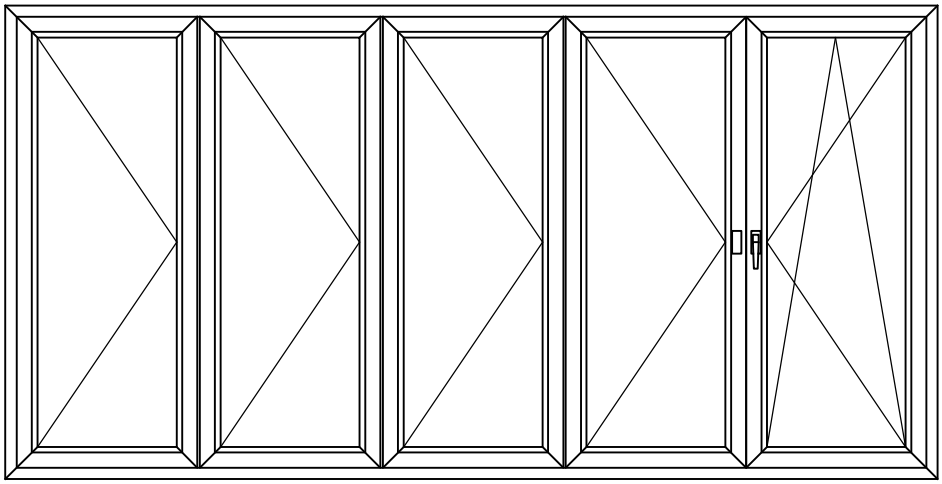
Dreh-Kipp-Tür



Dreh-Kipp-Tür
mit Flügelsprosse

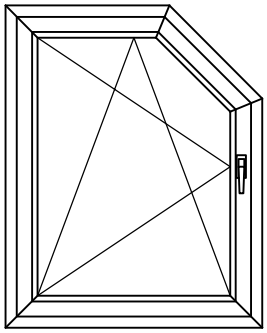


Dreh-Kipp-Tür mit
festverglastem Oberlicht

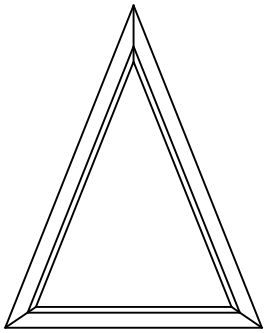


vierflügelige Falt-Schiebe-Tür: drei Faltflügel und ein Dreh-Kipp-Flügel
(-> Beschlagsabhängig: Anschlagdichtungssysteme)

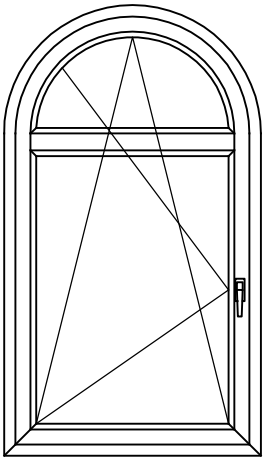
Allgemeines
Typen-Übersicht Fenster



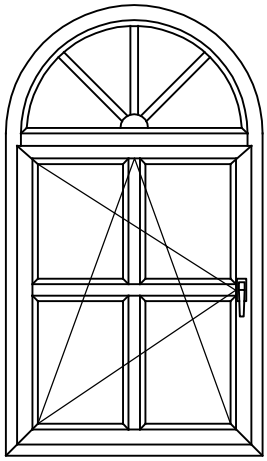
Dreh-Kipp-Fenster
mit Schräge



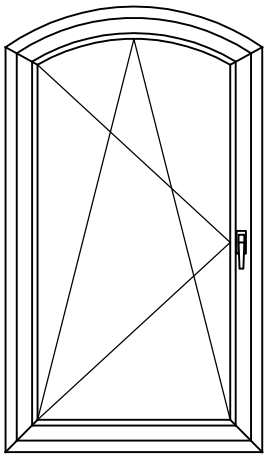
festverglastes
Dreieck-Fenster



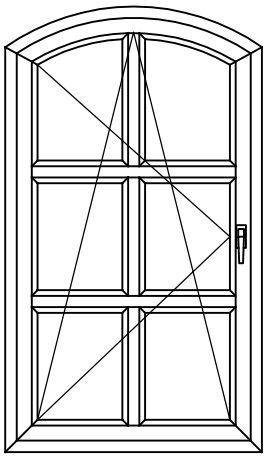
Rundbogen-Dreh-Kipp-Fenster
mit Flügelsprosse



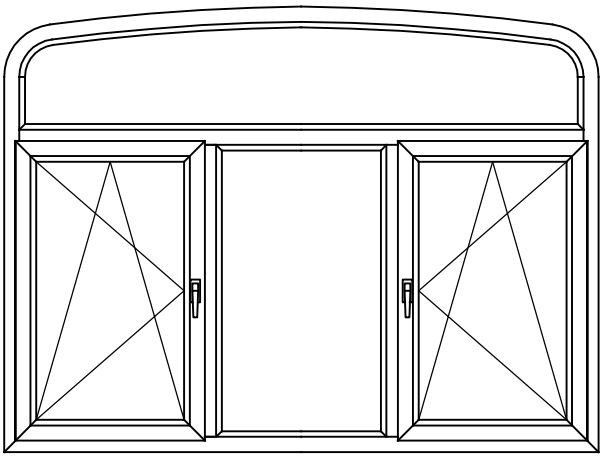
Rundbogenfenster
Dreh-Kipp-Fenster mit
Kreuzsprosse und
festverglastem Oberlicht



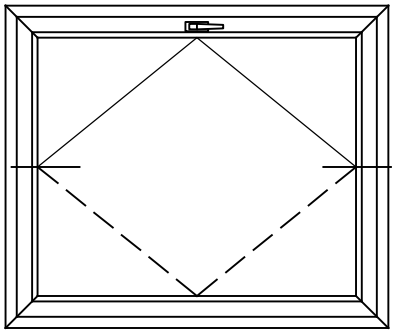
Stichbogen-
Dreh-Kipp-Fenster



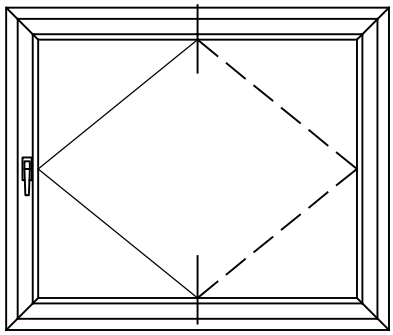
Stichbogen-
Dreh-Kipp-Fenster
mit Sprossen



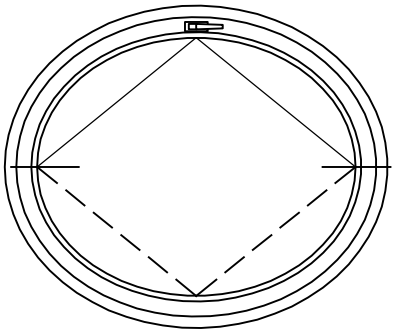
Korbbogenfenster mit festverglastem Oberlicht:
Dreh-Kipp- / Festverglasung im Rahmen / Dreh-Kipp-Fenster



Schwingfenster
(-> Anschlagdichtungssysteme)

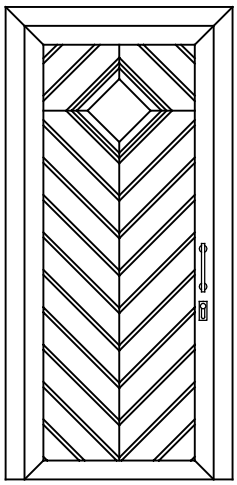
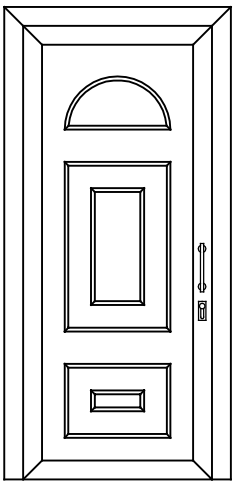
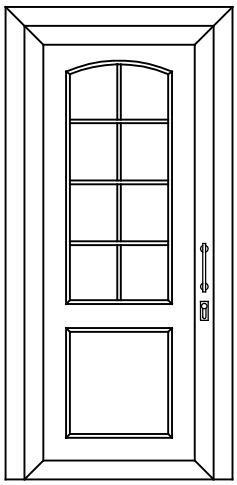
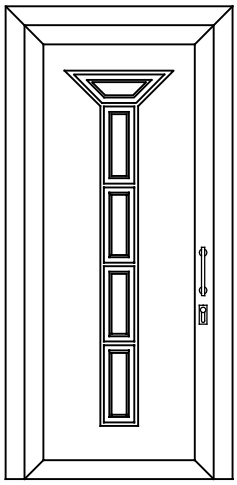
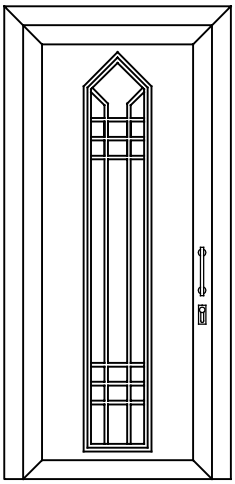
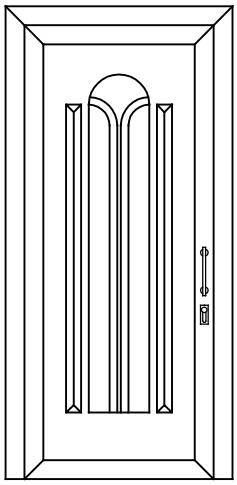
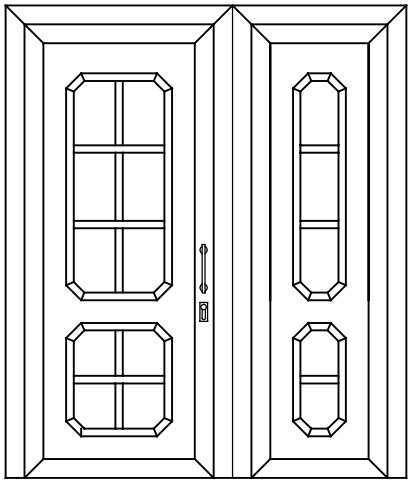
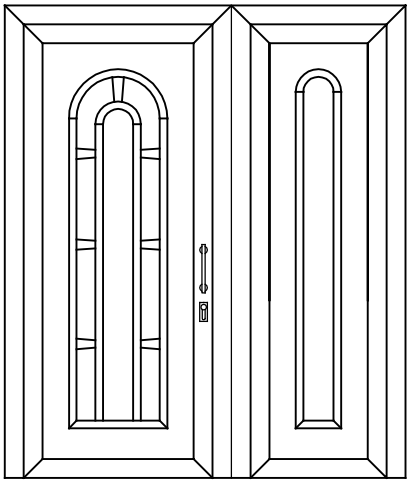


Schwingfenster (senkrecht)
(-> Anschlagdichtungssysteme)



ovales Schwingfenster
(-> Anschlagdichtungssysteme)

Allgemeines
Typen-Übersicht Fenster

Hinweis: Haustürfähigkeit ist Abhängig vom verwendeten System

Allgemeines
Typen-Übersicht Haustüren

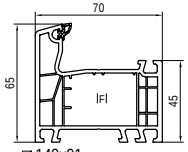
aluplast GmbH | Kunststoff-Fenstersysteme
Auf der Breit 2 | D-76227 Karlsruhe
Tel. +49 (721) 47171-0 | Fax -999
info@aluplast.de | www.aluplast.de

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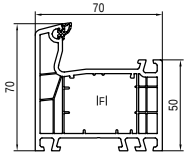
IDEAL 4000®

70mm
Anschlagdichtungsystem
3-6-Kammersystem

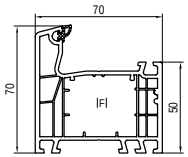
Hauptprofile



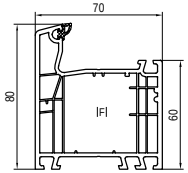
⍁ 140x01 (CL)
|F| 229023, 229024, 229025, 229026, 229029, 229030, 249010, 249011, 249026



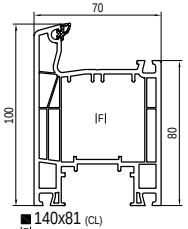
⍁ 140x02 (CL)
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|P| 249312
|U| 249058, 249059, 249060, 269060
|V| 646071



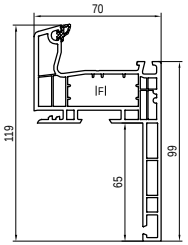
■ 140x07 (CL)
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|P| 249312
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|V| 646071



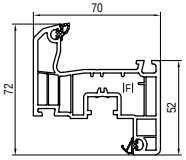
■ 140x03 (CL)
|F| 229017, 229114, 229115, 229120
|P| 249313
|U| 249058, 249059, 249060, 269060
|V| 646072



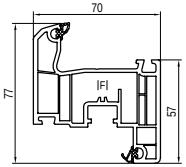
■ 140x81 (CL)
|F| 249034, 249035



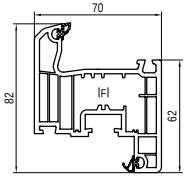
⍁ 140x10 (CL)
|F| 229110, 229111



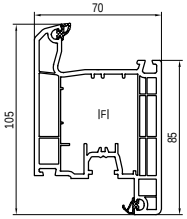
⍁ 140x21 (SL)
|F| 249004, 249024



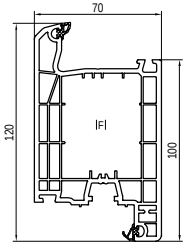
■ 140x20 (SL)
|F| 229023, 229024, 229025, 229026, 229027, 229028, 249026
|P| 249450



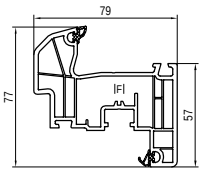
⍁ 140x23 (SL)
|F| 229023, 229024, 229025, 229026, 249010, 249011, 249026
|P| 249323



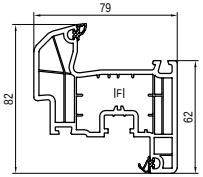
■ 140x30 (SL)
|F| 229114, 229115, 249031
|P| 249460



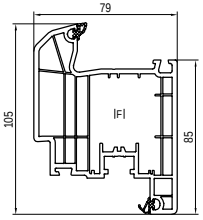
■ 140x33 (SL)
|F| 229125, 229126, 229129, 229131
|P| 249333



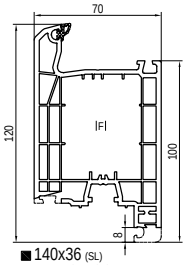
■ 140x26 (CL)
|F| 229023, 229024, 229025, 229026, 229027, 229028, 249026
|P| 249326



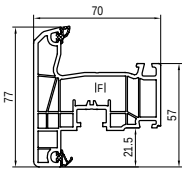
⍁ 140x25 (CL)
|F| 229023, 229024, 229025, 229026, 249010, 249011, 249026
|P| 249325



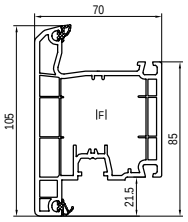
■ 140x32 (CL)
|F| 249007, 249009
|P| 249332



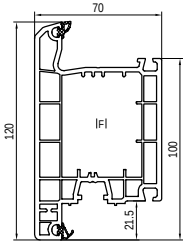
■ 140x36 (SL)
= 140x33 abgeschnitten
|F| 229125, 229126



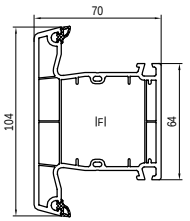
⍁ 140x37 (SL)
|F| 249037



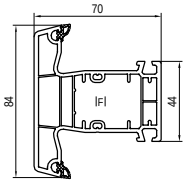
■ 140x31 (SL)
|F| 229114, 229115, 249013, 249031



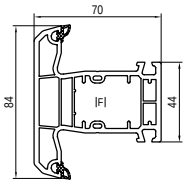
■ 140x35 (SL)
|F| 229125, 229126, 229129, 229131
|Ø| - |D| 627107



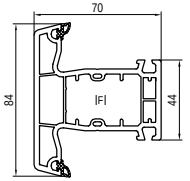
■ 140x45 (CL)
|Ø| 677103 |D| 677133
|F| 249034, 249035
|P| 249343
|U| 249058, 249059, 249060, 269060
|M| 646075



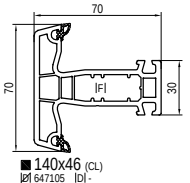
■ 140x41 (CL)
|Ø| 647101 |D| 647131
|Ø| 647102 |D| 647132
|F| 229098, 229100, 229101
|P| 249341
|U| 249058, 249059, 249060, 269060
|M| 646074



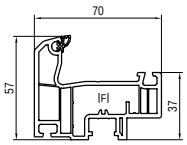
⍁ 140x48 (SL)
|F| 229098, 229100, 229101
|Ø| 647101 |D| 647131
|Ø| 647102 |D| 647132
|P| 249341



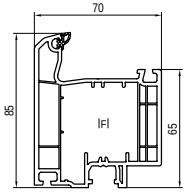
⍁ 140x44 (CL)
|Ø| 647101 |D| 647131
|Ø| 647102 |D| 647132
|F| 299922
|P| 249341
|U| 249058, 249059, 249060, 269060
|M| 646074



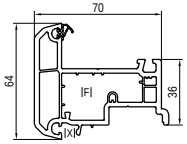
■ 140x46 (CL)
|Ø| 647105 |D| -
|F| 249019
|P| 249346



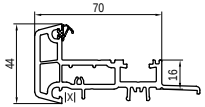
⍁ 140x76 (SL) ->140x20 TBA
|C| 640082
|F| 229027, 229028



⍁ 140x77 (SL) ->140x30 TBA
|C| 640082
|F| 229114, 229115, 249031

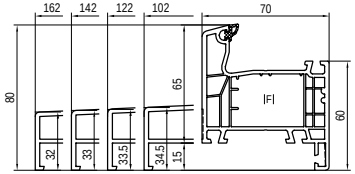


⍁ 140x67 (SL)
|C| 640067
|F| 259092
|P| 249366
|X| 447340, 449340



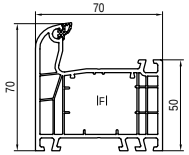
■ 140x65 (CL)
|C| 640065
|P| 249365
|X| 447340, 449340

Monoblock

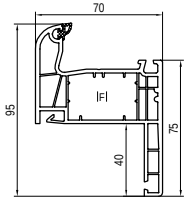


⍁ 140x19 (CL)(MB) l=162mm TBA
⍁ 140x18 (CL)(MB) l=142mm TBA
⍁ 140x16 (CL)(MB) l=122mm TBA
⍁ 140x14 (CL)(MB) l=102mm TBA
⍁ 140x12 (CL)(MB) l=70mm
|F| 229023, 229024, 229025, 229026, 229029, 229030, 249010, 249011, 249026

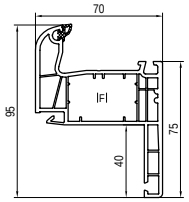
Hauptprofile Round-line (RL)



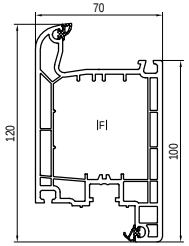
■ 140x08 (RL)
|F| 229023, 229024, 229025, 229026, 229029, 229030, 229112, 229113, 249026
|U| 249058, 249059, 249060, 269060
|V| 646070



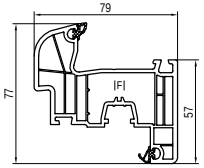
■ 140x13 (RL)
|F| 229098, 229100, 229101



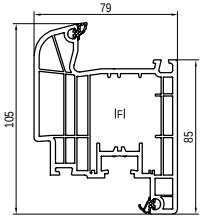
■ 140x11 (RL)
|F| 229098, 229100, 229101



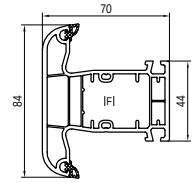
■ 140x38 (RL)
|F| 229135, 229137



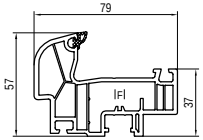
■ 140x22 (RL)
|F| 229023, 229024, 229025, 229026, 249026



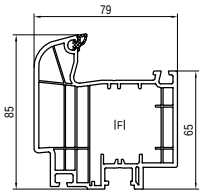
■ 140x34 (RL)
|F| 249007, 249009



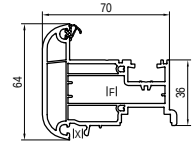
■ 140x47 (RL)
|Ø| 647101 |D| 647131
|Ø| 647102 |D| 647132
|F| 229098, 229100, 229101
|U| 249058, 249059, 249060, 269060
|M| 646073



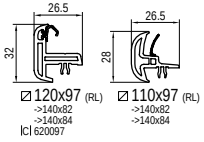
⍁ 140x82 (RL) ->140x22
|C| 640082
|F| 229027, 229028



⍁ 140x84 (RL) ->140x34
|C| 640082
|F| 249009



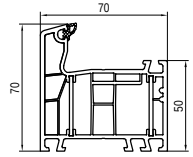
■ 140x69 (RL)
|C| 640069
|F| 229063
|P| 249366
|X| 447340, 449340



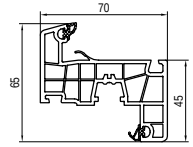
⍁ 120x97 (RL) ->140x82 ->140x84
|C| 620097

⍁ 110x97 (RL) ->140x82 ->140x84

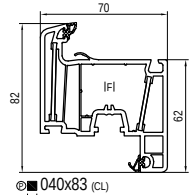
energeto® 4000



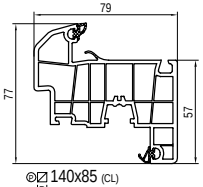
■ 040x07 (CL)
|P| 249312
|U| 249058, 249059, 249060, 269060
|V| 646071



Ⓟ⍁ 140x86 (CL)
|P| 249486



Ⓟ■ 040x83 (CL)
|F| 259083
|P| 249323



Ⓟ⍁ 140x85 (CL)
|P| 249326

Ⓟ protected under EP 1659254B1

⍁ ohne Dekor
■ Dekor

|C| Endkappen
|⍁| Verbinder / ohne Noppen
|D| Verbinder
|F| Ausstellfungen
|P| **alu**skin Alu-Vorsatzschalen
|U| Alu-Schwellen
|V| Schwellenhalter
|M| Pfostenhalter
|X| Dichtungen

-> für

(CL) Classic-line
(SL) Soft-line
(RL) Round-line

(MB) Monoblock

sw schwarz
we weiß
pw papyrusweiß
gr grau
br braun
rt rot
ge gelb

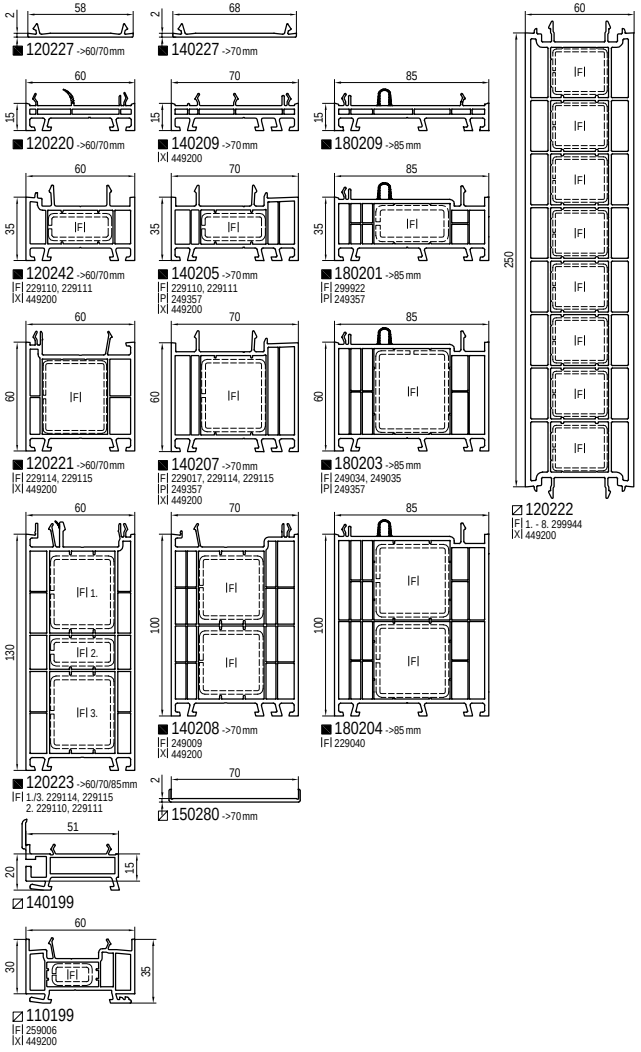
TBA In Vorbereitung (neu oder geändert)

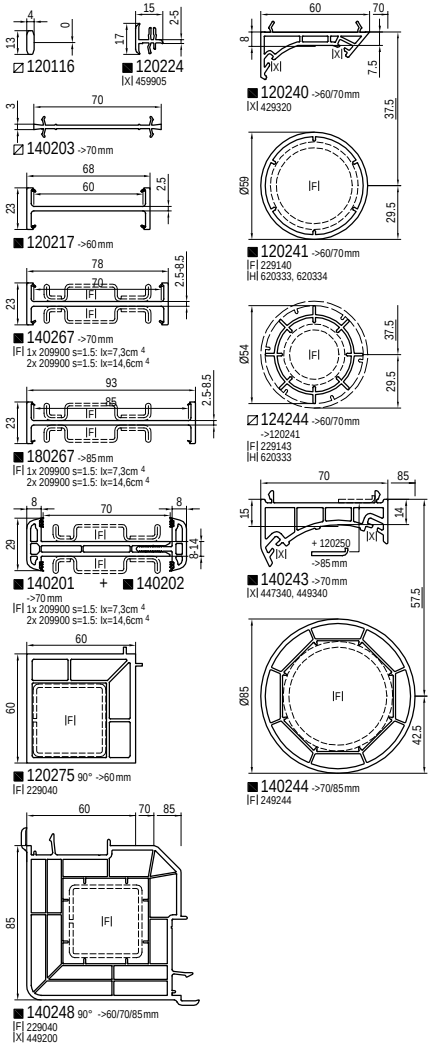
Technische Änderungen und Irrtümer vorbehalten! Profile mit Dekoren und Profile mit Dichtungen laut Preisliste! Copyright © aluplast GmbH | All rights reserved | Alle Rechte vorbehalten

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Kunststoff-Fenstersysteme

Verbreiterungen / Kopplungen





sw schwarz
we weiß
gw papyrusweiß
br braun
gr grau

ohne Dekor
Dekor

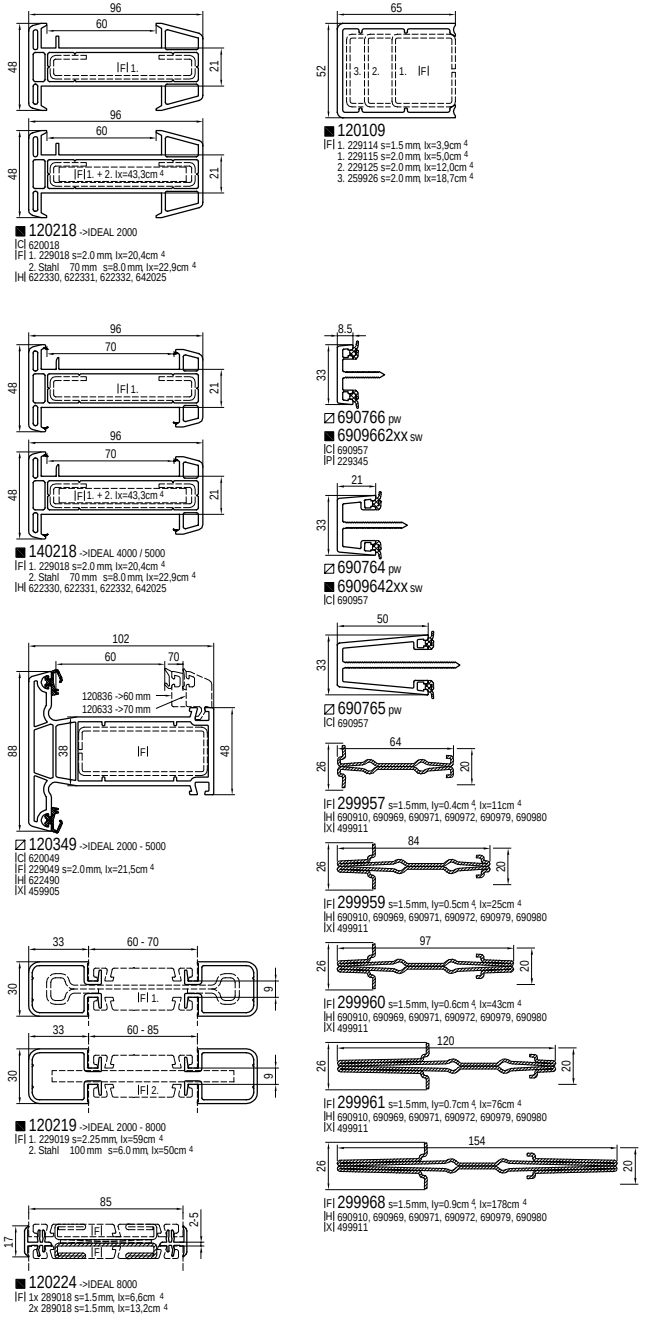
Bautiefe
... ->IDEAL 2000 - 8000
->60mm ->IDEAL 2000
->70mm ->IDEAL 4000 / 5000
->85mm ->IDEAL 8000

TBA In Vorbereitung (neu oder geändert)

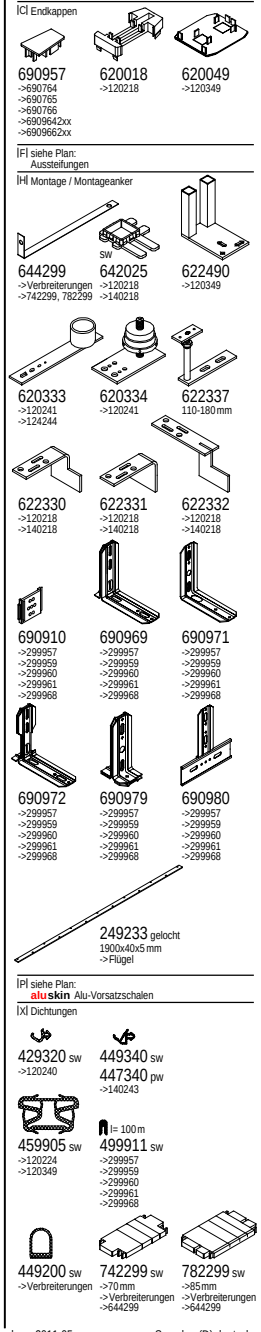
|C| Endkappen
siehe Plan |F| Aussteifungen
|H| Montage / Montageanker
siehe Plan |P| aluskin Alu-Vorsatzschalen
|X| Dichtungen

-> für

Statik-Profile



Zubehör

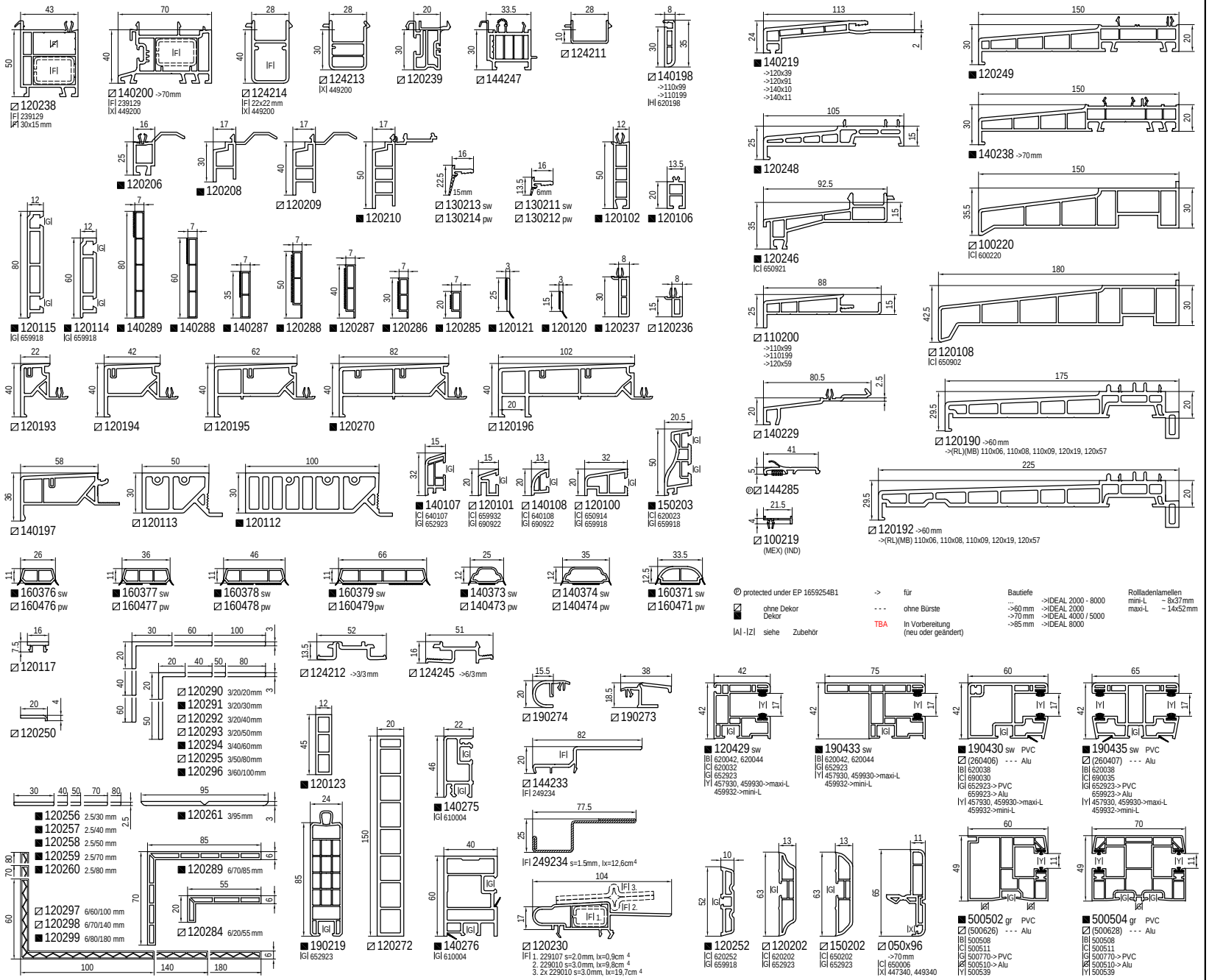


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Zusatzprofile



Ⓟ protected under EP 1659254B1

▨ ohne Dekor
■ Dekor

|A| -|Z| siehe Zubehör

-> für
--- ohne Bürste
TBA In Vorbereitung (neu oder geändert)

Bautiefe
... ->IDEAL 2000 - 8000
->60 mm ->IDEAL 2000
->70 mm ->IDEAL 4000 / 5000
>85 mm ->IDEAL 8000

Rollladenlamellen
mini-L ~ 8x37mm
maxi-L ~ 14x52mm

Zubehör

|A| Glasklotz

660911	2x12x100 mm
669922	3x12x100 mm
660916	2x20x100 mm
669919	3x20x100 mm
669920	4x20x100 mm
660900	4x22x100 mm
659905	1x25x 90 mm
659906	2x25x 90 mm
659907	5x25x 90 mm
669912	2x28x100 mm
669911	3x28x100 mm
669910	4x28x100 mm
659908	5x28x100 mm
660901	2x30x100 mm
660902	3x30x100 mm
660903	4x30x100 mm
659935	2x34x100 mm
659936	3x34x100 mm
659937	4x34x100 mm
659938	5x34x100 mm
659942	2x46x100 mm
659943	3x46x100 mm
659944	5x46x100 mm

2mm ~ blau
3mm ~ rot
4mm ~ gelb
5mm ~ grün

|B| Einlauftrichter

620042 ->120429 ->190433
620044 ->120429 ->190433
620038 ->190430 ->190435 |R| 260406 |R| 260407
500508 ->500502 ->500504 |R| 500626 |R| 500628

|C| Endkappen

650902 ->120108
600220 ->100220
650921 ->120246
690030 ->190430
690035 ->190435
620032 ->120429
500511 ->500502 ->500503 ->500626 ->500627 ->500504 ->500505 ->500628 ->500629
659932 ->120101
640108 ->140108
640107 ->140107
650914 ->120100
650006 ->050x96
620252 ->120252
620202 ->120202
650202 ->150202
620023 ->150203

|F|/|Z| siehe Plan: Aussteifungen

|G|/|Ø| Klips-Schraube / Klips / Verbinder

652923 ->PVC
659923 ->Alu
659918
610004
690922
500770 ->PVC
500510 ->Alu

|H| Montage / Montageanker

sw
642025
622337 110-180 mm
620198 ->140198

|K| Entwässerungskappen / -Röhrchen

620010 Ø9.5 mm
620013 Ø11x10 mm
620012 Ø11x24 mm
620014 Ø10x11 mm
690923

|M| Platten (PVC / Sandwich)

620320 24mm
620321 3mm

|R| Alu-Rolladenführungen
siehe Plan: aluskin Alu-Vorsatzschalen

|X| Dichtungen

429334 sw
427334 pw
429335 sw
420250 we
421250 br
423250 oc
449340 sw
447340 pw ->050x96
449200 sw ->Verbreiterungen

|Y| Bürstendichtungen

459930 sw
457930 gr
459932 sw
500539 gr

sw schwarz
we weiß
pw papyrusweiß
br braun
gr grau
oc ocker

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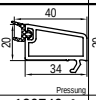
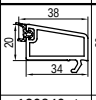
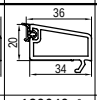
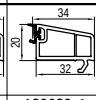
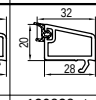
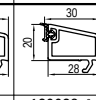
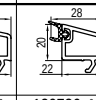
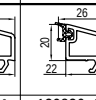
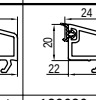
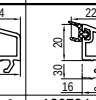
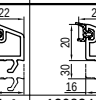
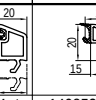
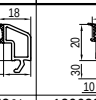
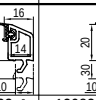
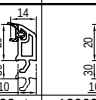
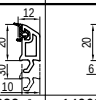
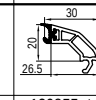
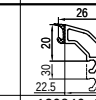
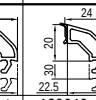
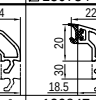
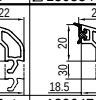
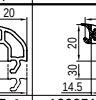
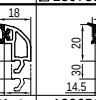
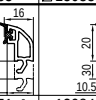
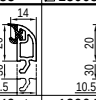
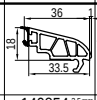
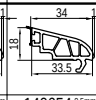
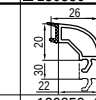
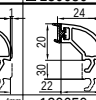
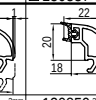
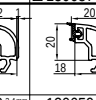
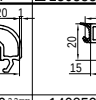
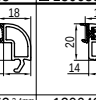
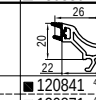
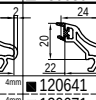
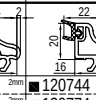
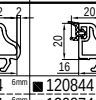
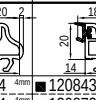
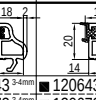
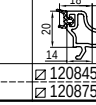
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GLASLEISTEN

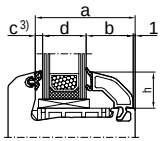
Verglasungsstärke

a	Profilserie	c 3)	d																
73mm	IDEAL 8000 + 8mm/180250	4mm	28 - 29mm	30 - 31mm	32 - 33mm	34 - 35mm	36 - 37mm	38 - 39mm	40 - 41mm	42 - 43mm	44 - 45mm	46 - 47mm	48 - 49mm	50 - 51mm	52 - 53mm	54 - 55mm	56 - 57mm	58 - 59mm
65mm	IDEAL 8000, Nord-line Rahmen	4mm	20 - 21mm	22 - 23mm	24 - 25mm	26 - 27mm	28 - 29mm	30 - 31mm	32 - 33mm	34 - 35mm	36 - 37mm	38 - 39mm	40 - 41mm	42 - 43mm	44 - 45mm	46 - 47mm	48 - 49mm	50 - 51mm
63mm	IDEAL 5000 + 8mm/180250	4mm	-	-	22 - 23mm	24 - 25mm	26 - 27mm	28 - 29mm	30 - 31mm	32 - 33mm	34 - 35mm	36 - 37mm	38 - 39mm	40 - 41mm	42 - 43mm	44 - 45mm	46 - 47mm	48 - 49mm
55mm	IDEAL 4000, IDEAL 5000, HST 70 mm 4), Nord-line Flügel	4mm	10 - 11mm	12 - 13mm	14 - 15mm	16 - 17mm	18 - 19mm	20 - 21mm	22 - 23mm	24 - 25mm	26 - 27mm	28 - 29mm	30 - 31mm	32 - 33mm	34 - 35mm	36 - 37mm	38 - 39mm	40 - 41mm
47mm	IDEAL 2000, multi-sliding 5)	3mm	-	4 - 5mm	6 - 7mm	8 - 9mm	10 - 11mm	12 - 13mm	14 - 15mm	16 - 17mm	18 - 19mm	20 - 21mm	22 - 23mm	24 - 25mm	26 - 27mm	28 - 29mm	30 - 31mm	32 - 33mm
32mm	duo-rail 5)	3mm	-	-	-	-	-	-	-	-	4 - 5mm	6 - 7mm	8 - 9mm	10 - 11mm	12 - 13 mm	14 - 15mm	16 - 17mm	18 - 19mm

b

	40mm	38mm	36mm	34mm	32mm	30mm	28mm	26mm	24mm	22mm	20mm	18mm	16mm	14mm	12mm	10mm
(CL) Classic-line																
Dichtung	Pressung															
h = 20 mm 1) schwarz	■ 120740 6mm	■ 120840 4mm	■ 120640 2mm	■ 120639 2mm	■ 120838 4mm	■ 120638 2mm	■ 120736 6mm	■ 120836 4mm	■ 120636 2mm	■ 120734 6mm	■ 120834 4mm	■ 140853 3-4mm	■ 120633 2mm	■ 120832 4mm	■ 120632 2mm	■ 140631 4mm
papyrusweiß	◪ 120770 6mm	◪ 120870 4mm	◪ 120670 2mm	◪ 120669 2mm	◪ 120868 4mm	◪ 120668 2mm	◪ 120766 6mm	◪ 120866 4mm	◪ 120666 2mm	◪ 120764 6mm	◪ 120864 4mm	◪ 140883 3-4mm	◪ 120663 2mm	◪ 120862 4mm	◪ 120662 2mm	◪ 140661 4mm
h = 30 mm 2) schwarz	-	-	-	-	-	-	-	-	-	■ 130754 6mm	■ 130854 4mm	-	■ 130753 6mm	■ 130853 4mm	■ 130653 2mm	-
papyrusweiß	-	-	-	-	-	-	-	-	-	◪ 130784 6mm	◪ 130884 4mm	-	◪ 130783 6mm	◪ 130883 4mm	◪ 130683 2mm	-
(SL) Soft-line																
Dichtung																
h = 20 mm 1) schwarz						■ 120855 4mm		■ 120846 4mm	■ 120646 2mm	■ 120847 4mm	■ 120647 2mm	■ 120851 3-4mm	■ 120651 2mm	■ 120849 4mm	■ 120649 2mm	
papyrusweiß						◪ 120885 4mm		◪ 120876 4mm	◪ 120676 2mm	◪ 120877 4mm	◪ 120677 2mm	◪ 120881 3-4mm	◪ 120681 2mm	◪ 120879 4mm	◪ 120679 2mm	
h = 30 mm 2) schwarz						-		■ 130856 4mm	■ 130656 2mm	■ 130857 4mm	■ 130657 2mm	■ 130858 4mm	■ 130658 2mm	■ 130859 4mm	◪ 130659 2mm	
papyrusweiß						-		◪ 130886 4mm	◪ 130686 2mm	◪ 130887 4mm	◪ 130687 2mm	◪ 130888 4mm	◪ 130688 2mm	◪ 130889 4mm	◪ 130689 2mm	
(RL) Round-line																
Dichtung																
h = 20 mm 1) schwarz			■ 140854 2.5mm	◪ 140654 0.5mm				■ 120850 4mm	■ 120650 2mm	■ 120859 3-4mm	■ 120659 2-3mm	■ 140852 3-4mm	◪ 120642 2-3mm			
papyrusweiß			◪ 140884 2.5mm	◪ 140684 0.5mm				◪ 120880 4mm	◪ 120680 2mm	◪ 120889 3-4mm	◪ 120689 2-3mm	◪ 140882 3-4mm	◪ 120672 2-3mm			
h = 30 mm 2) schwarz			-	-				■ 130850 4mm	■ 130650 2mm	-	-	-	-			
papyrusweiß			-	-				◪ 130880 4mm	◪ 130680 2mm	-	-	-	-			
(HL) Historik-line																
Dichtung																
h = 20 mm 1) schwarz								■ 120841 4mm	■ 120641 2mm	■ 120744 6mm	■ 120844 4mm	■ 120843 3-4mm	■ 120643 2-3mm			
papyrusweiß								◪ 120871 4mm	◪ 120671 2mm	◪ 120774 6mm	◪ 120874 4mm	◪ 120873 3-4mm	◪ 120673 2-3mm			
Dichtung																
h = 20 mm 1) schwarz												◪ 120845 4mm				
papyrusweiß												◪ 120875 4mm				

Glasleiste aussuchen
b = a - c - d - 1



a = Glasfalz
b = Glasleiste + Dichtung*
c 3) = Reparaturdichtungen*
d = Verglasungsstärke
1 = 1mm Überstand

* gepresste Dichtung

1) für Anschlagdichtungsysteme
2) für Mitteldichtungsysteme
3) oder Profil mit Dichtung
4) Flügel Hebeschiebetür
5) Flügel Schiebefenster

sw schwarz ~ RAL 9005
pw papyrusweiß ~ RAL 9018
we weiß

(CL) Classic-line
(SL) Soft-line
(RL) Round-line
(HL) Historik-line

(A) aluplast austria

◪ ohne Dekor
■ Dekor

aluskin Alu-Vorsatzschalen

-> für

TBA In Vorbereitung (neu oder geändert)

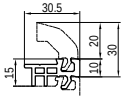
Reparaturdichtungen

-> Hauptprofile	Verglasungsstärke						
IDEAL 2000, multi-sliding 5)	= d Standard	= d Option	= d Option		= d - 1mm	= d - 2mm	
IDEAL 4000-8000, Nord-line, HST 70 mm 4)		= d + 1mm	= d + 1mm	= d Standard	= d Option	= d - 1mm	= d aluskin
duo-rail 5)		= d Standard	= d Option	= d - 1mm	= d - 1mm	= d - 2mm	

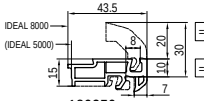
-> Glasleisten ->	xxx6xx	xxx8xx	xxx7xx							->aluskin erforderlich
	2mm	3-4mm	6mm	2.5-3.5 mm	2.5-3.5 mm	3-5 mm	4.0-4.5 mm	(A) 4mm	4.5-7.0 mm	4mm / oder 4mm
	429310 sw	429311 sw	429312 sw	429921 sw	459922 sw	459925 sw	449980 sw	449002 sw	459923 sw	459951 sw / 449986 sw
	2mm	3-4mm	6mm							
	427310 pw	427311 pw	427312 pw	427921 pw	- pw	450925 pw	447980 pw	- pw	- pw	- pw / - pw
Pressung				c = 3mm	c = 3mm	c = 3mm	c = 4mm	c = 4mm	c = 5mm	c = 4mm / c = 4mm

Zusatzprofile

für Mitteldichtungsysteme
für Rahmen und Pfosten
mit Glasleisten h= 20mm



■ 130250 h= 10 mm
Glasleistenadapter
->IDEAL 5000/8000
->650018, 650019



■ 180250 h= 10 mm
Glasfalzverbreiterung
->IDEAL 8000 (IDEAL 5000)
->650018, 650019

(...) = 180250, 650018 abgeschnitten

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DIN A0->DIN A4/DIN A3 Ersteller: RTH Dateiname: *Glasleisten* Ausgabe: 2011-05 Sprache: (D) deutsch

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aluplast
Kunststoff-Fenstersysteme

ZUBEHÖR
IDEAL 2000 - 8000®

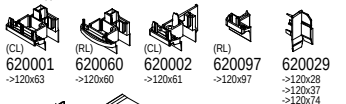
IDEAL 2000

|A| Glasklotz



620301 620305

|C| Endkappen



(CL) 620001 ->120x63
(RL) 620060 ->120x60
(CL) 620002 ->120x61
(RL) 620097 ->120x97
620029 ->120x28 ->120x37 ->120x74 ->120x77
(MB) 620414 ->110x06 ->110x08 ->110x09 ->120x19
(MB) 620415 ->110x06 ->110x08 ->110x09 ->120x19

|Ø| Verbinder / ohne Noppen
|D| Verbinder



620141 |Ø| 620111 |D| ->120x41 ->120x45
627131 |Ø| 627101 |D| ->120x41 ->120x45
627132 |Ø| 627102 |D| ->120x41 ->120x45
627135 |Ø| 627105 |D| ->120x46
- |Ø| 627107 |D| ->120x35 ->140x35

|E| Eckverbinder



620125 |F| 229125, 229129
620126 |F| 229126, 229131
640938 |E| 620125, 620126, 640038, 690226, 690227

|F| siehe Plan: Aussteifungen

|H| Montage / Montageanker



620410

| | Auflaufbock



620440 ->Flügel
620441 ->Rahmen
640441 ->Rahmen
624015 ->Rahmen

|L| Grundlüftungssystem



630315 Set

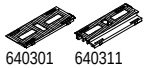
|X| Dichtungen



Standard 429921 sw 427921 pw
459922 sw - pw
459925 sw 450925 pw 453925 oc
459923 sw - pw
Standard 429340 sw 420340 pw
429320 sw - pw
429318 sw 427318 pw
429330 sw 420330 we

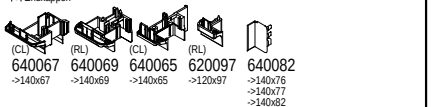
IDEAL 4000 / 4000 NL

|A| Glasklotz



640301 640311

|C| Endkappen



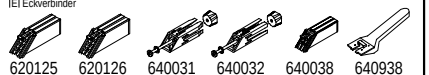
(CL) 640067 ->140x67
(RL) 640069 ->140x69
(CL) 640065 ->140x65
(RL) 640097 ->120x97
640082 ->140x76 ->140x77 ->140x82 ->140x84

|Ø| Verbinder / ohne Noppen
|D| Verbinder



647101 |Ø| 647131 |D| ->140x41 ->140x44 ->140x47 ->140x48
647102 |Ø| 647132 |D| ->140x41 ->140x44 ->140x47 ->140x48
677103 |Ø| 677133 |D| ->140x45
647105 |Ø| - |D| ->140x46
- |Ø| 627107 |D| ->120x35 ->140x35
(NL) 647057 |Ø| - |D| |X| 440357 449357

|E| Eckverbinder



620125 |F| 229125, 229129
620126 |F| 229126, 229131
640031 |F| 229115
640032 |F| 249009
640038 |F| 229135, 229137
640938 |E| 620125, 620126, 640038, 690226, 690227

|F| siehe Plan: Aussteifungen

|H| Montage / Montageanker



620410

| | Auflaufbock



620440 ->Flügel
640441 ->Rahmen
640015 ->Rahmen

|J| Scheibenverklebung siehe IDEAL 4000 - 8000

|L| Grundlüftungssystem



630315 Set

|P| siehe Plan: **alu**skin Alu-Vorsatzschalen

|X| Dichtungen



Standard 449980 sw 447980 pw
459922 sw - pw
459925 sw 450925 pw 453925 oc
449002 (A) sw - pw
459923 sw - pw
Standard 449340 sw 447340 pw
449343 sw 447343 pw
429318 sw 427318 pw
429330 sw 420330 we
(NL) 449357 sw 440357 we |Ø| 647057

IDEAL 4000 - 8000

|J| Scheibenverklebung



640033 rt 3mm
640034 ge 4mm
640035 gn 5mm
640113 rt 13mm
640114 ge 14mm
640015 we 12mm
640014 rt 13mm
640019 ge 14mm
645234 sw 4.5mm

IDEAL 5000 / 8000

|A| Glasklotz
IDEAL 5000



640301 640311 650016

IDEAL 5000 / 8000



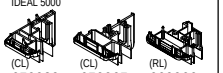
650018 ->130250
650019 |A| 650018

IDEAL 8000



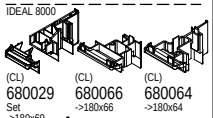
680016 620301 620305

|C| Endkappen
IDEAL 5000



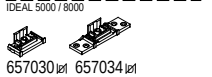
(CL) 650029 ->150x69 ->150x89
(CL) 650065 ->150x65
(RL) 660066 ->160x66
(CL) (CH) 650066 ->150x66
(CL) (CH) 650090 ->150x66

IDEAL 8000



(CL) 680029 Set ->180x69
(CL) 680066 ->180x66
(CL) 680064 ->180x64
(RL) 680065 ->180x65

|Ø| Verbinder / ohne Noppen
|D| Verbinder
IDEAL 5000 / 8000

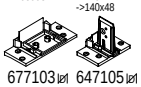


657030 |Ø| 657135 |D| ->150x43 ->150x44 ->180x43 ->180x44 |X| 650032, 659032, 650033, 659033
657034 |Ø| 657134 |D| ->150x43 ->150x44 ->180x43 ->180x44 |X| 650032, 659032, 650033, 659033

IDEAL 5000

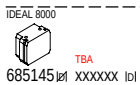


657035 |Ø| 657135 |D| ->150x41 |X| 650037, 659037
647101 |Ø| 647131 |D| ->140x41 ->140x44 ->140x47 ->140x48
647102 |Ø| 647132 |D| ->140x41 ->140x44 ->140x47 ->140x48



677103 |Ø| 677133 |D| ->140x45
647105 |Ø| - |D| ->140x46

IDEAL 8000



685145 |Ø| ->180x45
TBA XXXXXX |D| ->180x46
TBA XXXXXX |D| ->180x47

|E| Eckverbinder
IDEAL 5000



640031 |F| 229115

|F| siehe Plan: Aussteifungen

|H| Montage / Montageanker



620410

| | Auflaufbock
IDEAL 5000 / 8000



620440 ->Flügel
640015 ->Rahmen

IDEAL 5000



640441 ->Rahmen

|J| Scheibenverklebung siehe IDEAL 4000 - 8000

|L| Grundlüftungssystem



630315 Set
650000 ->MD

|P| siehe Plan: **alu**skin Alu-Vorsatzschalen

|X| Dichtungen
IDEAL 5000 / 8000



Standard 449980 sw 447980 pw
459922 sw - pw
(A) 449002 sw - pw
459925 sw 450925 pw 453925 oc
459923 sw - pw
Standard 449340 sw 447340 pw
449343 sw 447343 pw
429318 sw 427318 pw
429330 sw 420330 we
429338 sw 427338 pw |L| 650000



650032 we 659032 sw ->150x43 ->150x44 ->180x43 ->180x44 |Ø| 657030, 657034 |D| 657130, 657134
650033 we 659033 sw ->150x43 ->150x44 ->180x43 ->180x44 |Ø| 657030, 657034 |D| 657130, 657134

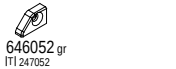
IDEAL 5000



459010 sw |L| 650000
650037 we 659037 sw ->150x41 |Ø| 657035 |D| 657135

Alu-Schwellen / Alu-Trittschutz

|C| Endkappen



646052 gr |T| 247052

IDEAL 2000



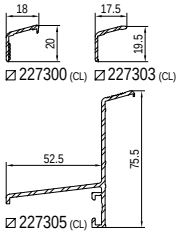
626062 gr |U| 229062

IDEAL 4000 (/MB) / 4000 NL



646062 gr |U| 249062

|Q| Alu-Trittschutz
IDEAL 2000 / 4000 / 5000



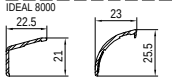
18 20
17.5 19.5
Ø 227300 (CL)
Ø 227303 (CL)
52.5 75.5
Ø 227305 (CL)

IDEAL 2000 / 4000



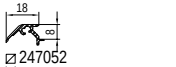
18 20.5
Ø 247300 (RL)

IDEAL 8000



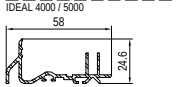
22.5 21
23 25.5
Ø 287303 (CL)
Ø 287300 (RL)

|T| Alu-Wetterschenkel



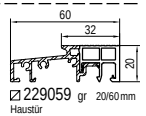
18 8
Ø 247052 |C| 646052

IDEAL 4000 / 5000



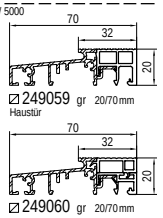
58 24.6
Ø 249089 |X| |X| 440036

|U| Alu-Schwellen
IDEAL 2000 ->60mm



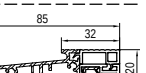
60 32 20
Ø 229059 gr 20/60 mm Haustür
60 32 20
Ø 229060 gr 20/60 mm

IDEAL 2000 / 4000 / 5000 ->60-70mm



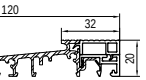
70 32 20
Ø 249059 gr 20/70 mm Haustür
70 32 20
Ø 249060 gr 20/70 mm

IDEAL 2000 - 8000 ->60-85mm



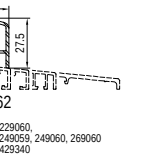
85 32 20
Ø 269060 gr 20/85 mm

IDEAL 2000 - 8000
IDEAL 4000 (MB) / 4000 NL ->60-120mm



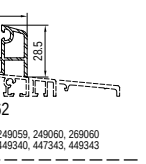
120 32 20
Ø 249058 gr 20/120 mm

für außenaufgehende Haustür
IDEAL 2000 ->60mm Flügel



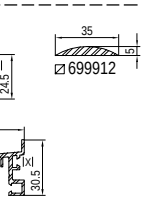
32 |X| 27.5
Ø 229062
|C| 626062
|U| 229059, 229060, 249058, 249059, 249060, 269060
|X| 420340, 429340

für außenaufgehende Haustür
IDEAL 4000 / 4000 (MB) / 4000 NL ->70mm Flügel



43 |X| 28.5
Ø 249062
|C| 646062
|U| 249058, 249059, 249060, 269060
|X| 447340, 449340, 447343, 449343

IDEAL 2000 - 8000



50.5 |X| 24.5
35 |U| 5
Ø 227301
|X| 420340, 429340
Ø 699912
67.5 |X| 30.5
Ø 227302
|X| 420340, 429340

|V| Schwellenhalter
IDEAL 2000 ->60mm



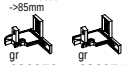
gr 626070 Set ->120x07

IDEAL 4000 / 5000 ->70mm



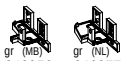
gr 646070 Set ->140x08
gr 646071 Set ->140x02 ->140x07 ->040x07 ->150x02
gr 646072 Set ->140x03 ->150x03 ->050x03

IDEAL 8000 ->85mm



gr 686070 Set ->180x03
gr 686071 Set ->080x05 ->180x05

IDEAL 4000 (MB) / 4000 NL ->120mm



gr (MB) 646076 Set ->140x91
gr (NL) 646077 Set ->140x53

|W| Pfostenhalter
IDEAL 2000 ->60mm



gr 626072 Set ->120x41 ->120x45

IDEAL 4000 / 5000 ->70mm



gr 646073 Set ->140x47
gr 646074 Set ->140x41 ->140x44 ->150x41
gr 646075 Set ->140x45 ->150x43 ->150x44

IDEAL 8000 ->85mm



gr 686072 Set ->180x43
gr 686073 Set ->180x44

|X| Dichtungen



PVC we 499910 sw
17 20 156252 gr ->MD
440036 we |T| 249089
446091 gr ->Rahmen ->Pfosten
446092 gr ->Flügel ->Stulp



429340 sw 420340 pw |U| 229062, 227301, 227302
449340 sw 447340 pw |U| 249062
449343 sw 447343 pw |U| 249062

sw schwarz
we weiß
pw papyrusweiß
gr grau
br braun
oc ocker
rt rot
ge gelb
gn grün

(CL) Classic-line
(SL) Soft-line
(RL) Round-line
(HL) Historik-line

(CH) IDEAL 5000 CH
(NL) IDEAL 4000 NL

(MB) Monoblock

(A) aluplast austria

-> für

TBA In Vorbereitung (neu oder geändert)

->AD für Anschlagdichtungssysteme ->IDEAL 2000 / 4000

->MD für Mittel dichtungssysteme ->IDEAL 5000 / 8000

|A| Glasklotz
|C| Endkappen
|Ø| Verbinder / ohne Noppen
|D| Verbinder
|E| Eckverbinder
|F| Aussteifungen
|H| Montage / Montageanker
| | Auflaufbock
|J| Scheibenverklebung
|L| Grundlüftungssystem
|P| **alu**skin Alu-Vorsatzschalen
|Q| Alu-Trittschutz
|T| Alu-Wetterschenkel
|U| Alu-Schwellen
|V| Schwellenhalter
|W| Pfostenhalter
|X| Dichtungen

Ø ohne Dekor
■ Dekor

Bautiefe
->60 mm ->IDEAL 2000
->70 mm ->IDEAL 4000 / 5000
->85 mm ->IDEAL 8000
->120 mm ->IDEAL 4000 (MB) / 4000 NL

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aluskin

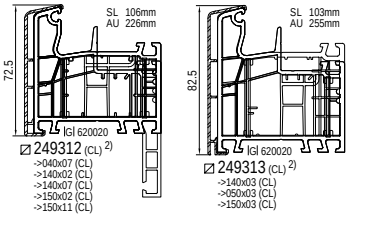
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info@aluplast.de | www.aluplast.de

aluplast
Kunststoff-Fenstersysteme

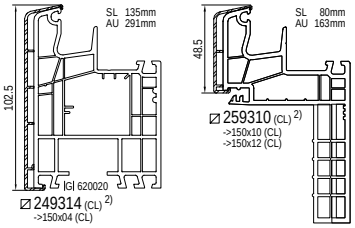
aluskin
Alu-Vorsatzschalen

|P| aluskin Alu-Vorsatzschalen

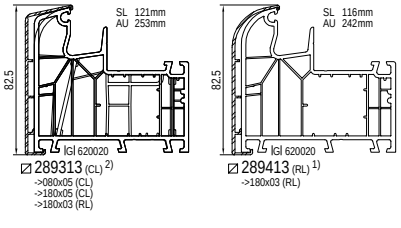
Rahmen — IDEAL 4000 / 5000



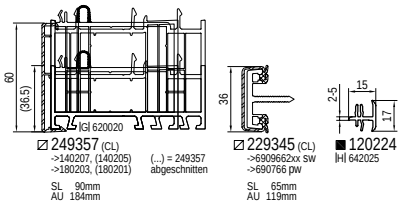
Rahmen — IDEAL 5000



Rahmen — IDEAL 8000

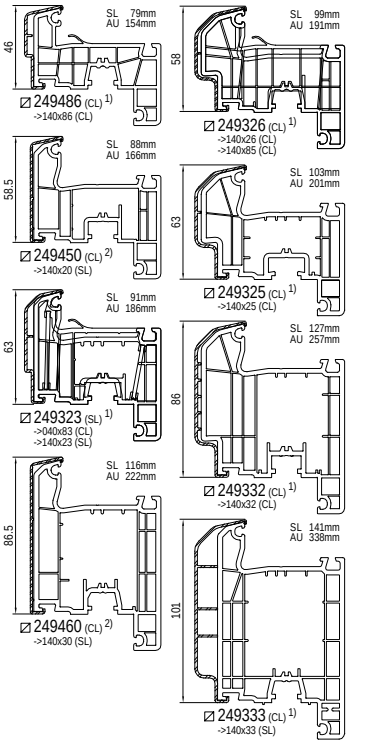


Zusatzprofile

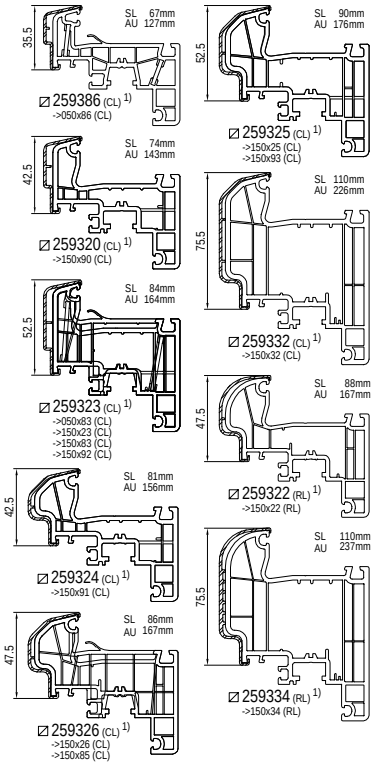




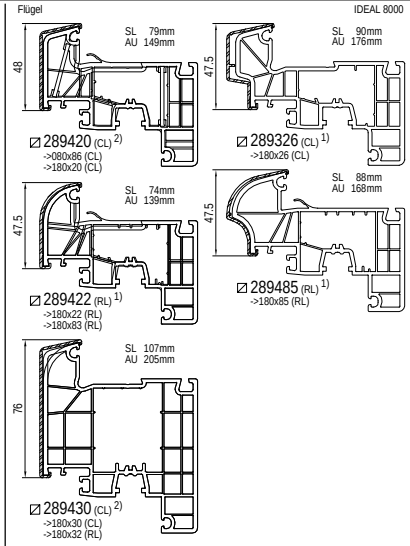
Flügel — IDEAL 4000



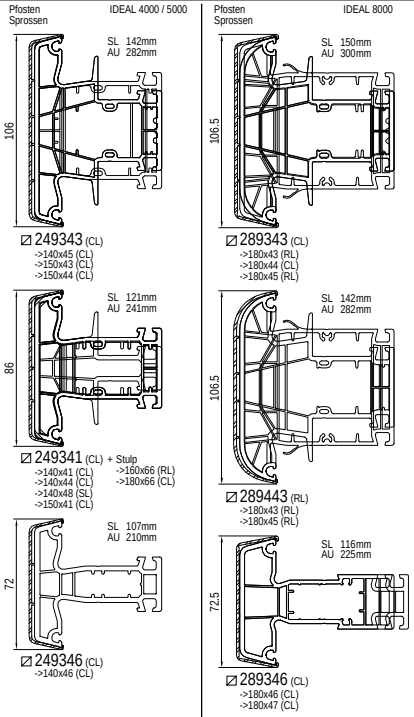
Flügel — IDEAL 5000



Flügel — IDEAL 8000

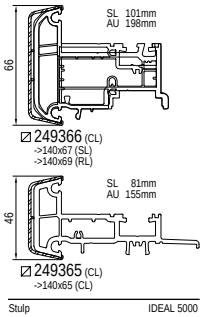


Pfosten Sprossen — IDEAL 4000 / 5000

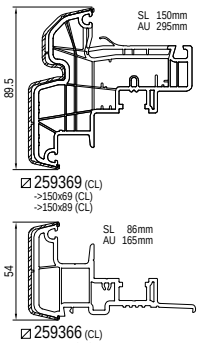


Pfosten Sprossen — IDEAL 8000

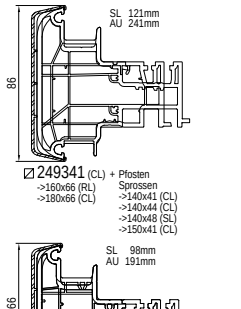
Stulp — IDEAL 4000



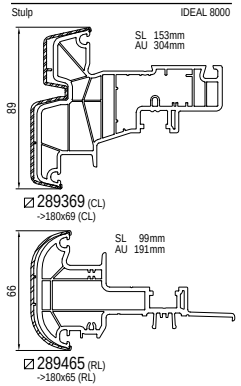
Stulp — IDEAL 5000



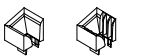
Stulp — IDEAL 5000 / 8000



Stulp — IDEAL 8000



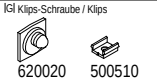
|B| Einlauftrichter



|C| Endkappen



|G| Klips-Schraube / Klips

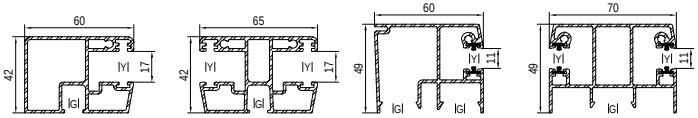


|H| Montage / Montageanker

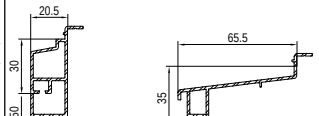


|R| Alu-Rolladenführungen

|R| siehe Rolladenkasten



|S| Alu-Profile



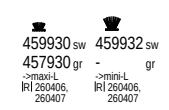
|T| Alu-Wetterschenkel



|X| Dichtungen



|Y| Bürstendichtungen



Technische Änderungen und Irrtümer vorbehalten!

Profile mit Dekoren und Profile mit Dichtungen laut Preisliste!

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DIN A0->DIN A4/DIN A3 | Ersteller: RTH | Dateiname: *Alu-Vorsatzschalen* | Ausgabe: 2011-09 | Sprache: (D) deutsch

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Kunststoff-Fenstersysteme

AUSSTEIFUNGEN

|F| Aussteifungen

für

IDEAL 2000
IDEAL 4000
IDEAL 5000
IDEAL 8000
IDEAL 4000 NL
Nord-line
Zusatzprofile
Hebeschiebetür
Schiebefenster
Klappladen

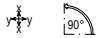
1) Ix [cm⁴] -> Alu x 0,334 = Stahl

2) ausgestanzt

|E| Eckverbinder

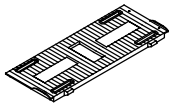
Je nach Einbausituation müssen einige Aussteifungen um 90° gedreht werden.

In diesem Fall muss man die Werte Ix und Iy entsprechend tauschen:

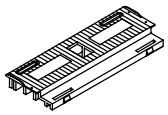


y-x-y	[cm⁴] Ix	Iy	Stärke s [mm]	Artikel Nummer
für 100075	0.8	1.1	2.0mm	209075
für 100077	1.2	0.2	2.0mm	209077
für 100093	4.8 6.3	3.2 4.2	1.5mm 2.0mm	209092 209093
für 100096	6.6	2.2	1.5mm	209099
für 100097, 100098	2.9	0.2	1.5mm	209121
für 140201, 140202, 140267, 180267	7.3	0.1	1.5mm	209900
für 120x07, 120x09, 120x18	2.1 2.6	1.3 1.8	1.5mm 2.0mm	229001 229002
für 100070, 100x72	1.6 2.0	0.8 1.0	1.5mm 2.0mm	229003 229004
für 120x30, 120x31	3.5	4.2	2.0mm	229005
für 120x37, 120x38	2.6	0.4	2.0mm	229007
für 120230	9.8 19.7	0.1 4.6	3.0mm 2x 3.0mm	229010 2x 229010
für 120x10	0.9	0.2	1.5mm	229015
für 140x03, 140207	3.7	2.8	1.5mm	229017
für 120218, 140218	20.4	0.7	2.0mm	229018
für 120219	60.6	0.7	2.5mm	229019
für 120x20, 120x77	3.7	0.7	2.0mm	229020
für 120x80	8.5	9.6	2.0mm	229021
für 100090, 120x05, 120x08, 120x09, 120x18, 120x20, 120x22, 120x27, 140x01, 140x02, 140x07, 140x08, 140x12, 140x14, 140x16, 140x18, 140x19, 140x20, 140x22, 140x23, 140x25, 140x26	2.3 1.6	0.8 0.6	1.5mm 1.0mm	229023 229025
für 100090, 120x05, 120x08, 120x22, 120x27, 140x01, 140x02, 140x07, 140x08, 140x12, 140x14, 140x16, 140x18, 140x19, 140x20, 140x22, 140x23, 140x25, 140x26	2.9 3.8	1.1 1.5	1.5mm 2.0mm	229024 229026
für 120x20, 120x22, 120x27, 120x28, 120x77, 140x20, 140x26, 140x76, 140x82, 150x22, 150x26, 150x69	1.6 2.1	0.5 0.7	1.5mm 2.0mm	229027 229028
für 100090, 120x05, 120x08, 140x01, 140x02, 140x07, 140x08, 140x12, 140x16, 140x18, 140x19, 180x66	2.4 3.6	1.6 2.4	1.25mm 2.0mm	229029 229030
für 120x38	4.2	0.8	2.0mm	229031
für 120x01, 120x91, 150x89	1.7	0.2	1.5mm	229034
für 110x99, 120x01, 120x39, 120x57, 120x59, 120x91, 180x46, 180x47	2.5	0.7	1.5mm	229037
für 120x38	2.7	0.7	2.0mm	229038
für 120275, 140248, 180204	7.0	7.0	2.0mm	229040
für 150x10, 150x12	1.1	0.2	1.5mm	229045
für 120x37, 120x38	1.4	0.2	1.2mm	229047
für 120349	21.5	4.7	2.0mm	229049
für 120x63, 140x69, 160x66, 180x64	4.3	0.2	2.0mm	229063
für 120x34, 120x74	5.1	4.1	2.0mm	229073
für 120x41, 120x45, 140x11, 140x13, 140x41, 140x47, 140x48, 150x02, 150x11, 150x43	4.0	1.4	2.5mm	229098
für 120x41, 120x45, 140x11, 140x13, 140x41, 140x47, 140x48, 150x02, 150x11, 150x43	1.9	0.8	1.25mm	229100
für 120x41, 120x45, 140x11, 140x13, 140x41, 140x47, 140x48, 150x02, 150x11, 150x43	2.8	1.0	1.5mm	229101
für 100090, 150x44, 180x43, 180x44	5.4 7.3	1.5 1.9	2.0mm 3.0mm	229102 229103
für 100x73, 120230, 150x65	0.9	0.4	2.0mm	229107
für 110x06, 110x08, 110x09, 120x19, 120223, 120242, 140x10, 140205	1.8 2.3	0.5 0.6	1.5mm 2.0mm	229110 229111
für 120x07, 120x09, 120x18, 140x02, 140x07, 140x08, 150x03, 150x04, 180x03, 180x04, 180x05	1.8 2.7	1.8 2.7	1.2mm 2.0mm	229112 229113
für 120109, 120221, 120223, 140x03, 140x30, 140x31, 140x77, 140207, 150x30, 150x31, 150x32, 150x34, 180x30, 180x31, 180x32	3.9 5.0	4.9 6.3	1.5mm 2.0mm	229114 229115
für 080x05, 120x60	0.8 0.6	1.2 1.0	2.0mm 1.5mm	229117 229119
für 140x03	4.2	5.4	2.0mm	229120
für 120x33, 120x35, 120109, 140x33, 140x35, 140x36	8.5 8.5	12.0 12.0	2.0mm 2.0mm	229125 229129 2)
für 120x33, 120x35, 120109, 140x33, 140x35, 140x36	12.0 12.0	17.0 17.0	3.0mm 3.0mm	229126 229131 2)
für 140x38, 180x45	14.3 14.3	14.3 14.3	2.0mm 2.0mm	229135 229137 2)
für 120241	11.7	11.7	3.25mm	229140
für 124244	3.6	3.6	3.25mm	229143
für 120x21	1.7	0.6	2.0mm	229210
für 120x21	0.6	0.1	0.8mm	229211
für 080x86, 150x03, 150x04, 150x23, 150x25, 180x03, 180x04, 180x05, 180x20, 180x22, 180x26, 180x83, 180x85, 180x69	1.6 2.1	0.8 1.0	1.5mm 2.0mm	239019 239020
für 120238, 140200, 190246, 190247	1.5	0.8	1.5mm	239129
für 140x21, 150x02, 150x11	2.5	0.5	2.0mm	249004
für 140x32, 140x34	4.7	6.6	2.0mm	249007
für 140x32, 140x34, 140x84, 140208	4.5	4.6	2.0mm	249009
für 140x01, 140x12, 140x14, 140x16, 140x18, 140x19, 140x23, 140x25, 140x91	1.8 2.3	0.6 0.8	1.5mm 2.0mm	249010 249011
für 140x31	7.7	6.9	2.0mm	249013
für 140x46	1.8	0.2	2.0mm	249019
für 140x21	1.5	0.3	2.0mm	249024
für 150x25, 180x20, 180x22, 180x26, 180x69, 180x83, 180x85	5.1	1.4	2.0mm	249025
für 100090, 120x05, 120x08, 120x22, 120x27, 140x01, 140x02, 140x07, 140x08, 140x12, 140x14, 140x16, 140x18, 140x19, 140x20, 140x22, 140x23, 140x25, 140x26	5.1	2.0	3.0mm	249026
für 140x30, 140x31, 140x77, 150x30, 150x31, 150x32, 150x34	6.9	5.5	2.0mm	249031
für 140x45, 140x81, 180203	6.0 9.1	5.1 7.7	1.25mm 2.0mm	249034 249035
für 140x81	(14.1) 4.7	(8.7) 2.9	2.8mm ~ Stahl	249036 1) 1) Alu
für 140x37	2.1	0.4	1.2mm	249037
für 140x53, 140x54, 140x55, 140x56, 140x57, 140x59	27.1	3.0	1.5mm	249054
für 140080	5.0m (237) 6.7m (237) für 79.0	(27.0) (27.0) 9.0	2.5mm 2.5mm ~ Stahl	249105 1) 249108 1) 1) Alu
für 140x90, 180x65	3.5	0.3	1.5mm	249190
für 140x93	2.4	0.9	1.5mm	249192
für 140x95, 180x30, 180x31, 180x32	5.3	5.0	2.0mm	249195
für 140x98, 140x99	4.8	1.3	1.5mm	249198
für 140080	6.7m (197) für 65	(18.8) 6.3	2.0mm ~ Stahl	249228 1) 1) Alu
für 144233	12.6	2.0	1.5mm	249234
für 140249	2.9	2.0	2.0mm	249242
für 140244	23.1	23.1	3.2mm	249244
für 150x03, 150x04, 180x03, 180x04, 180x05	1.0	2.2	2.0mm	250101
für 080x86, 150x23, 150x25, 180x20, 180x22, 180x26, 180x83, 180x85	2.1	1.0	2.0mm	250102
für 150x25, 180x20, 180x22, 180x26, 180x69, 180x83, 180x85	3.9	1.1	2.0mm	259002
für 100x72, 110199, 120x46	0.5	0.2	2.0mm	259006
für 150x03, 150x04	2.8 3.6	2.4 3.1	1.5mm 2.0mm	259010 259011
für 150x22, 150x26, 150x69	3.3	0.7	1.25mm	259015
für 150x89	7.9	0.4	2.0mm	259016
für 150x25, 180x20, 180x22, 180x26, 180x69, 180x83, 180x85	3.1	0.8	1.5mm	259025
für 150x41	4.0	0.15	1.5mm	259041
für 040x83, 050x83, 150x83	3.6	2.1	2.0mm	259083
für 150x90, 150x91	1.5	0.1	2.0mm	259090
für 140x67, 150x92, 150x93	3.5	0.3	2.0mm	259092
für 140x53, 140x54, 140x55, 140x56, 140x57, 140x91	3.4	2.0	2.0mm	259906
für 120109	18.7	9.9	2.0mm	259926
für 120224	6.6	0.2	1.5mm	289018
für 180x66	7.7	2.0	2.0mm	289066
für 190233, 190235	0.02	0.2	0.8mm	299203
für 190220, 190246	2.2	5.6	1.5mm	299220
für 190221, 190222	3.7	3.7	1.0mm	299221
für 190221, 190222	(7.2) 2.4	(7.2) 2.4	2.0mm ~ Stahl	299222 1) 1) Alu
für 190223	(7.3) 2.4	(7.9) 2.6	2.5mm ~ Stahl	299223 1) 1) Alu
für 190233, 190235	(0.2) 0.09	(0.06) 0.02	1.2mm ~ Stahl	299234 1) 1) Alu
für 190234	(0.5) 0.16	(0.09) 0.03	1.2mm ~ Stahl	299235 1) 1) Alu
für 190246, 190247	4.3	0.7	1.5mm	299247
für 190238, 190241	0.7	1.3	0.8mm	299238
für 140x44, 180201	4.7	1.5	2.5mm	299922
für 120222, 190238, 190241	2.0	1.5	1.5mm	299944

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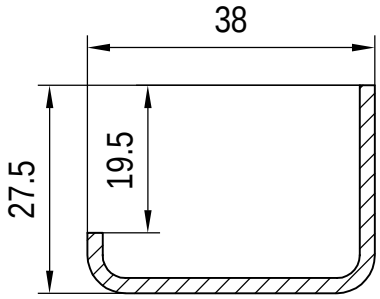
640301 Glasfalzeinlage



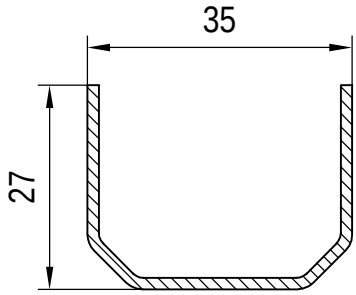
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x01
RAHMEN
65mm

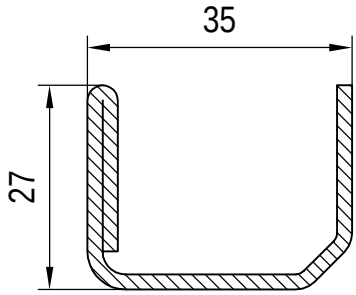
frame
dormant
telaio
marco
Classic-line



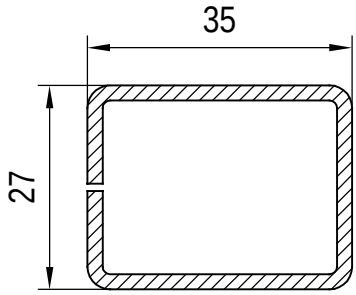
249010 s=1.5mm 1,8*
249011 s=2.0mm 2,3*



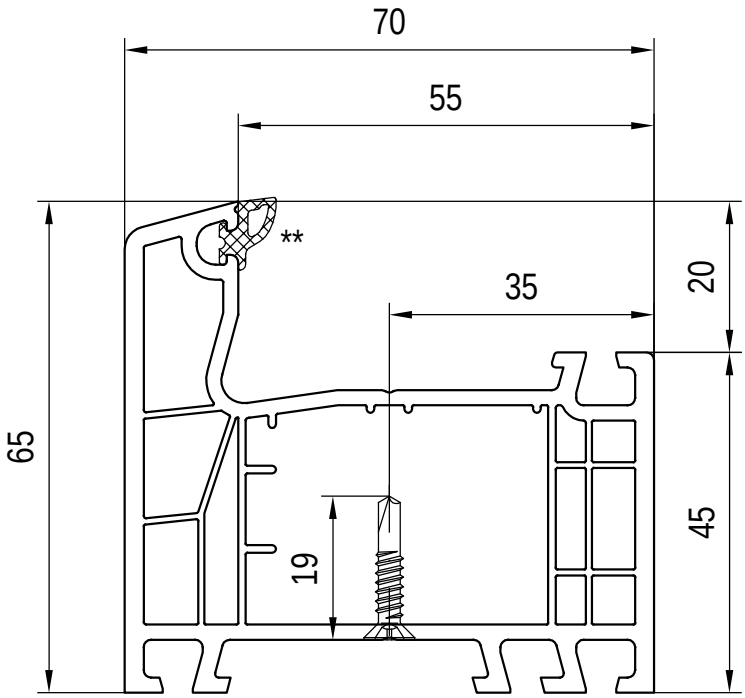
229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*



229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*



229029 s=1.25mm 2,4*
229030 s=2.0mm 3,6



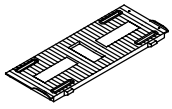
Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

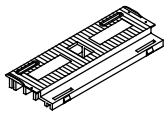
140x12
RAHMEN
65/80 x 70mm
(MB) / MONOBLOCK

frame
dormant
telaio
marco

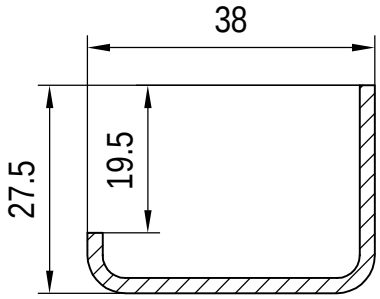
Classic-line



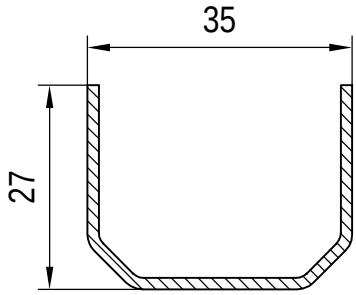
640301 Glasfalzeinlage



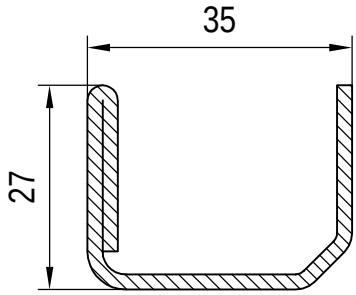
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



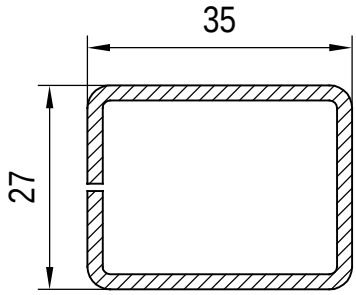
249010 s=1.5mm 1,8*
249011 s=2.0mm 2,3*



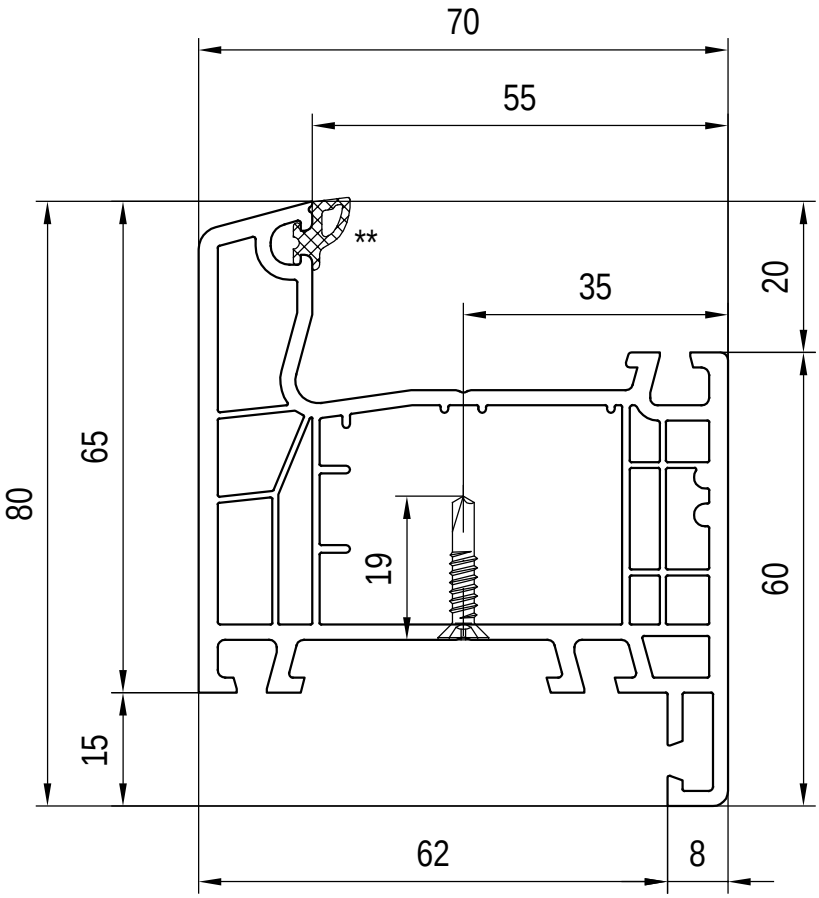
229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*



229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*

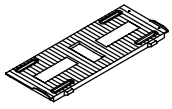


229029 s=1.25mm 2,4*
229030 s=2.0mm 3,6

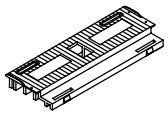


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



640301 Glasfalzeinlage

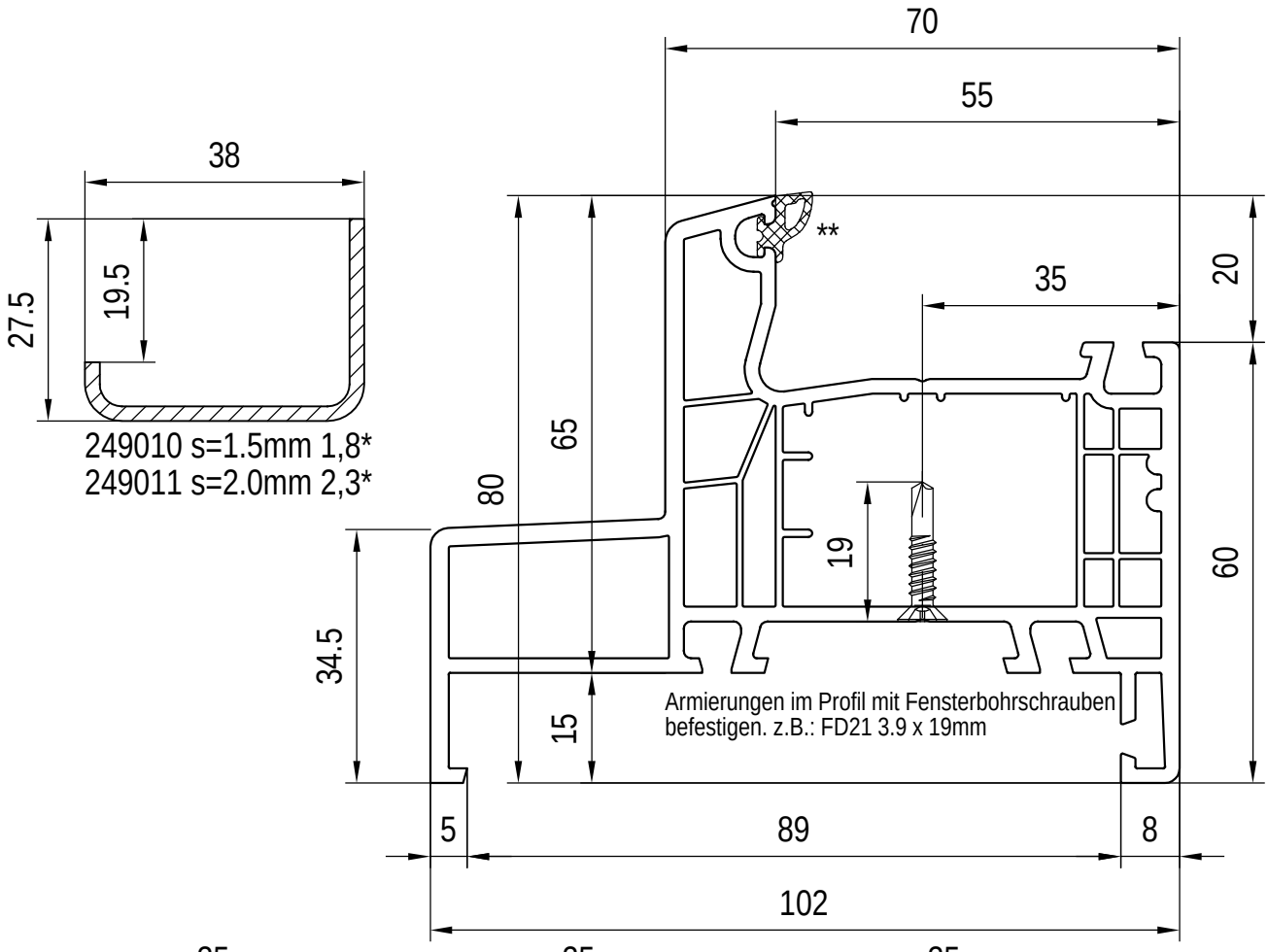


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

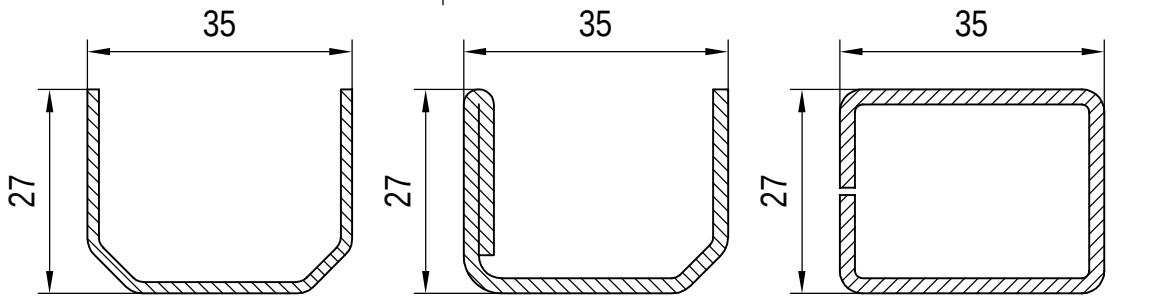
140x14
RAHMEN
65/80 x 102mm
(MB) / MONOBLOCK

frame
dormant
telaio
marco

Classic-line



249010 s=1.5mm 1,8*
249011 s=2.0mm 2,3*

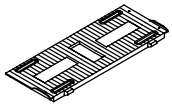


229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*

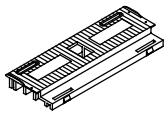
229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*

229029 s=1.25mm 2,4*
229030 s=2.0mm 3,6

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



640301 Glasfalzeinlage

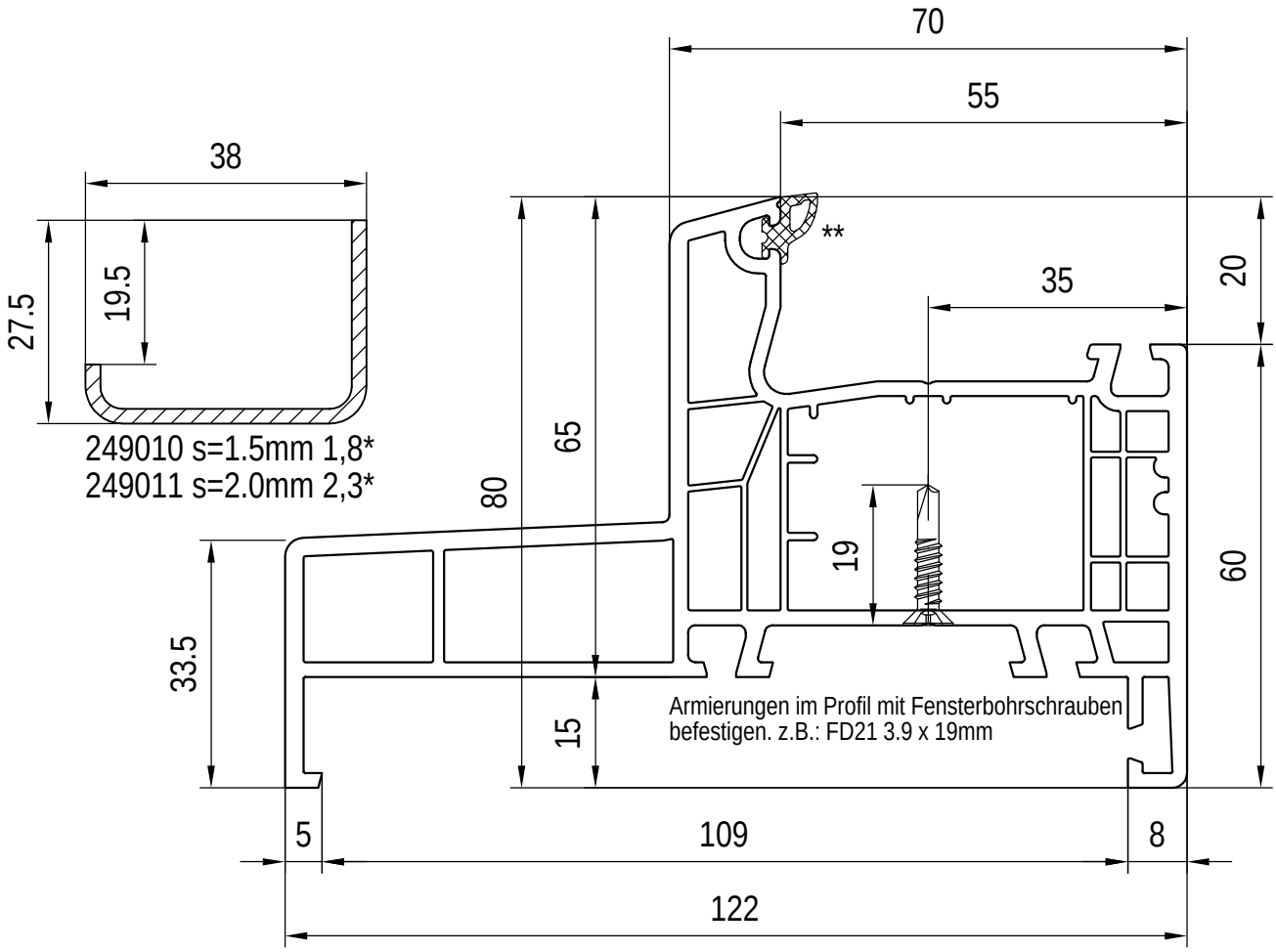


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

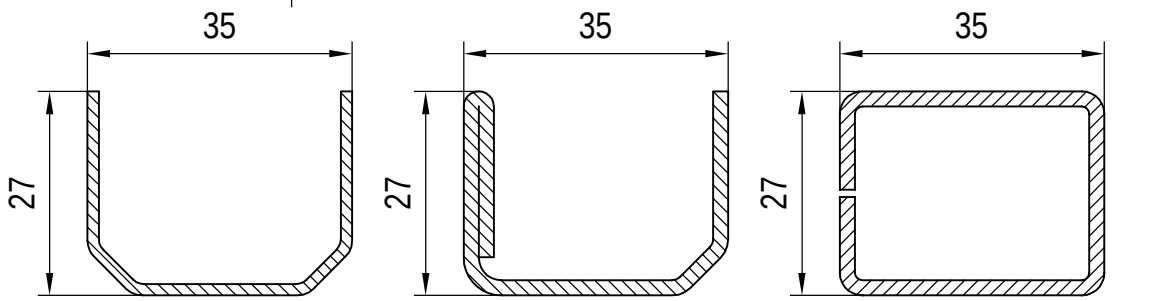
140x16
RAHMEN
65/80 x 122mm
(MB) / MONOBLOCK

frame
dormant
telaio
marco

Classic-line



249010 s=1.5mm 1,8*
249011 s=2.0mm 2,3*

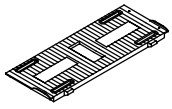


229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*

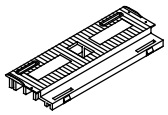
229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*

229029 s=1.25mm 2,4*
229030 s=2.0mm 3,6

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



640301 Glasfalzeinlage

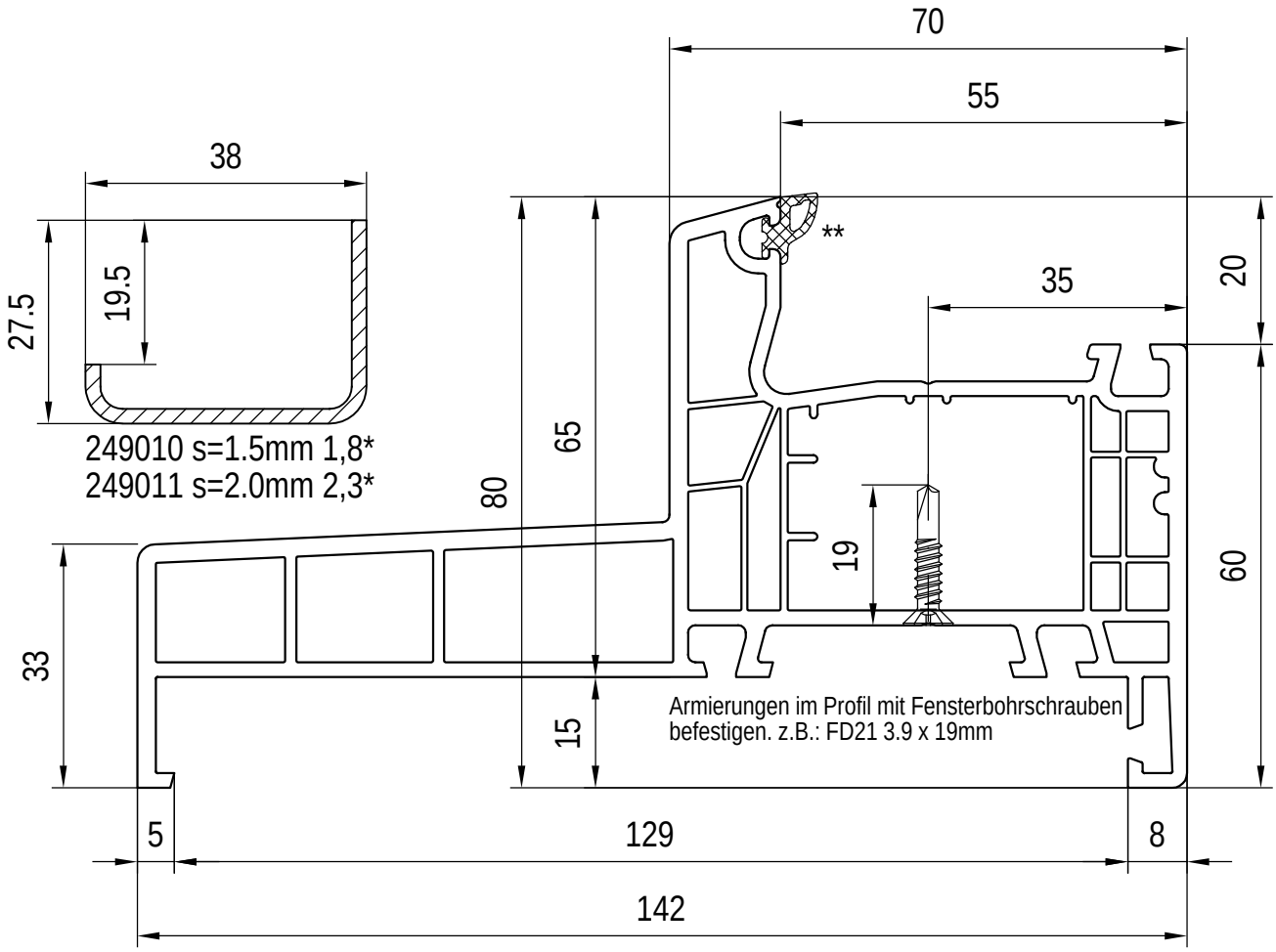


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

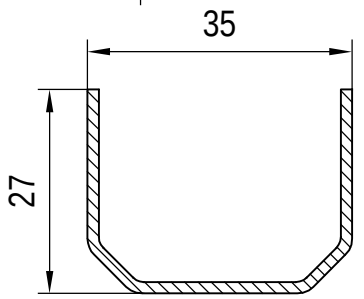
140x18
RAHMEN
65/80 x 142mm
(MB) / MONOBLOCK

frame
dormant
telaio
marco

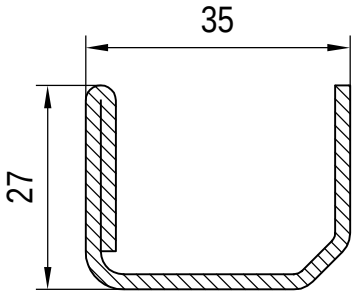
Classic-line



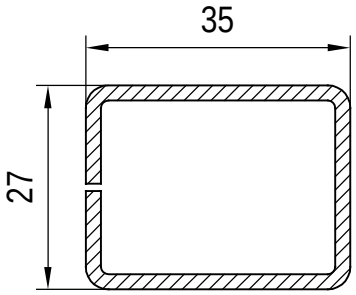
249010 s=1.5mm 1,8*
249011 s=2.0mm 2,3*



229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*

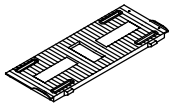


229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*

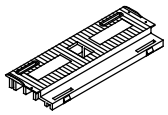


229029 s=1.25mm 2,4*
229030 s=2.0mm 3,6

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



640301 Glasfalzeinlage

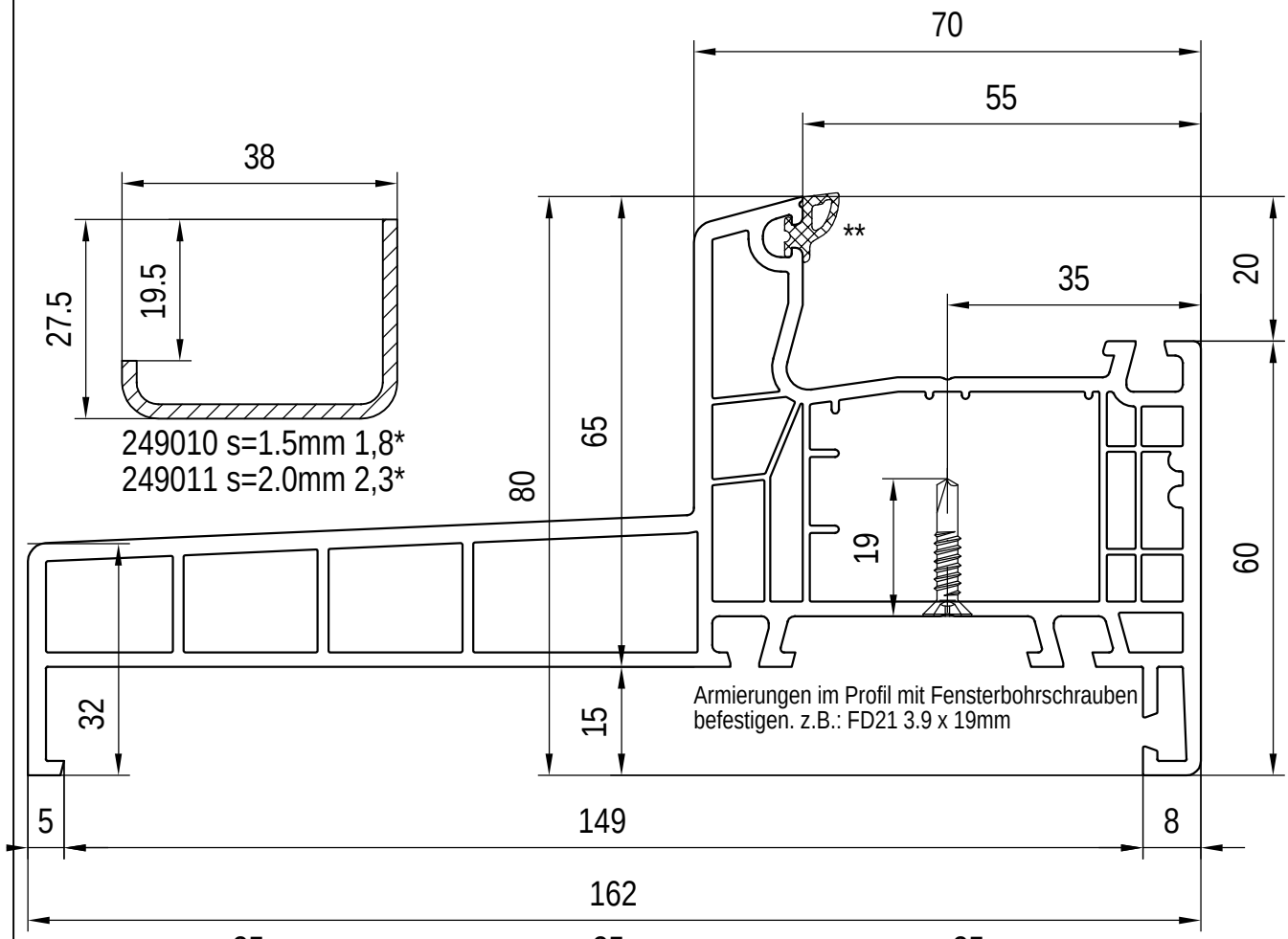


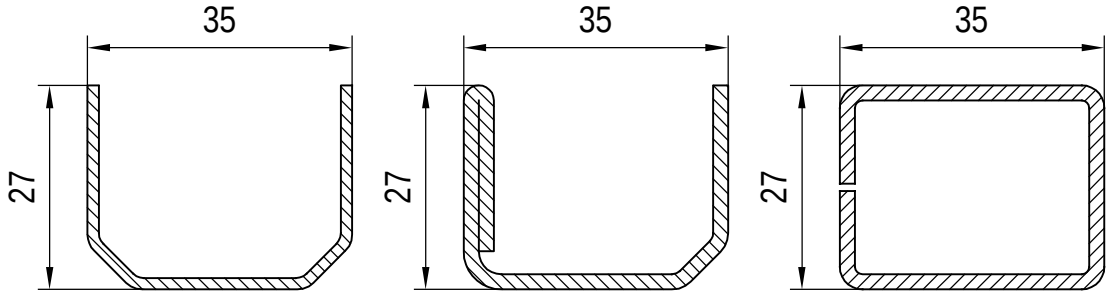
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x19
RAHMEN
65/80 x 162mm
(MB) / MONOBLOCK

frame
dormant
telaio
marco

Classic-line





249010 s=1.5mm 1,8*
249011 s=2.0mm 2,3*

229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*

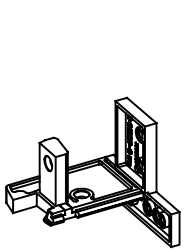
229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*

229029 s=1.25mm 2,4*
229030 s=2.0mm 3,6

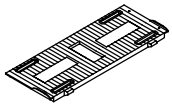
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x02
RAHMEN
70mm

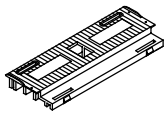
frame
dormant
telaio
marco
Classic-line



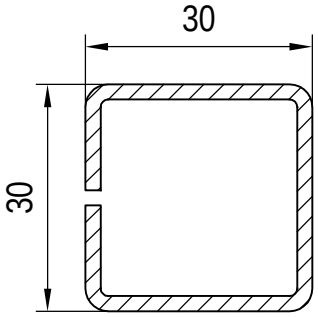
646071 Schwellenhalter
->249059/249060 Schwelle 20/70mm
->269060 Schwelle 20/85mm
->249058 Schwelle 20/120mm



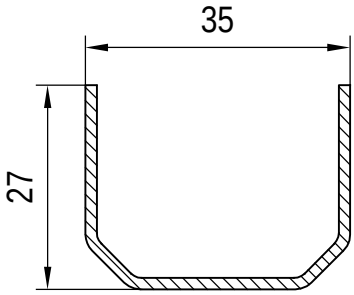
640301 Glasfalzeinlage



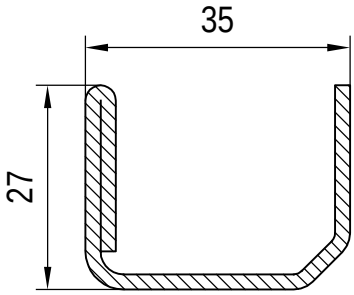
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



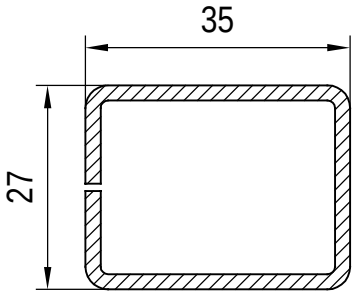
229112 s=1.2mm 1,8*
229113 s=2.0mm 2,7*



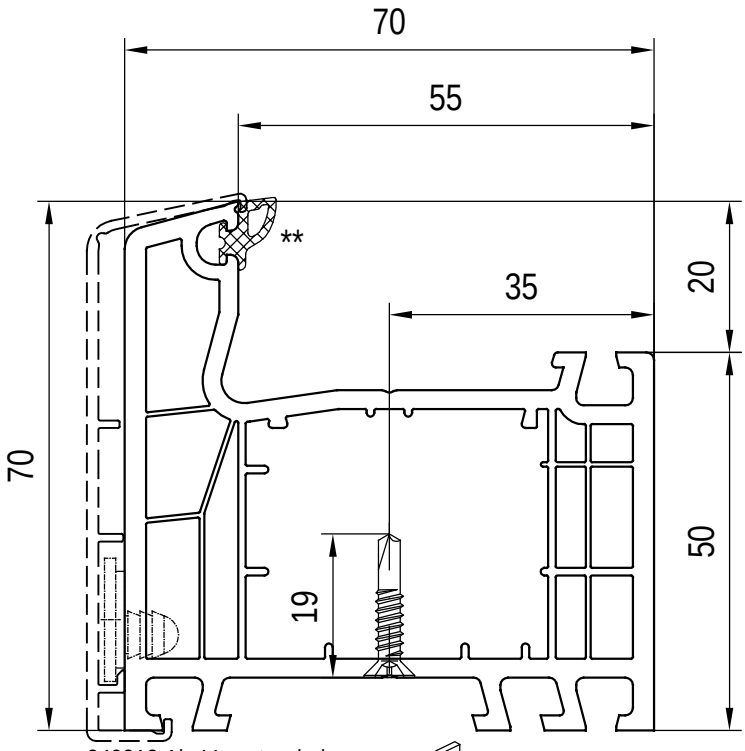
229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*



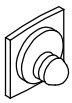
229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*



229029 s=1.25mm 2,4*
229030 s=2.0mm 3,6



249312 Alu-Vorsatzschale
passender Klemnippel: 620020

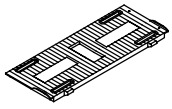


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm

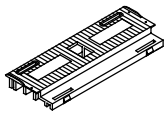
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x07
RAHMEN
70mm

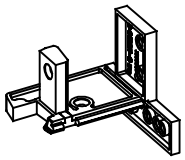
frame
dormant
telaio
marco
Classic-line



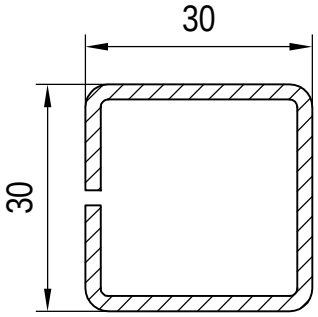
640301 Glasfalzeinlage



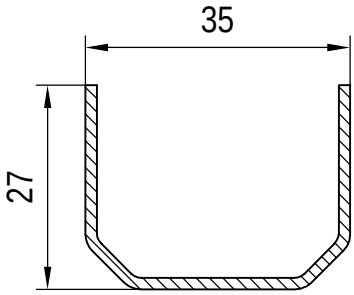
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



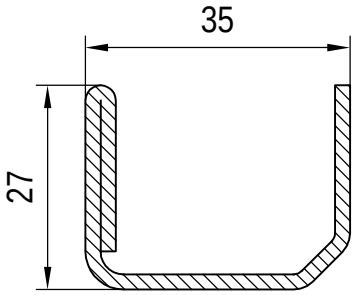
646071 Schwellenhalter
->249059/249060 Schwelle 20/70mm
->269060 Schwelle 20/85mm
->249058 Schwelle 20/120mm



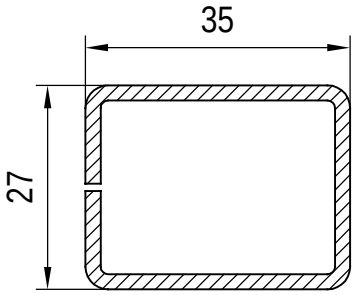
229112 s=1.2mm 1,8*
229113 s=2.0mm 2,7*



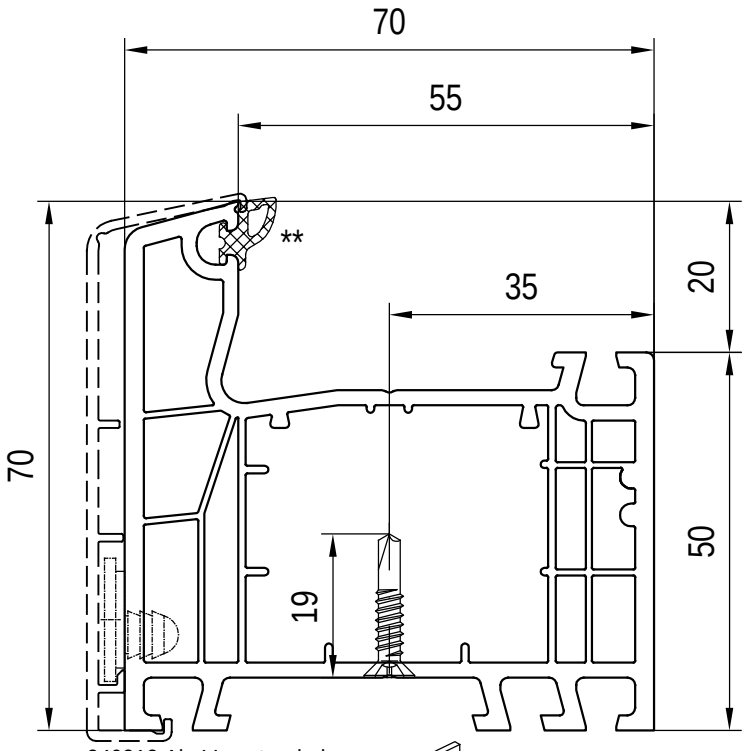
229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*



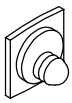
229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*



229029 s=1.25mm 2,4*
229030 s=2.0mm 3,6



249312 Alu-Vorsatzschale
passender Klemnippel: 620020

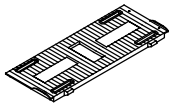


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm

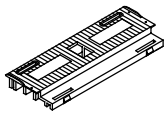
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

040x07
RAHMEN
70mm
faserverstärkt

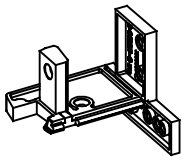
frame
dormant
telaio
marco
Classic-line



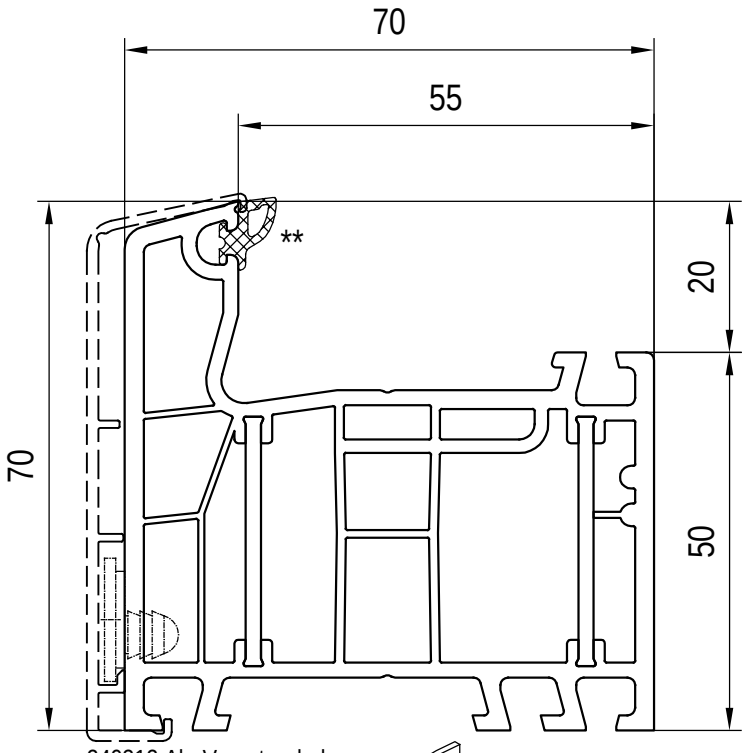
640301 Glasfalzeinlage



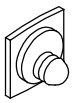
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



646071 Schwellenhalter
->249059/249060 Schwelle 20/70mm
->269060 Schwelle 20/85mm
->249058 Schwelle 20/120mm



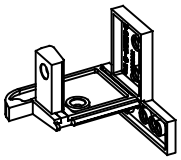
249312 Alu-Vorsatzschale
passender Klemnippel: 620020



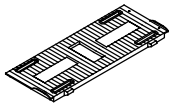
keine Armierungen im Profil erforderlich, da faserverstärkt

140x08
RAHMEN
70mm

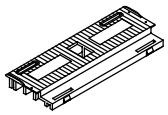
frame
dormant
telaio
marco
Round-line



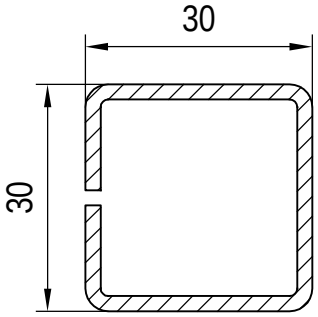
646070 Schwellenhalter
->249059/249060 Schwelle 20/70mm
->269060 Schwelle 20/85mm
->249058 Schwelle 20/120mm



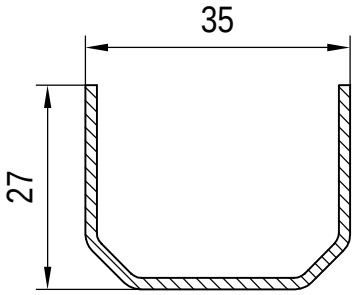
640301 Glasfalzeinlage



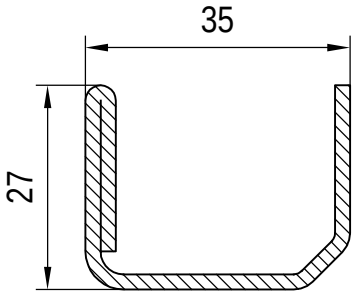
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



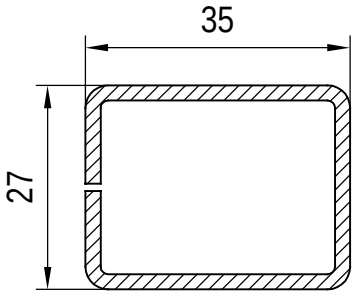
229112 s=1.2mm 1,8*
229113 s=2.0mm 2,7*



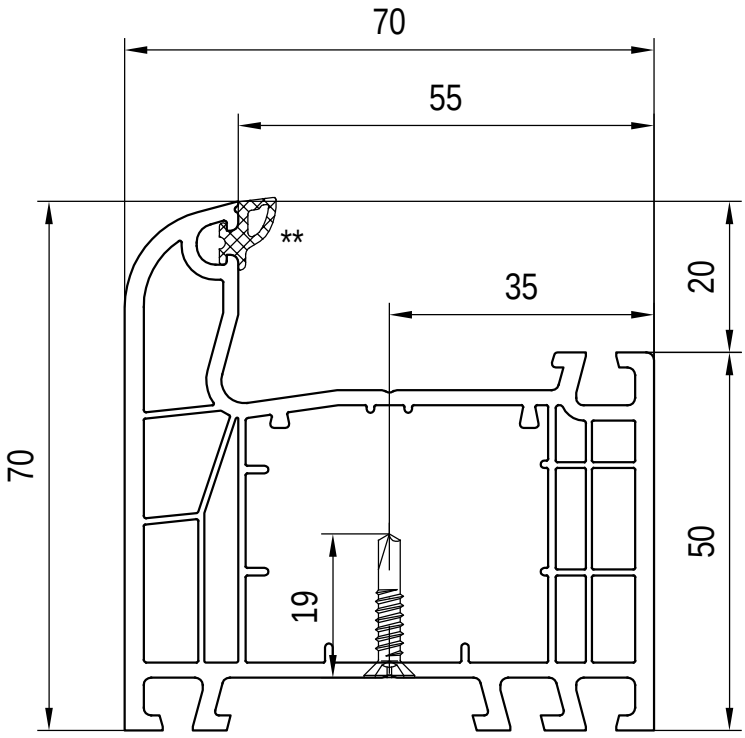
229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*



229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*



229029 s=1.25mm 2,4*
229030 s=2.0mm 3,6

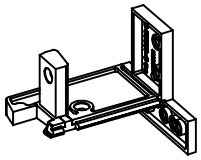


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm

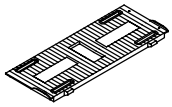
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x03
RAHMEN
80mm

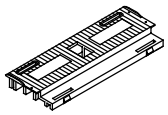
frame
dormant
telaio
marco
Classic-line



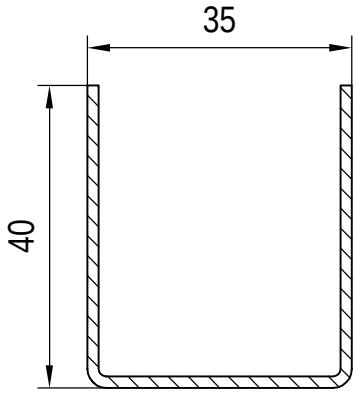
646072 Schwellenhalter
->249059/249060 Schwelle 20/70mm
->269060 Schwelle 20/85mm
->249058 Schwelle 20/120mm



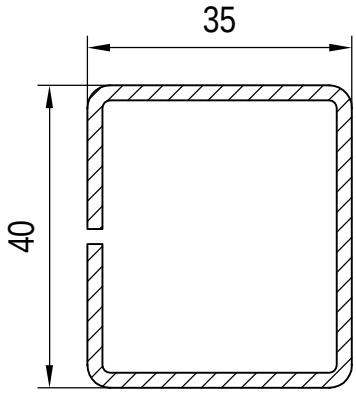
640301 Glasfalzeinlage



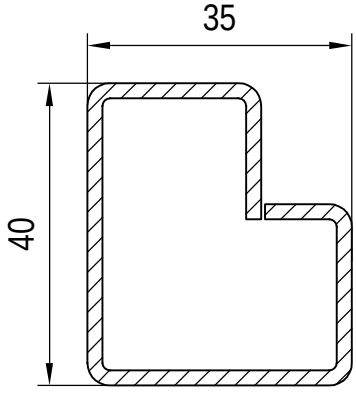
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



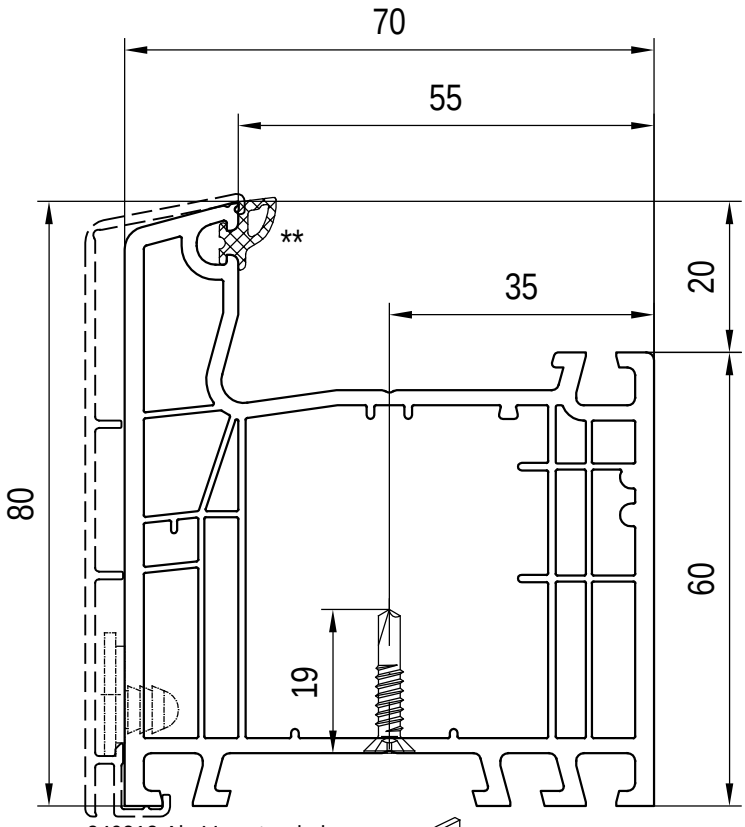
229017 s=1.5mm 3,7*



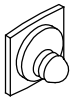
229114 s=1.5mm 3,9*
229115 s=2.0mm 5,0*



229120 s=2.0mm 4,2*

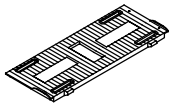


249313 Alu-Vorsatzschale
passender Klemnippel: 620020

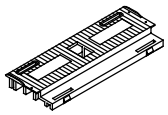


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



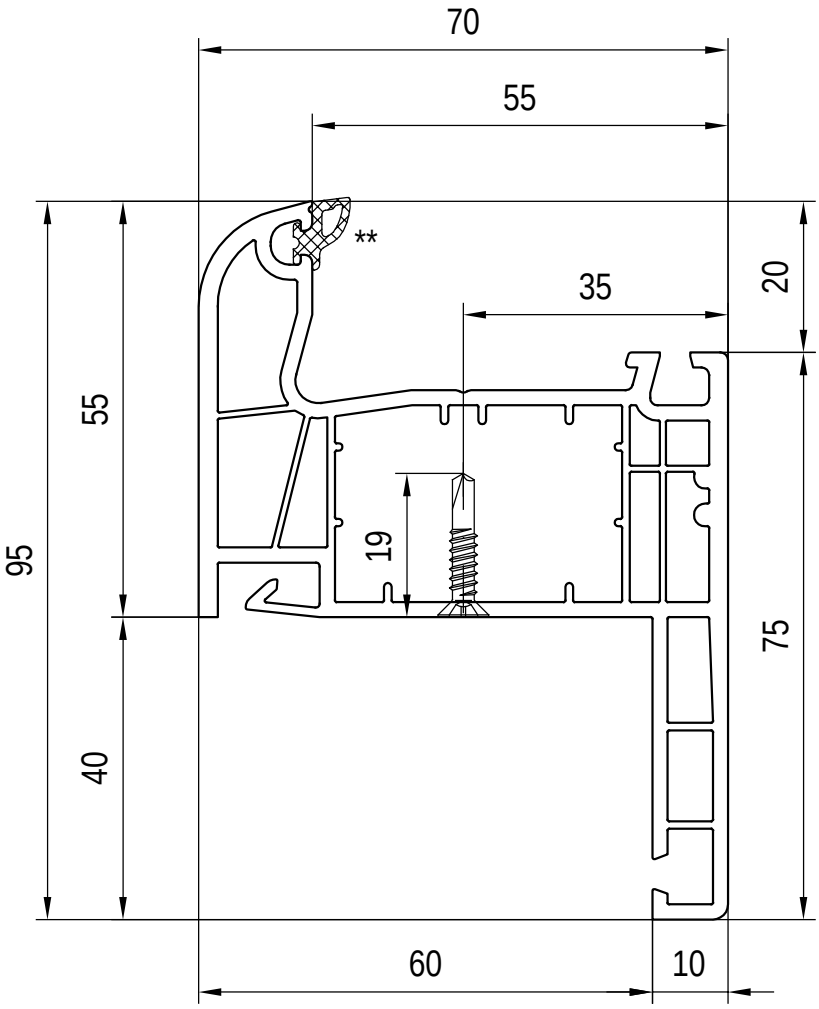
640301 Glasfalzeinlage



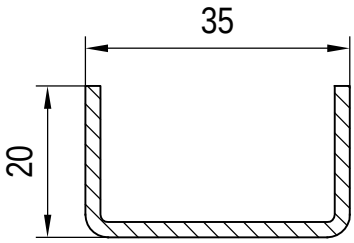
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x13
RAHMEN
95mm
ALTBAU

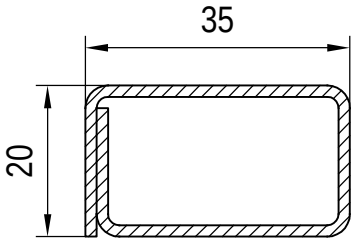
frame
dormant
telaio
marco
Round-line



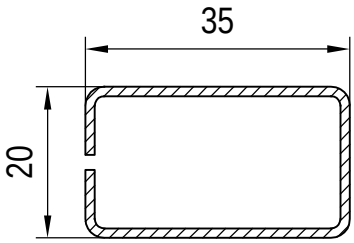
Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm



249004 s=2.0mm 2,5*

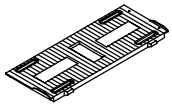


229098 s=2.5mm 4,0*
229101 s=1.5mm 2,8*

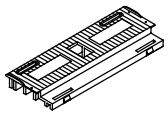


229100 s=1.25mm 1,9*

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



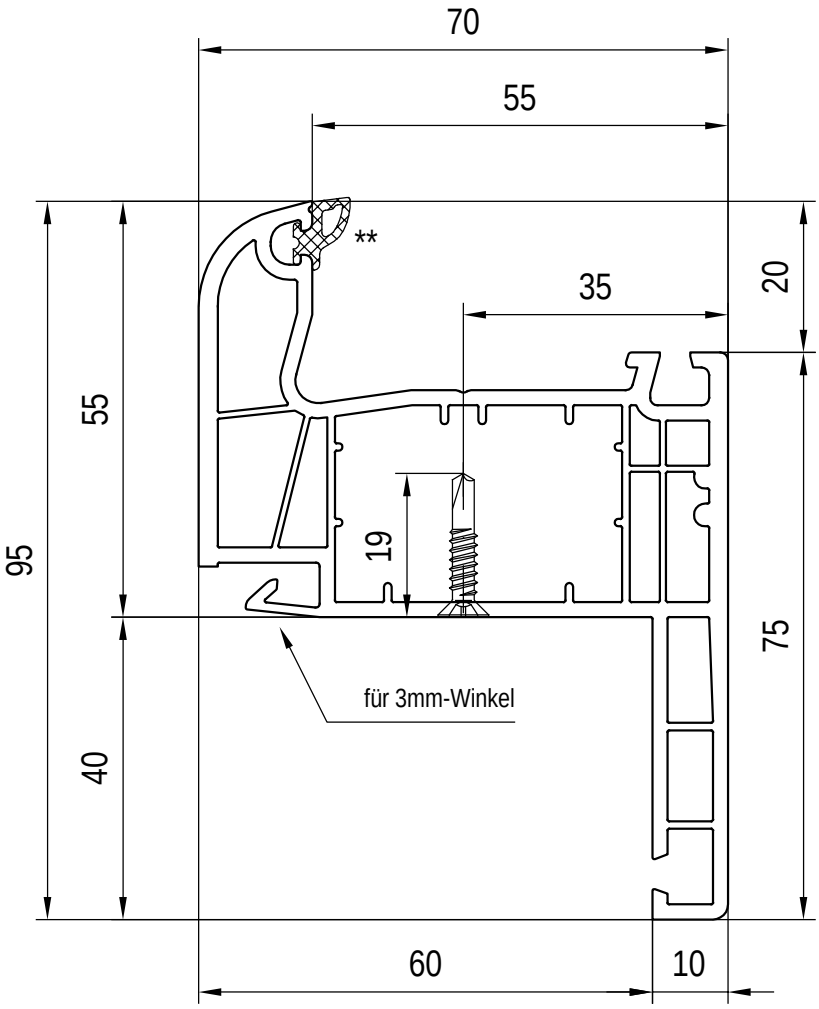
640301 Glasfalzeinlage



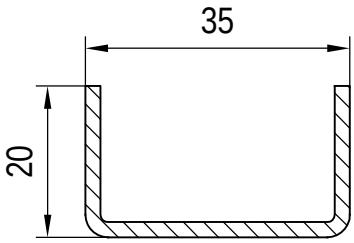
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x11
RAHMEN
95mm
ALTBAU

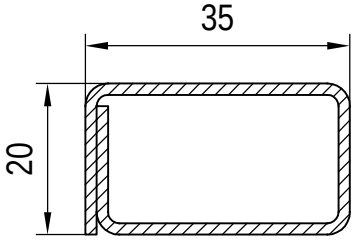
frame
dormant
telaio
marco
Round-line



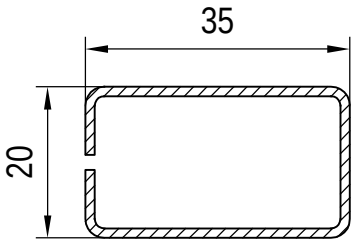
Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm



249004 s=2.0mm 2,5*

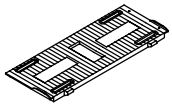


229098 s=2.5mm 4,0*
229101 s=1.5mm 2,8*

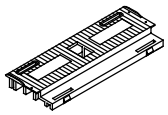


229100 s=1.25mm 1,9*

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



640301 Glasfalzeinlage

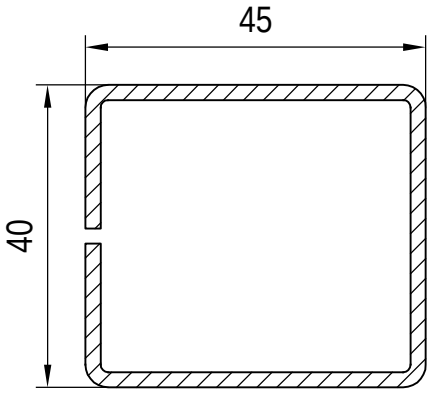


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

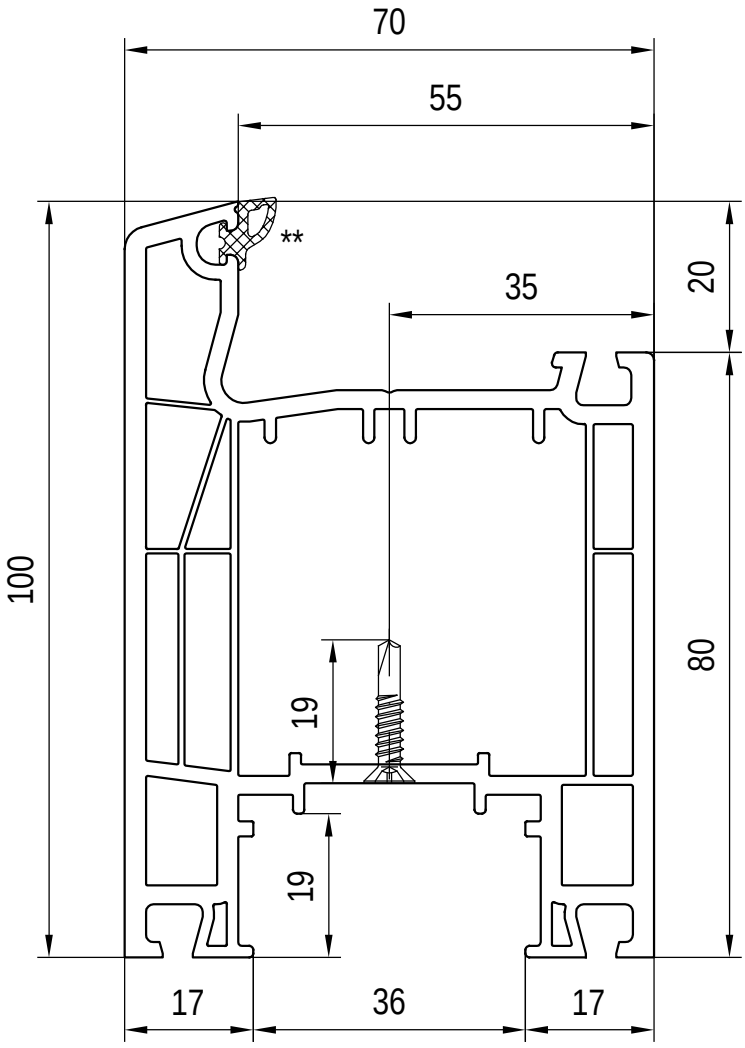
140x81
RAHMEN
100mm

frame
dormant
telaio
marco

Classic-line

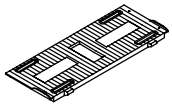


249034 s=1.25mm 6,0*
249035 s=2.0mm 9,1*

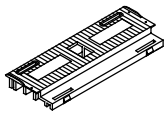


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



640301 Glasfalzeinlage

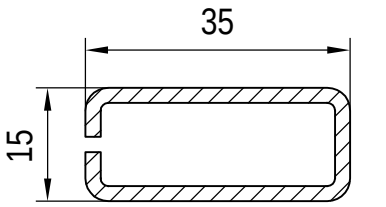


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

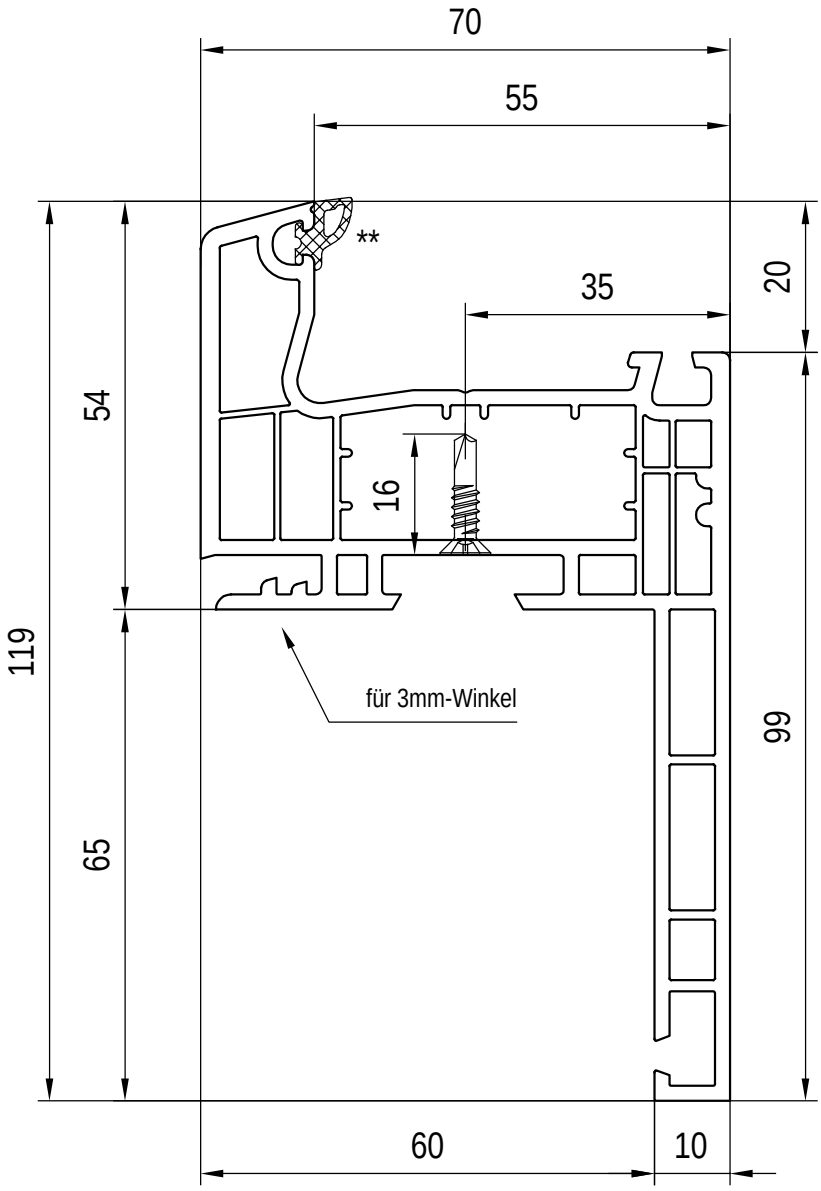
140x10
RAHMEN
119mm
ALTBAU

frame
dormant
telaio
marco

Classic-line

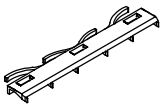


229110 s=1.5mm 1,8*
229111 s=2.0mm 2,3*



Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 16mm

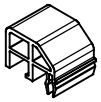
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



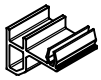
Falz-Stützelement
645234 (4.5mm schwarz)



Stützelement
640033 (3mm rot)
640034 (4mm gelb)
640035 (5mm grün)



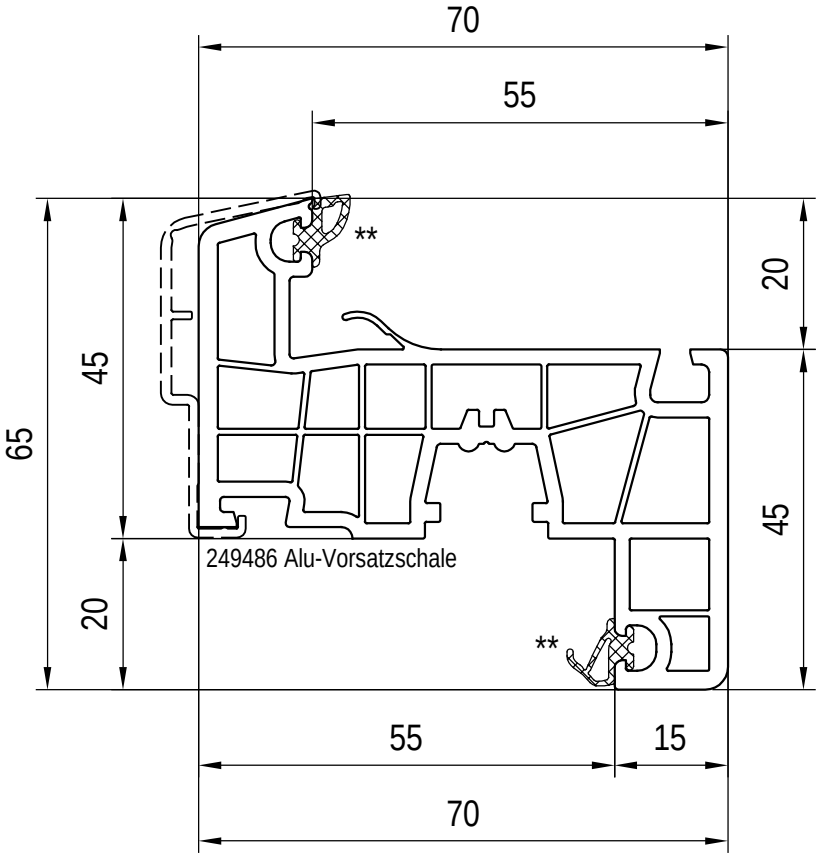
Distanzklotz
640015 (12mm weiß)
640014 (13mm rot)
640019 (14mm gelb)



Distanzklotz
640113 (13mm rot)
640114 (14mm gelb)

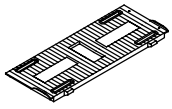
140x86
FLÜGEL
fv. 65mm
Scheibenverklebung

sash
ouvrant
anta
hoja
Classic-line

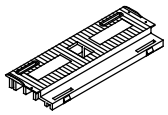


* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

Hauptprofile: Flügel
Flügel, fv. 65mm, Scheibenverklebung: 140x86



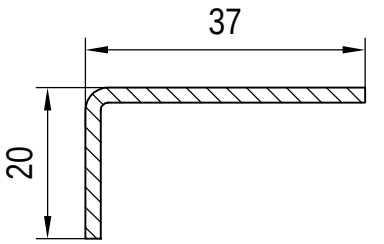
640301 Glasfalzeinlage



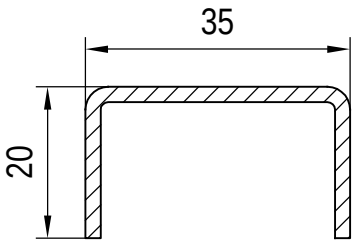
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x21
FLÜGEL
fv. 72mm

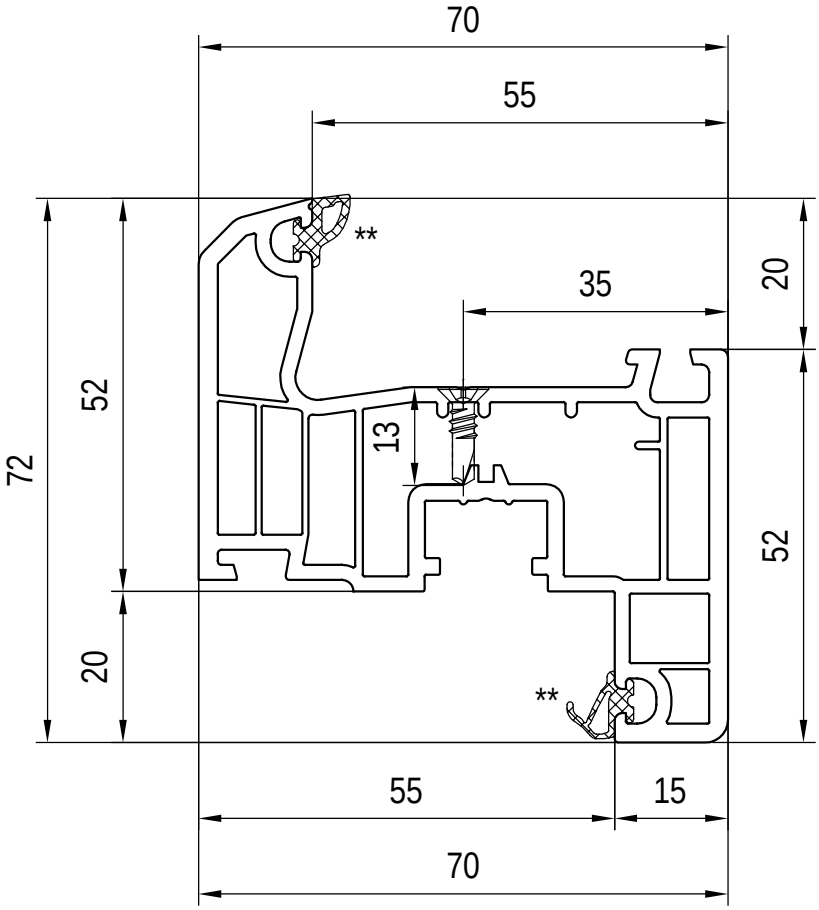
sash
ouvrant
anta
hoja
Soft-line



249024 s=2.0mm 1,5*



249004 s=2.0mm 2,5*



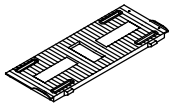
Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FDM2 M4 x 13mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

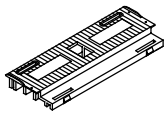
Hauptprofile: Flügel
Flügel, fv. 72mm: 140x21

140x20
FLÜGEL
fv. 77mm

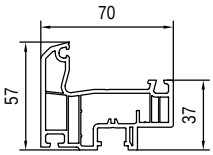
sash
ouvrant
anta
hoja
Soft-line



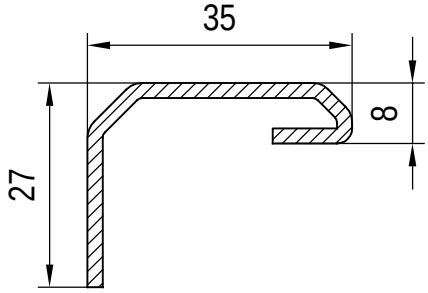
640301 Glasfalzeinlage



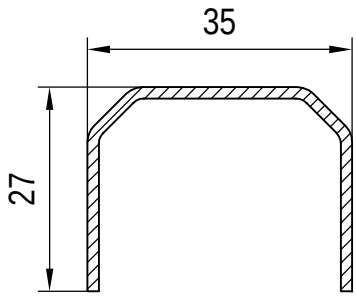
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



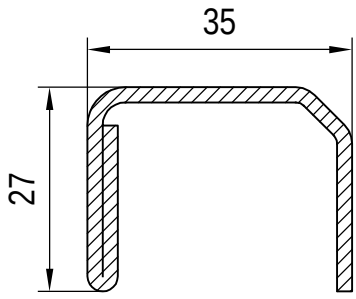
140x76
passender Stulpflügel



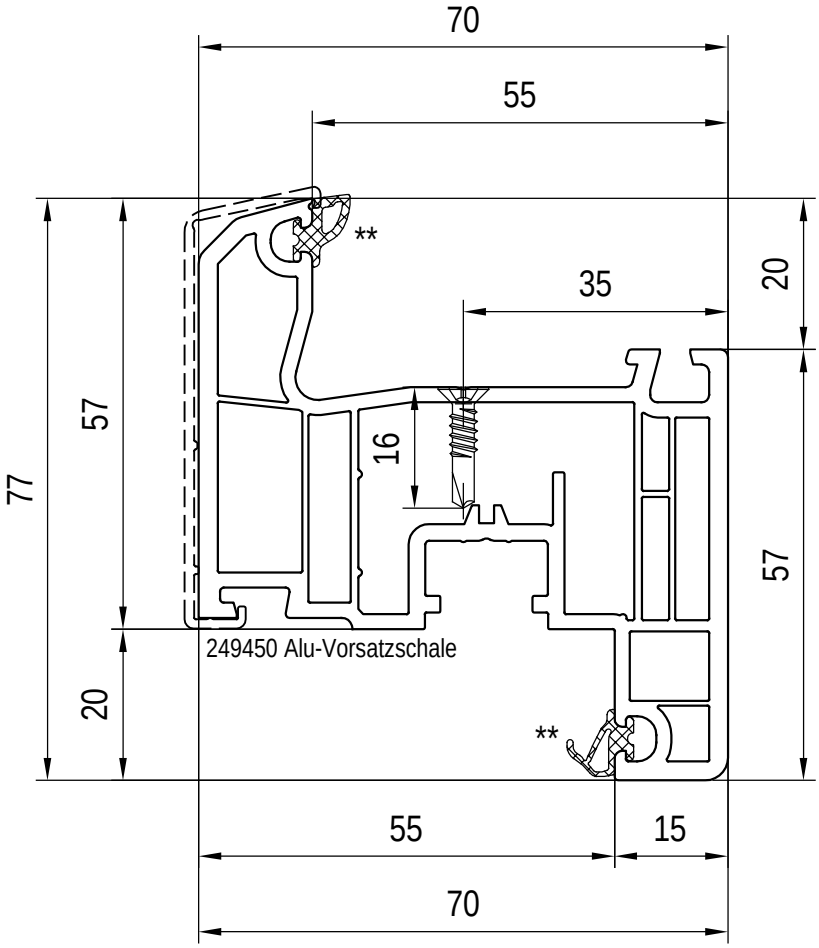
229027 s=1.5mm 1,6*
229028 s=2.0mm 2,1*



229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*

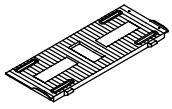


229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*

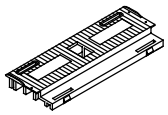


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 16mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



640301 Glasfalzeinlage

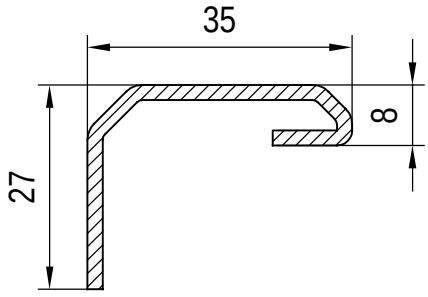


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

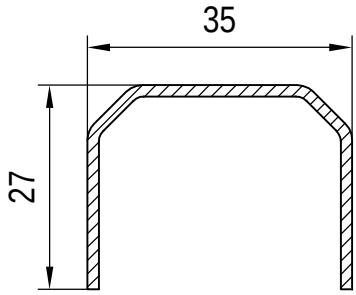
140x26
FLÜGEL
hfv. 77mm

sash
ouvrant
anta
hoja

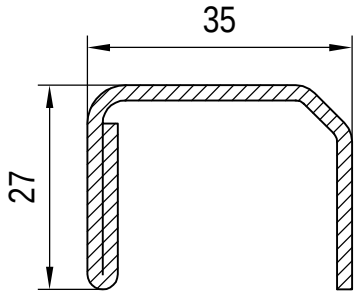
Classic-line



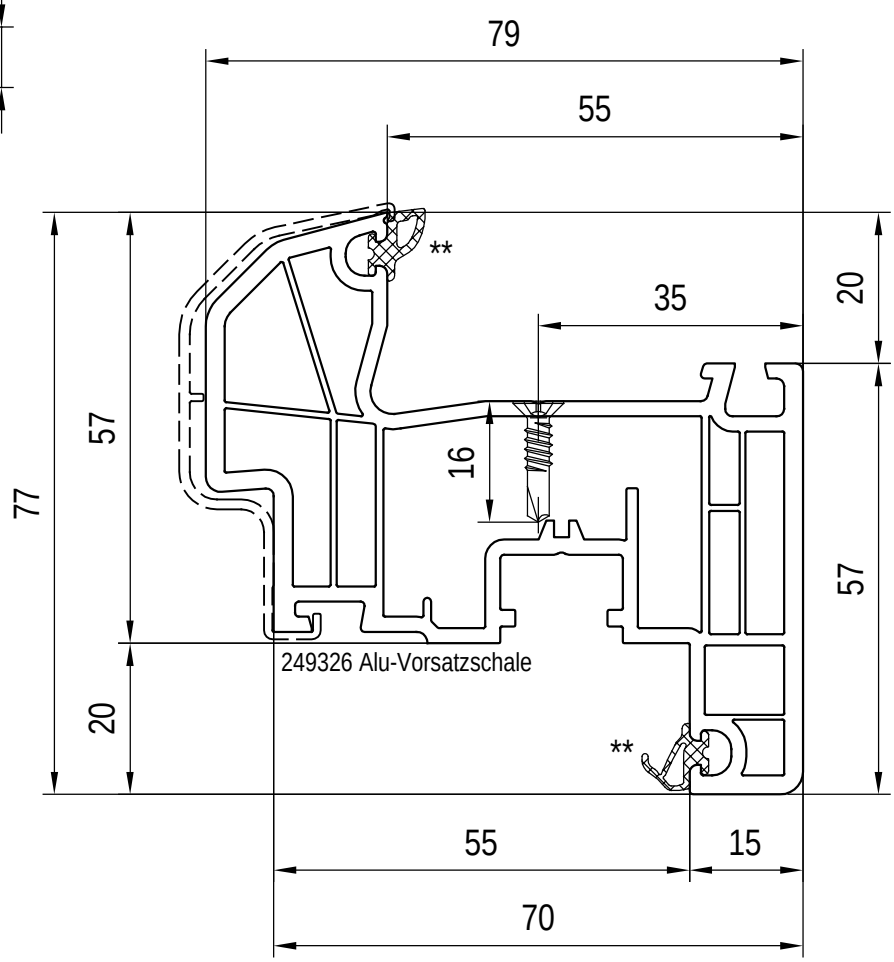
229027 s=1.5mm 1,6*
229028 s=2.0mm 2,1*



229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*



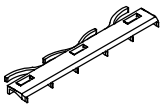
229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*



249326 Alu-Vorsatzschale

Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 16mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

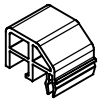
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



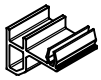
Falz-Stützelement
645234 (4.5mm schwarz)



Stützelement
640033 (3mm rot)
640034 (4mm gelb)
640035 (5mm grün)



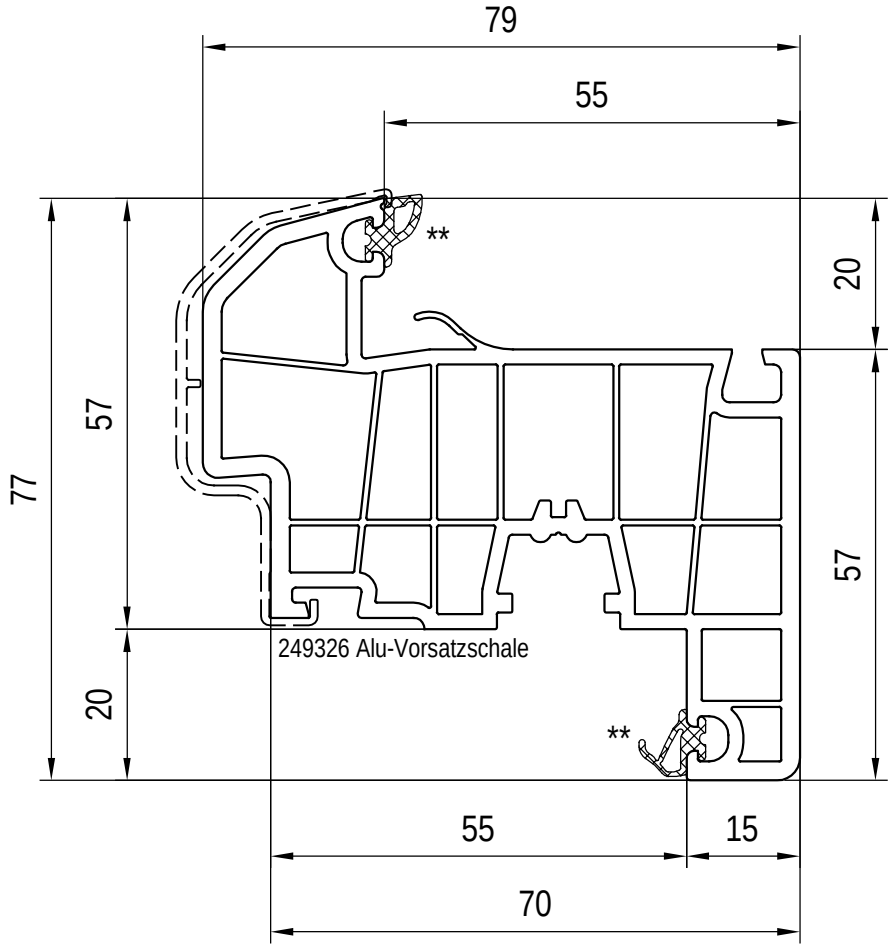
Distanzklotz
640015 (12mm weiß)
640014 (13mm rot)
640019 (14mm gelb)



Distanzklotz
640113 (13mm rot)
640114 (14mm gelb)

140x85
FLÜGEL
hfv. 77mm
Scheibenverklebung

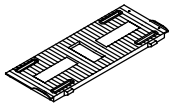
sash
ouvrant
anta
hoja
Classic-line



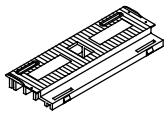
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x22
FLÜGEL
hfv. 77mm

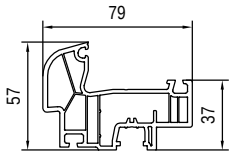
sash
ouvrant
anta
hoja
Round-line



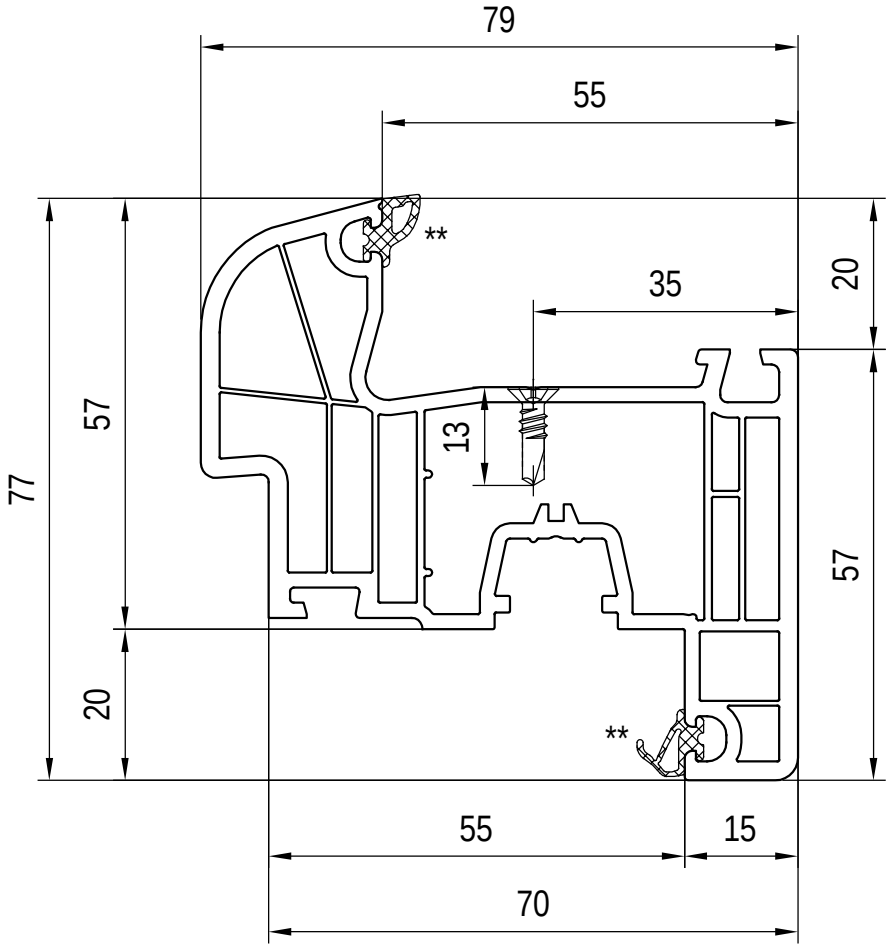
640301 Glasfalzeinlage



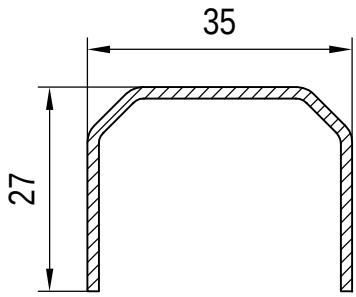
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



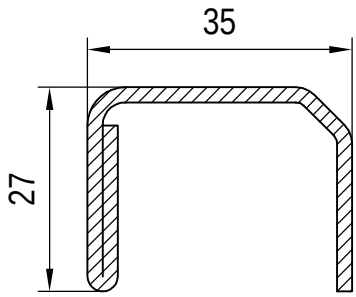
140x82
passender Stulpflügel



Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FDM2 M4 x 13mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

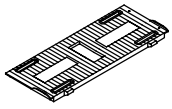


229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*

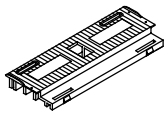


229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



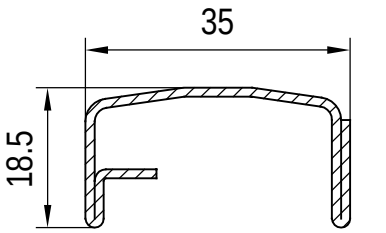
640301 Glasfalzeinlage



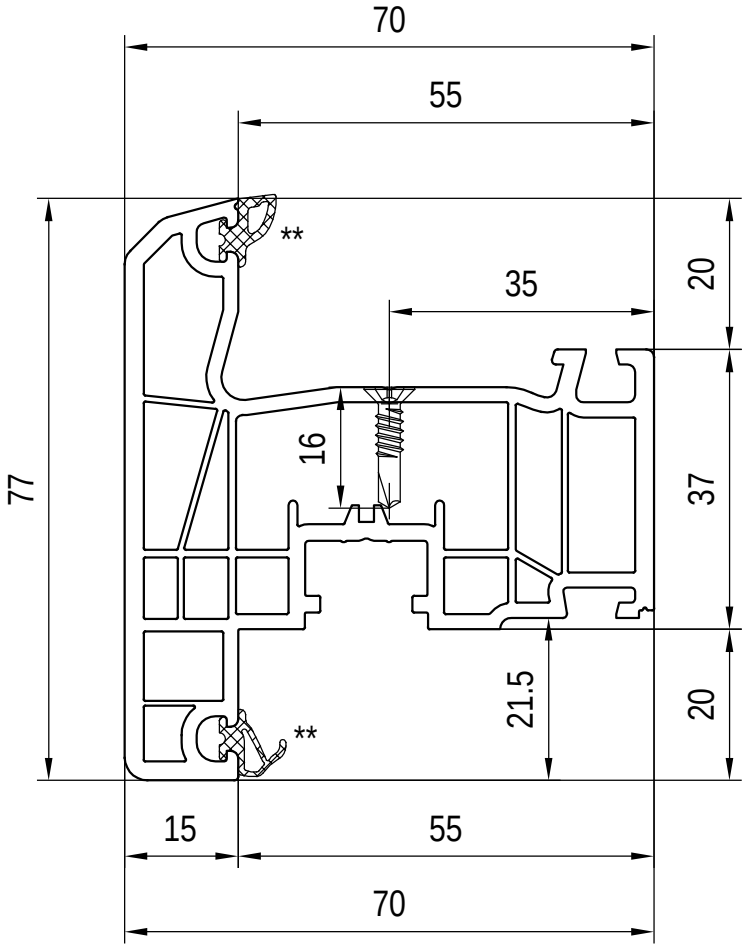
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x37
FLÜGEL
fv. 77mm
außenaufgehend

sash
ouvrant
anta
hoja
Soft-line

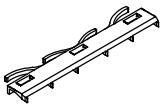


249037 s=1.2mm 2,1*



Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 16mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

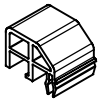
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



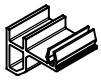
Falz-Stützelement
645234 (4.5mm schwarz)



Stützelement
640033 (3mm rot)
640034 (4mm gelb)
640035 (5mm grün)



Distanzklotz
640015 (12mm weiß)
640014 (13mm rot)
640019 (14mm gelb)

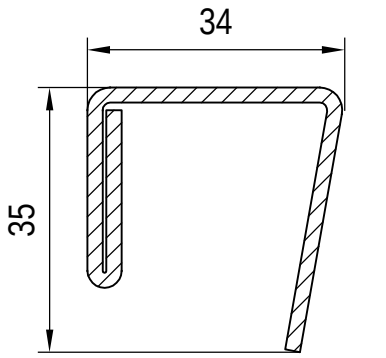


Distanzklotz
640113 (13mm rot)
640114 (14mm gelb)

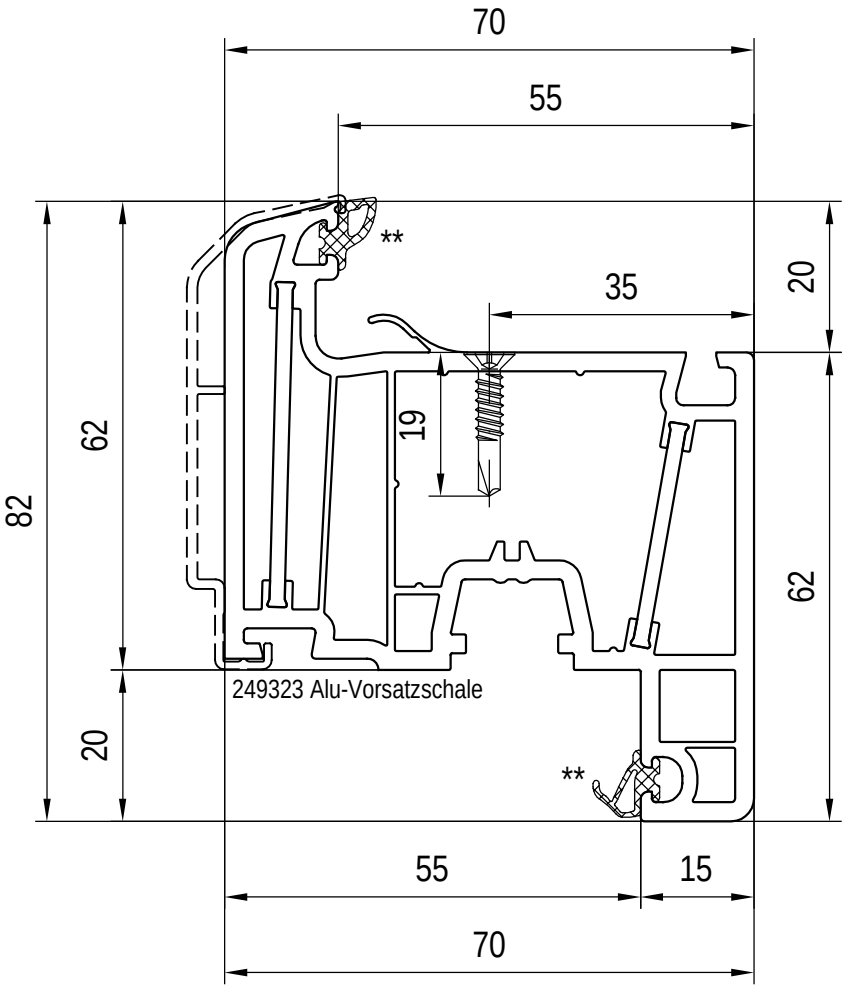
040x83
FLÜGEL
fv. 82mm
Scheibenverklebung
faserverstärkt

sash
ouvrant
anta
hoja

Classic-line



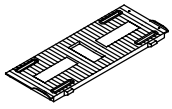
259083 s=2.0mm 3,6*



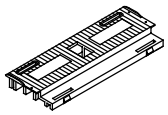
Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

Faserverstärktes Profil (powerdur inside) Armierungen nur als zusätzliche Option

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



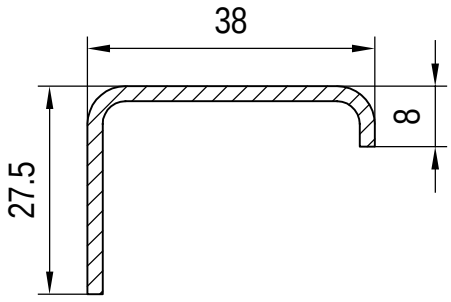
640301 Glasfalzeinlage



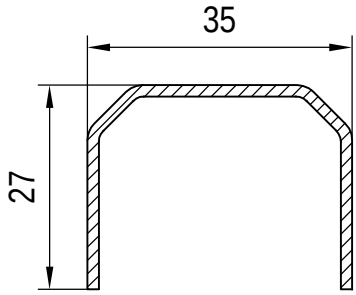
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x23
FLÜGEL
fv. 82mm

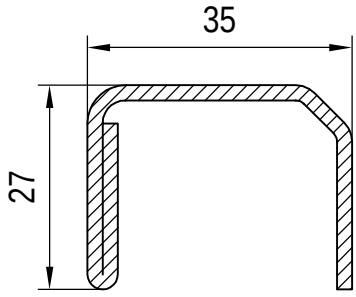
sash
ouvrant
anta
hoja
Soft-line



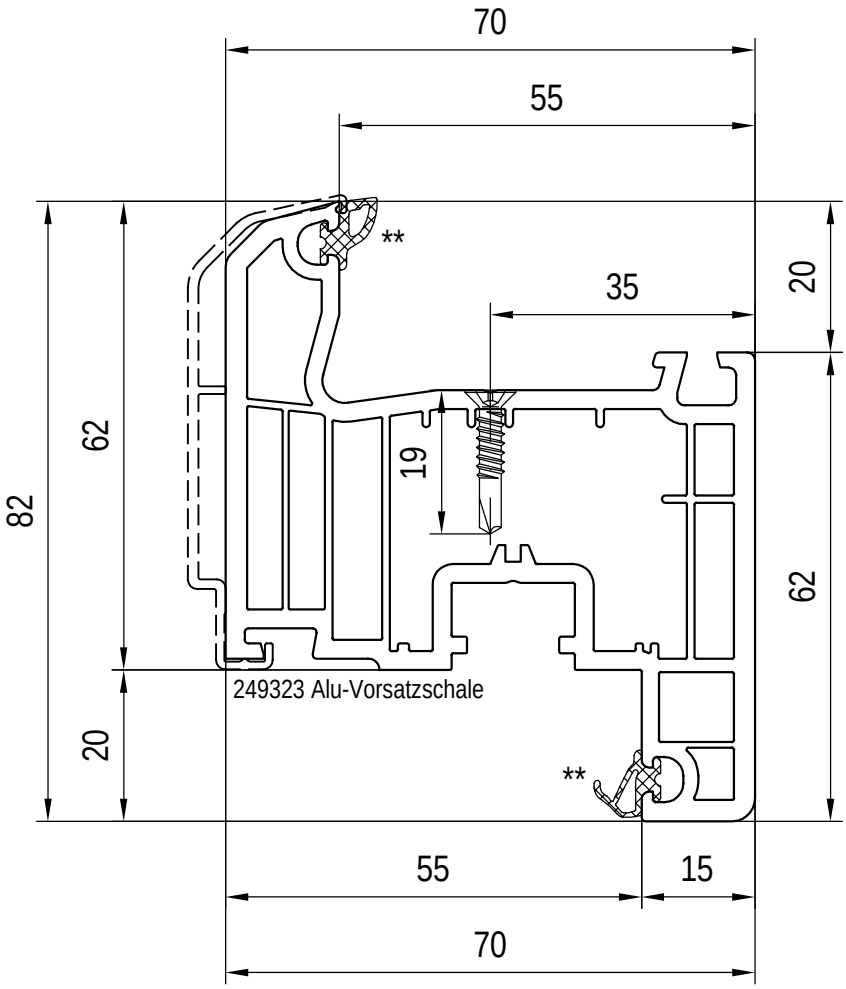
249010 s=1.5mm 1,8*
249011 s=2.0mm 2,3*



229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*

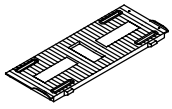


229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*

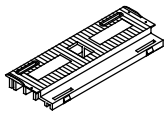


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



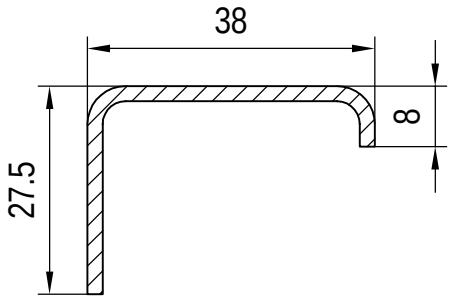
640301 Glasfalzeinlage



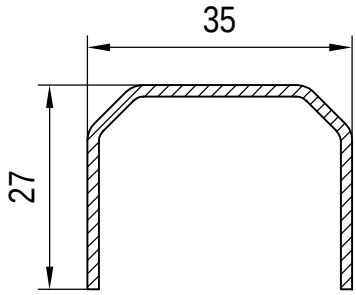
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x25
FLÜGEL
hfv. 82mm

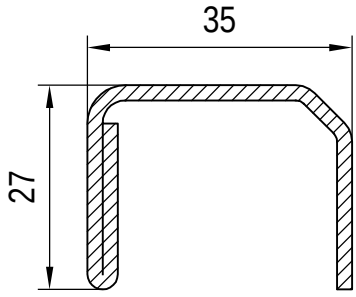
sash
ouvrant
anta
hoja
Classic-line



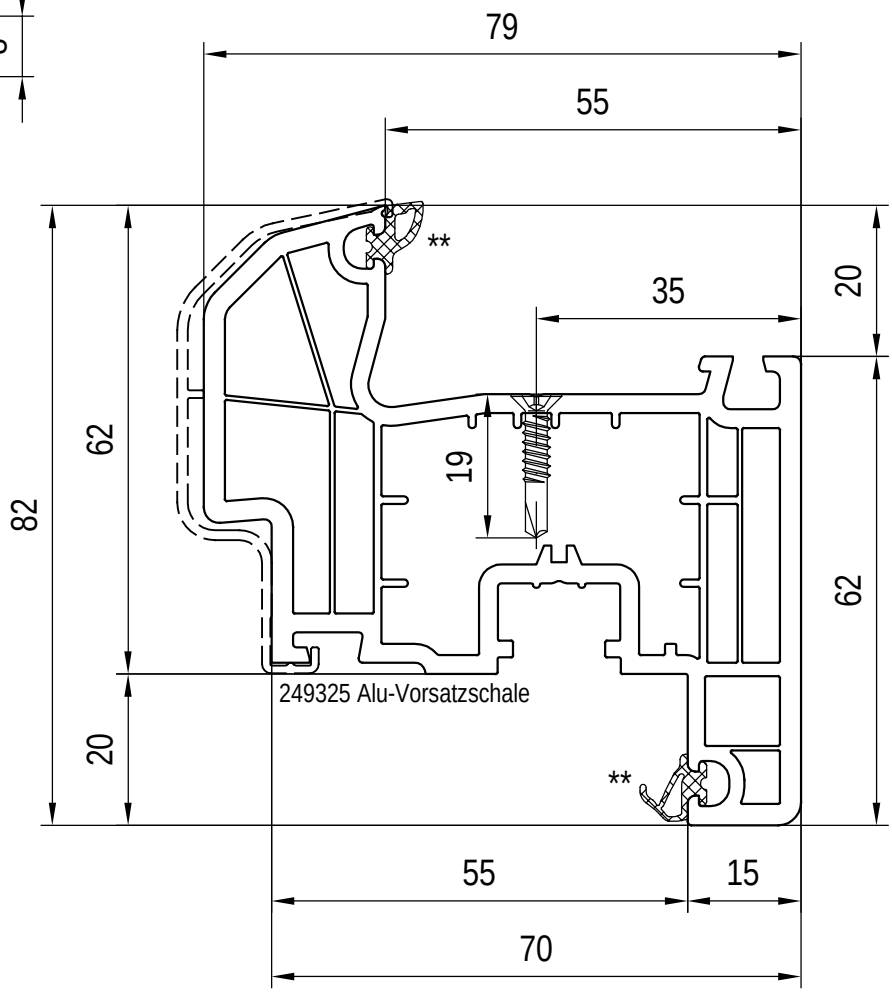
249010 s=1.5mm 1,8*
249011 s=2.0mm 2,3*



229023 s=1.5mm 2,3*
229025 s=1.0mm 1,6*



229024 s=1.5mm 2,9*
229026 s=2.0mm 3,8*
249026 s=3.0mm 5,1*

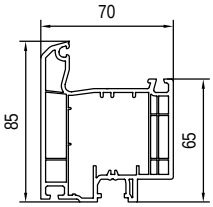


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

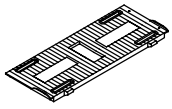
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x30
FLÜGEL
fv. 105mm

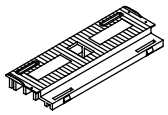
sash
ouvrant
anta
hoja
Soft-line



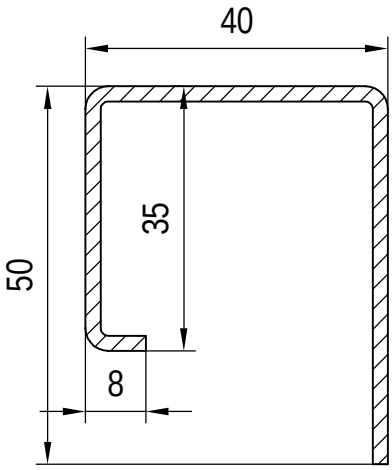
140x77
passender Stulpflügel



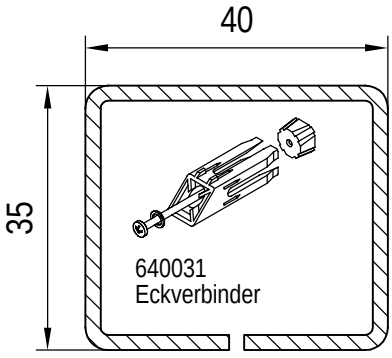
640301 Glasfalzeinlage



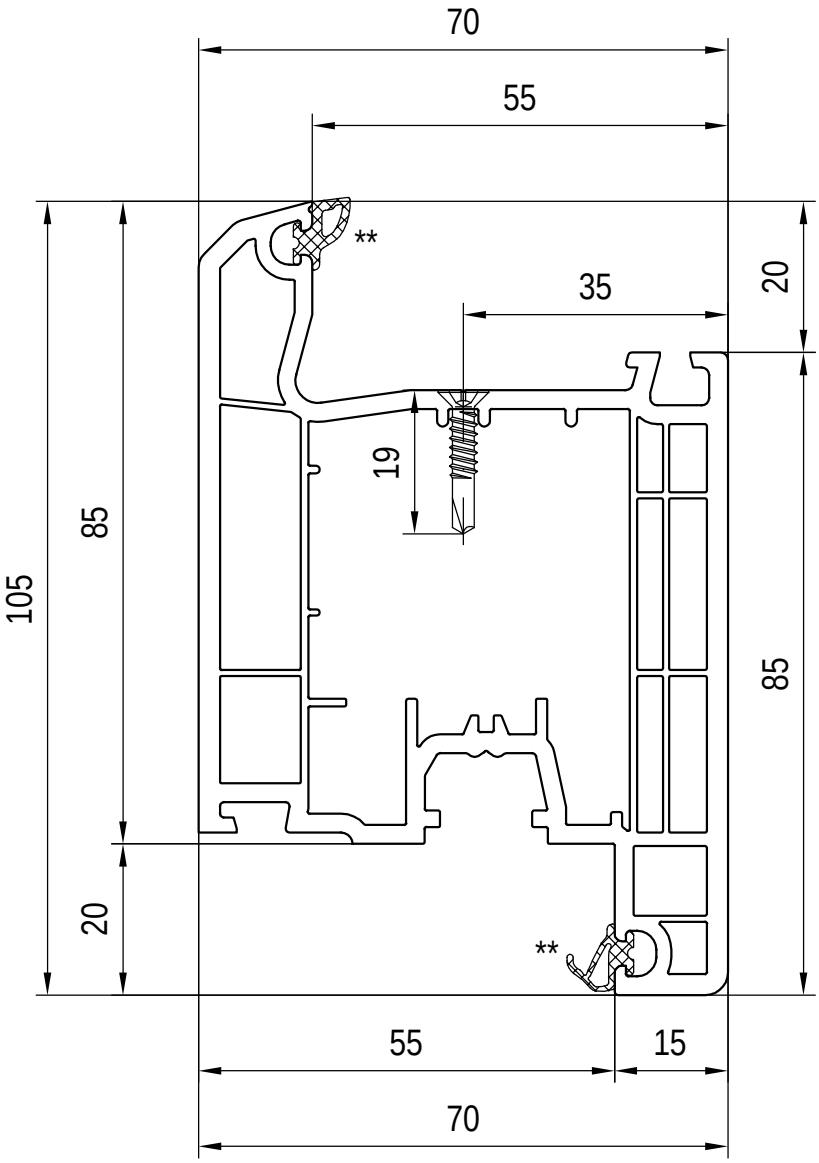
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



249031 s=2.0mm 6,9*

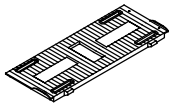


229114 s=1.5mm 4,9*
229115 s=2.0mm 6,3*

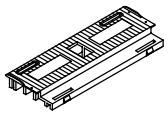


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



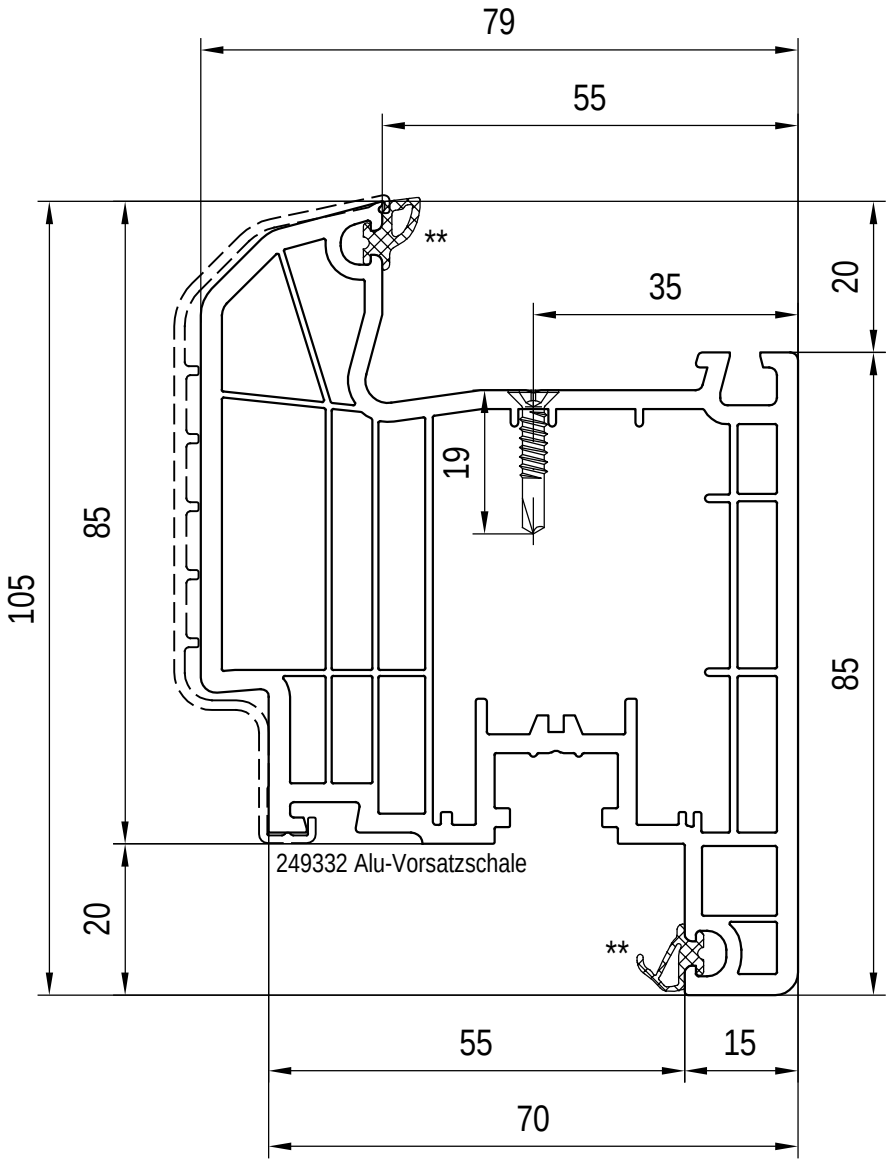
640301 Glasfalzeinlage

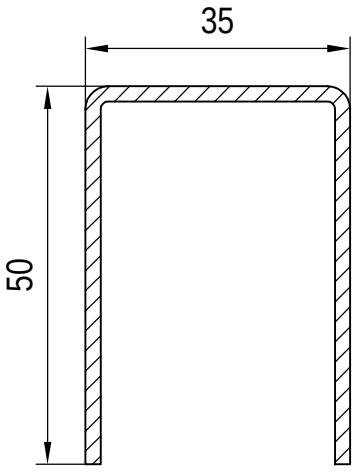


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

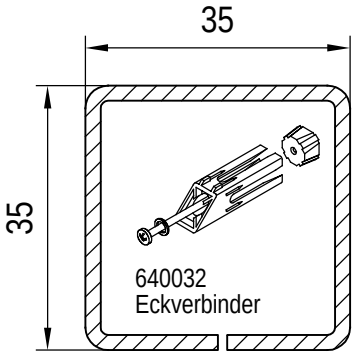
140x32
FLÜGEL
hfv. 105mm

sash
ouvrant
anta
hoja
Classic-line





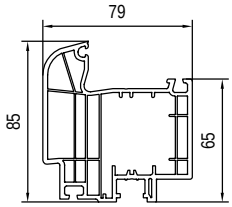
249007 s=2.0mm 4,7*



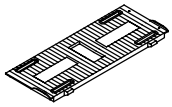
249009 s=2.0mm 4,5*

Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

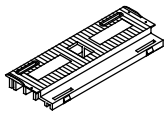
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



140x84
passender Stulpflügel



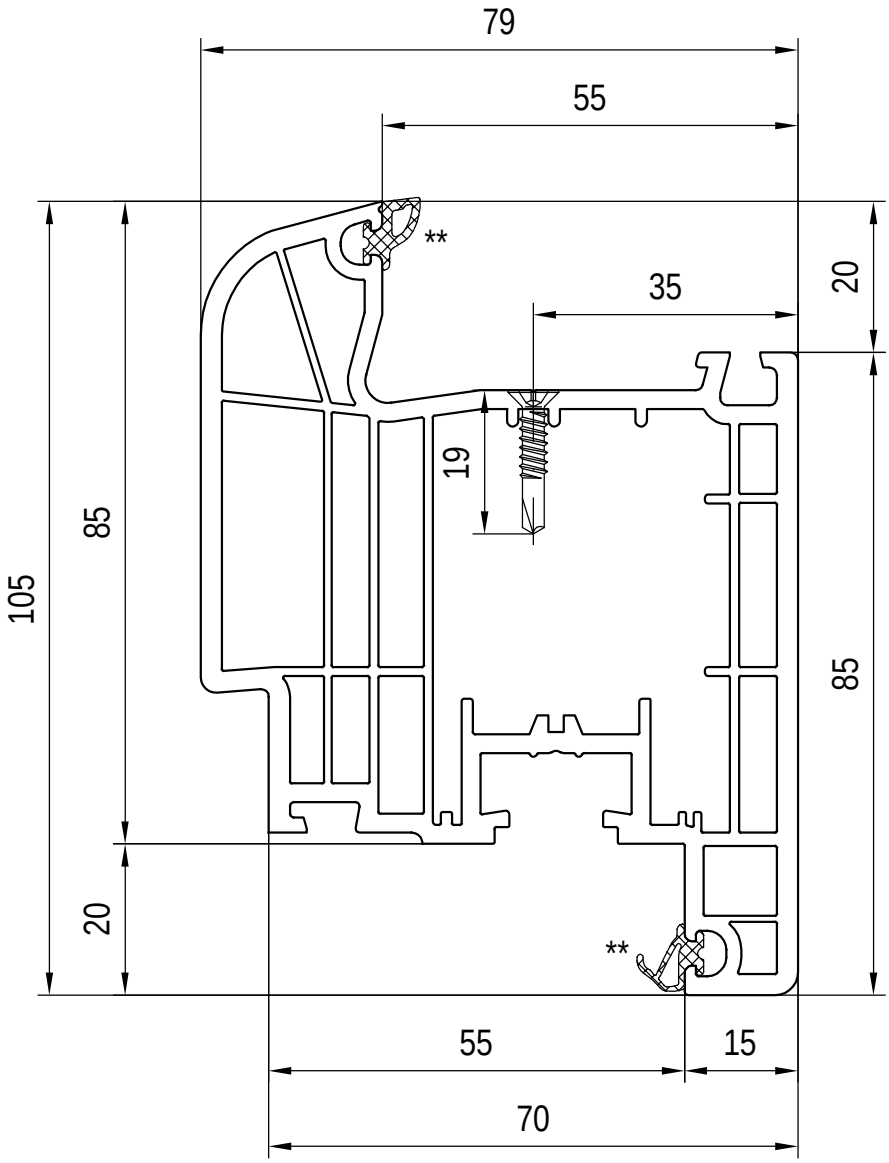
640301 Glasfalzeinlage

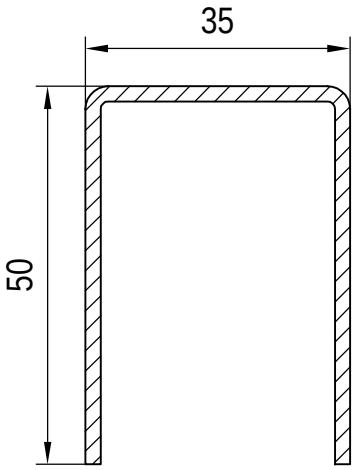


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

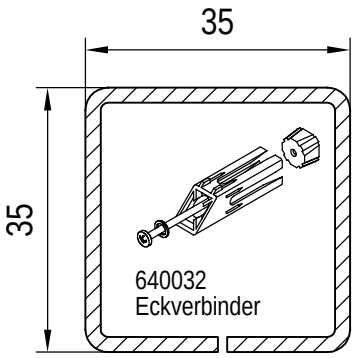
140x34
FLÜGEL
hfv. 105mm

sash
ouvrant
anta
hoja
Round-line





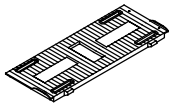
249007 s=2.0mm 4,7*



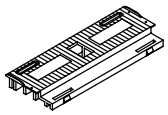
249009 s=2.0mm 4,5*

Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



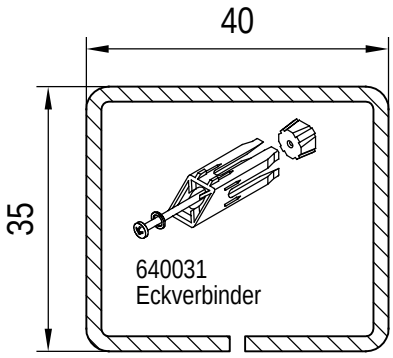
640301 Glasfalzeinlage



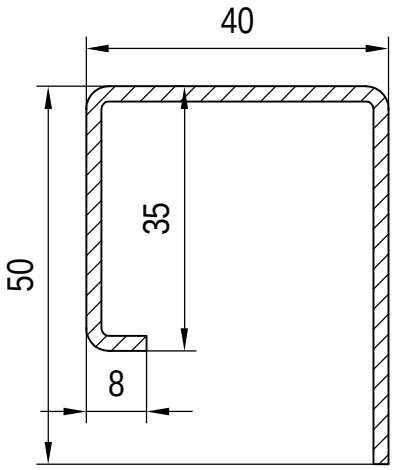
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x31
FLÜGEL
fv. 105mm
außenaufgehend

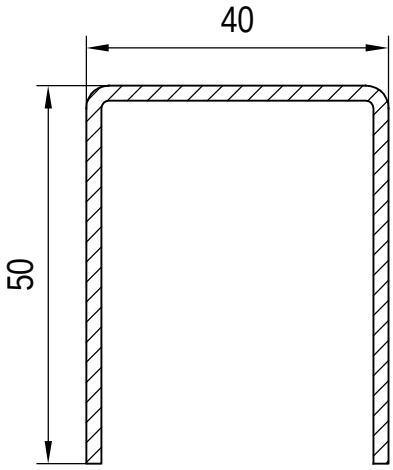
sash
ouvrant
anta
hoja
Soft-line



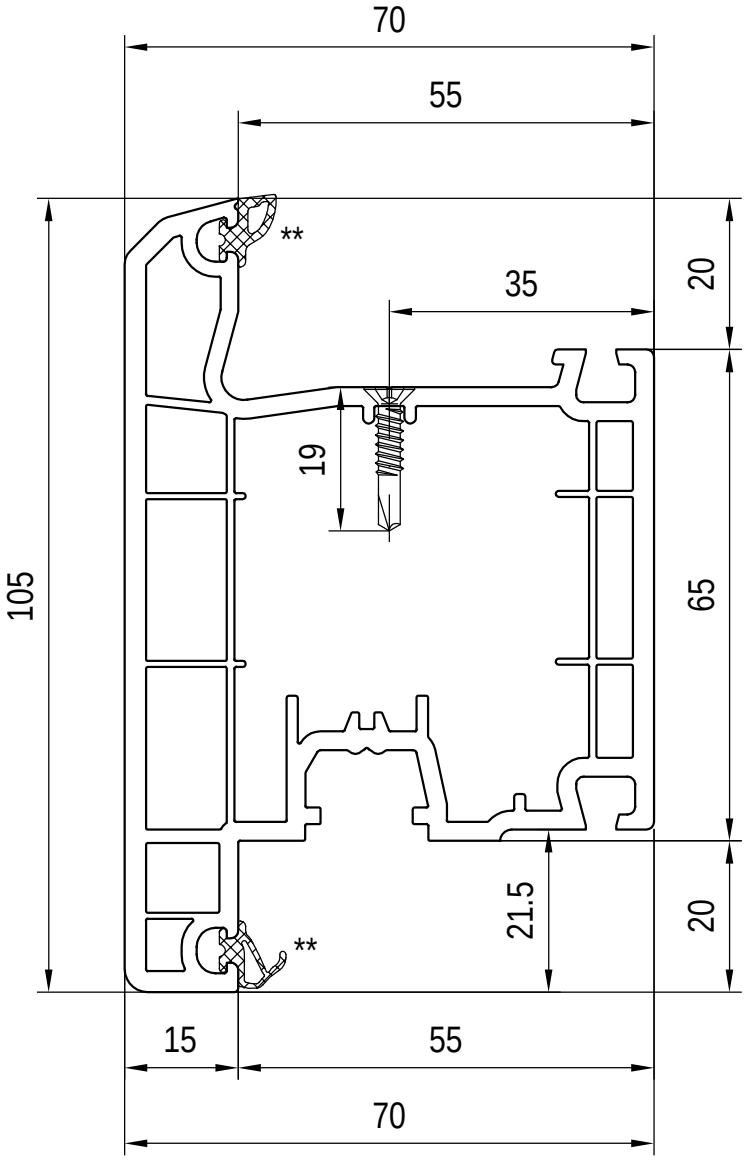
229114 s=1.5mm 4,9*
229115 s=2.0mm 6,3*



249031 s=2.0mm 6,9*



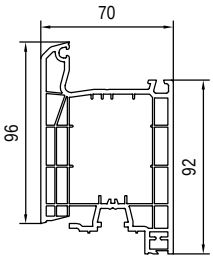
249013 s=2.0mm 7,7*



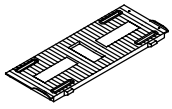
Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

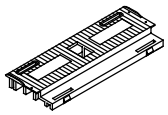
Hauptprofile: Flügel
Flügel, fv. 105mm außenaufgehend: 140x31



140x36 geschnittener
Flügel zur Aufdopplung



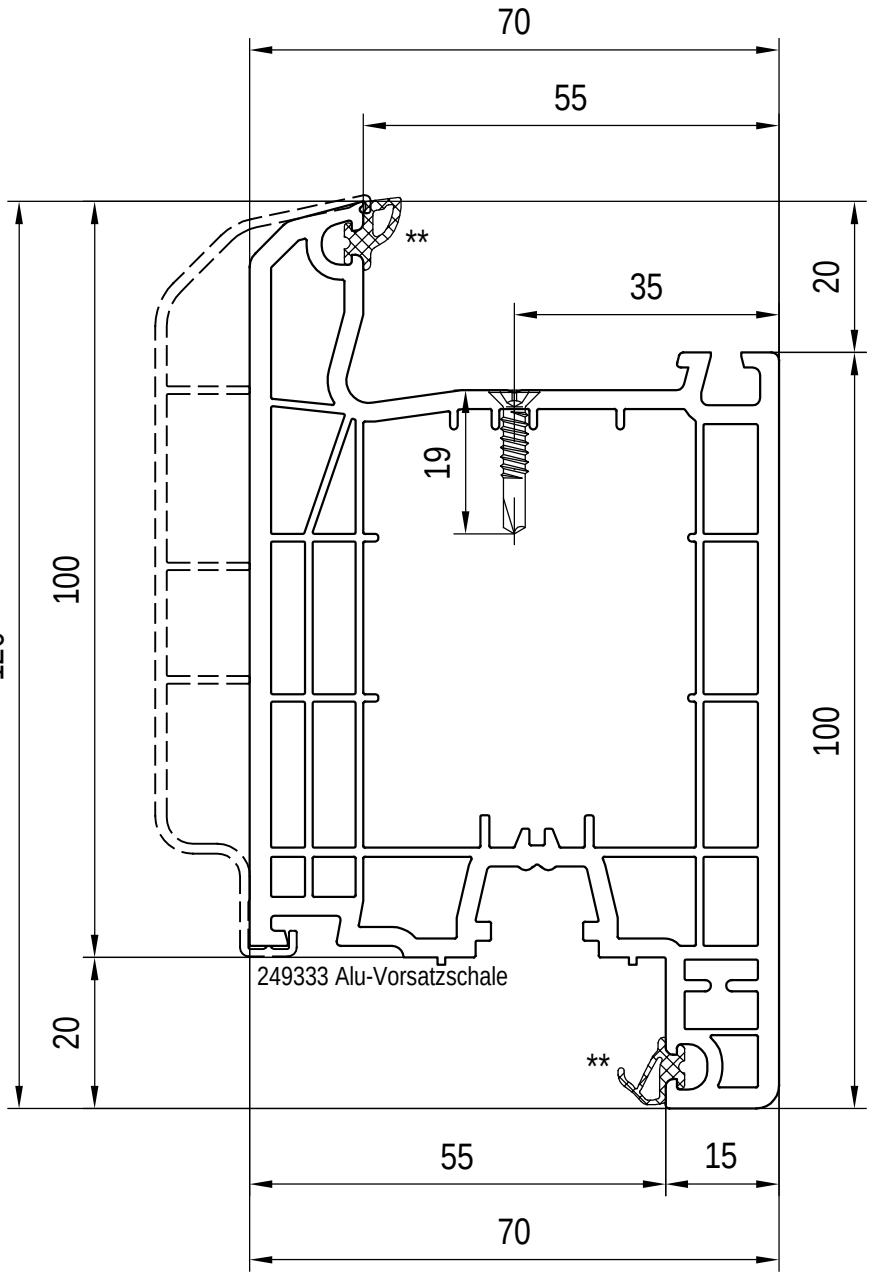
640301 Glasfalzeinlage

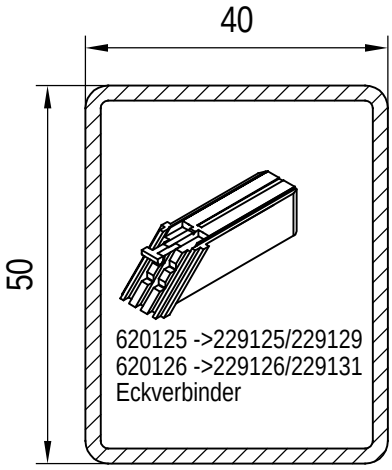


640311 Glasfalzeinlage mit
integriertem 5mm Glasklotz

140x33
FLÜGEL
fv. 120mm

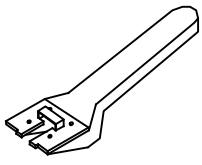
sash
ouvrant
anta
hoja
Soft-line





229125 s=2.0mm 8,5*
229129 = 3 - 5x ausgestanzt

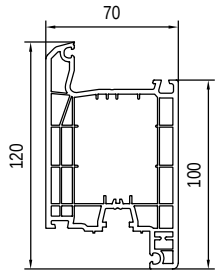
229126 s=3.0mm 12,0*
229131 = 3 - 5x ausgestanzt



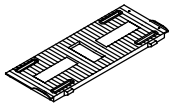
640938
Kipphebel für
Eckverbinder

Armierungen im Profil mit Fensterbohrschrauben
befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

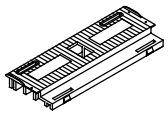
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



140x33
nicht geschnittener Flügel



640301 Glasfalzeinlage

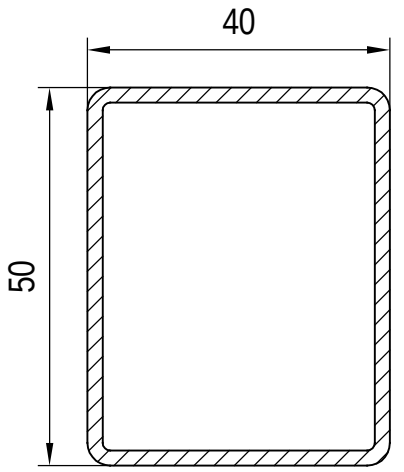


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

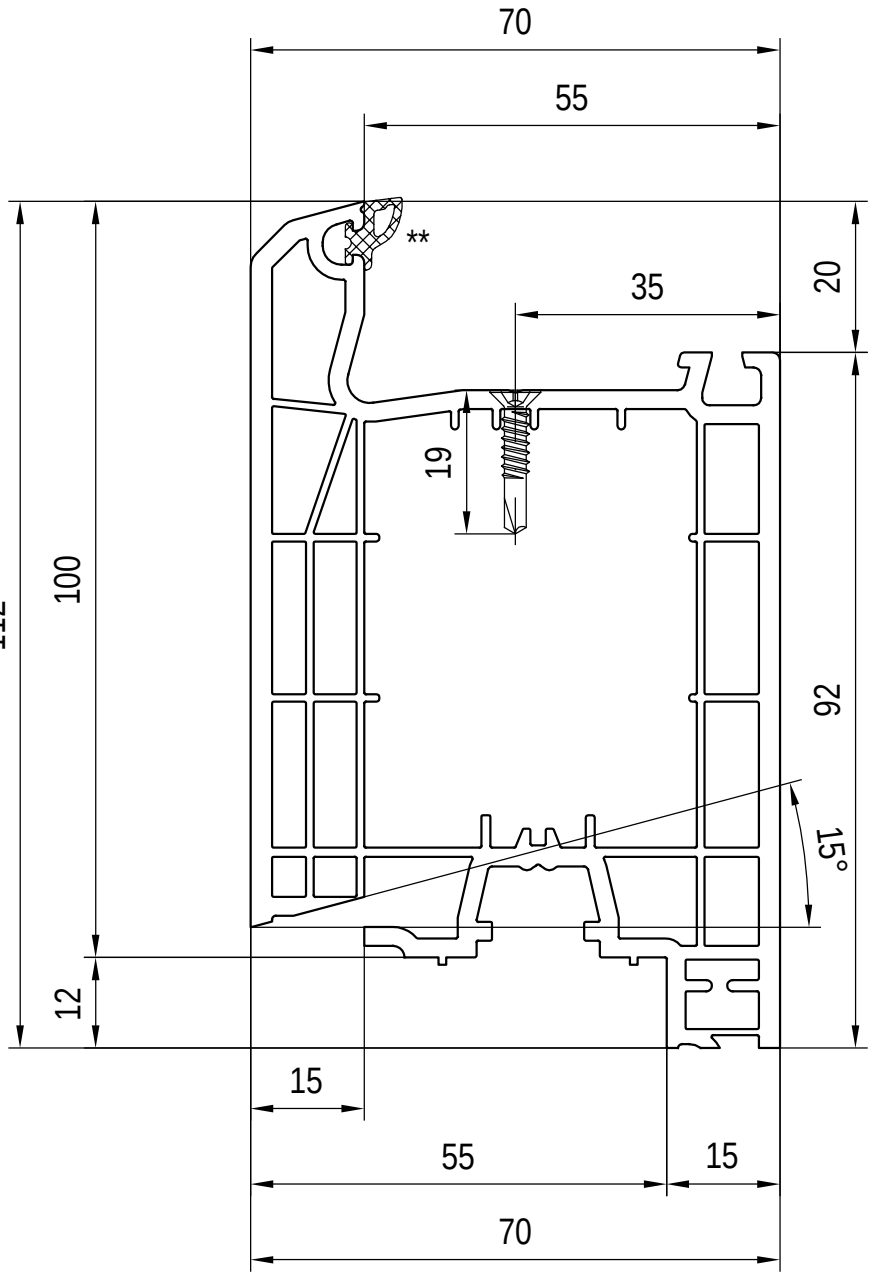
140x36
FLÜGEL
fv. (120mm)
geschnitten
zur Aufdopplung

sash
ouvrant
anta
hoja

Soft-line

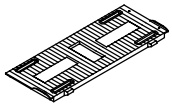


229125 s=2.0mm 8,5*
229126 s=3.0mm 12,0*

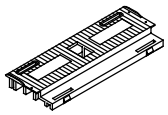


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



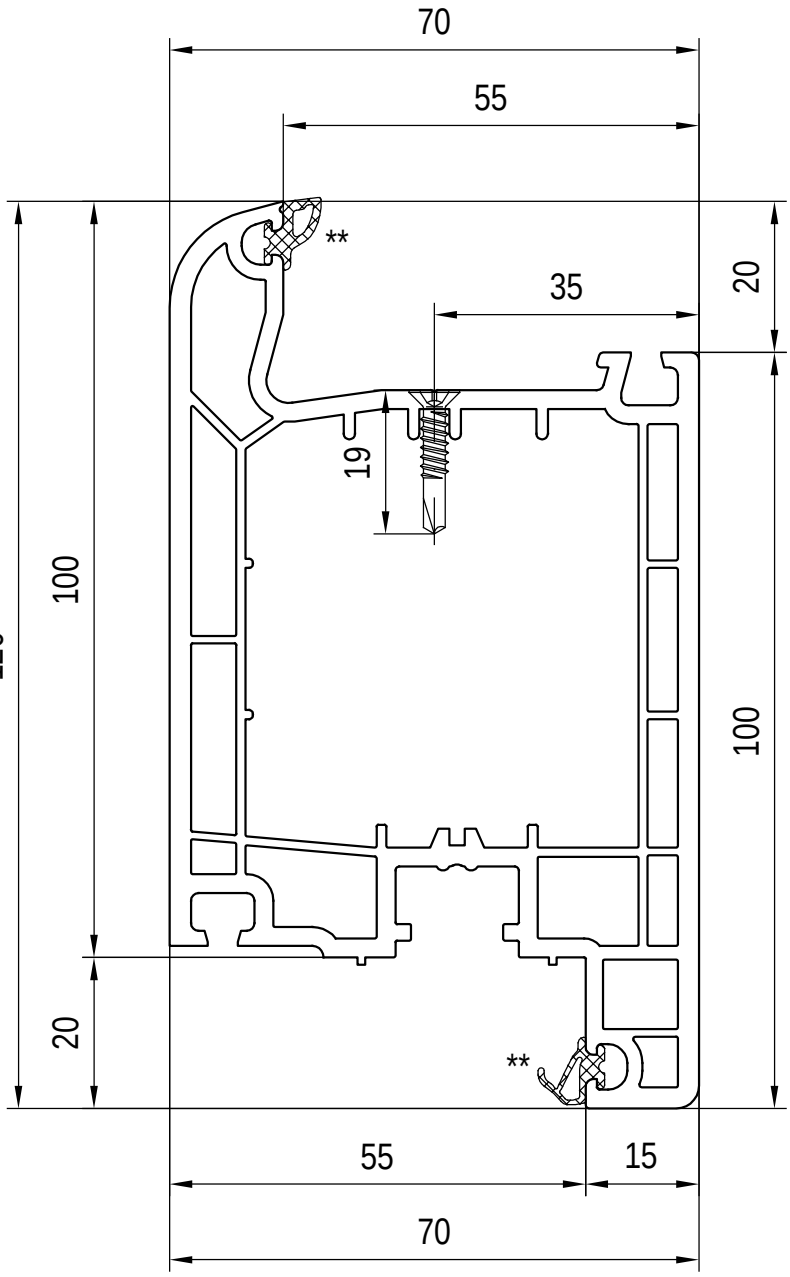
640301 Glasfalzeinlage

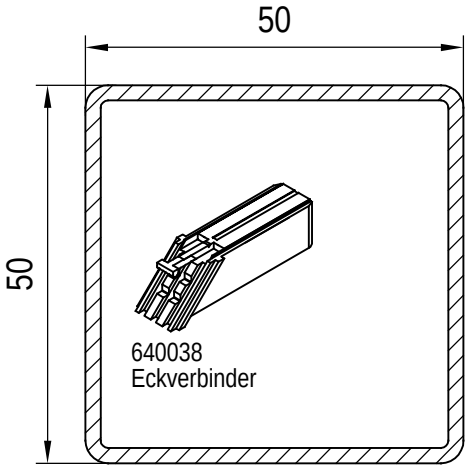


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x38
FLÜGEL
fv. 120mm

sash
ouvrant
anta
hoja
Round-line

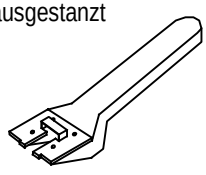




640038
Eckverbinder

229135 s=2.0mm 14,3*

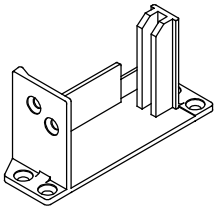
229137 s=2.0mm 14,3*
3x ausgestanzt



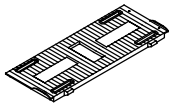
640938
Kipphebel für
Eckverbinder 640038

Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

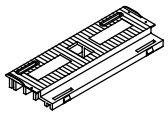
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



627107 Kreuzverbinder



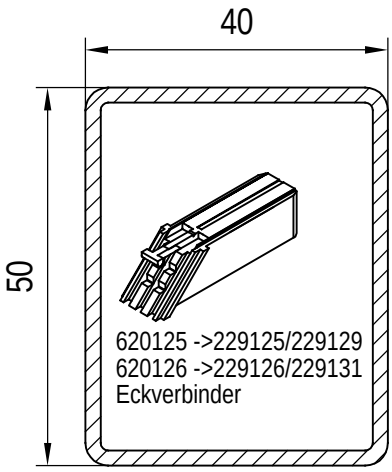
640301 Glasfalzeinlage



640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x35
FLÜGEL
fv. 120mm
außenaufgehend

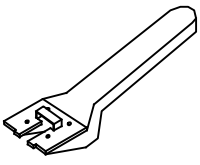
sash
ouvrant
anta
hoja
Soft-line



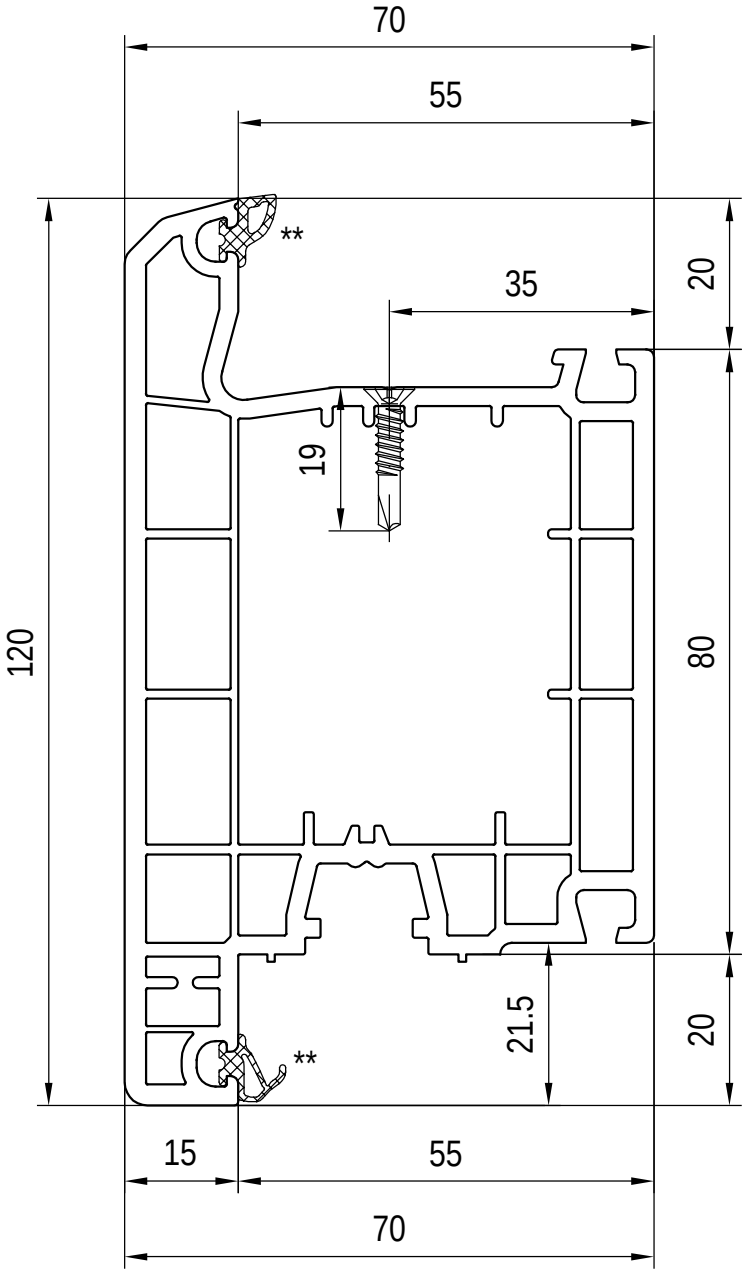
620125 ->229125/229129
620126 ->229126/229131
Eckverbinder

229125 s=2.0mm 8,5*
229129 = 3 - 5x ausgestanzt

229126 s=3.0mm 12,0*
229131 = 3 - 5x ausgestanzt



640938
Kipphebel für
Eckverbinder

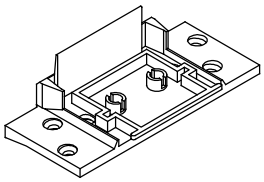


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechtem unterem Falz versiegeln

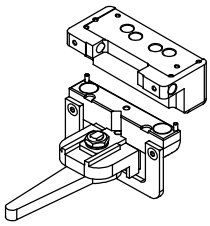
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x45
PFOSTEN / SPROSSE
104mm

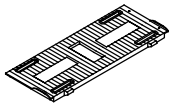
mullion / transom
meneau / traverse
montante / traverso
poste / travesaño
Classic-line



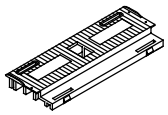
Metall-Kreuzverbinder
677133 mit Noppen
677103 ohne Noppen



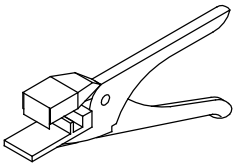
645901 Bohrlehre
620999 Bohrlehrenaufnahme
->677133 / 103 Kreuzverbinder



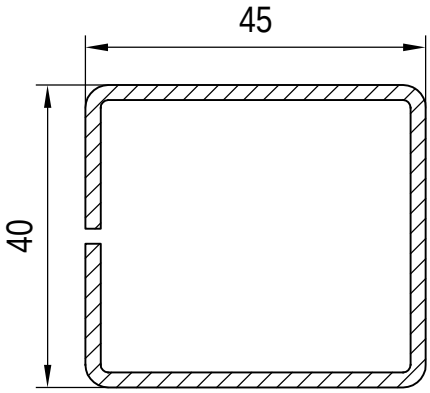
640301 Glasfalzeinlage



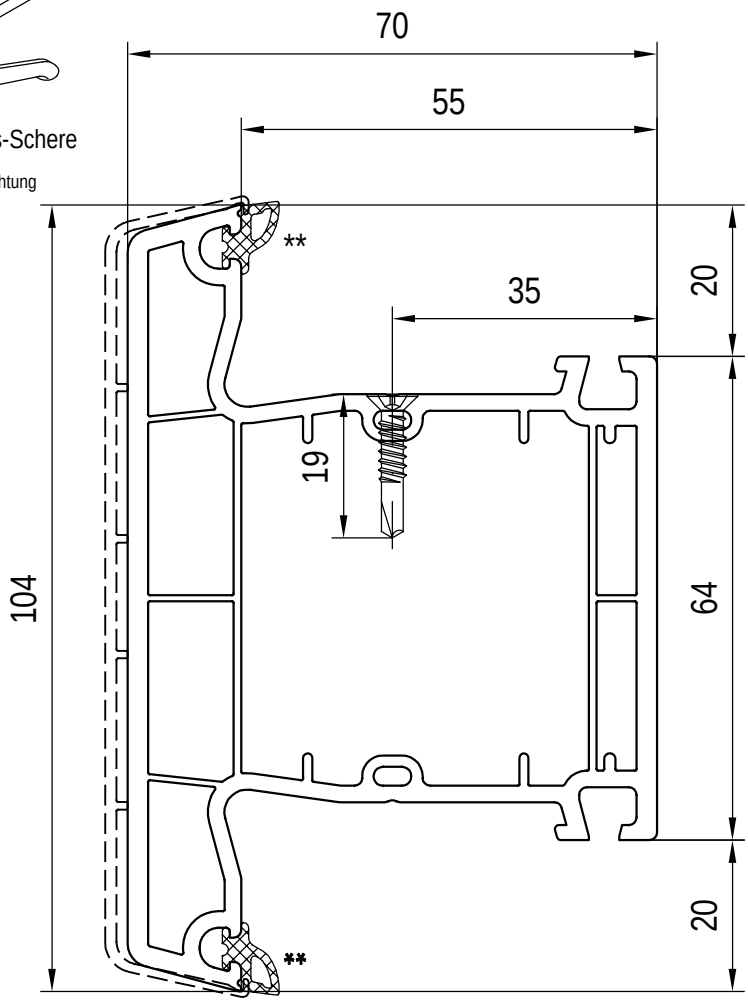
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



640940 Dichtungs-Schere
für Pfosten / Sprossen
mit voreingezogener Dichtung

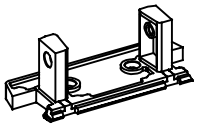


249034 s=1.25mm 6,0*
249035 s=2.0mm 9,1*



249343 Alu-Vorsatzschale

Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechten Profilfalz versiegeln.

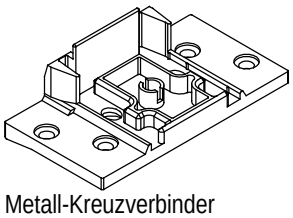


646075 Pfostenhalter
->249059/249060 Schwelle 20/70mm
->269060 Schwelle 20/85mm
->249058 Schwelle 20/120mm

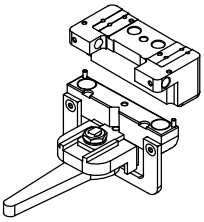
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x41
PFOSTEN / SPROSSE
84mm

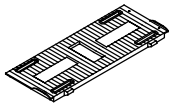
mullion / transom
meneau / traverse
montante / traverso
poste / travesaño
Classic-line



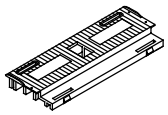
Metall-Kreuzverbinder
647132 mit Noppen
647102 ohne Noppen



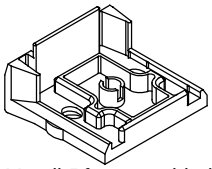
645900 Bohrlehre
620999 Bohrlehrenaufnahme
->647132 / 647102 Kreuzverbinder
->647131 / 647101 Pfostenverbinder
->647105 Sprossenverbinder



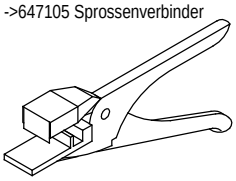
640301 Glasfalzeinlage



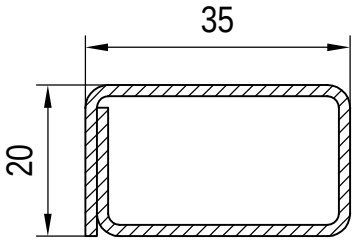
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



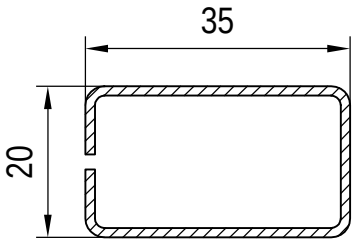
Metall-Pfostenverbinder
647131 mit Noppen
647101 ohne Noppen



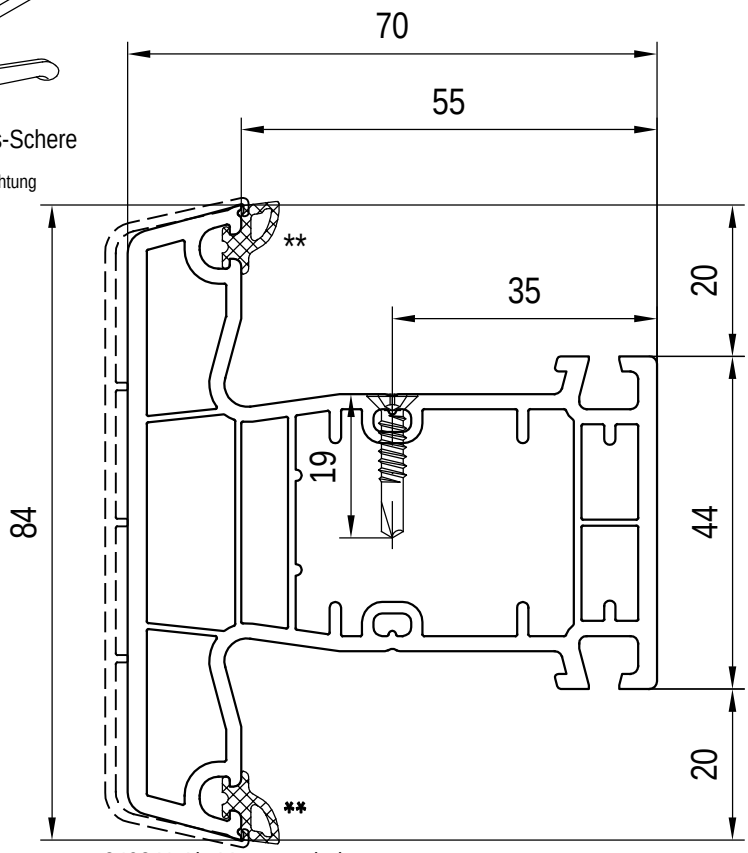
640940 Dichtungs-Schere
für Pfosten / Sprossen
mit voreingezogener Dichtung



229098 s=2.5mm 4,0*
229101 s=1.5mm 2,8*

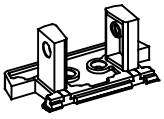


229100 s=1.25mm 1,9*



249341 Alu-Vorsatzschale

Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechten Profilfalz versiegeln.

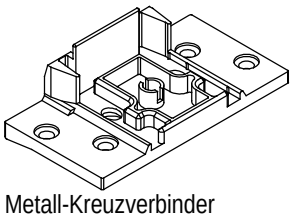


646074 Pfostenhalter
->249059/249060 Schwelle 20/70mm
->269060 Schwelle 20/85mm
->249058 Schwelle 20/120mm

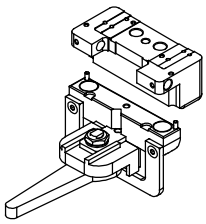
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x44
PFOSTEN / SPROSSE
84mm
STATIK

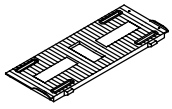
mullion / transom
meneau / traverse
montante / traverso
poste / travesaño
Classic-line



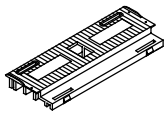
Metall-Kreuzverbinder
647132 mit Noppen
647102 ohne Noppen



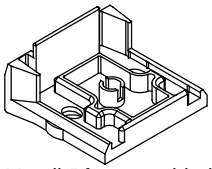
645900 Bohrlehre
620999 Bohrlehrenaufnahme
->647132 / 647102 Kreuzverbinder
->647131 / 647101 Pfostenverbinder
->647105 Sprossenverbinder



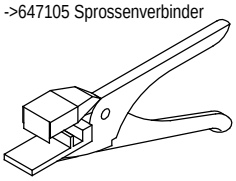
640301 Glasfalzeinlage



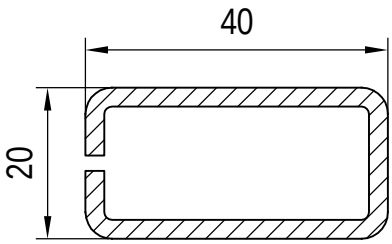
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



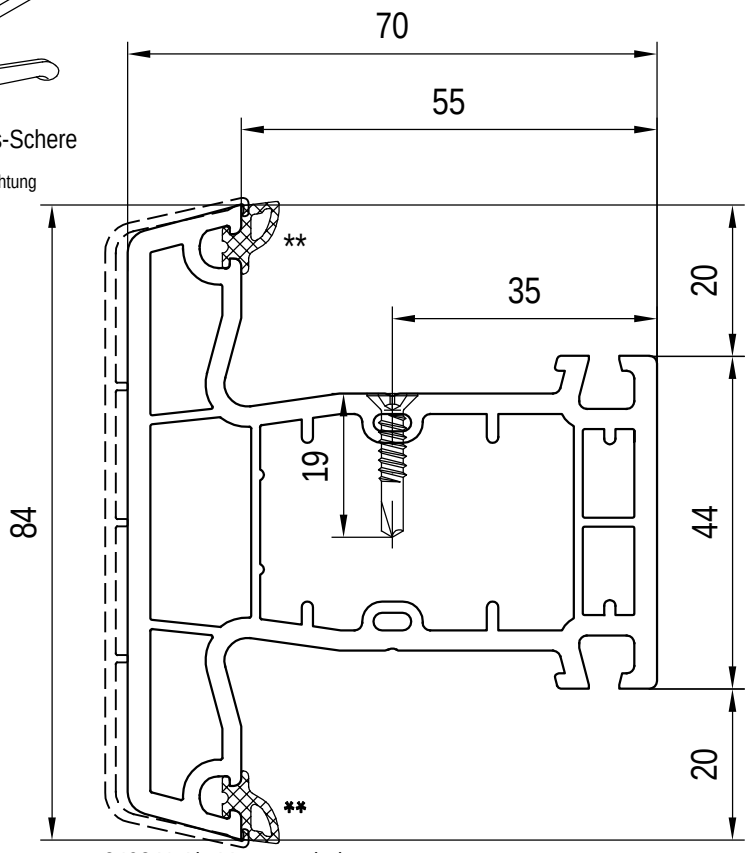
Metall-Pfostenverbinder
647131 mit Noppen
647101 ohne Noppen



640940 Dichtungs-Schere
für Pfosten / Sprossen
mit voreingezogener Dichtung

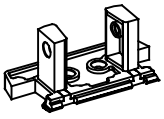


299922 s=2.5mm 4,7*



249341 Alu-Vorsatzschale

Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechten Profilfalz versiegeln.

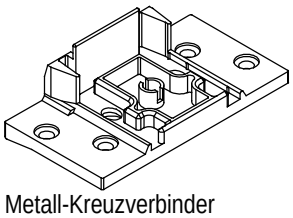


646074 Pfostenhalter
->249059/249060 Schwelle 20/70mm
->269060 Schwelle 20/85mm
->249058 Schwelle 20/120mm

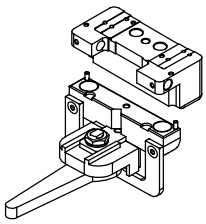
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x48
PFOSTEN / SPROSSE
84mm

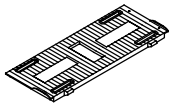
mullion / transom
meneau / traverse
montante / traverso
poste / travesaño
Soft-line



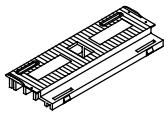
Metall-Kreuzverbinder
647132 mit Noppen
647102 ohne Noppen



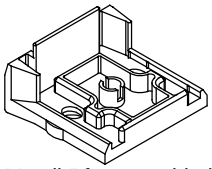
645900 Bohrlehre
620999 Bohrlehrenaufnahme
->647132 / 647102 Kreuzverbinder
->647131 / 647101 Pfostenverbinder
->647105 Sprossenverbinder



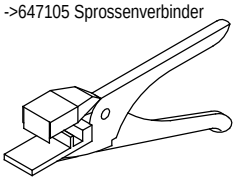
640301 Glasfalzeinlage



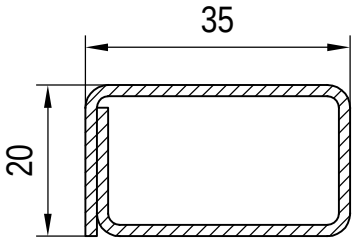
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



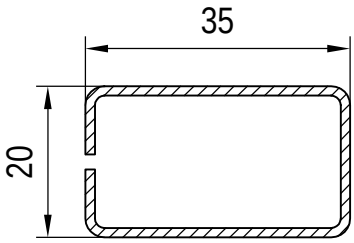
Metall-Pfostenverbinder
647131 mit Noppen
647101 ohne Noppen



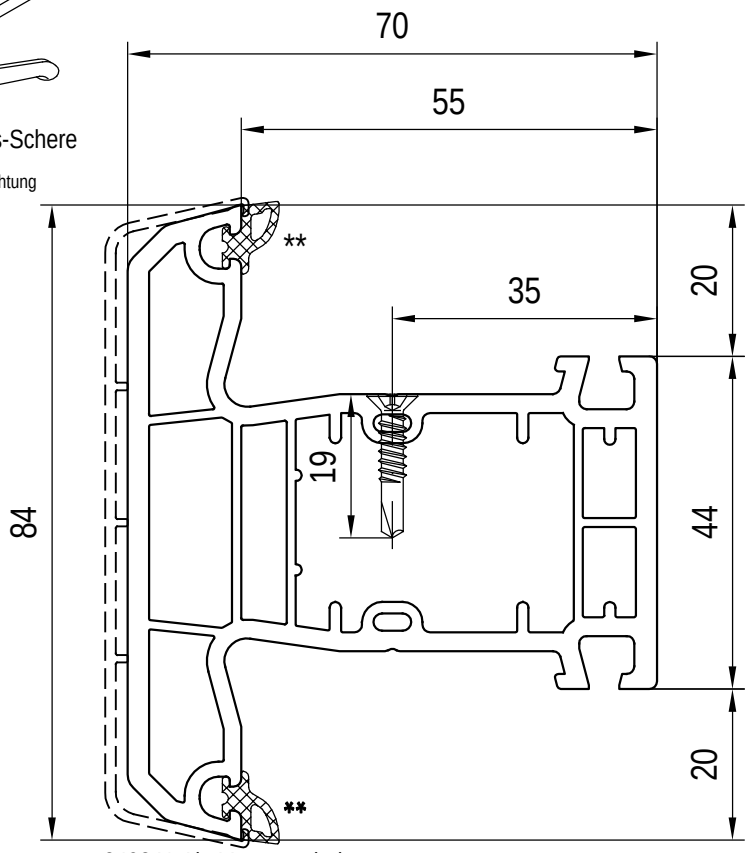
640940 Dichtungs-Schere
für Pfosten / Sprossen
mit voreingezogener Dichtung



229098 s=2.5mm 4,0*
229101 s=1.5mm 2,8*



229100 s=1.25mm 1,9*



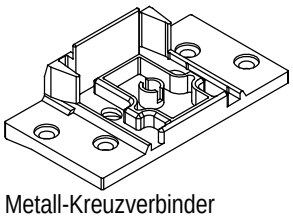
249341 Alu-Vorsatzschale

Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechten Profilfalz versiegeln.

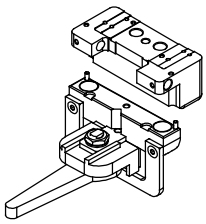
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x47
PFOSTEN / SPROSSE
84mm

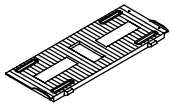
mullion / transom
meneau / traverse
montante / traverso
poste / travesaño
Round-line



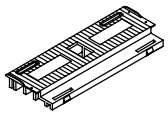
Metall-Kreuzverbinder
647132 mit Noppen
647102 ohne Noppen



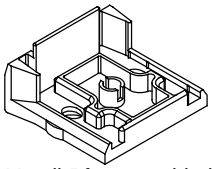
645900 Bohrlehre
620999 Bohrlehrenaufnahme
->647132 / 647102 Kreuzverbinder
->647131 / 647101 Pfostenverbinder
->647105 Sprossenverbinder



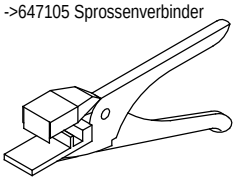
640301 Glasfalzeinlage



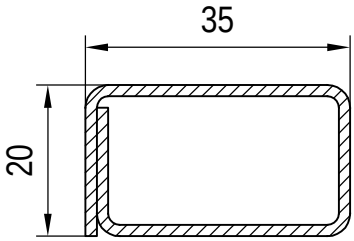
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz



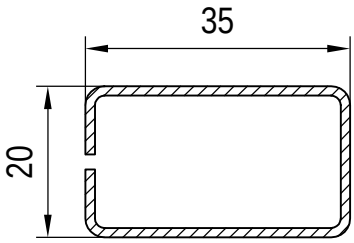
Metall-Pfostenverbinder
647131 mit Noppen
647101 ohne Noppen



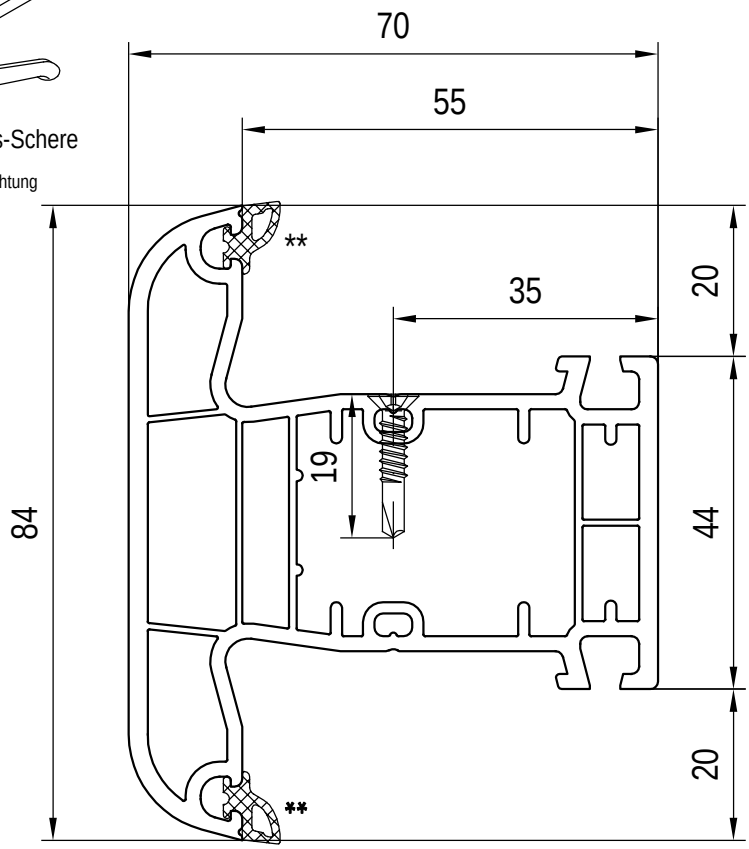
640940 Dichtungs-Schere
für Pfosten / Sprossen
mit voreingezogener Dichtung



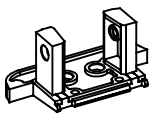
229098 s=2.5mm 4,0*
229101 s=1.5mm 2,8*



229100 s=1.25mm 1,9*



Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm
Schraubköpfe im waagrechten Profilfalz versiegeln.

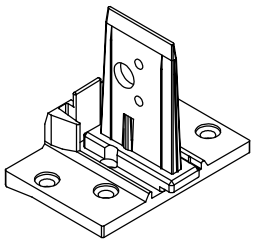


646073 Pfostenhalter
->249059/249060 Schwelle 20/70mm
->269060 Schwelle 20/85mm
->249058 Schwelle 20/120mm

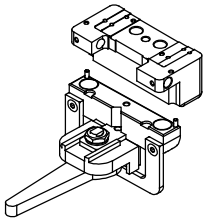
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x46
SPROSSE
70mm

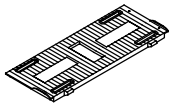
transom
traverse
traverso
travesaño
Classic-line



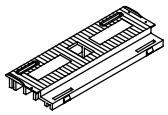
Metall-Sprossenverbinder
647105 ohne Noppen



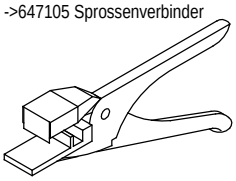
645900 Bohrlehre
620999 Bohrlehrenaufnahme
->647132 / 647102 Kreuzverbinder
->647131 / 647101 Pfostenverbinder
->647105 Sprossenverbinder



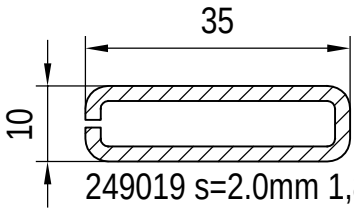
640301 Glasfalzeinlage



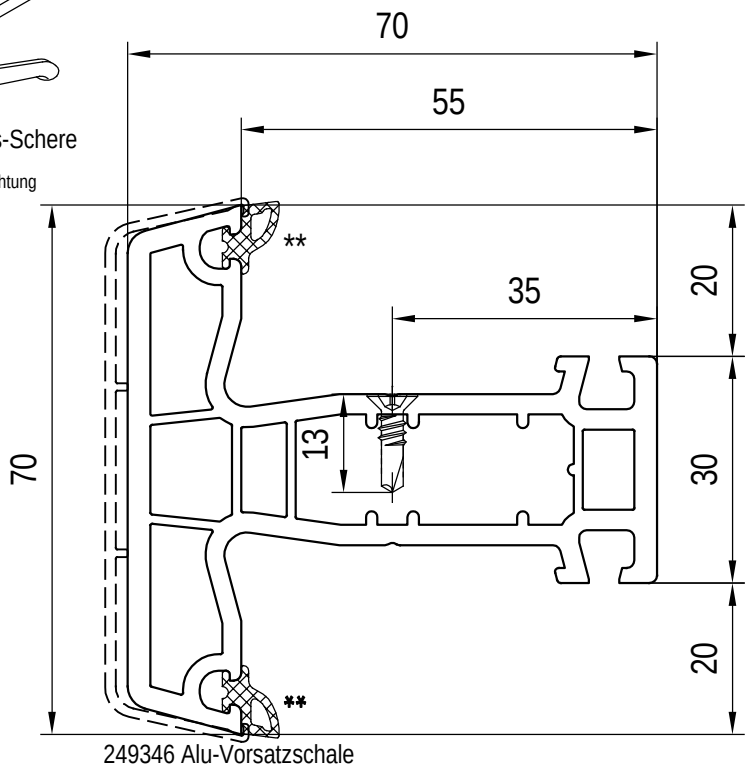
640311 Glasfalzeinlage mit
integriertem 5mm Glasklotz



640940 Dichtungs-Schere
für Pfosten / Sprossen
mit voreingezogener Dichtung



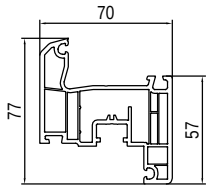
249019 s=2.0mm 1,8*



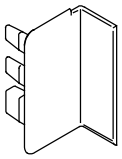
249346 Alu-Vorsatzschale

Armierungen im Profil mit Fensterbohrschrauben
befestigen. z.B.: FDM2 M4 x 13mm
Schraubköpfe im waagrechten Profilfalz versiegeln.

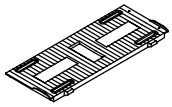
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



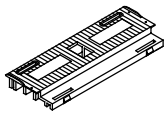
140x20
passender Flügel



640082
Stulpflügel-Endkappe



640301 Glasfalzeinlage

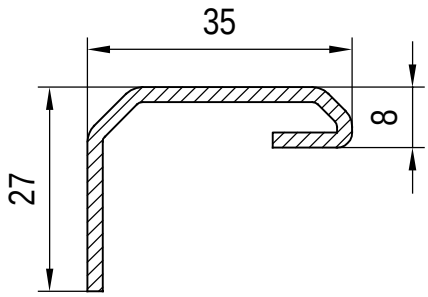


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

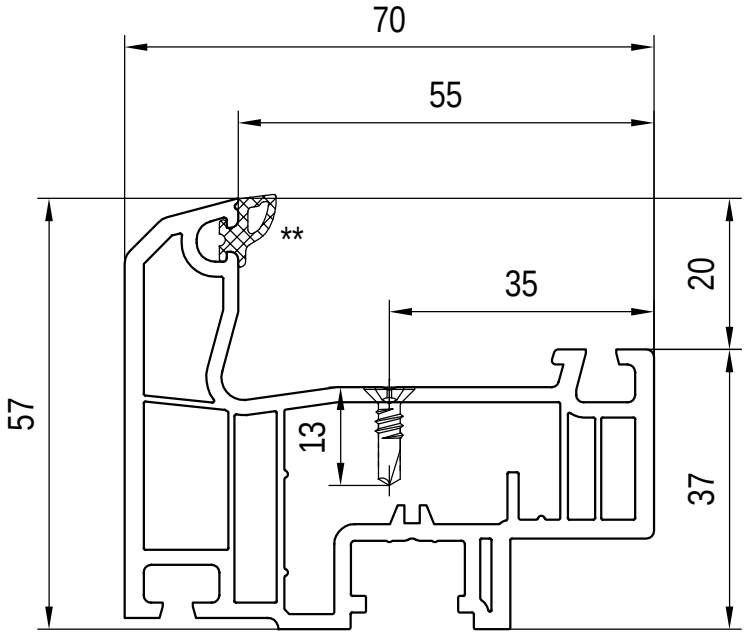
140x76
STULPFLÜGEL
fv. 57mm

false mullion sash
battement intégré
anta-scambio battuta
hoja batiente

Soft-line

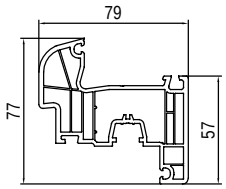


229027 s=1.5mm 1,6*
229028 s=2.0mm 2,1*

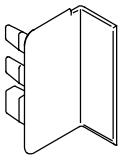


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FDM2 M4 x 13mm

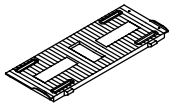
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



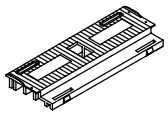
140x22
passender Flügel



640082
Stulpflügel-Endkappe



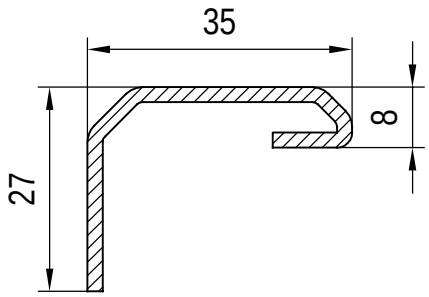
640301 Glasfalzeinlage



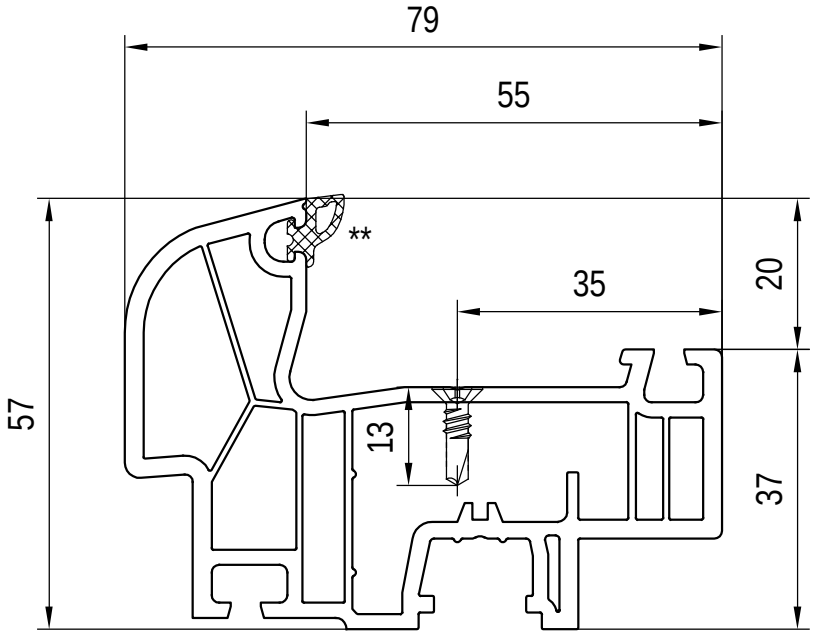
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x82
STULPFLÜGEL
hfv. 57mm

false mullion sash
battement intégré
anta-scambio battuta
hoja batiente
Round-line



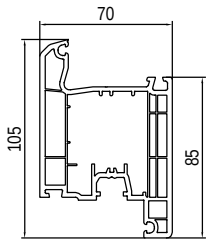
229027 s=1.5mm 1,6*
229028 s=2.0mm 2,1*



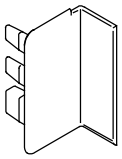
Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FDM2 M4 x 13mm

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

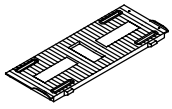
Hauptprofile: Stulpflügel / Stulp-Profile
Stulpflügel, hfv. 57mm: 140x82



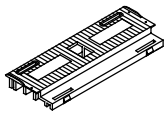
140x30
passender Flügel



640082
Stulpflügel-Endkappe



640301 Glasfalzeinlage

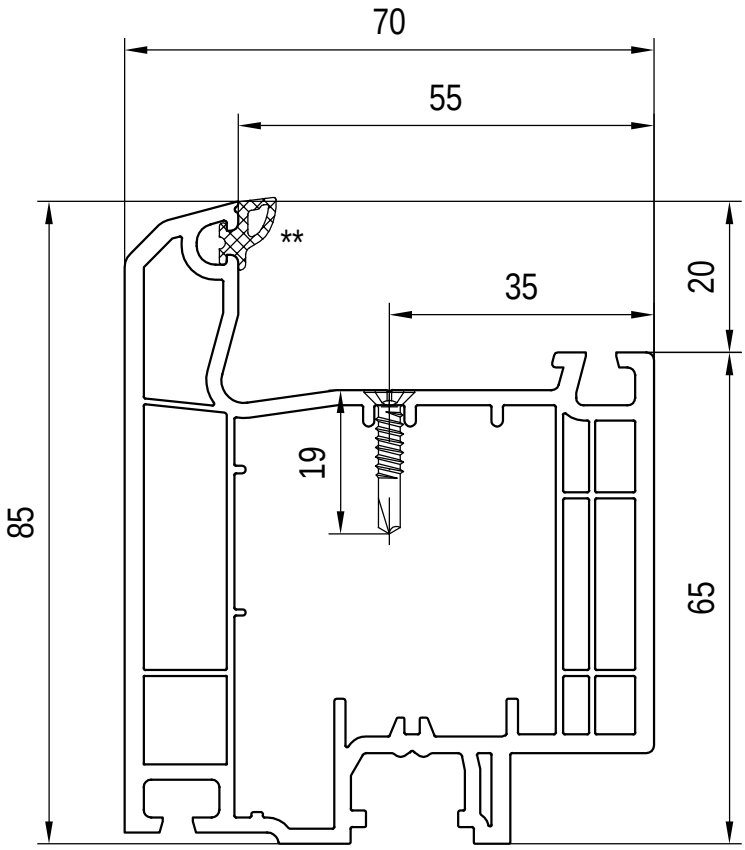


640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

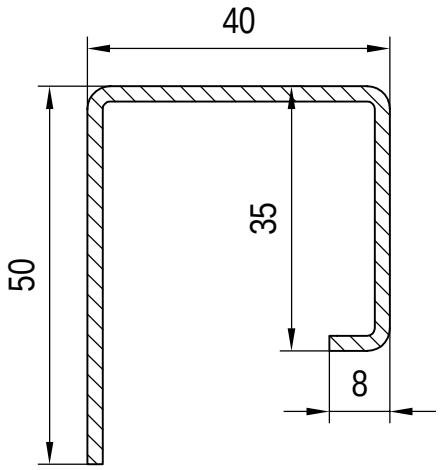
140x77
STULPFLÜGEL
fv. 85mm

false mullion sash
battement intégré
anta-scambio battuta
hoja batiente

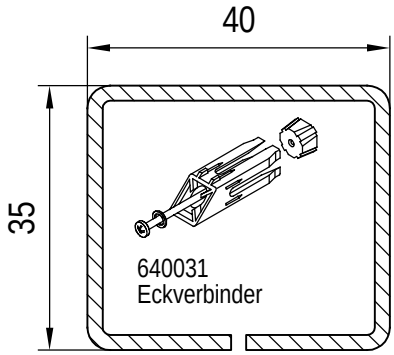
Soft-line



Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm



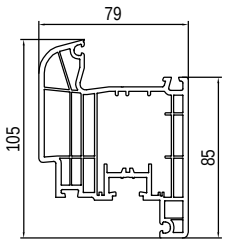
249031 s=2.0mm 6,9*



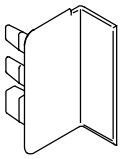
640031
Eckverbinder

229114 s=1.5mm 4,9*
229115 s=2.0mm 6,3*

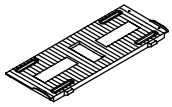
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



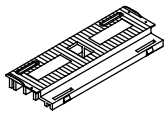
140x34
passender Flügel



640082
Stulpflügel-Endkappe



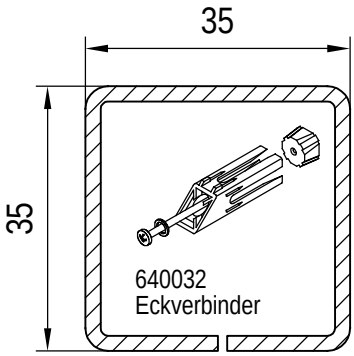
640301 Glasfalzeinlage



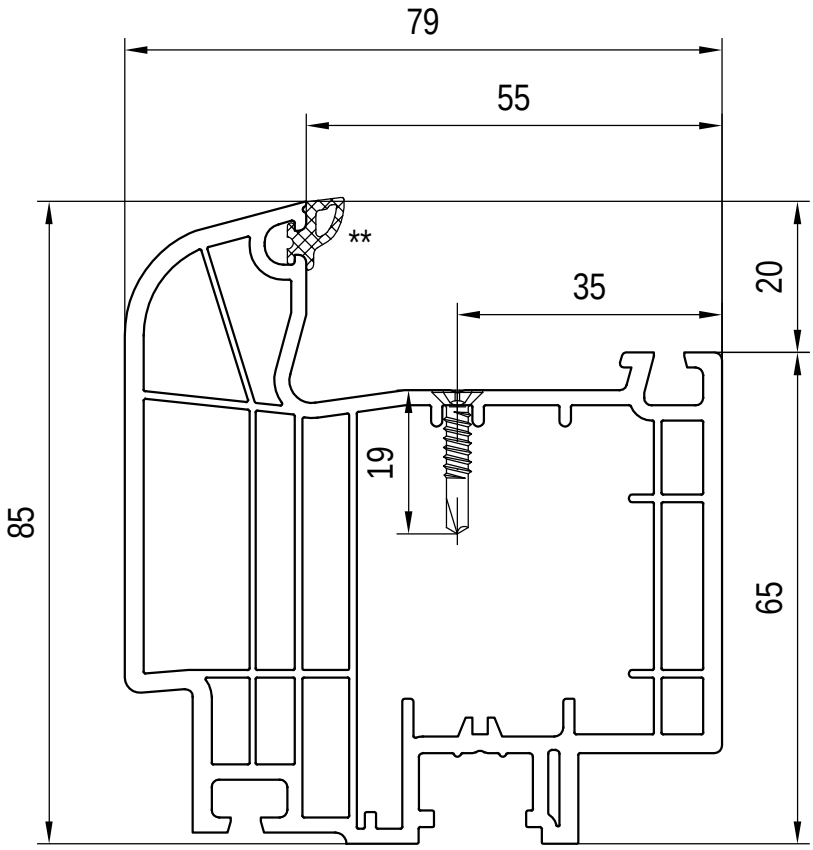
640311 Glasfalzeinlage mit integriertem 5mm Glasklotz

140x84
STULPFLÜGEL
hfv. 85mm

false mullion sash
battement intégré
anta-scambio battuta
hoja batiente
Round-line



249009 s=2.0mm 4,5*

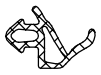


Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 19mm

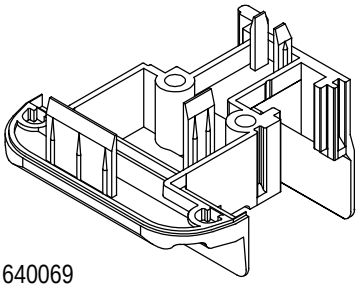
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x69
STULP
64mm

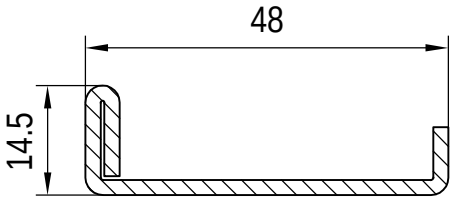
(groß)
false mullion
battement
scambio battuta
batiente
Round-line



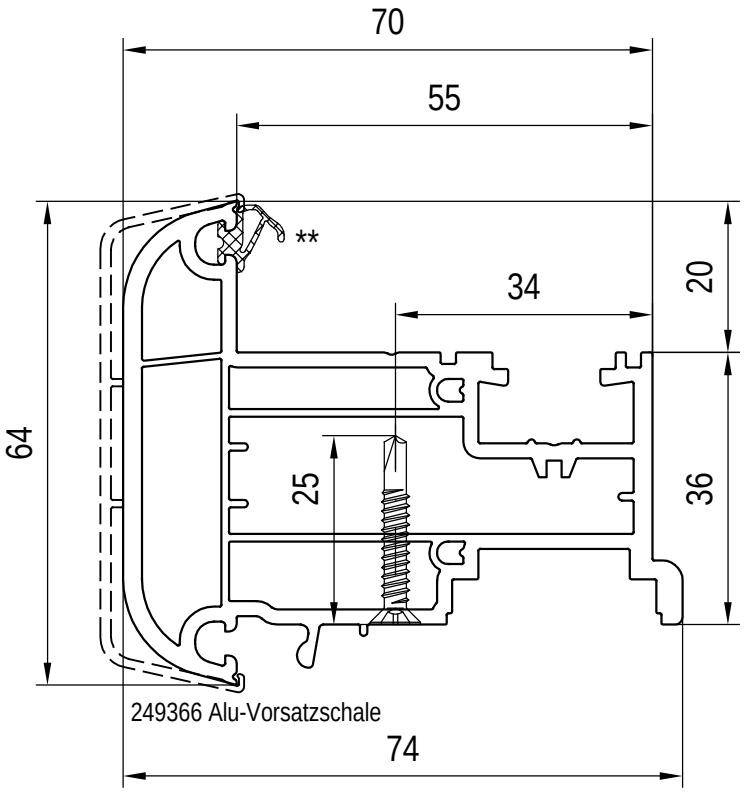
447340, 449340
Dichtung



640069
Stulp-Endkappe



229063 s=2.0mm 4,3*



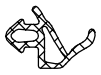
249366 Alu-Vorsatzschale

74

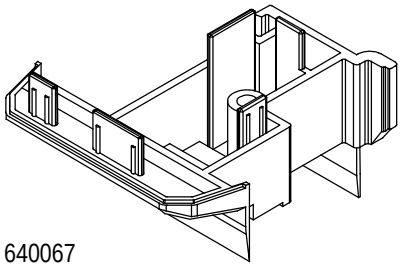
Armierungen im Profil mit Fensterbohrschrauben befestigen. z.B.: FD21 3.9 x 25mm

* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

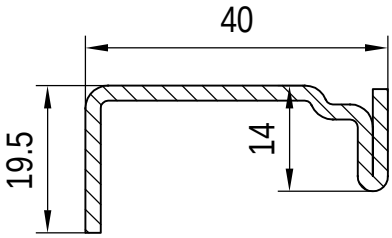
140x67
STULP
64mm
für Haustüren
(groß)
false mullion
battement
scambio battuta
batiente
Soft-line



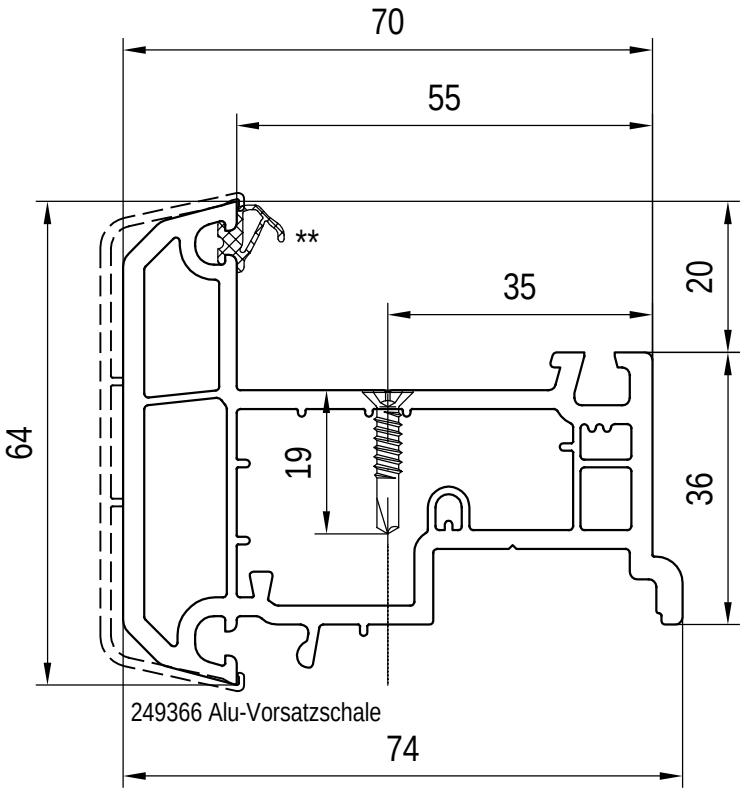
447340, 449340
Dichtung



640067
Stulp-Endkappe



259092 s=2.0mm 3,5*



Armierungen im Profil mit Fensterbohrschrauben
befestigen. z.B.: FD21 3.9 x 19mm
oder direkt mit dem Flügel verschrauben (durchschrauben)

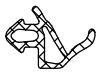
* Ix-Wert in cm4
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

140x65
STULP
44mm

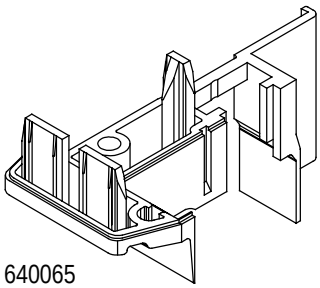
(schmal)

false mullion
battement
scambio battuta
batiente

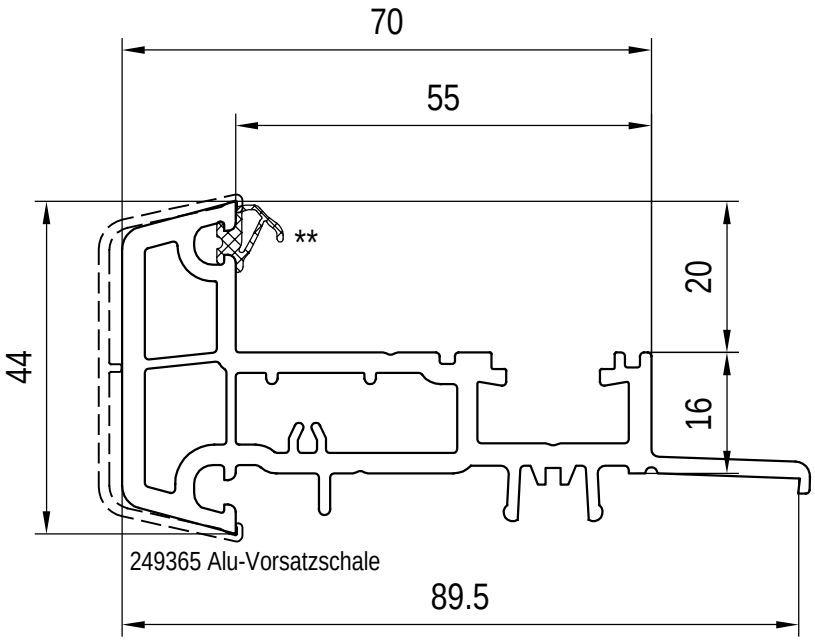
Classic-line



447340, 449340
Dichtung



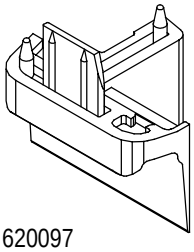
640065
Stulp-Endkappe



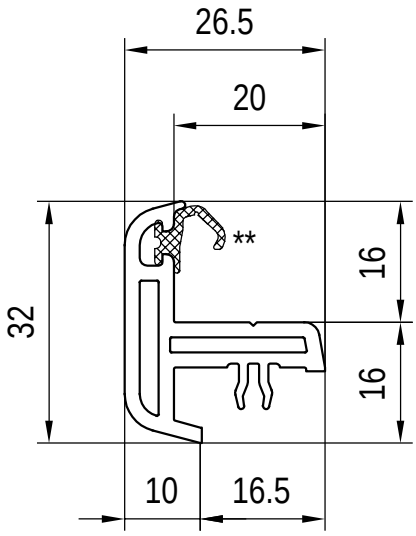
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

120x97
MINI-STULP
32mm

false mullion
battement
scambio battuta
batiente
Round-line



620097
Stulp-Endkappe

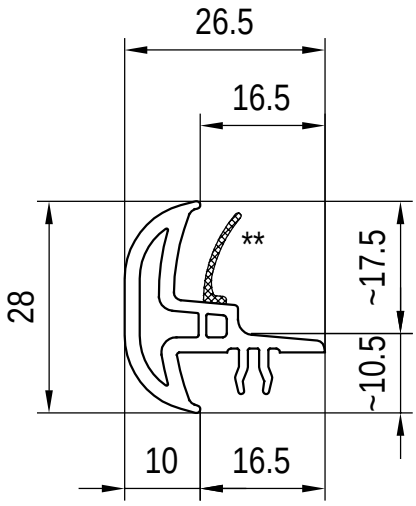


Klipsfunktion für Stulpflügel:
->140x76 Soft-line
->140x77 Soft-line
->140x82 Round-line
->140x84 Round-line

** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste

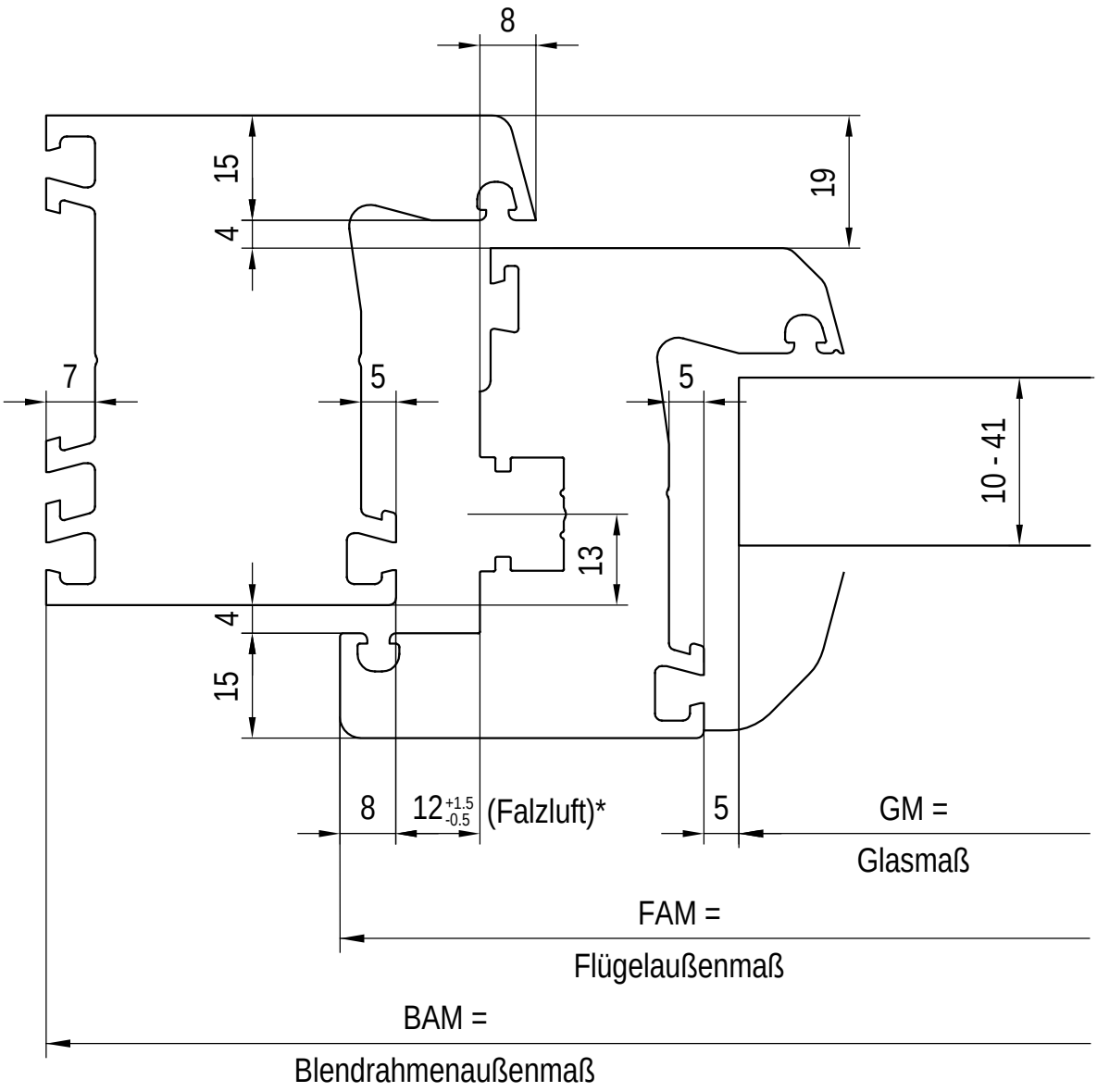
110x97
MINI-STULP
28mm

false mullion
battement
scambio battuta
batiente
Round-line



Klipsfunktion für Stulpflügel:
->140x76 Soft-line
->140x77 Soft-line
->140x82 Round-line
->140x84 Round-line

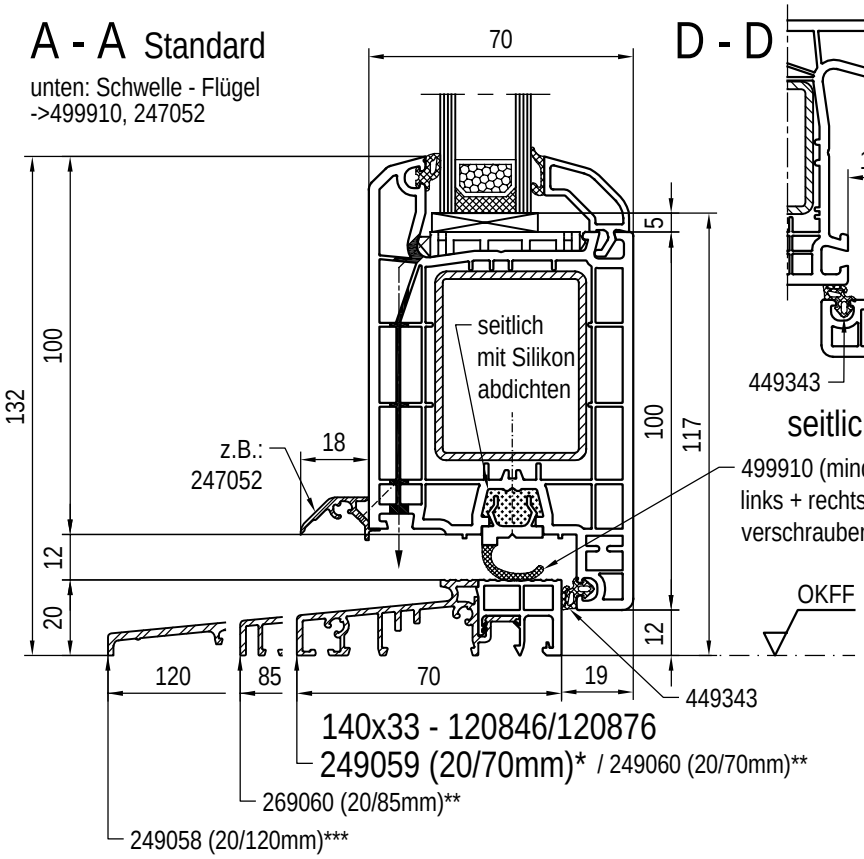
** werkseitig eingebrachte Dichtung(en): siehe gültige Preisliste



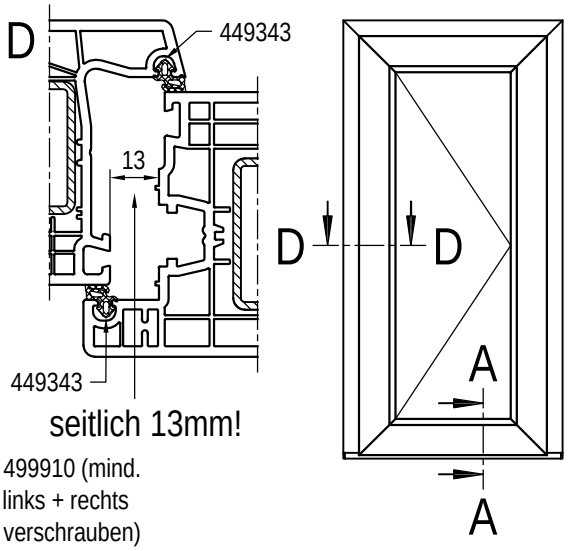
* Falzluft bei Haustüren links und rechts = 13mm

A - A Standard

unten: Schwelle - Flügel
->499910, 247052

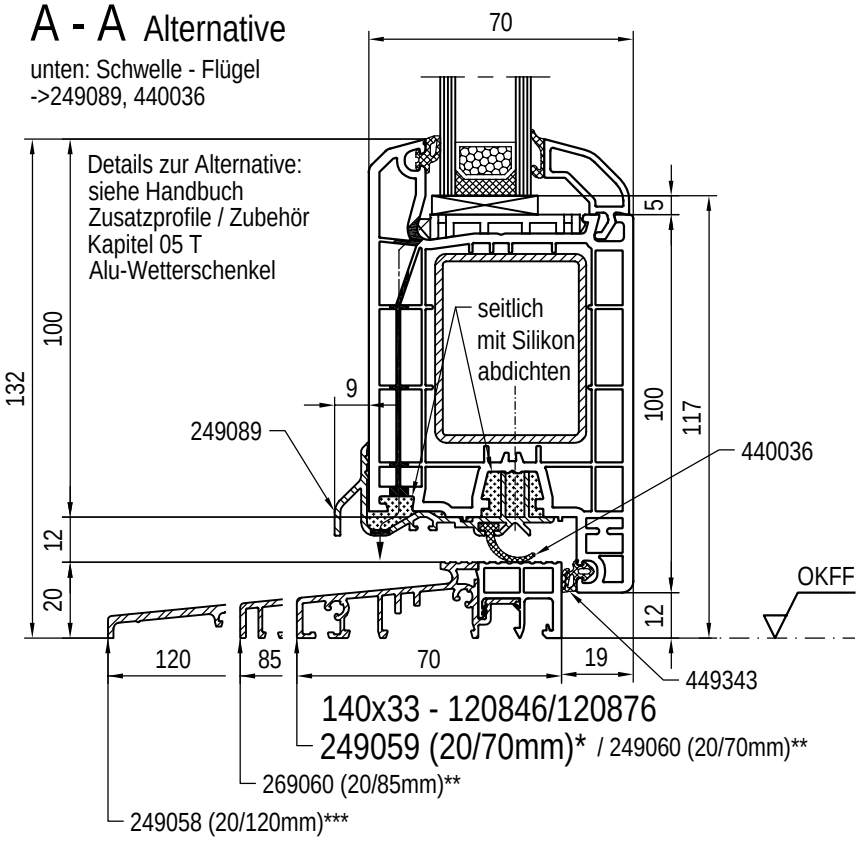


D - D



A - A Alternative

unten: Schwelle - Flügel
->249089, 440036

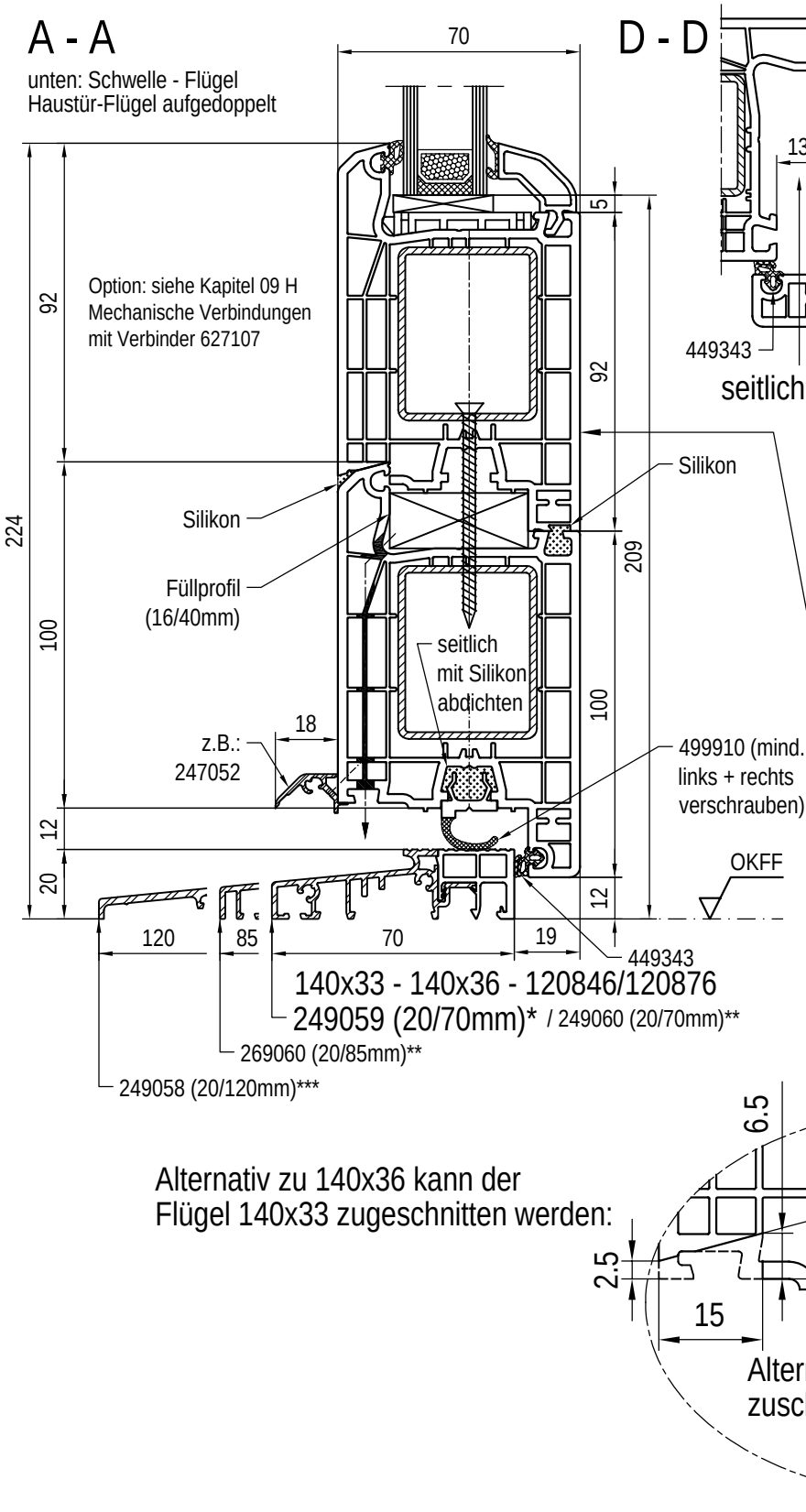


* Haustür-Schwelle
** Dreh-Kipp-Tür-Schwelle
*** Bei Rahmen-Bautiefen von 120mm erforderlich (Dreh-Kipp-Tür-Schwelle)

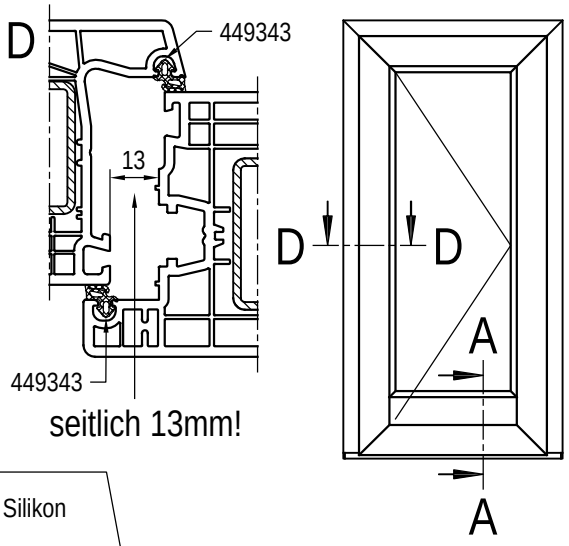
Schwellen seitlich mit Silikon abdichten

A - A

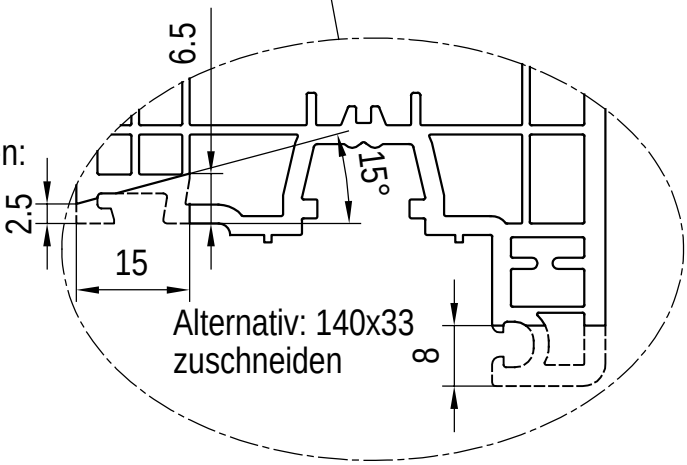
unten: Schwelle - Flügel
Haustür-Flügel aufgedoppelt



D - D



Alternativ zu 140x36 kann der
Flügel 140x33 zugeschnitten werden:

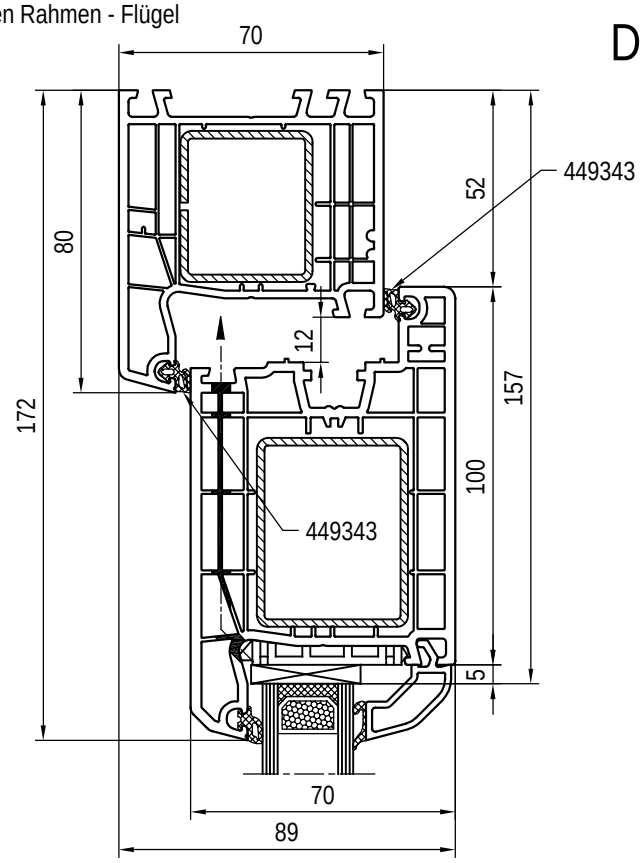


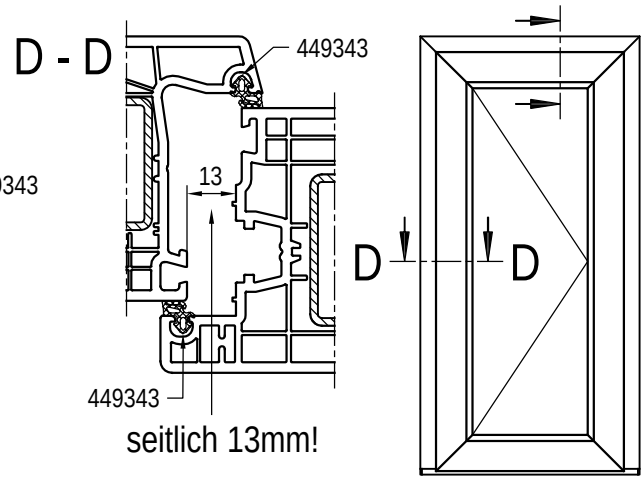
* Haustür-Schwelle
** Dreh-Kipp-Tür-Schwelle
*** Bei Rahmen-Bautiefen von 120mm erforderlich (Dreh-Kipp-Tür-Schwelle)

Schwellen seitlich mit Silikon abdichten

Haustür / Schwellen-Kombinationen
unten: Schwelle - Flügel aufgedoppelt

oben Rahmen - Flügel

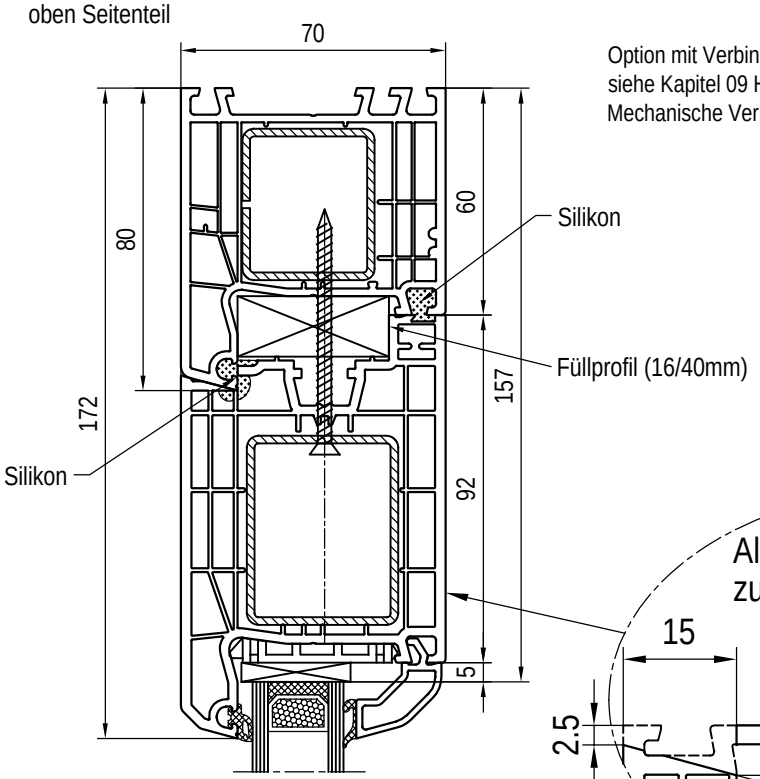




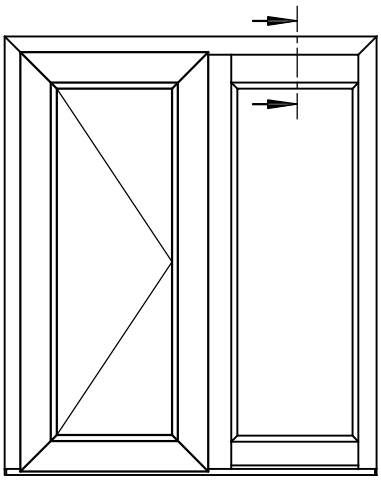
seitlich 13mm!

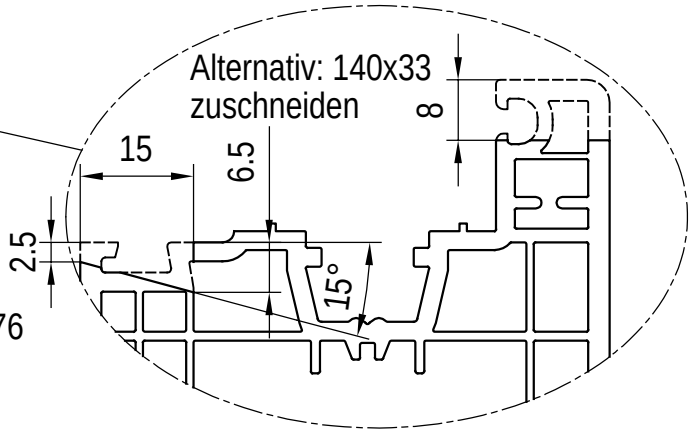
140x03 - 140x33 - 120846/120876

oben Seitenteil



Option mit Verbinder 627107
siehe Kapitel 09 H
Mechanische Verbindungen



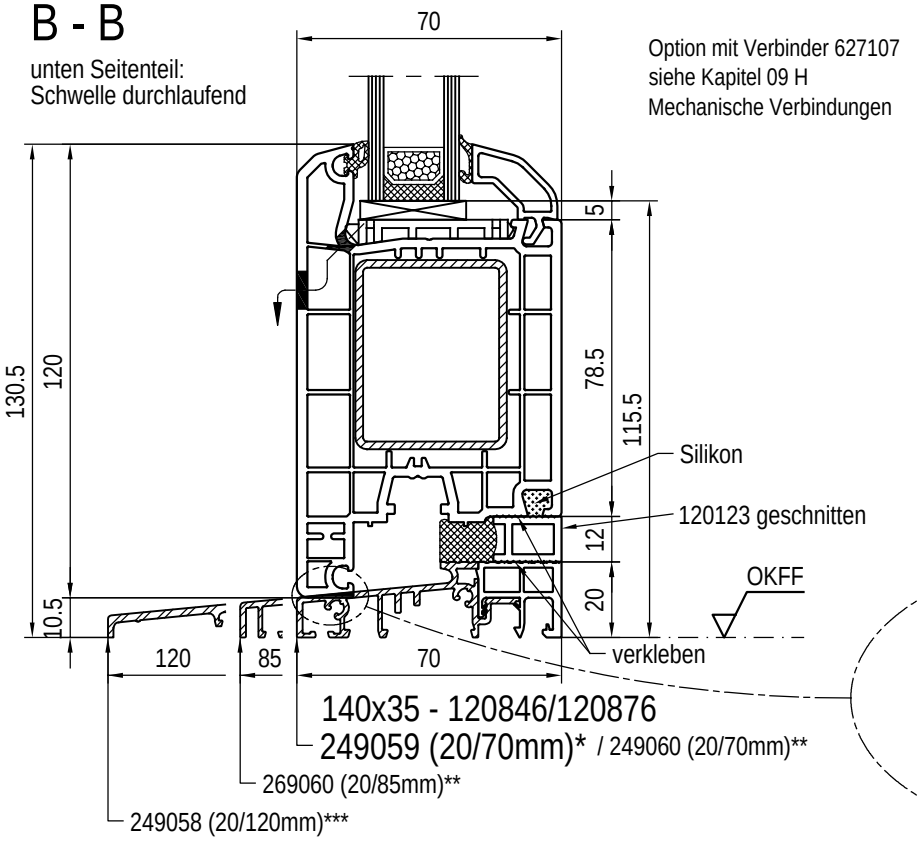


140x03 - 140x36 - 120846/120876
Bei farbigen Profilen müssen besondere Vorkehrungen getroffen werden!

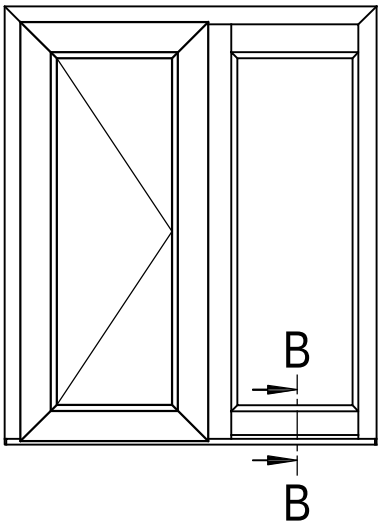
Haustür / Schwellen-Kombinationen
oben Rahmen - Flügel / oben Seitenteil

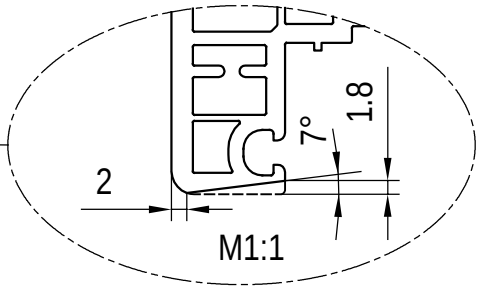
B - B

unten Seitenteil:
Schwelle durchlaufend



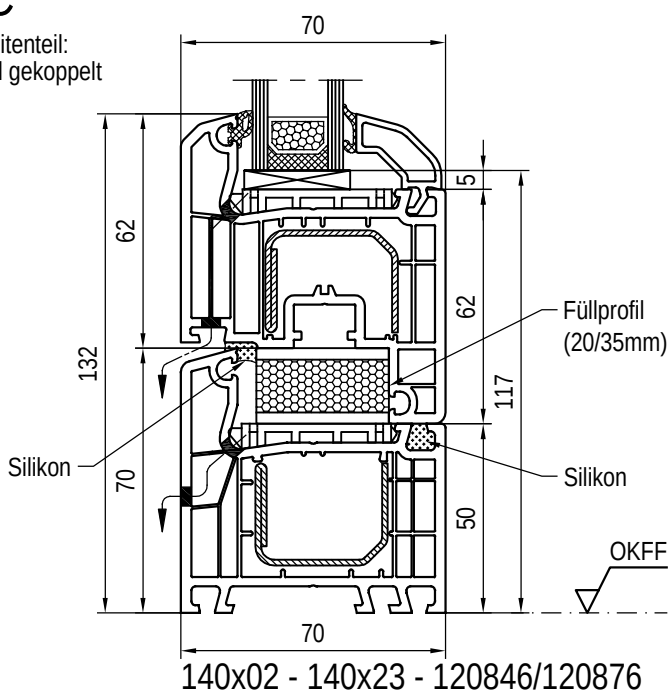
Option mit Verbinder 627107
siehe Kapitel 09 H
Mechanische Verbindungen

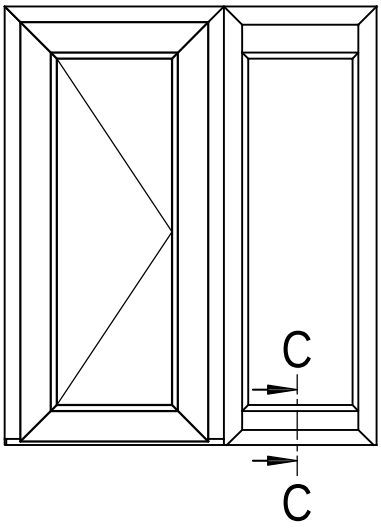




C - C

unten Seitenteil:
Seitenteil gekoppelt



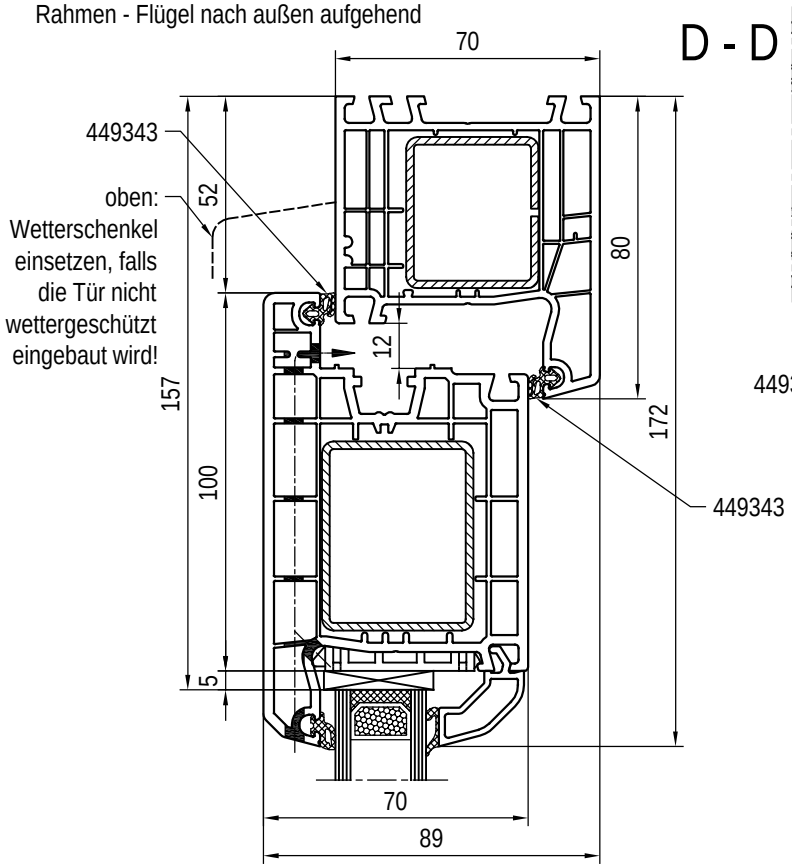


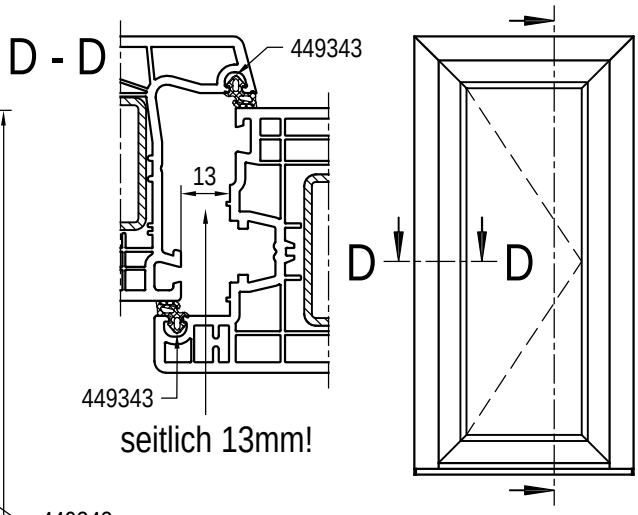
* Haustür-Schwelle
** Dreh-Kipp-Tür-Schwelle
*** Bei Rahmen-Bautiefen von 120mm erforderlich (Dreh-Kipp-Tür-Schwelle)

Schwellen seitlich mit Silikon abdichten

Haustür / Schwellen-Kombinationen unten Seitenteil: durchlaufend / gekoppelt

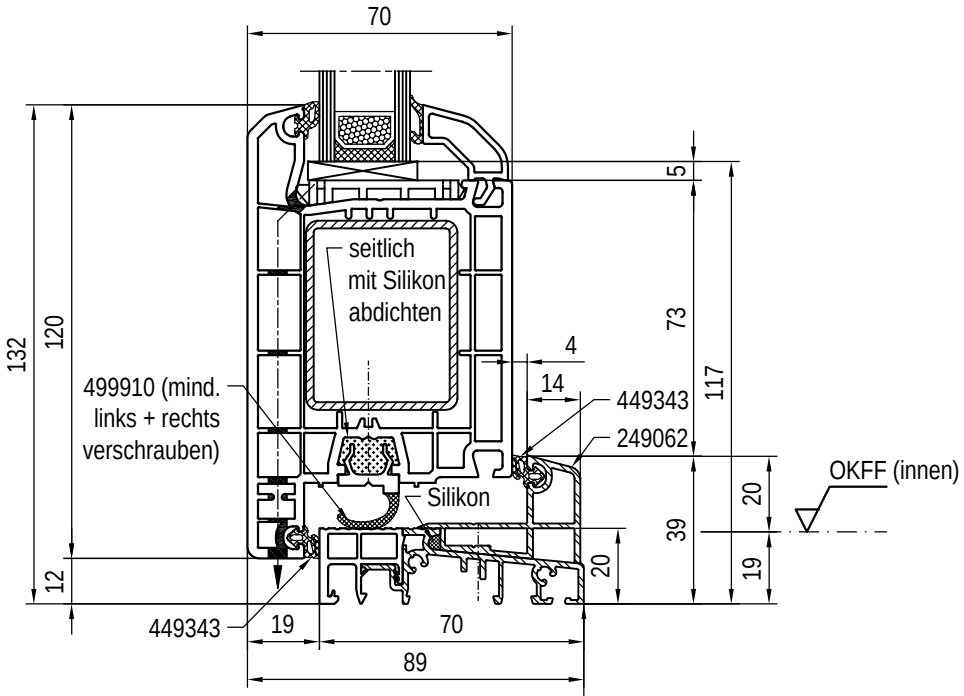
Rahmen - Flügel nach außen aufgehend





140x03 - 140x35 - 120846/120876

Schwelle - Flügel nach außen aufgehend



140x35 - 120846/120876 — 249059 (20/70mm)* / 249060 (20/70mm)**
269060 (20/85mm)**
249058 (20/120mm)***

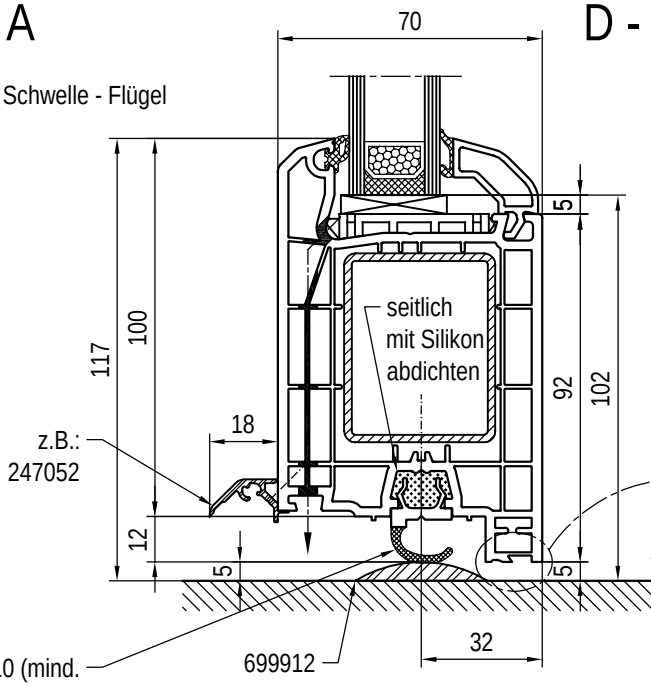
* Haustür-Schwelle
** Dreh-Kipp-Tür-Schwelle
*** Bei Rahmen-Bautiefen von 120mm erforderlich (Dreh-Kipp-Tür-Schwelle)

Schwellen seitlich mit Silikon abdichten

Haustür / Schwellen-Kombinationen
Schwelle / Rahmen - Flügel nach außen aufgehend

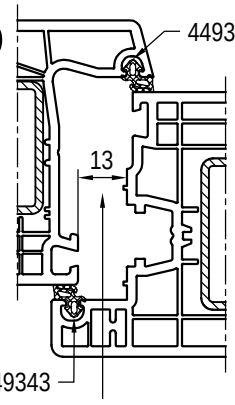
A - A

unten:
flache Schwelle - Flügel

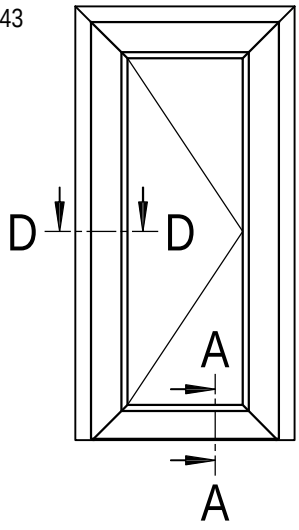


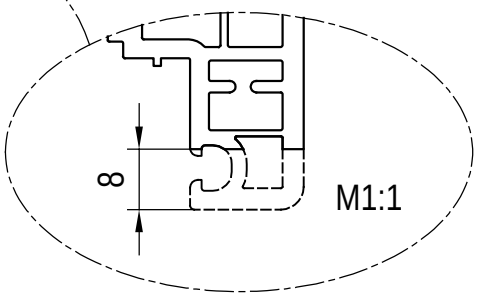
140x33 - 120846/120876
nur im Innen-Bereich

D - D

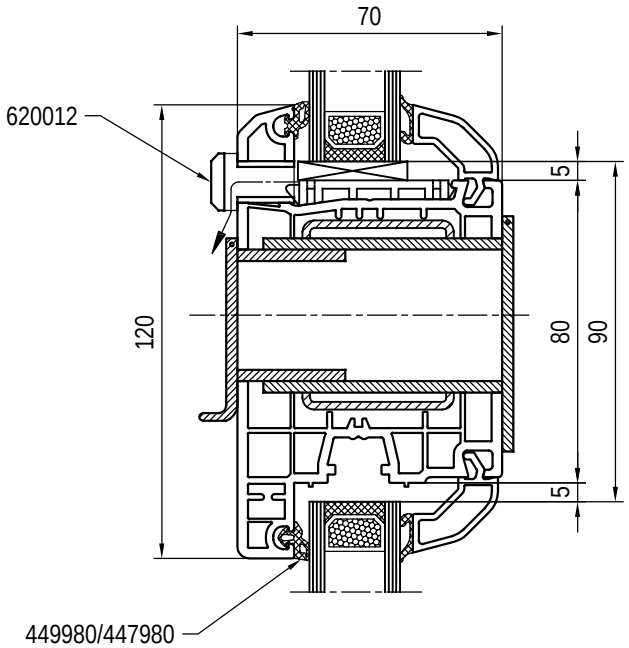


seitlich 13mm!

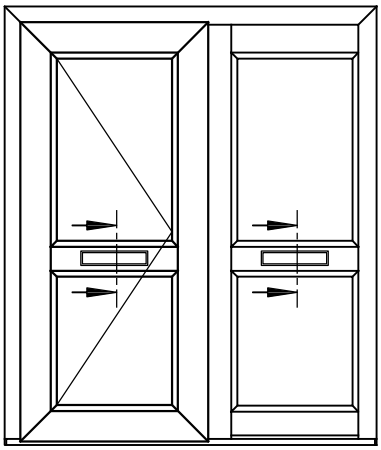




Kämpfer mit Briefkasten

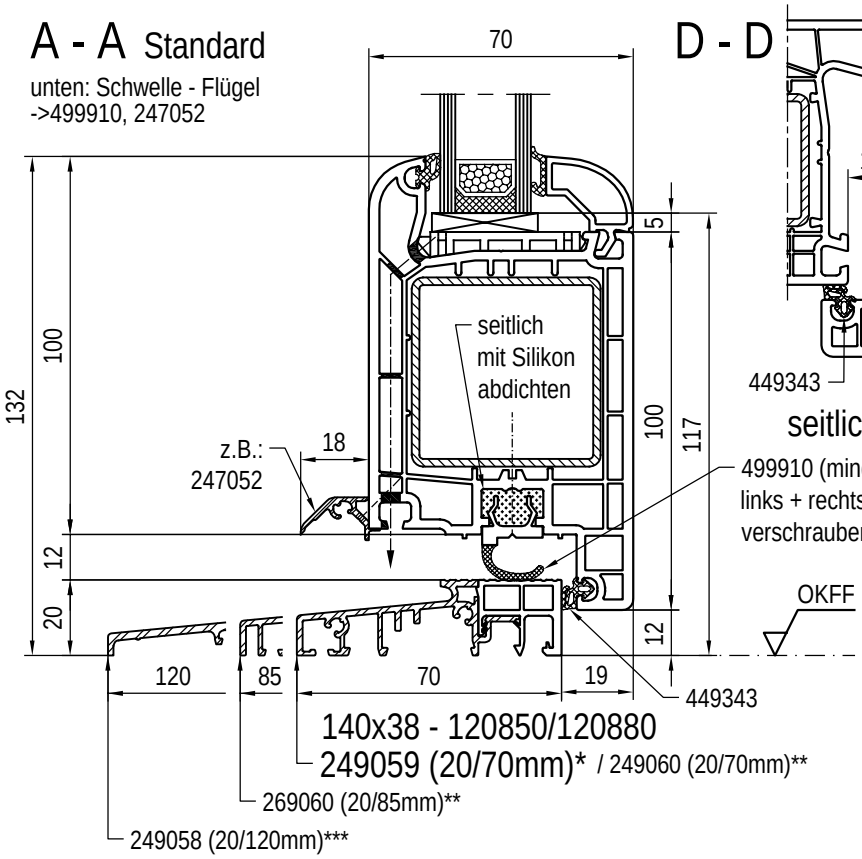


140x35 - 120846/120876
Briefdurchwurf (Briefkasten)

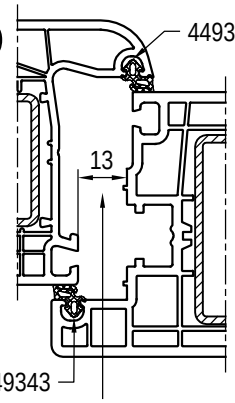


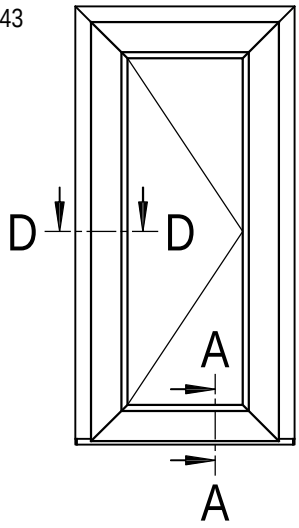
A - A Standard

unten: Schwelle - Flügel
->499910, 247052



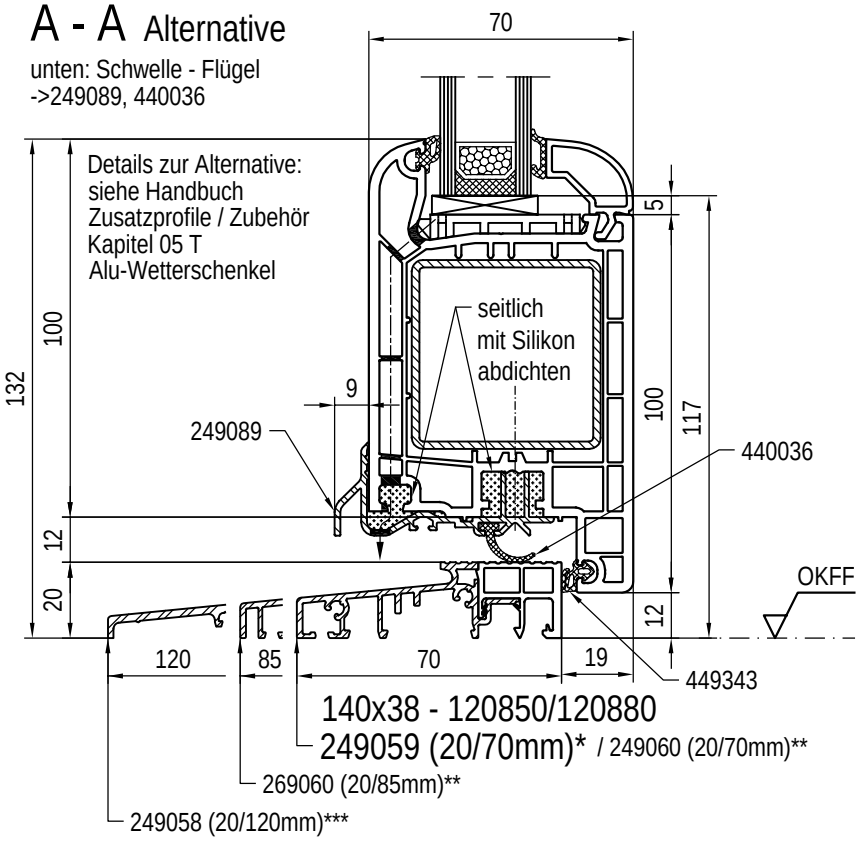
D - D





A - A Alternative

unten: Schwelle - Flügel
->249089, 440036



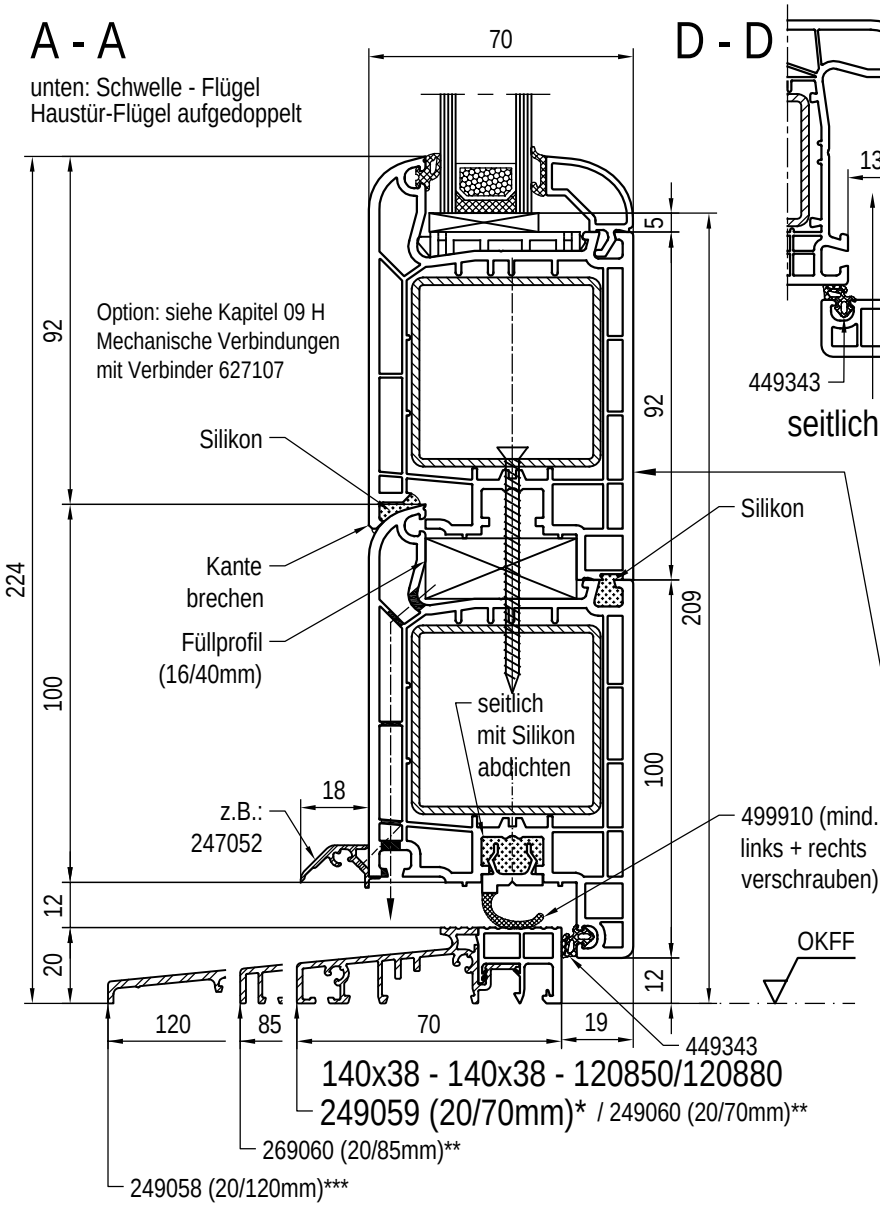
* Haustür-Schwelle
** Dreh-Kipp-Tür-Schwelle
*** Bei Rahmen-Bautiefen von 120mm erforderlich (Dreh-Kipp-Tür-Schwelle)

Schwellen seitlich mit Silikon abdichten

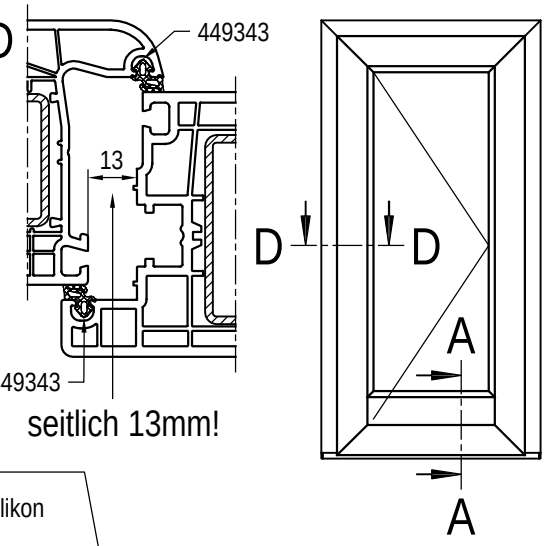
Round-line: Haustür / Schwellen-Kombinationen unten: Schwelle - Flügel

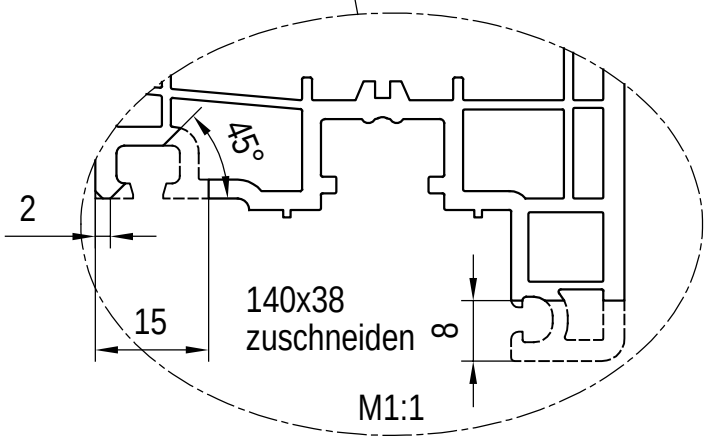
A - A

unten: Schwelle - Flügel
Haustür-Flügel aufgedoppelt



D - D



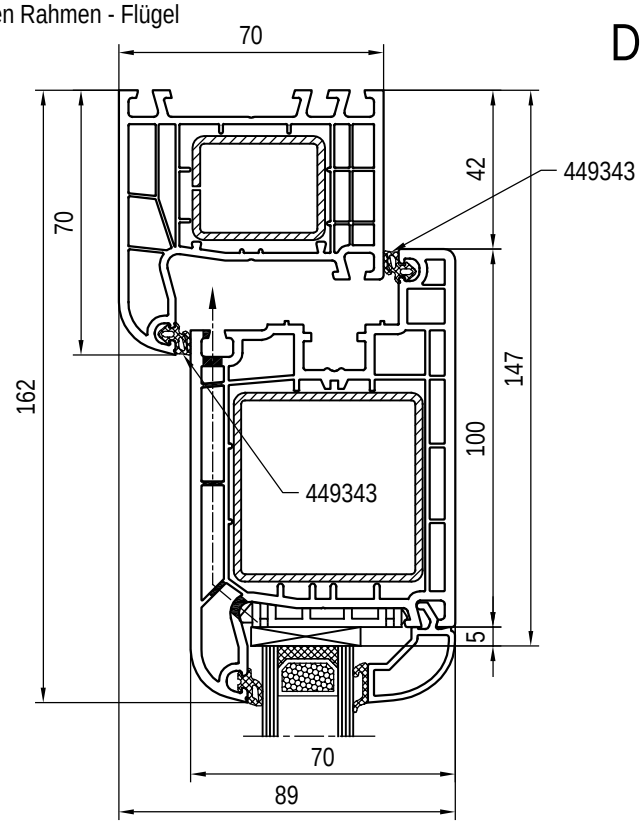


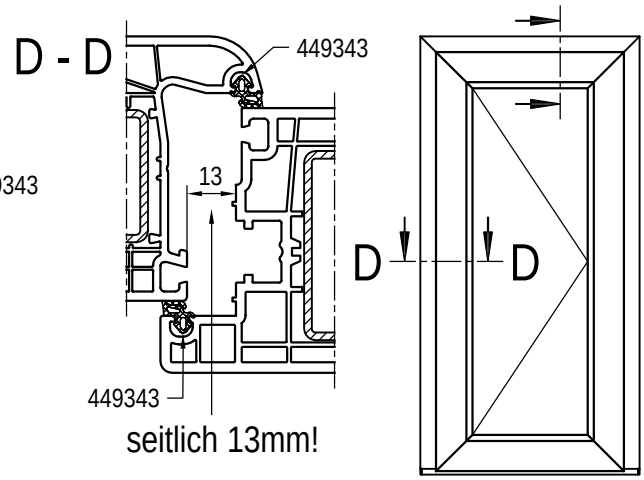
* Haustür-Schwelle
** Dreh-Kipp-Tür-Schwelle
*** Bei Rahmen-Bautiefen von 120mm erforderlich (Dreh-Kipp-Tür-Schwelle)

Schwellen seitlich mit Silikon abdichten

Round-line: Haustür / Schwellen-Kombinationen
unten: Schwelle - Flügel aufgedoppelt

oben Rahmen - Flügel

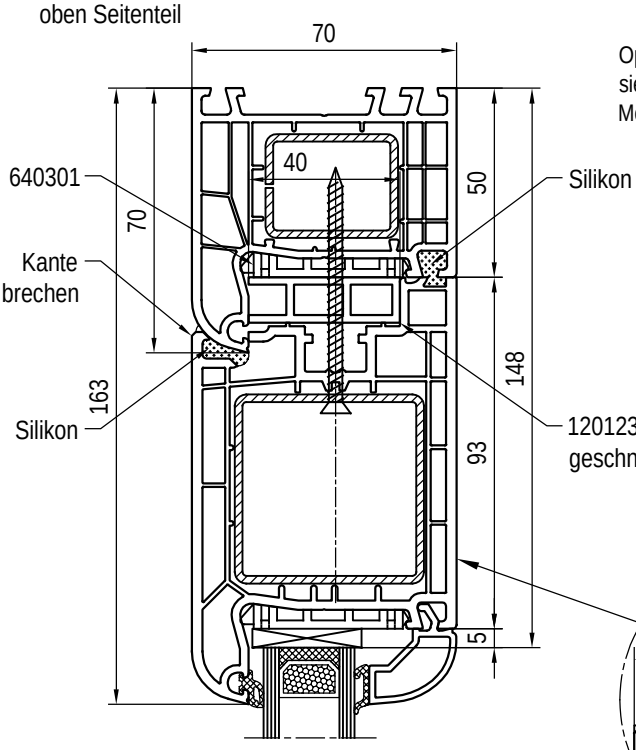




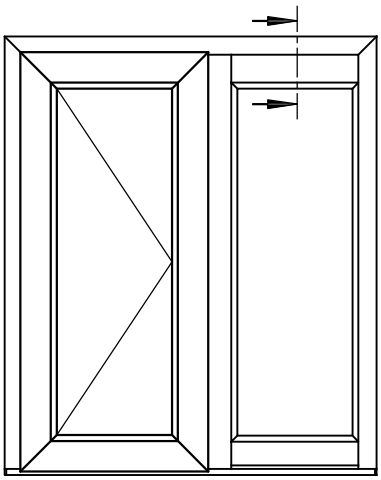
seitlich 13mm!

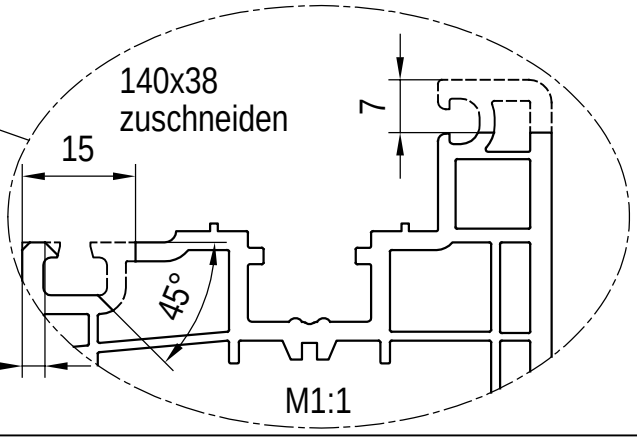
140x08 - 140x38 - 120850/120880

oben Seitenteil



Option mit Verbinder 627107
siehe Kapitel 09 H
Mechanische Verbindungen



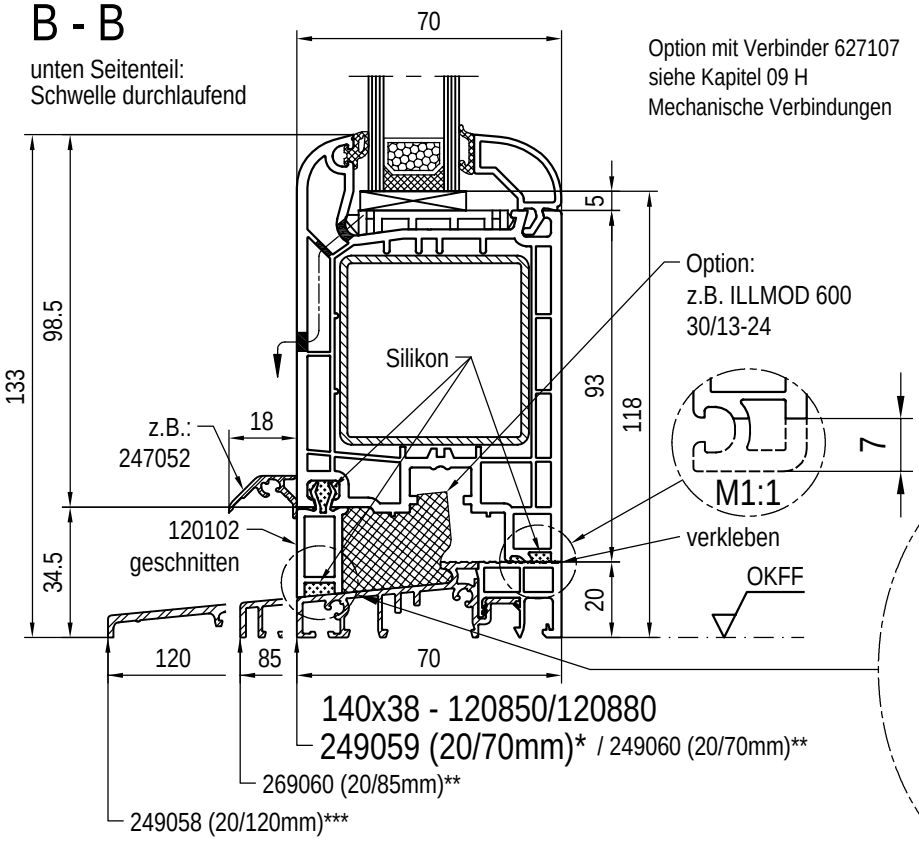


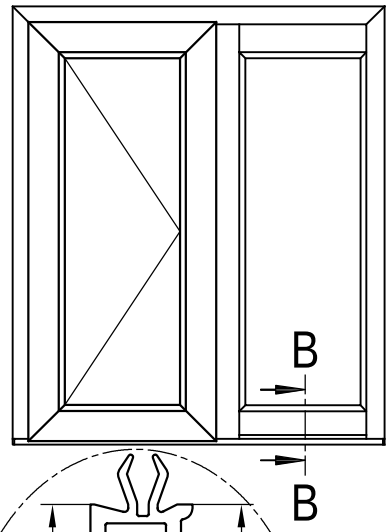
140x08 - 140x38 - 120850/120880
Bei farbigen Profilen müssen besondere Vorkehrungen getroffen werden!

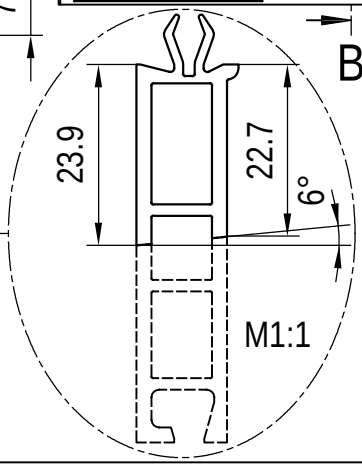
Round-line: Haustür / Schwellen-Kombinationen
oben Rahmen - Flügel / oben Seitenteil

B - B

unten Seitenteil:
Schwelle durchlaufend



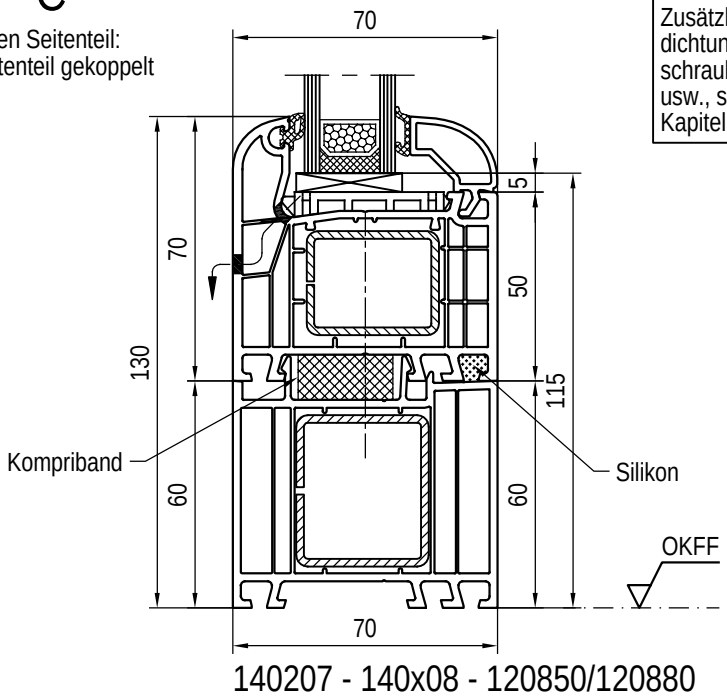


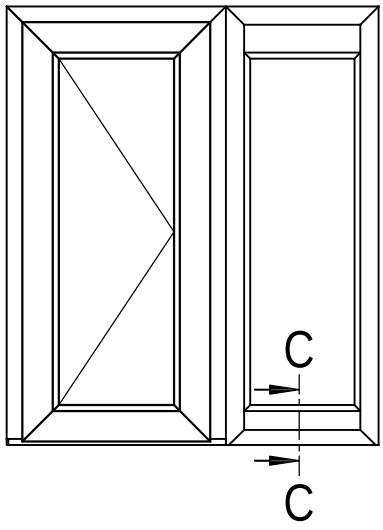


C - C

unten Seitenteil:
Seitenteil gekoppelt

Verbreiterungen:
Zusätzliche Abdichtungen/Verschraubungen usw., siehe VM Kapitel 08 C 3.

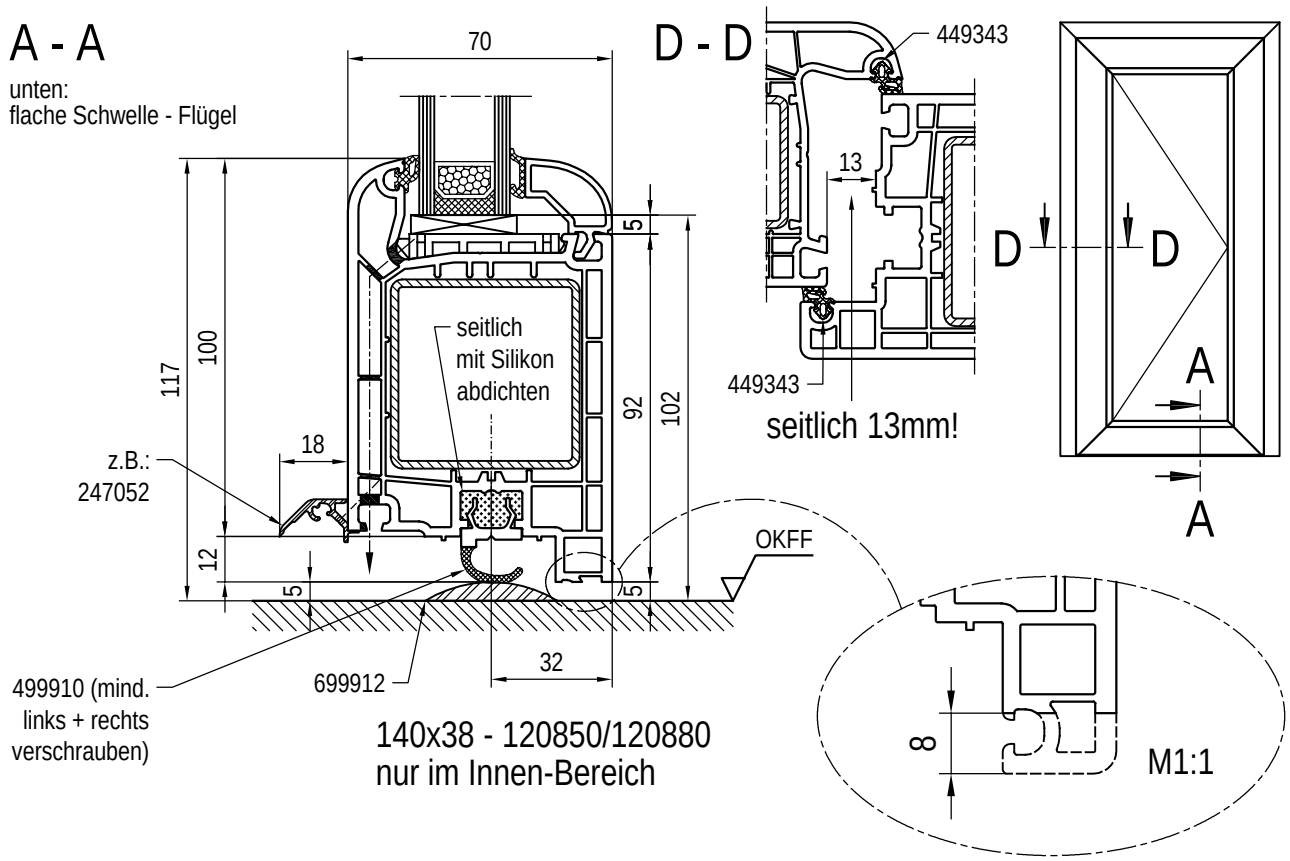


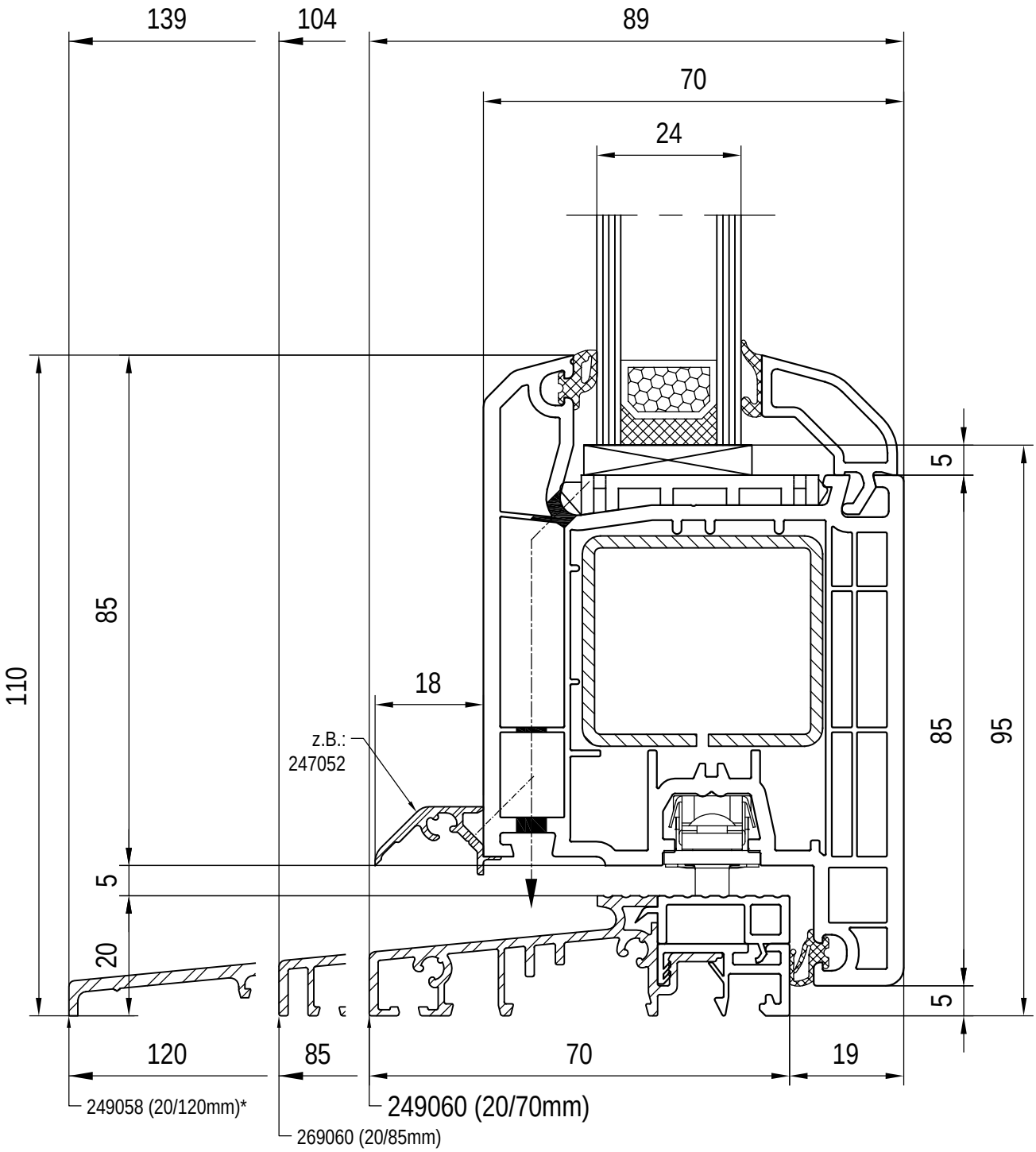


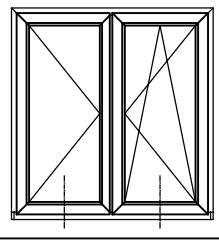
* Haustür-Schwelle
** Dreh-Kipp-Tür-Schwelle
*** Bei Rahmen-Bautiefen von 120mm erforderlich (Dreh-Kipp-Tür-Schwelle)

Schwellen seitlich mit Silikon abdichten

Round-line: Haustür / Schwellen-Kombinationen unten Seitenteil: durchlaufend / gekoppelt

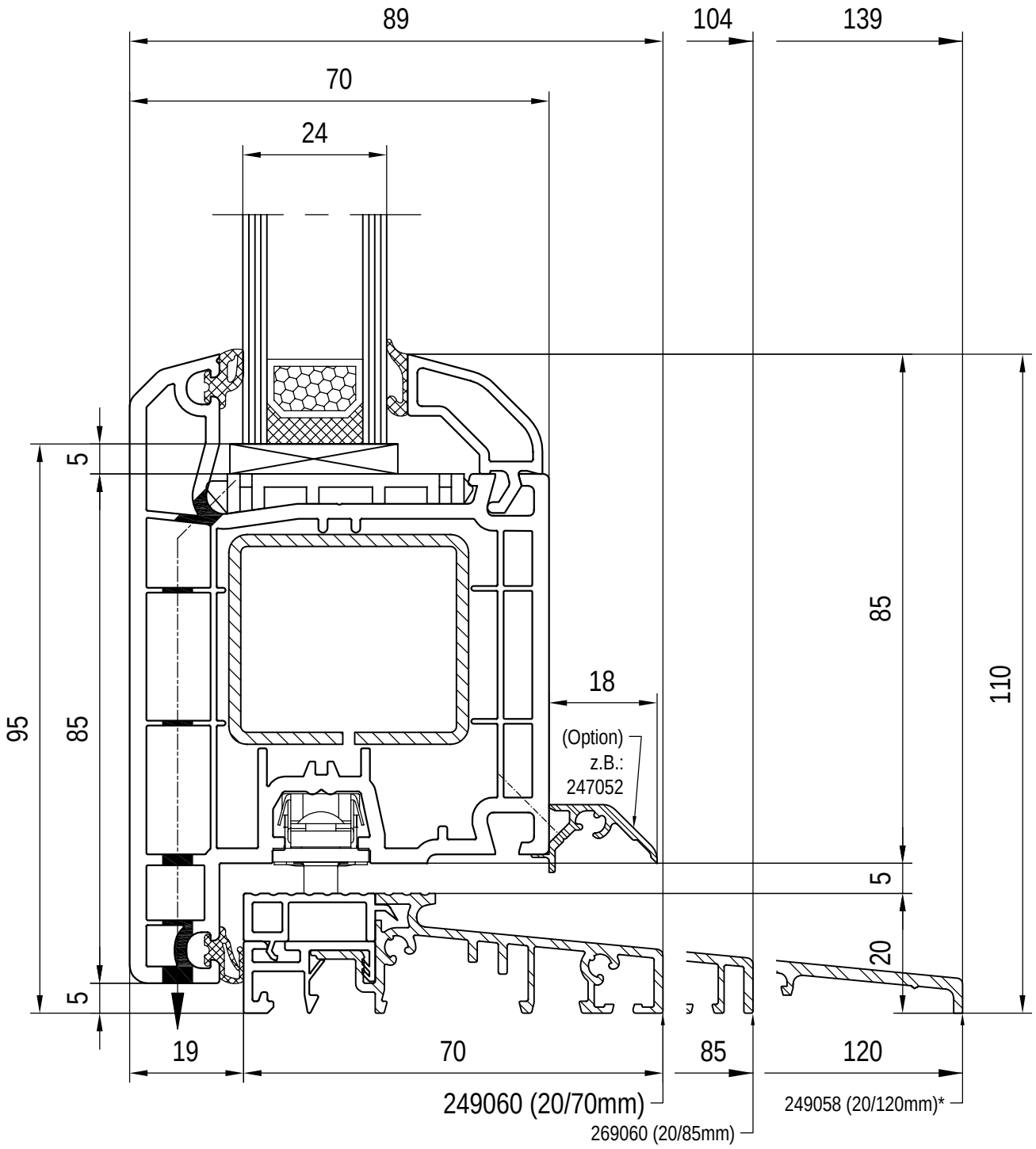

A - A
unten:
flache Schwelle - Flügel
70
117
100
5
92
102
seitlich
mit Silikon
abdichten
18
z.B.:
247052
12
5
5
32
OKFF
499910 (mind.
links + rechts
verschrauben)
699912
140x38 - 120850/120880
nur im Innen-Bereich
D - D
449343
13
449343
seitlich 13mm!
D
D
A
A
8
M1:1

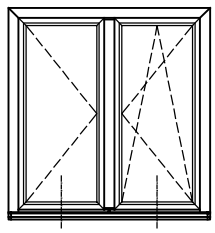




Schwellen seitlich mit Silikon abdichten

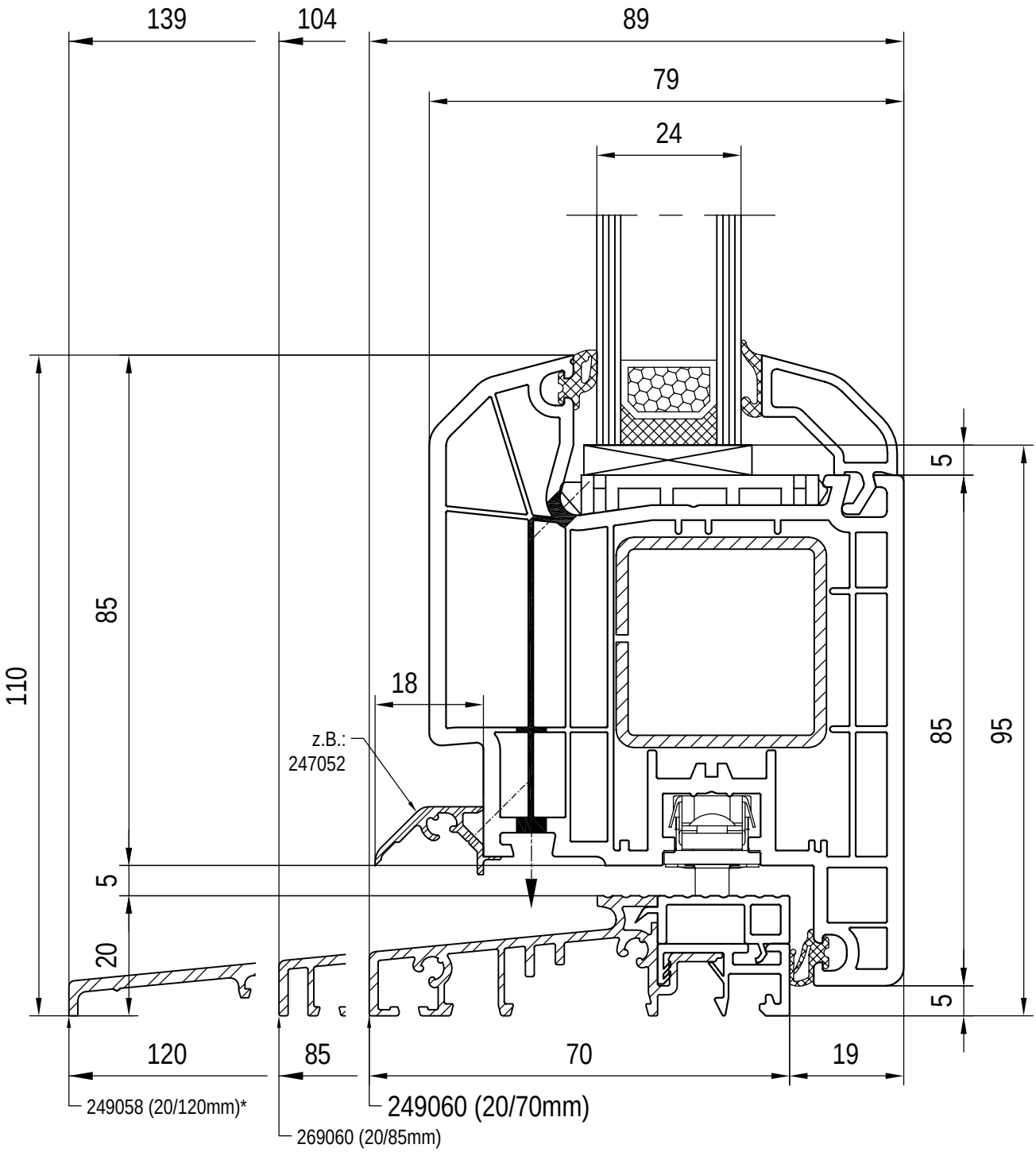
* Bei Rahmen-Bautiefen von 120mm erforderlich

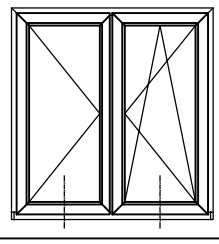




Schwellen seitlich mit Silikon abdichten

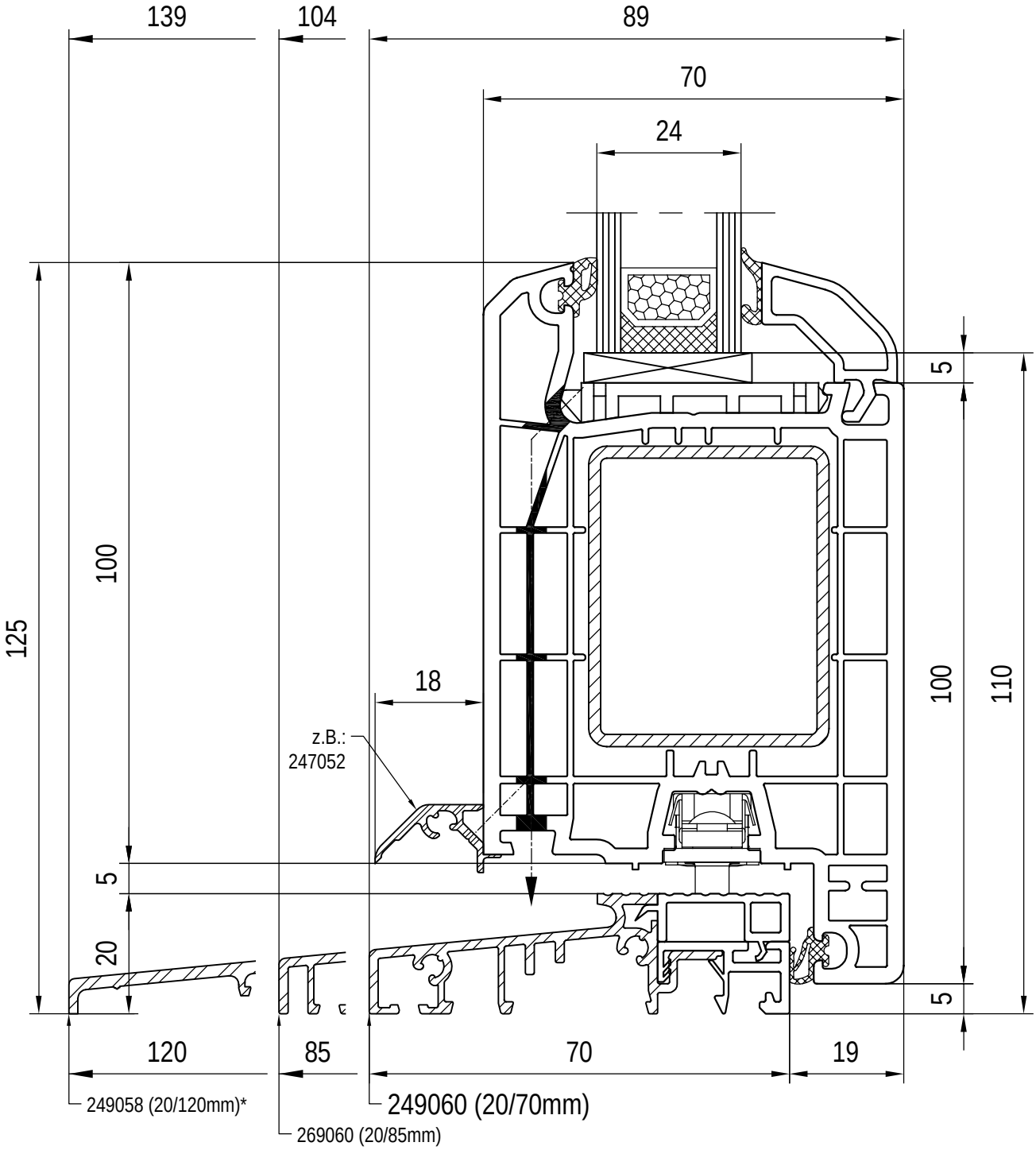
* Bei Rahmen-Bautiefen von 120mm erforderlich

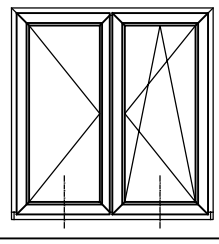




Schwellen seitlich mit Silikon abdichten

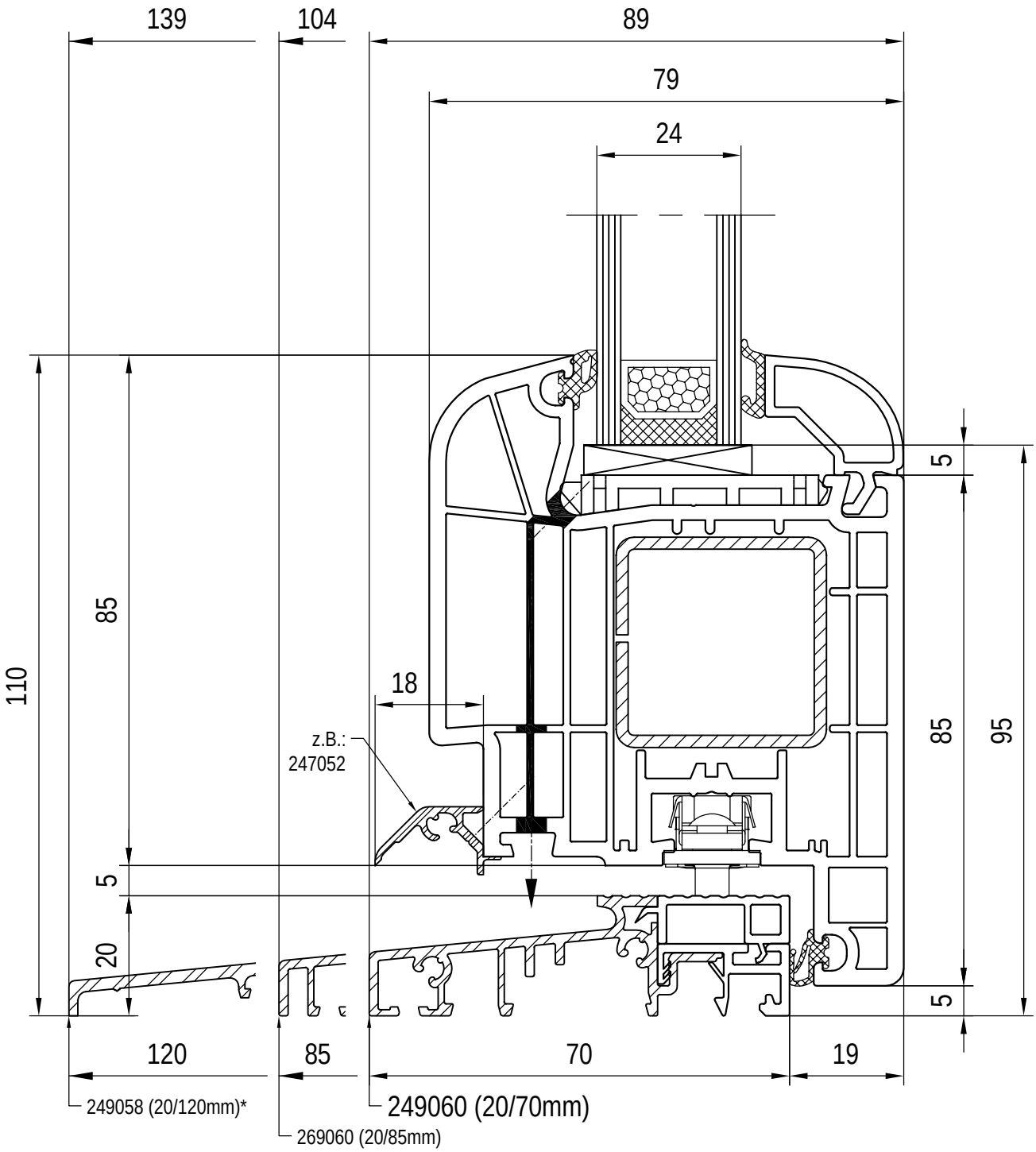
* Bei Rahmen-Bautiefen von 120mm erforderlich

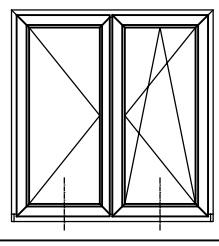




Schwellen seitlich mit Silikon abdichten

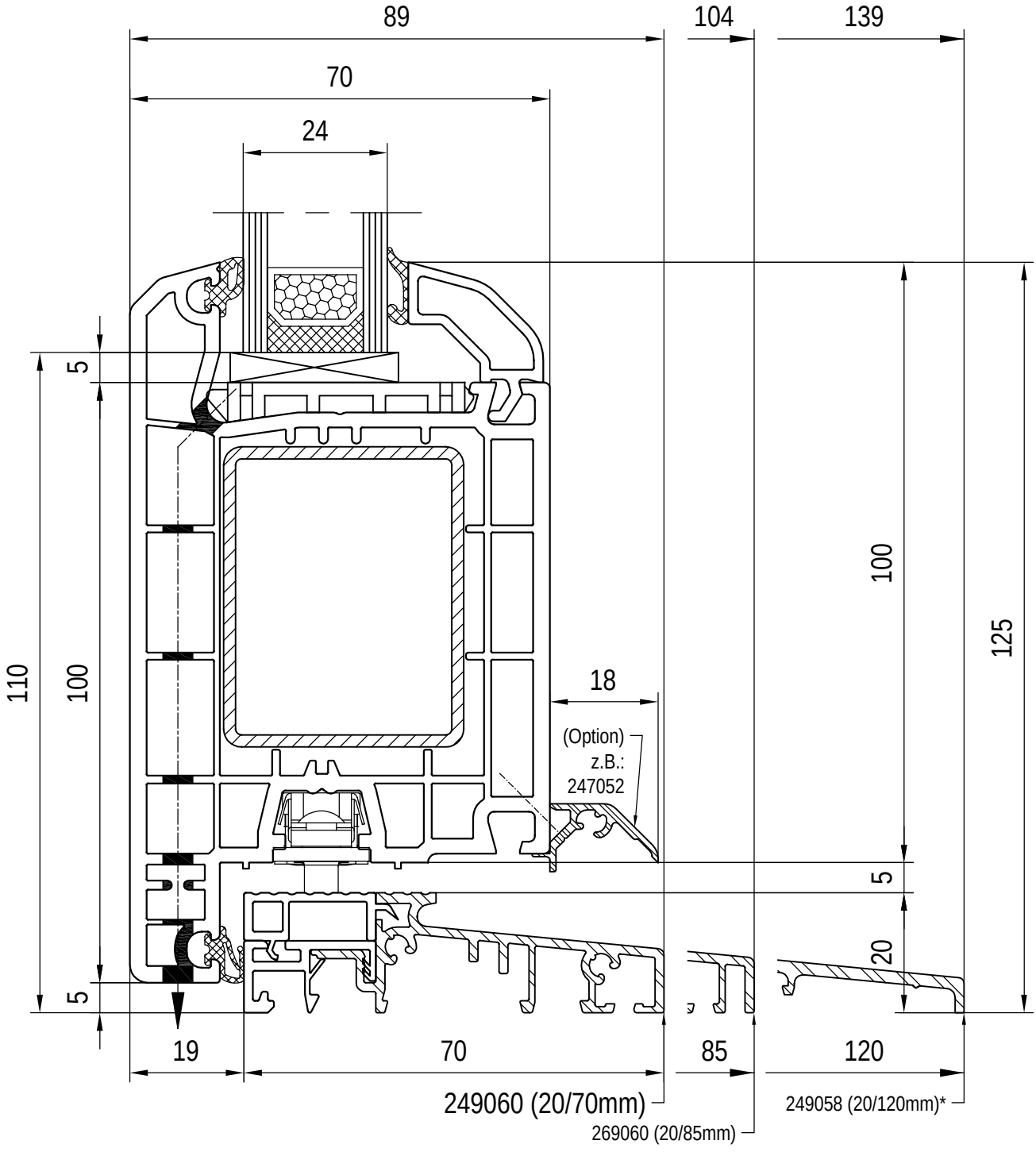
* Bei Rahmen-Bautiefen von 120mm erforderlich

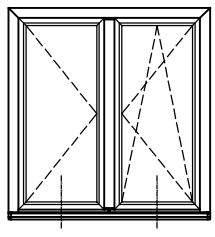




Schwellen seitlich mit Silikon abdichten

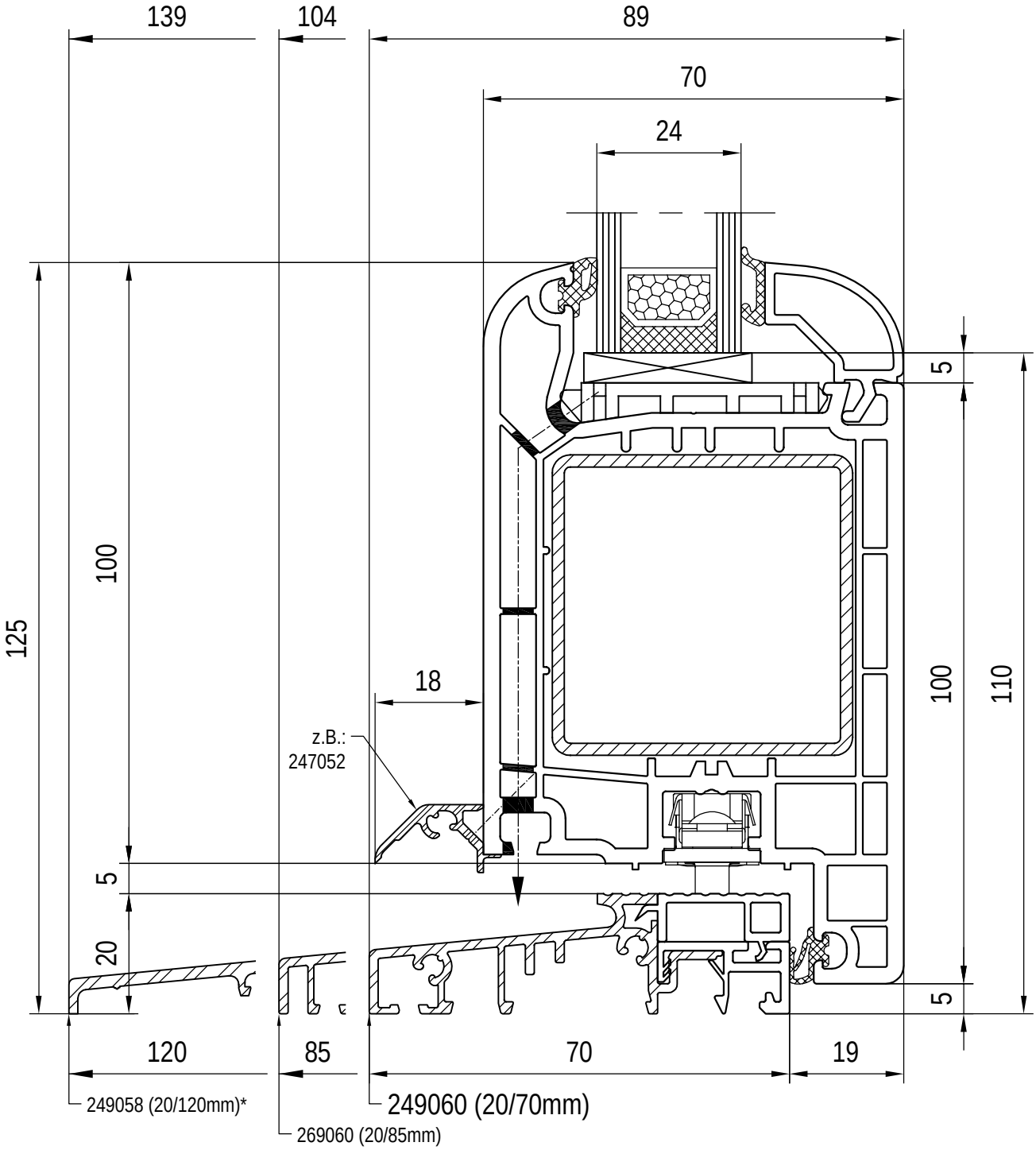
* Bei Rahmen-Bautiefen von 120mm erforderlich

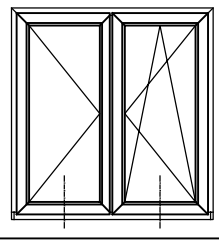




Schwellen seitlich mit Silikon abdichten

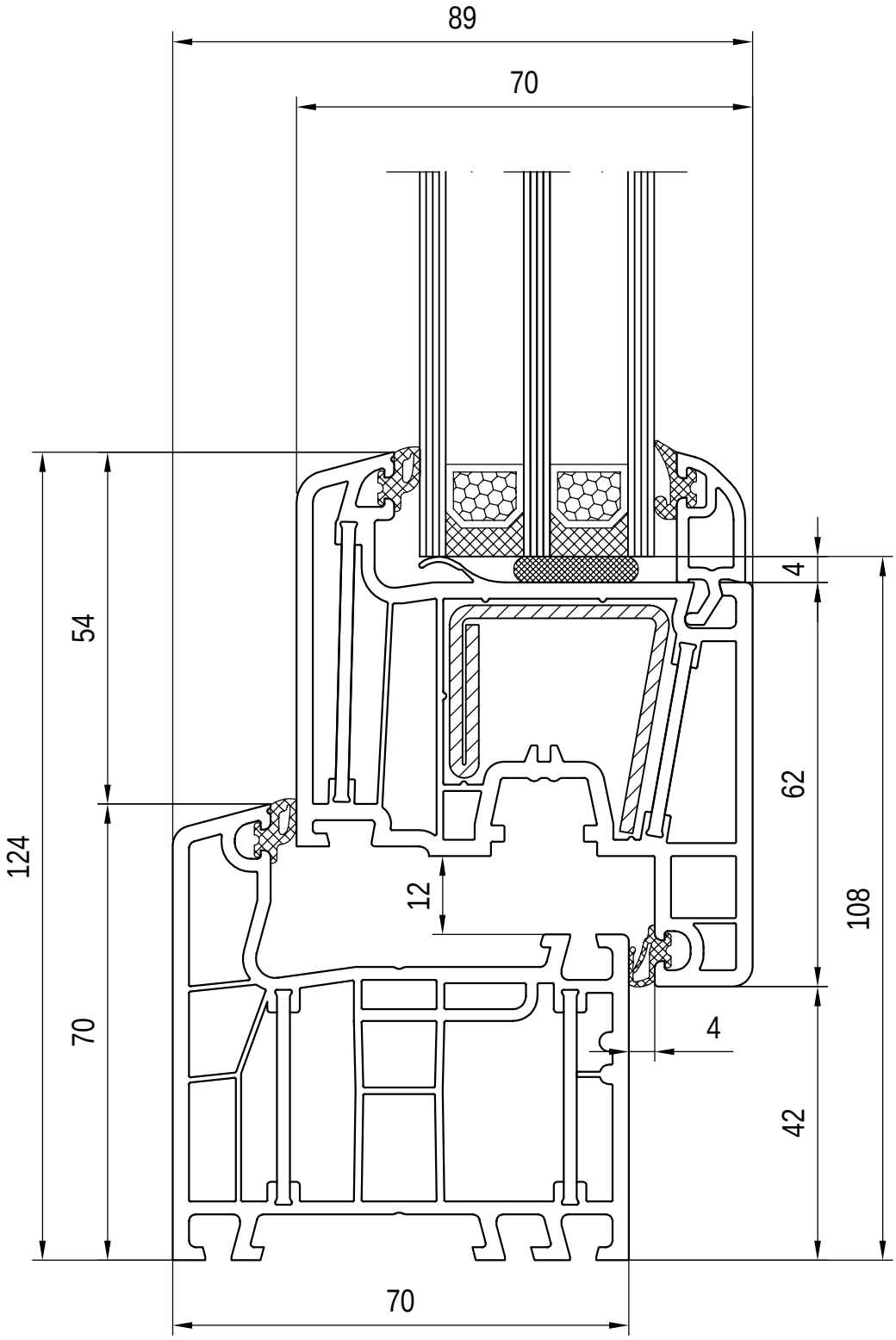
* Bei Rahmen-Bautiefen von 120mm erforderlich

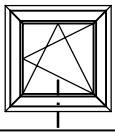




Schwellen seitlich mit Silikon abdichten

* Bei Rahmen-Bautiefen von 120mm erforderlich

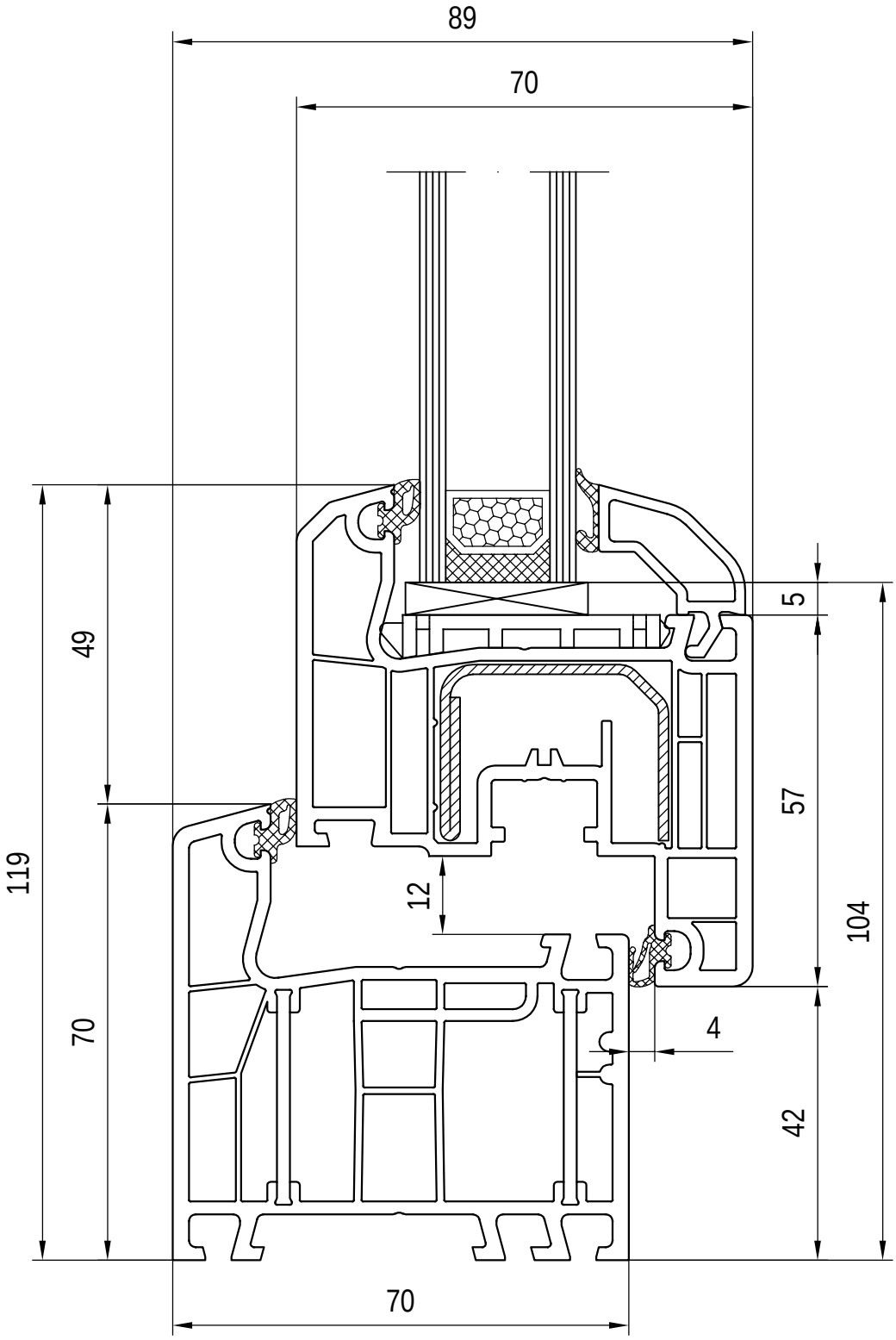


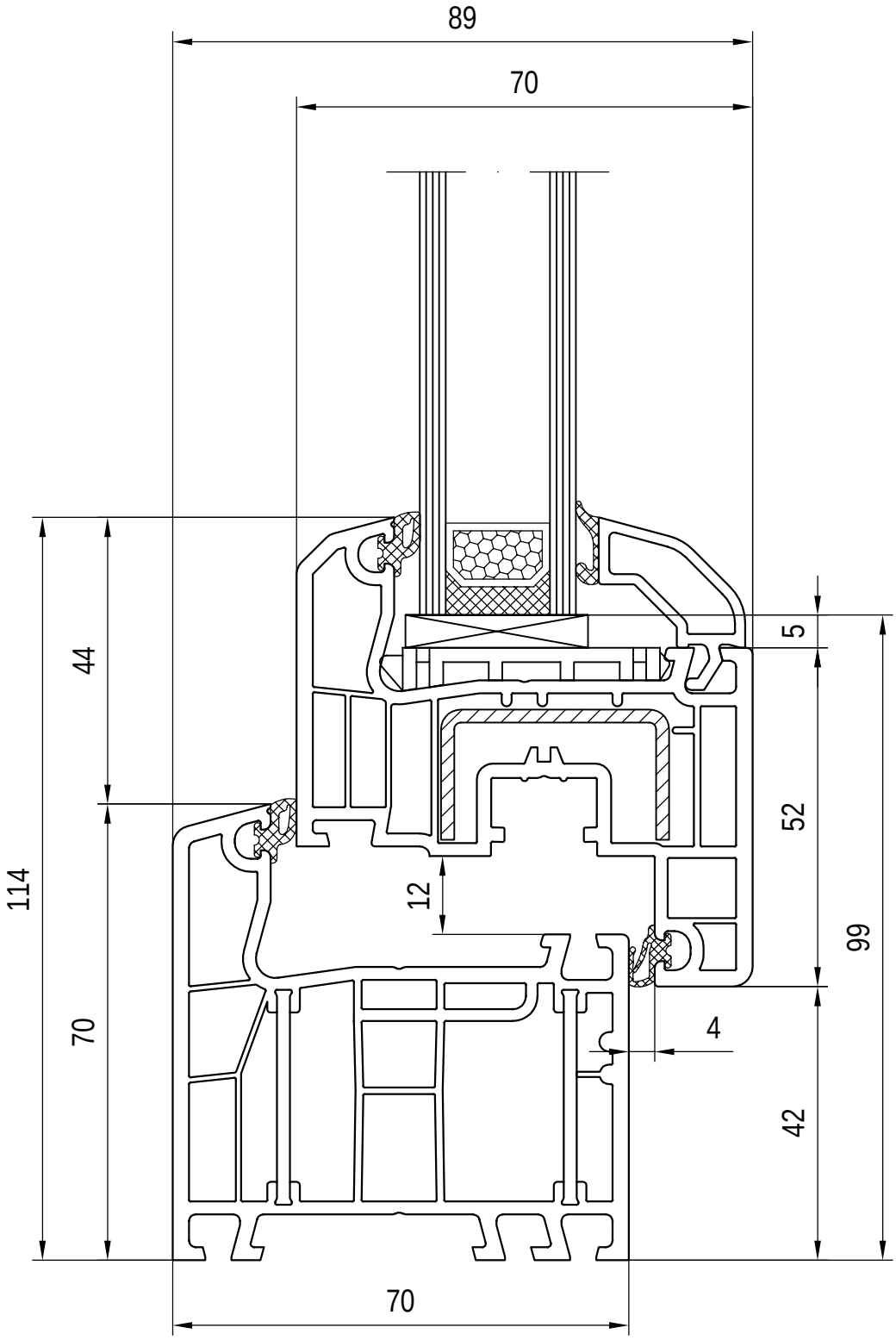


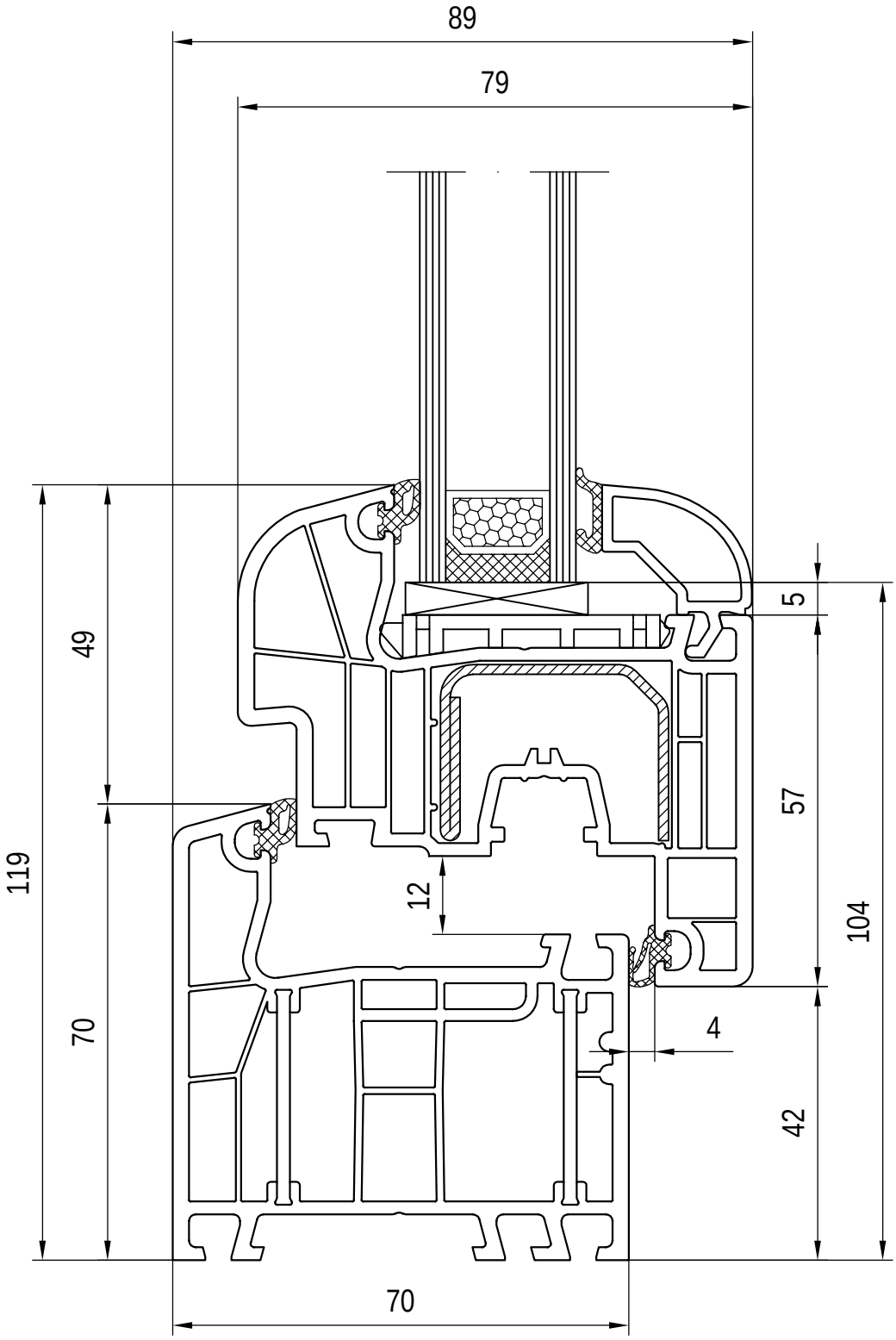
Kombinationen: Rahmen - Flügel

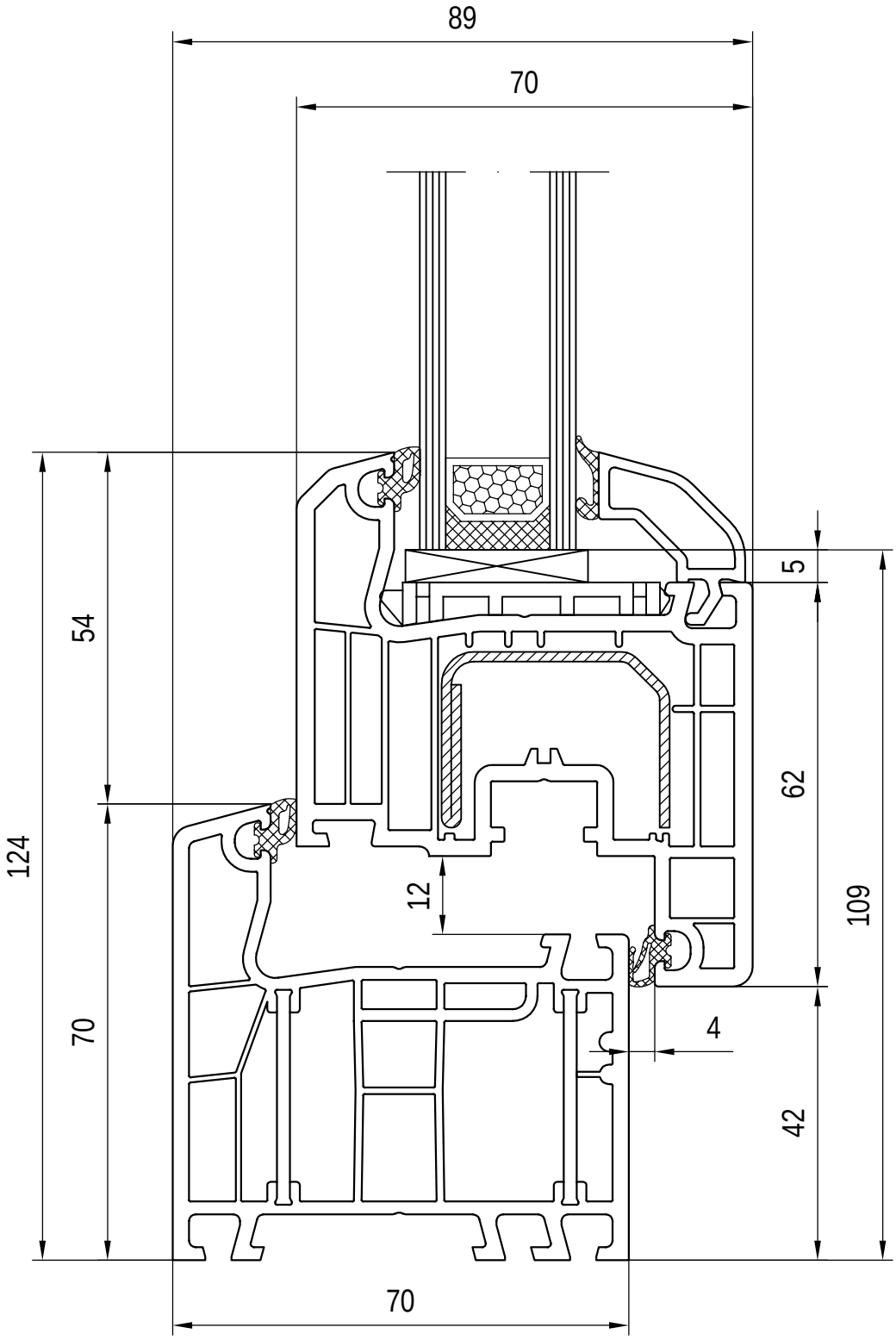
Glasleiste 120849/120879

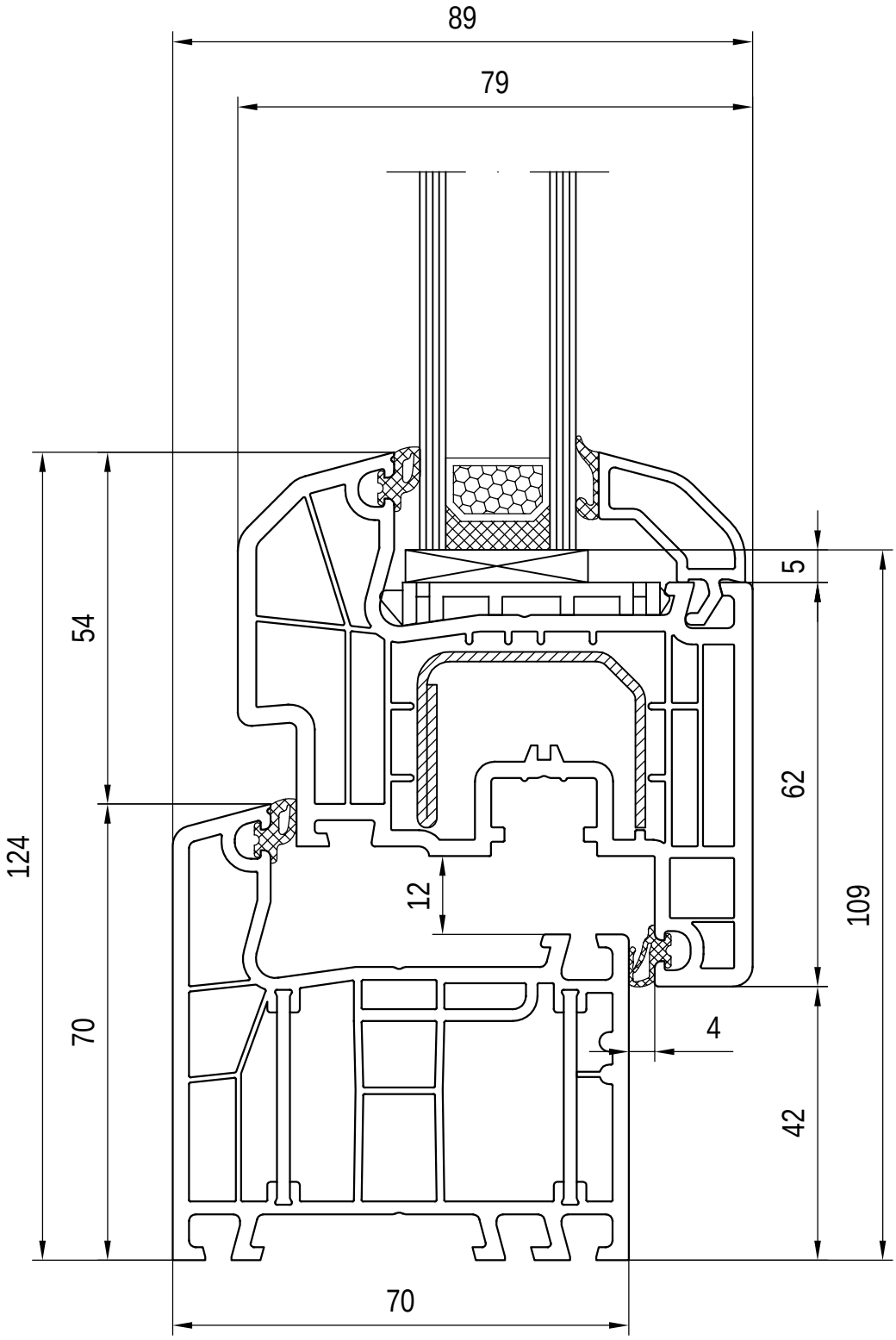
Rahmen 040x07
Flügel 040x83

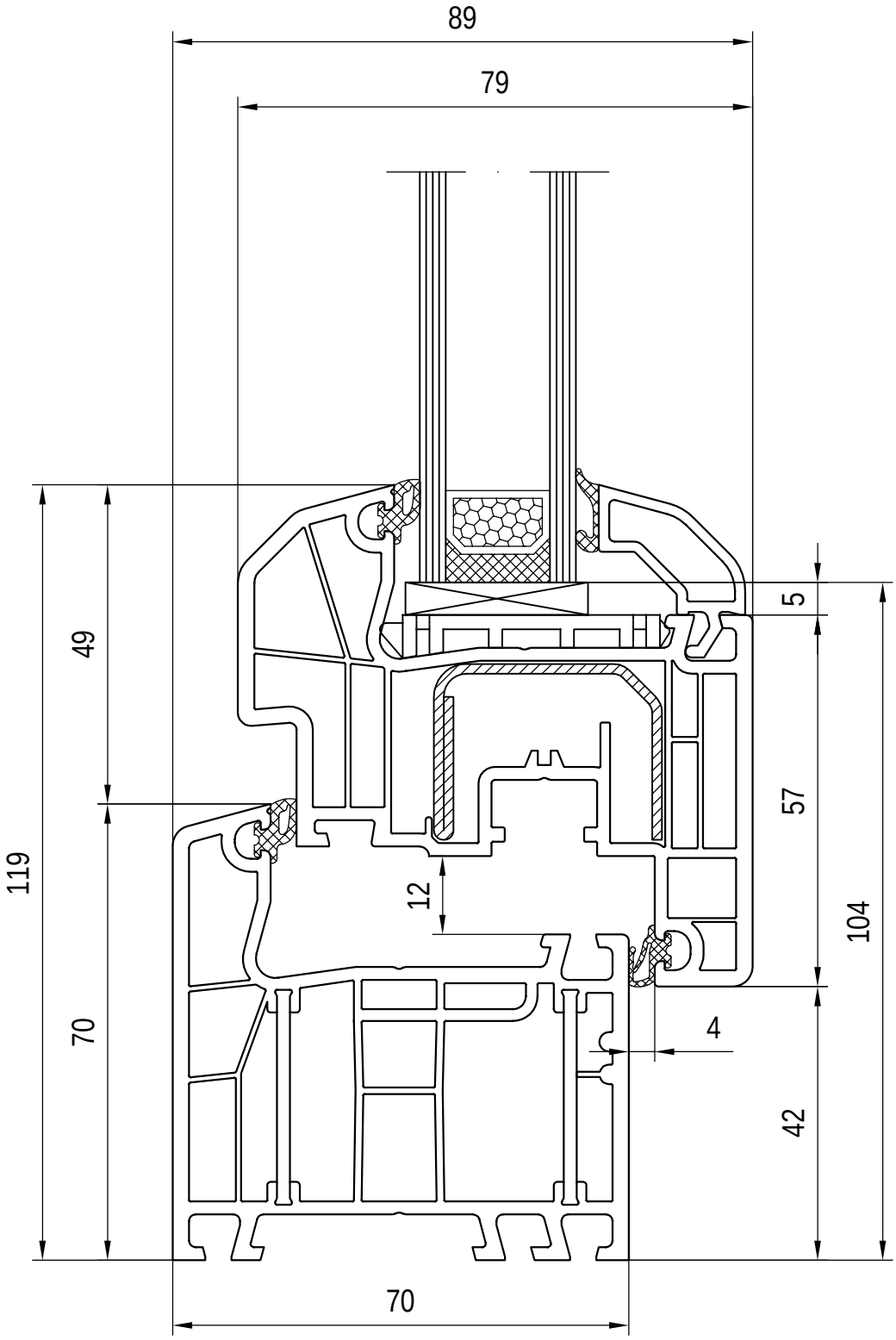

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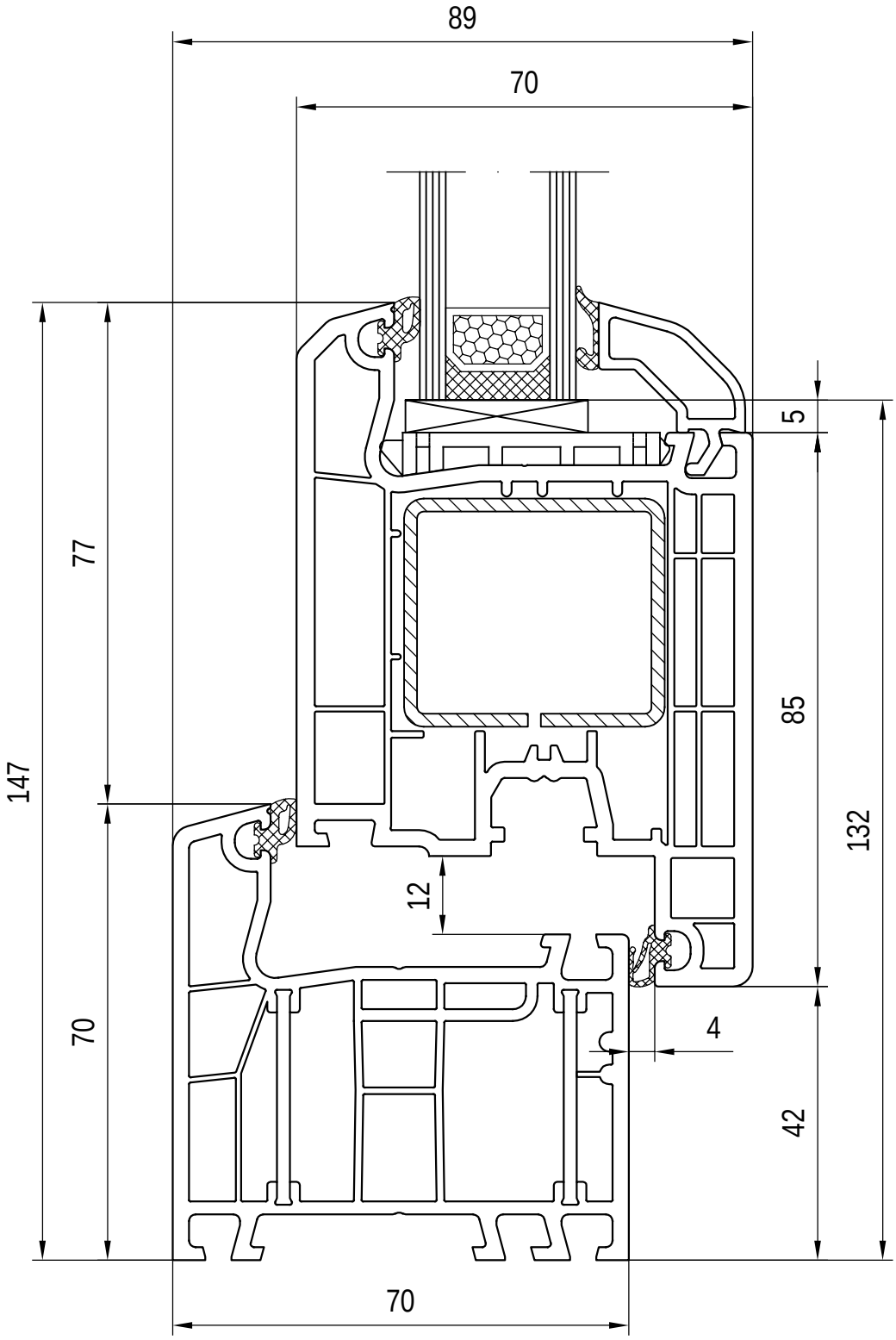

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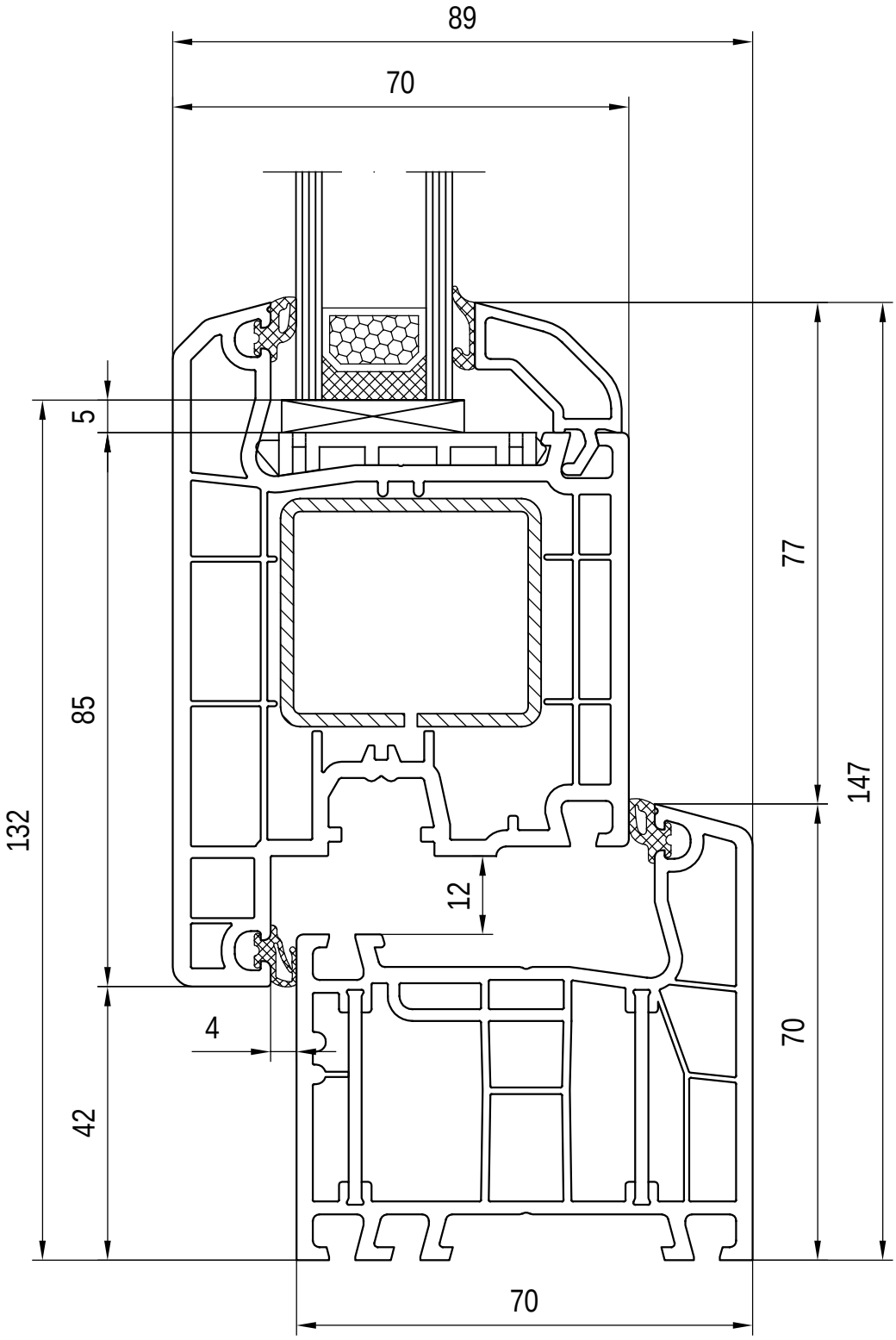

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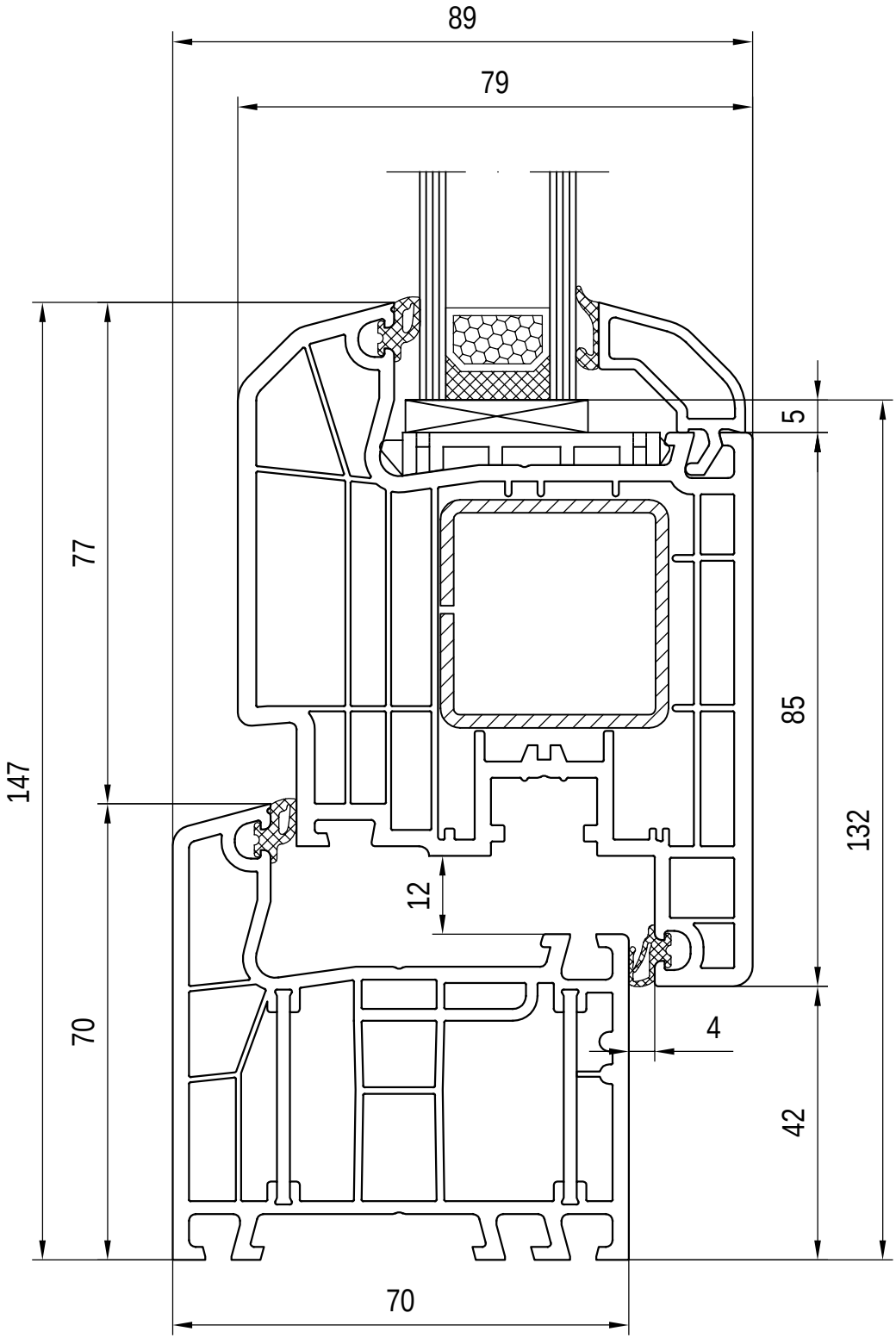

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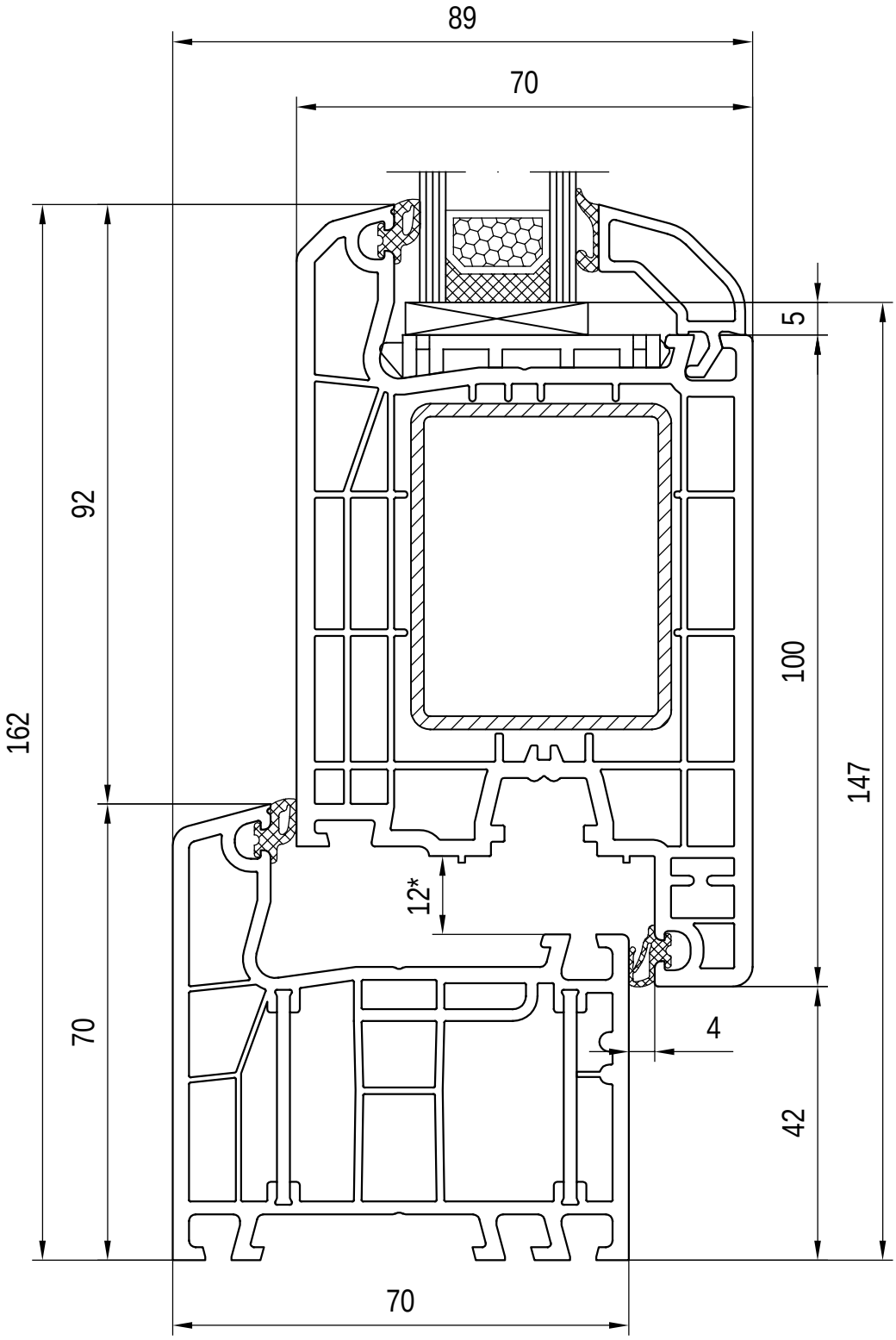

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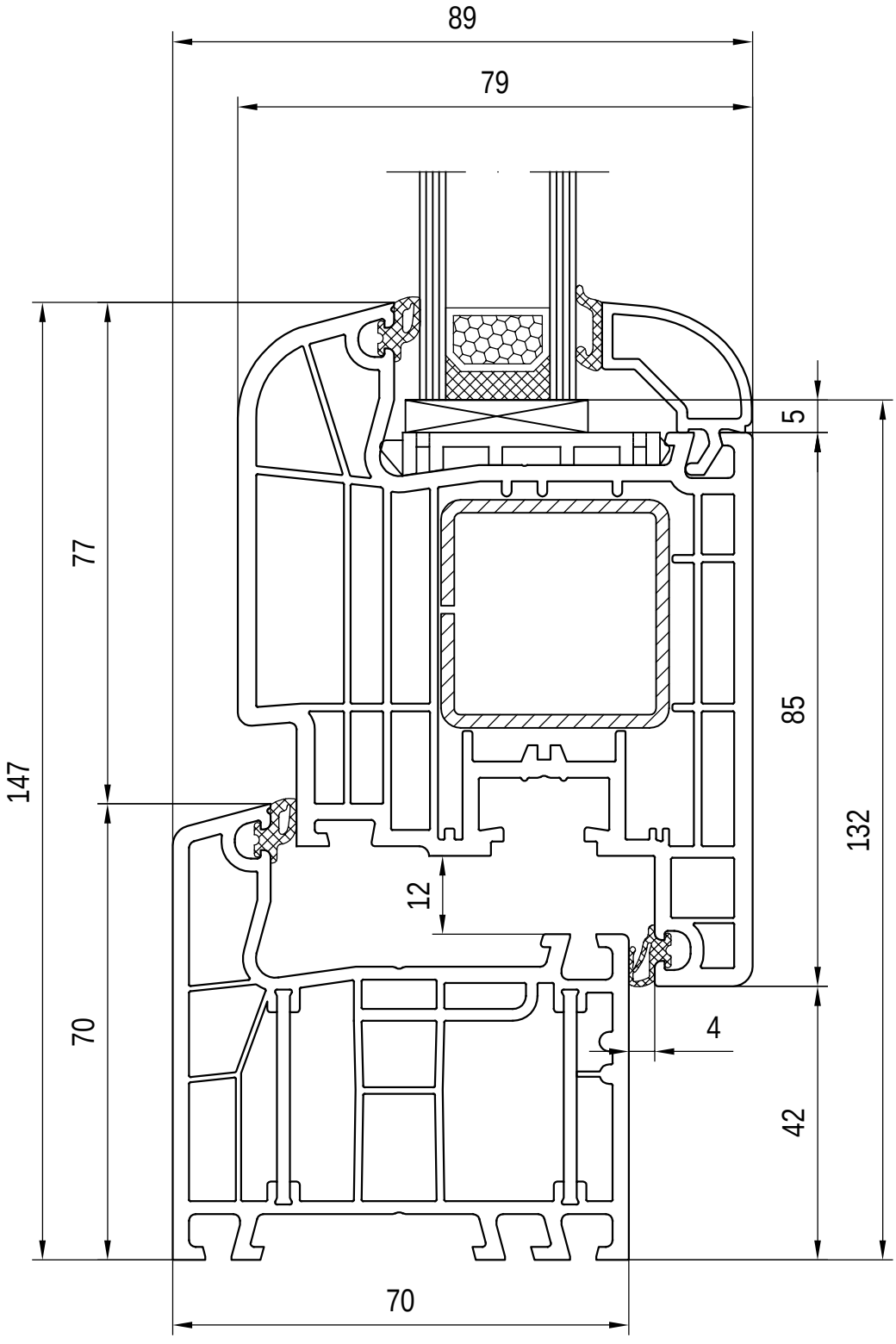

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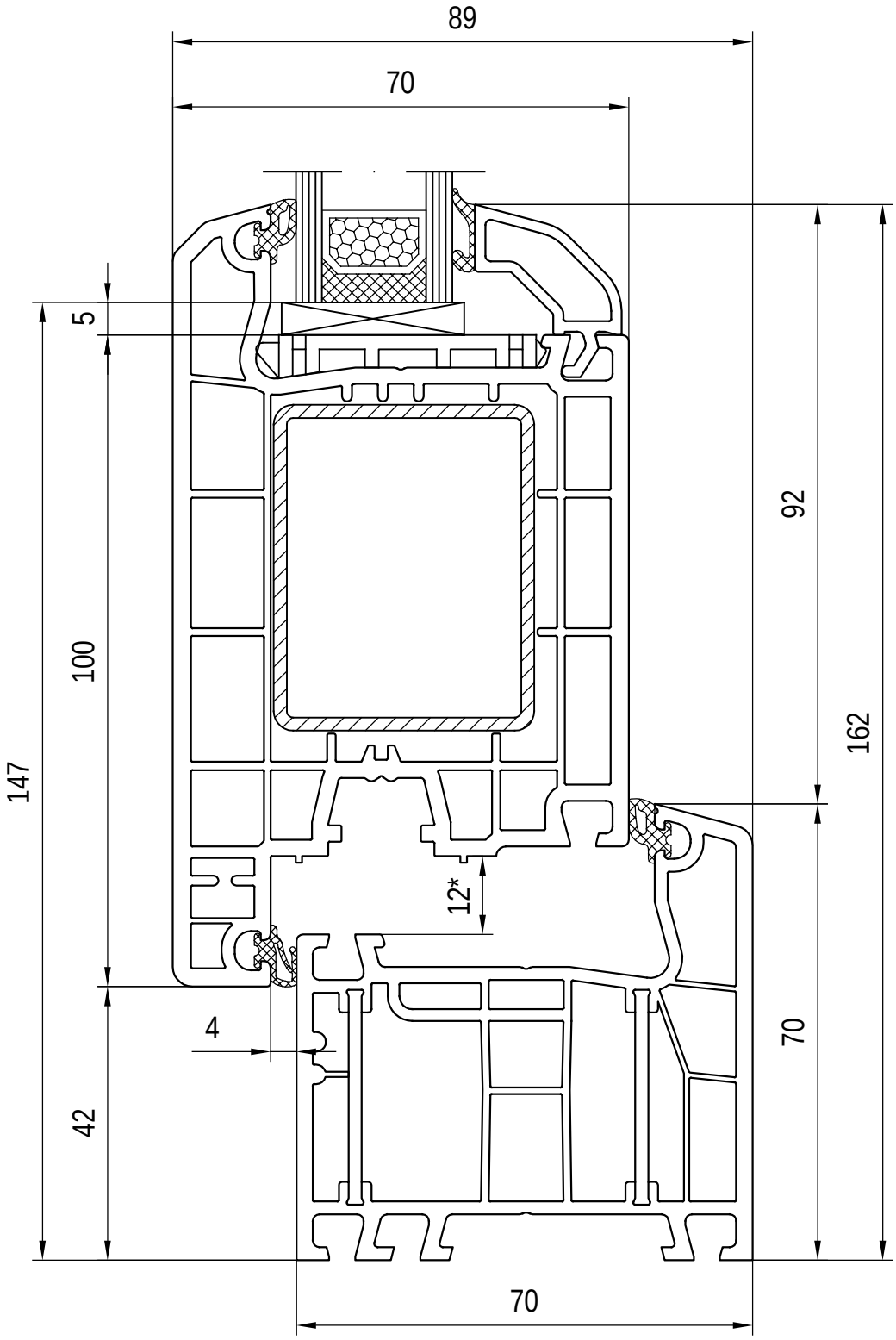

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* Falzluft bei Haustüren links und rechts = 13mm

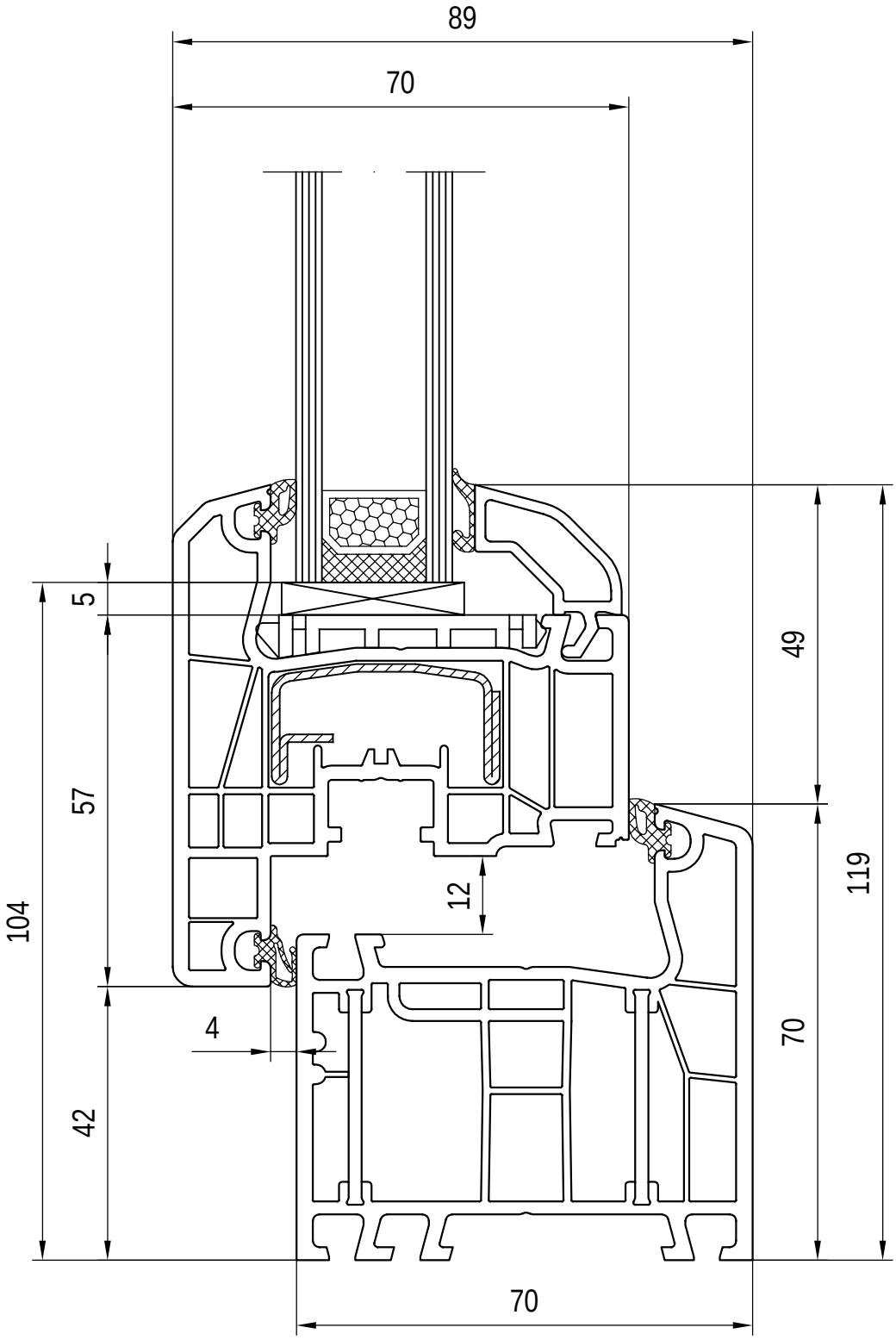

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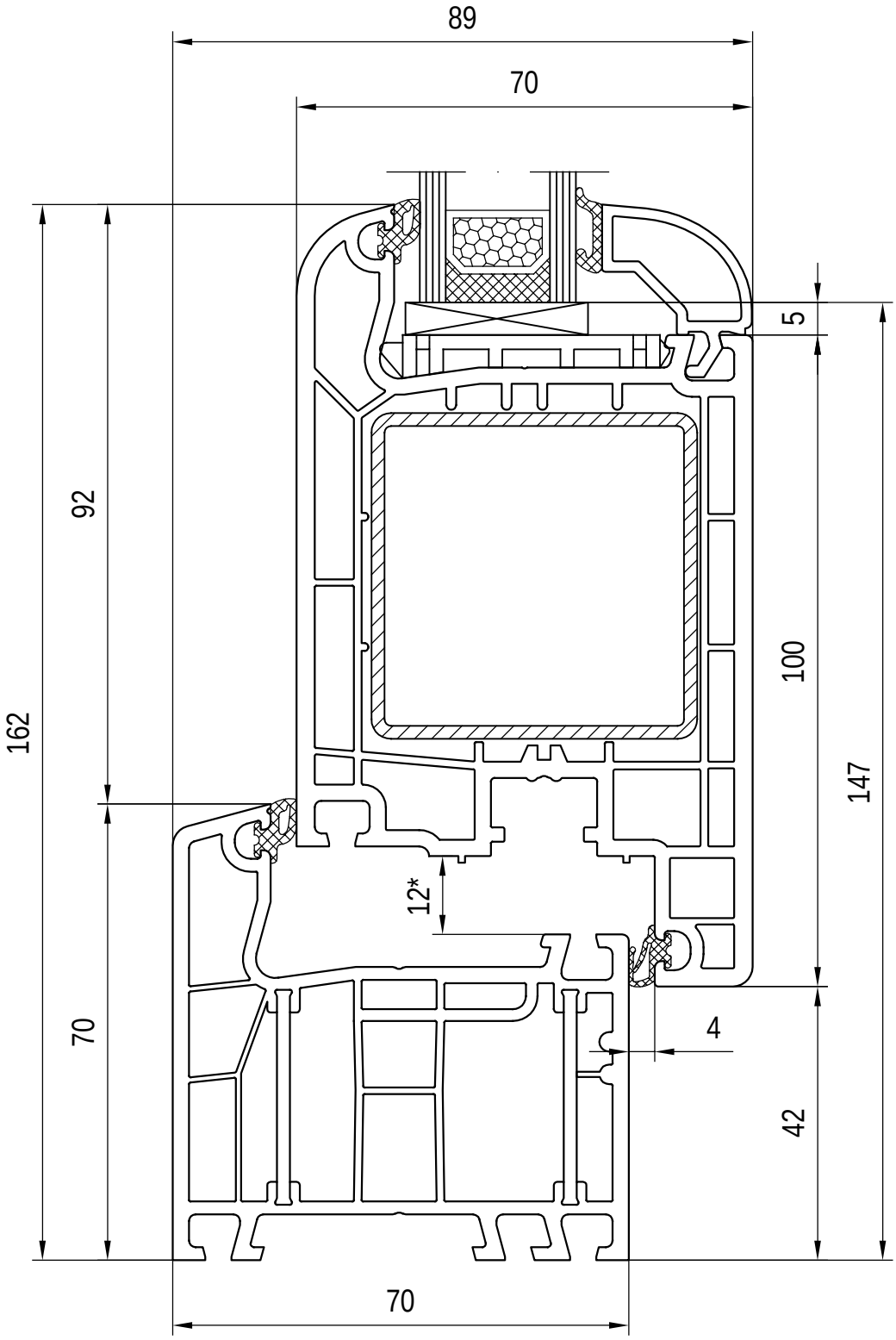


* Falzluft bei Haustüren links und rechts = 13mm

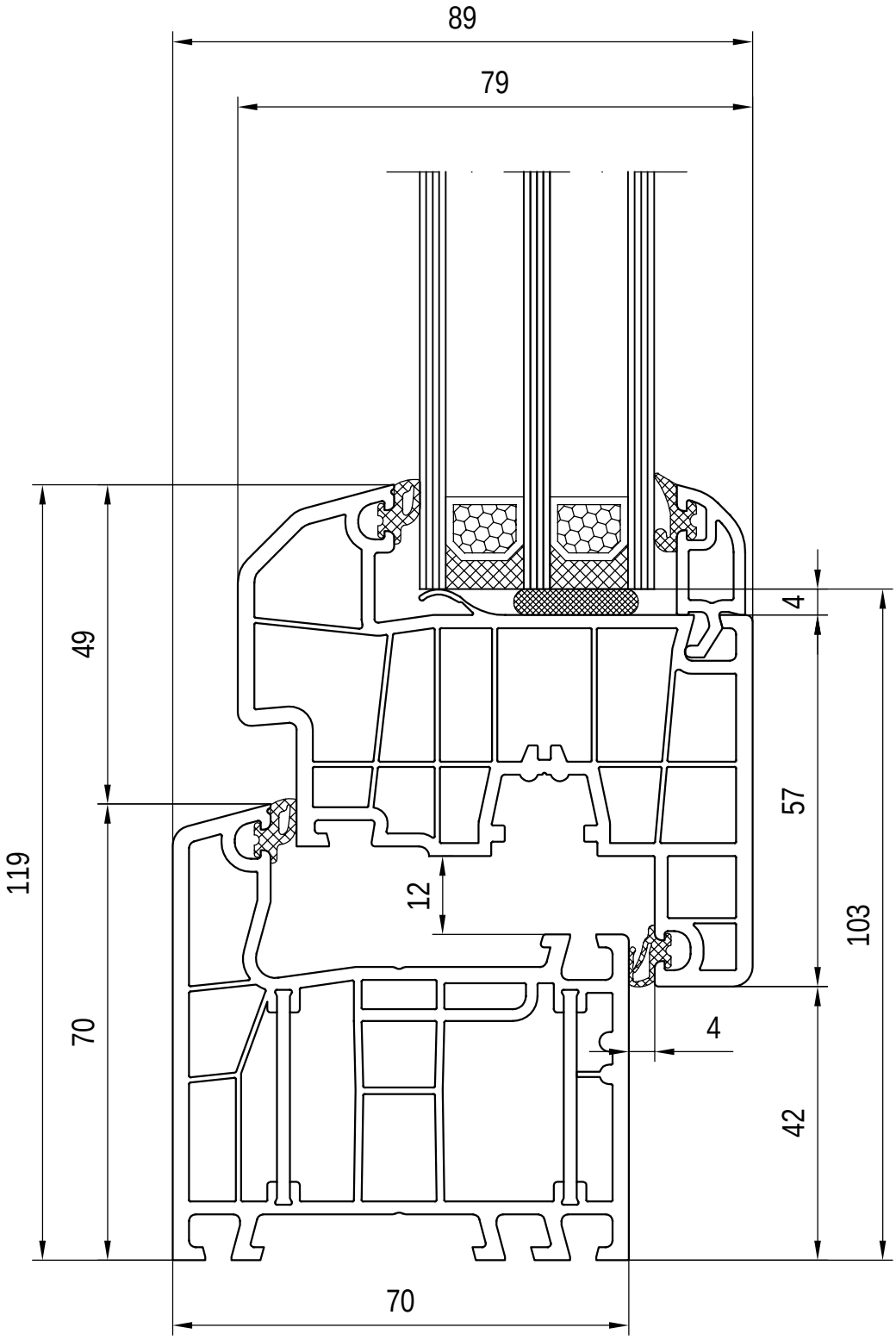
Kombinationen: Rahmen - Flügel
Glasleiste 120846/120876

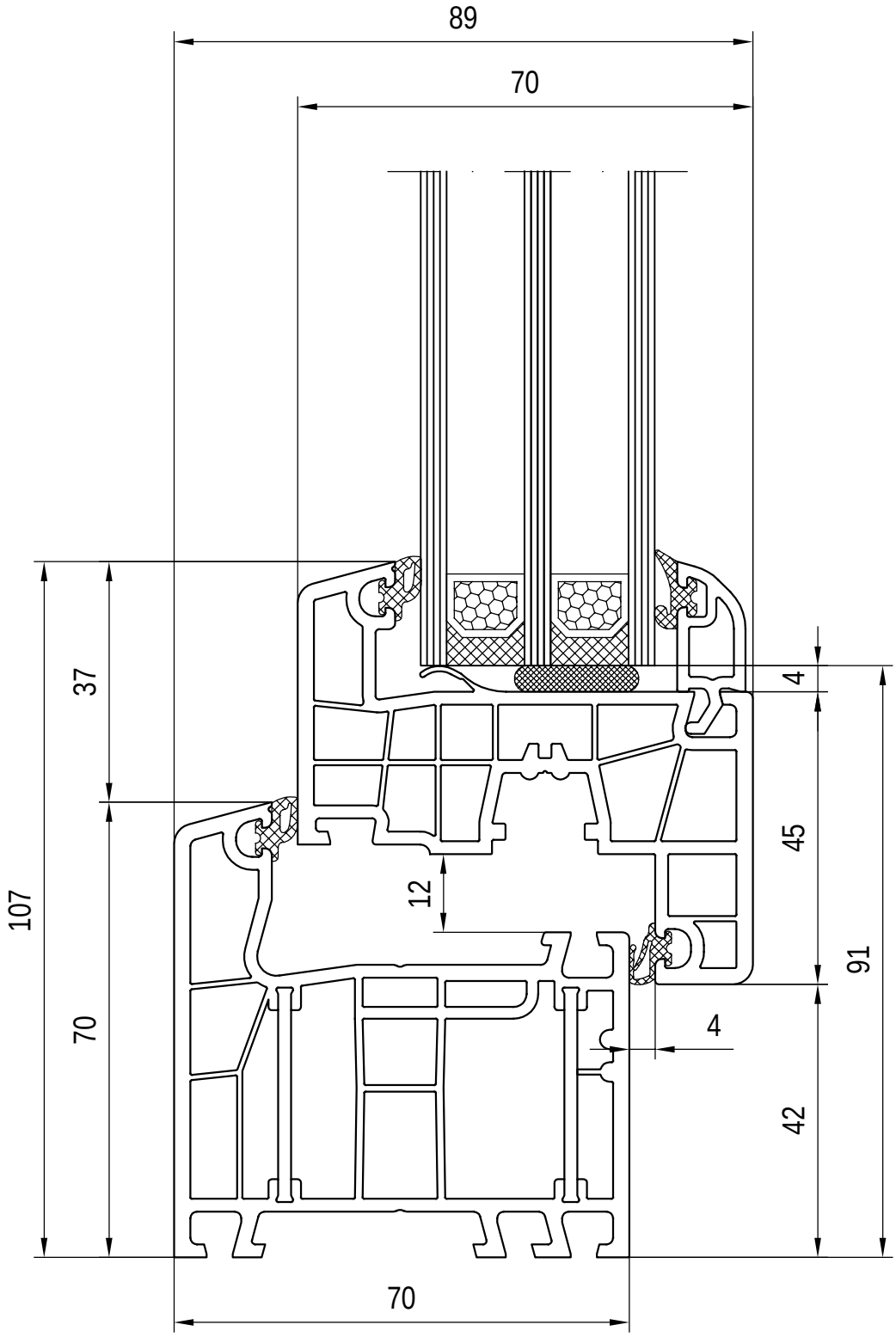
Rahmen 040x07
Flügel 140x35

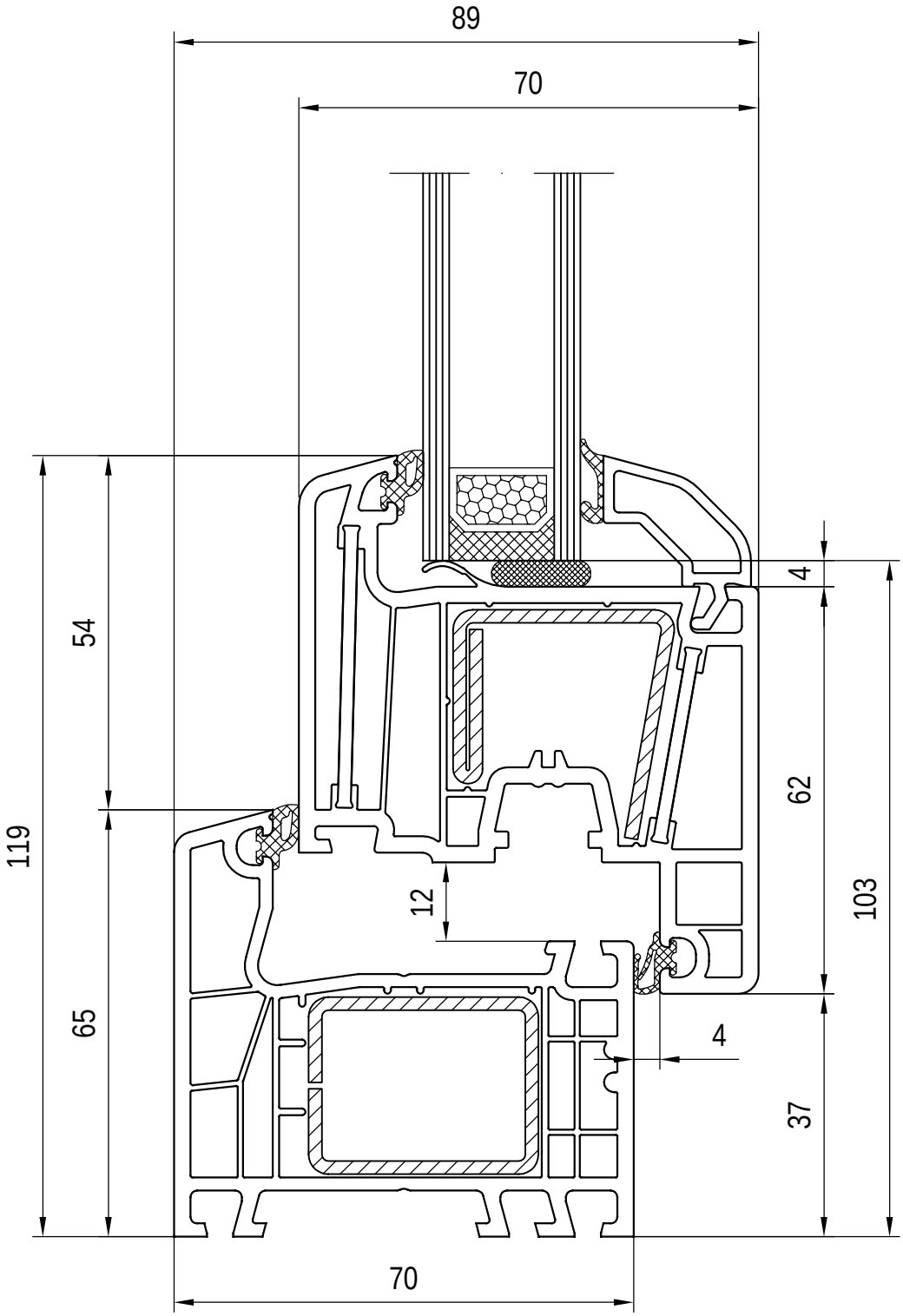

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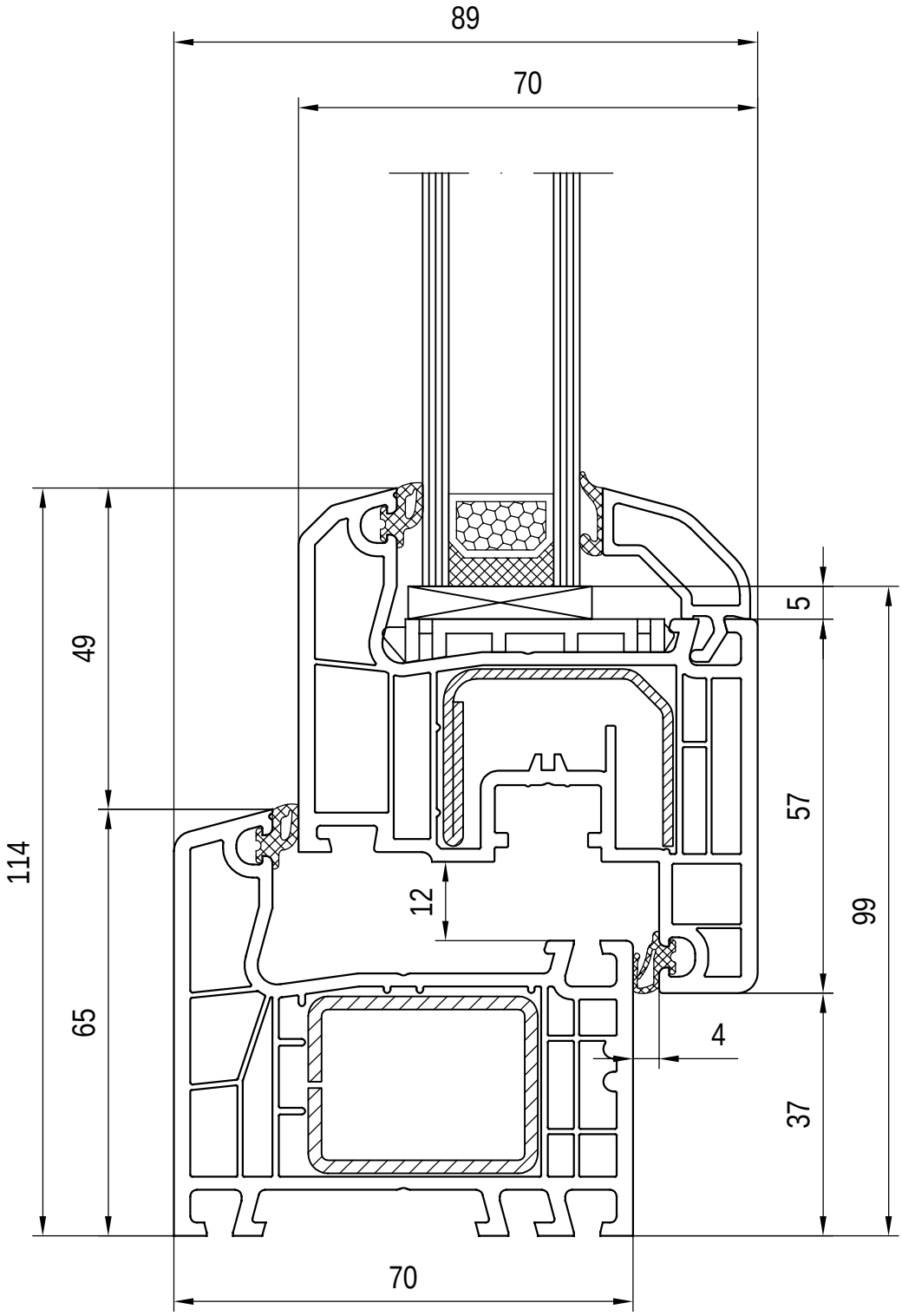


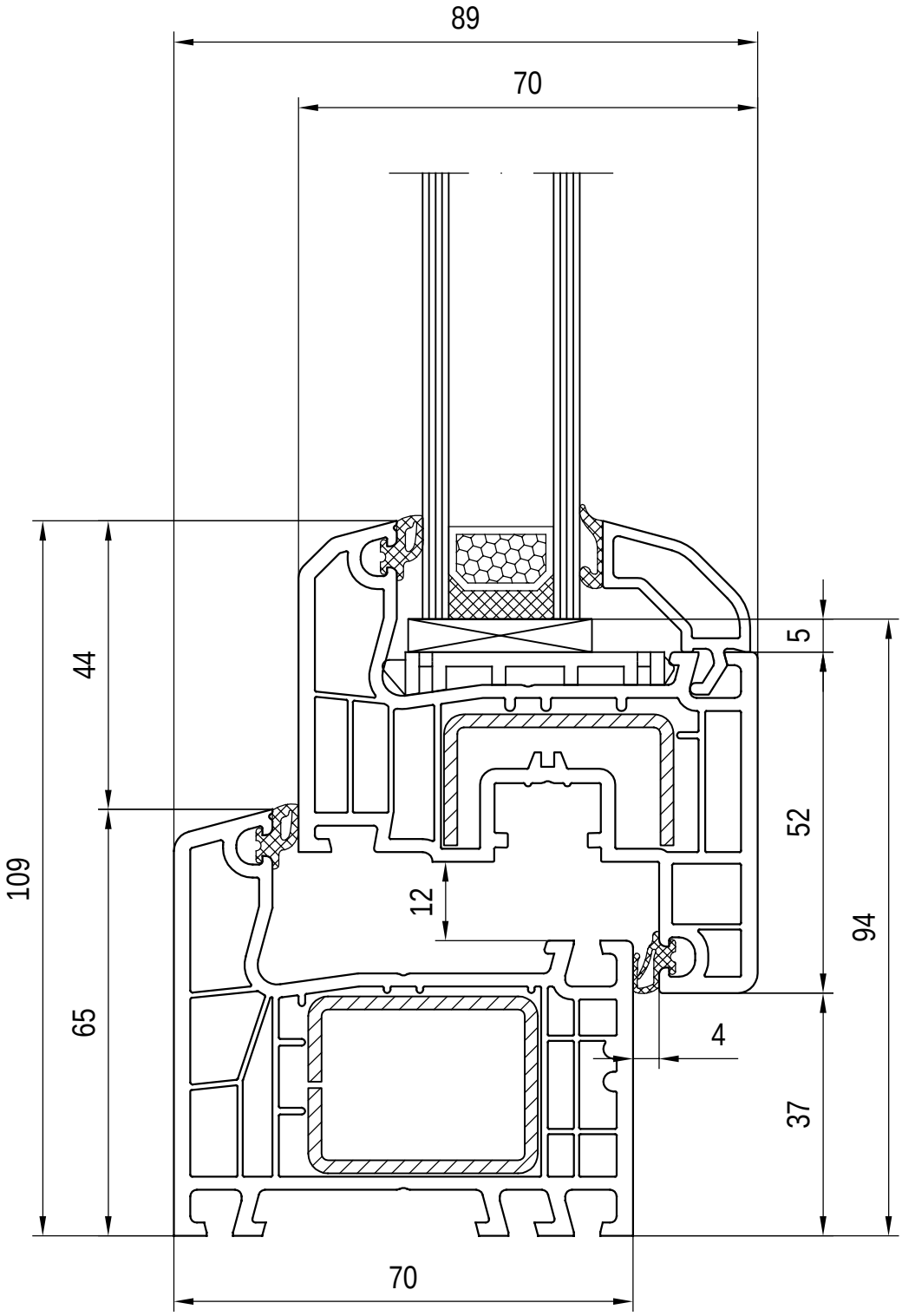
* Falzluft bei Haustüren links und rechts = 13mm

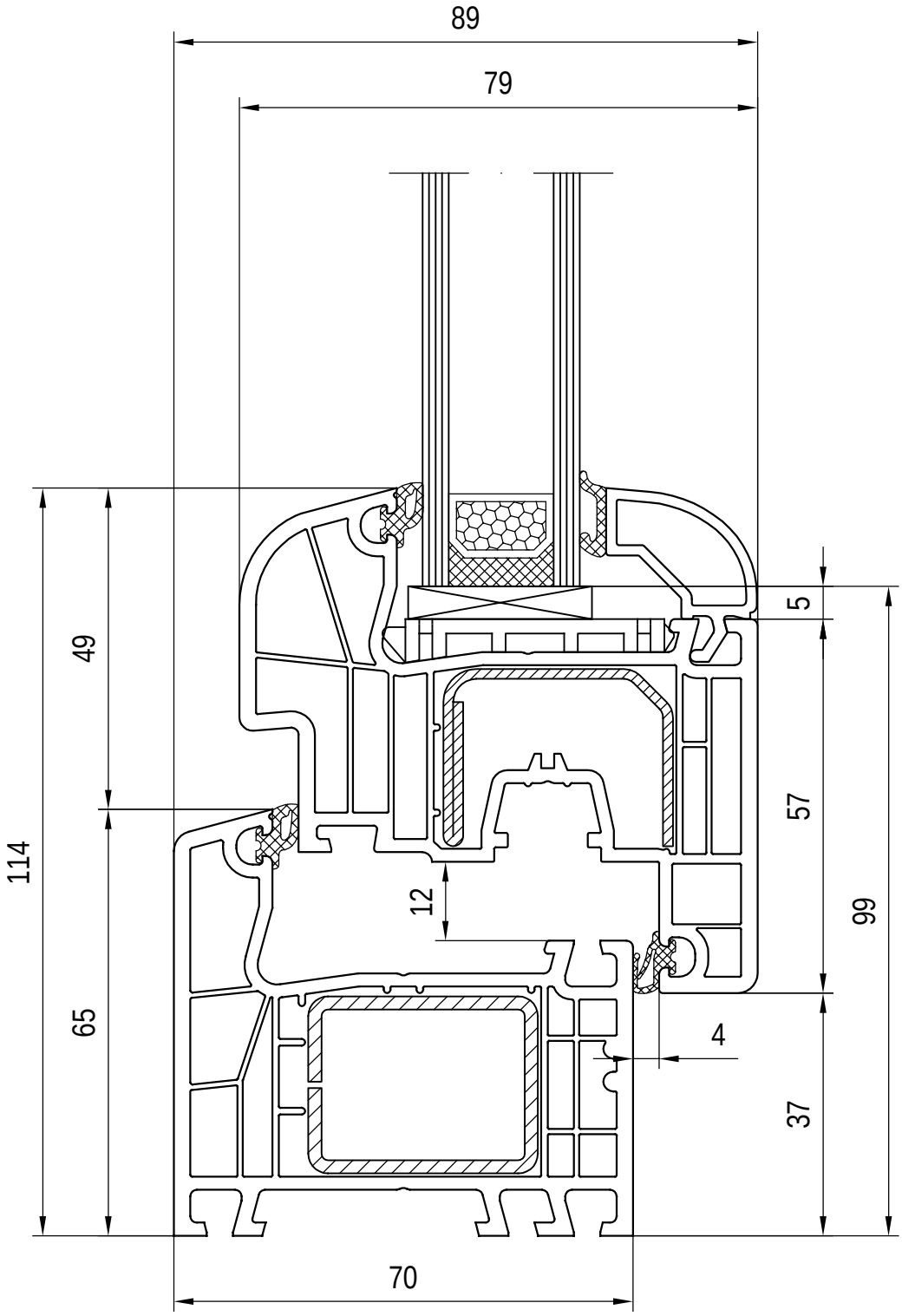

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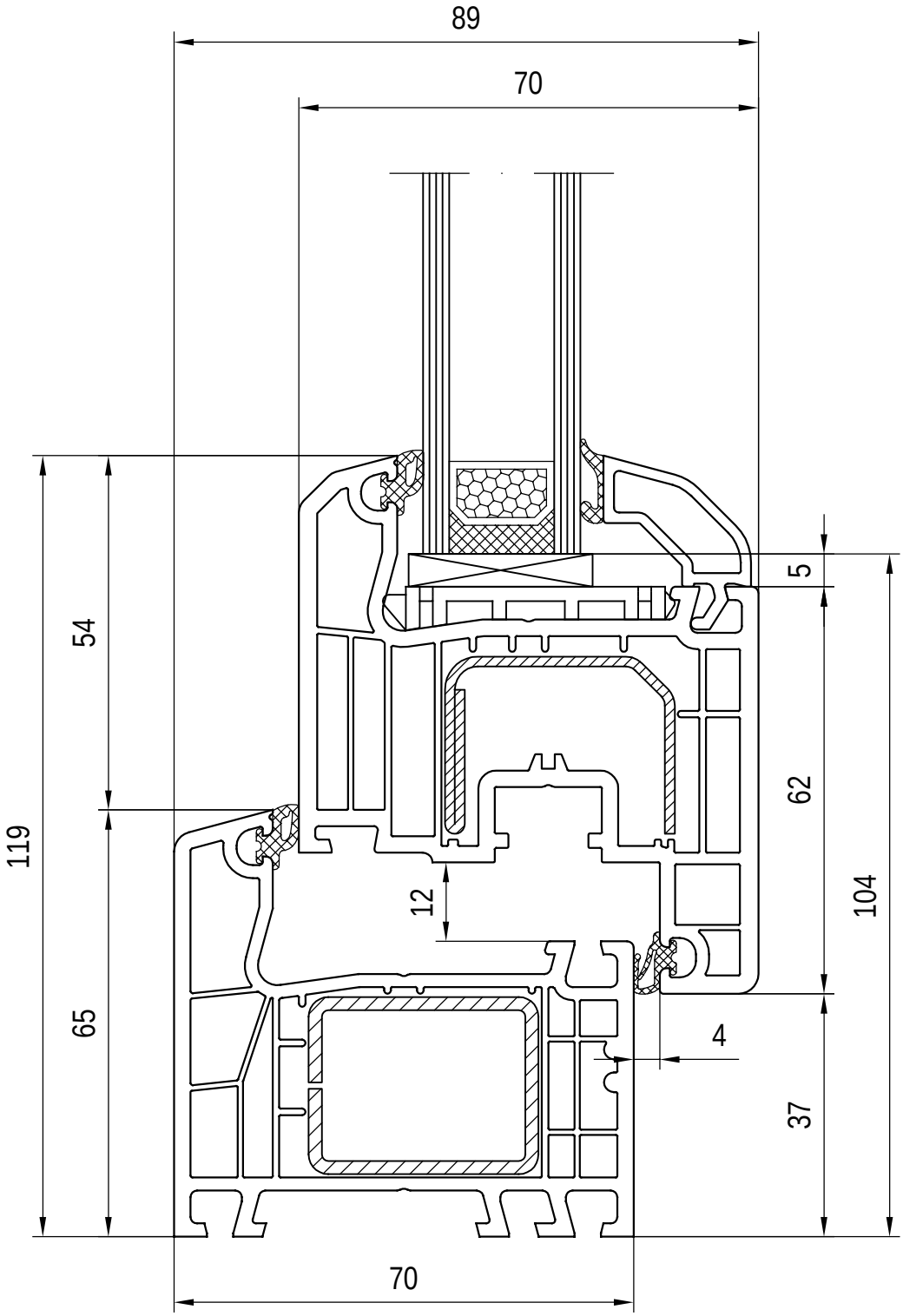

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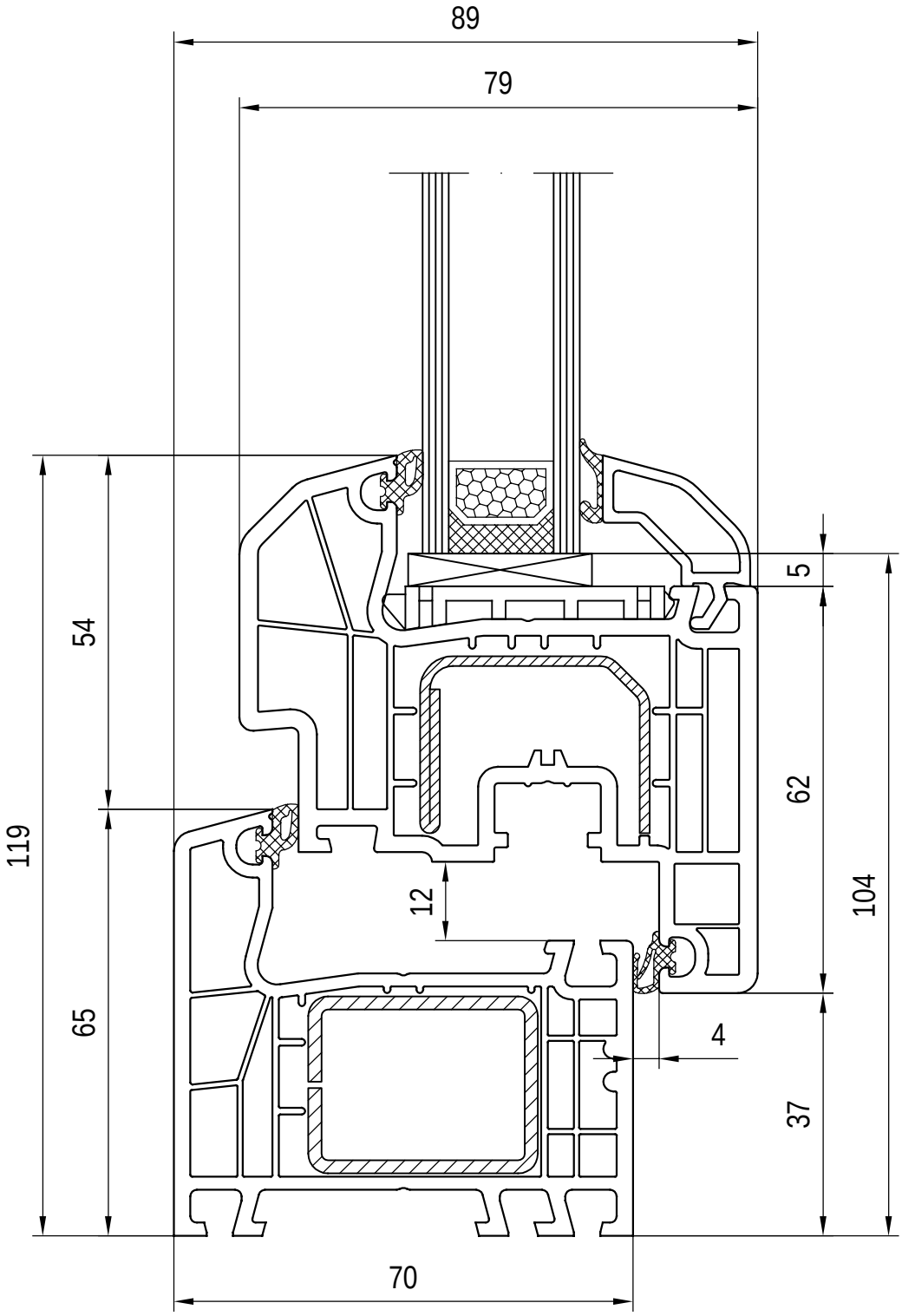

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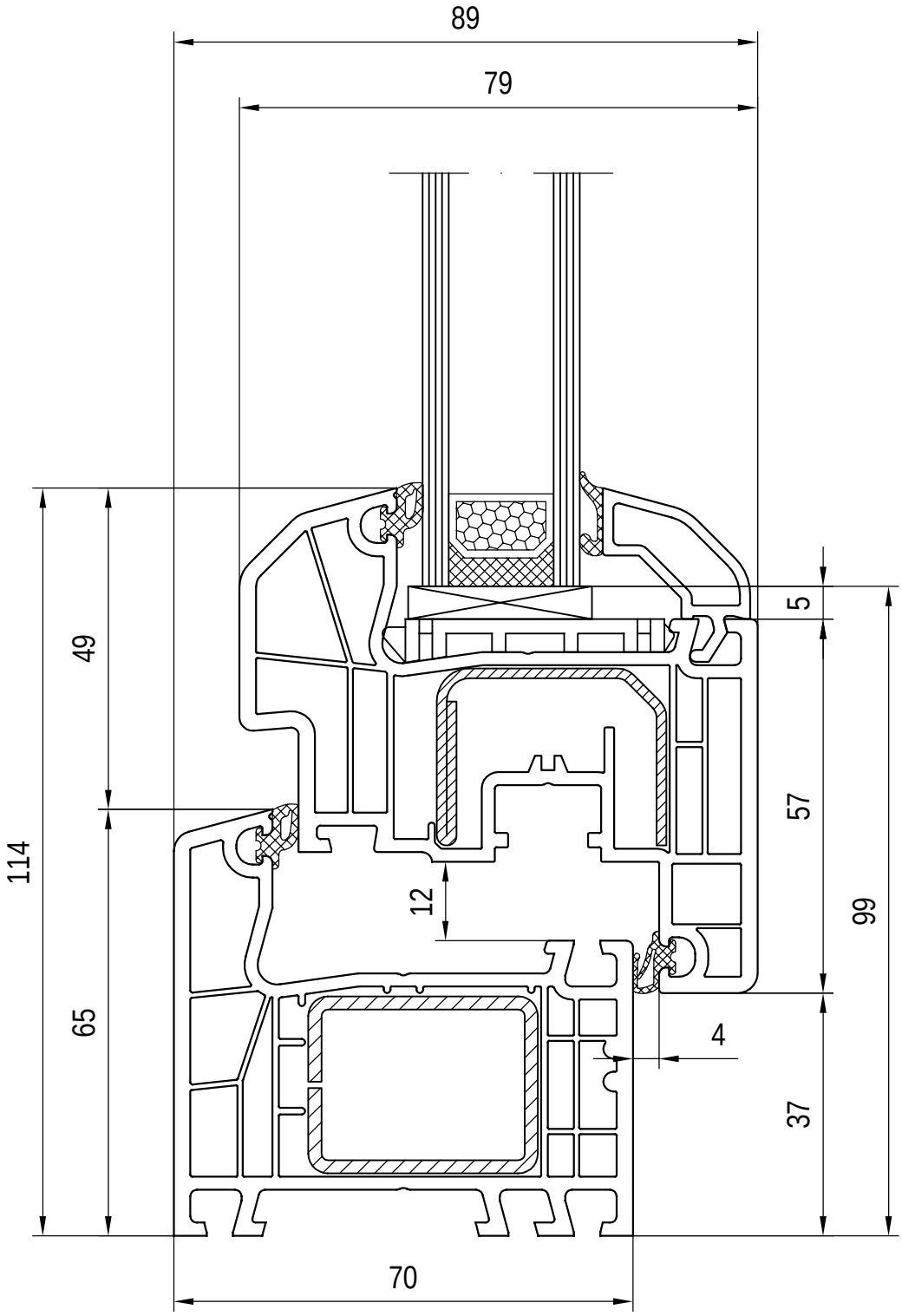

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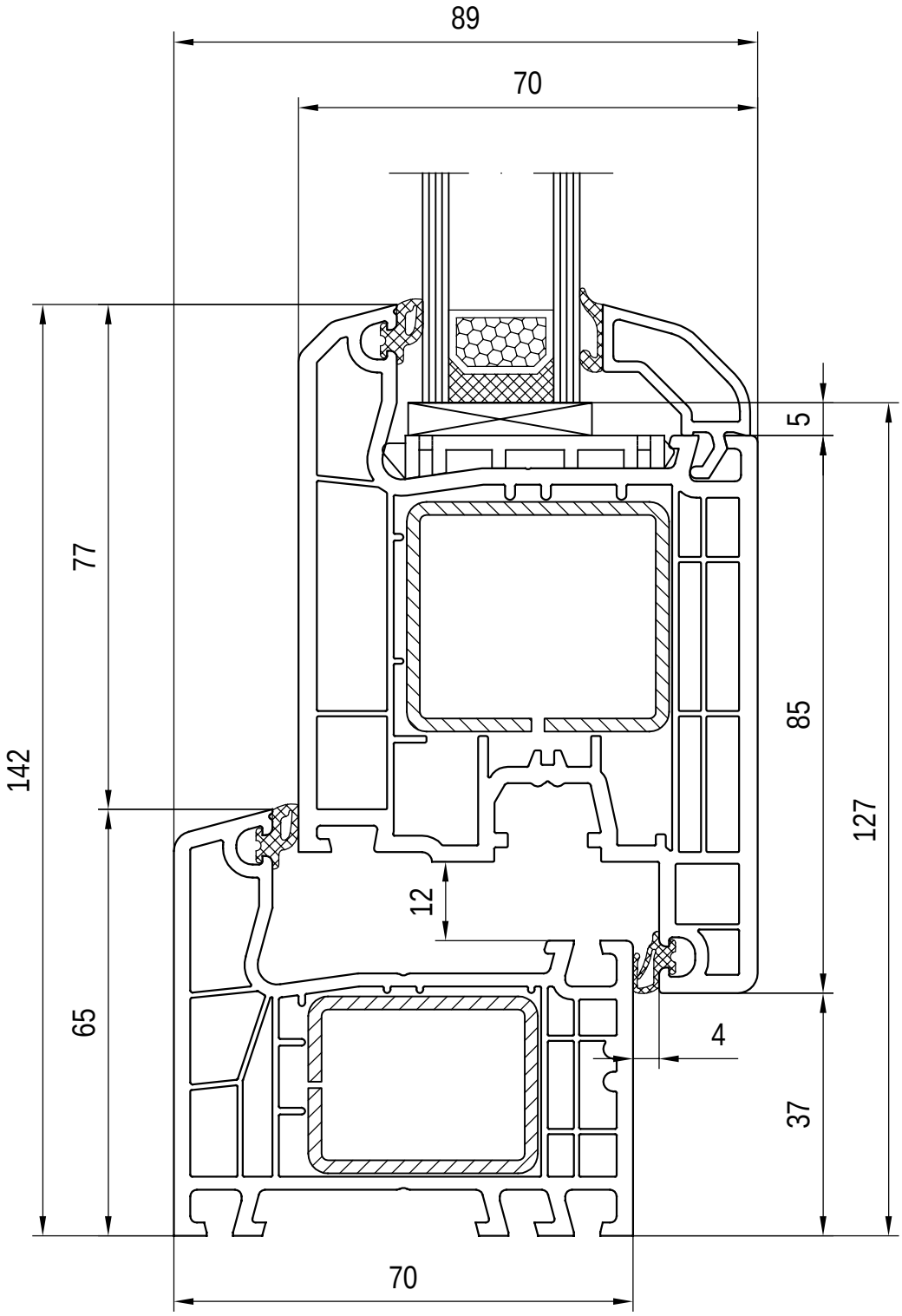

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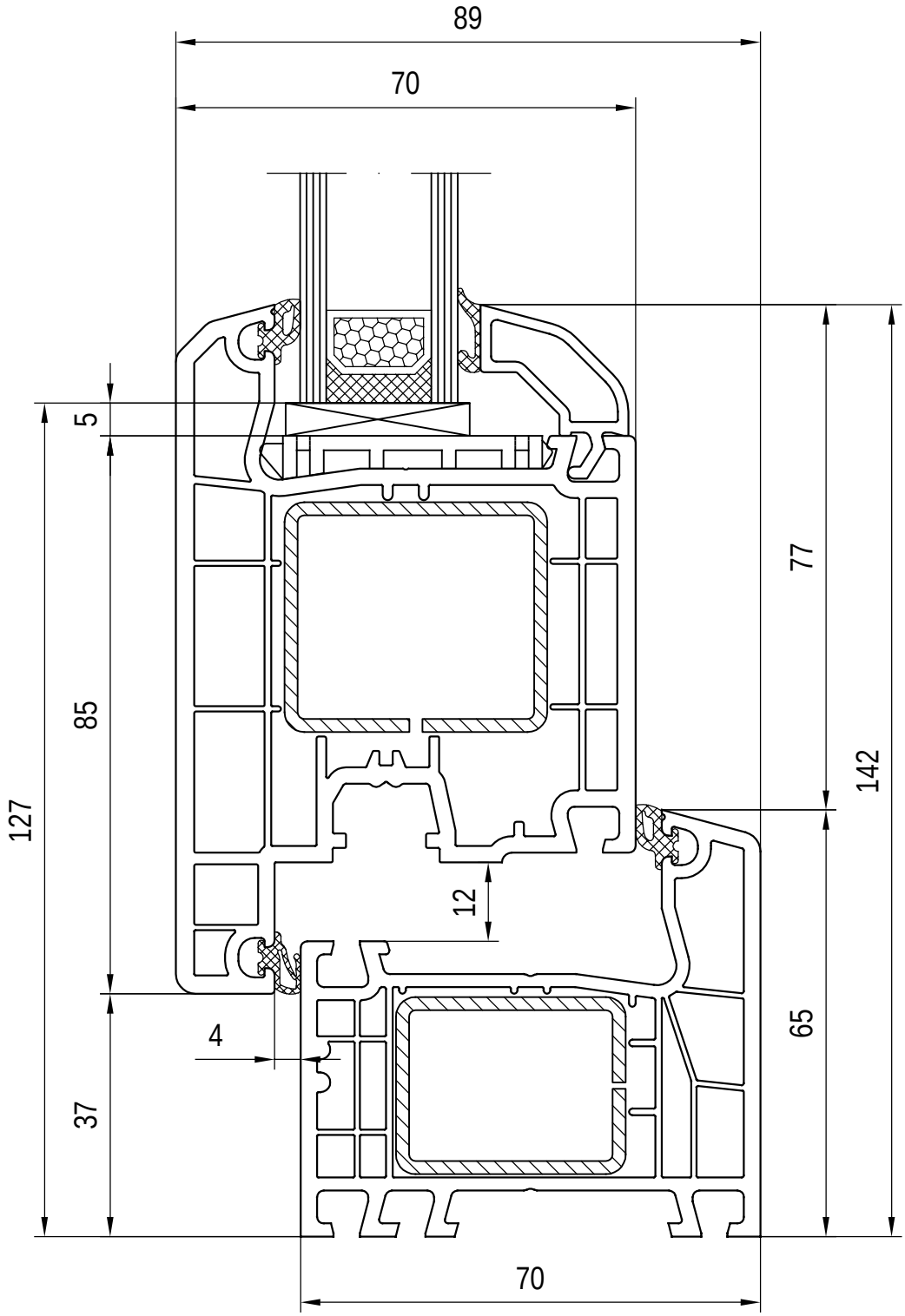

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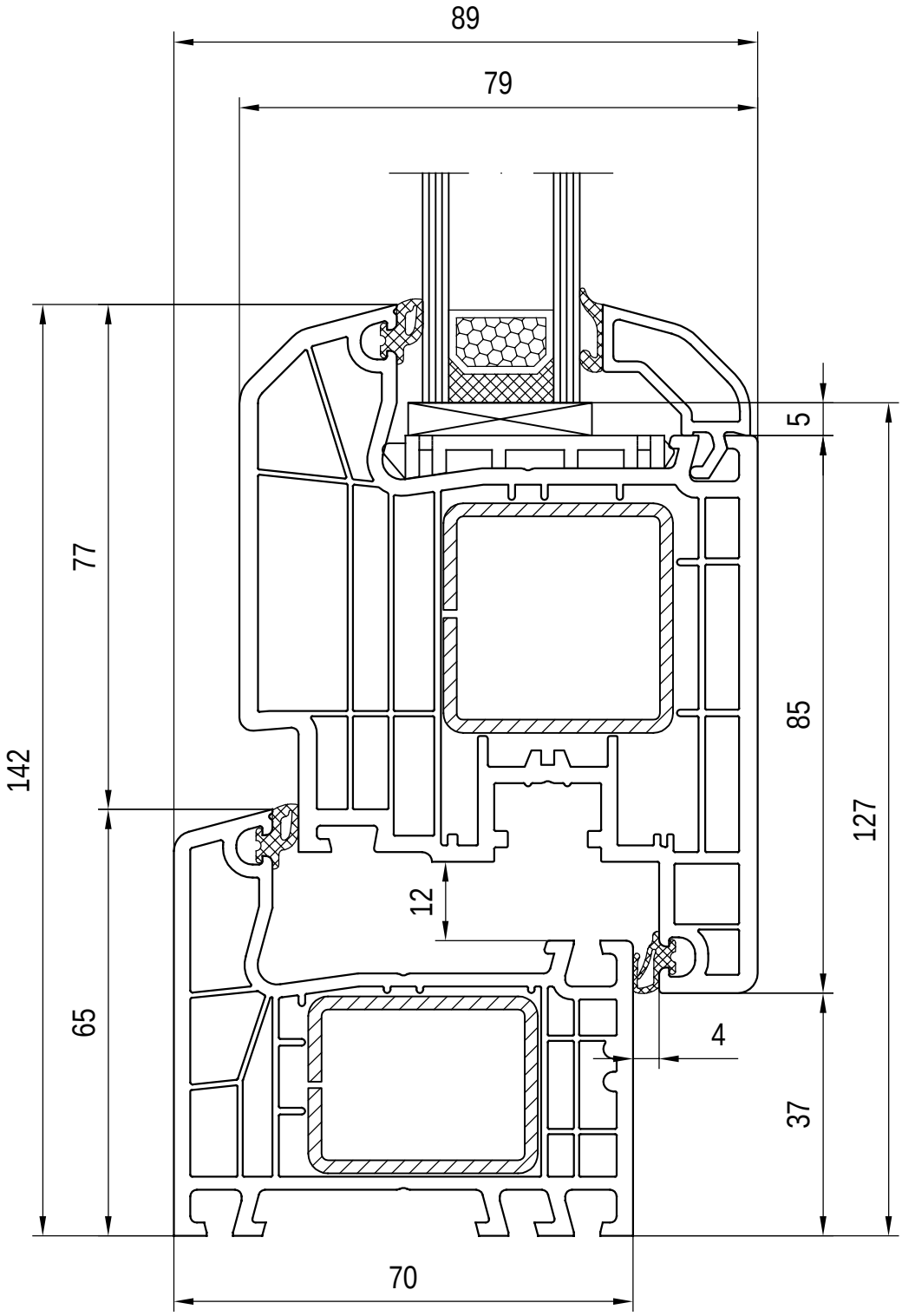

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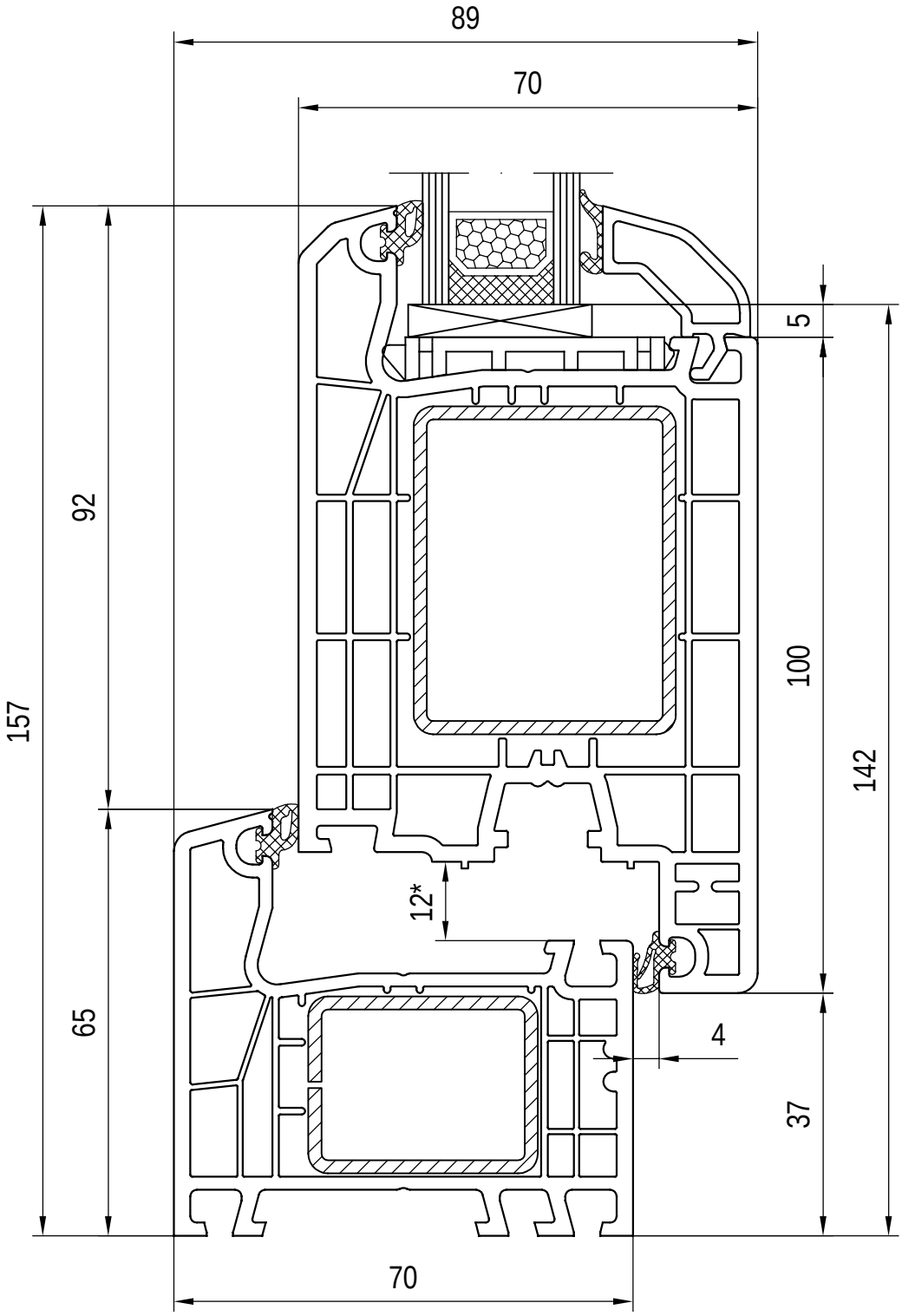

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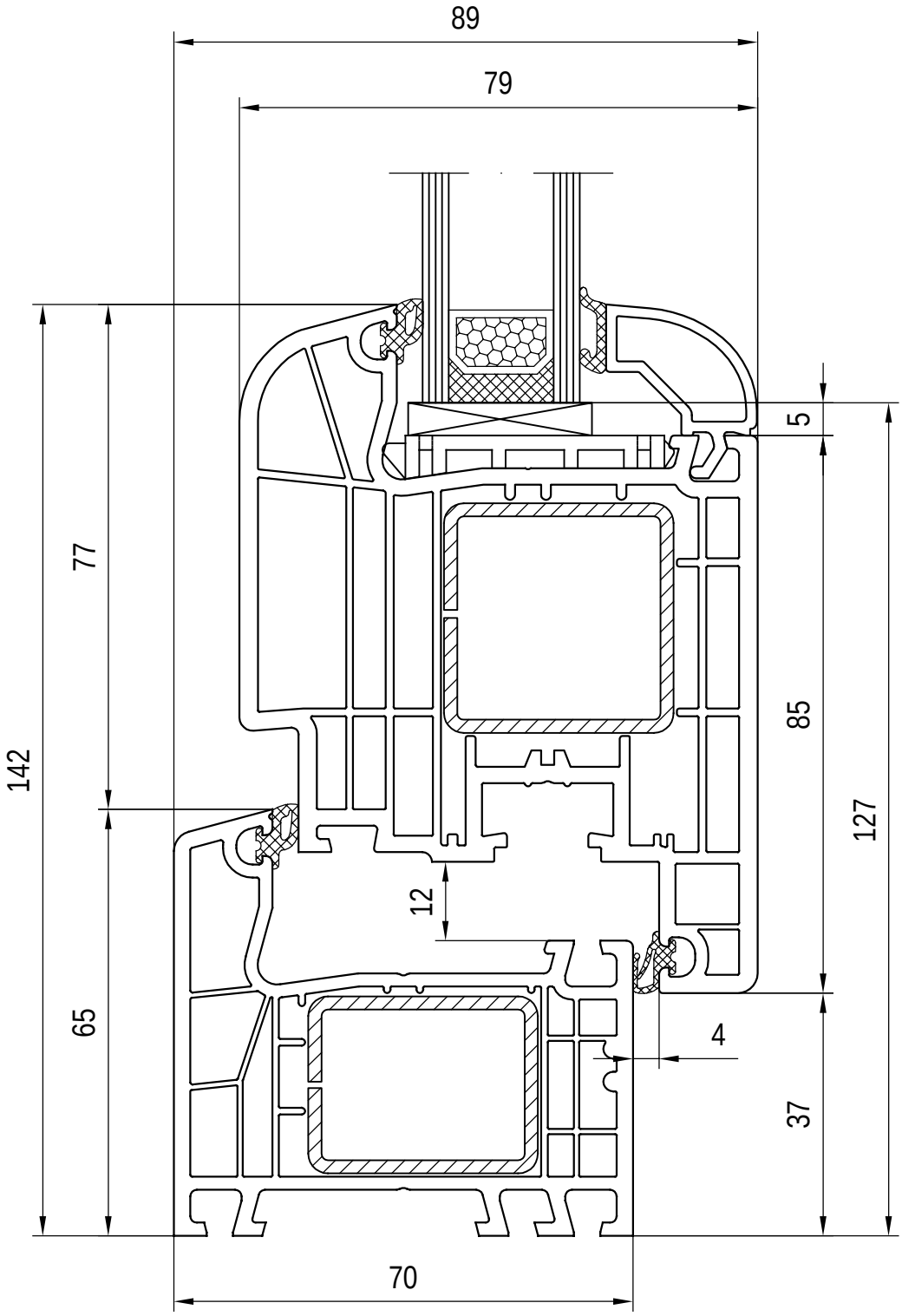

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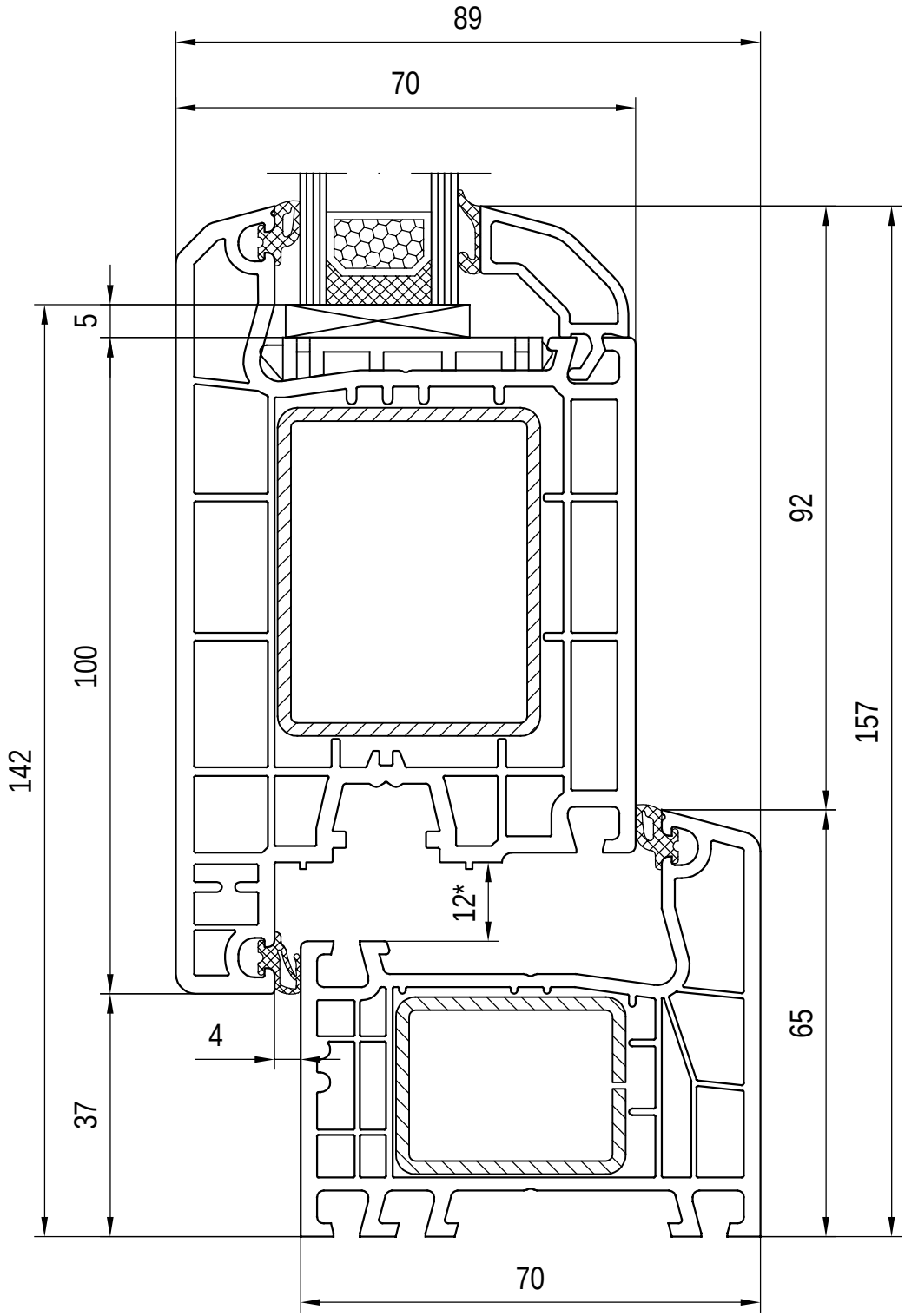

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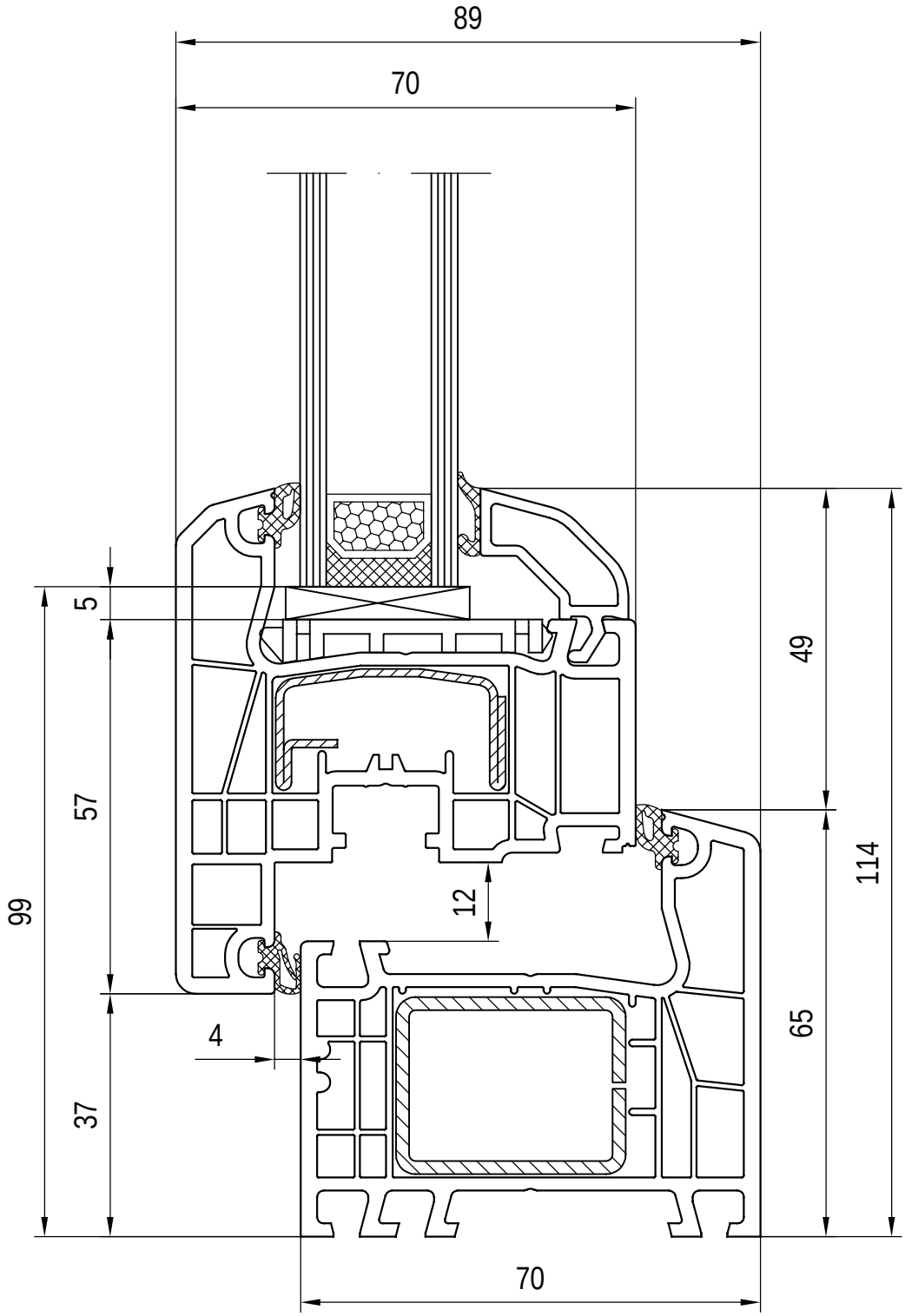


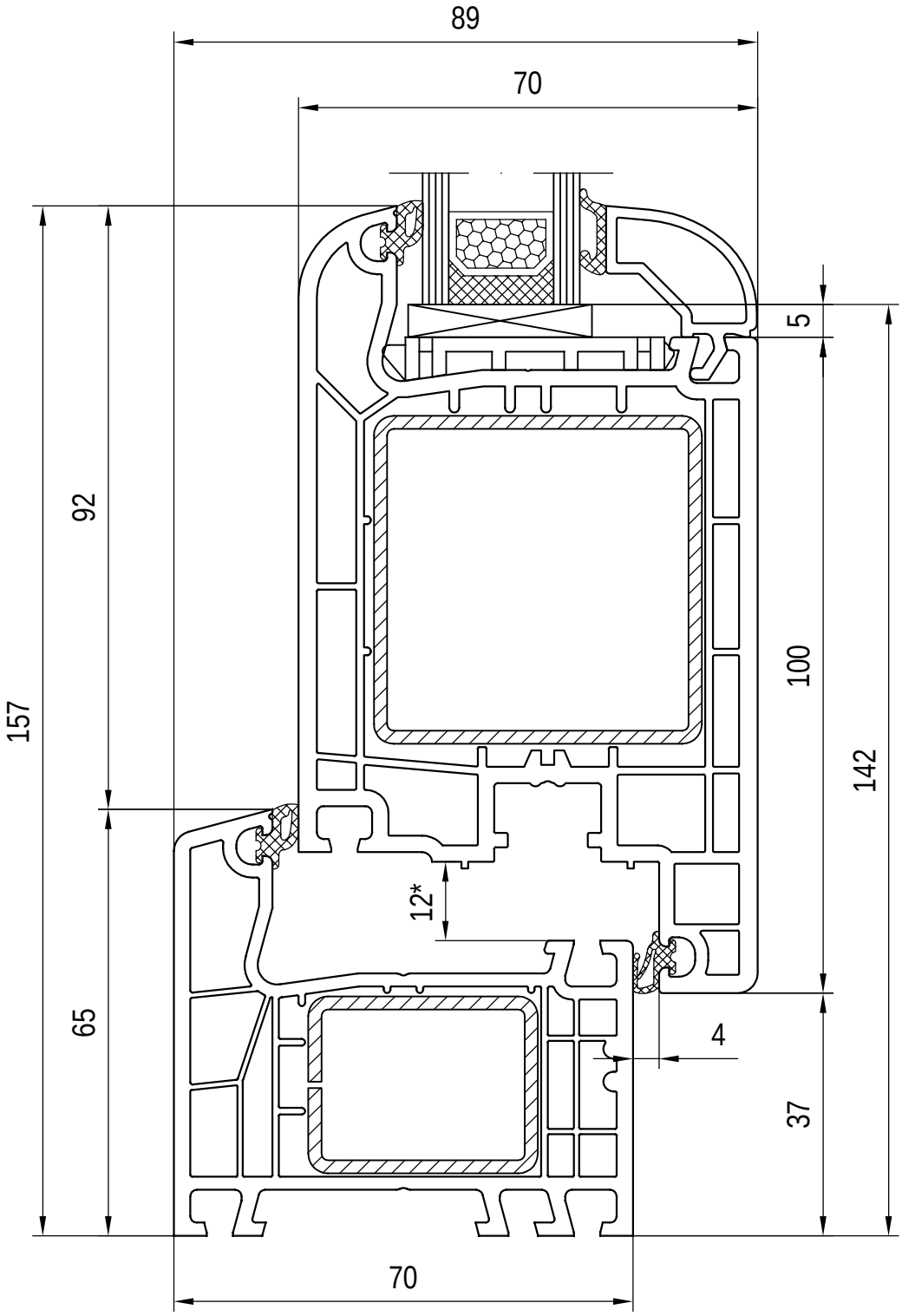
* Falzluft bei Haustüren links und rechts = 13mm


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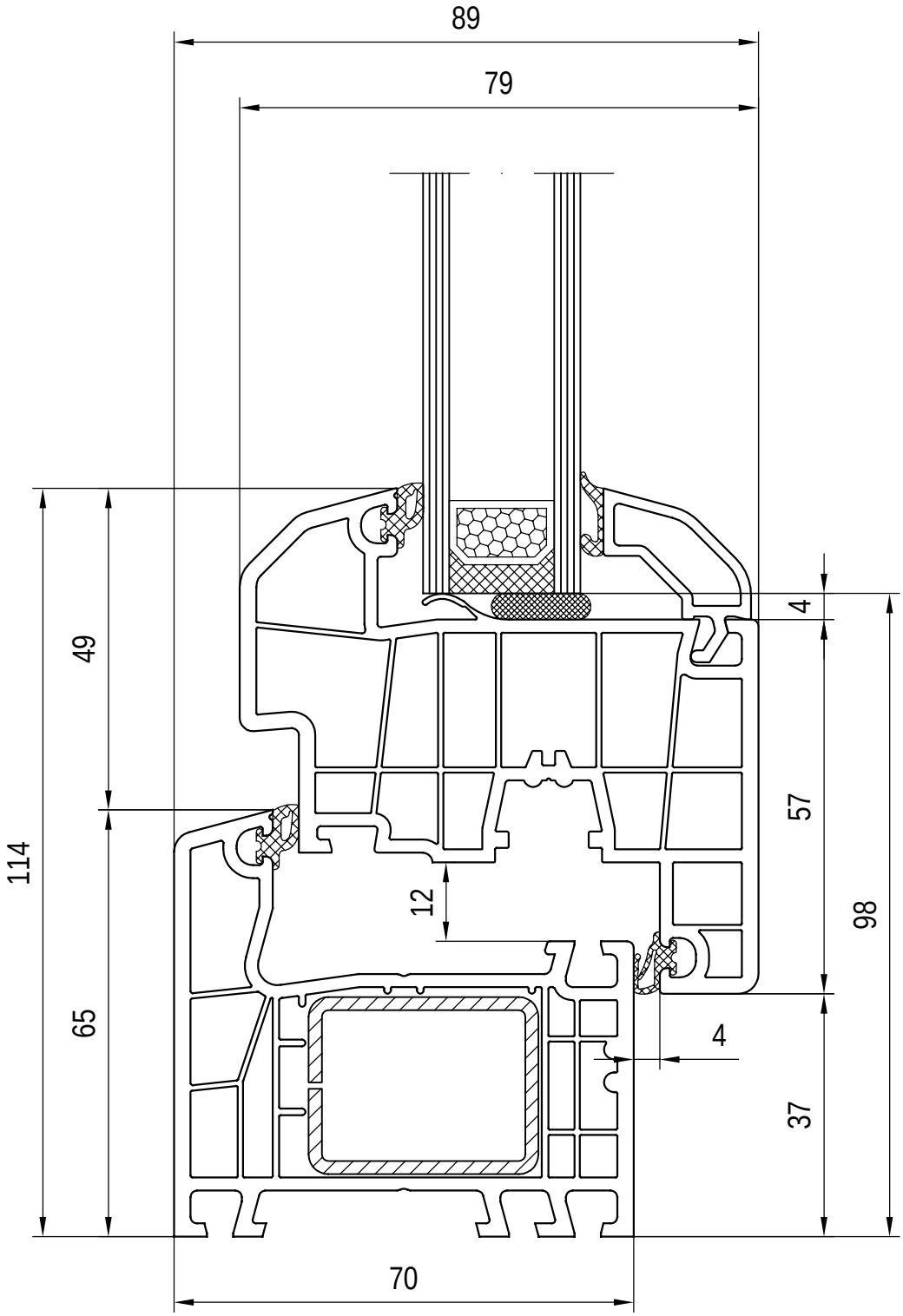


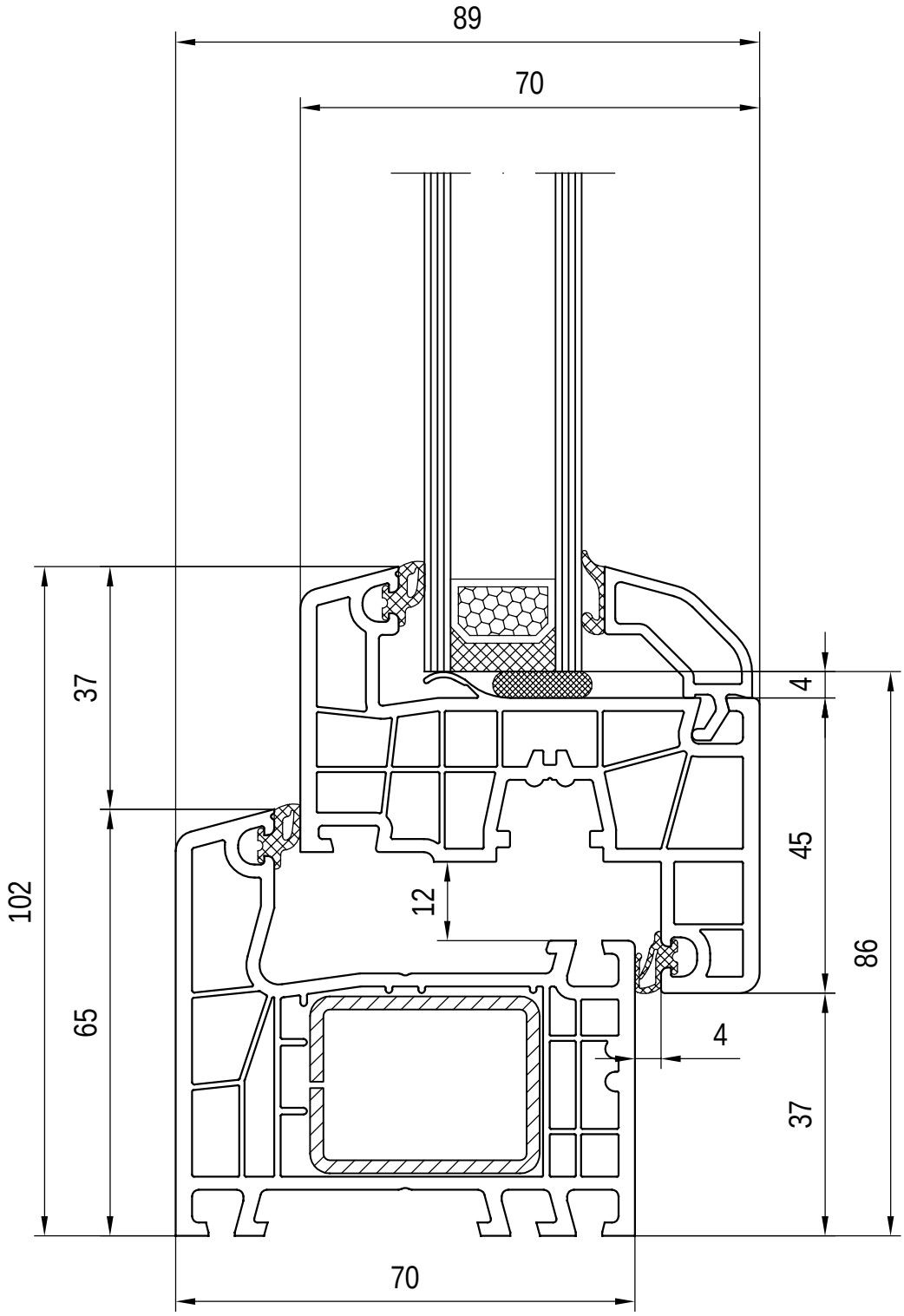
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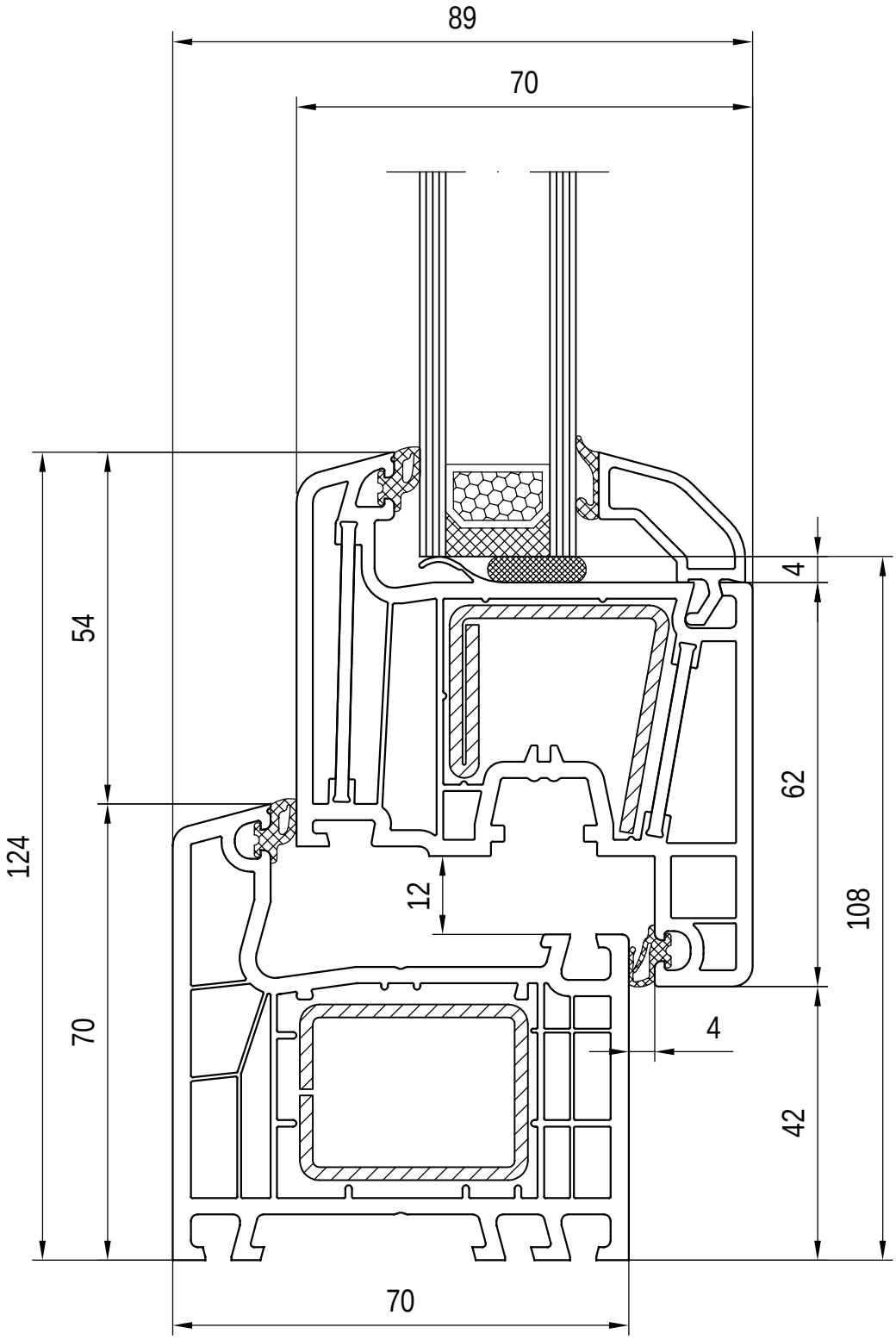

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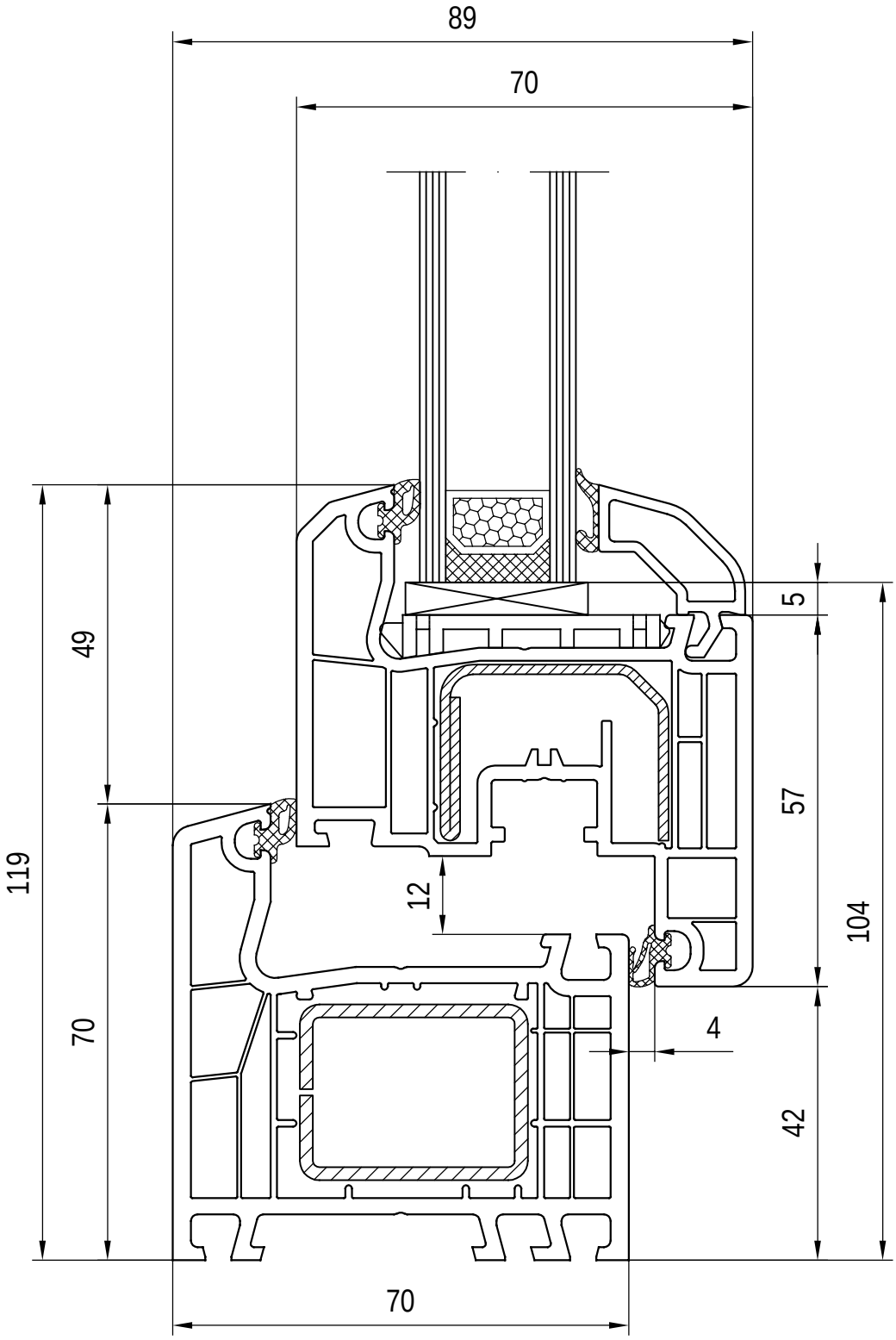


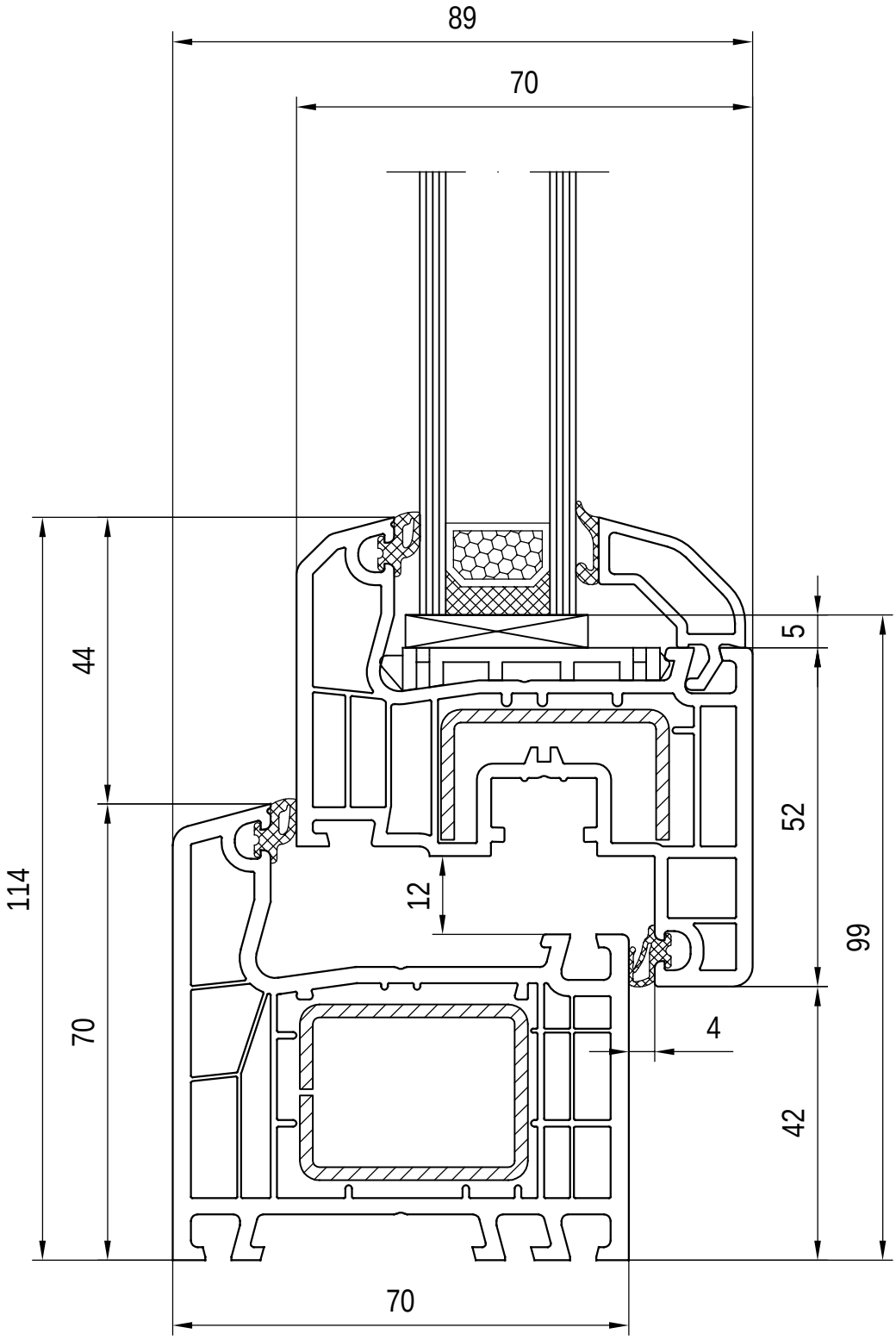
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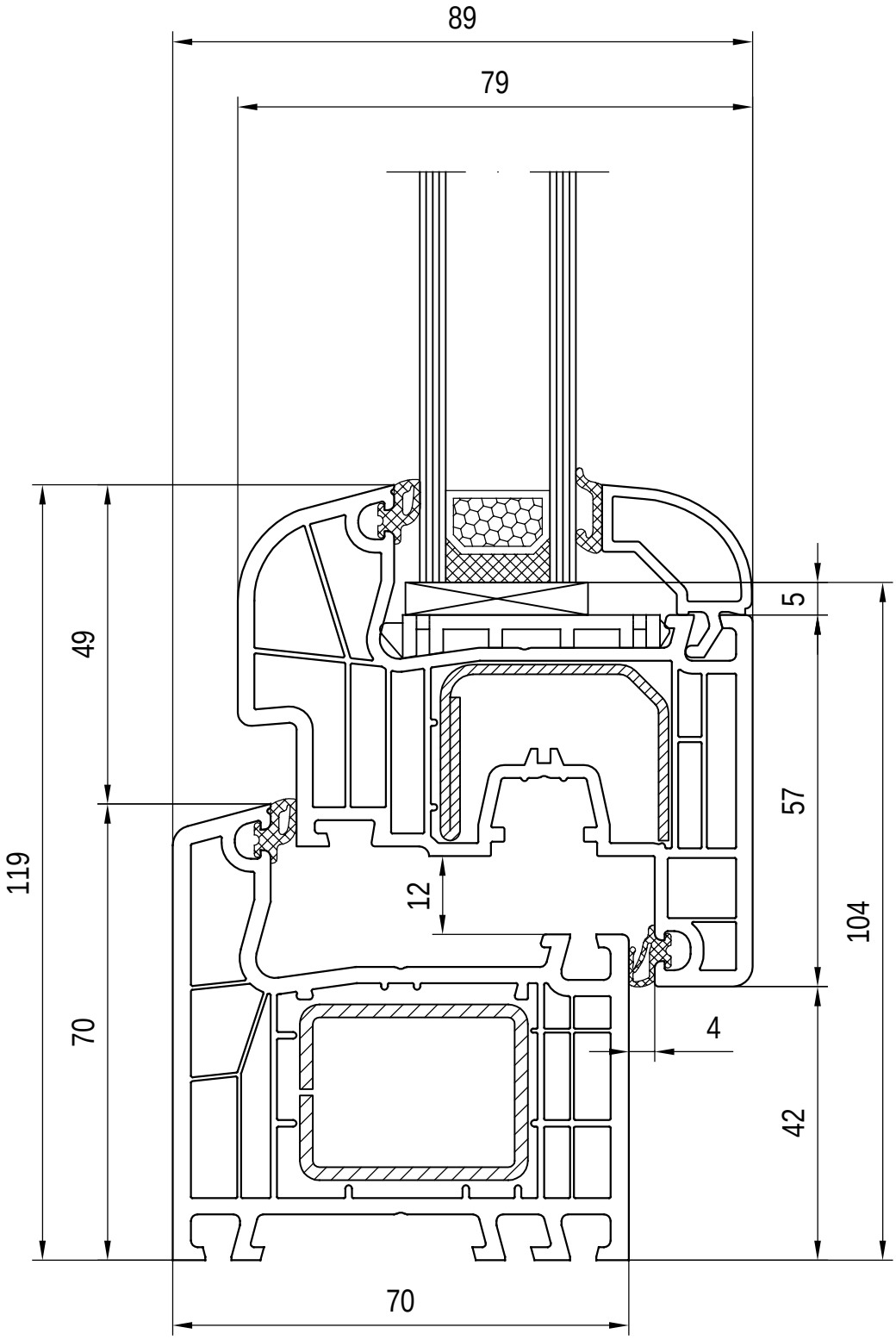

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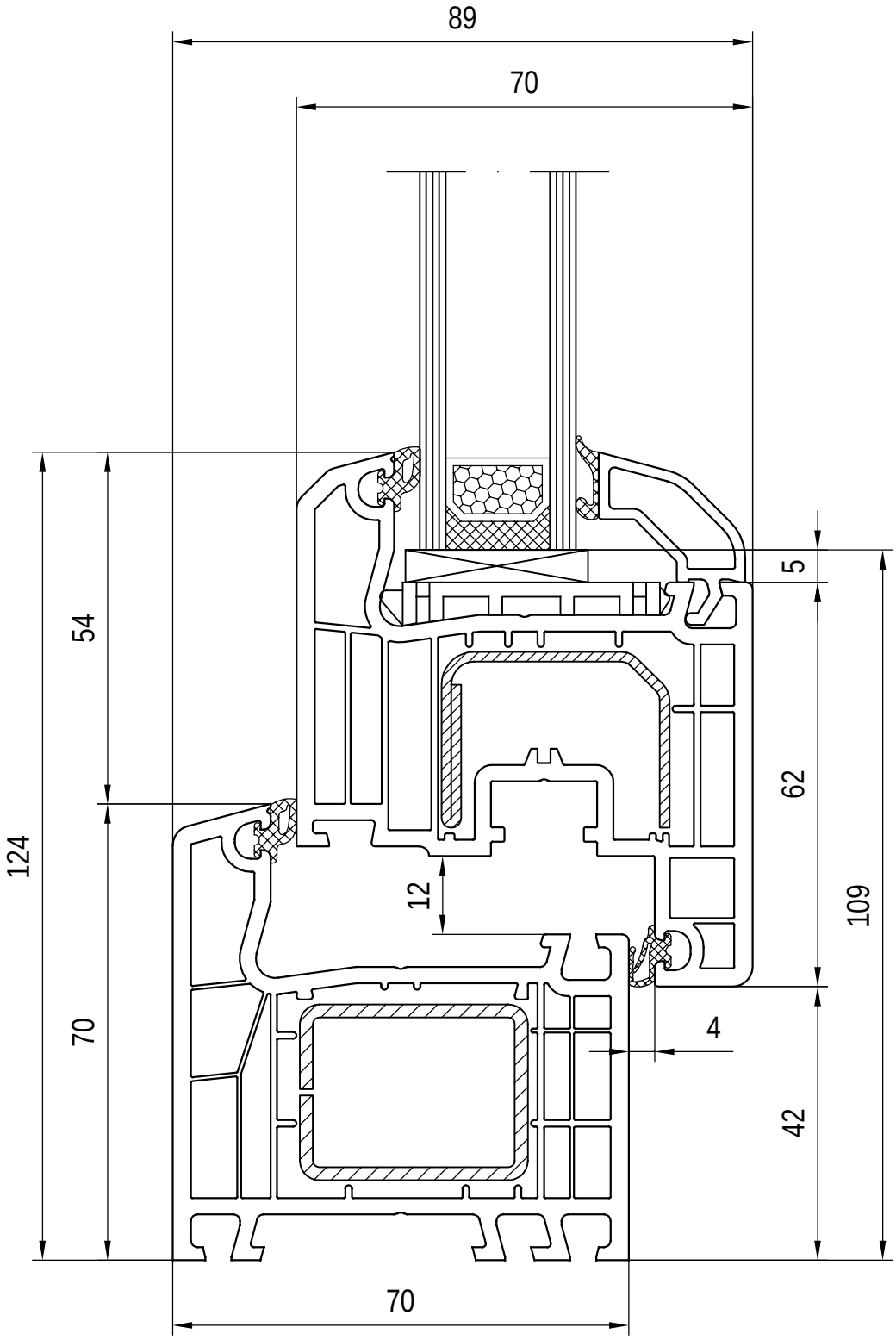

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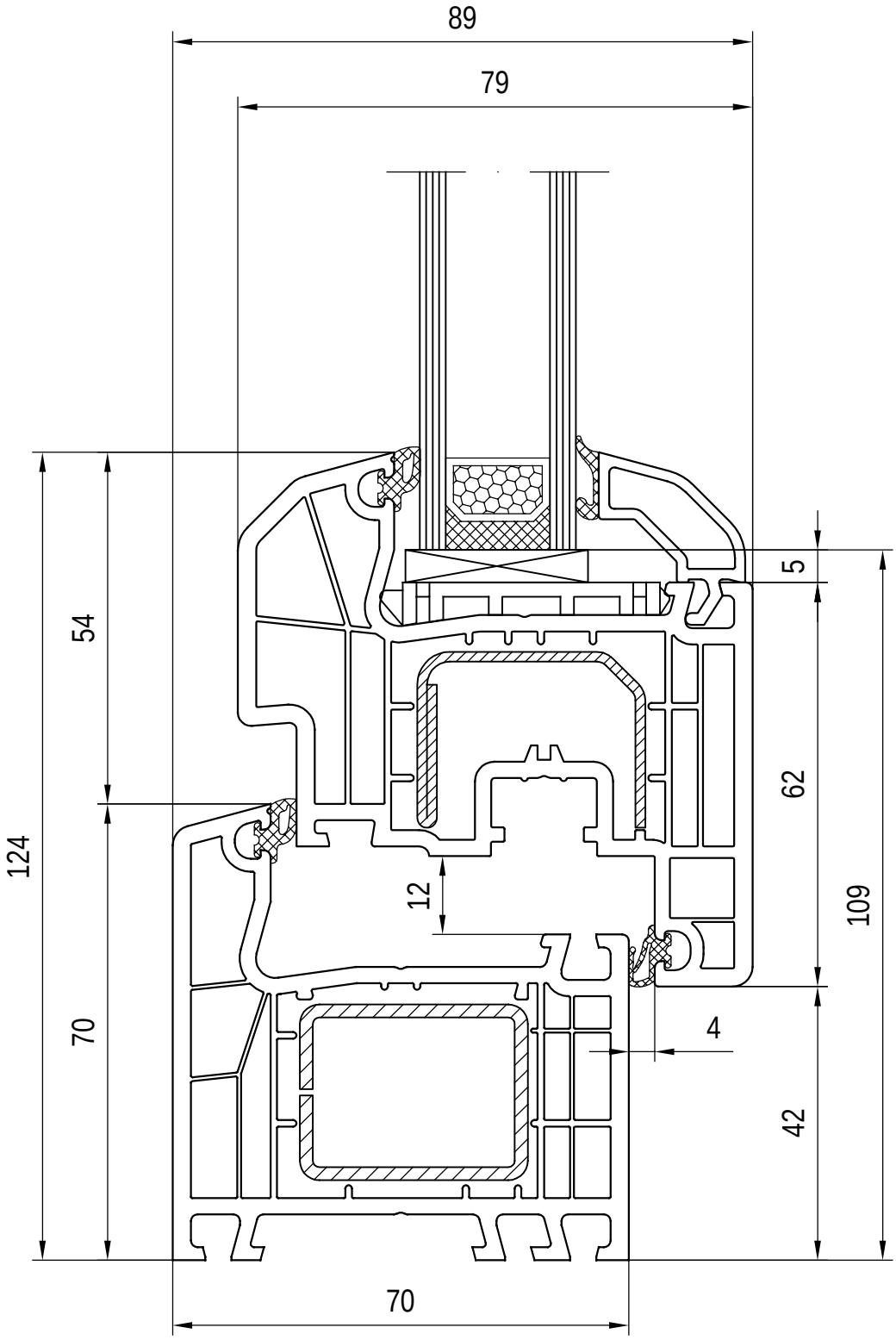

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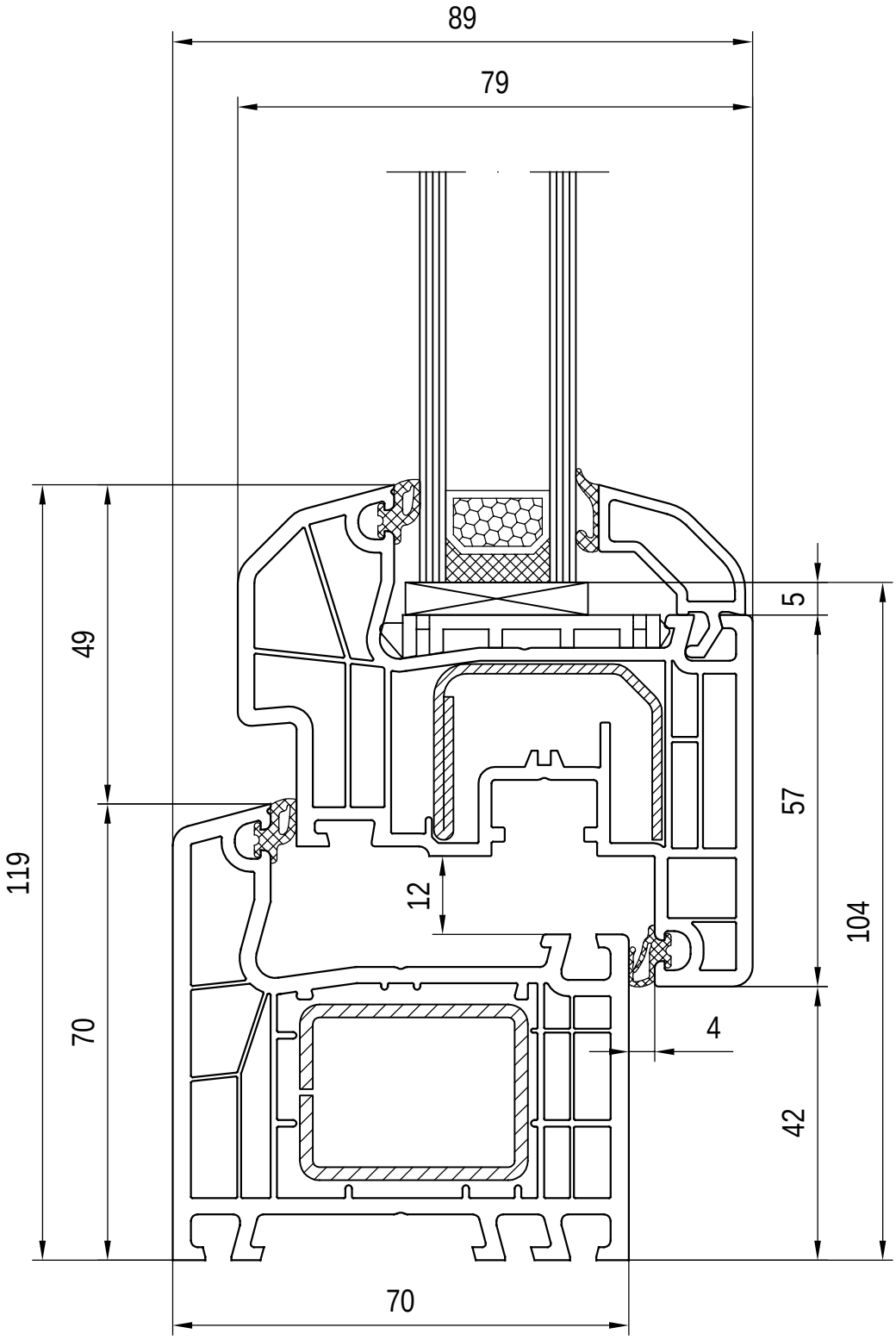

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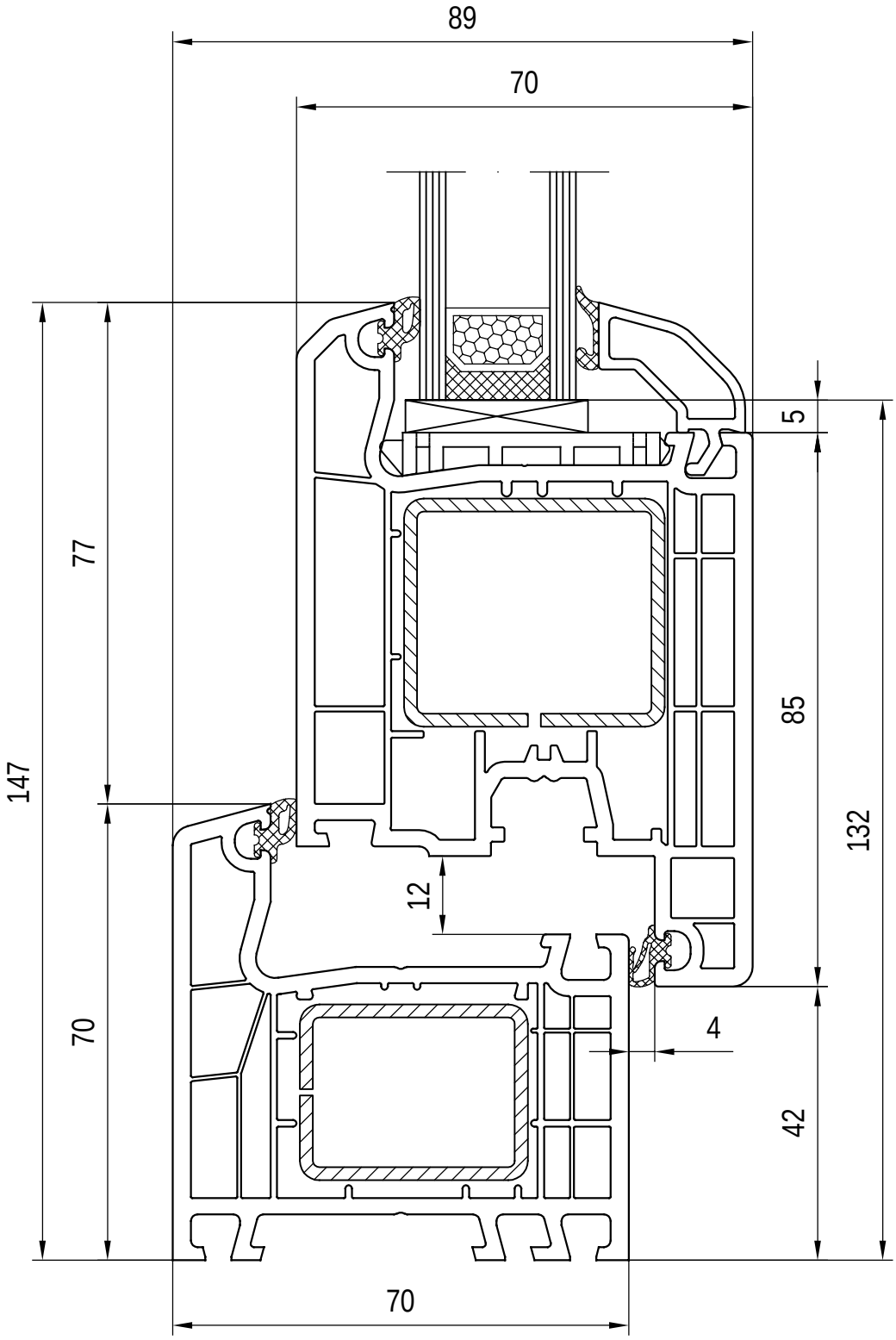

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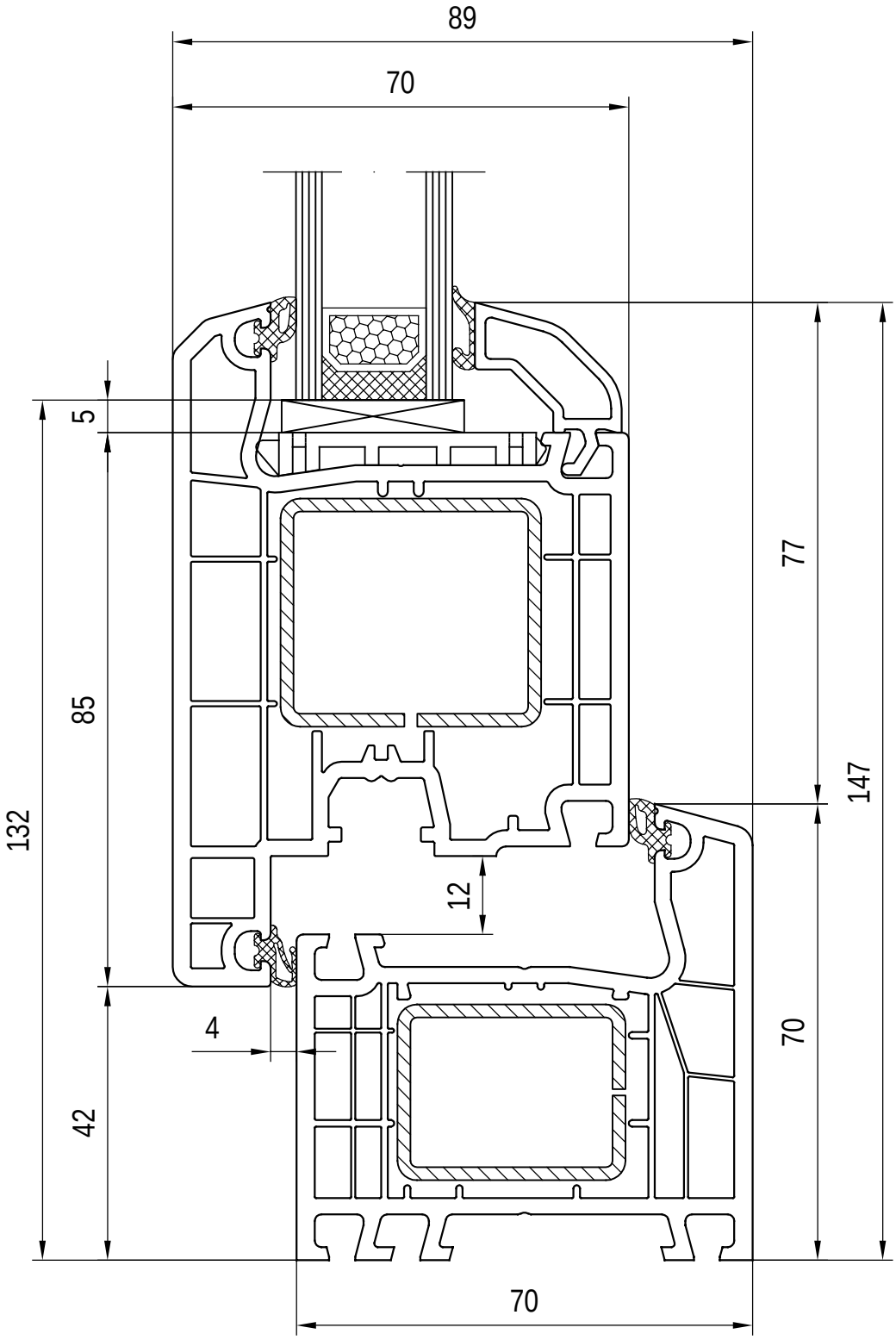

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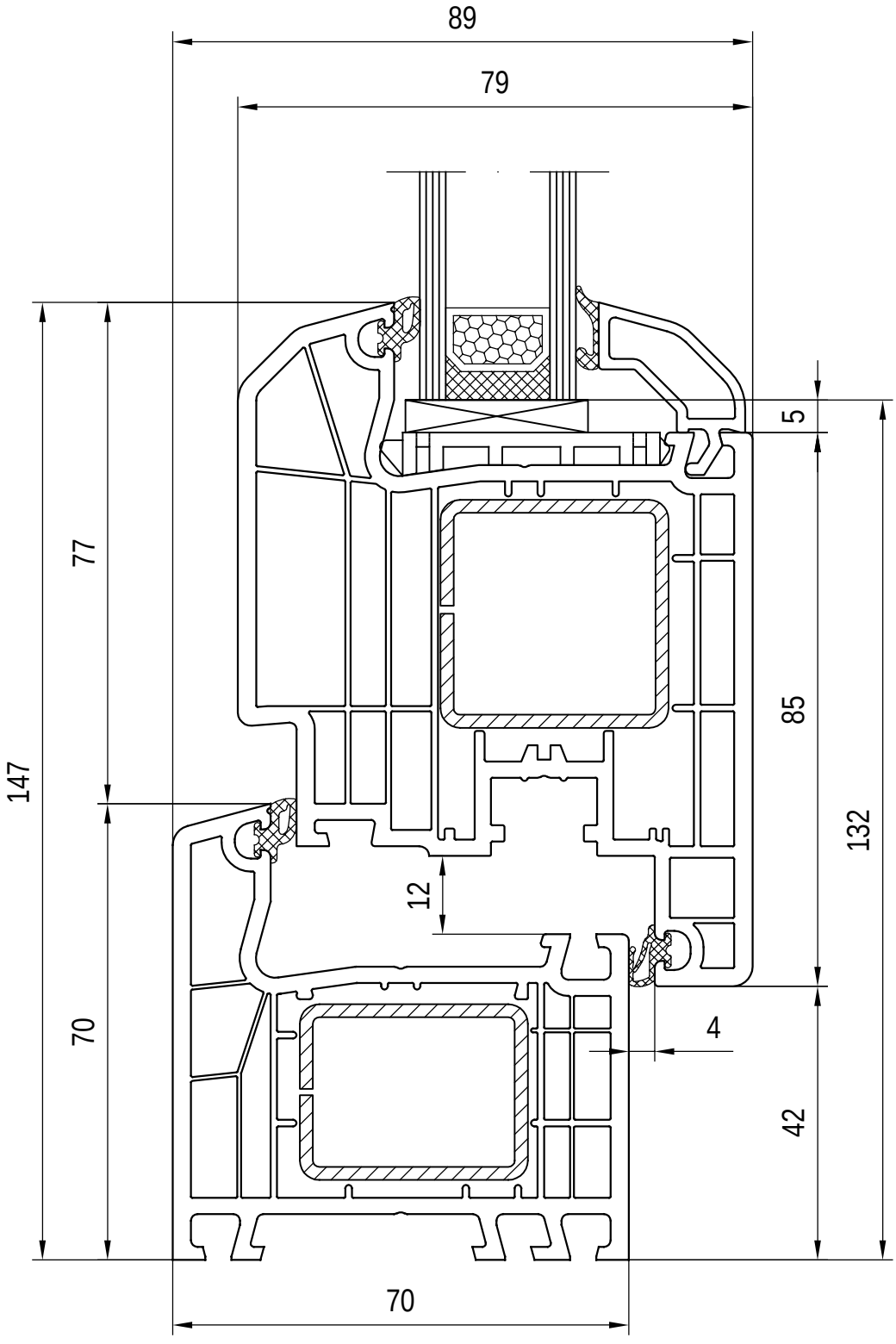

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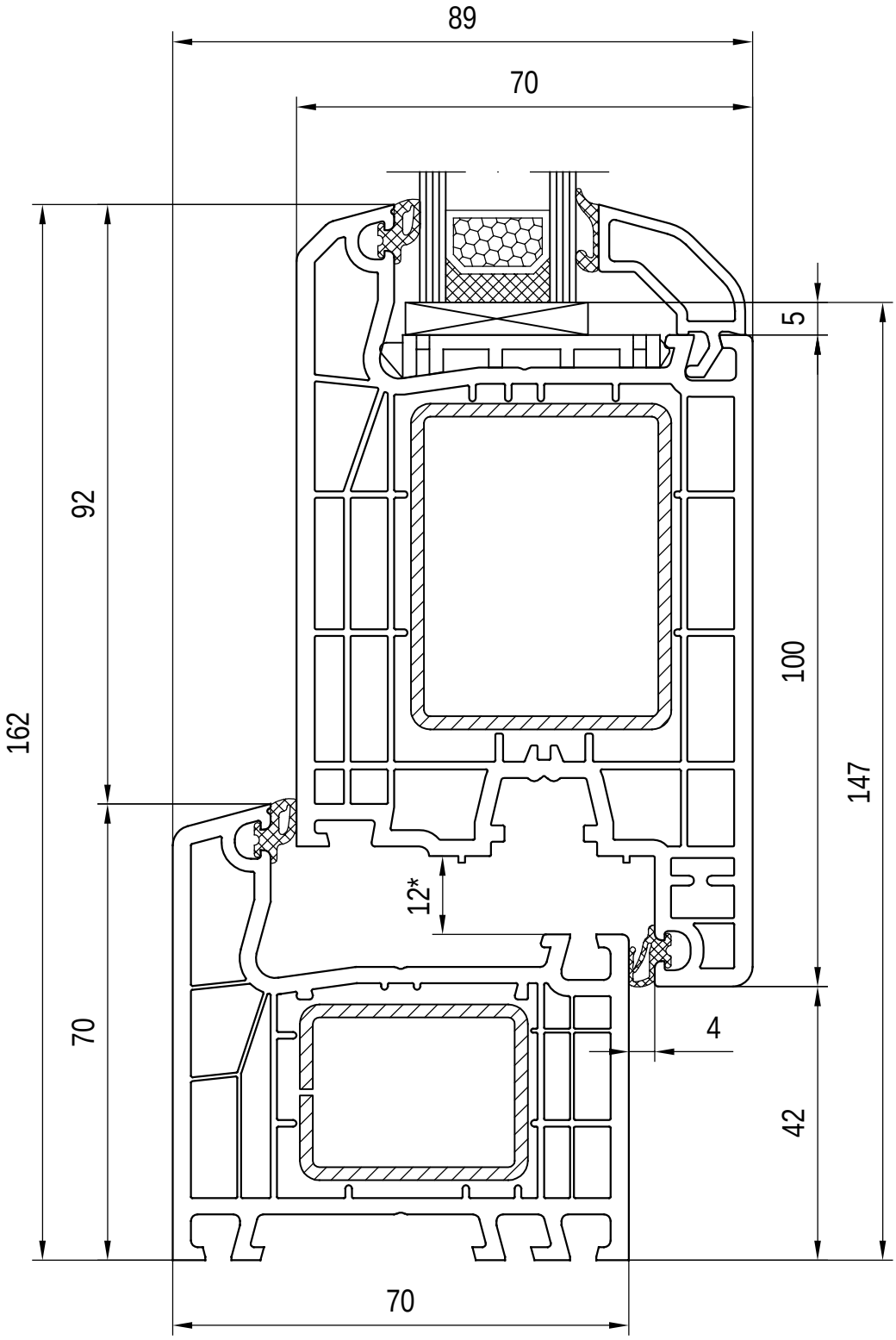

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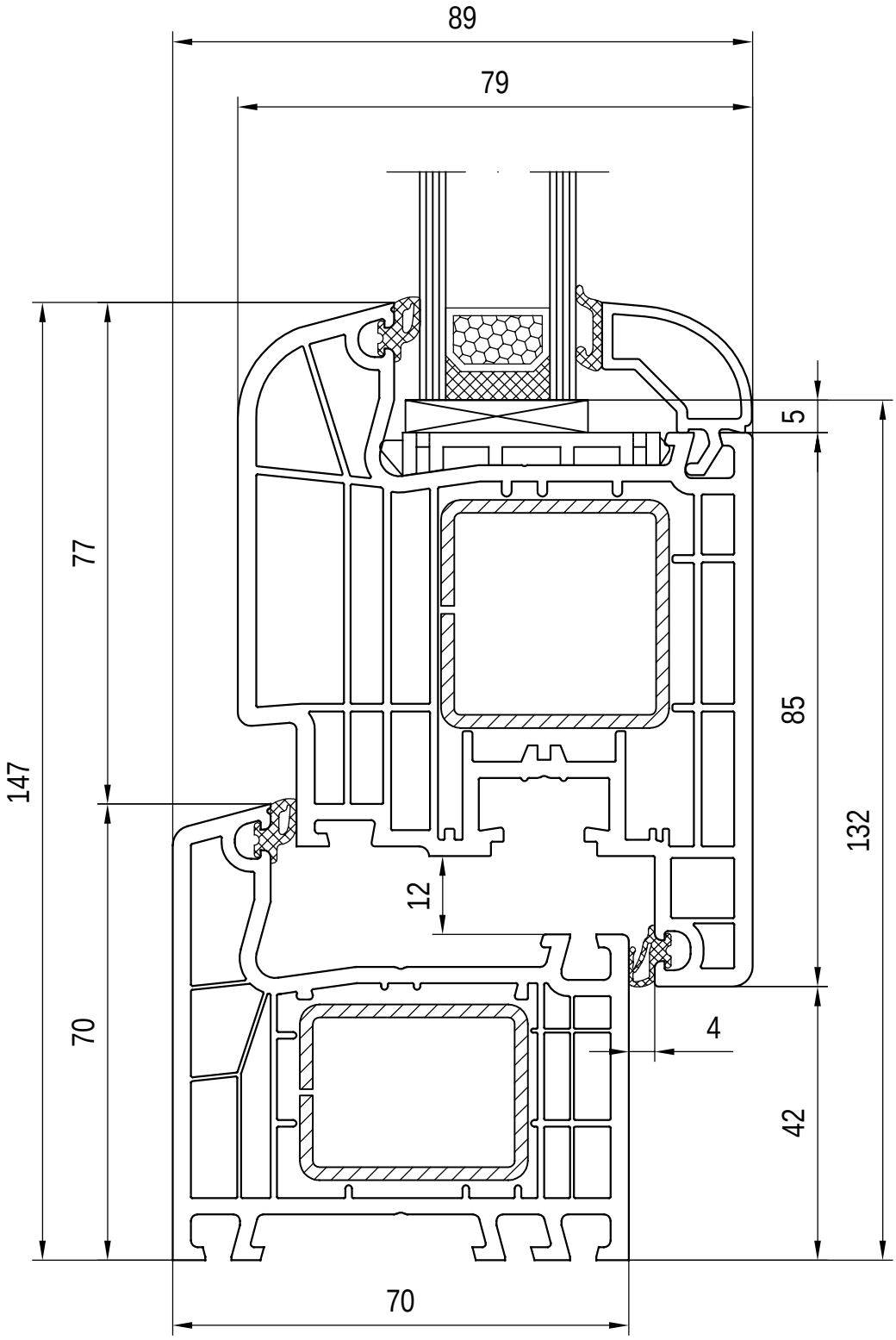

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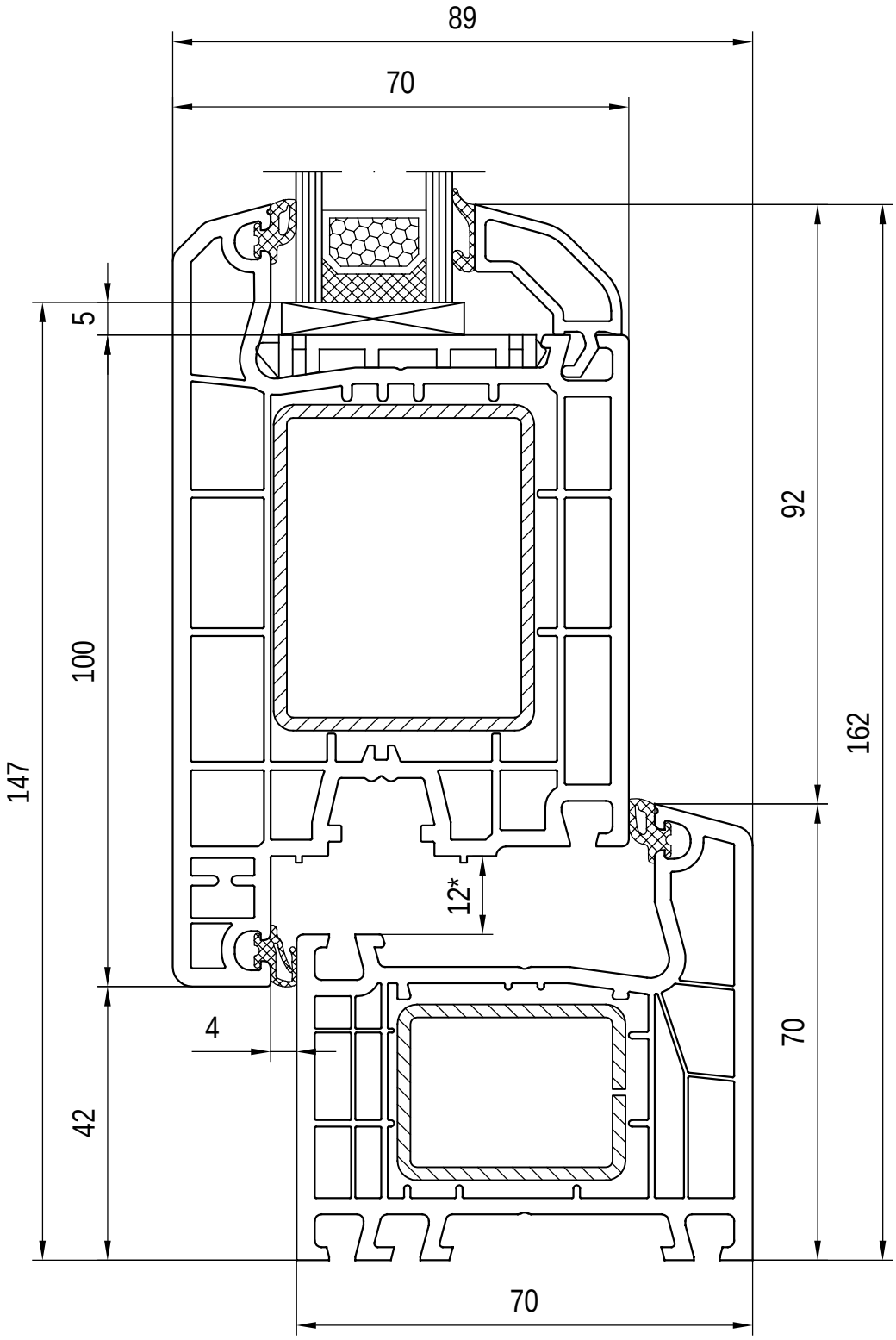

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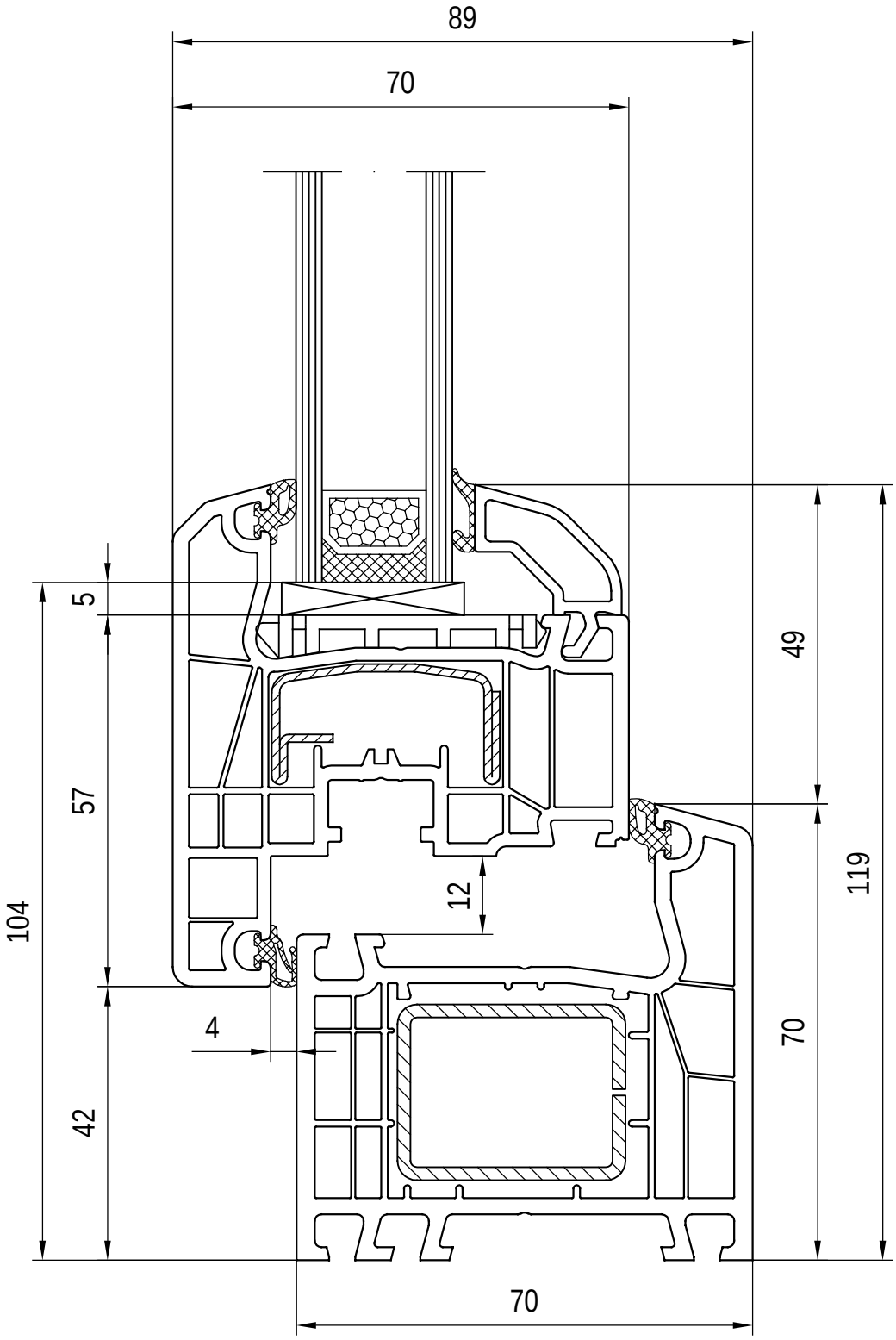


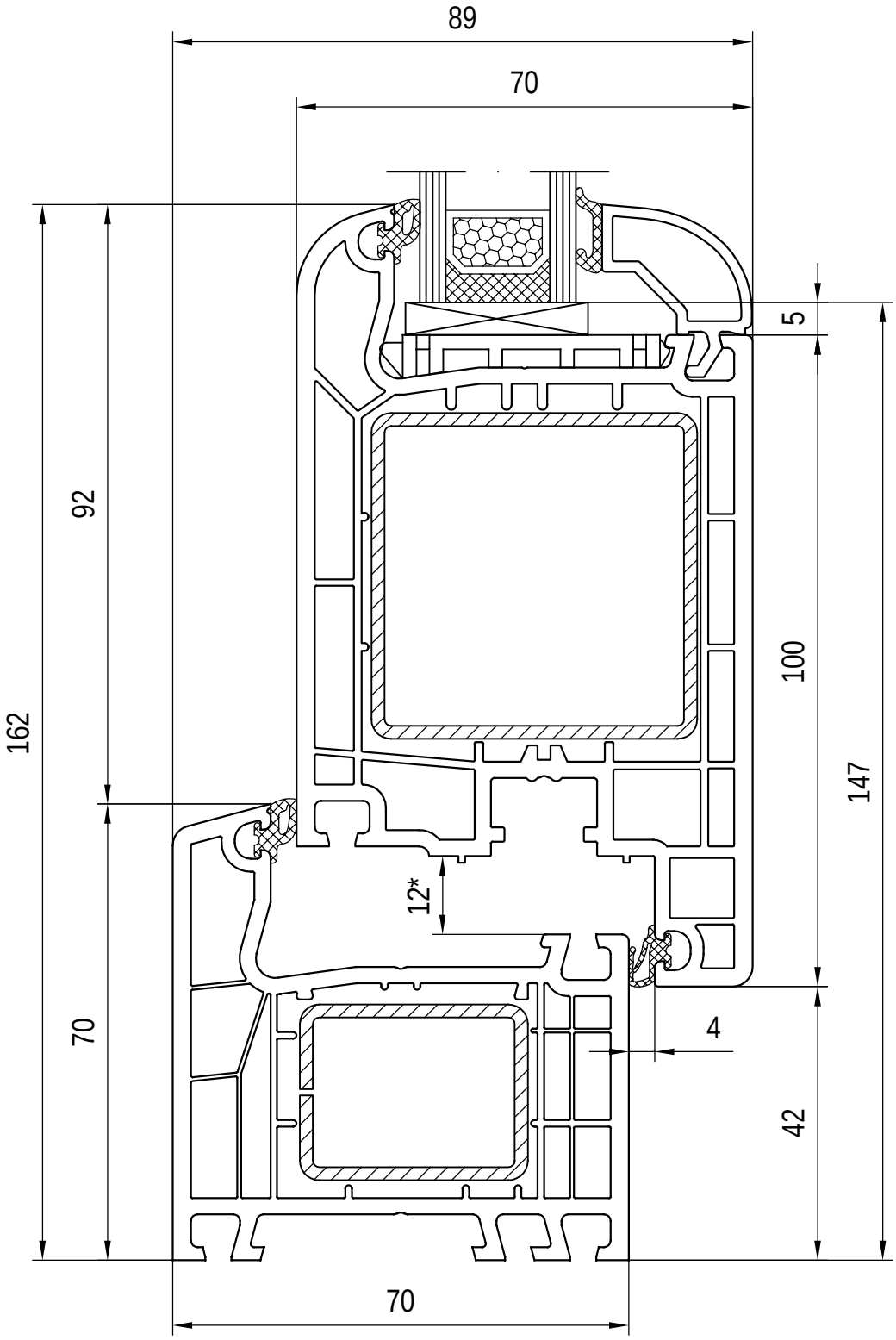
* Falzluft bei Haustüren links und rechts = 13mm


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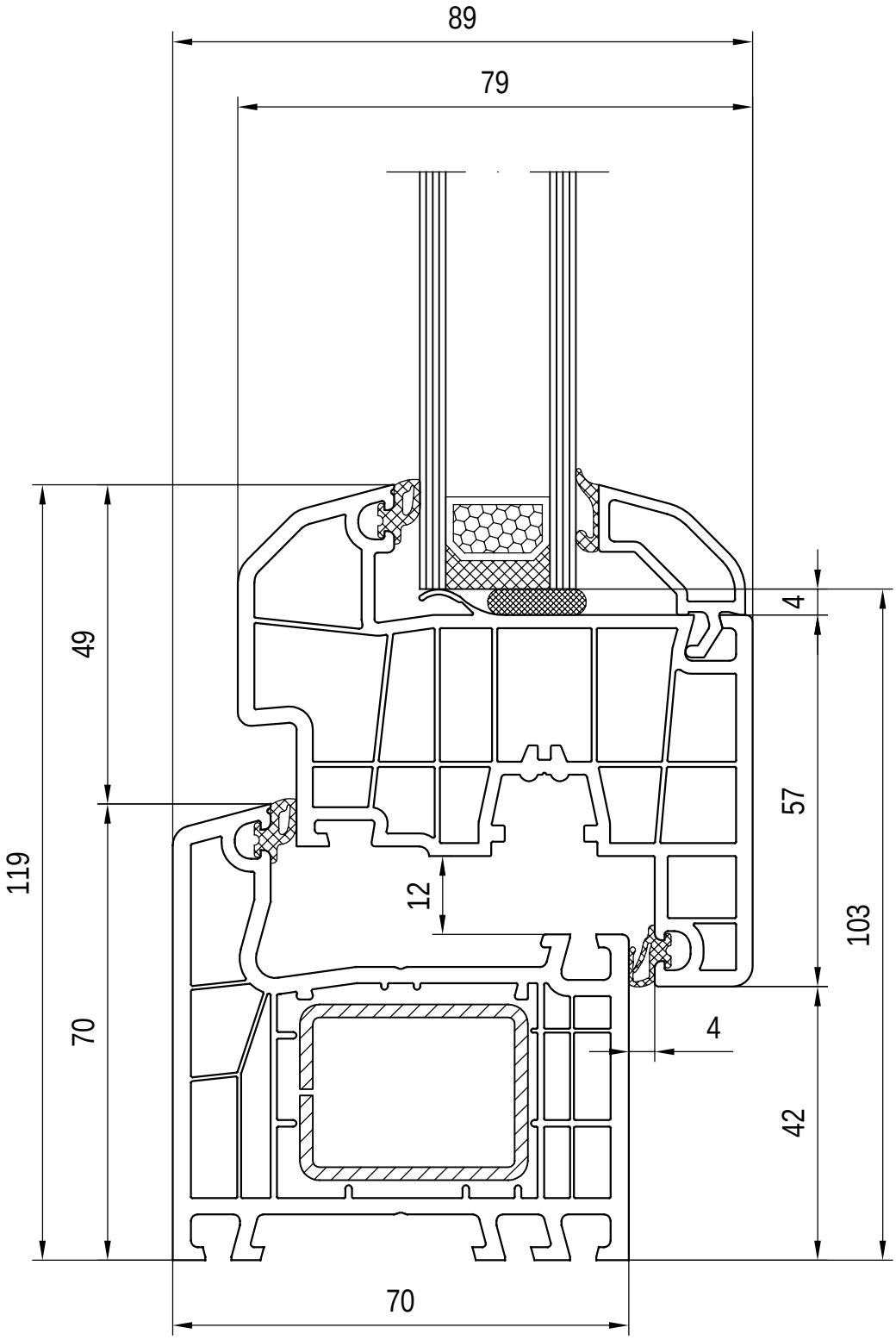


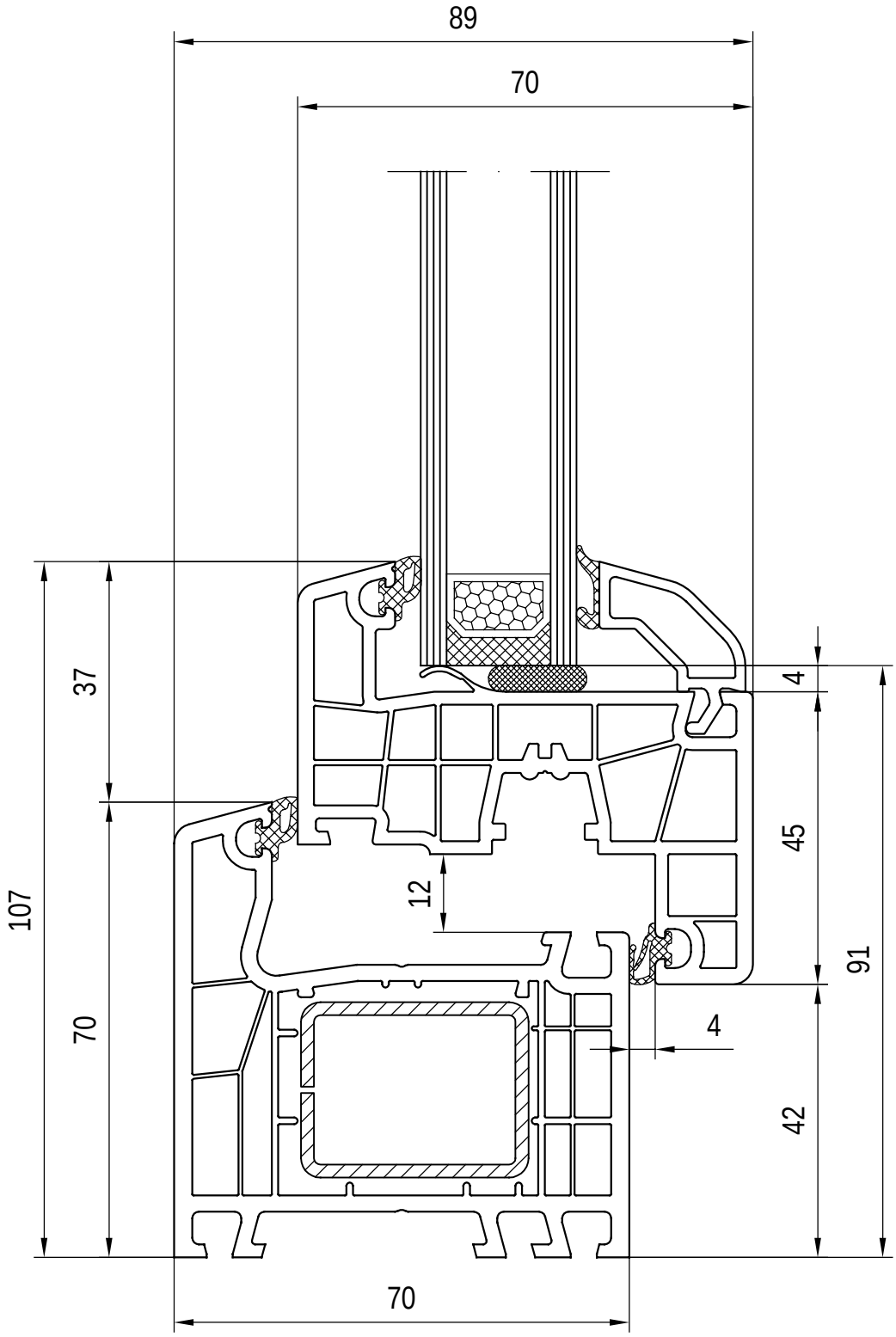
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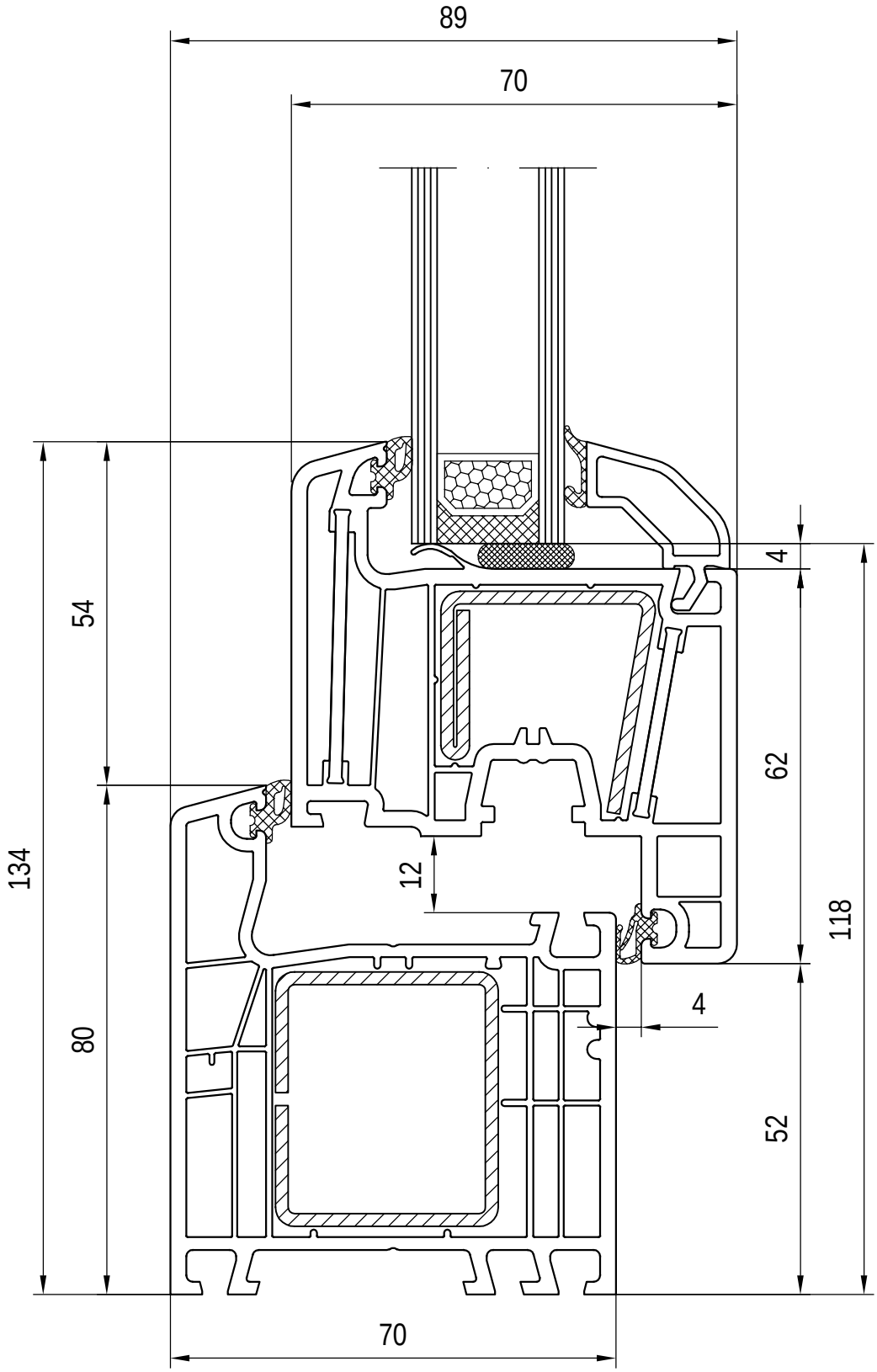

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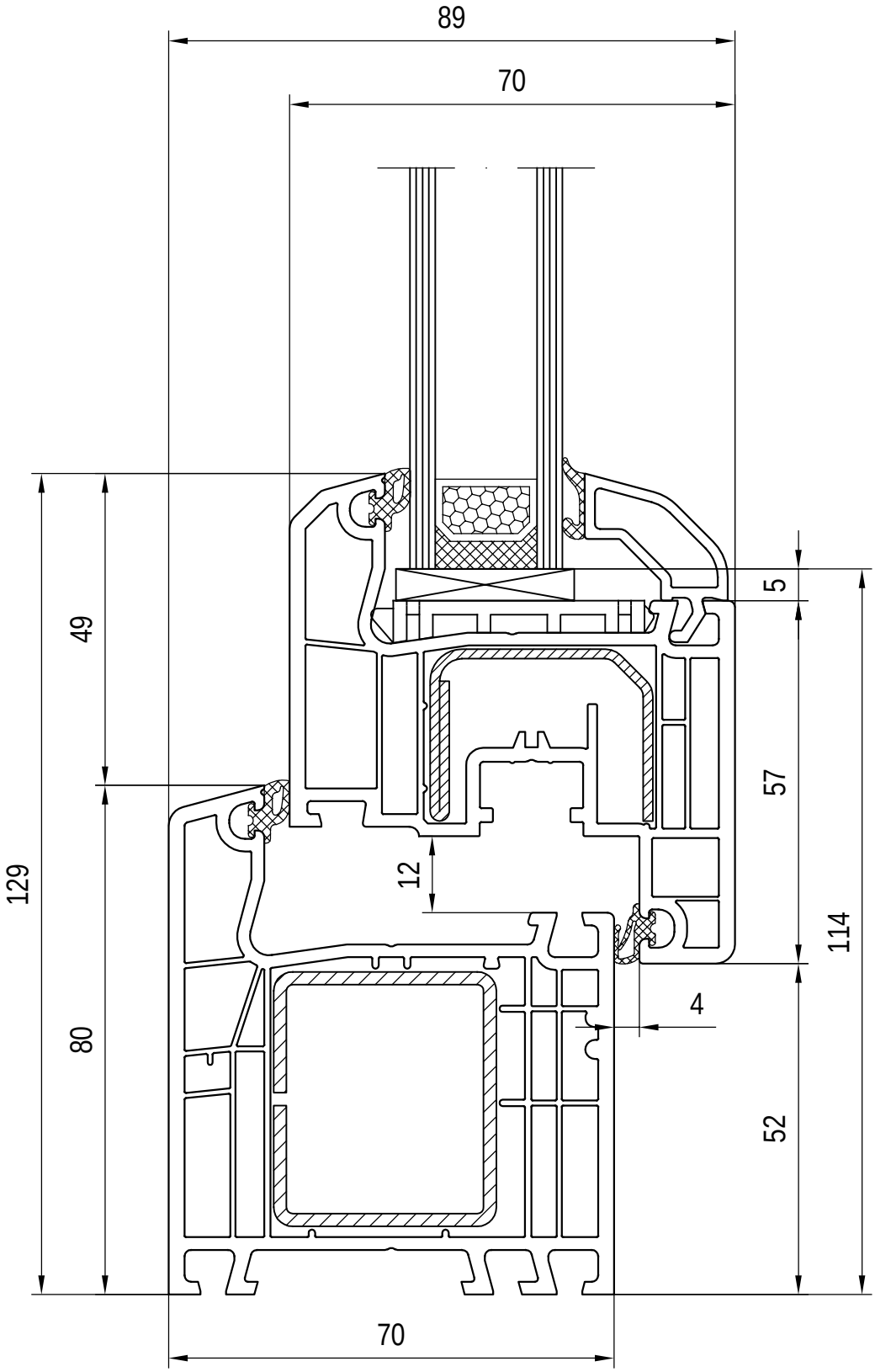


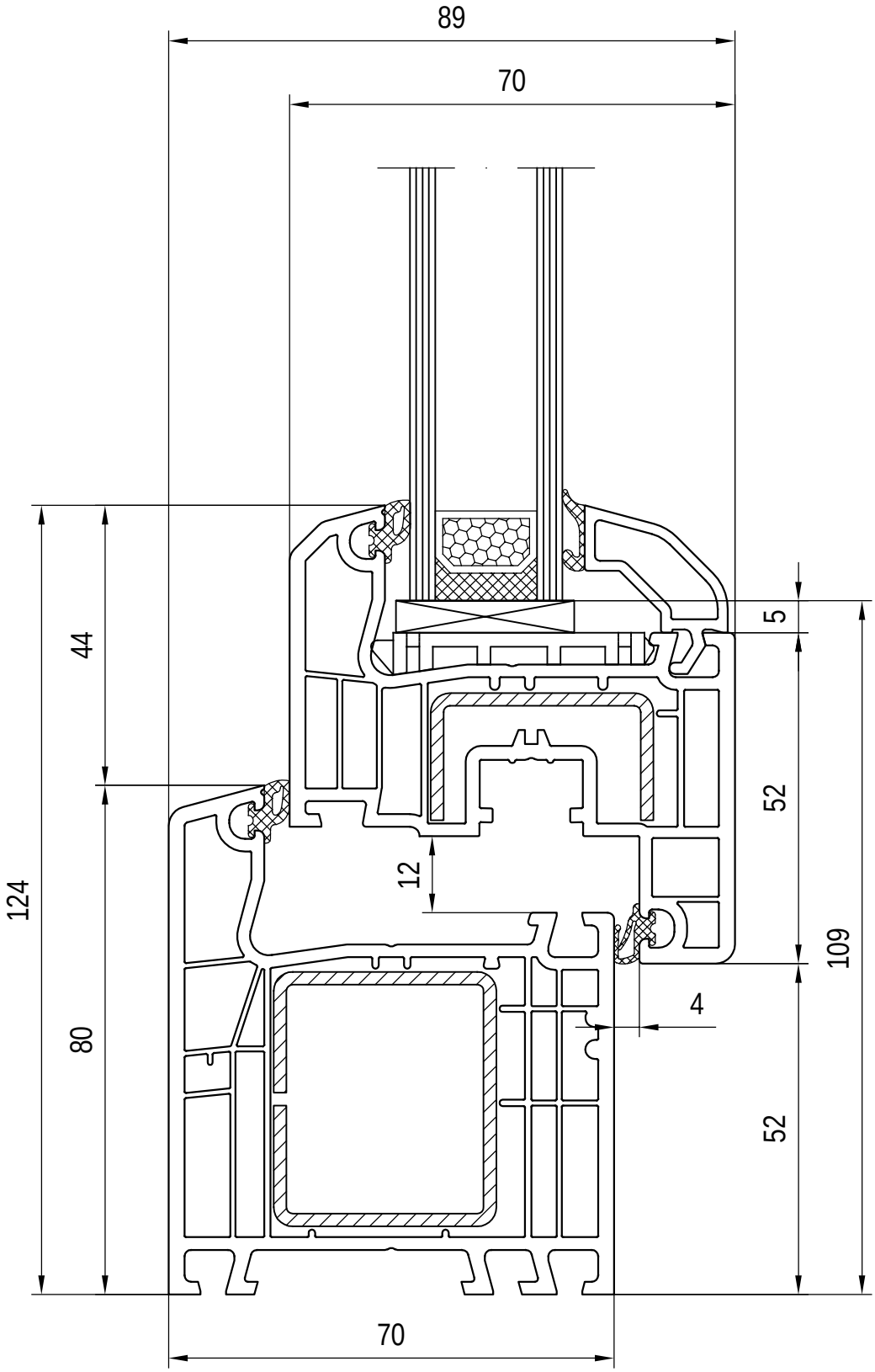
* Falzluft bei Haustüren links und rechts = 13mm

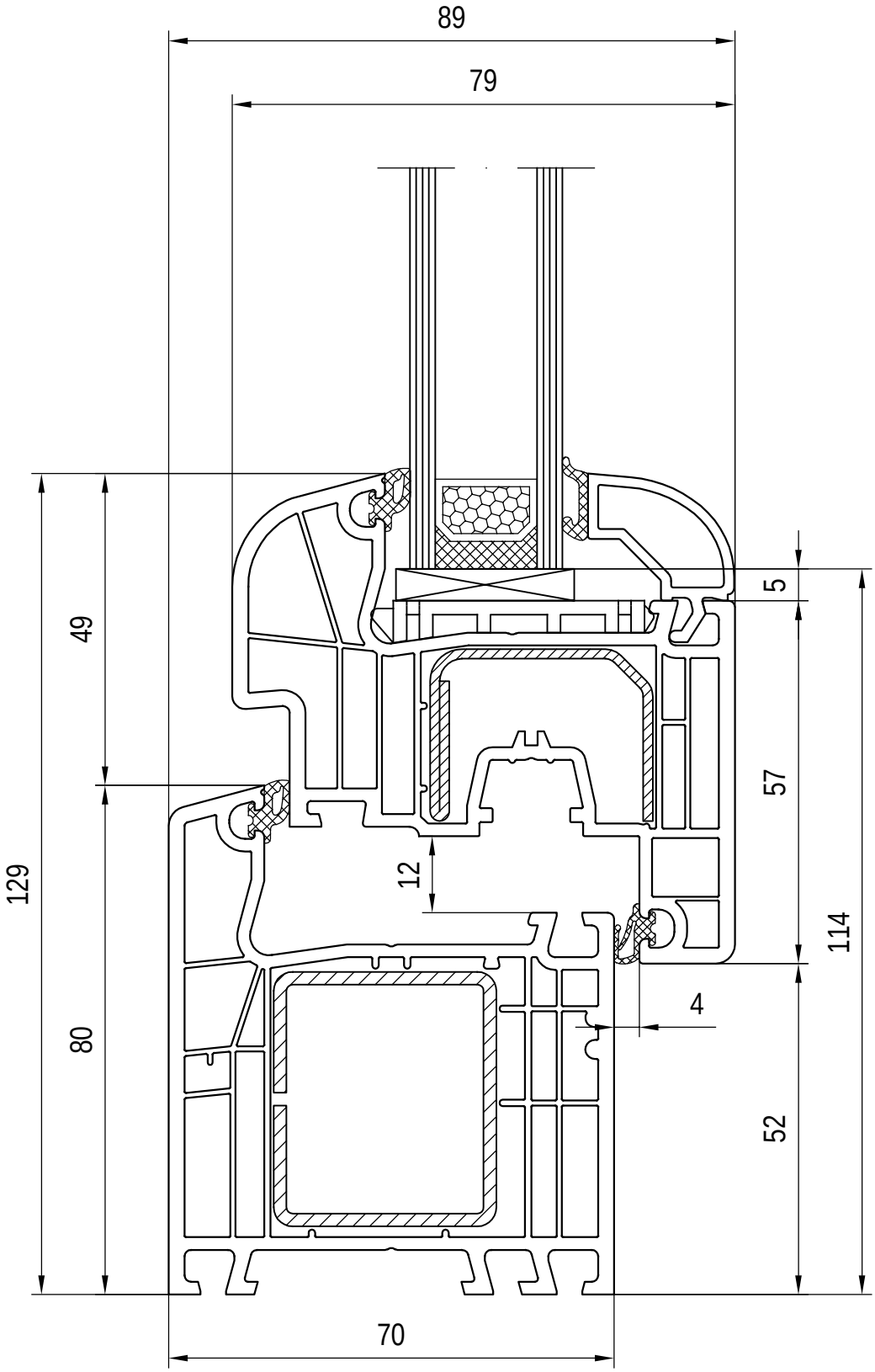

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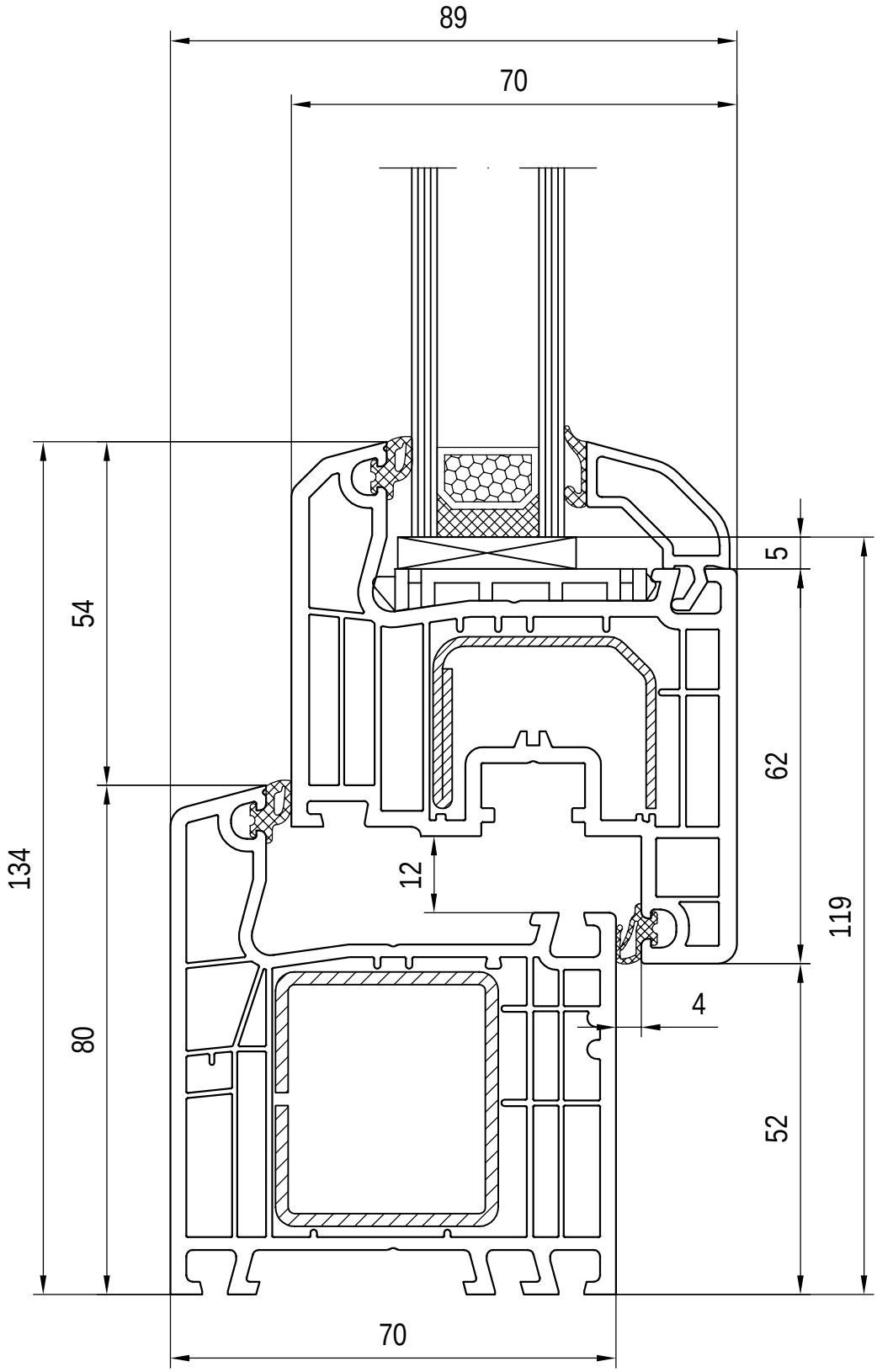

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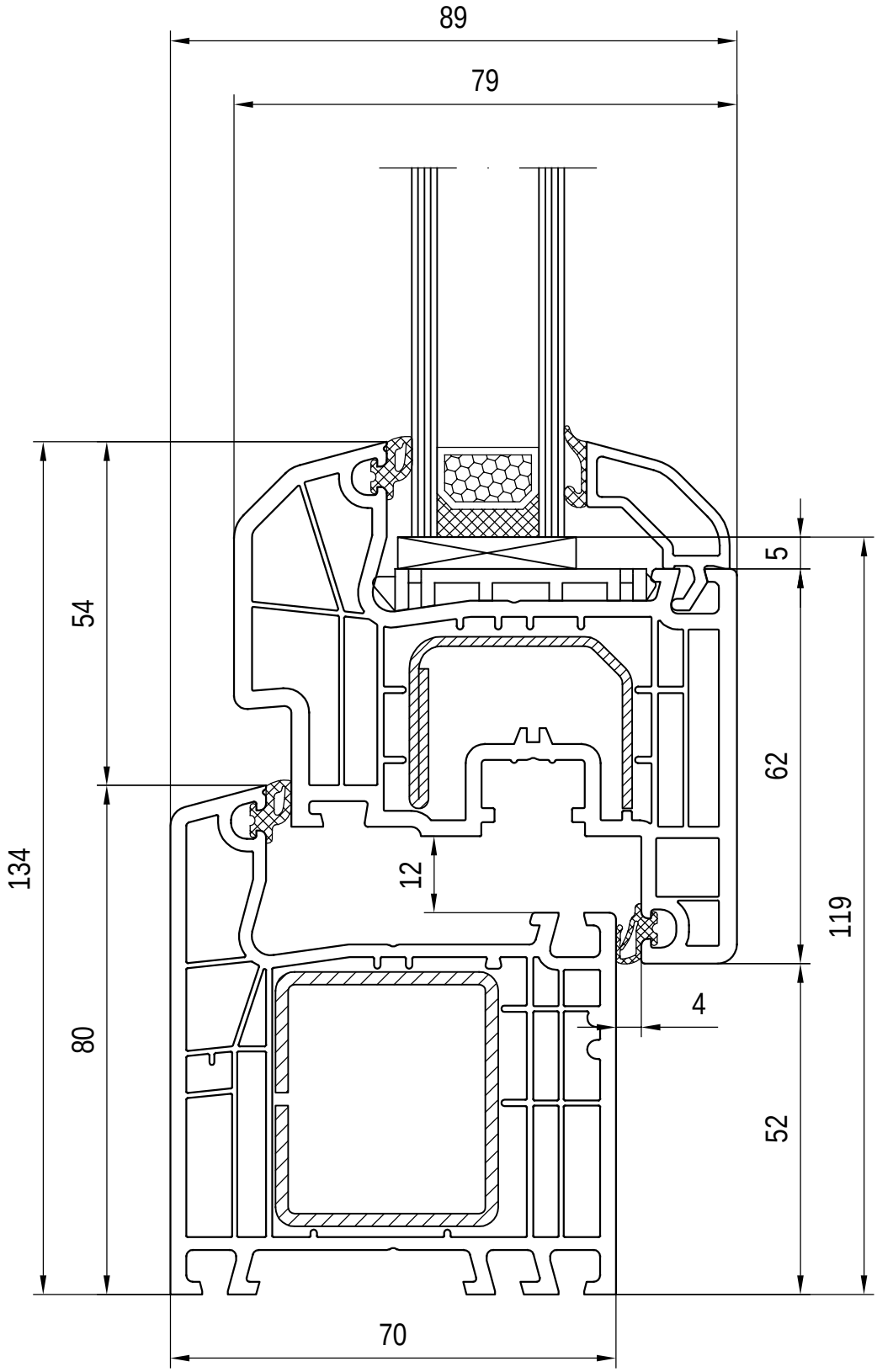

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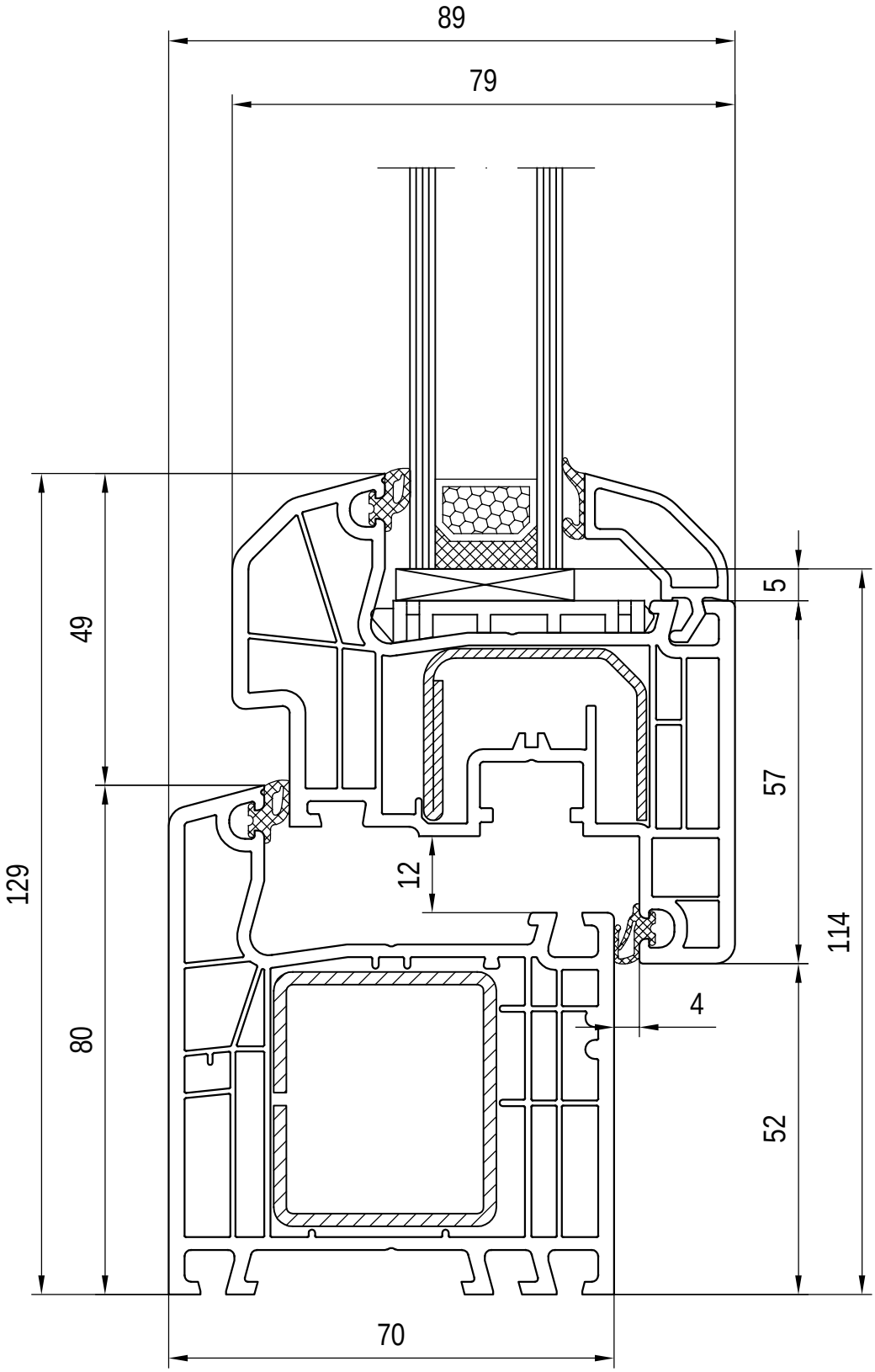

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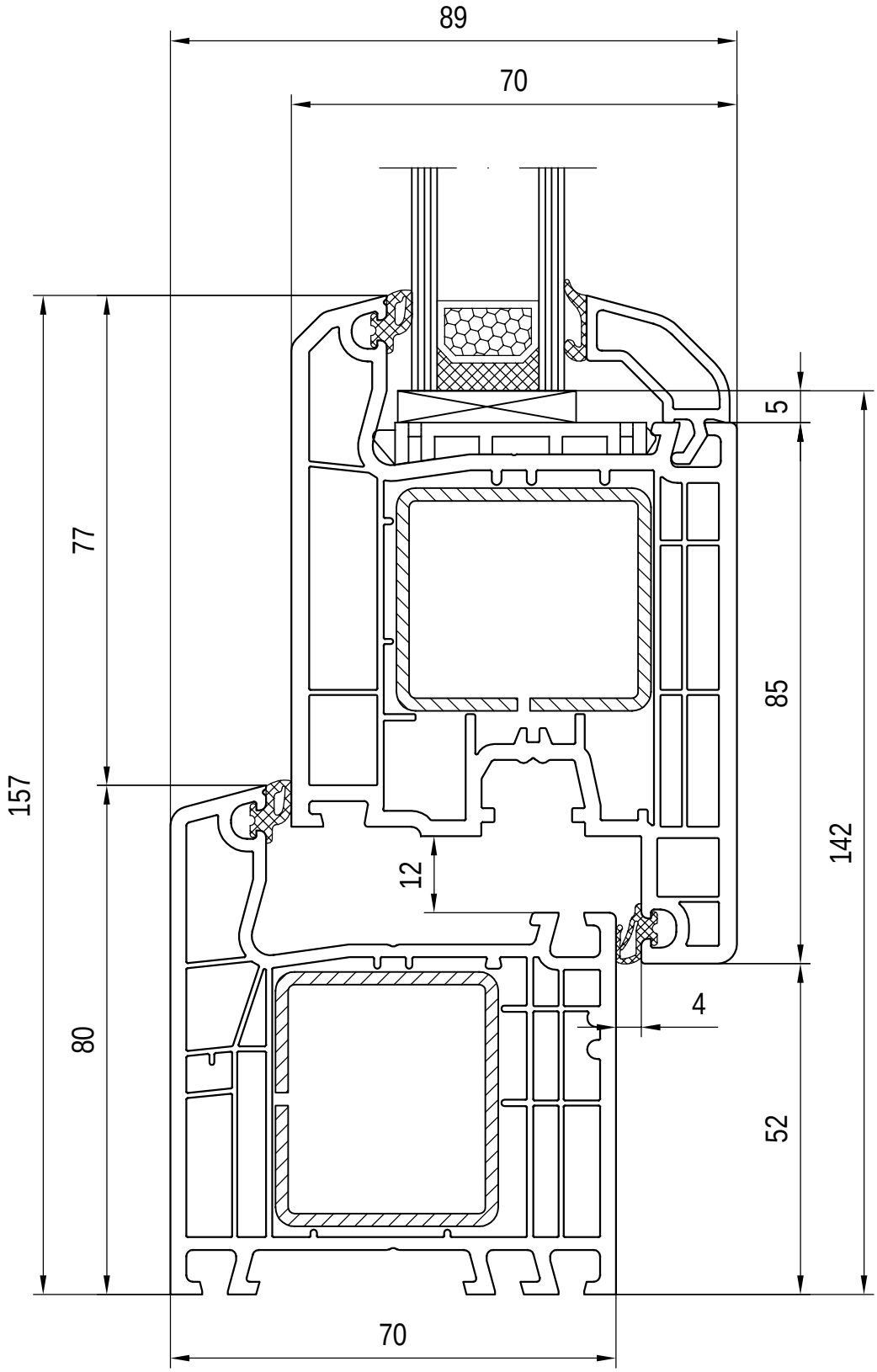

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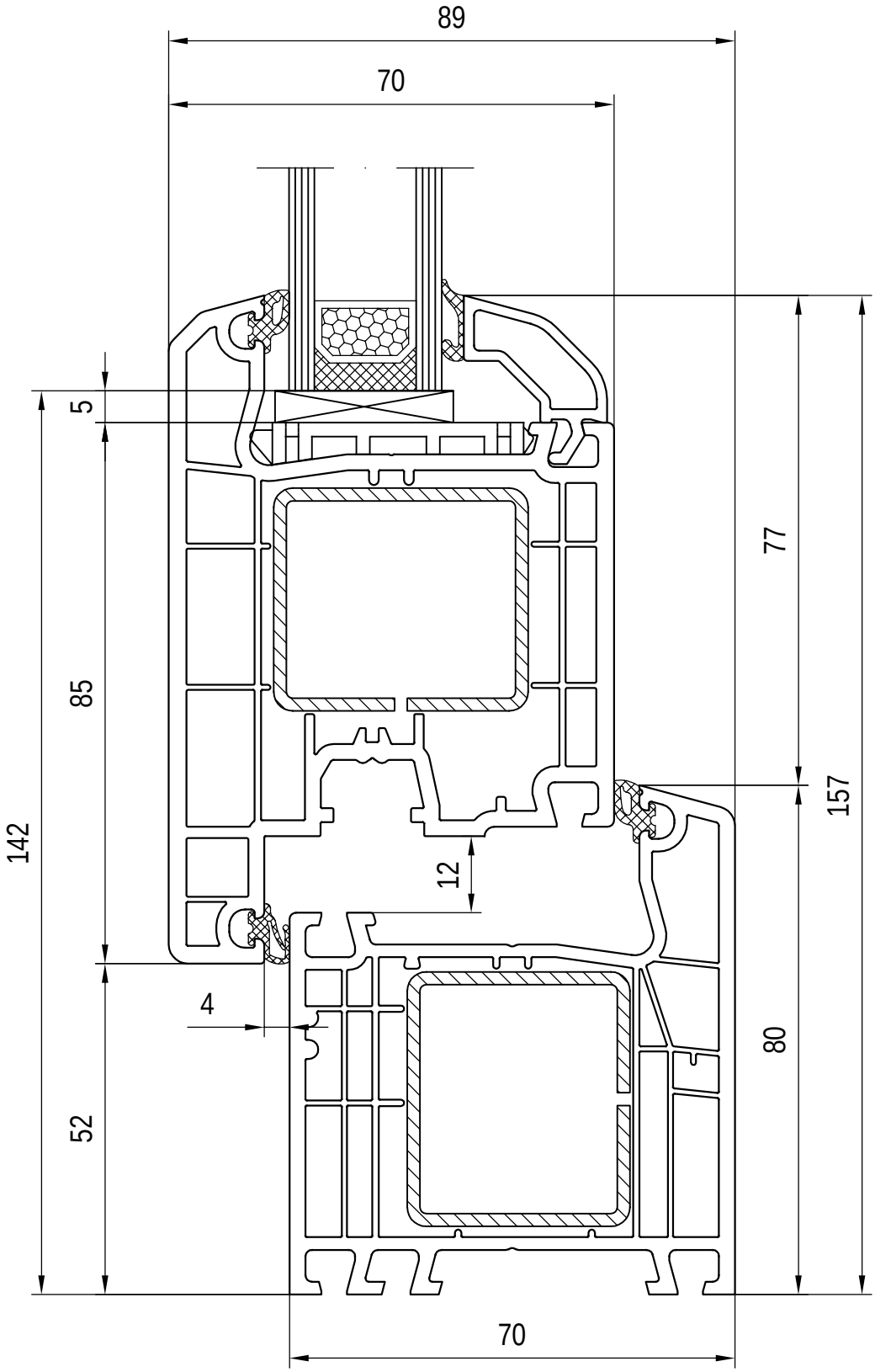

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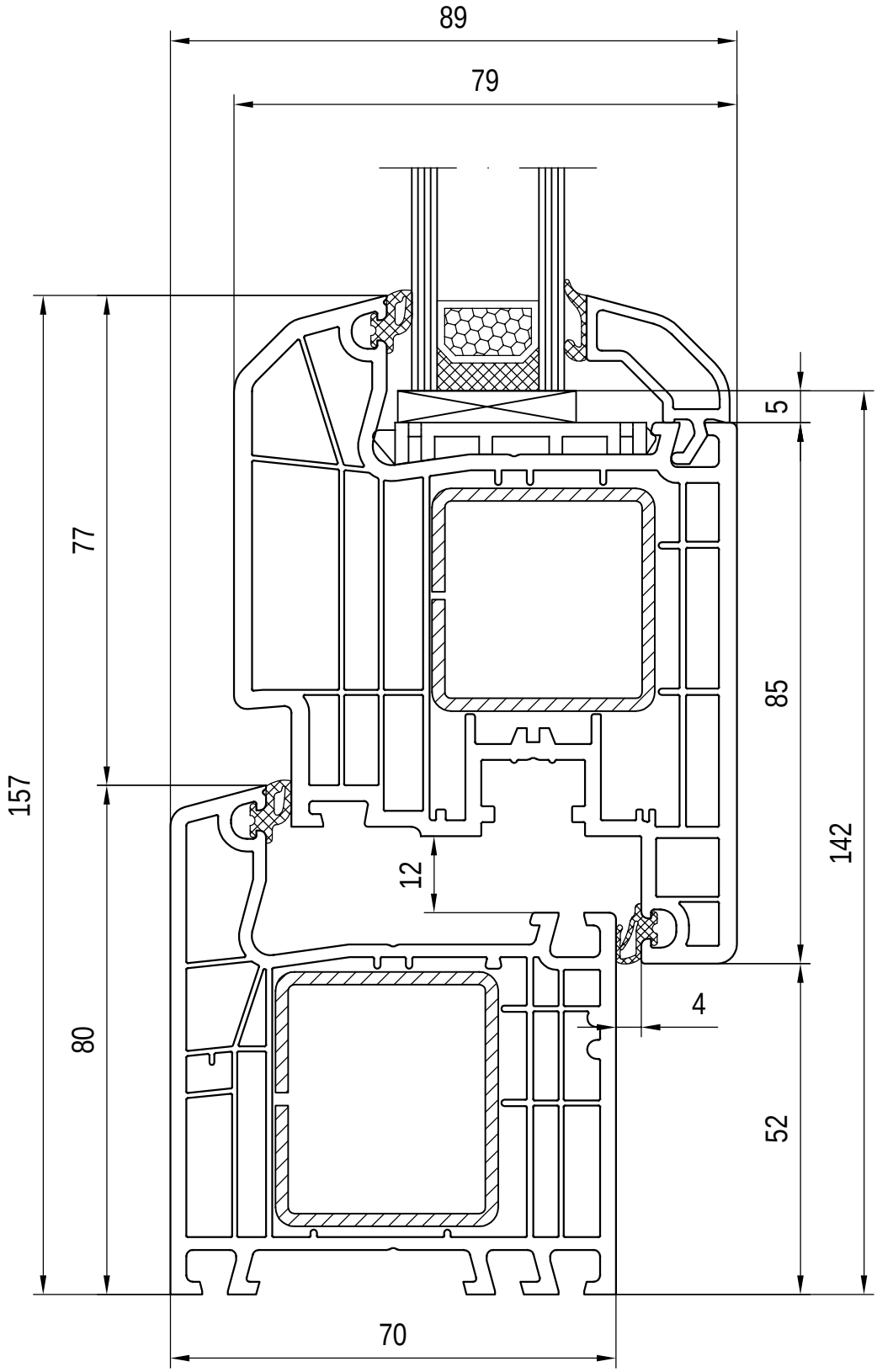

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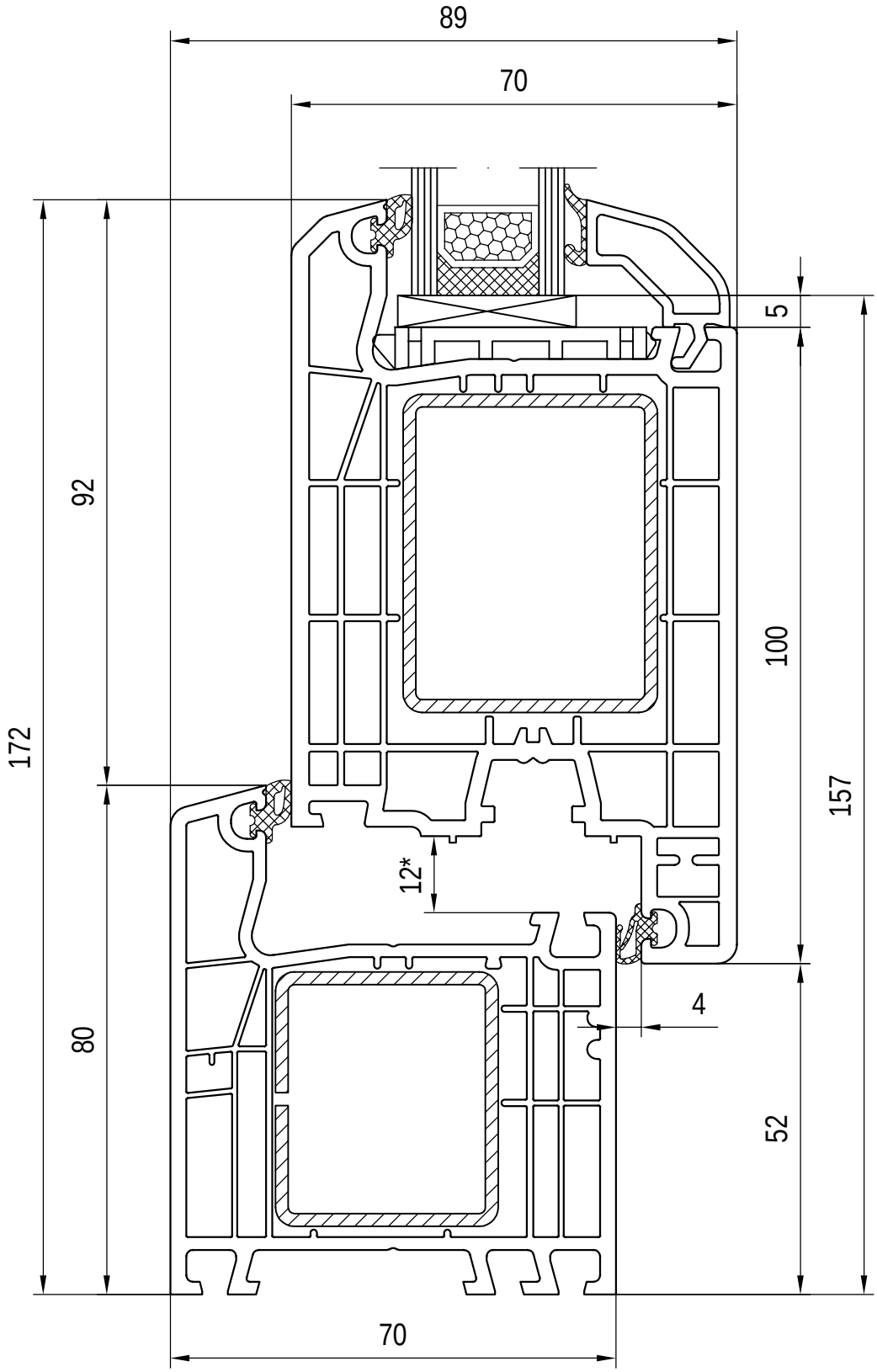

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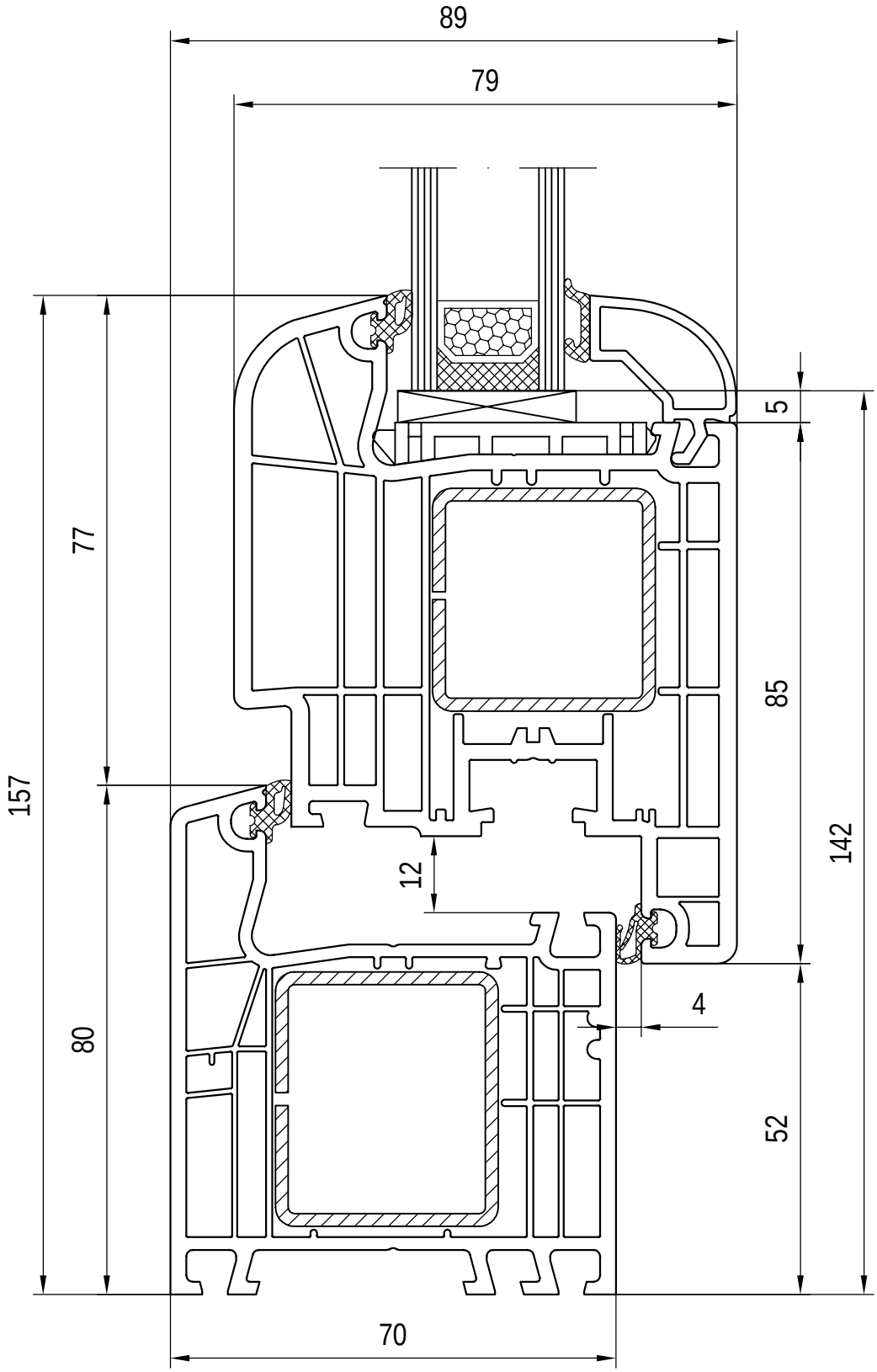


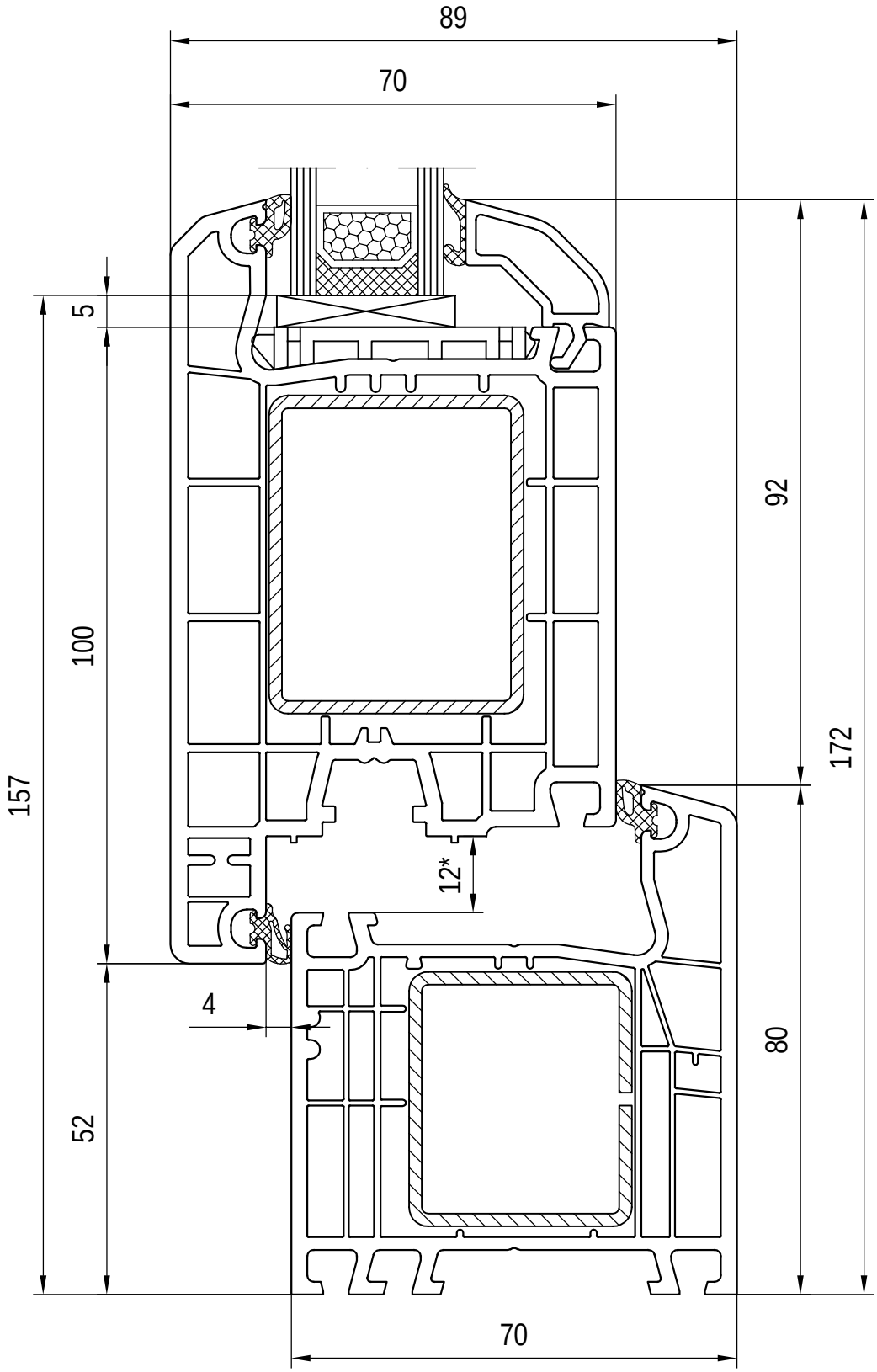
* Falzluft bei Haustüren links und rechts = 13mm

Kombinationen: Rahmen - Flügel

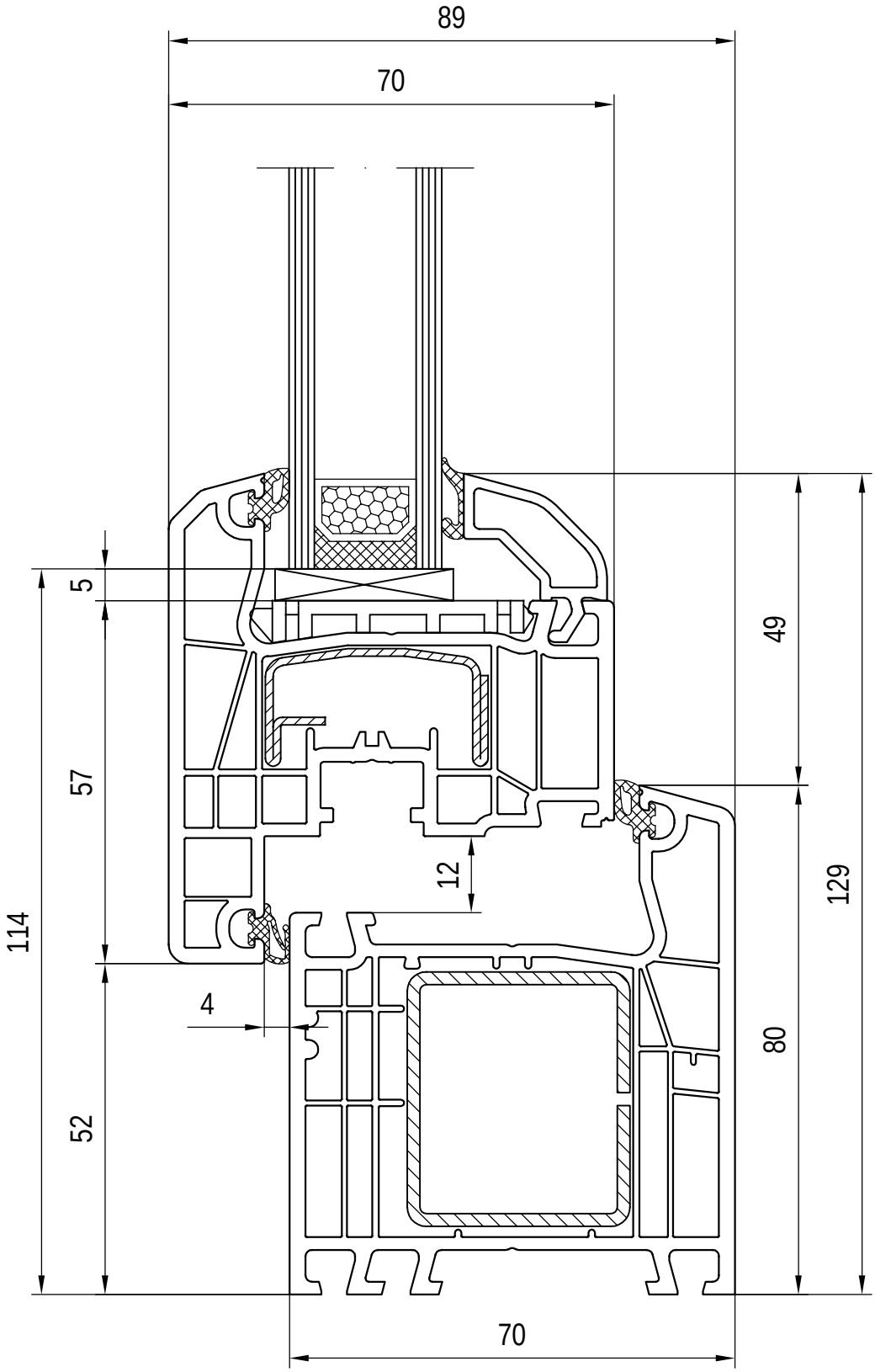
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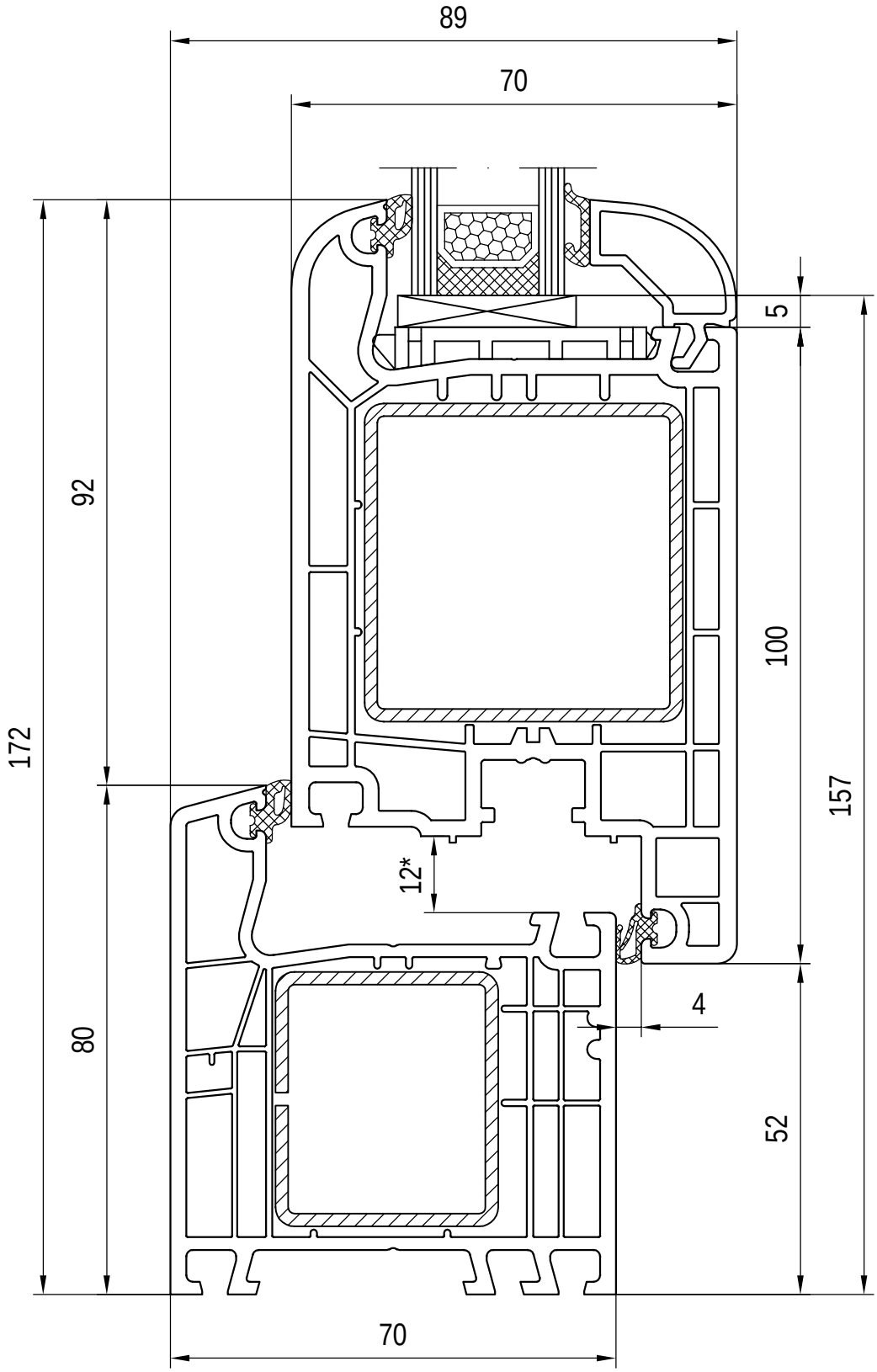
Rahmen 140x03
Flügel 140x33


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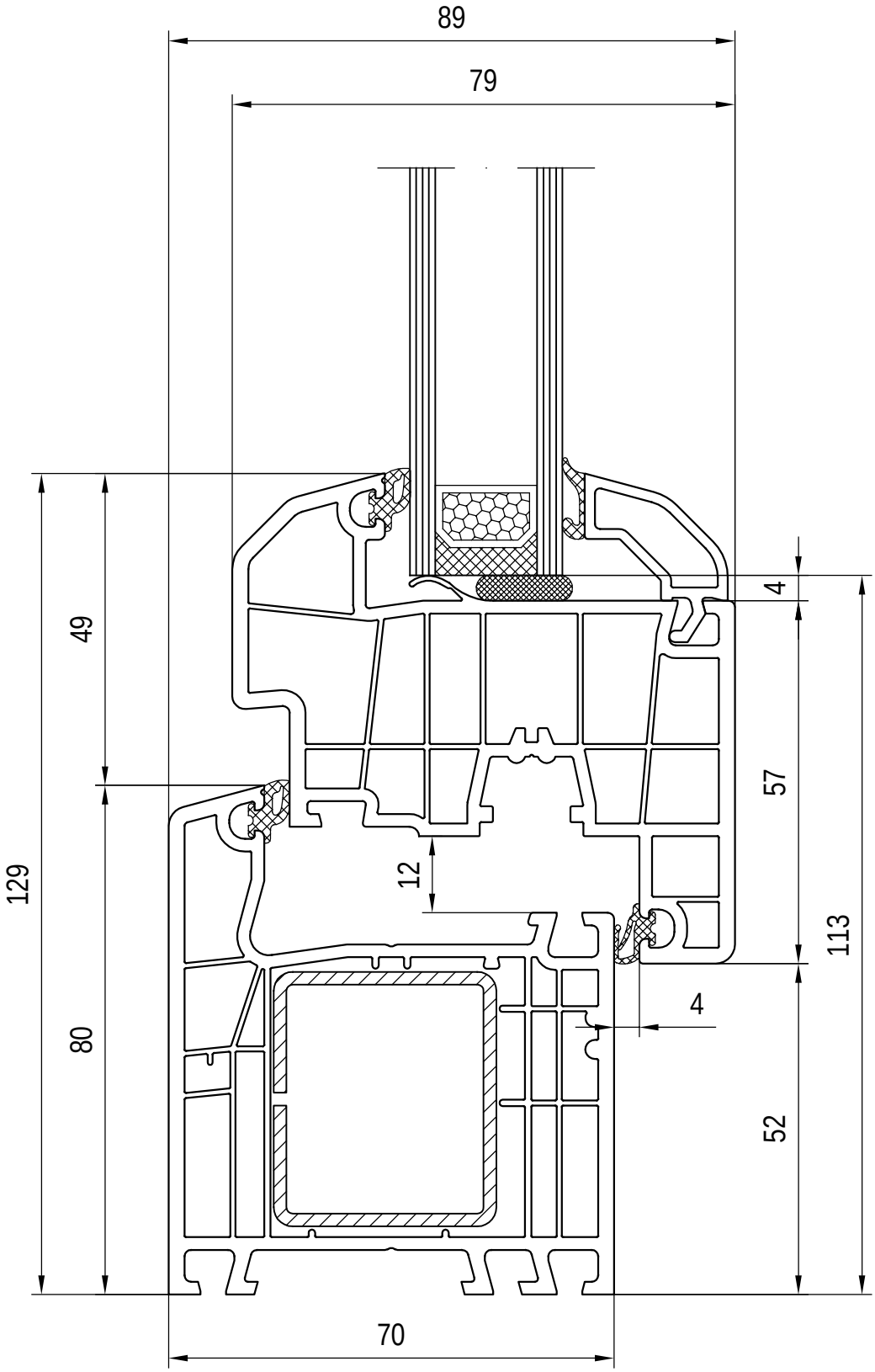


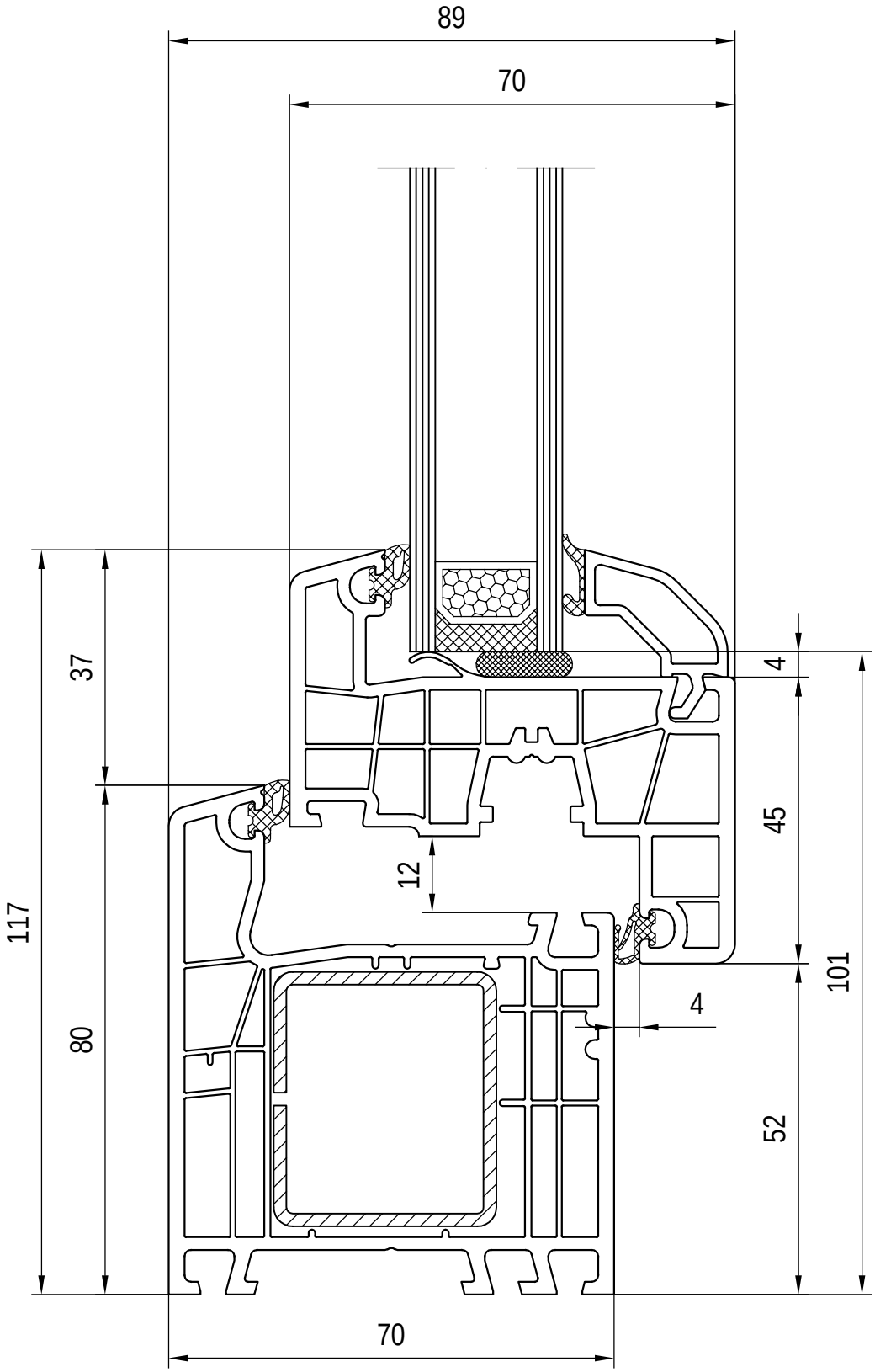
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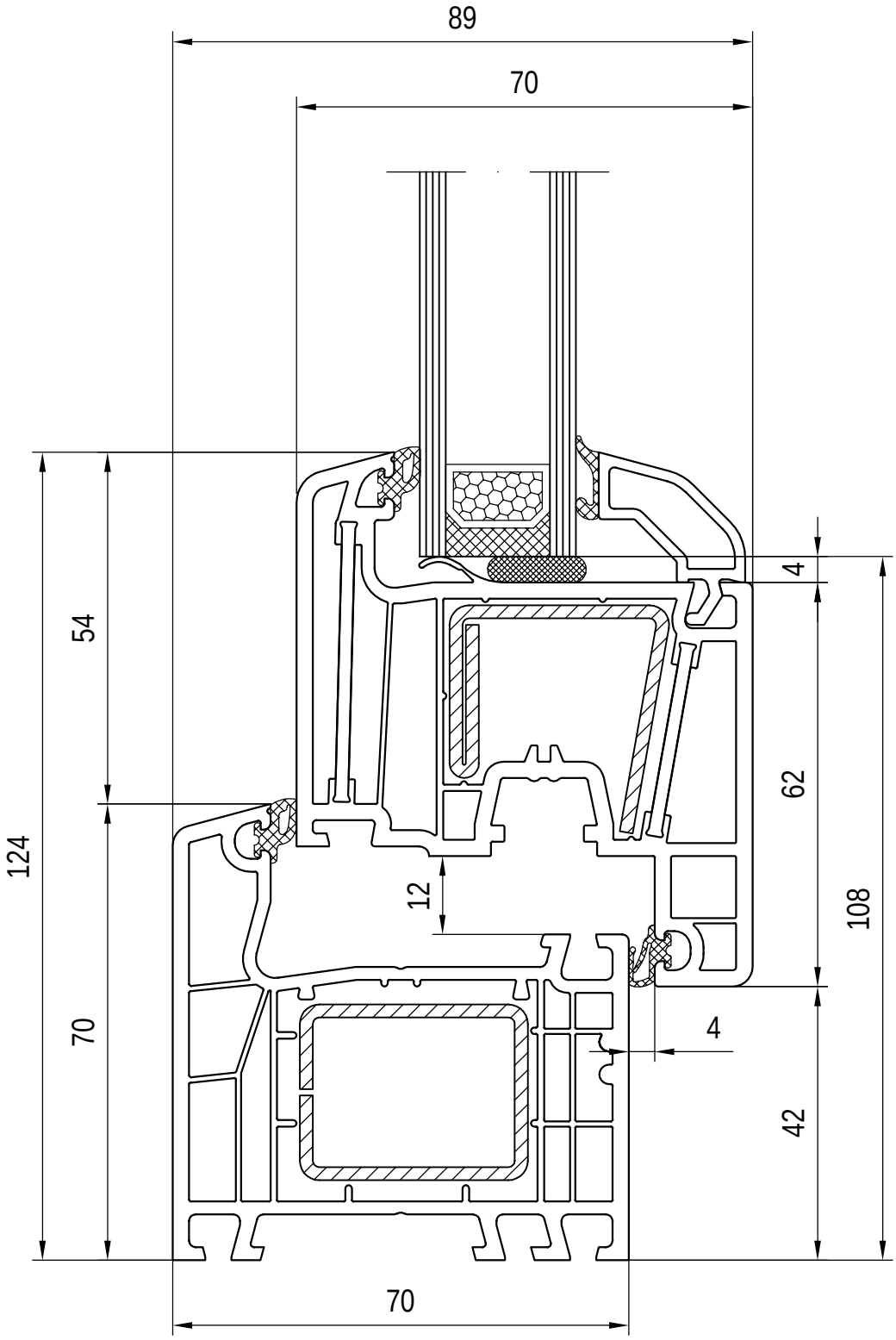

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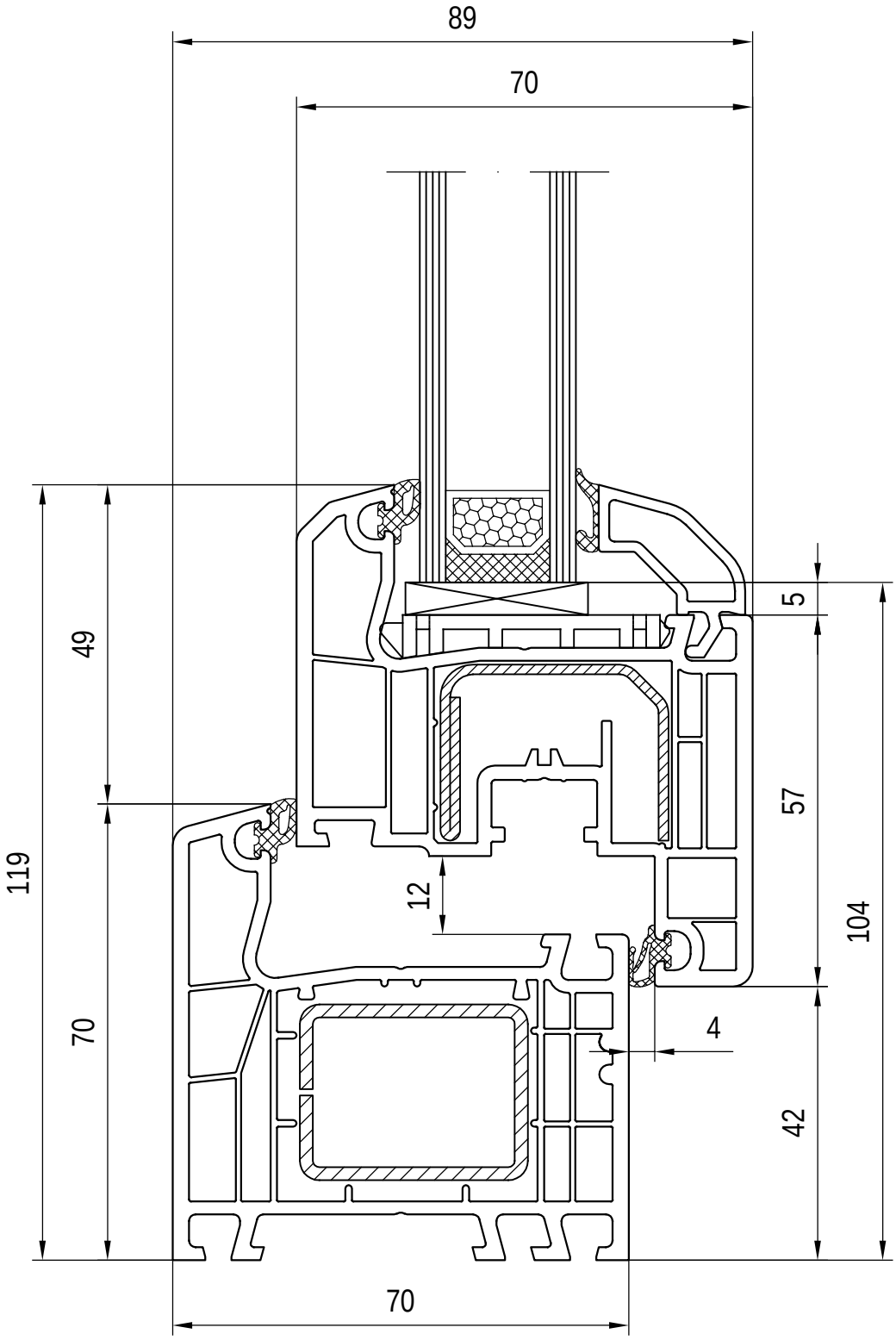


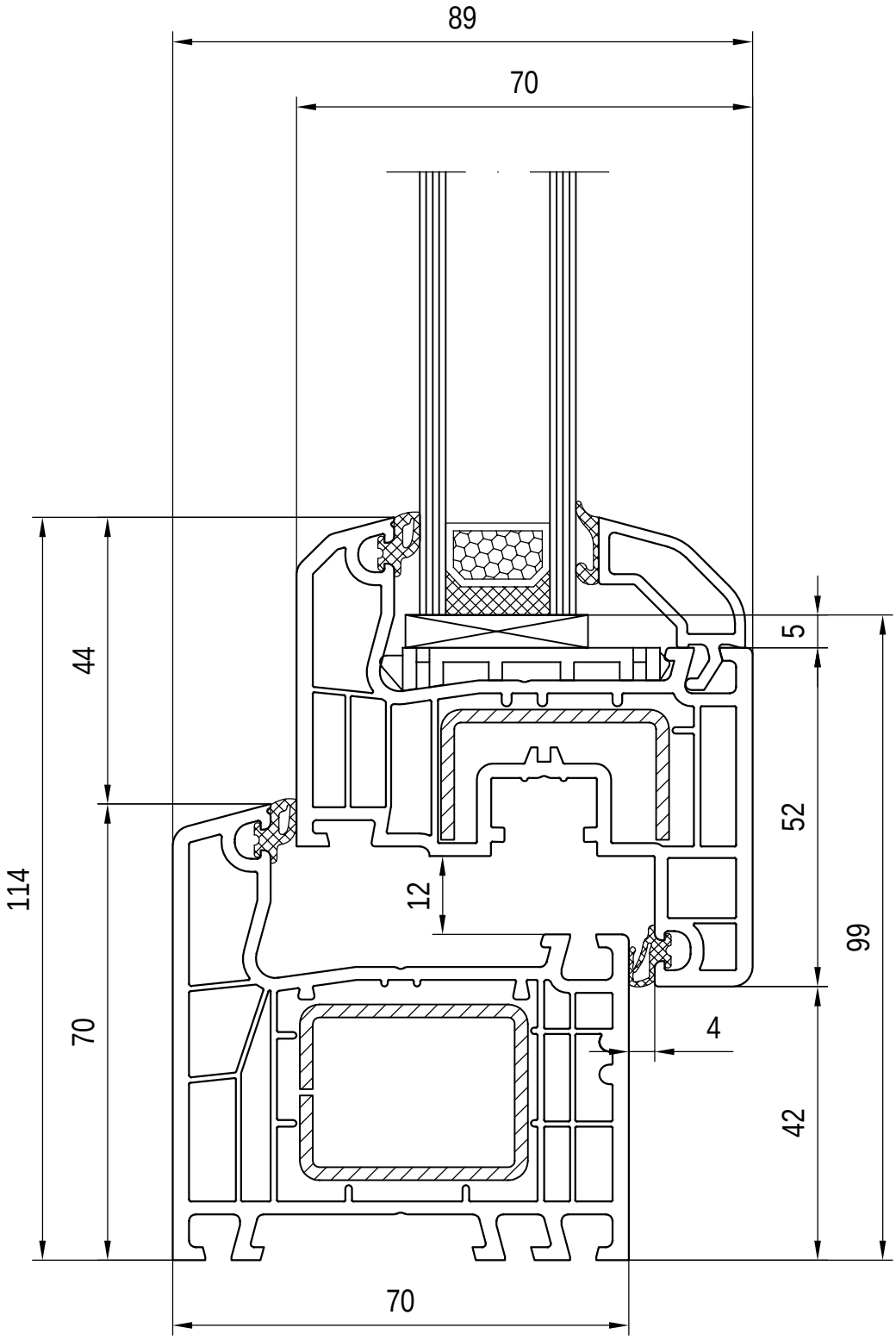
* Falzluft bei Haustüren links und rechts = 13mm

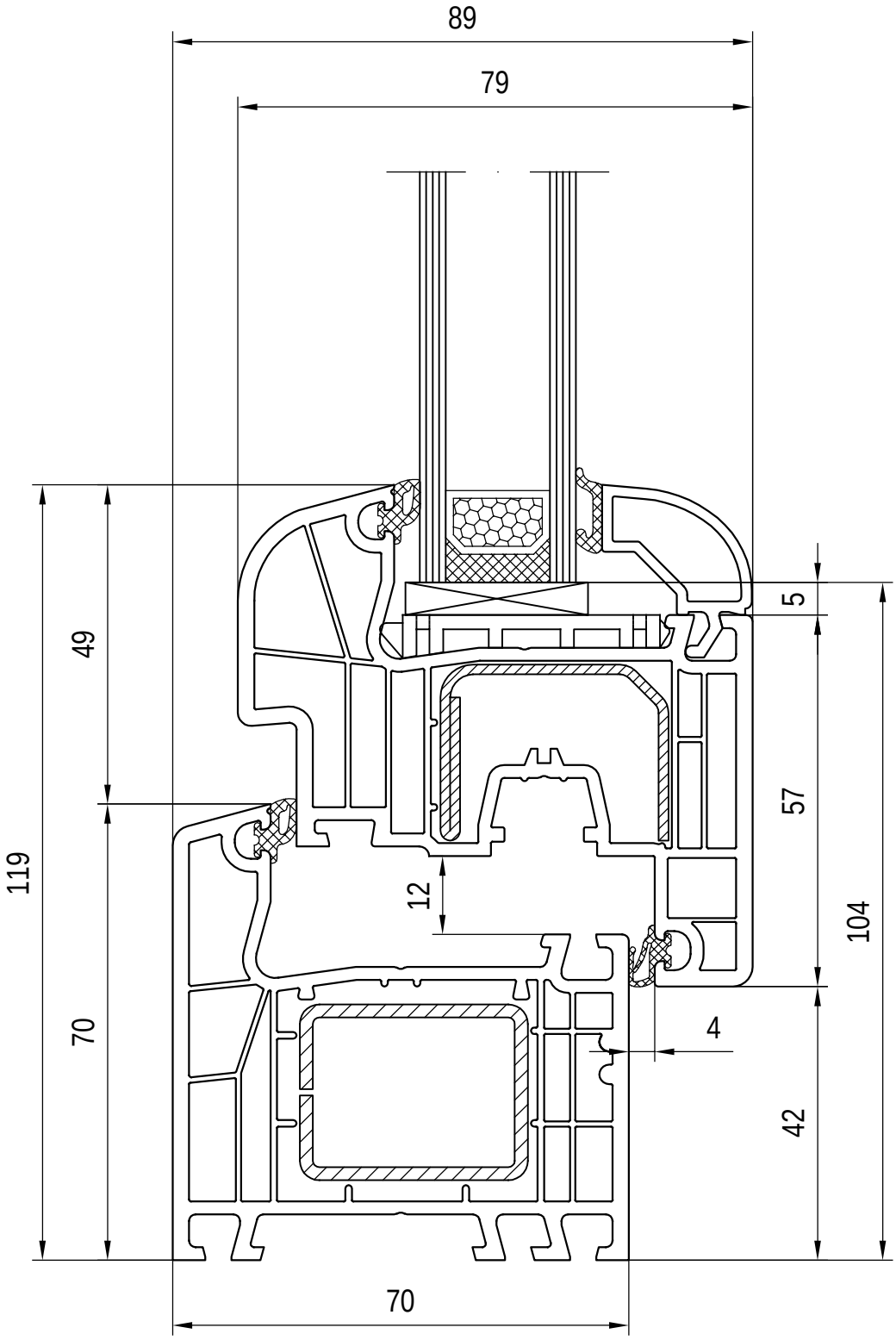

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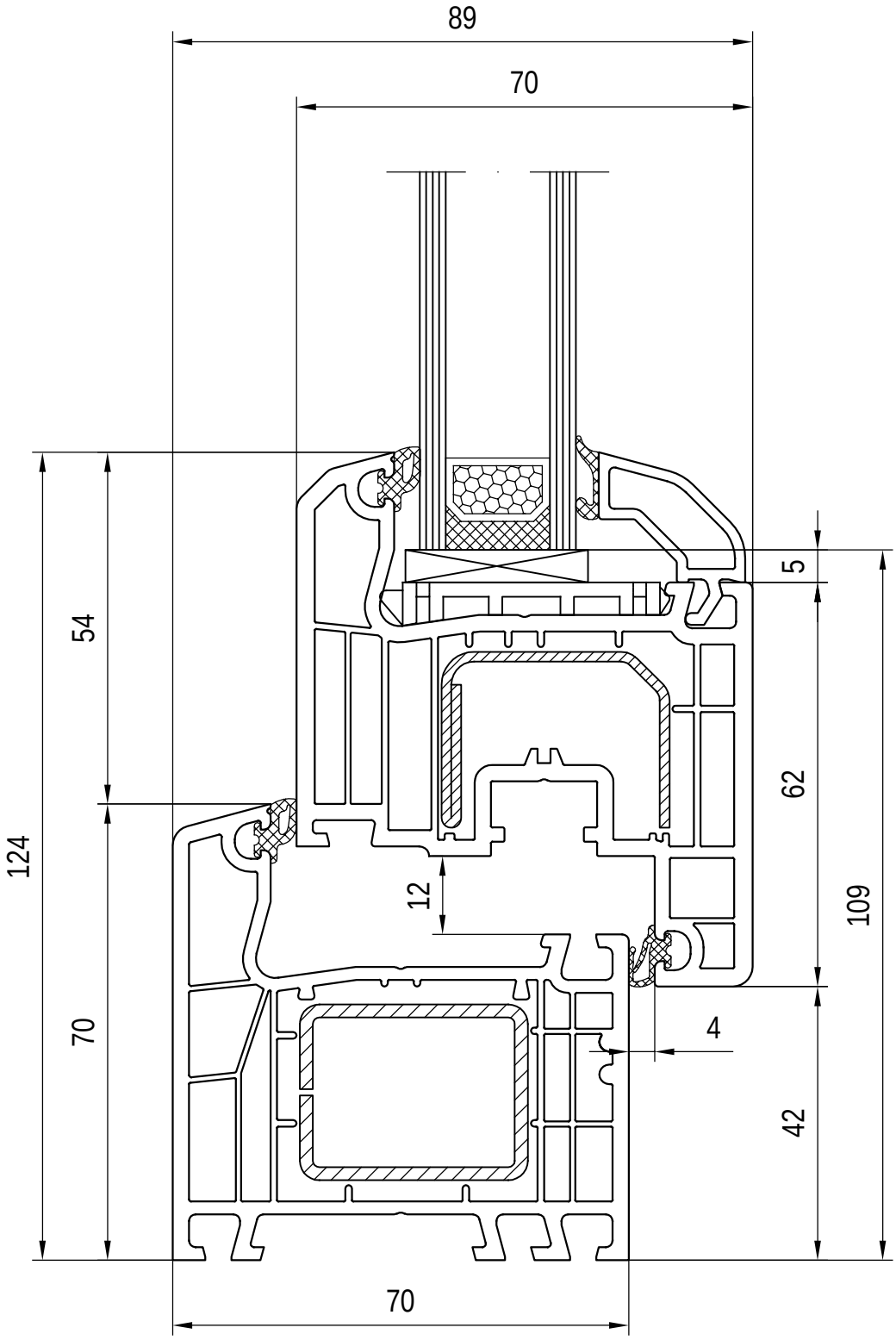

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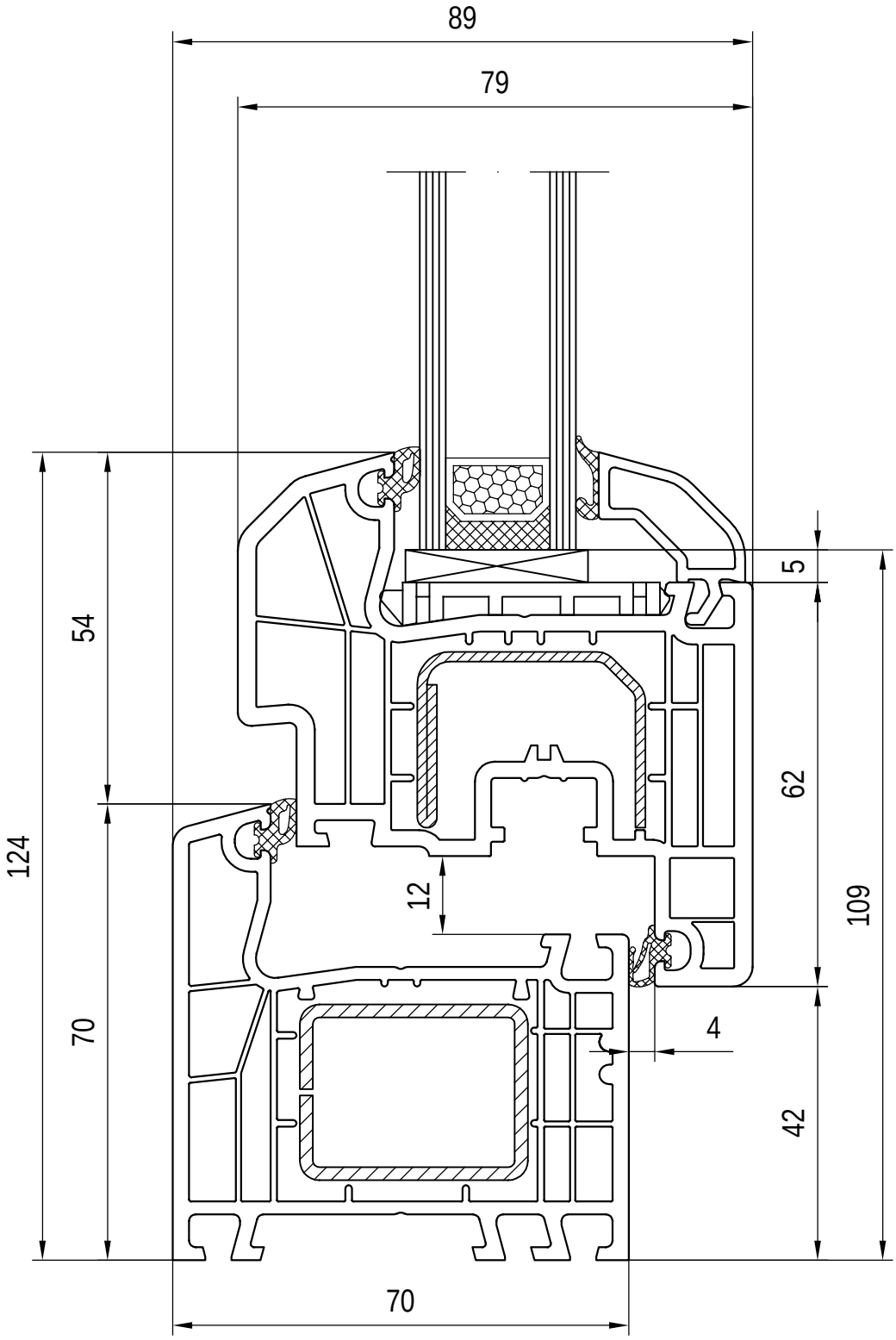

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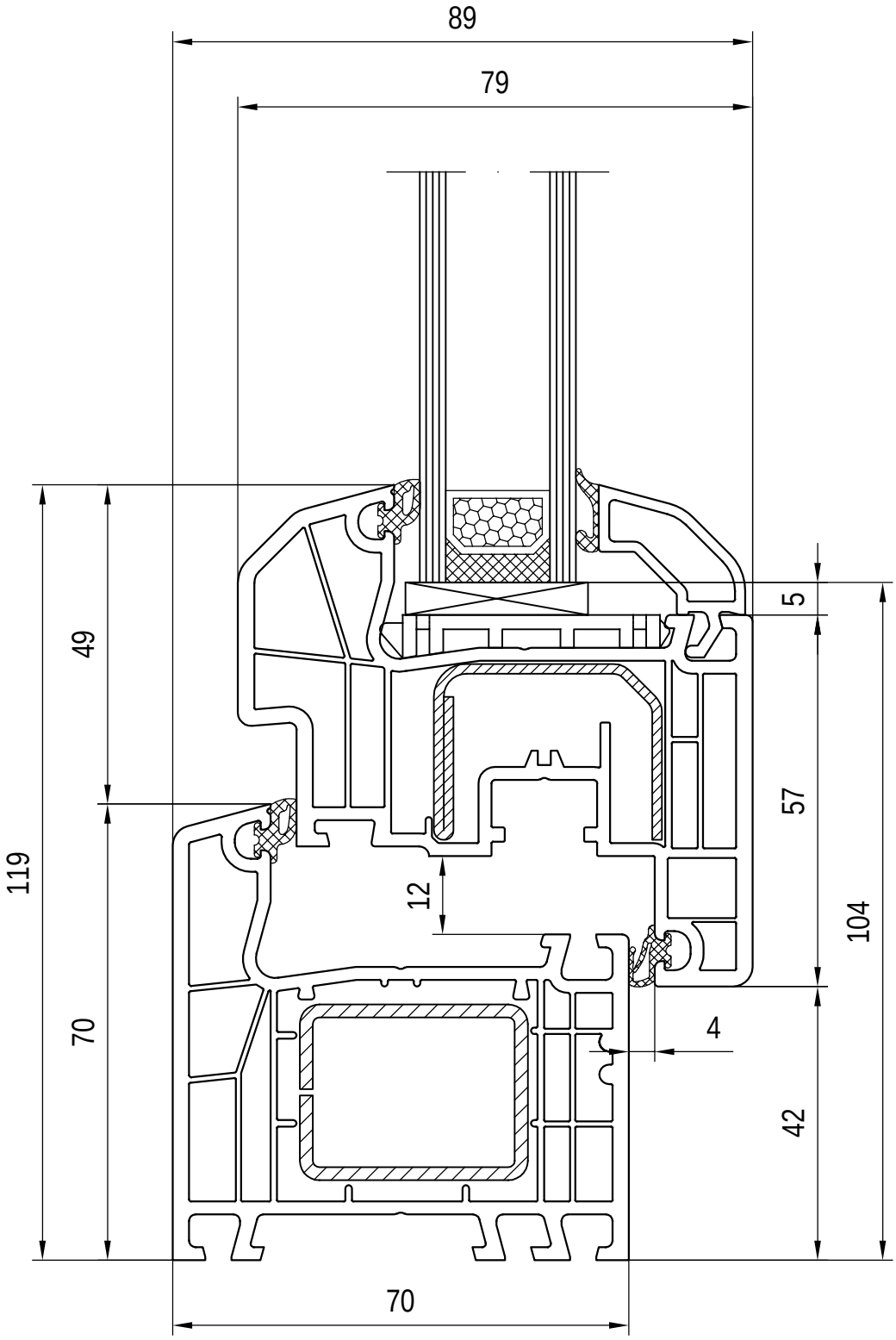

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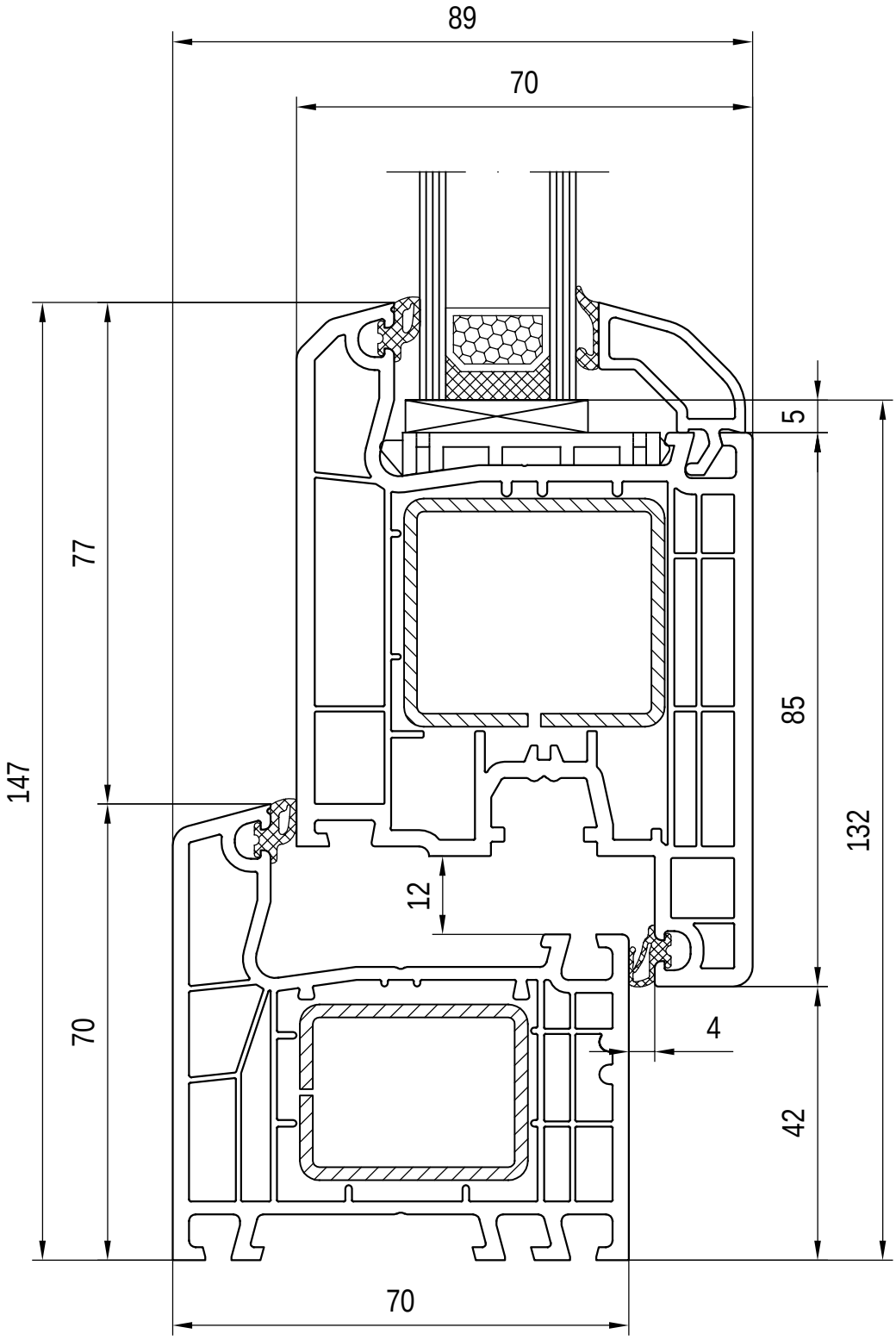

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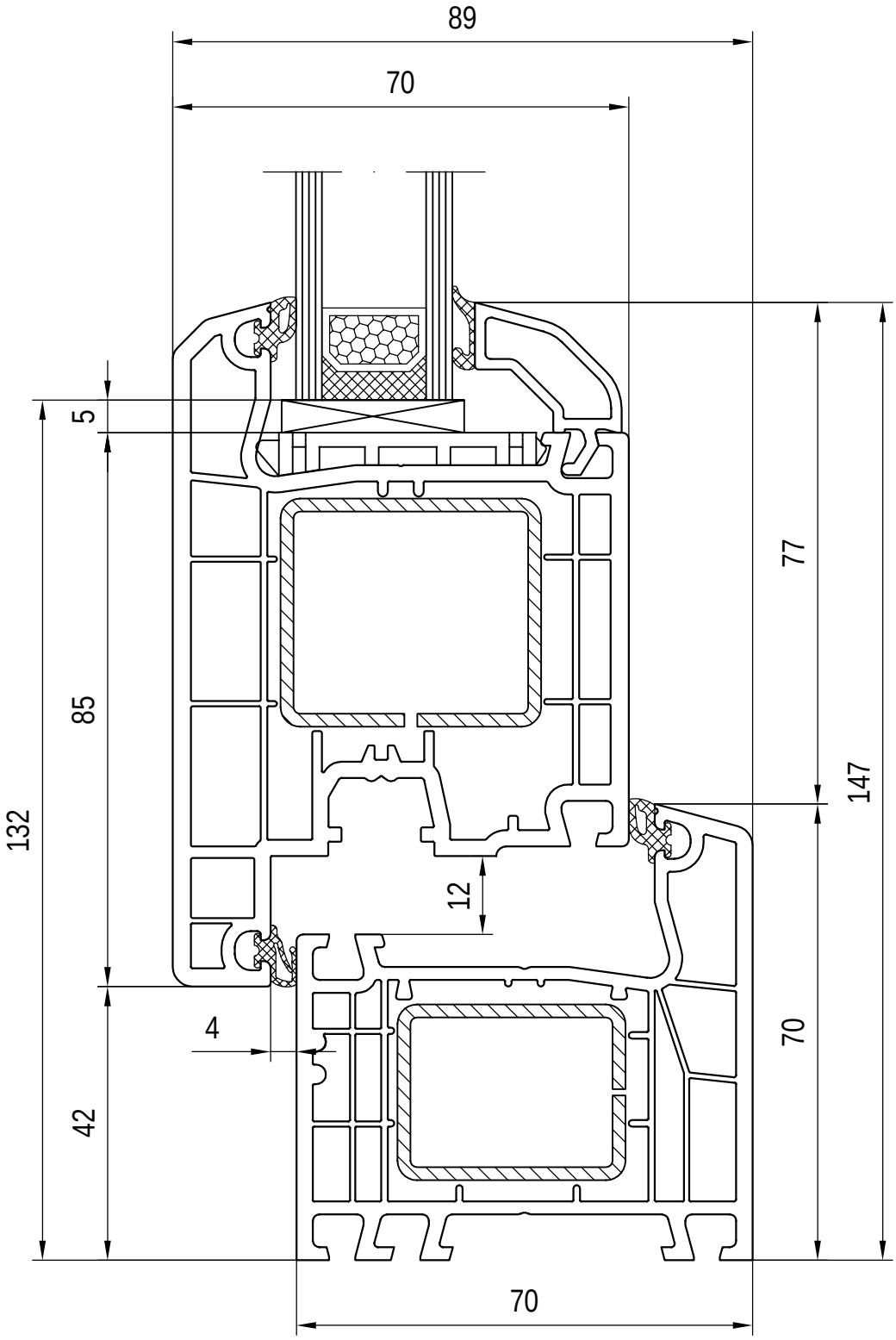

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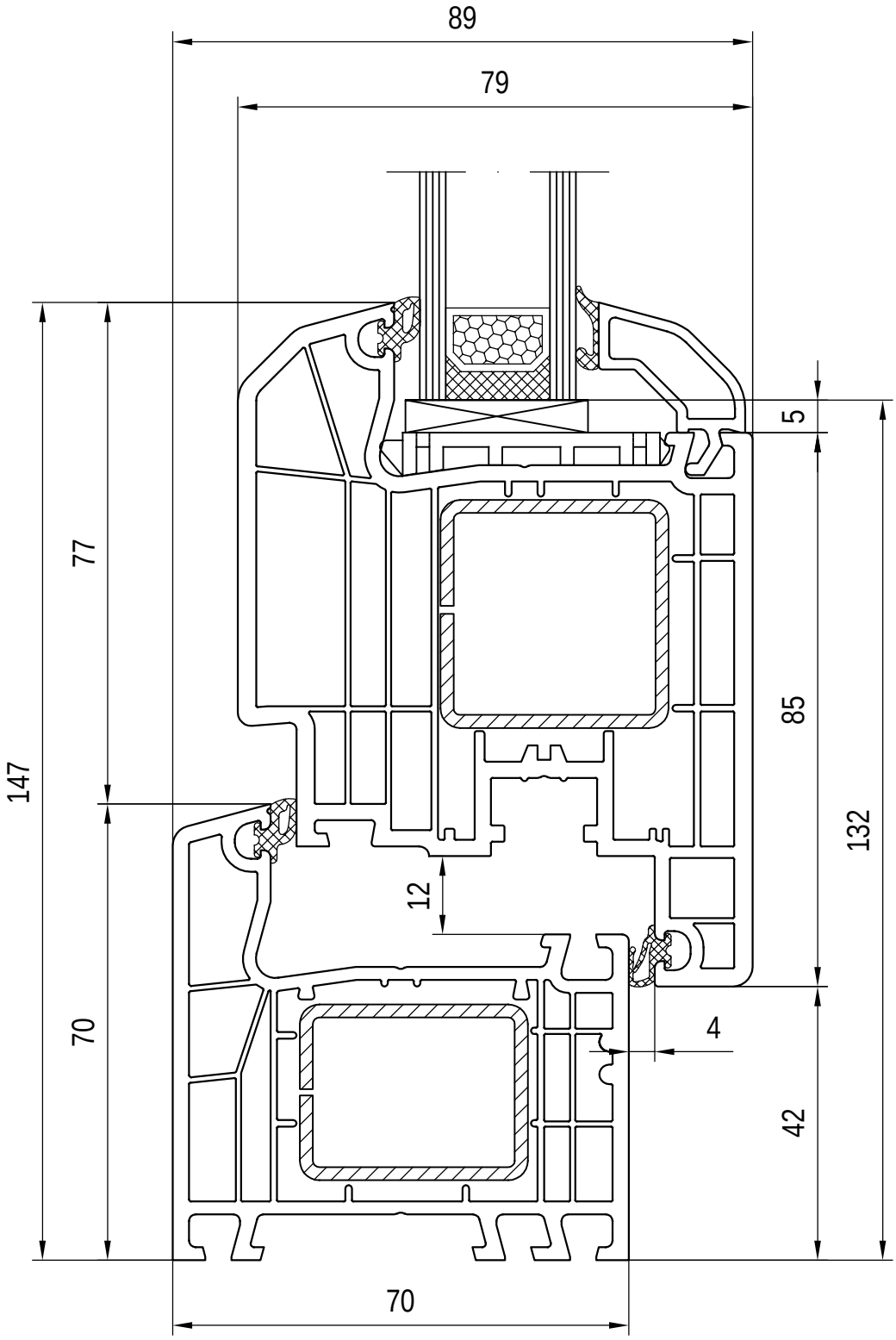

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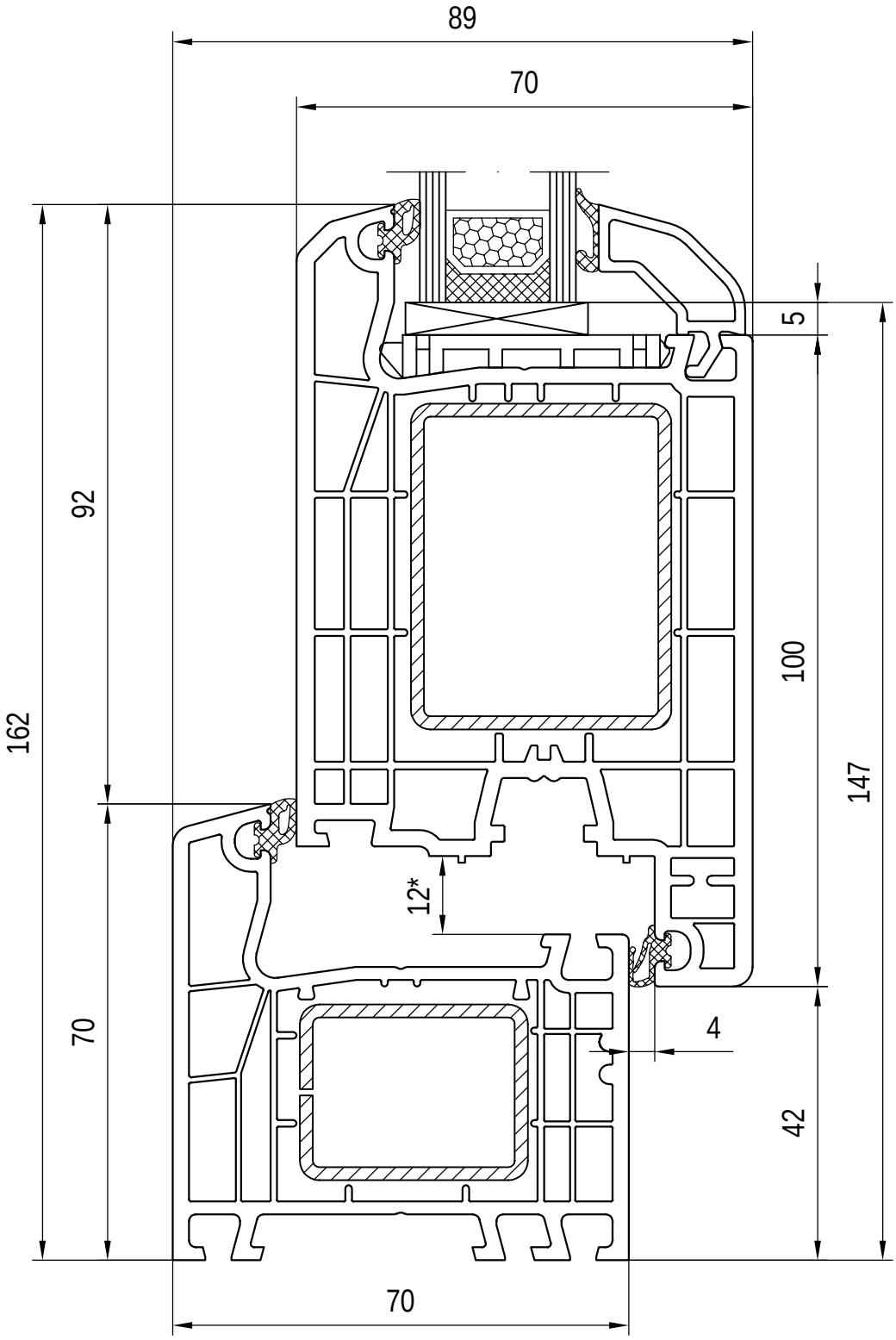

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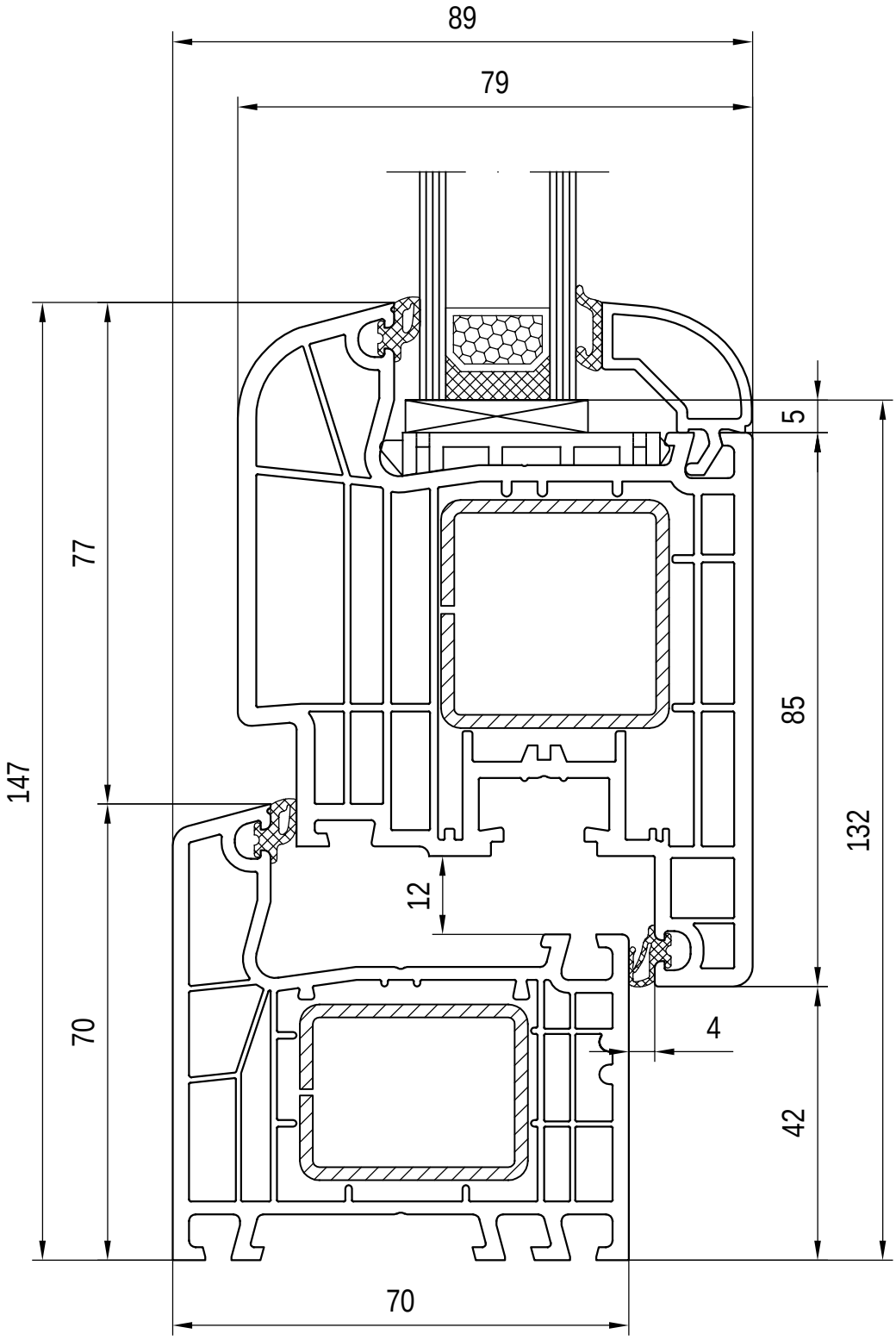

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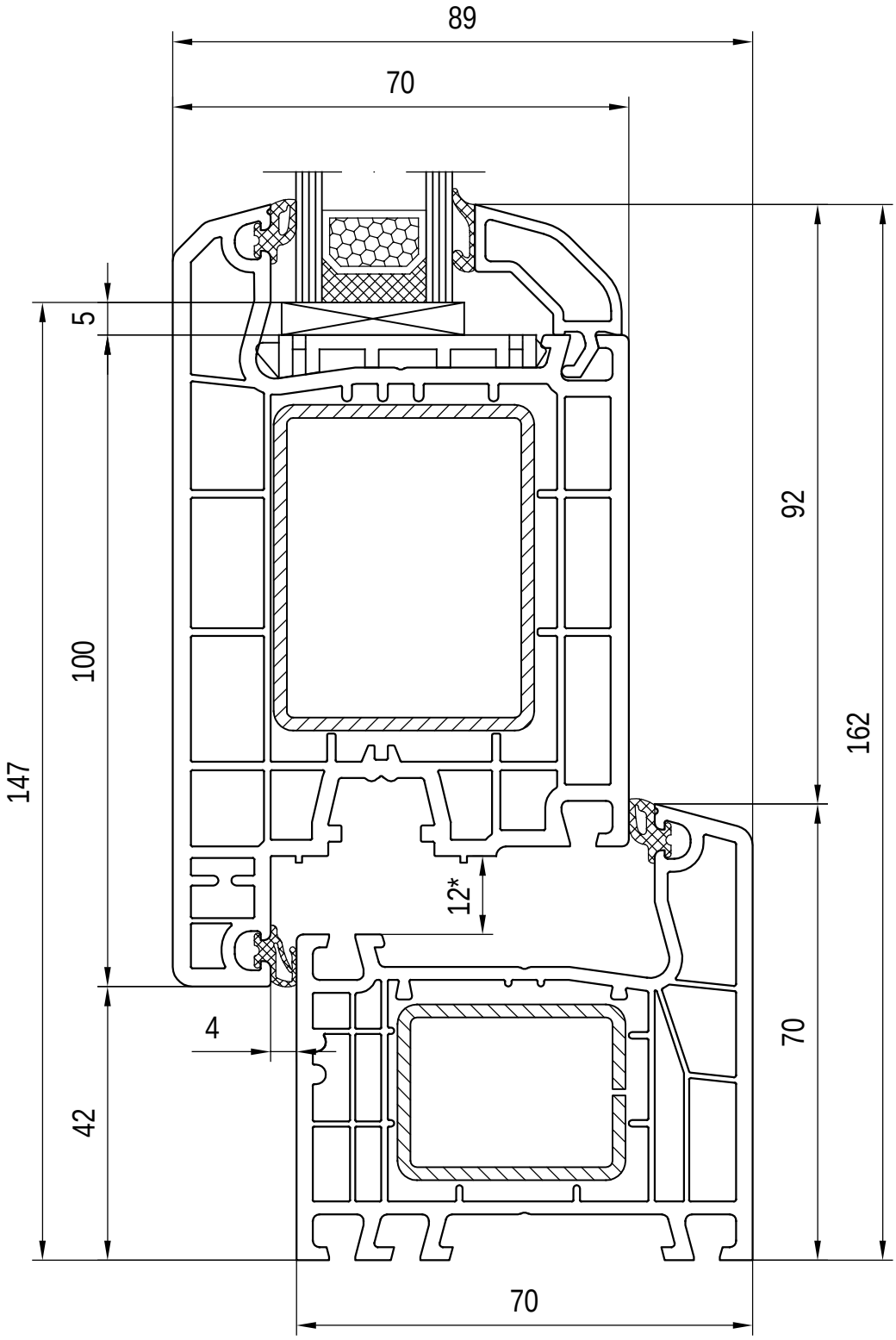

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* Falzluft bei Haustüren links und rechts = 13mm


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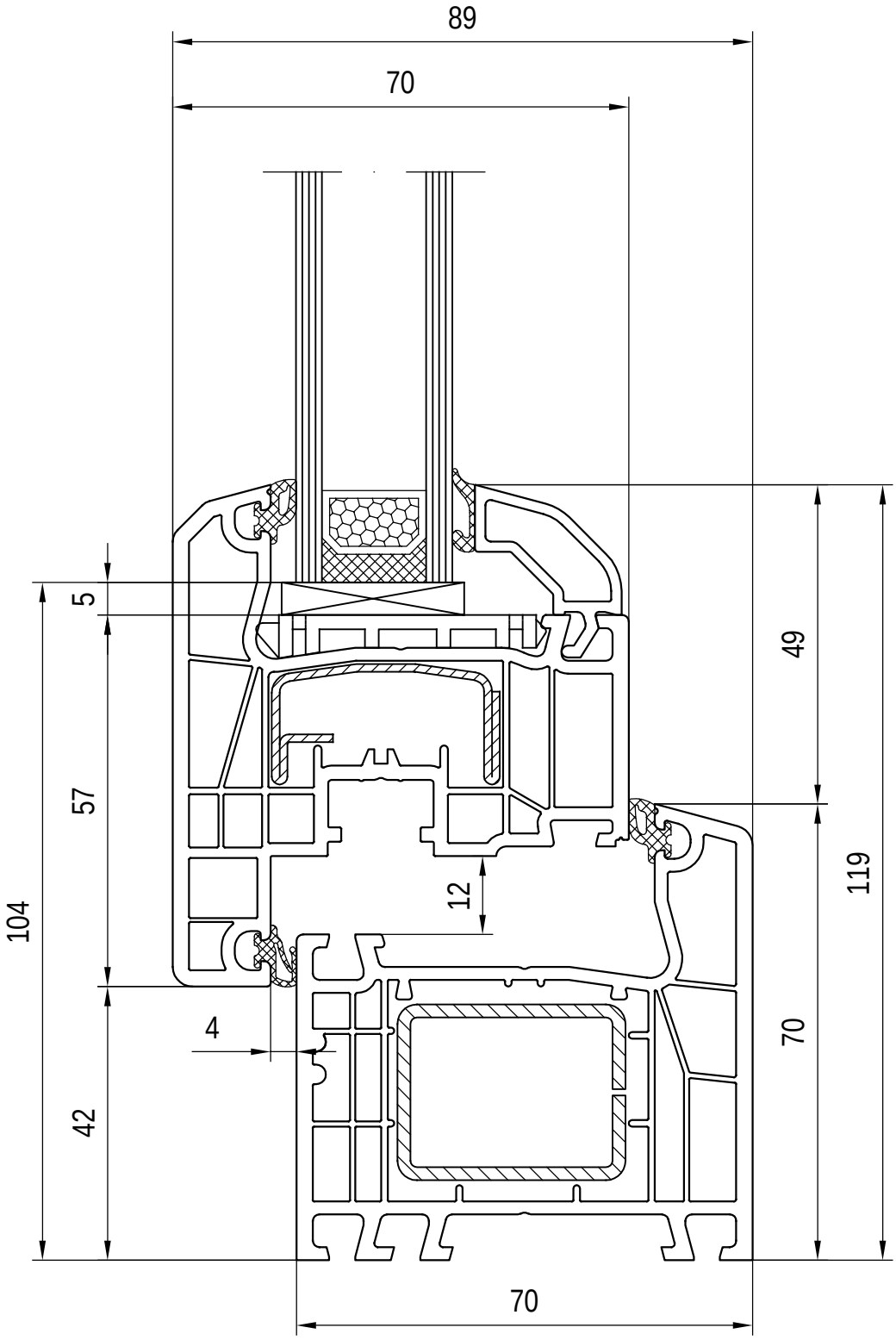


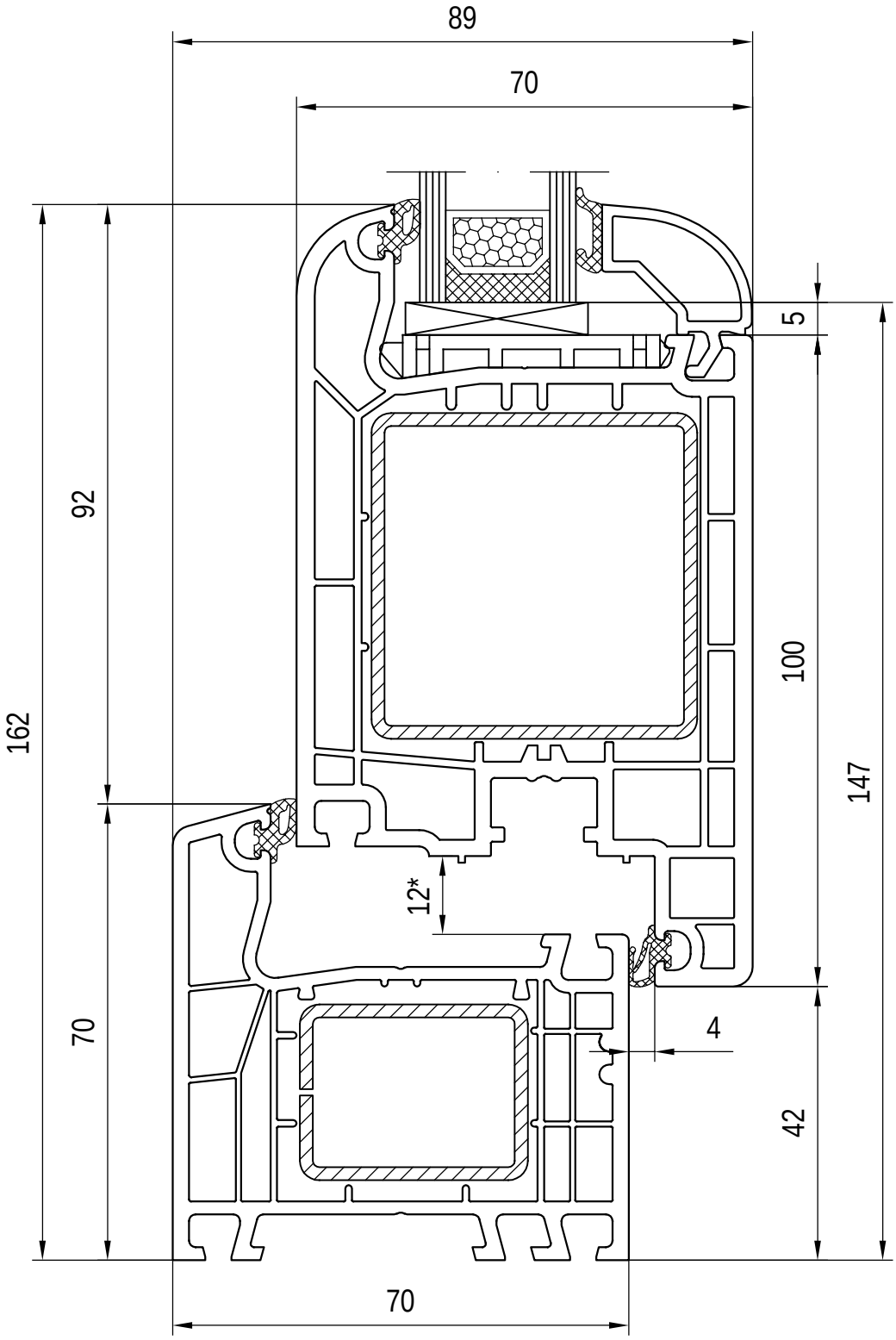
* Falzluft bei Haustüren links und rechts = 13mm

Kombinationen: Rahmen - Flügel

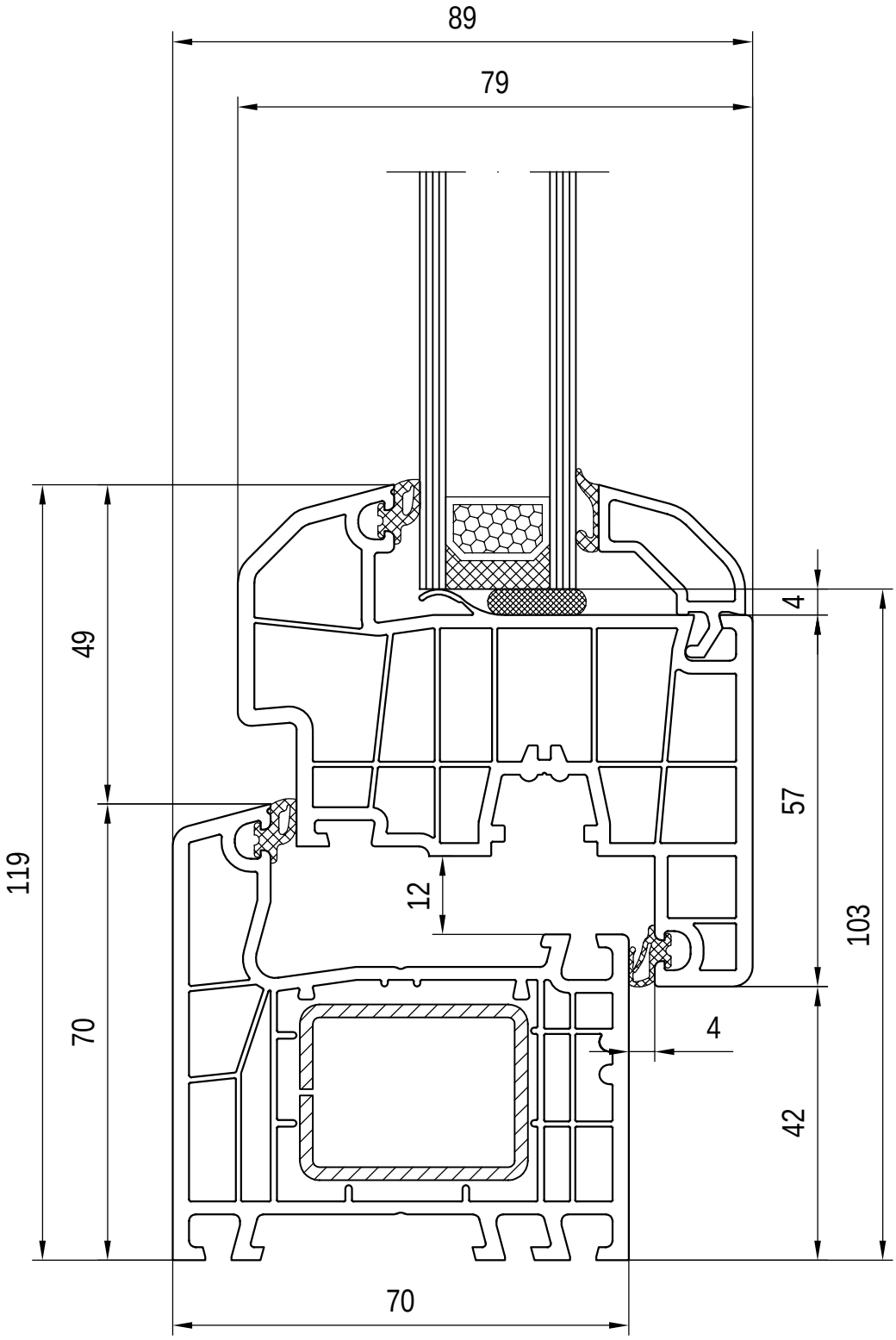
Glasleiste 120846/120876

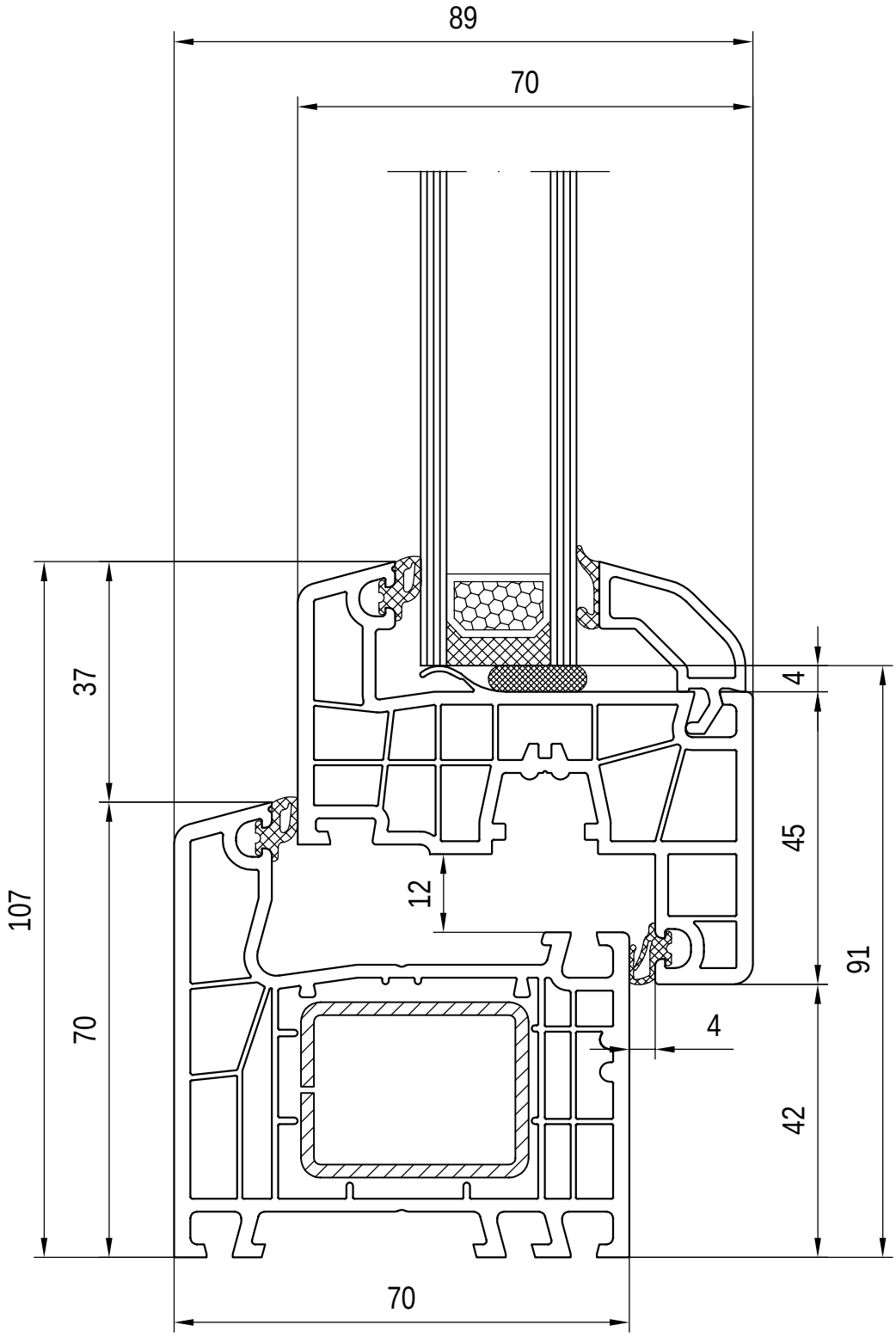
Rahmen 140x07
Flügel 140x35

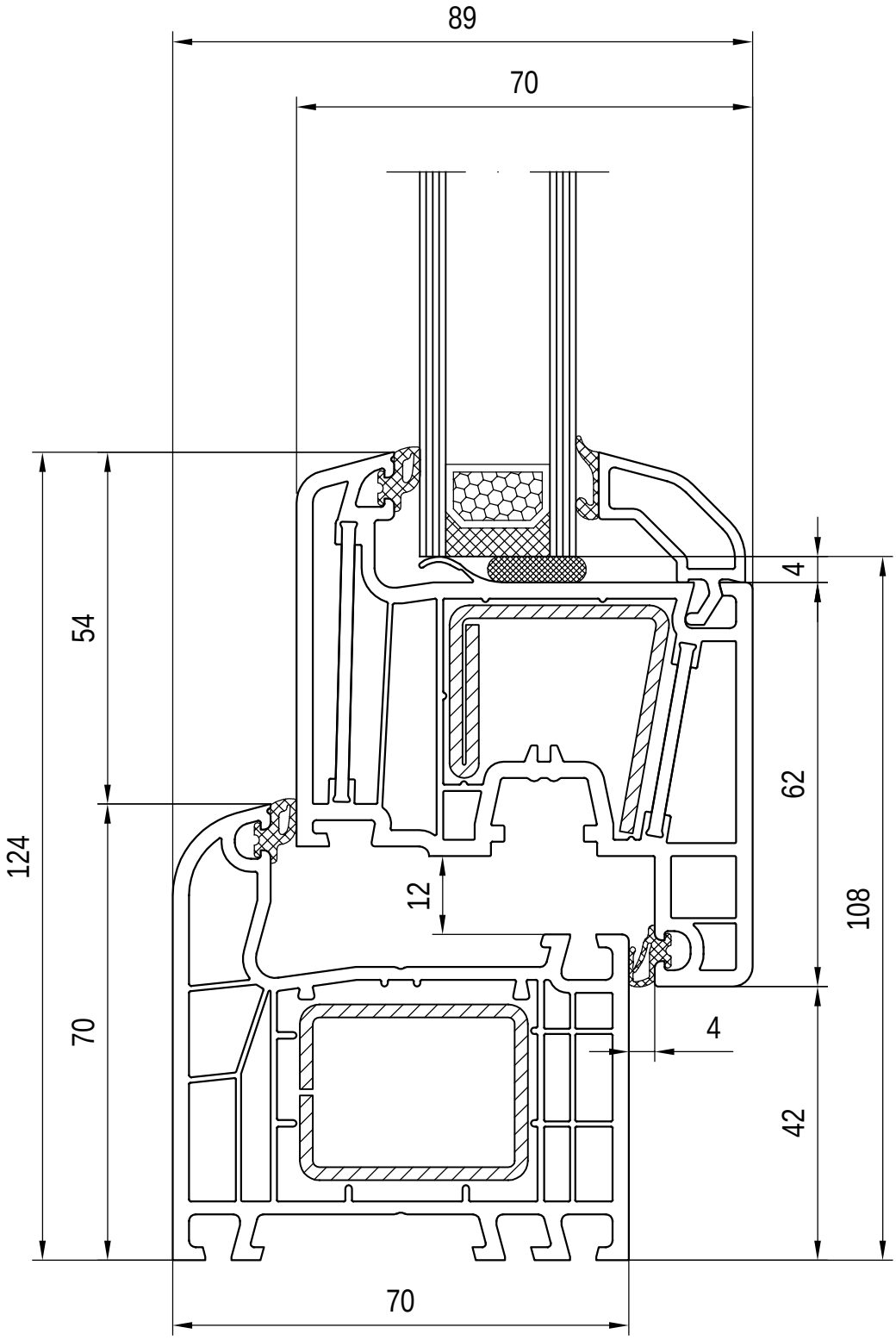

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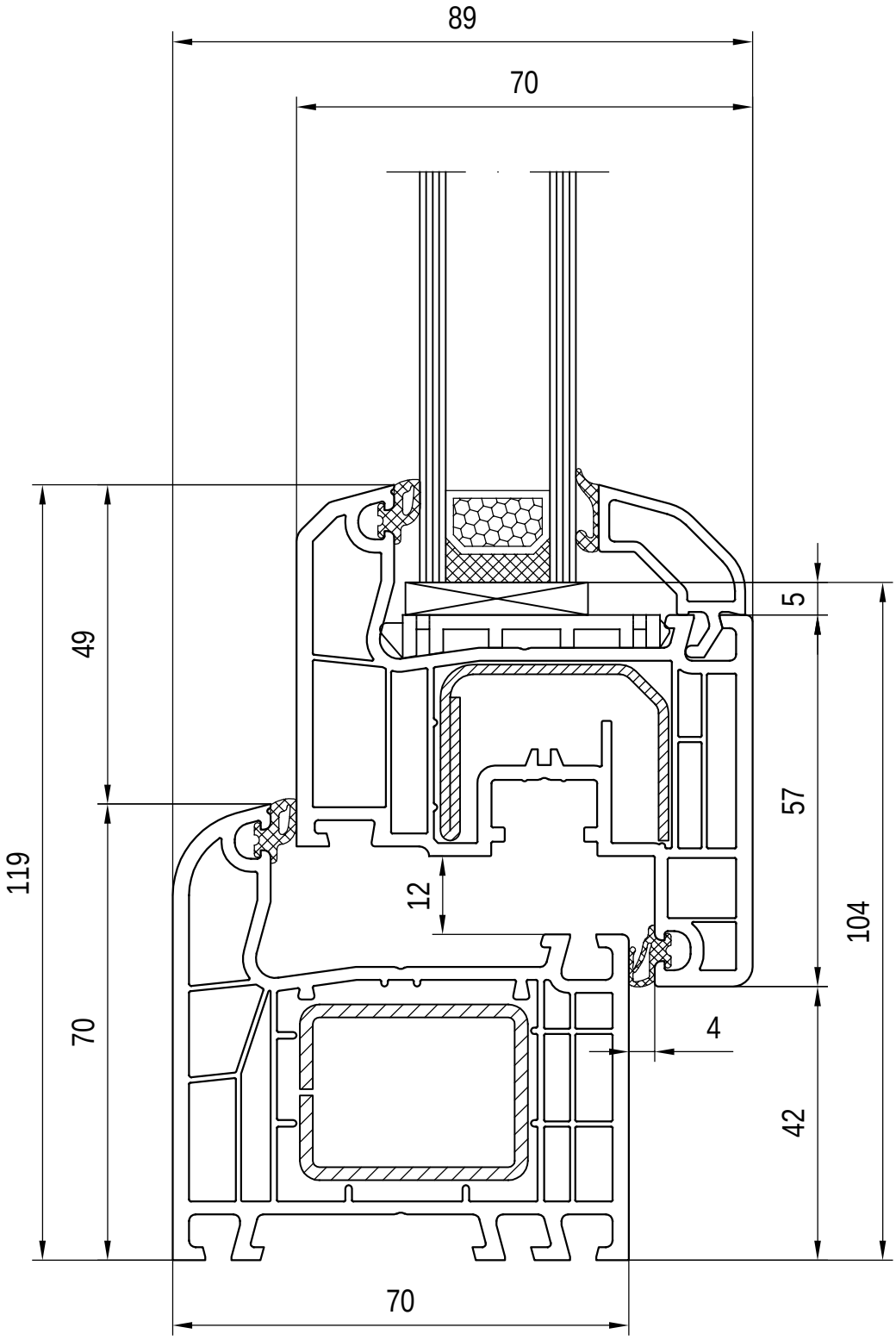


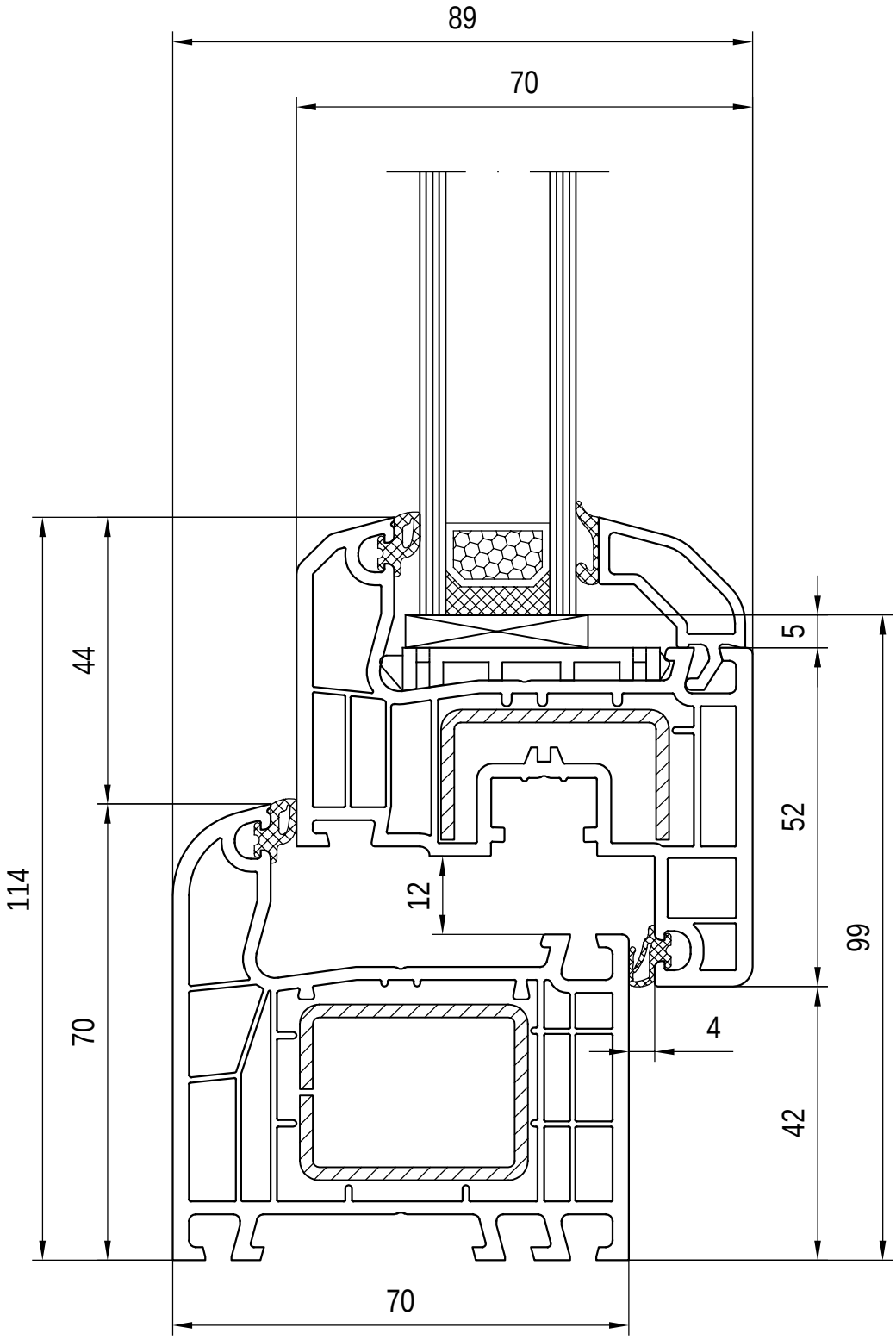
* Falzluft bei Haustüren links und rechts = 13mm

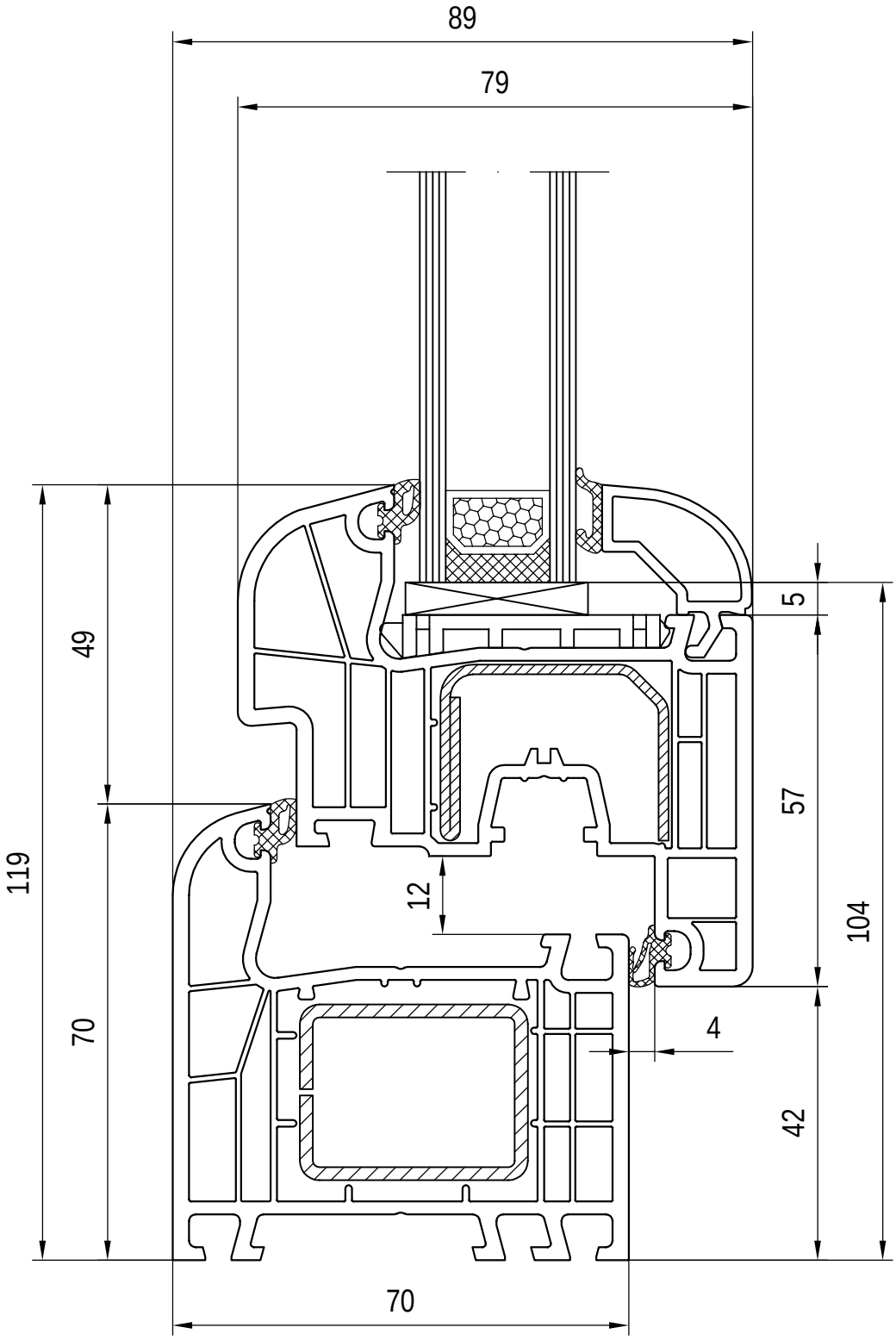

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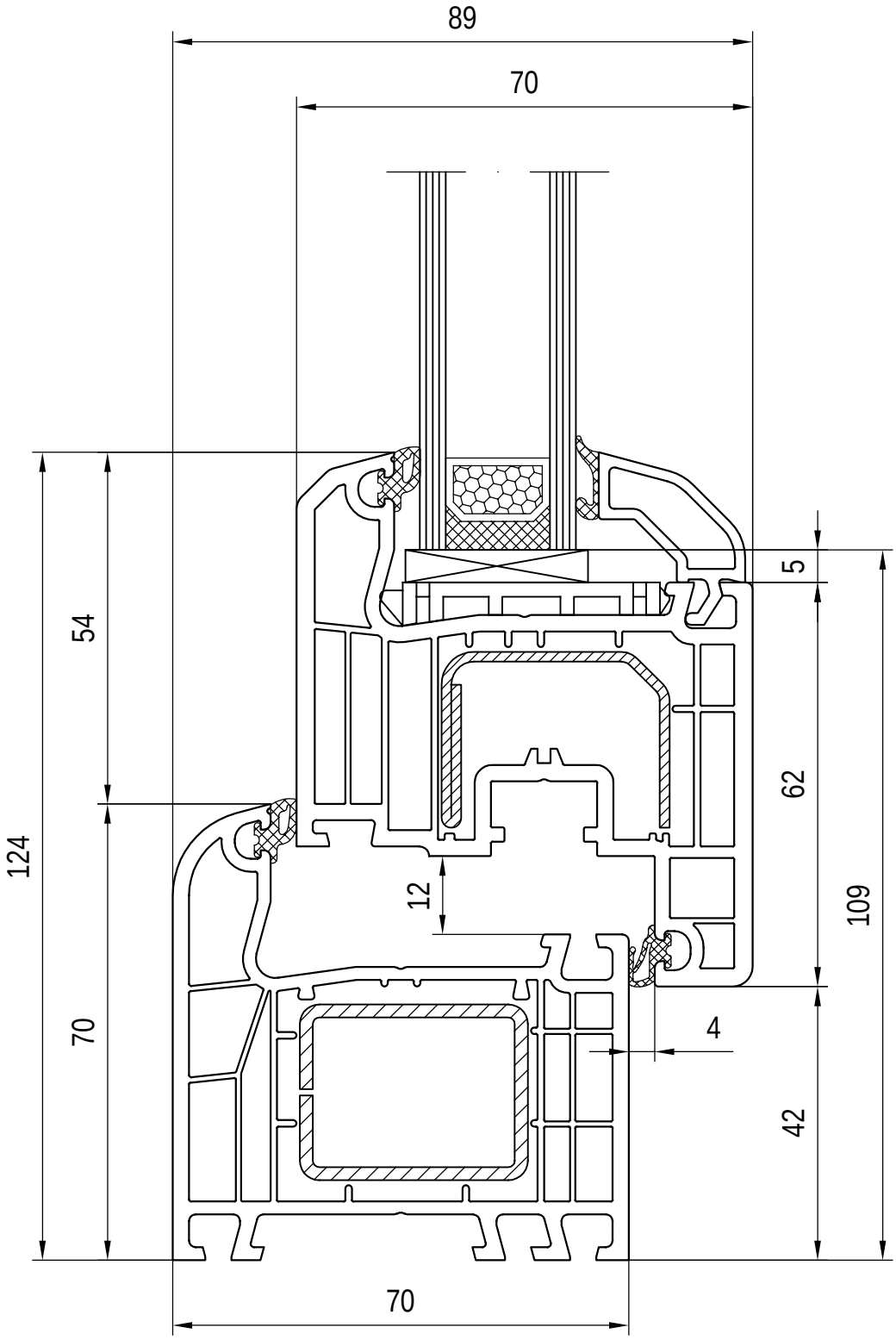

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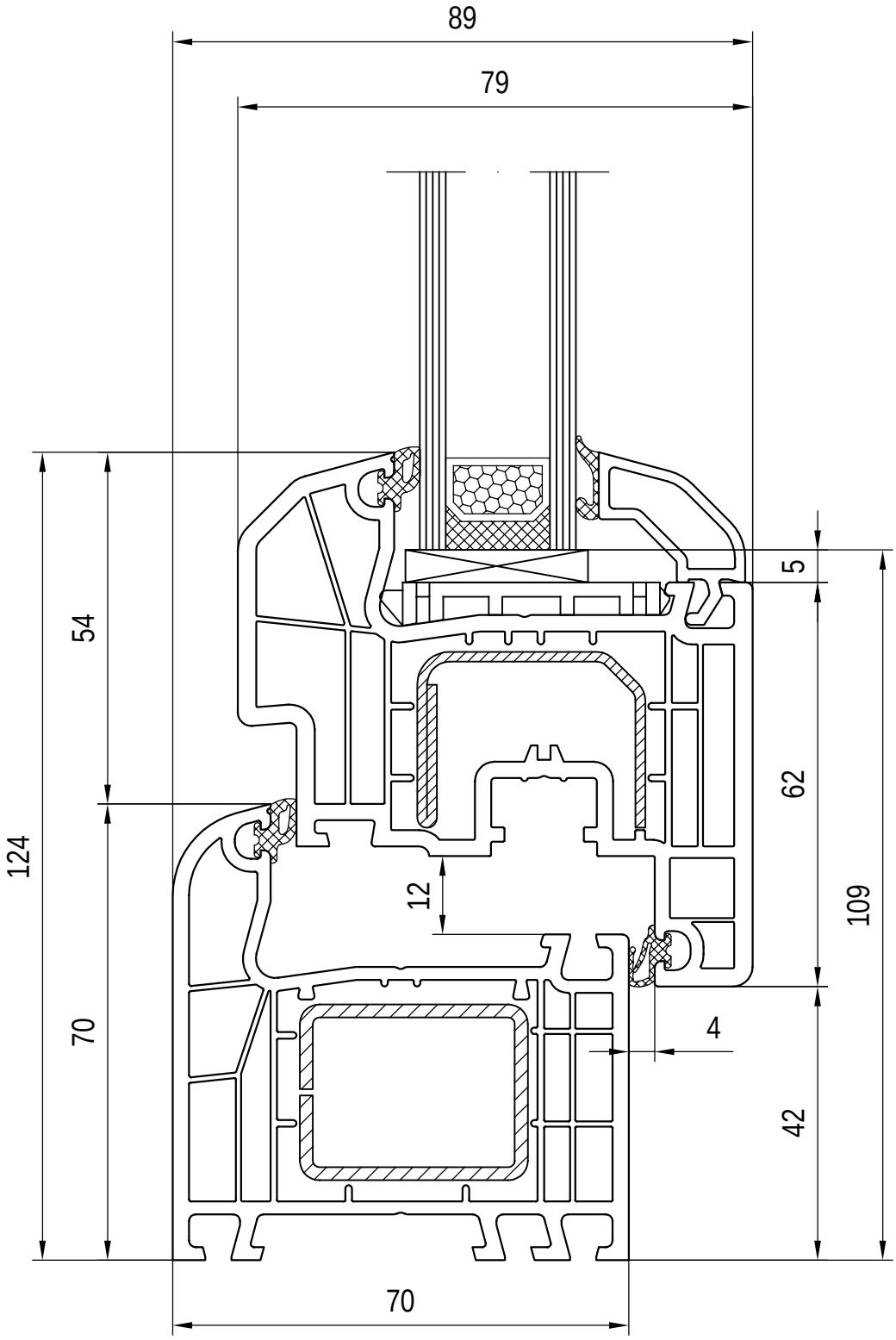

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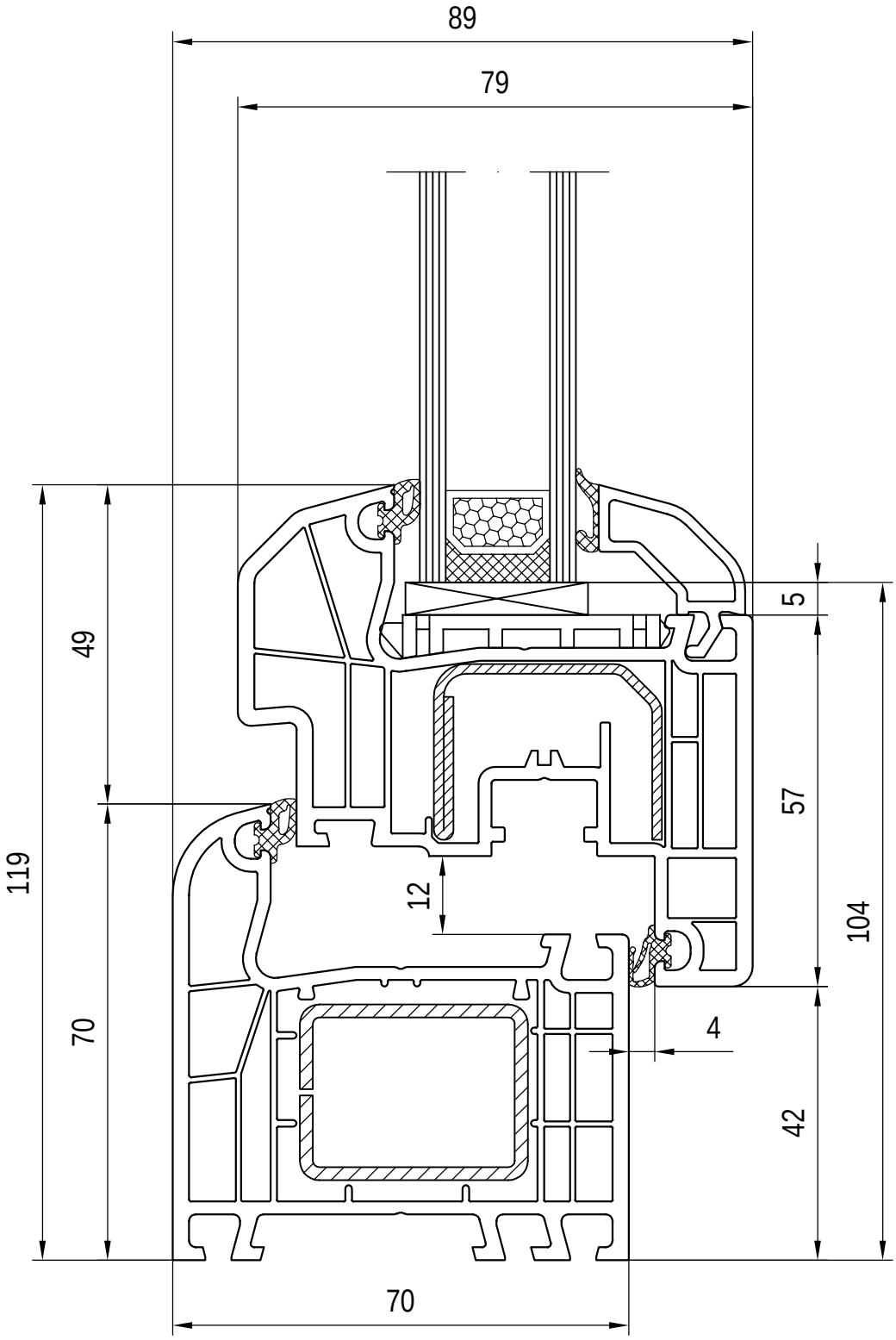

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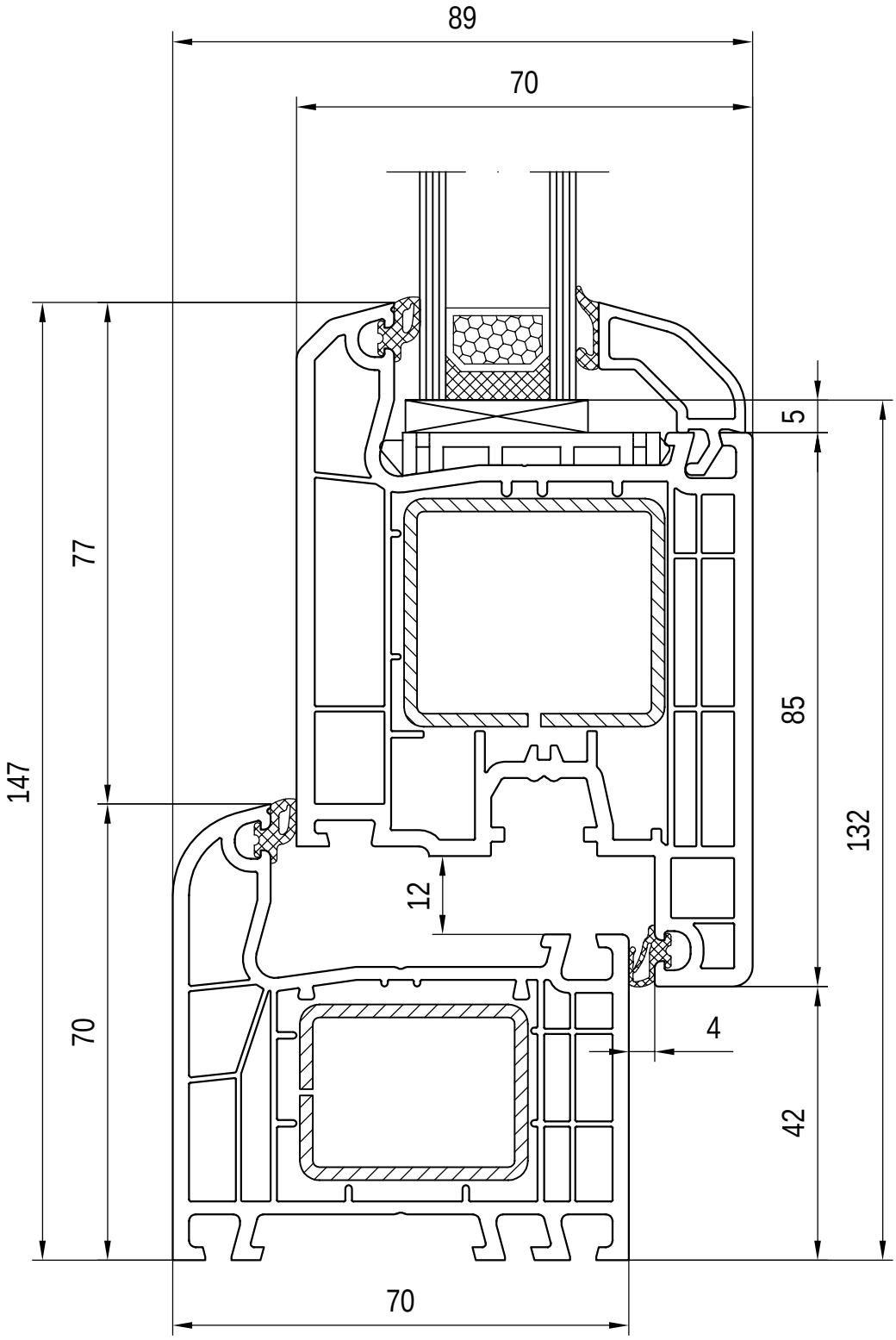

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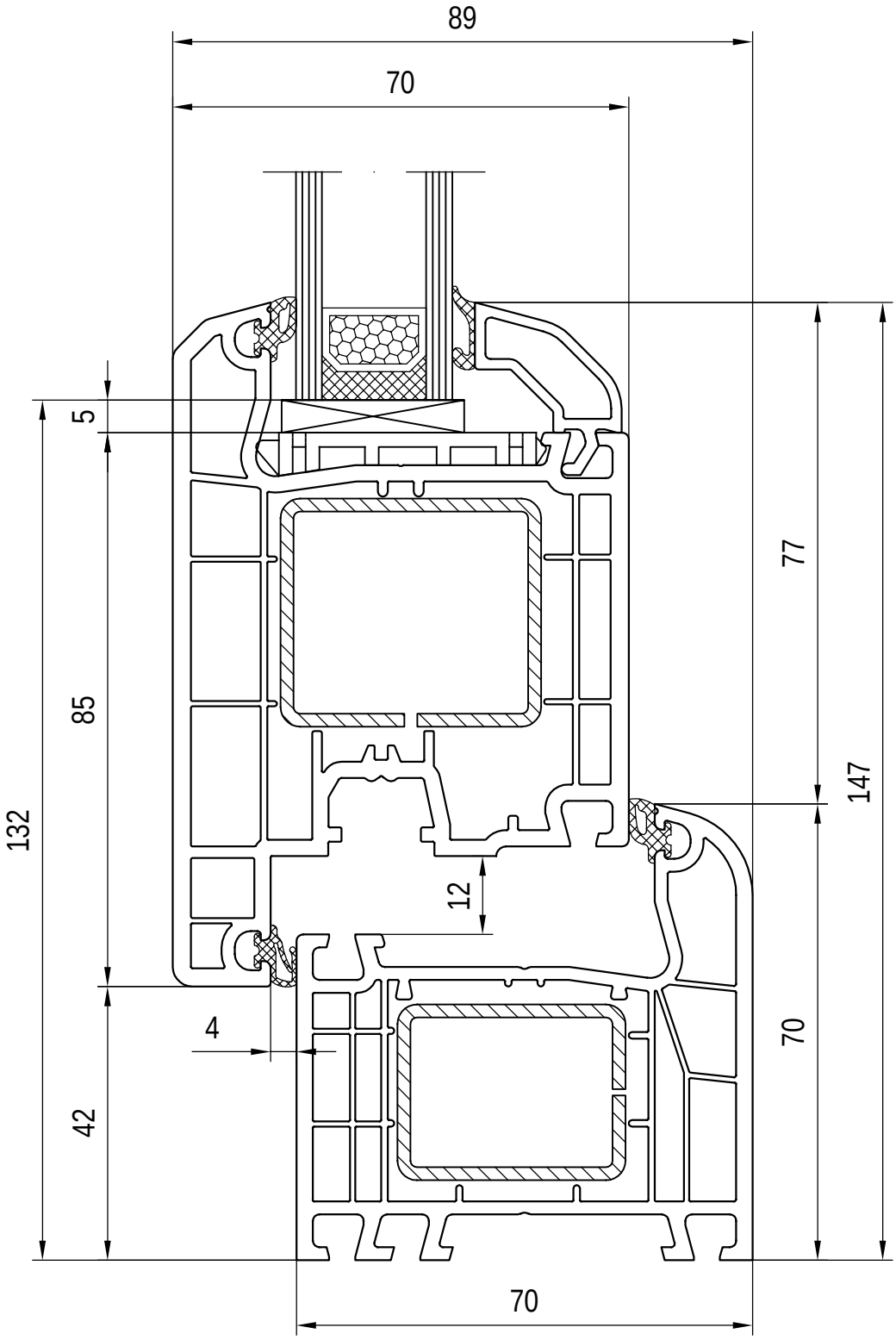

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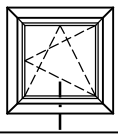

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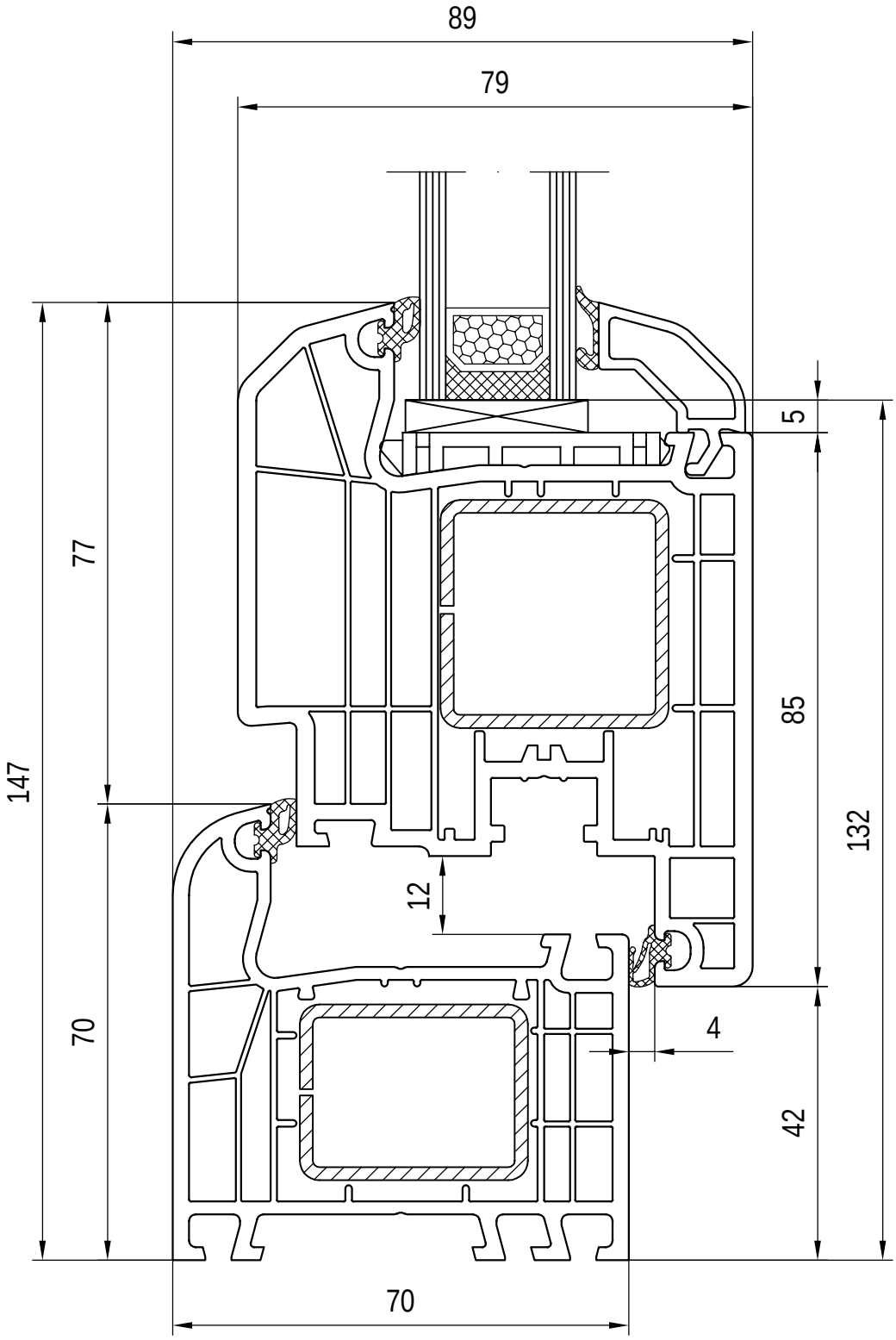

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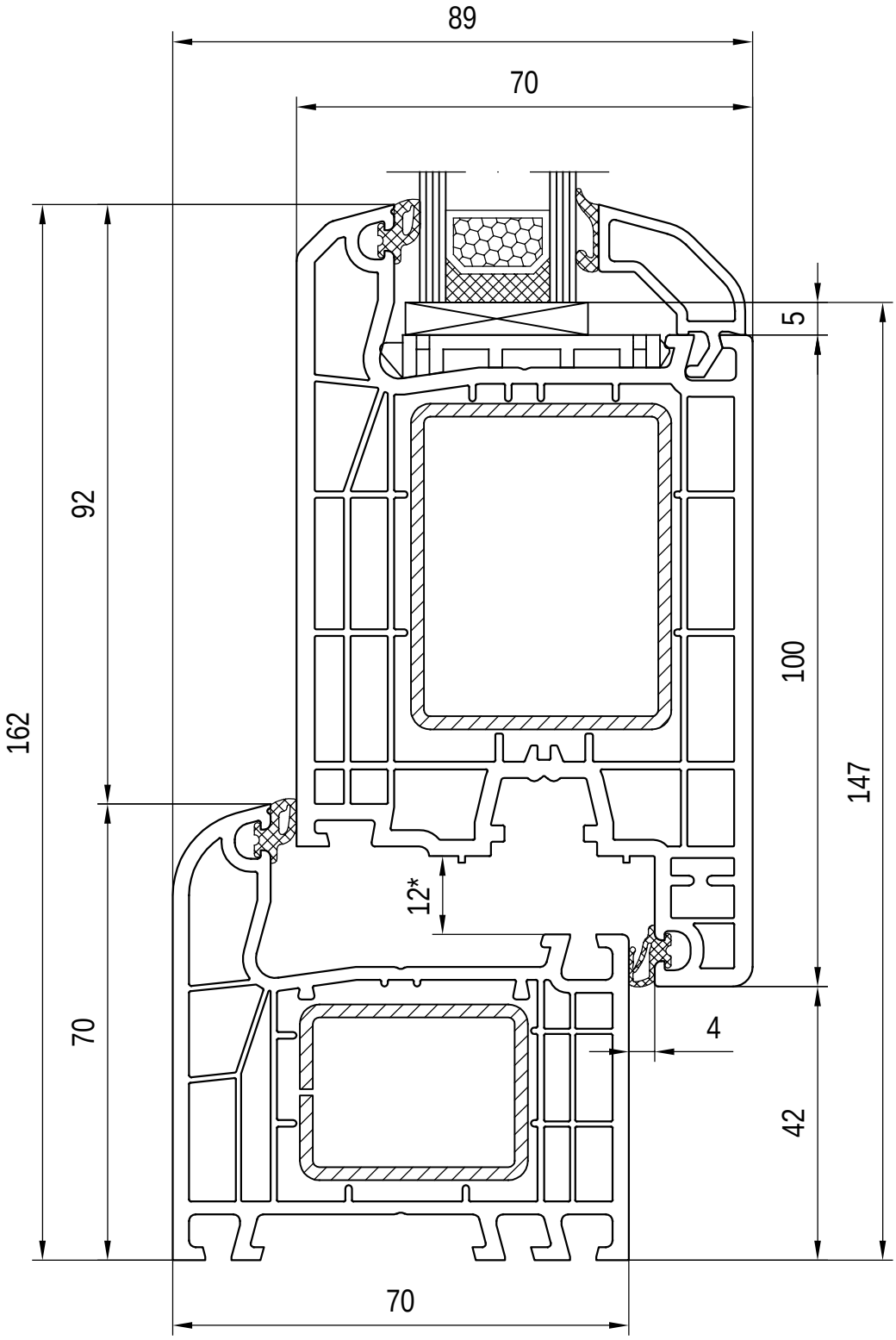

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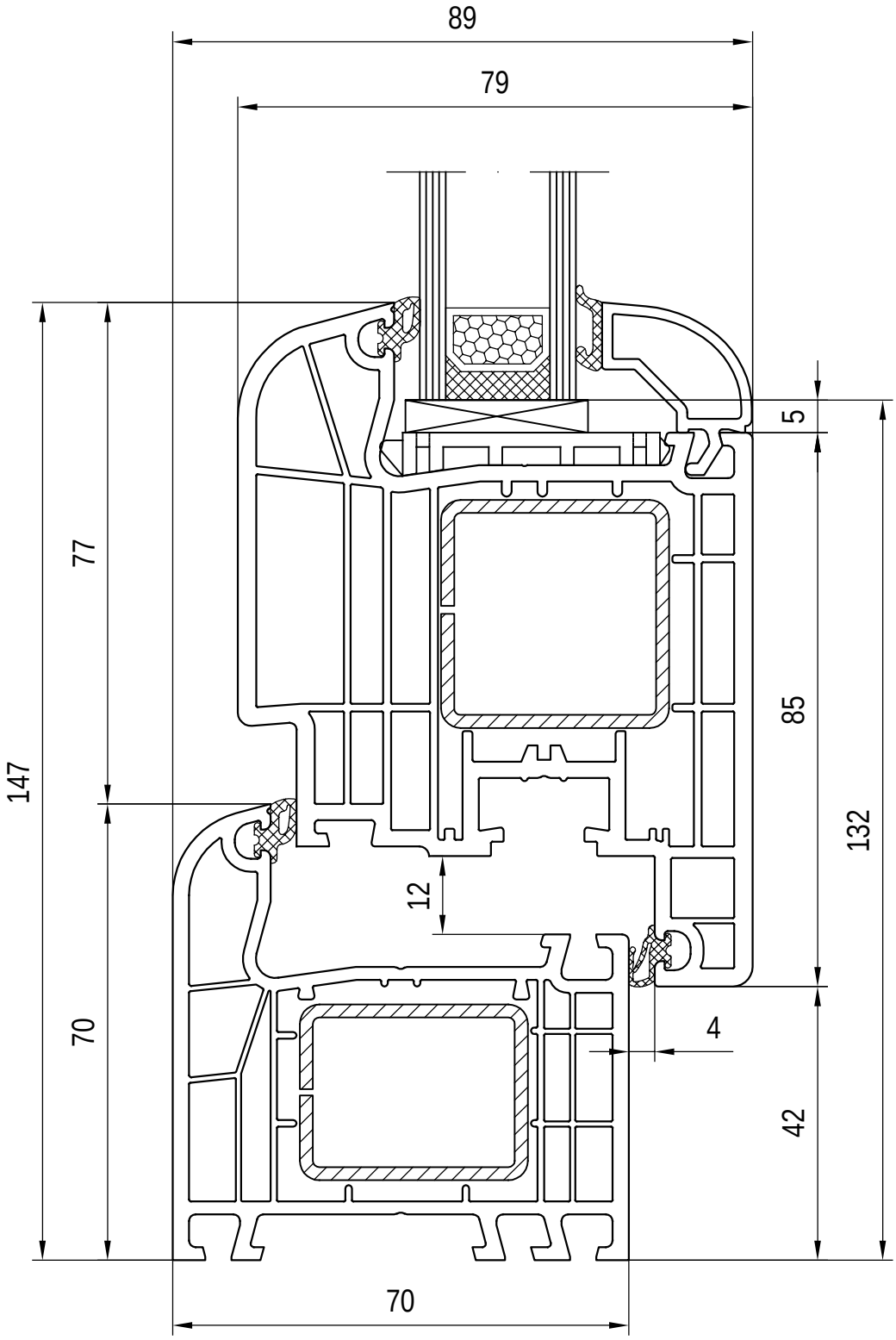


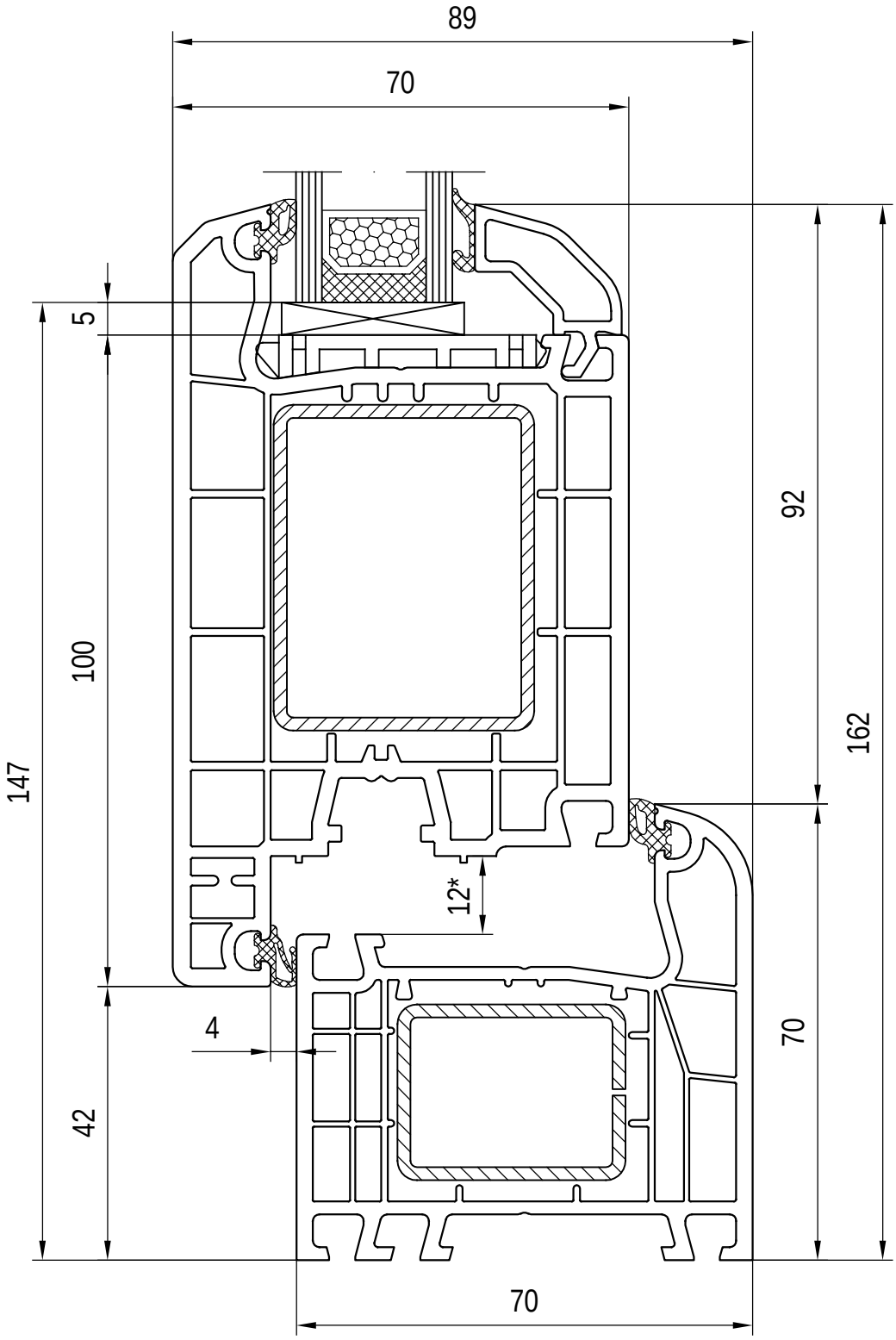
* Falzluft bei Haustüren links und rechts = 13mm

Kombinationen: Rahmen - Flügel

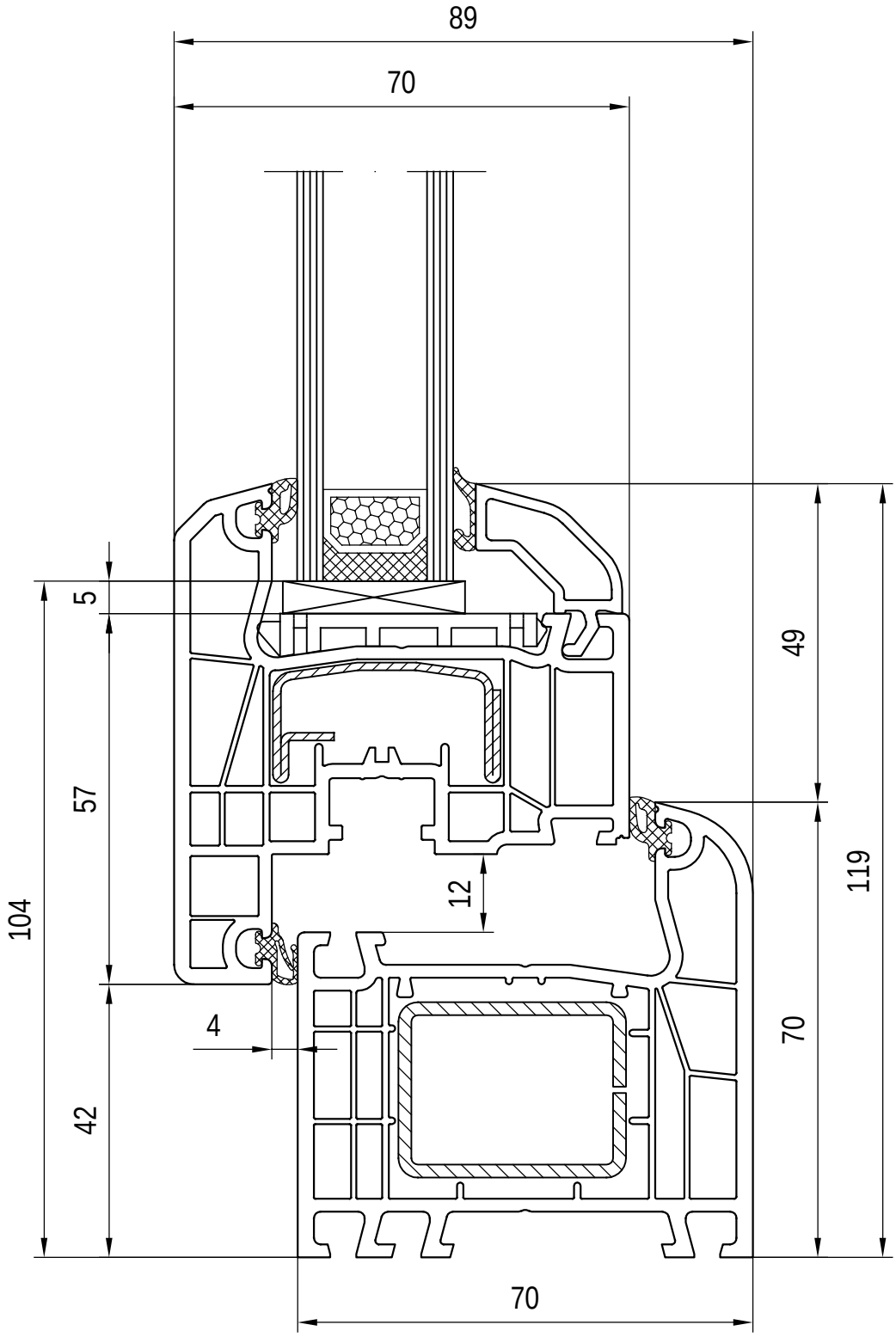
Glasleiste 120846/120876

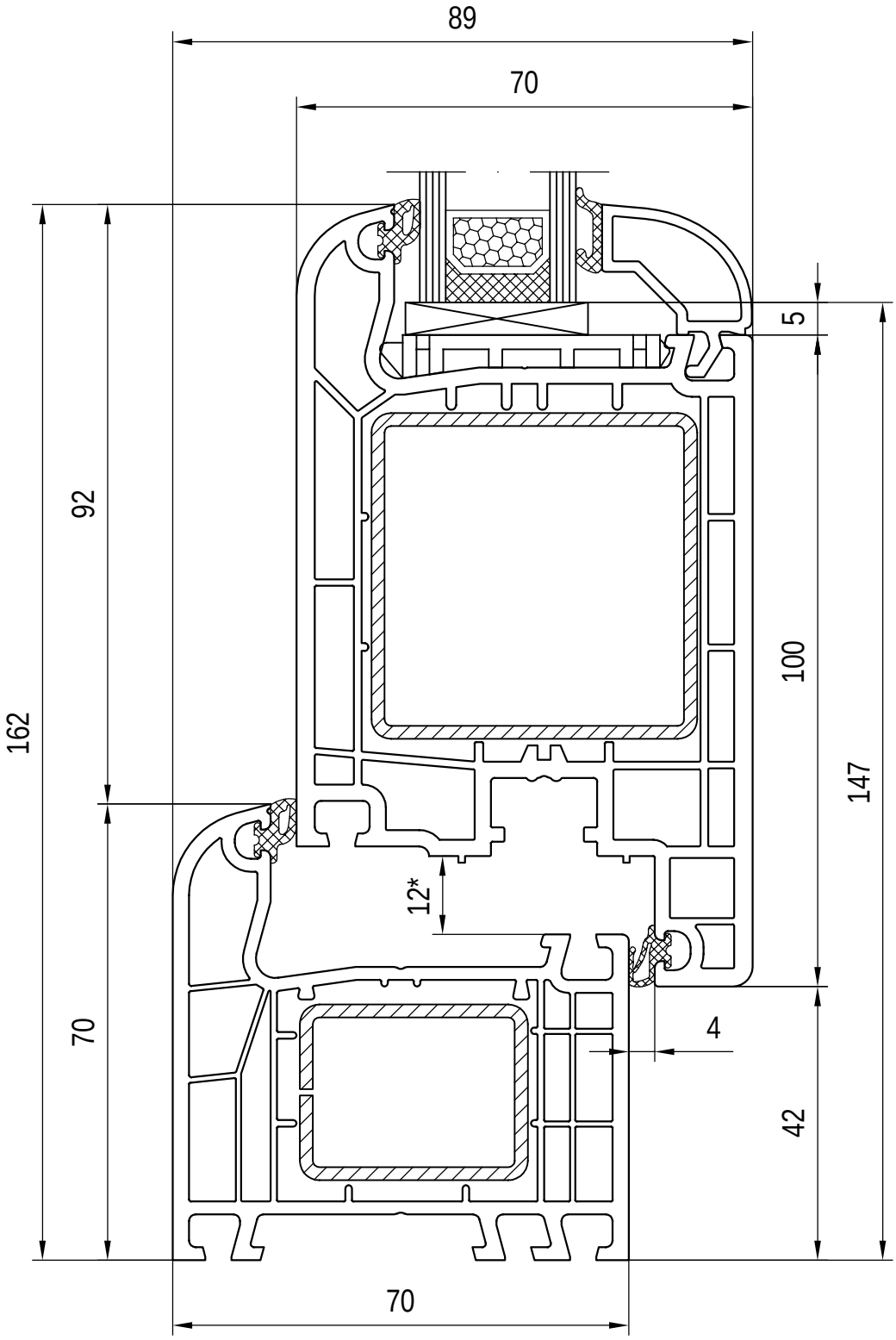
Rahmen 140x08
Flügel 140x33


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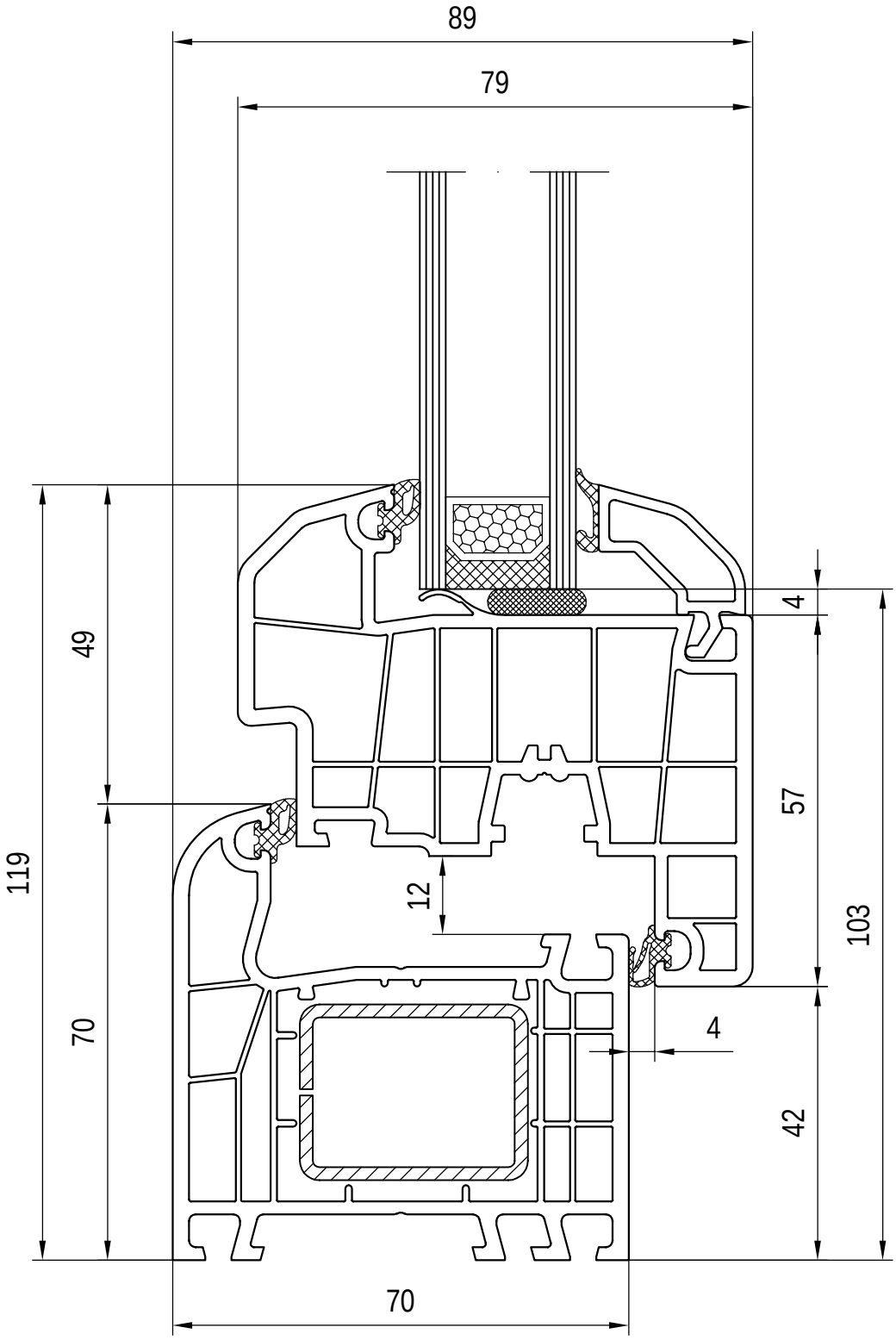


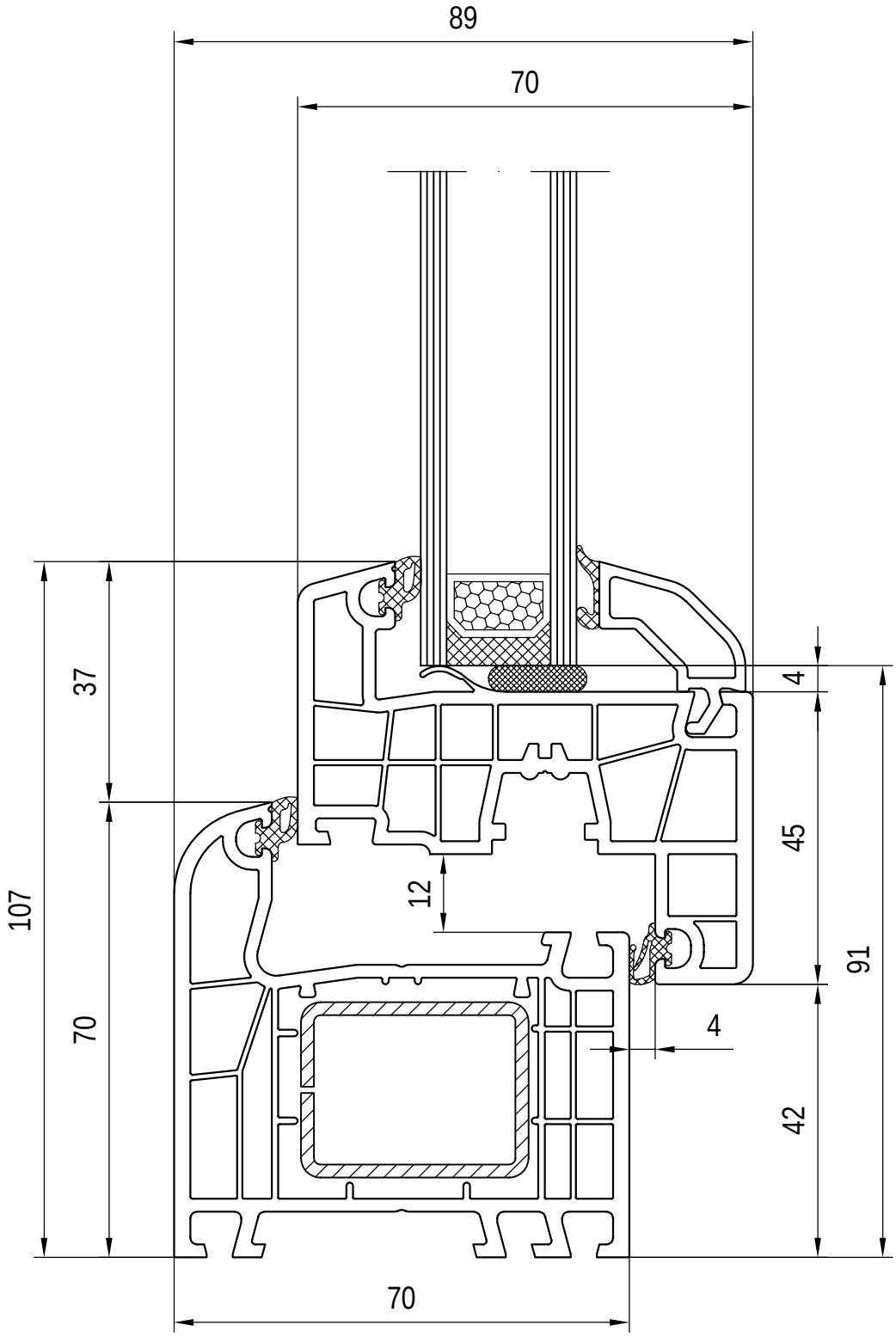
* Falzluft bei Haustüren links und rechts = 13mm

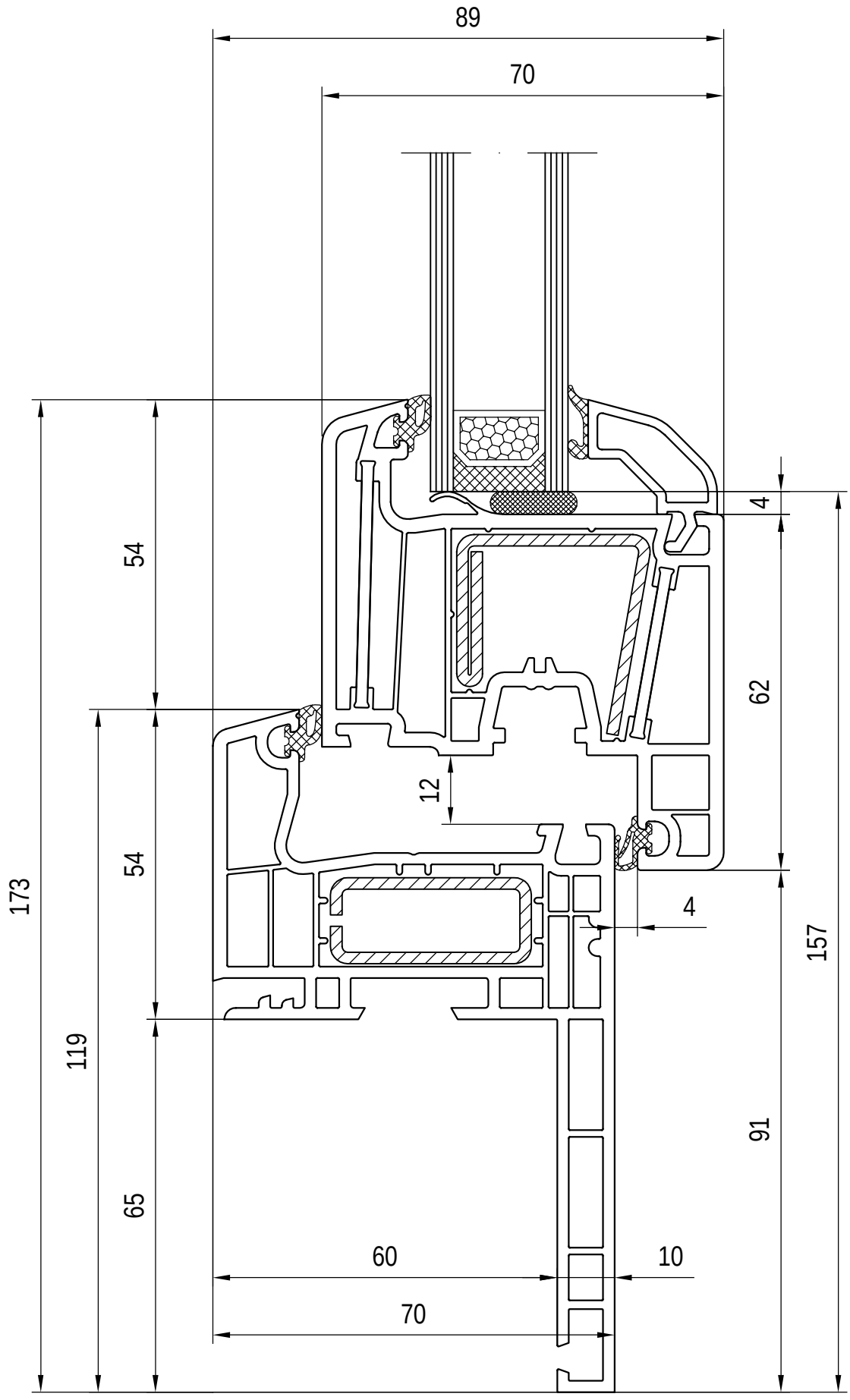

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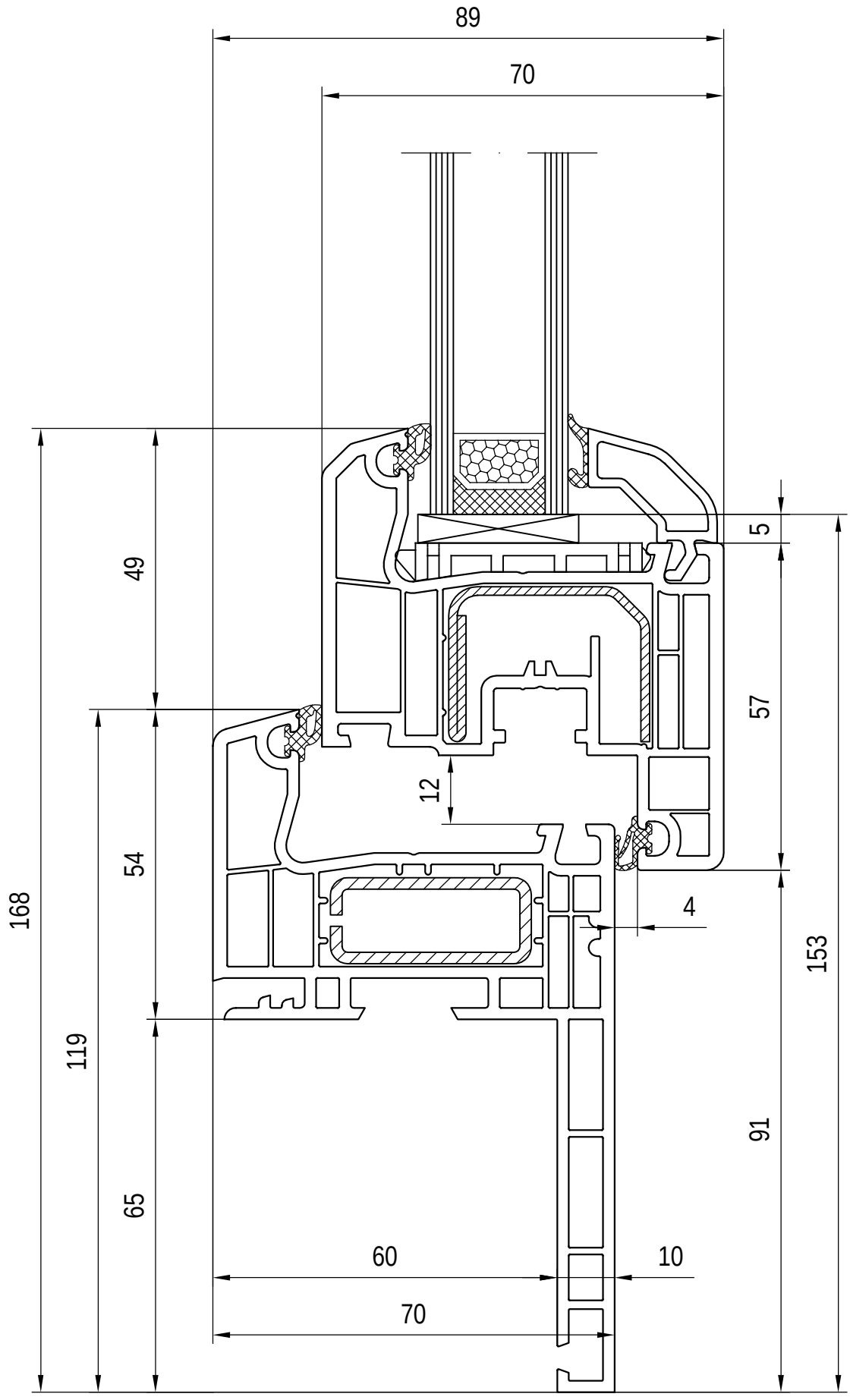


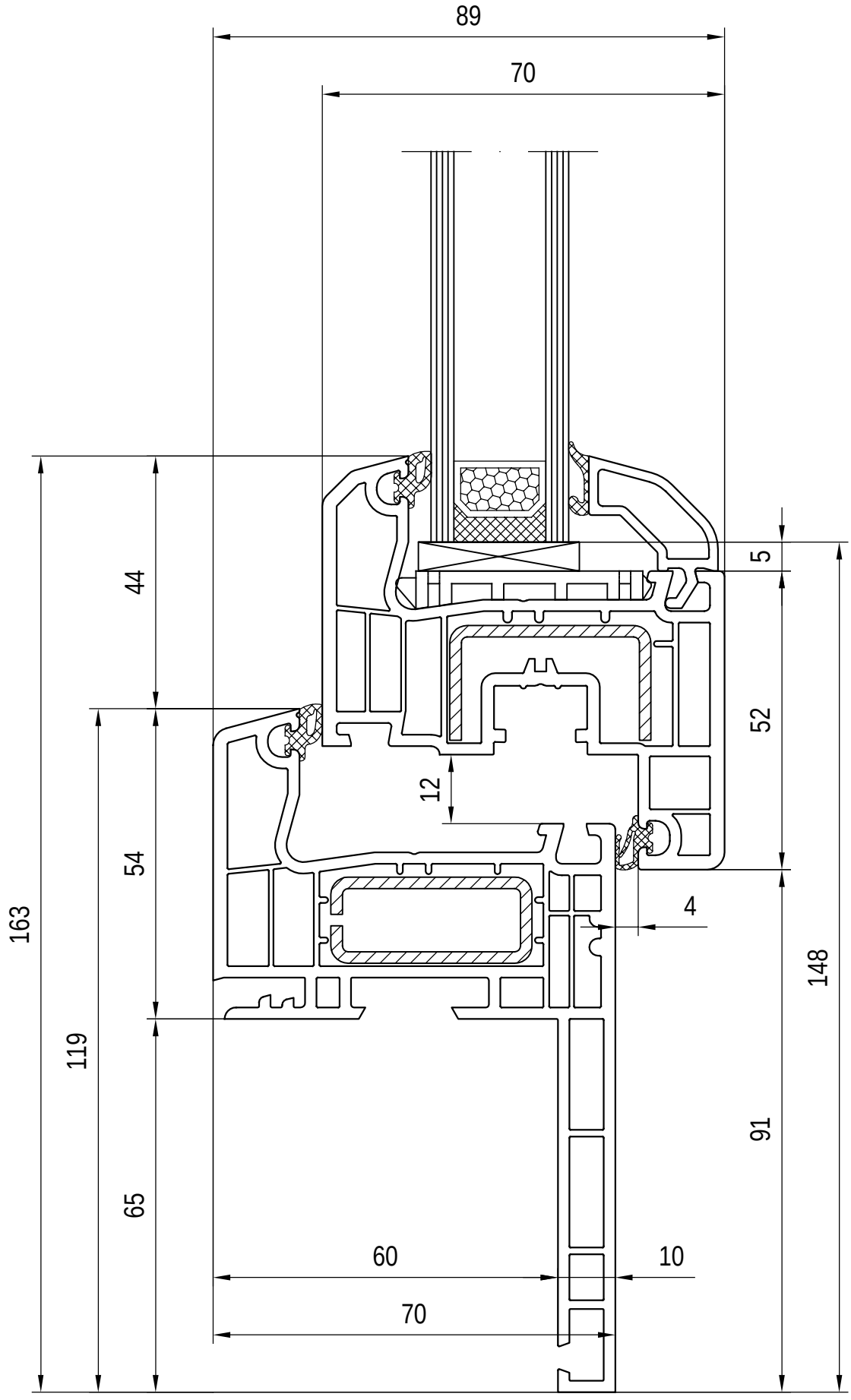
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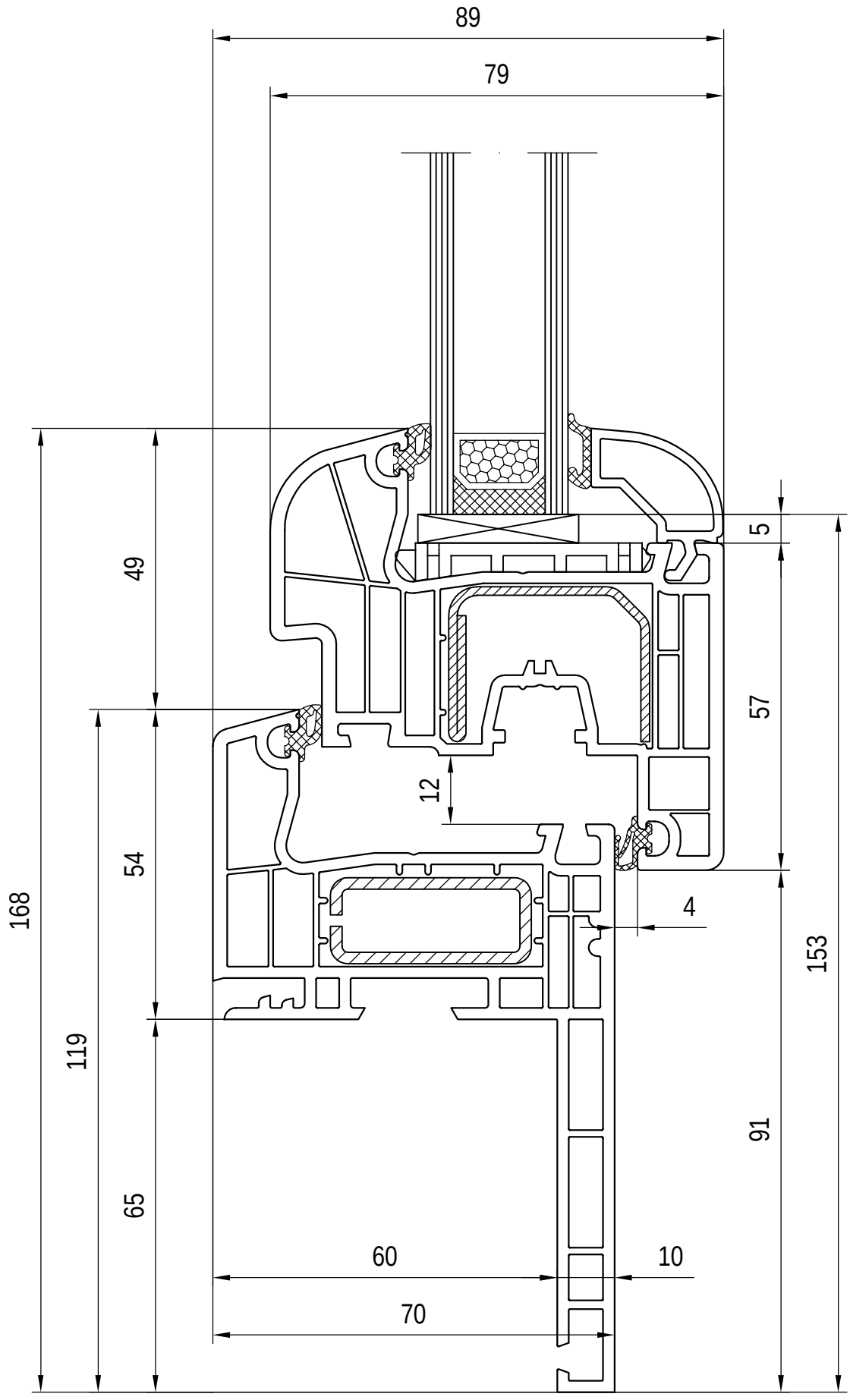

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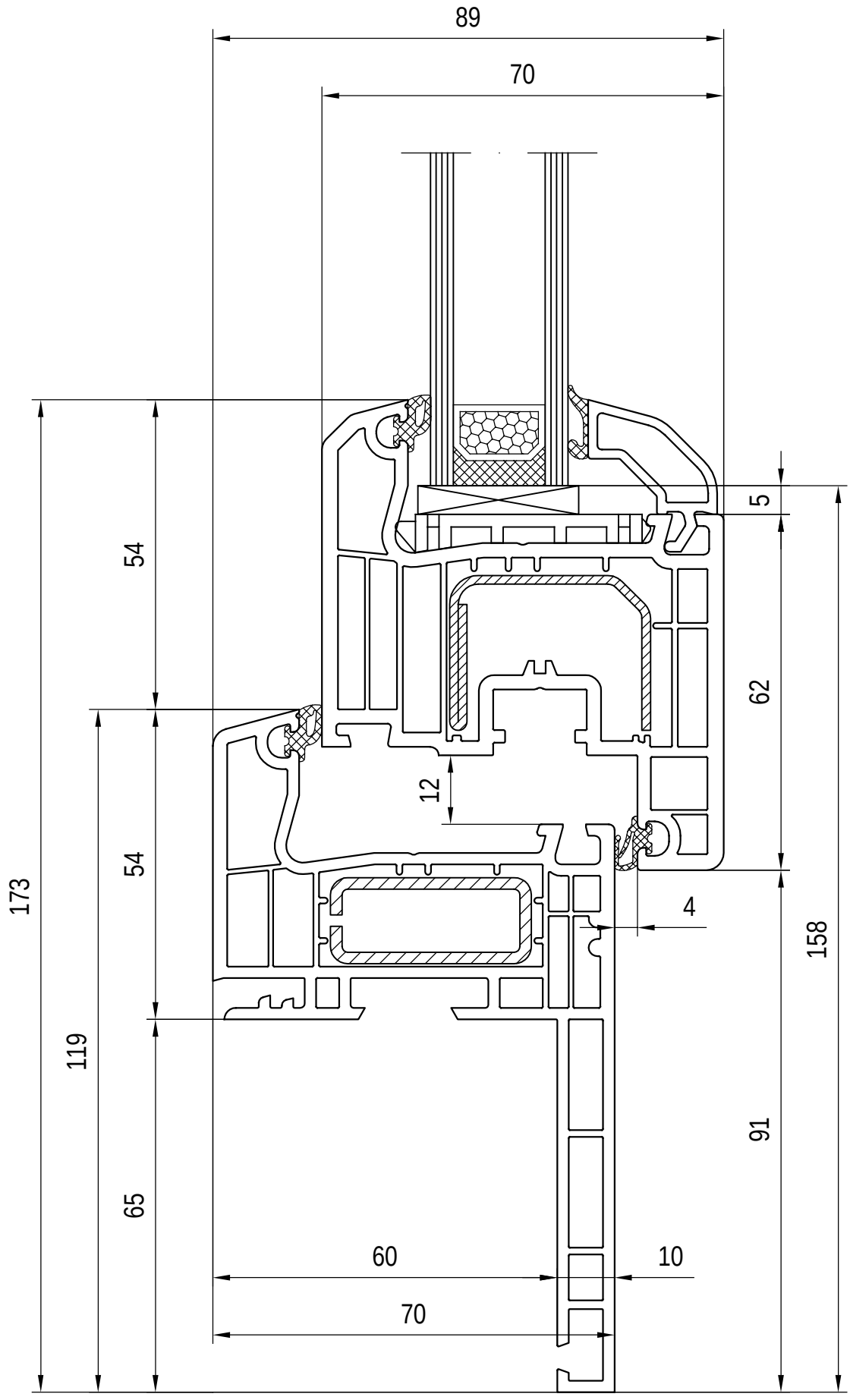

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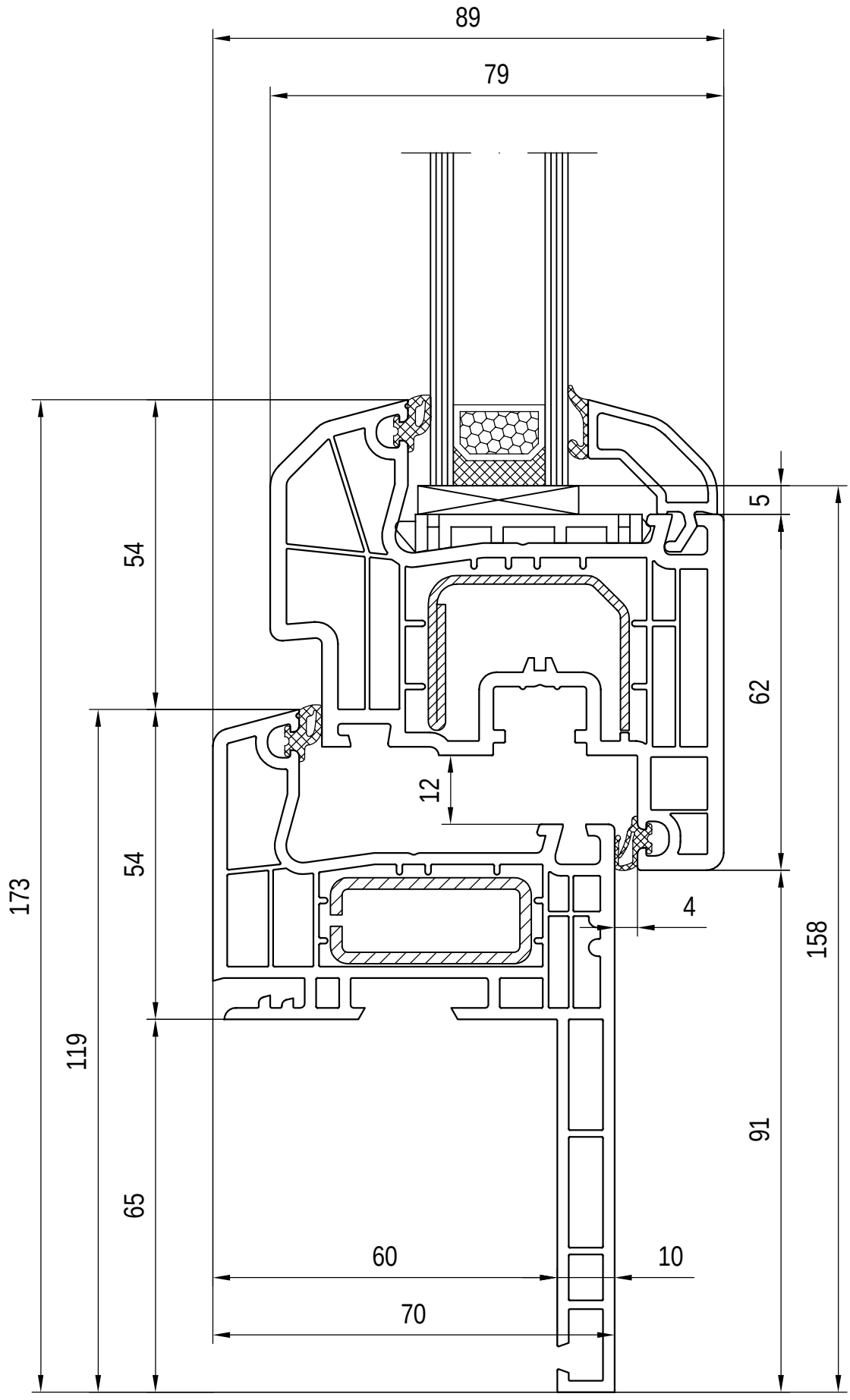

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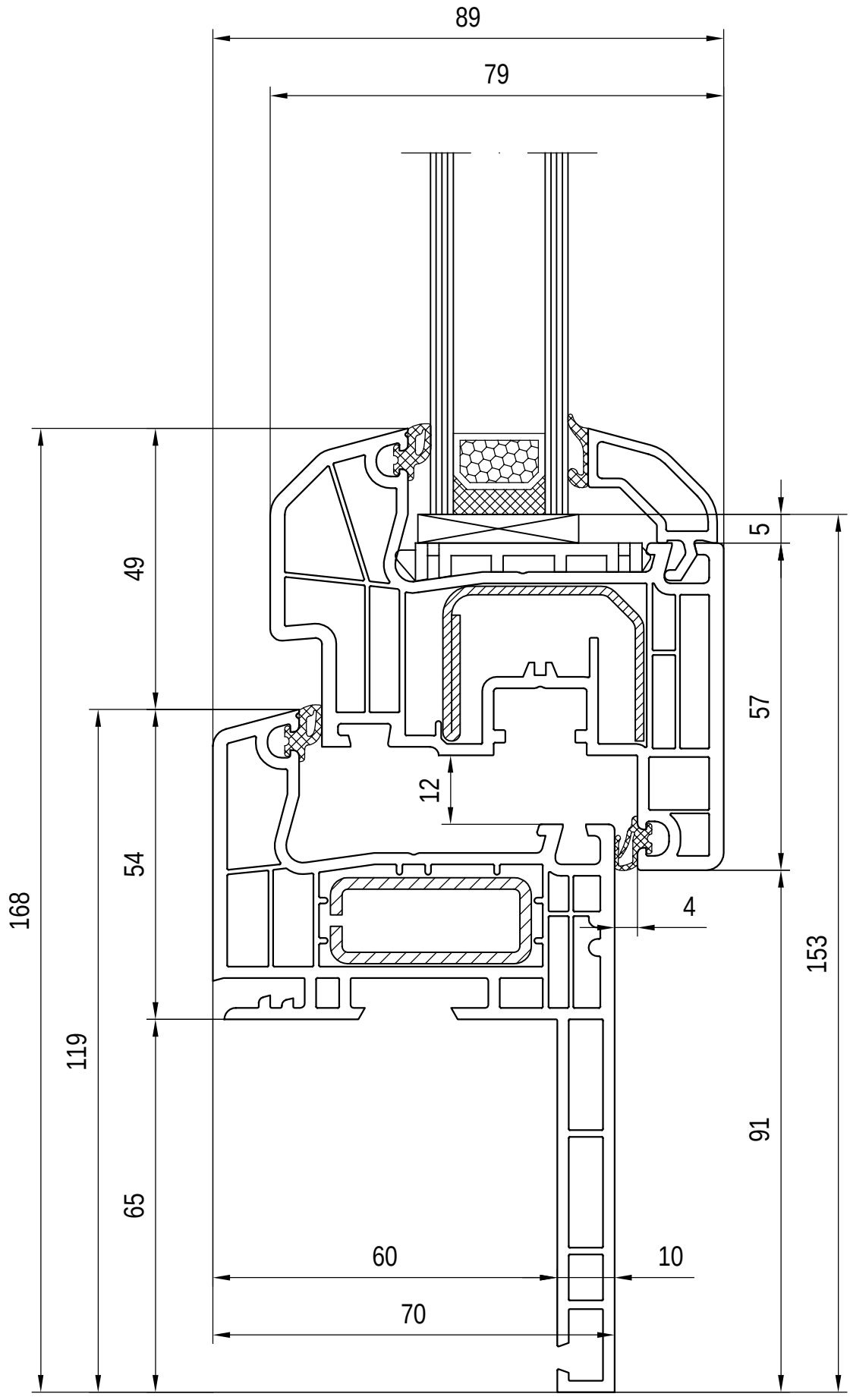

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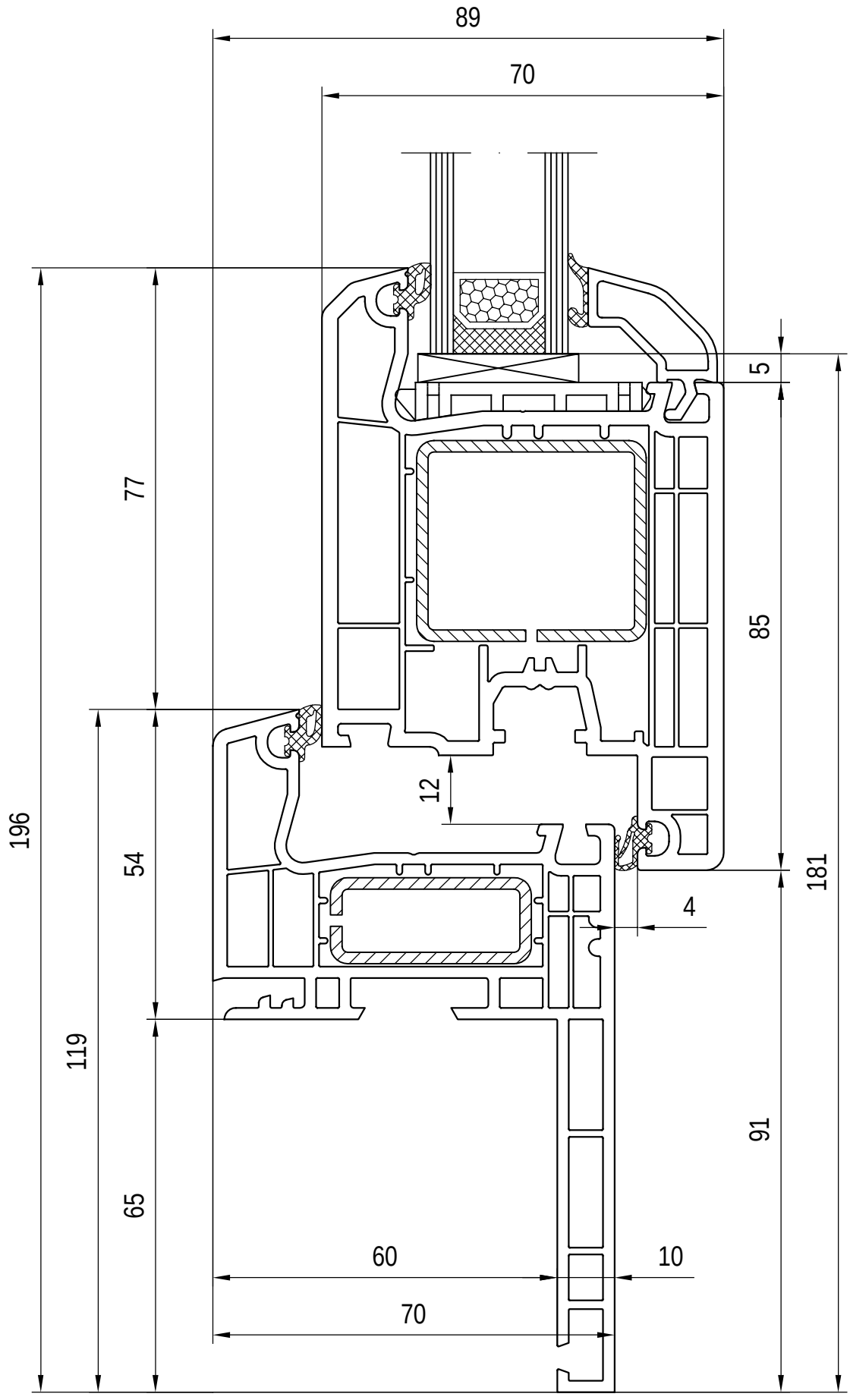

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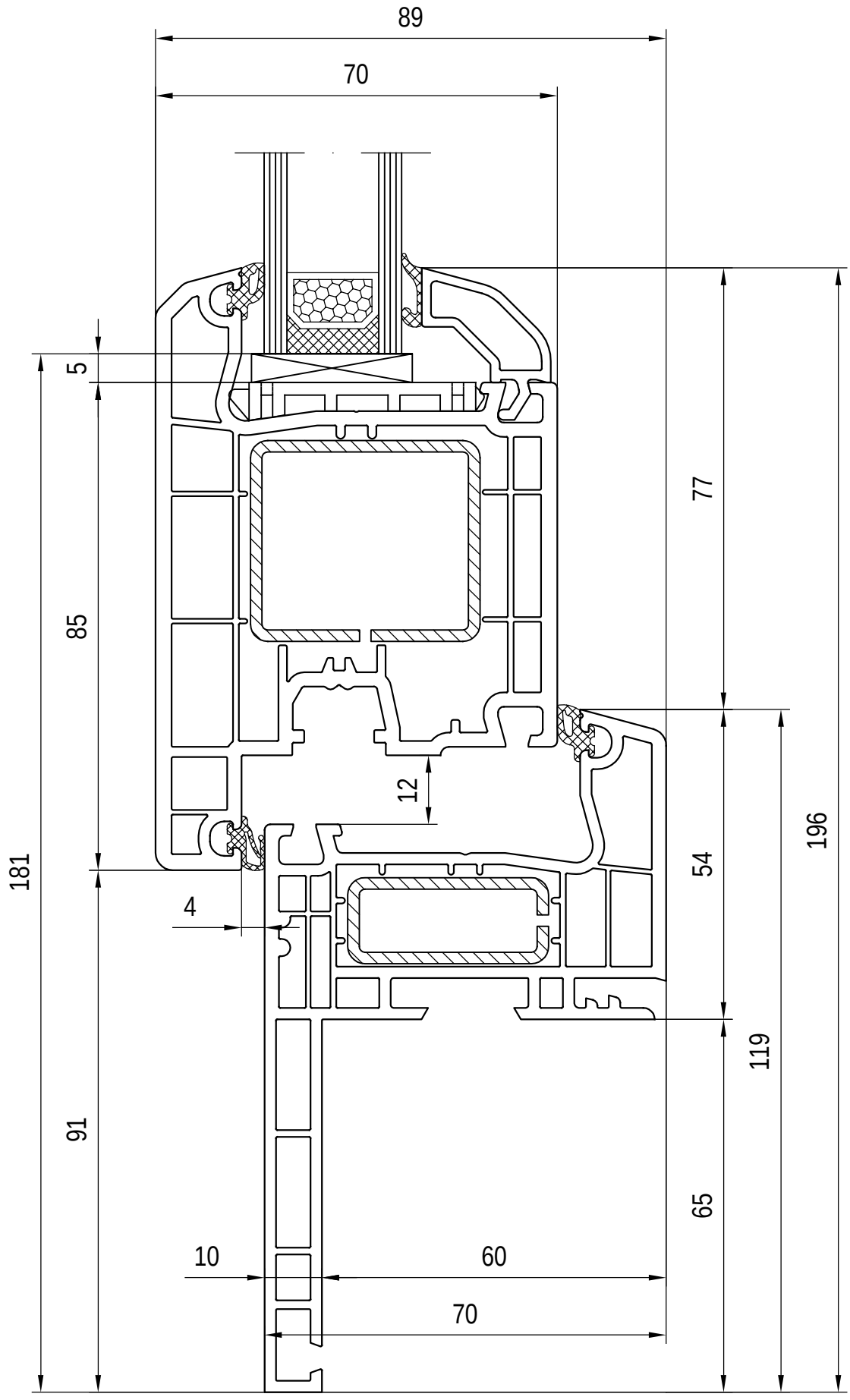

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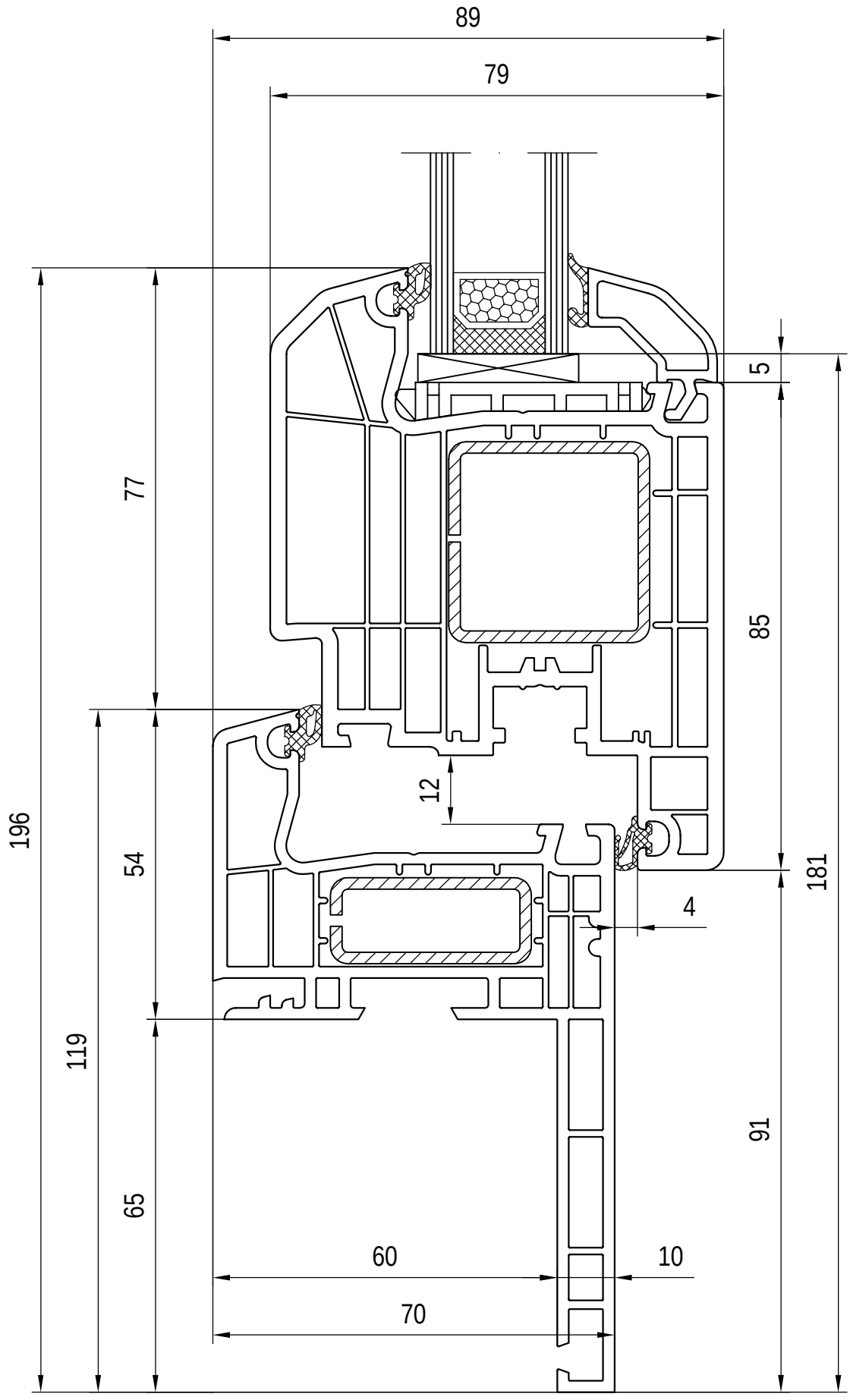

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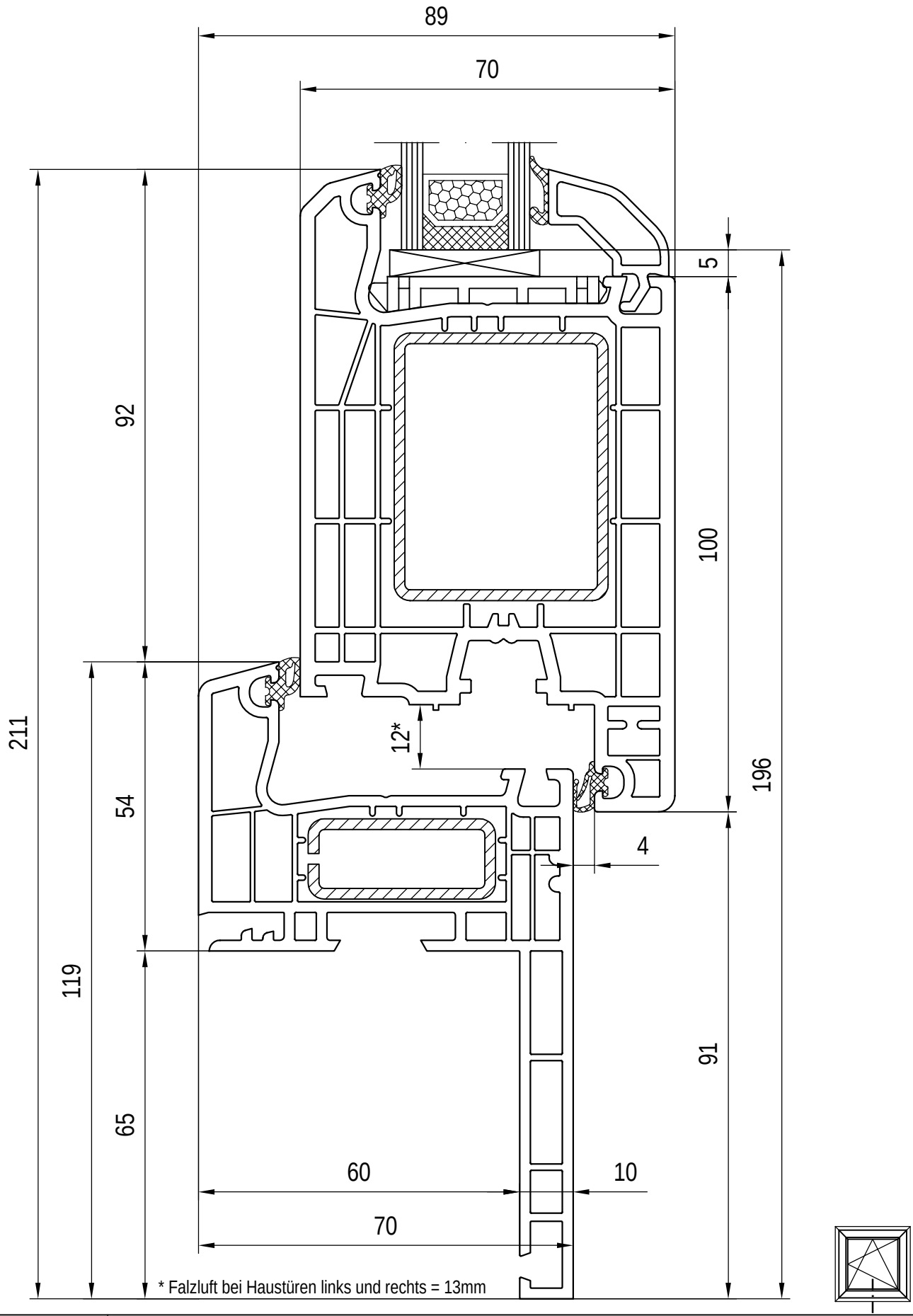

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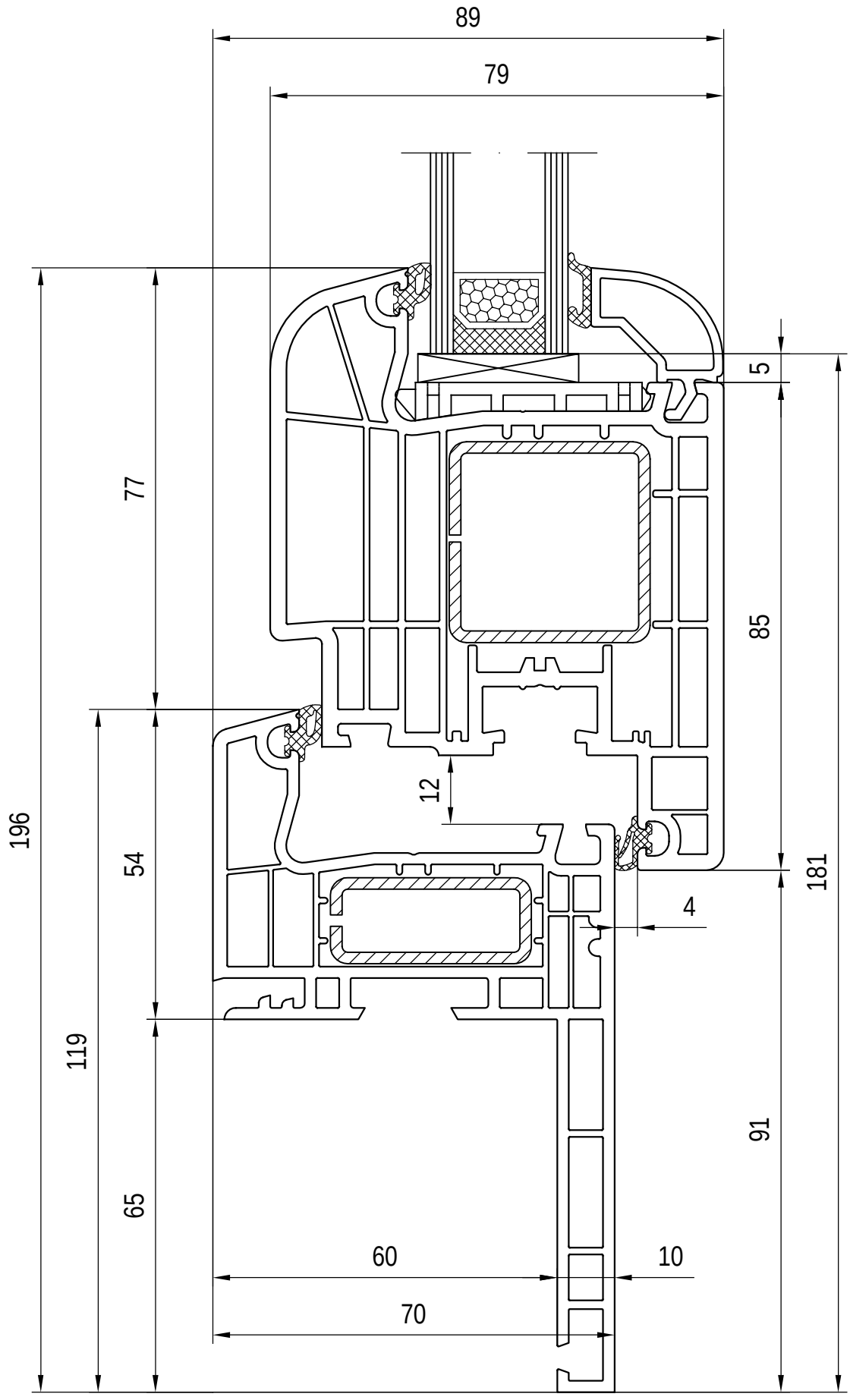

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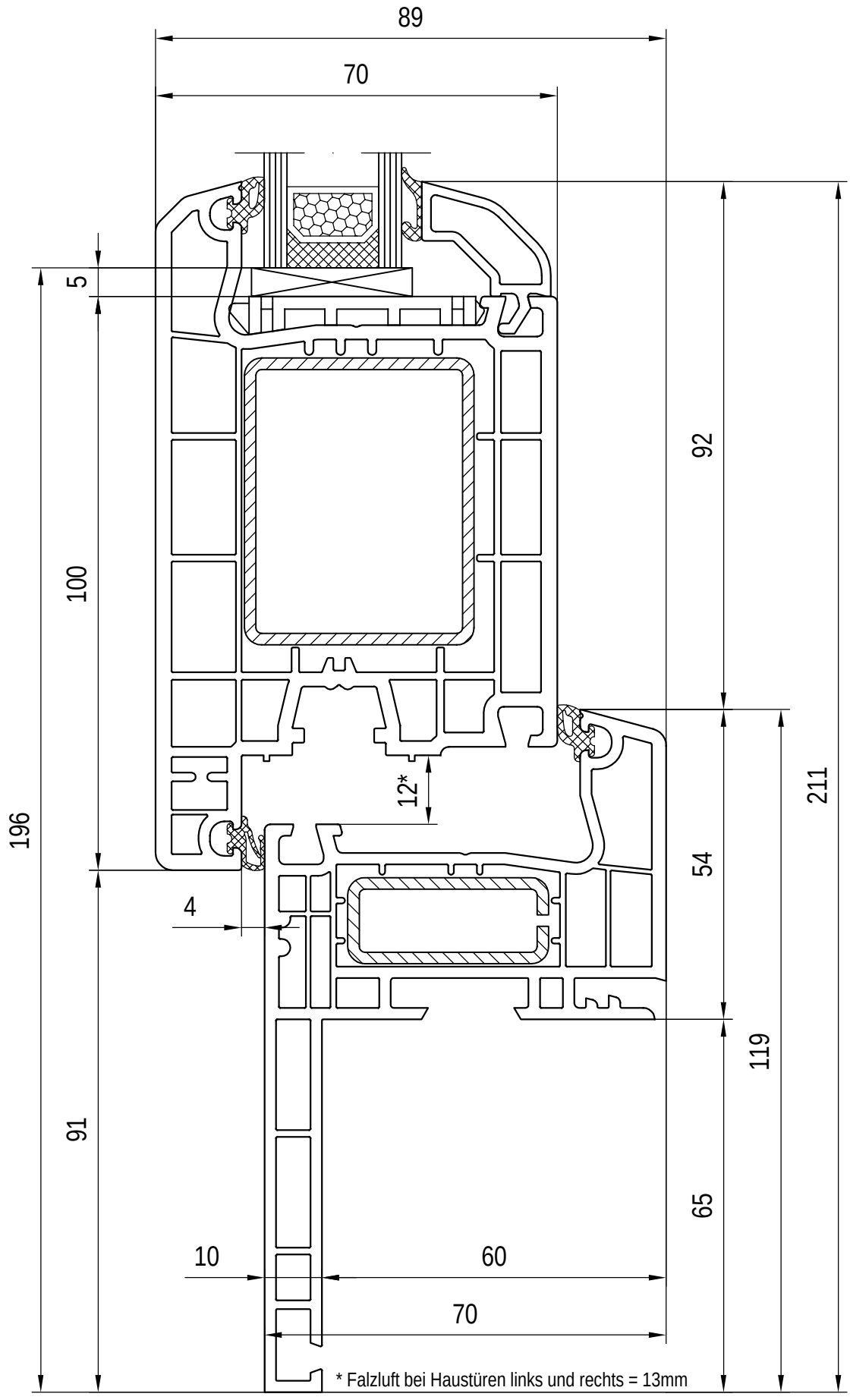

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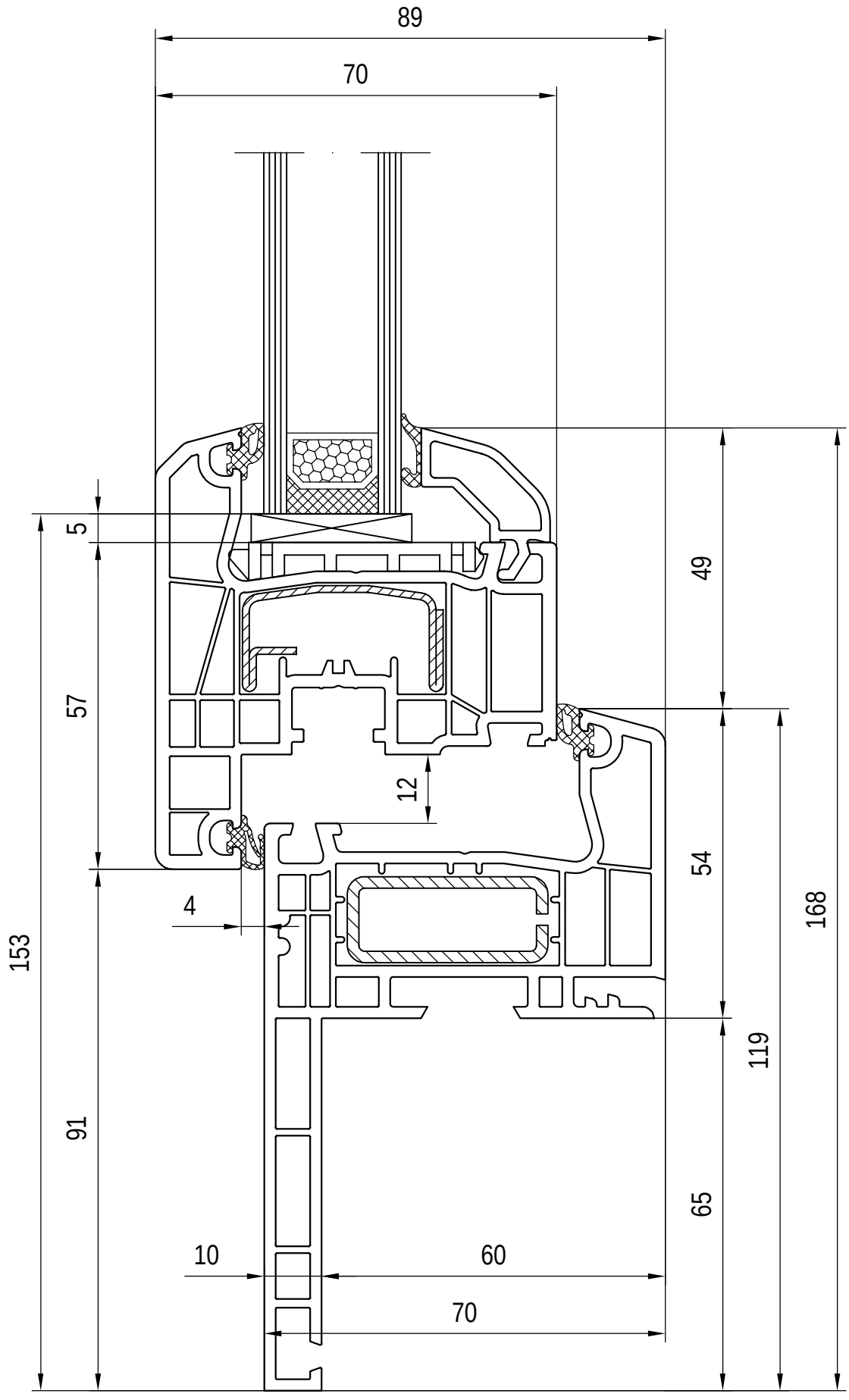

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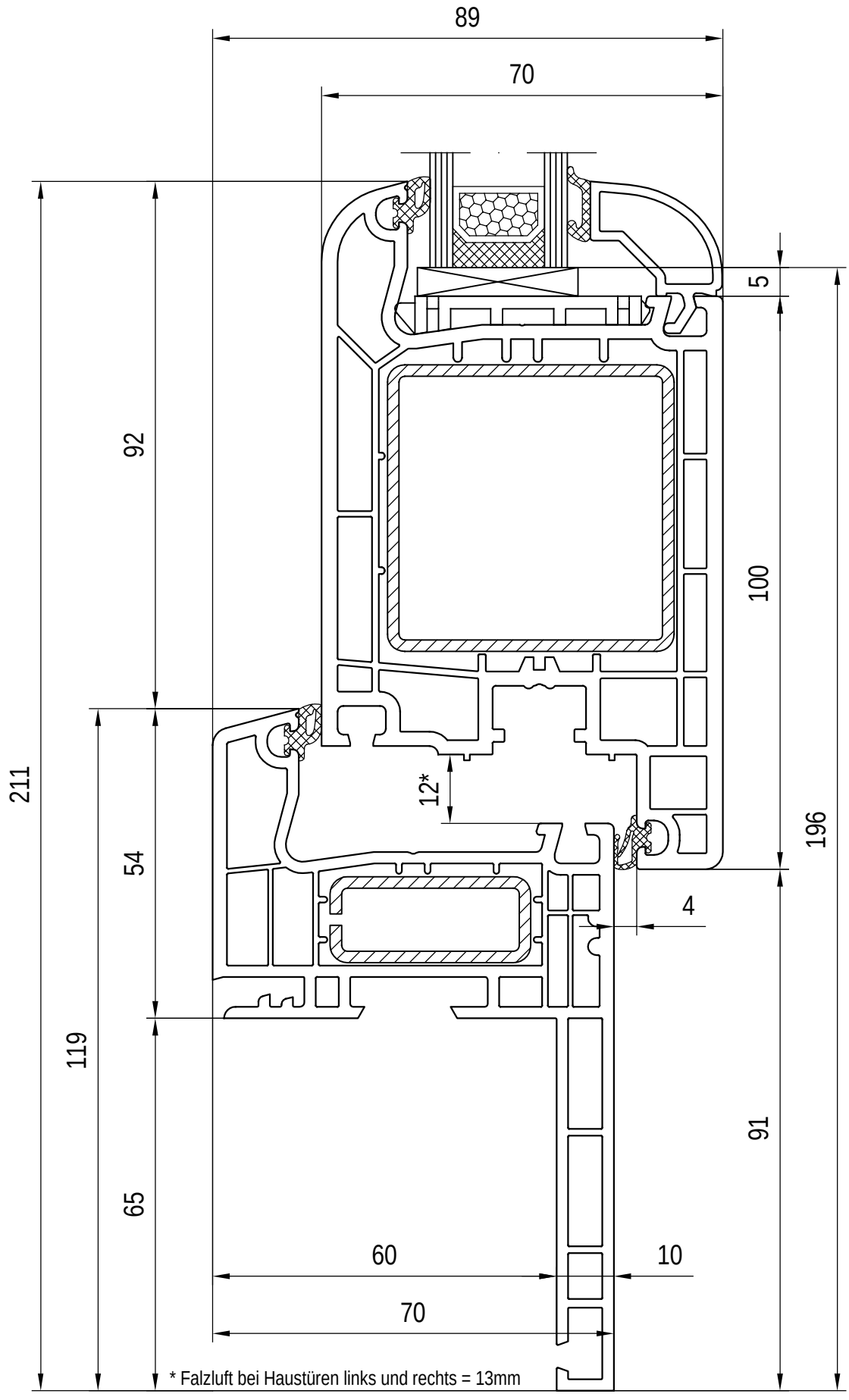

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89
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* Falzluft bei Haustüren links und rechts = 13mm


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* Falzluft bei Haustüren links und rechts = 13mm

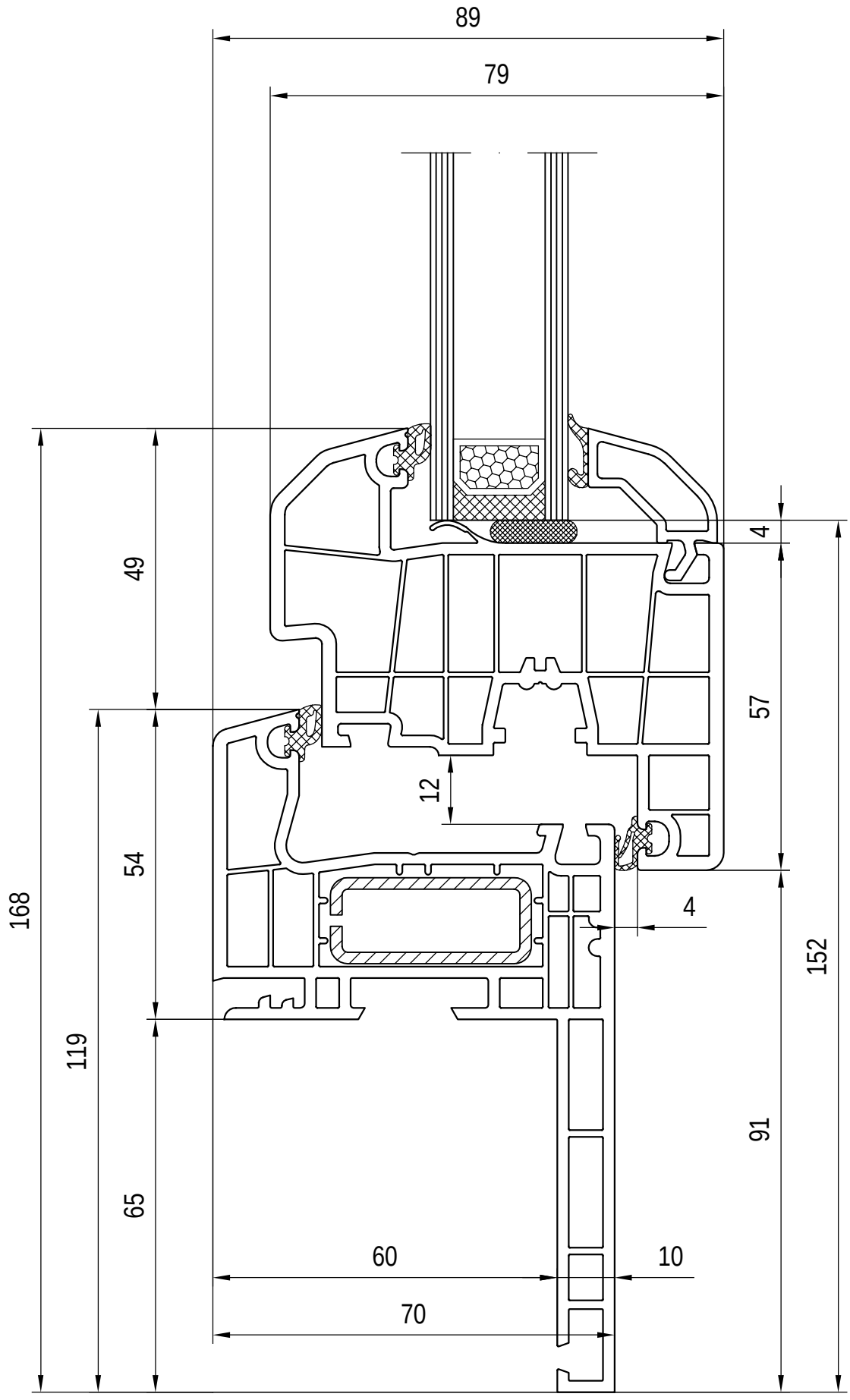

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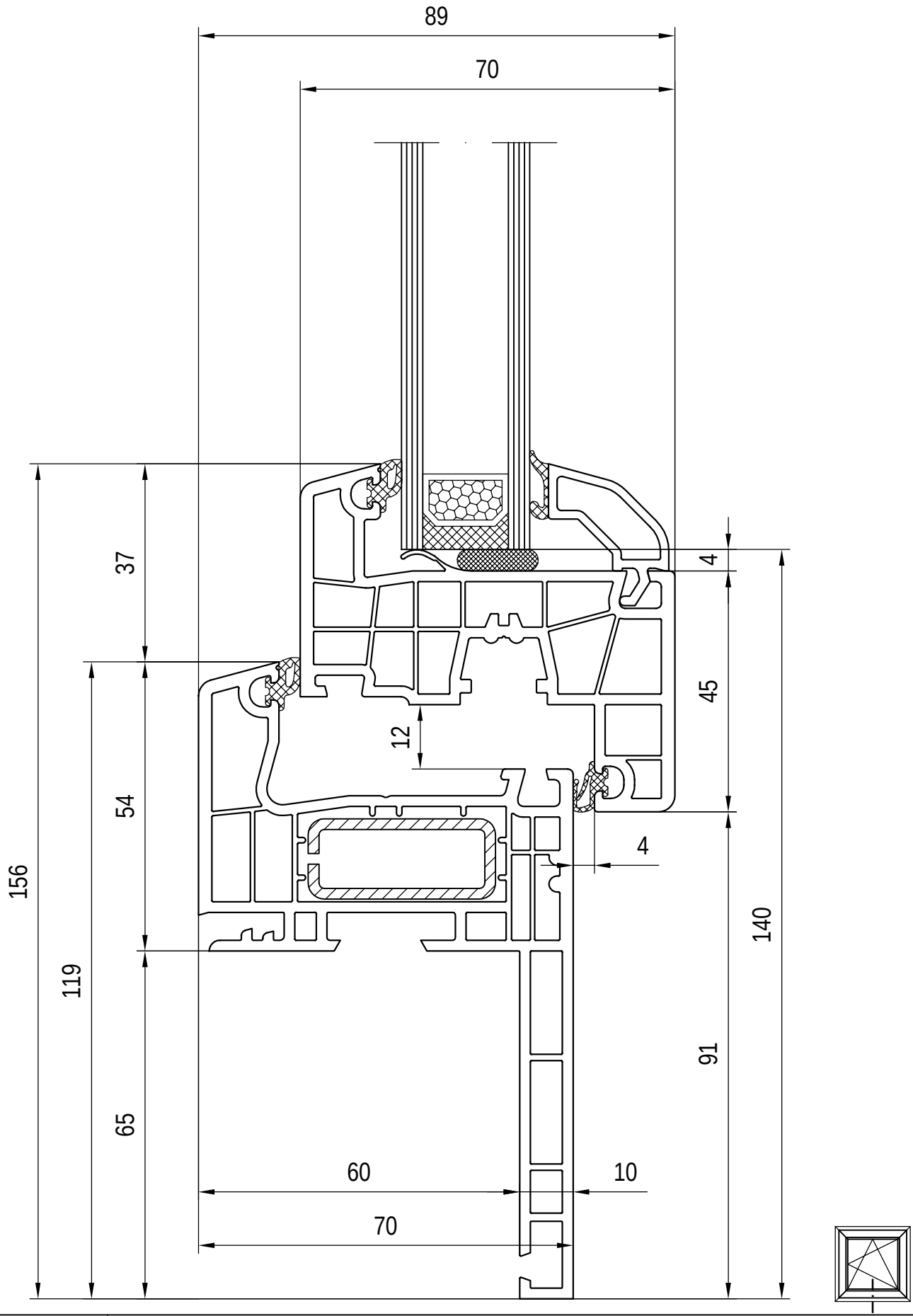


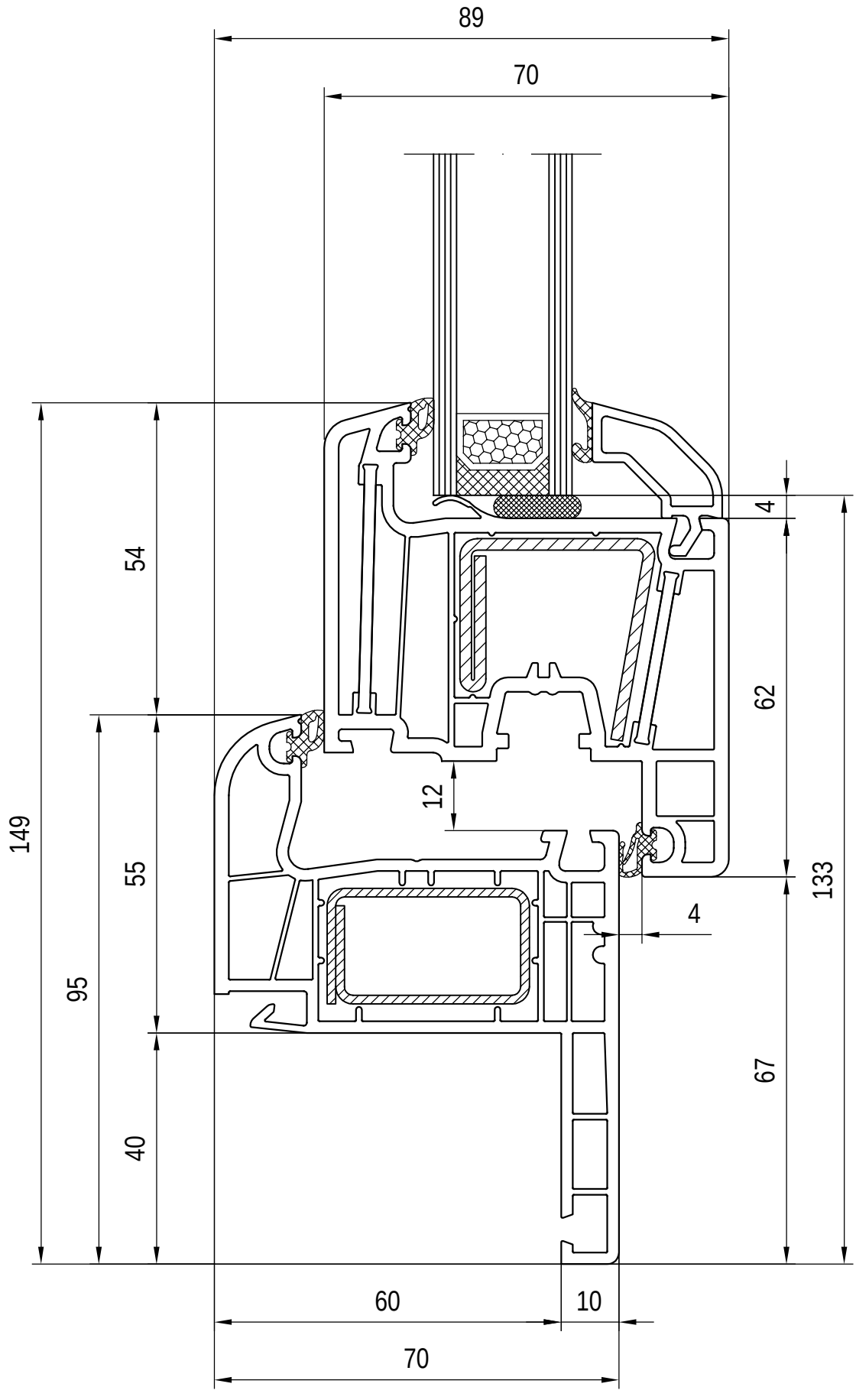
Kombinationen: Rahmen - Flügel

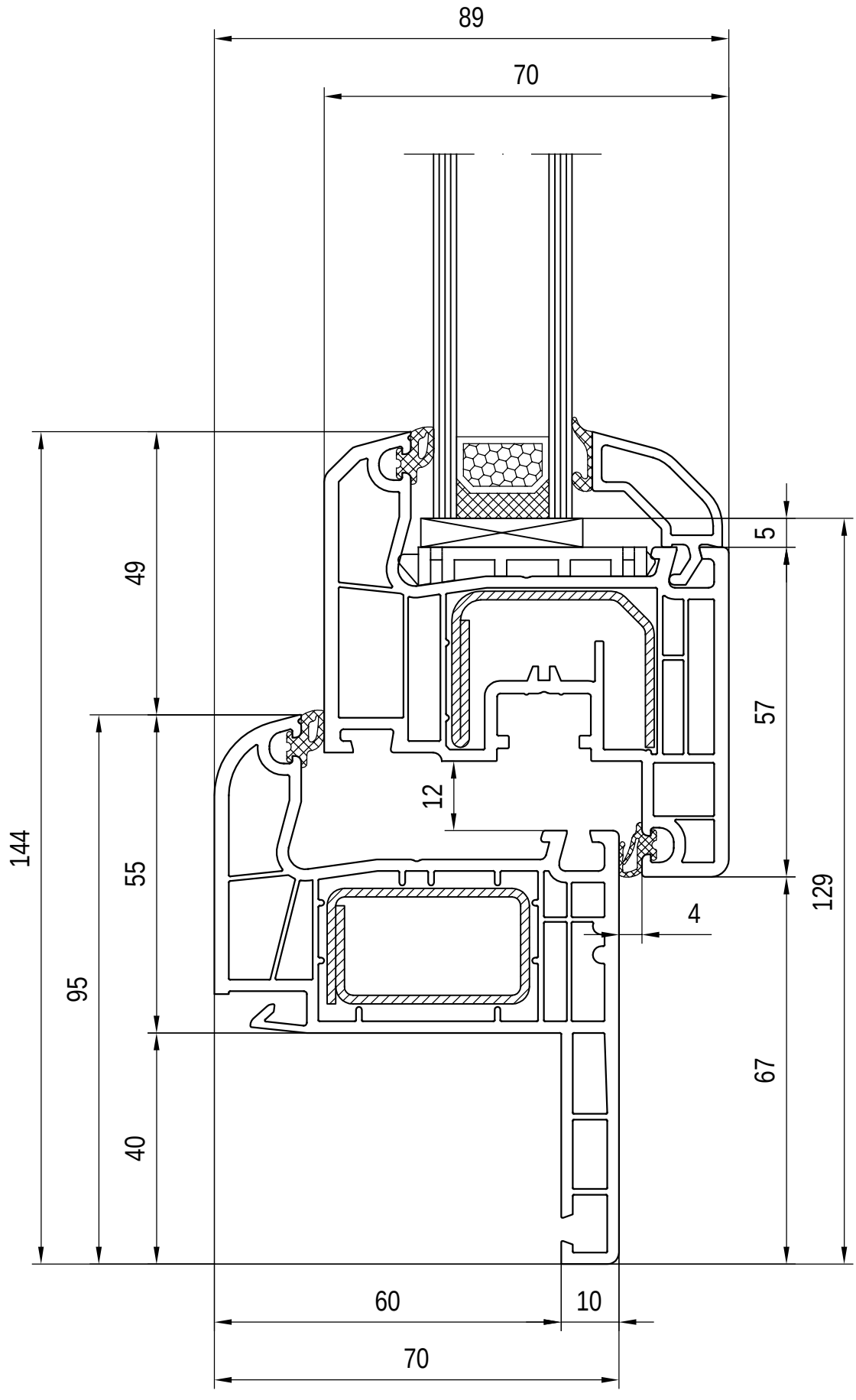
Glasleiste 120850/120880

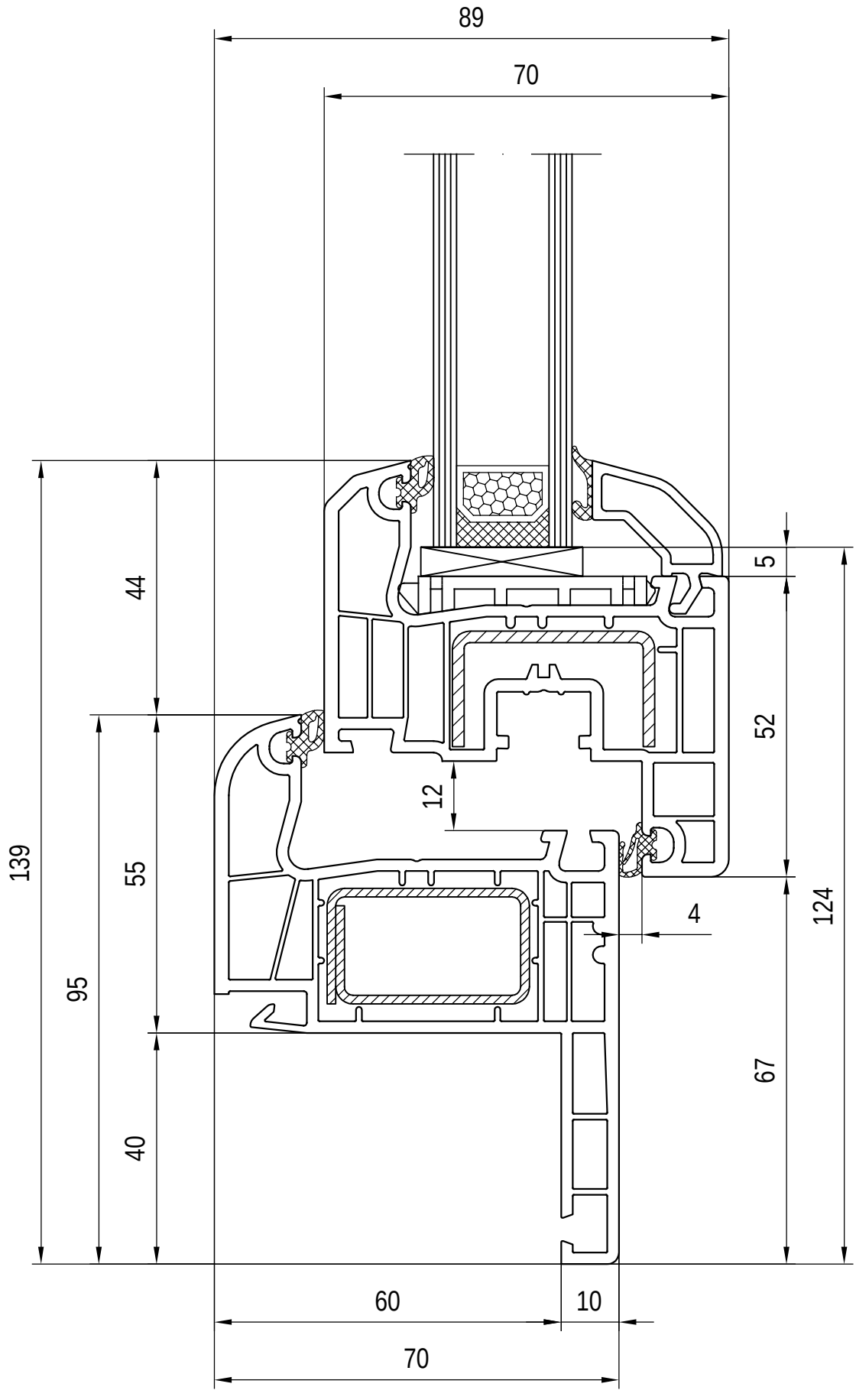
Altbau-Rahmen 140x10
Flügel 140x38

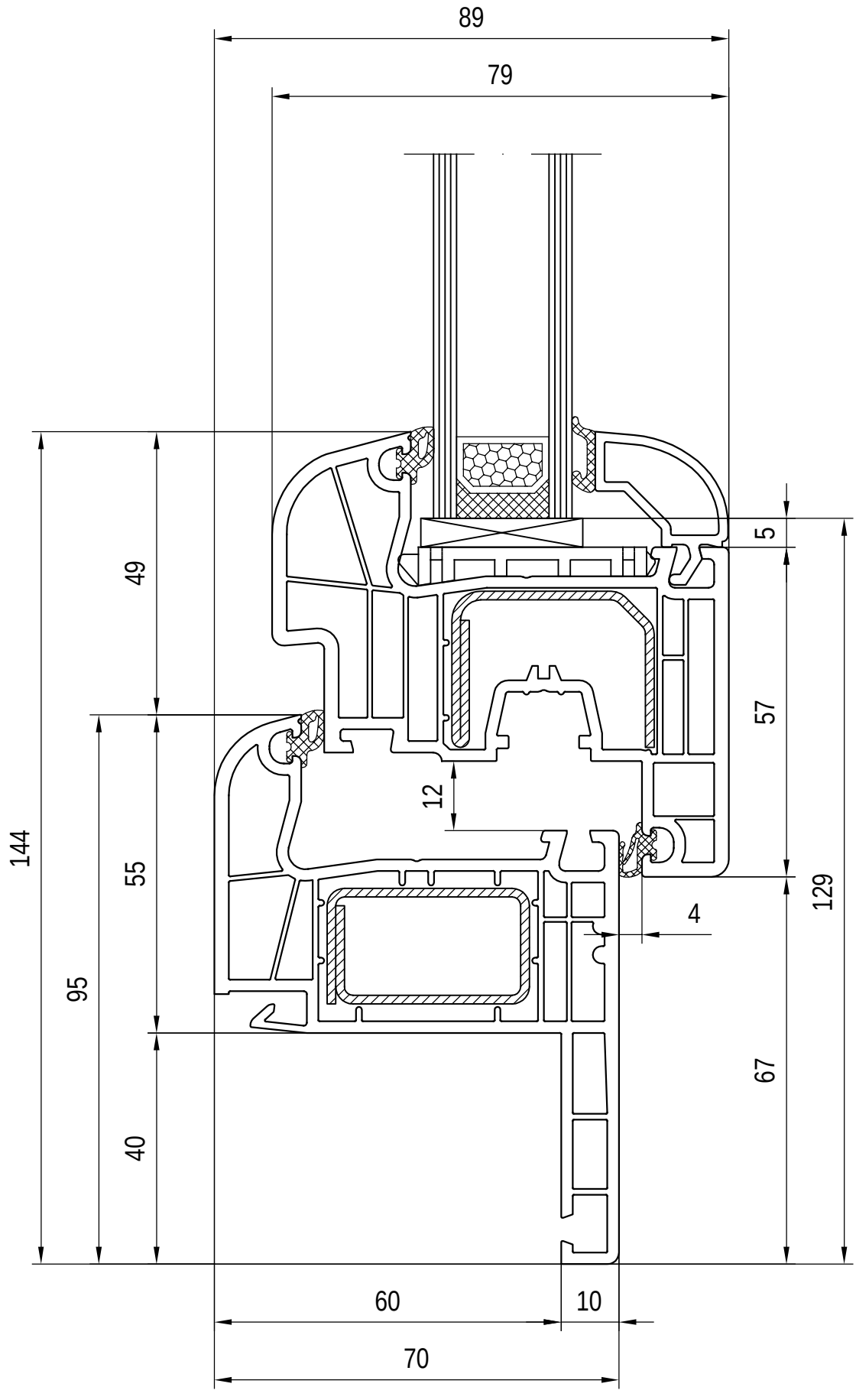

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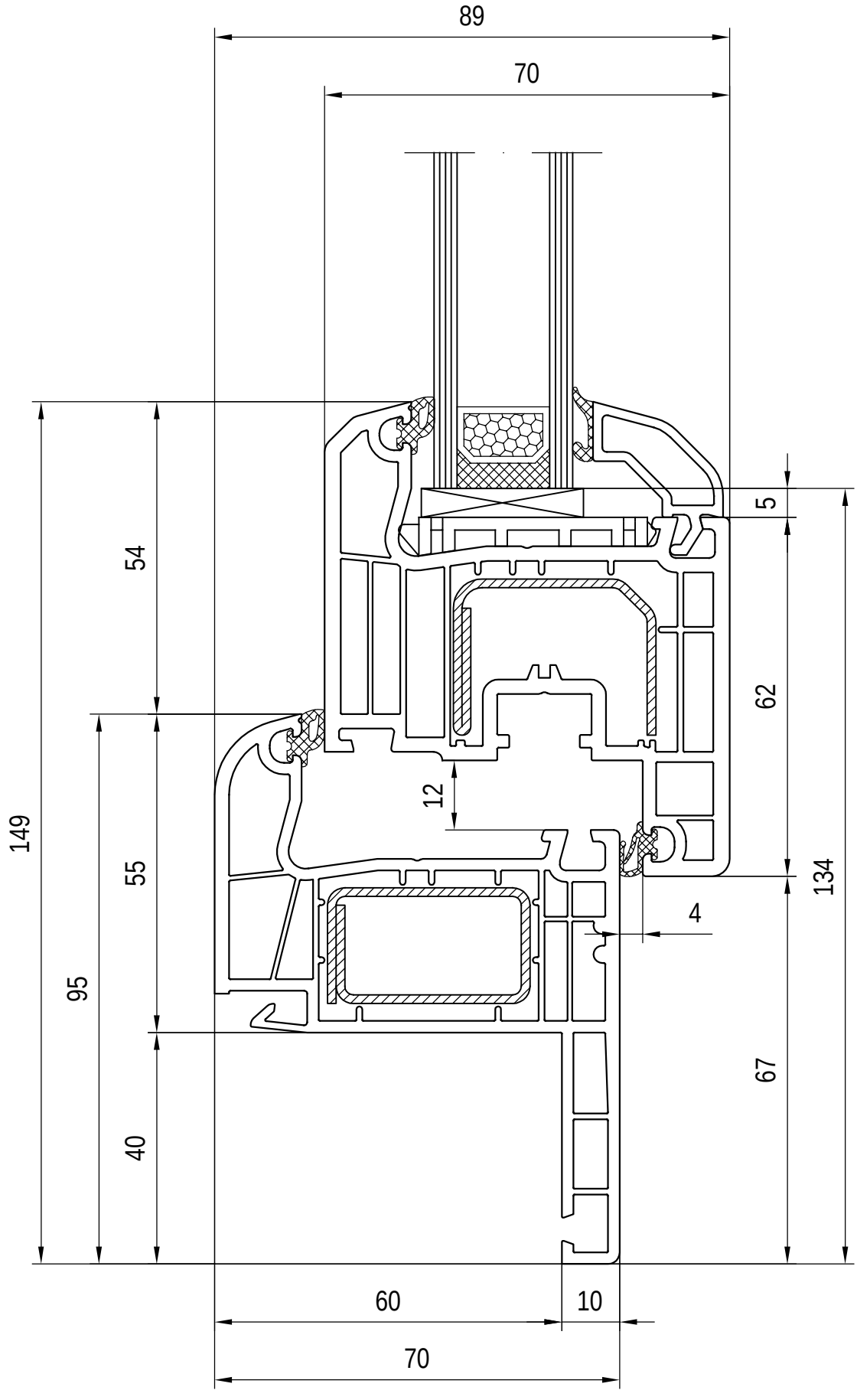

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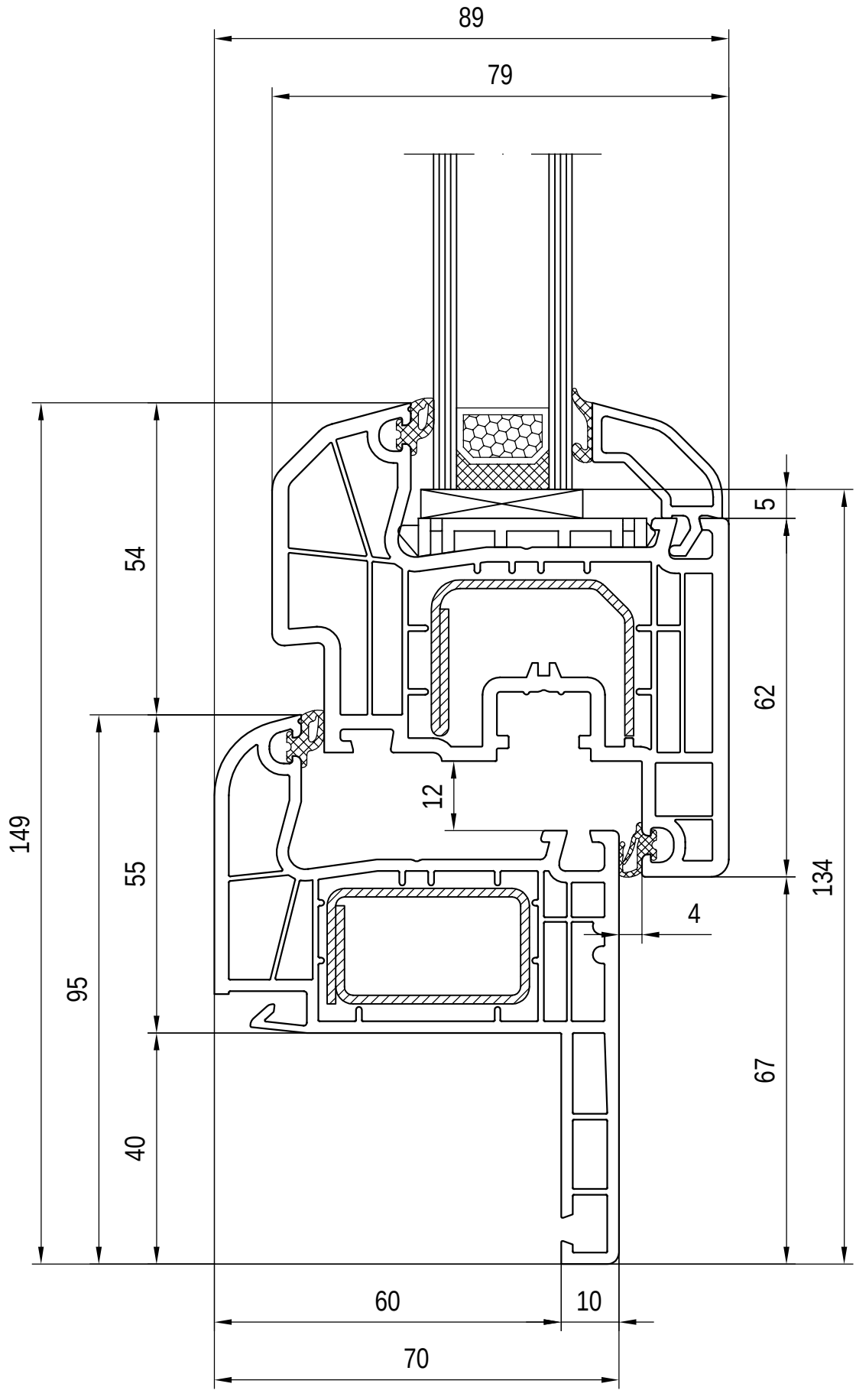

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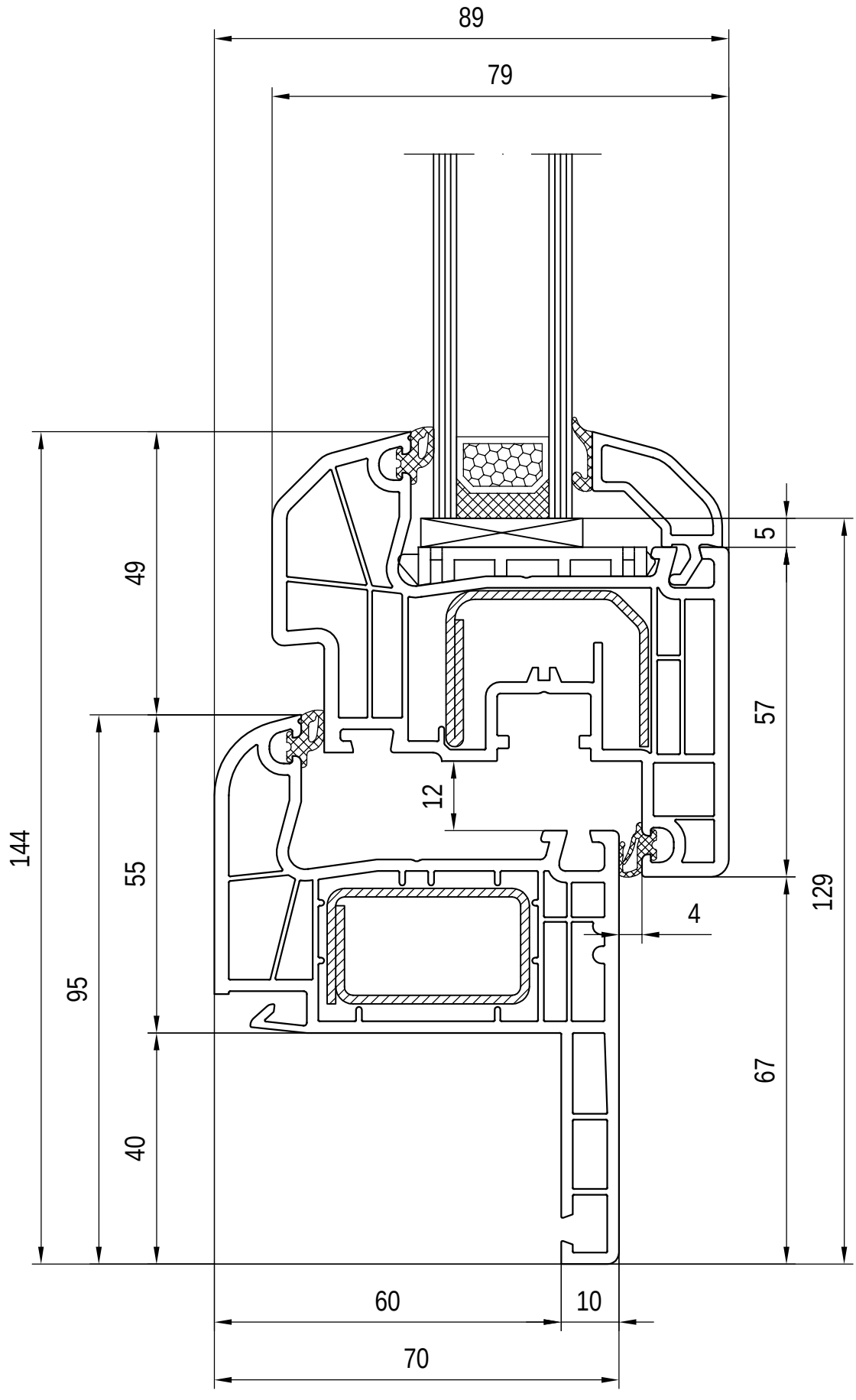

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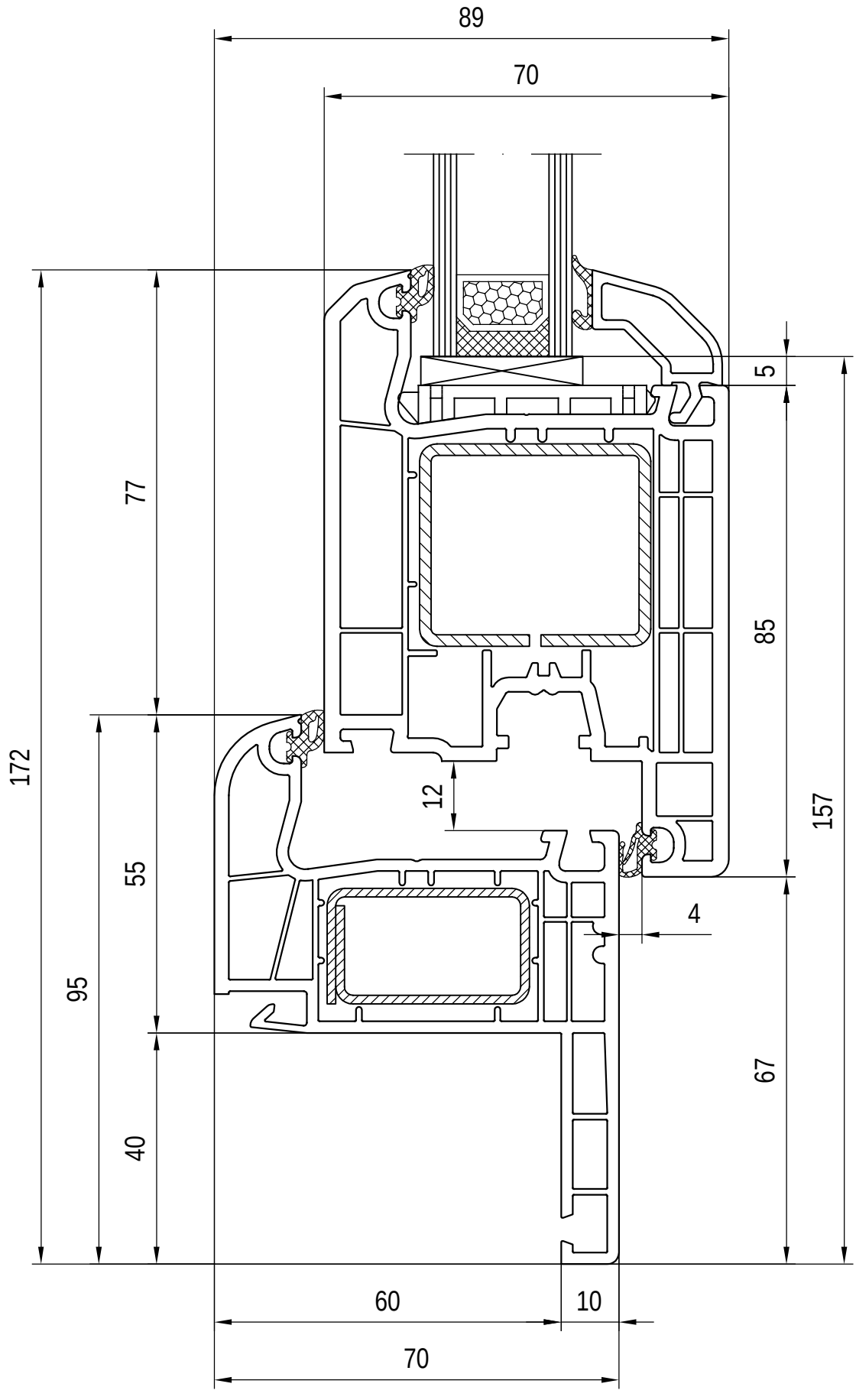

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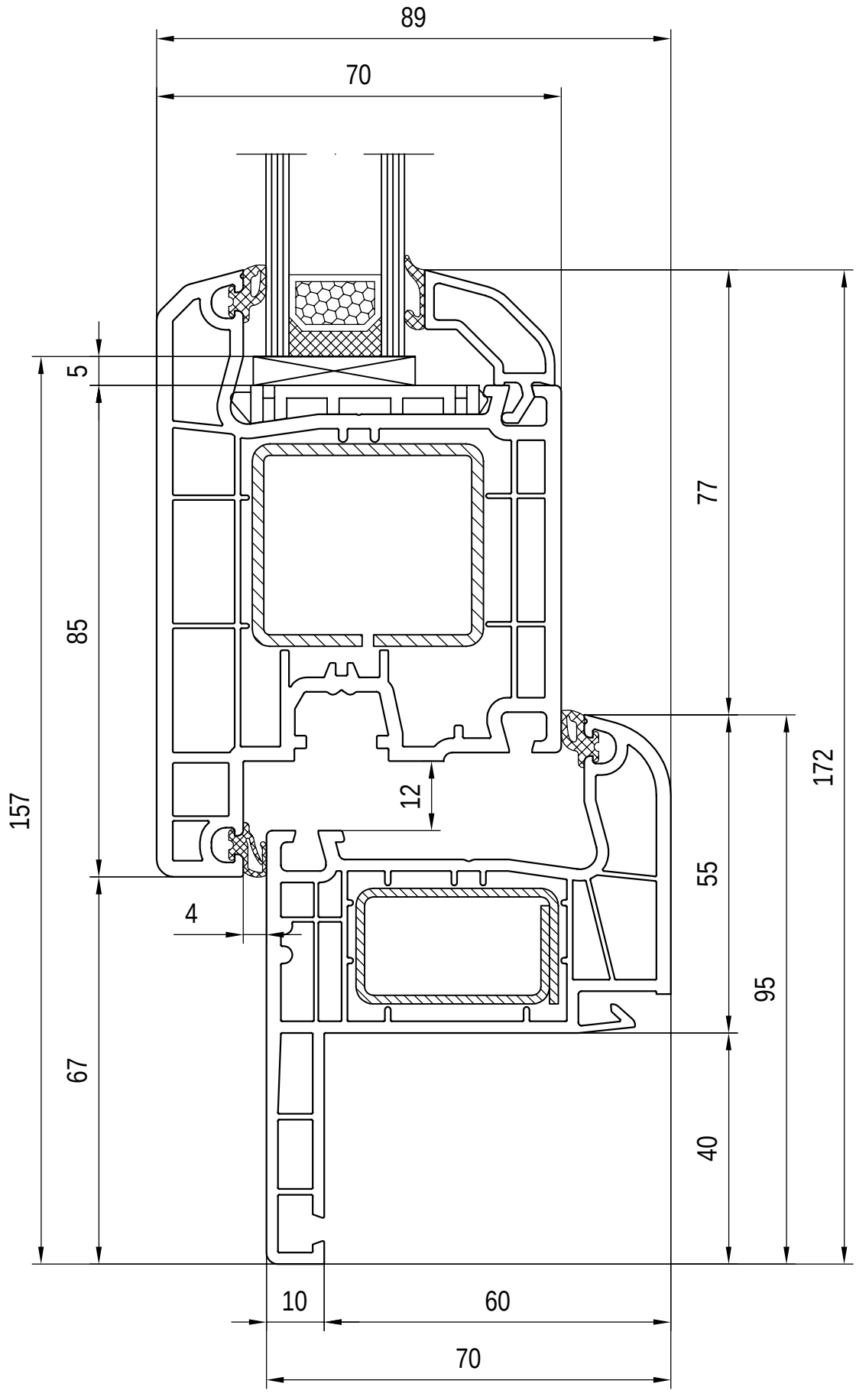

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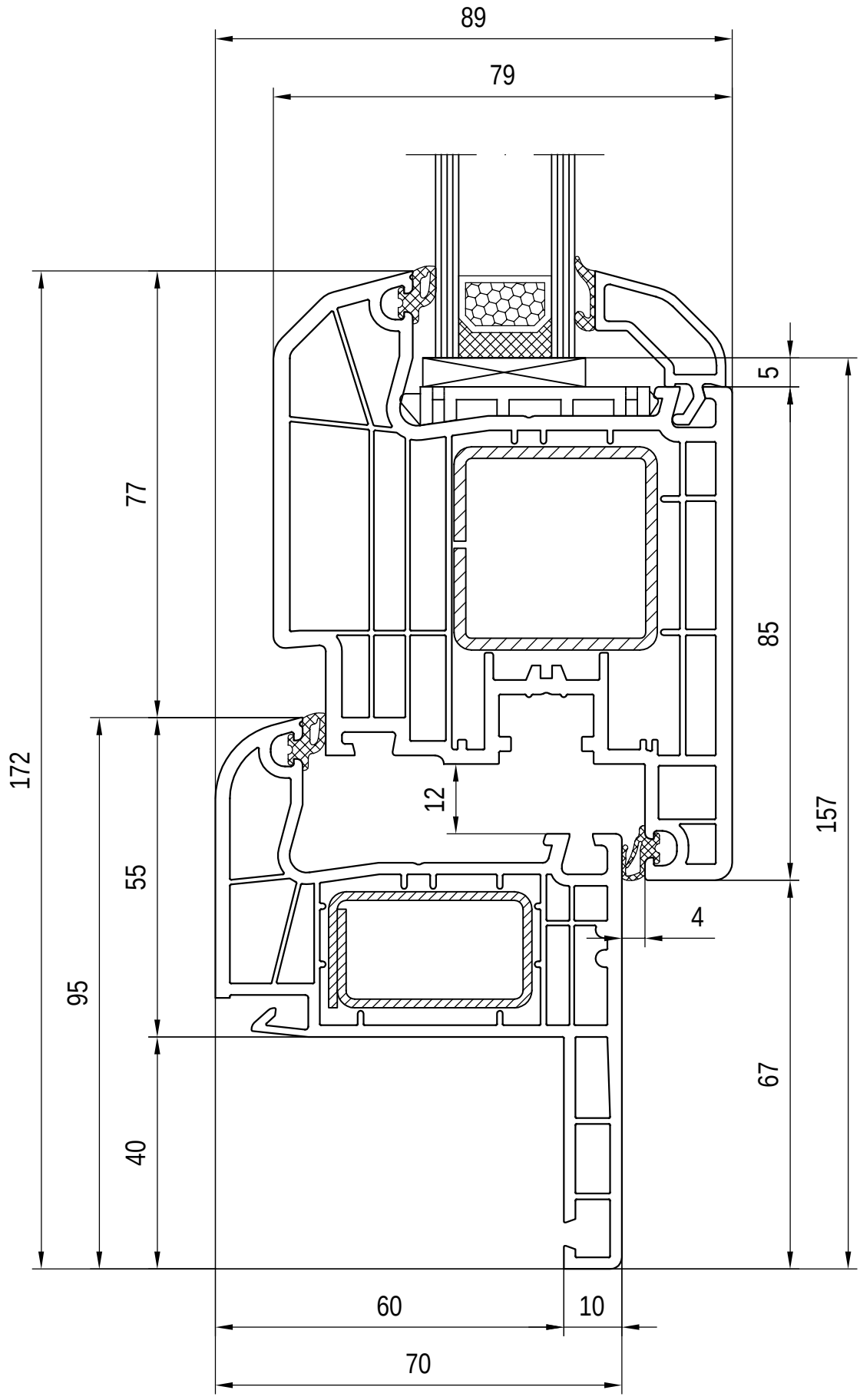

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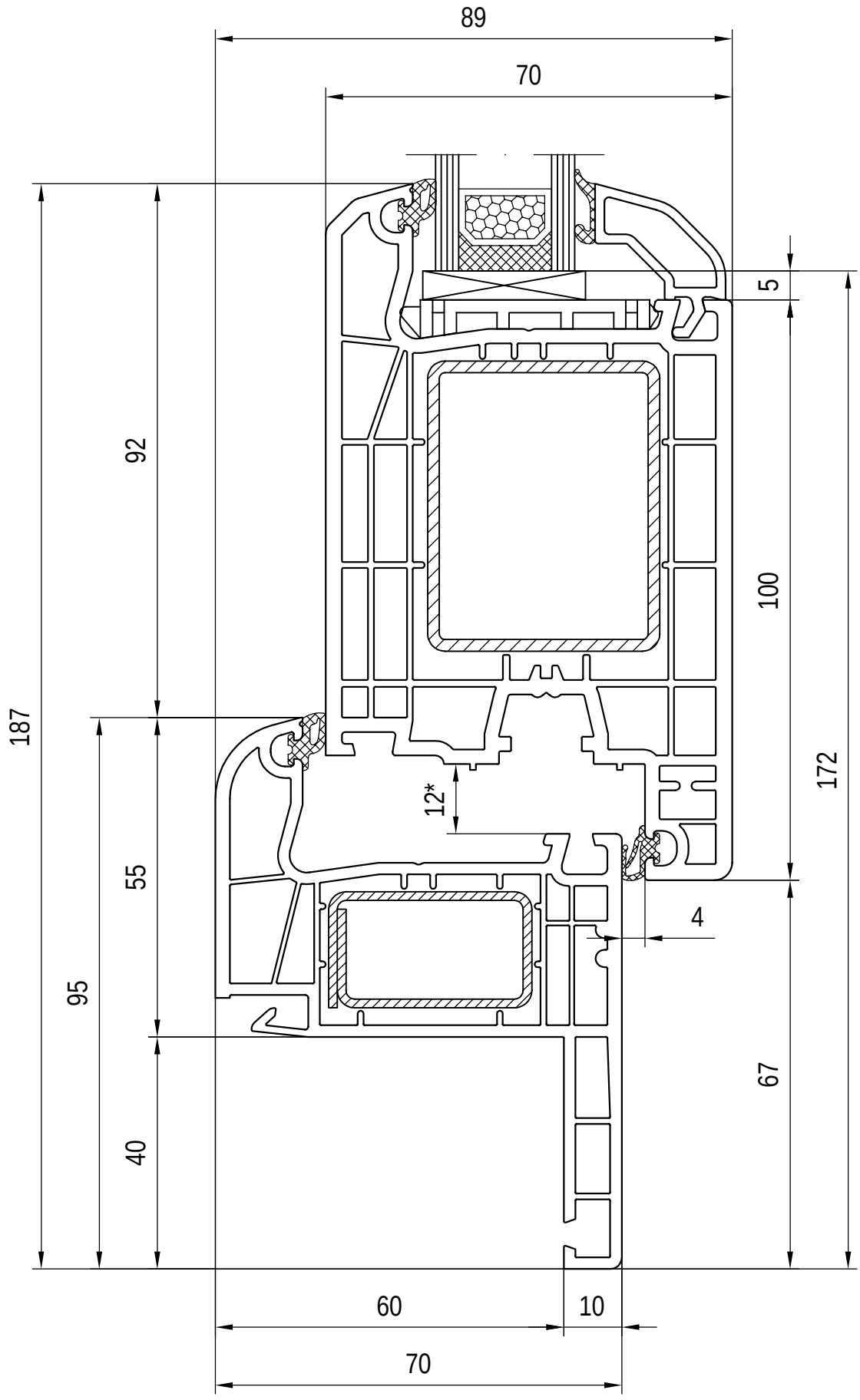

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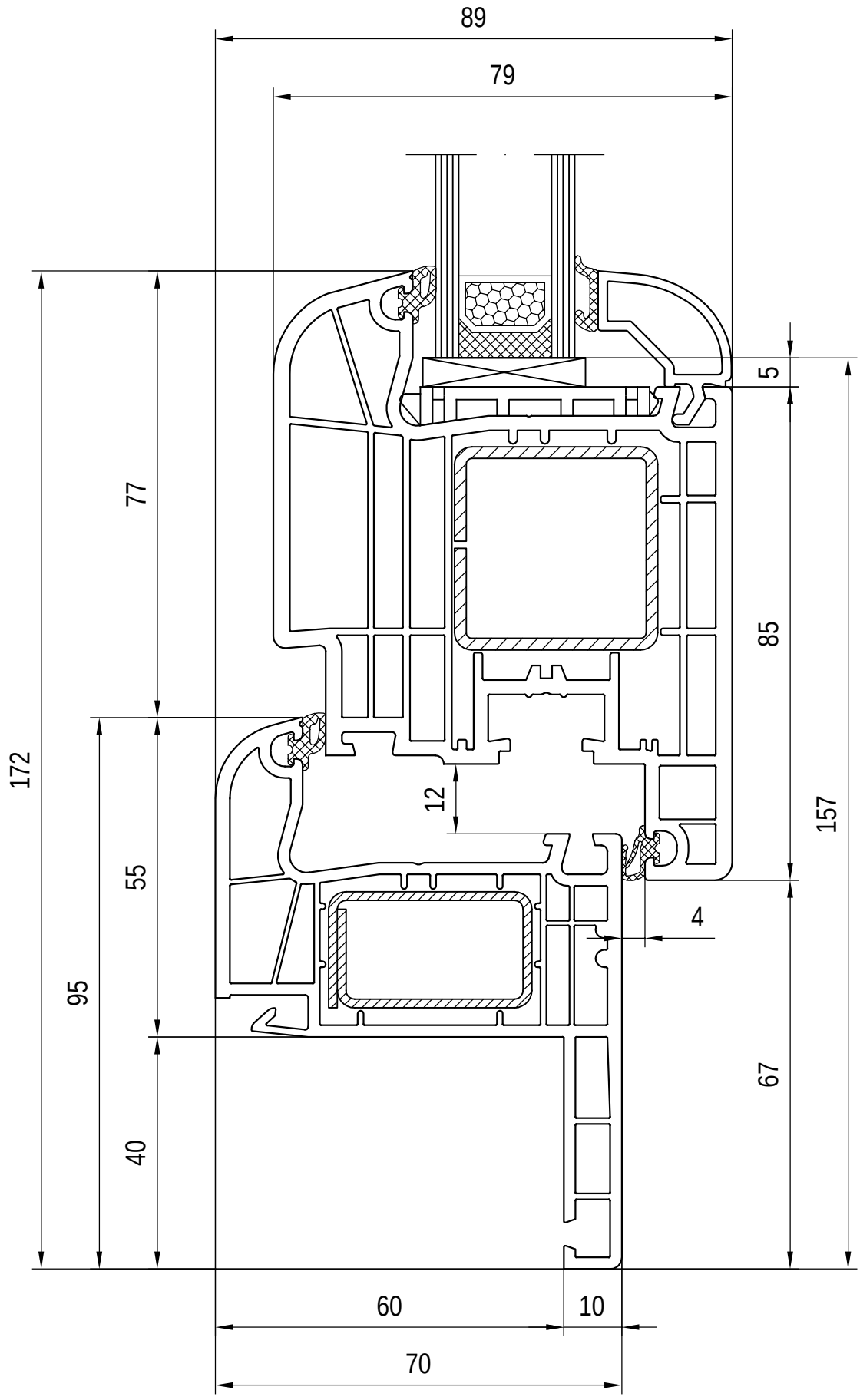

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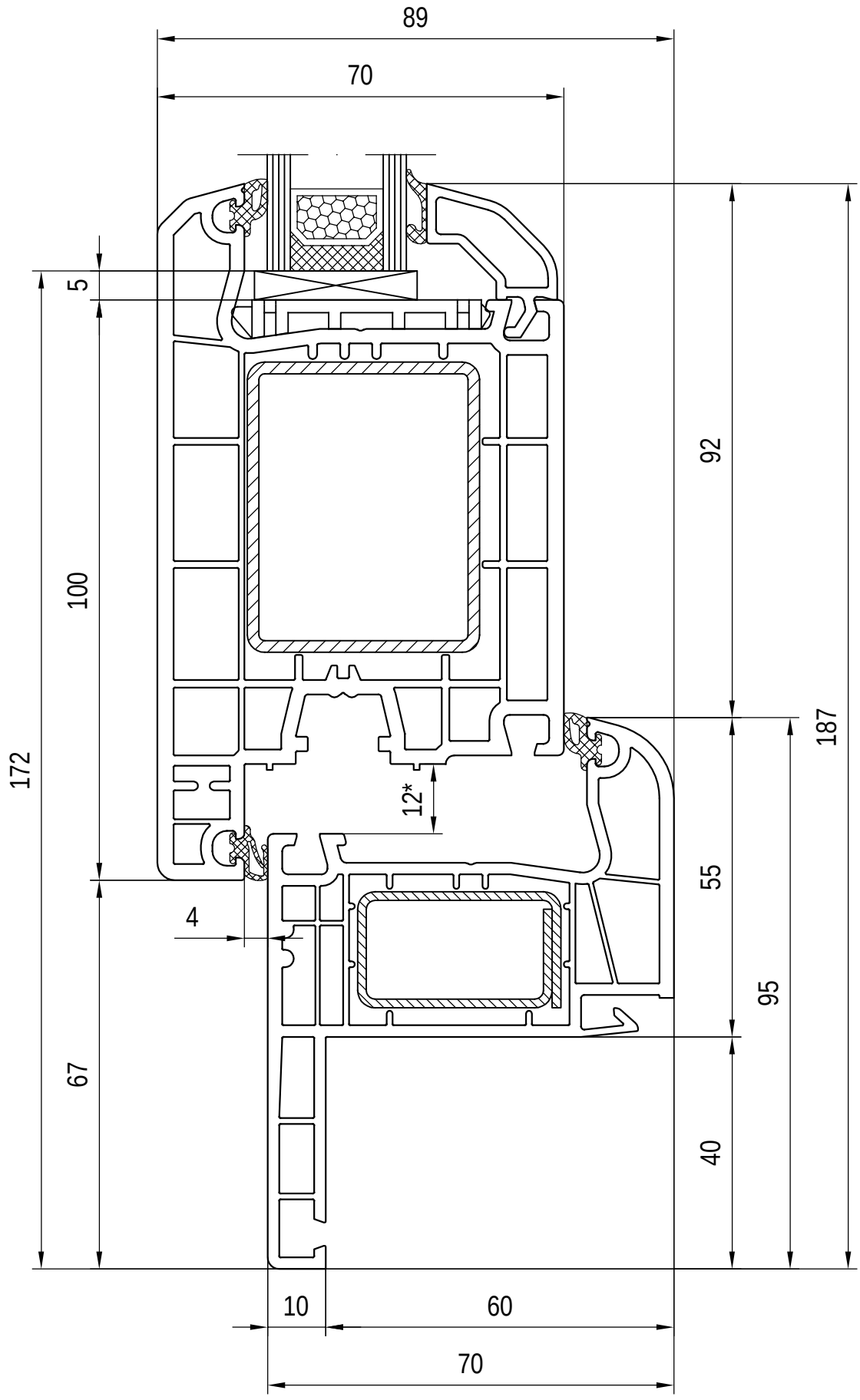

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* Falzluft bei Haustüren links und rechts = 13mm


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* Falzluft bei Haustüren links und rechts = 13mm

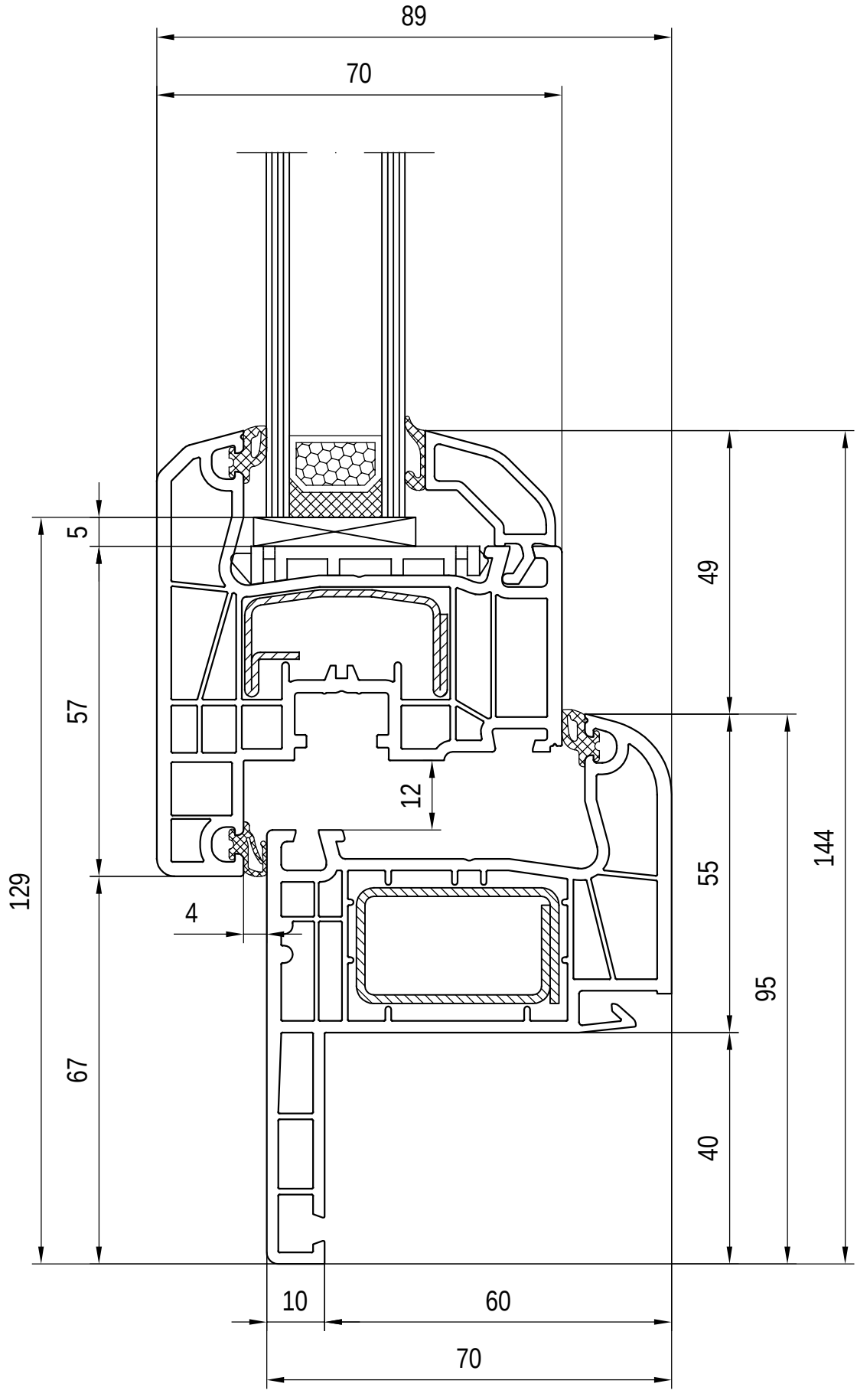
Technische Änderungen und Irrtümer vorbehalten!

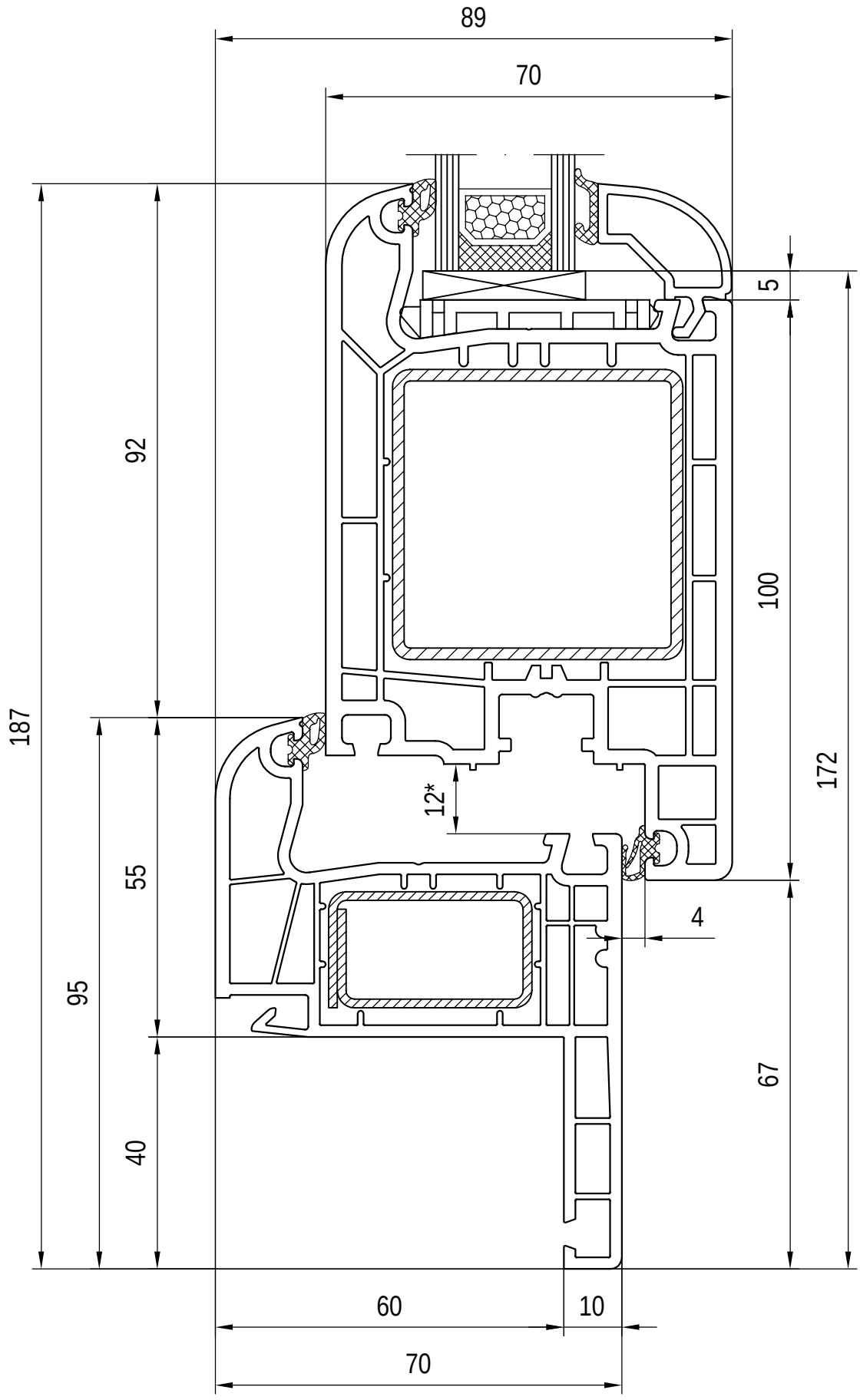
Maßstab: 1:1
03_D_01_4*

Kombinationen: Rahmen - Flügel

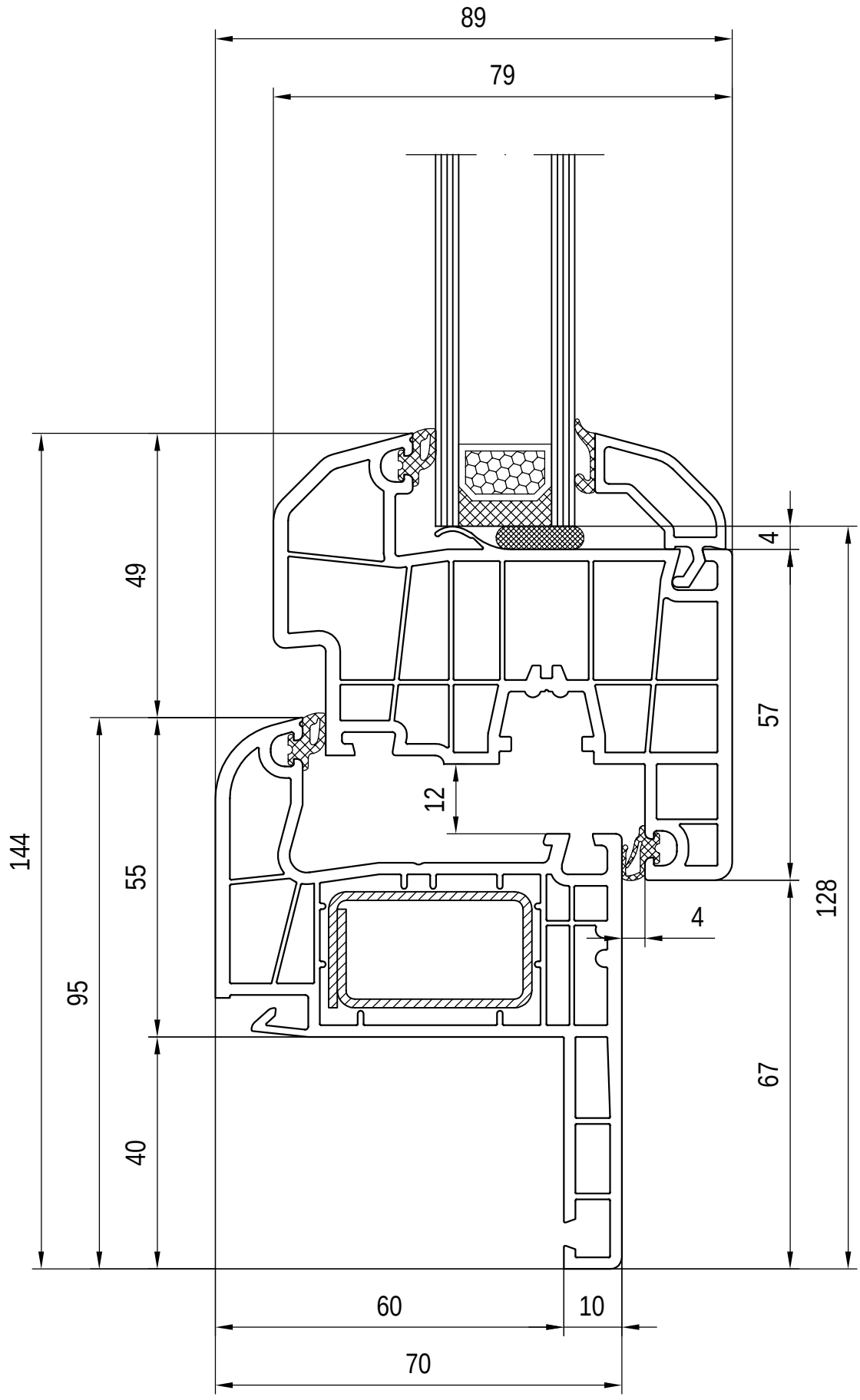
Glasleiste 120846/120876

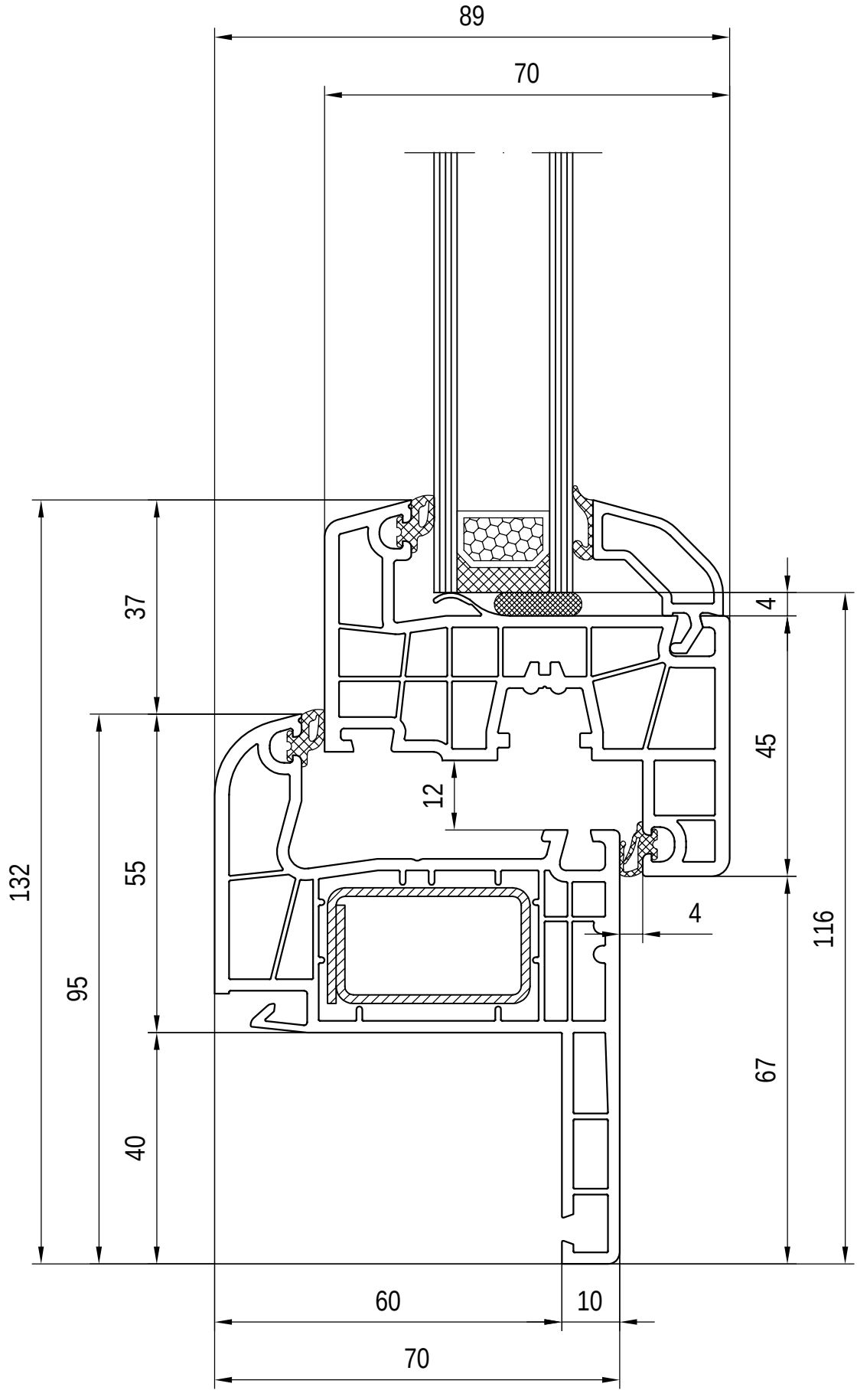
Altbau-Rahmen 140x11
Flügel 140x35

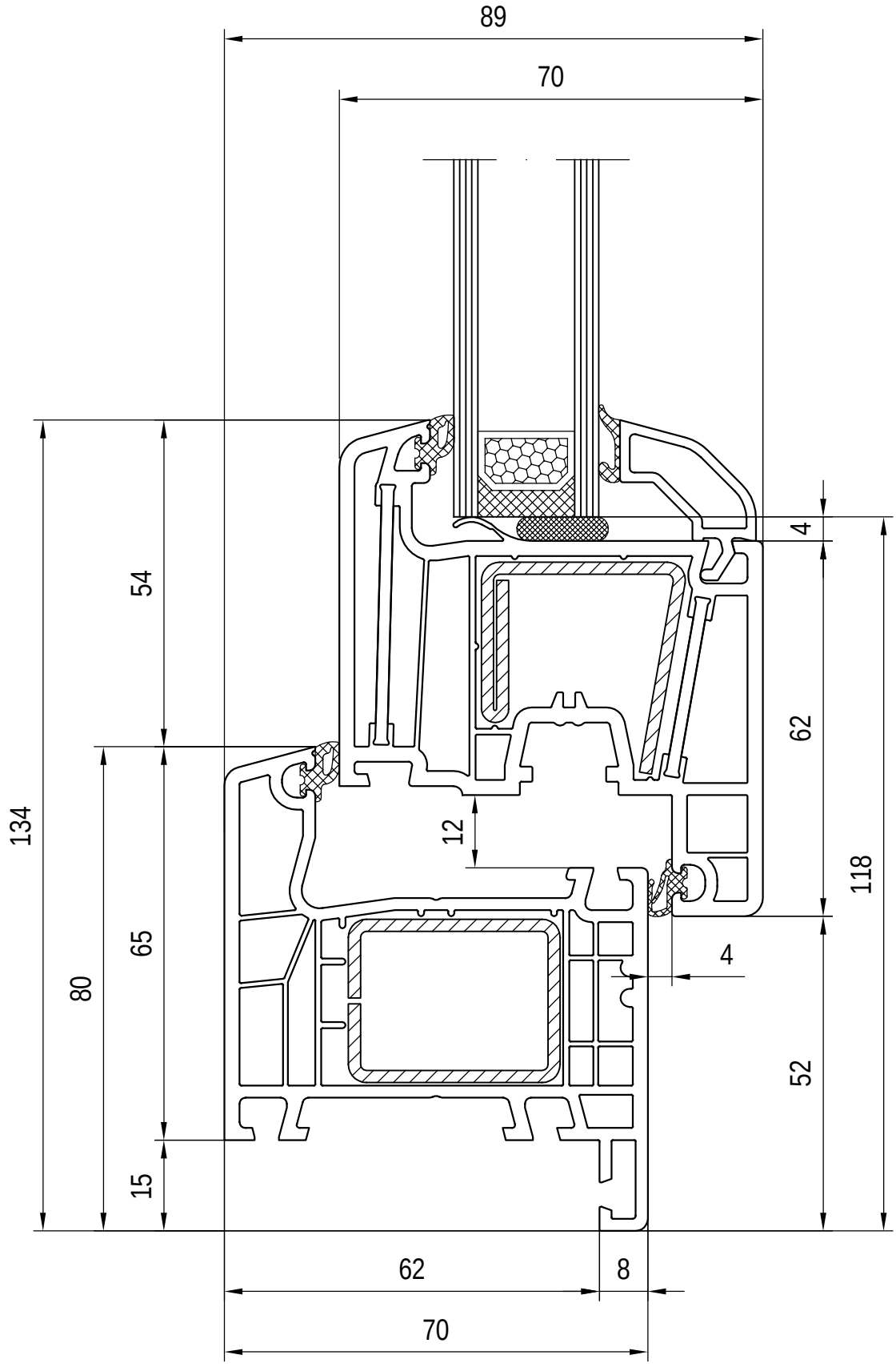

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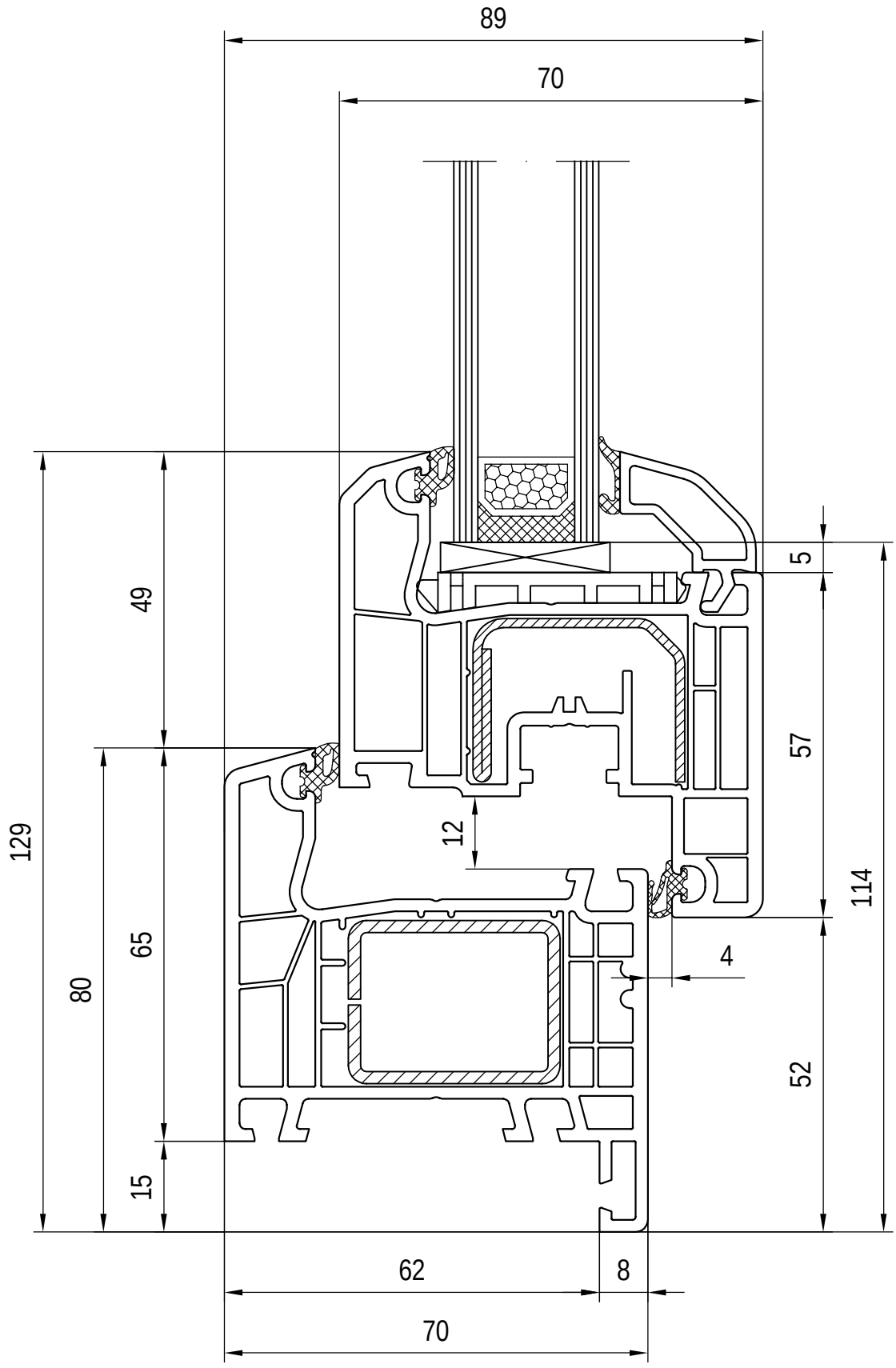


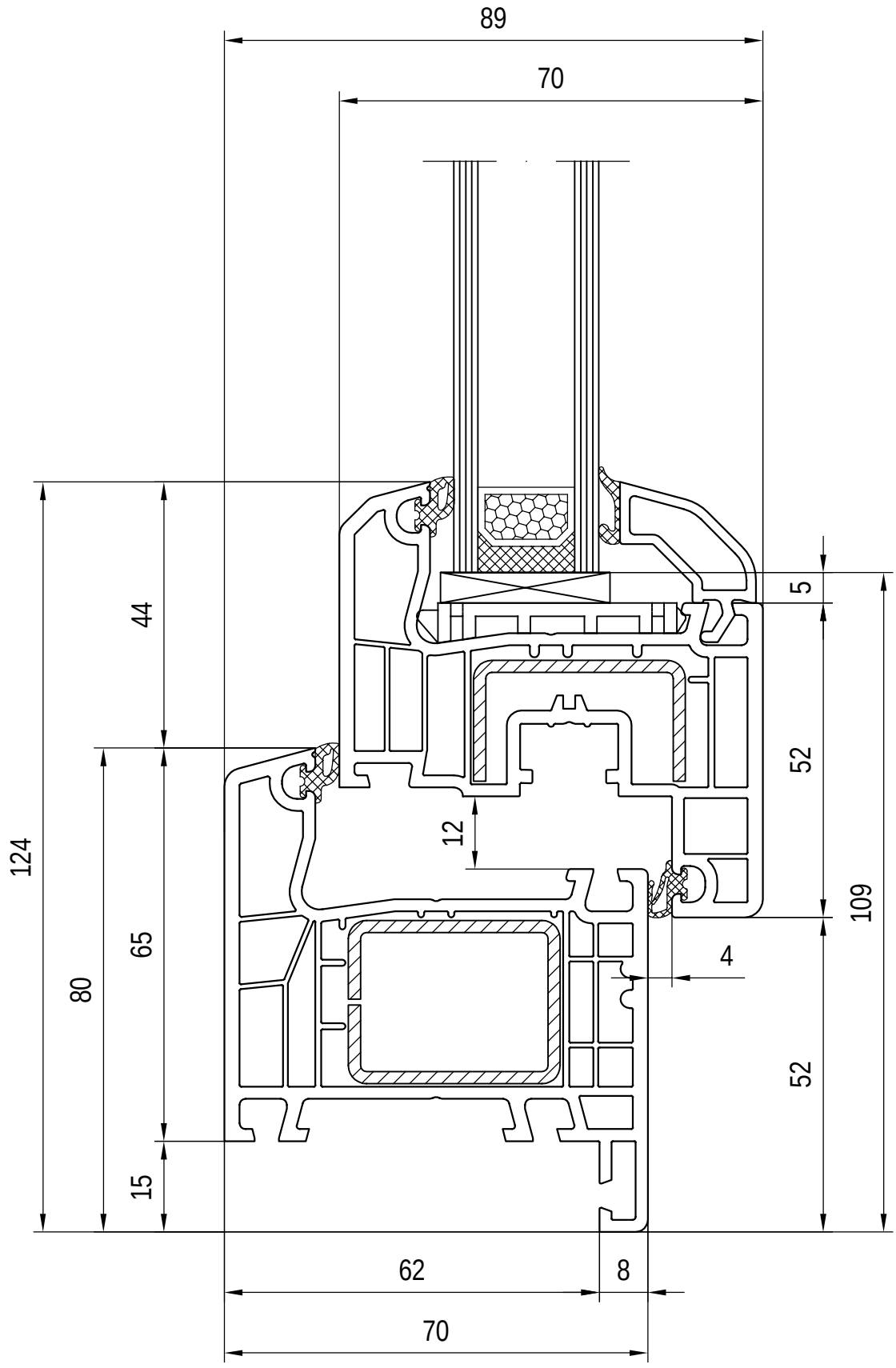
* Falzluft bei Haustüren links und rechts = 13mm

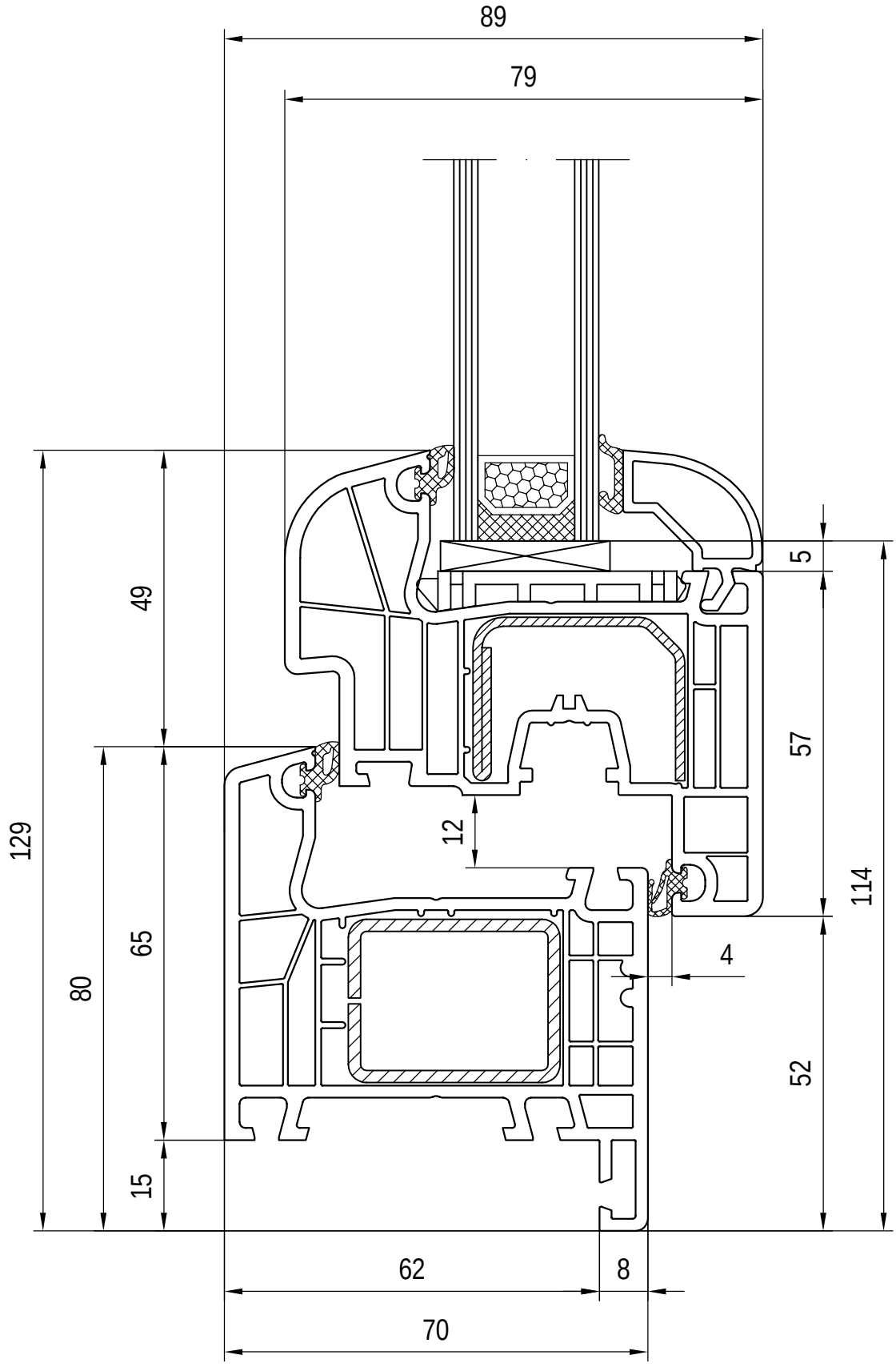

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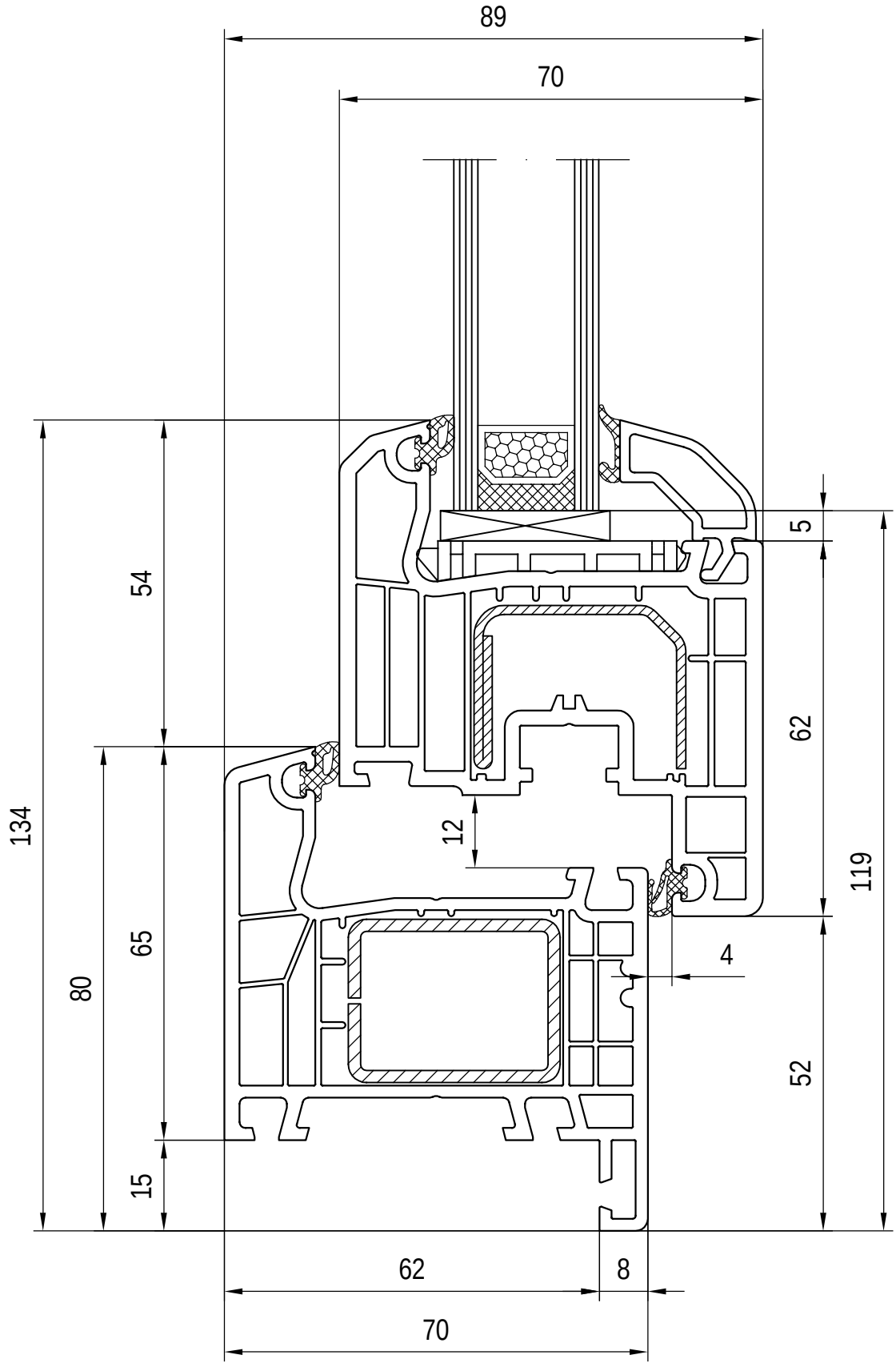

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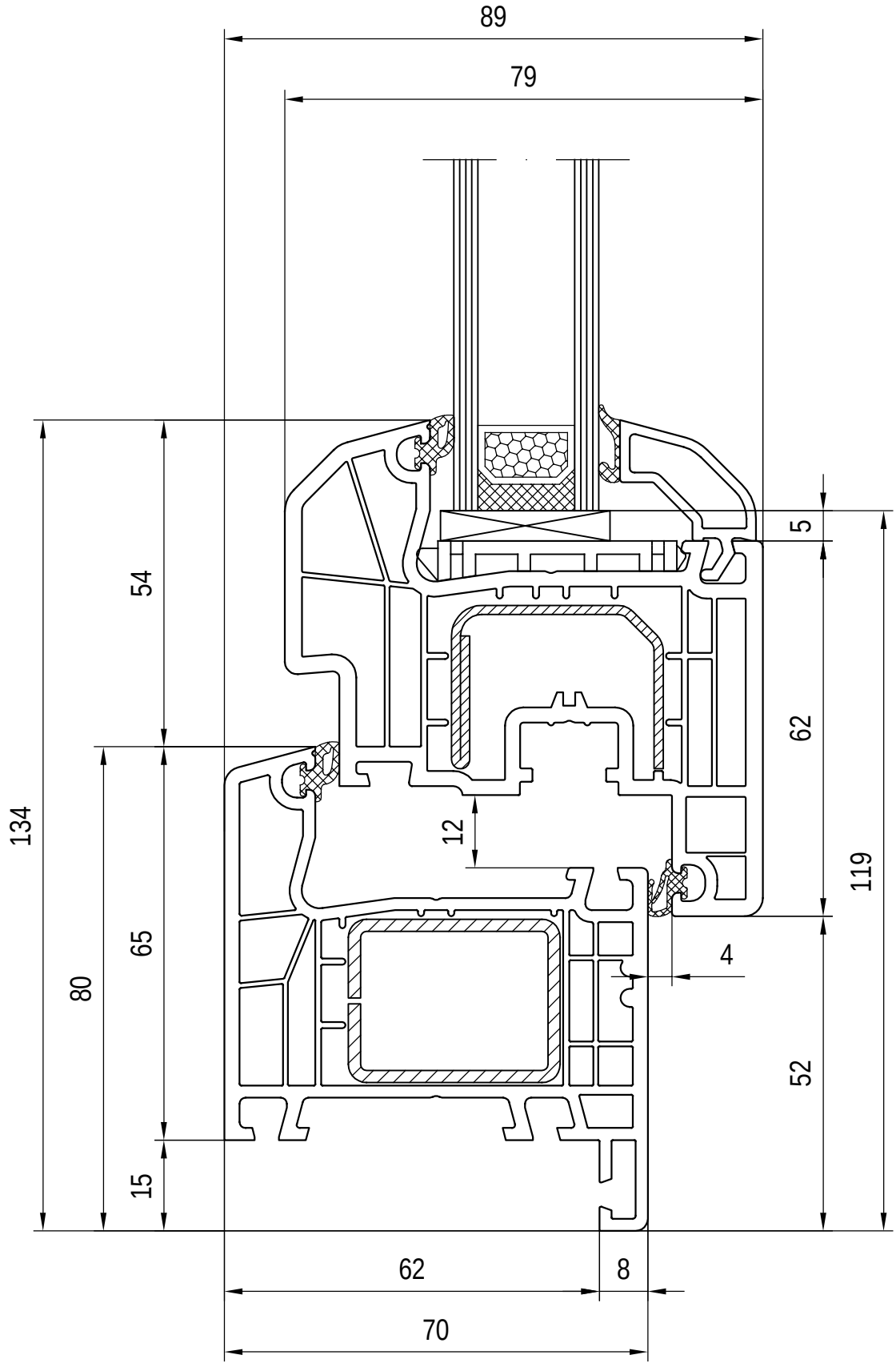

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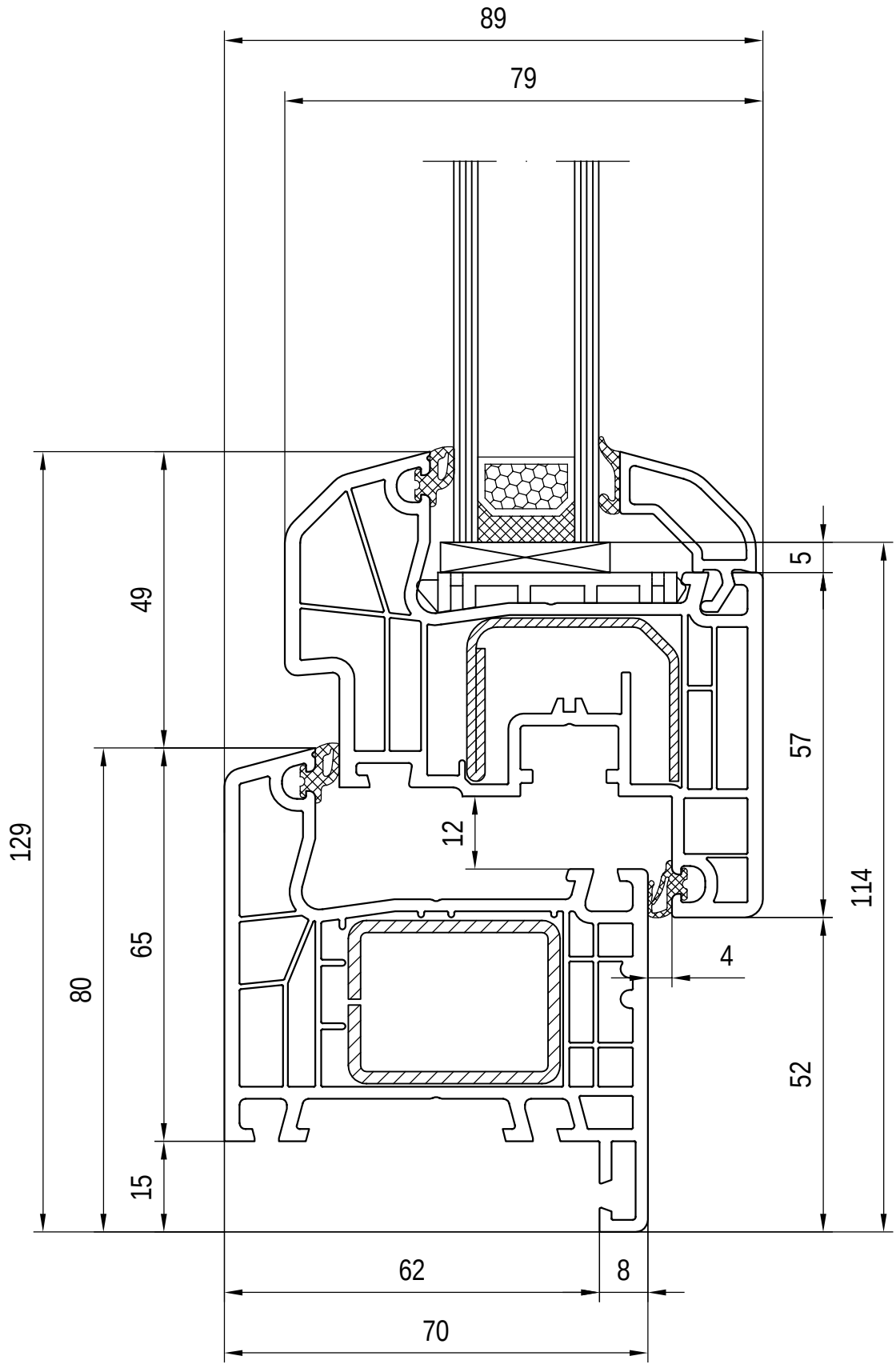

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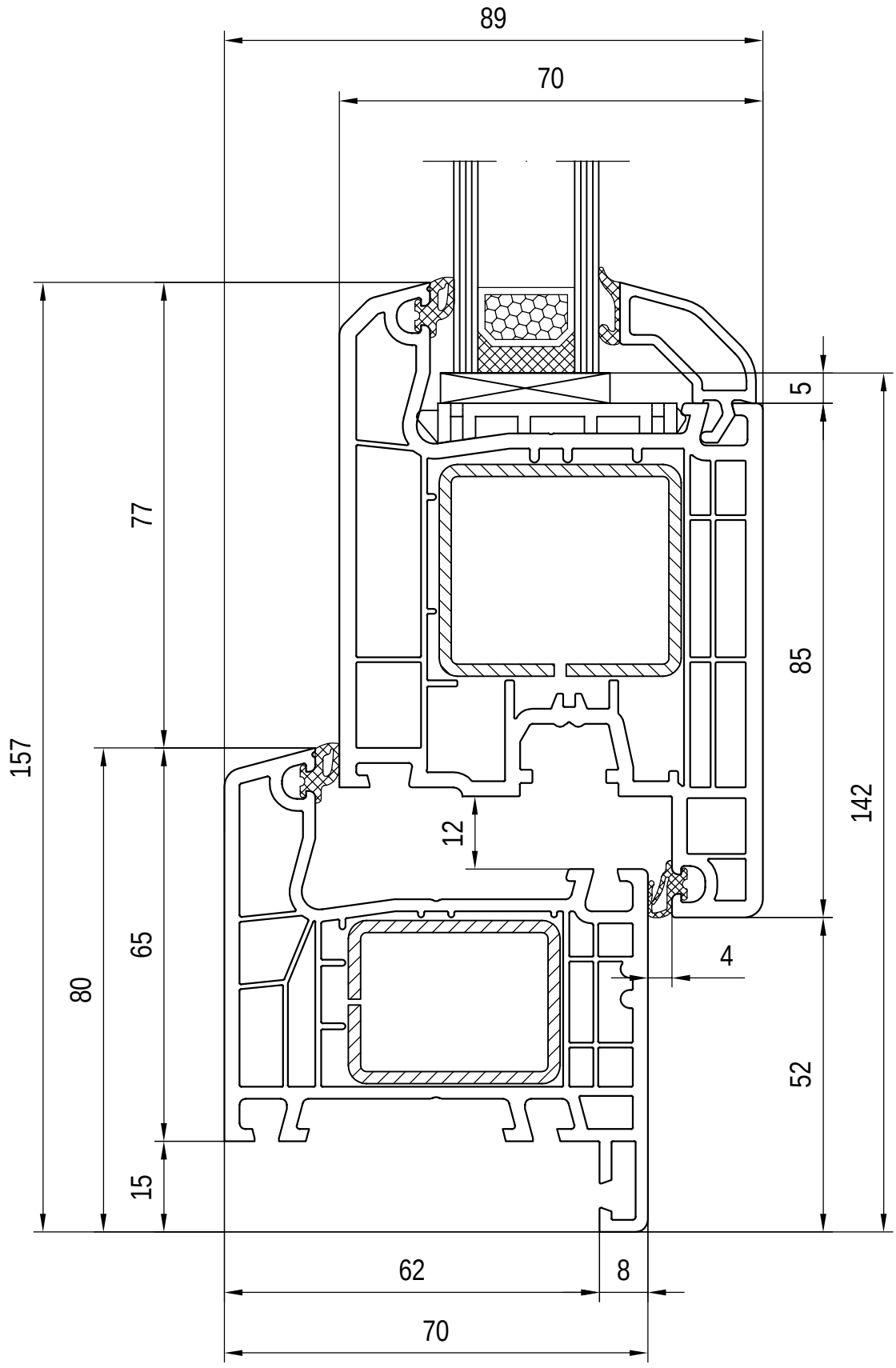

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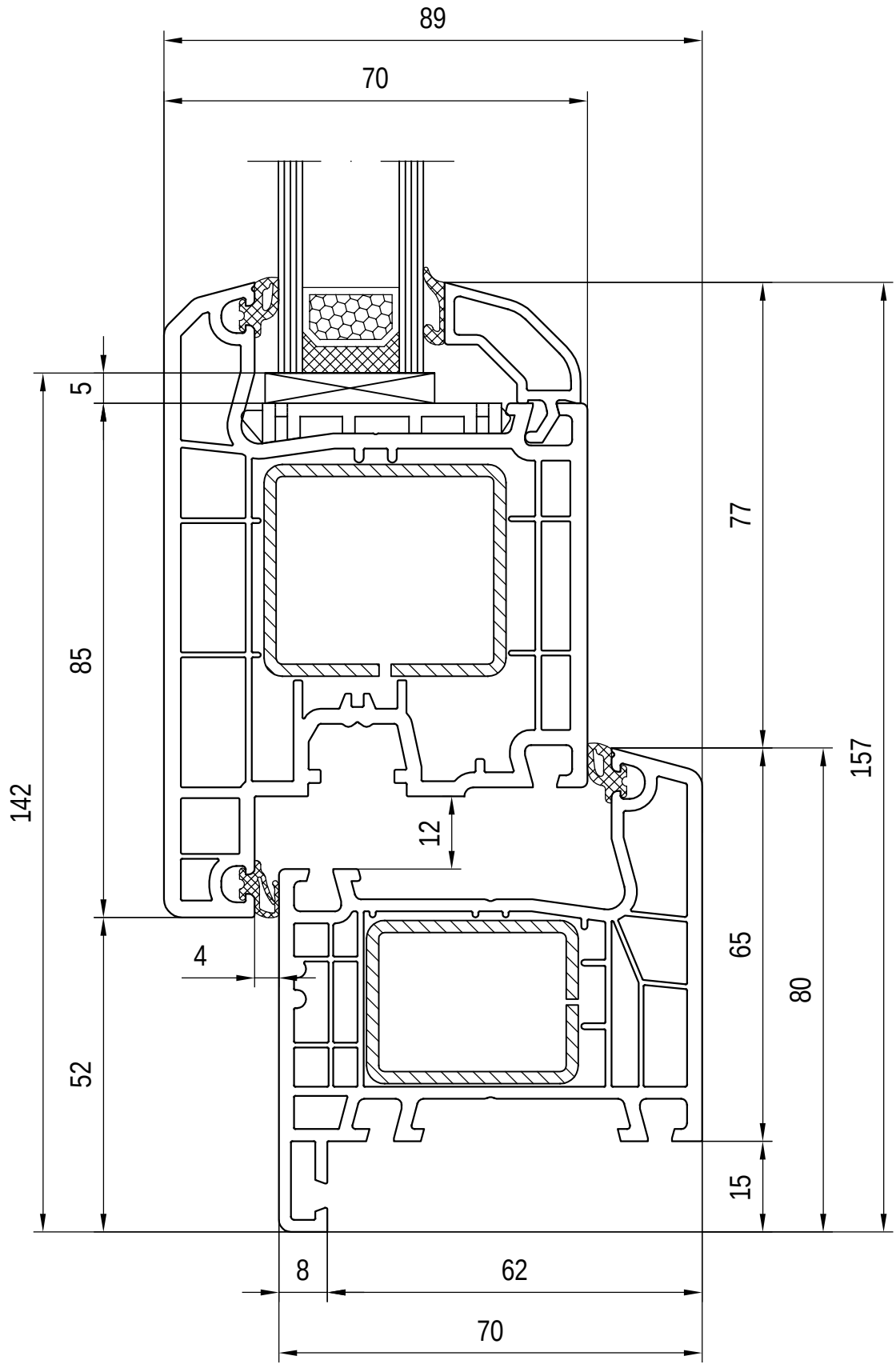

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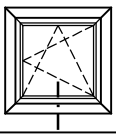

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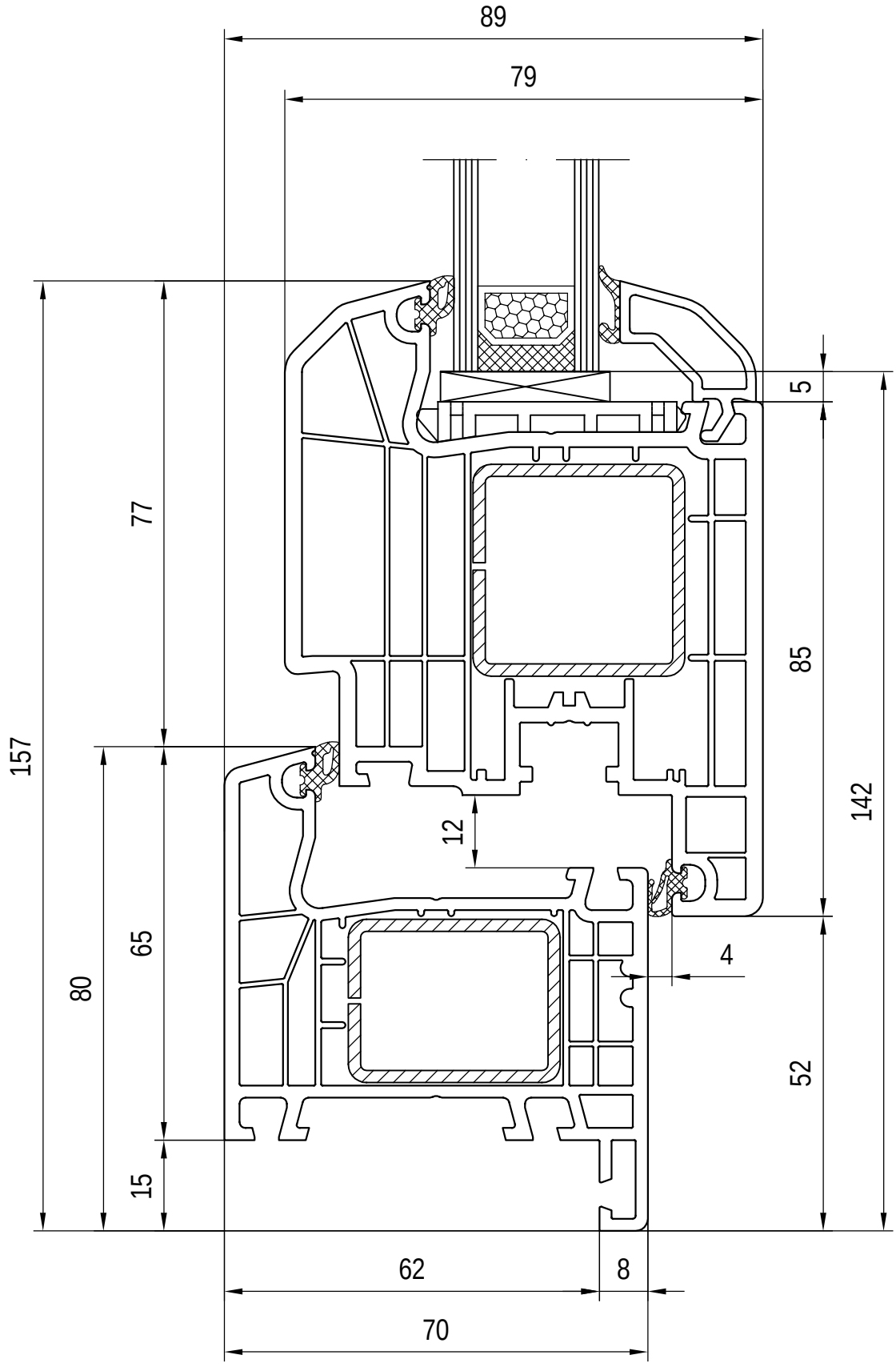

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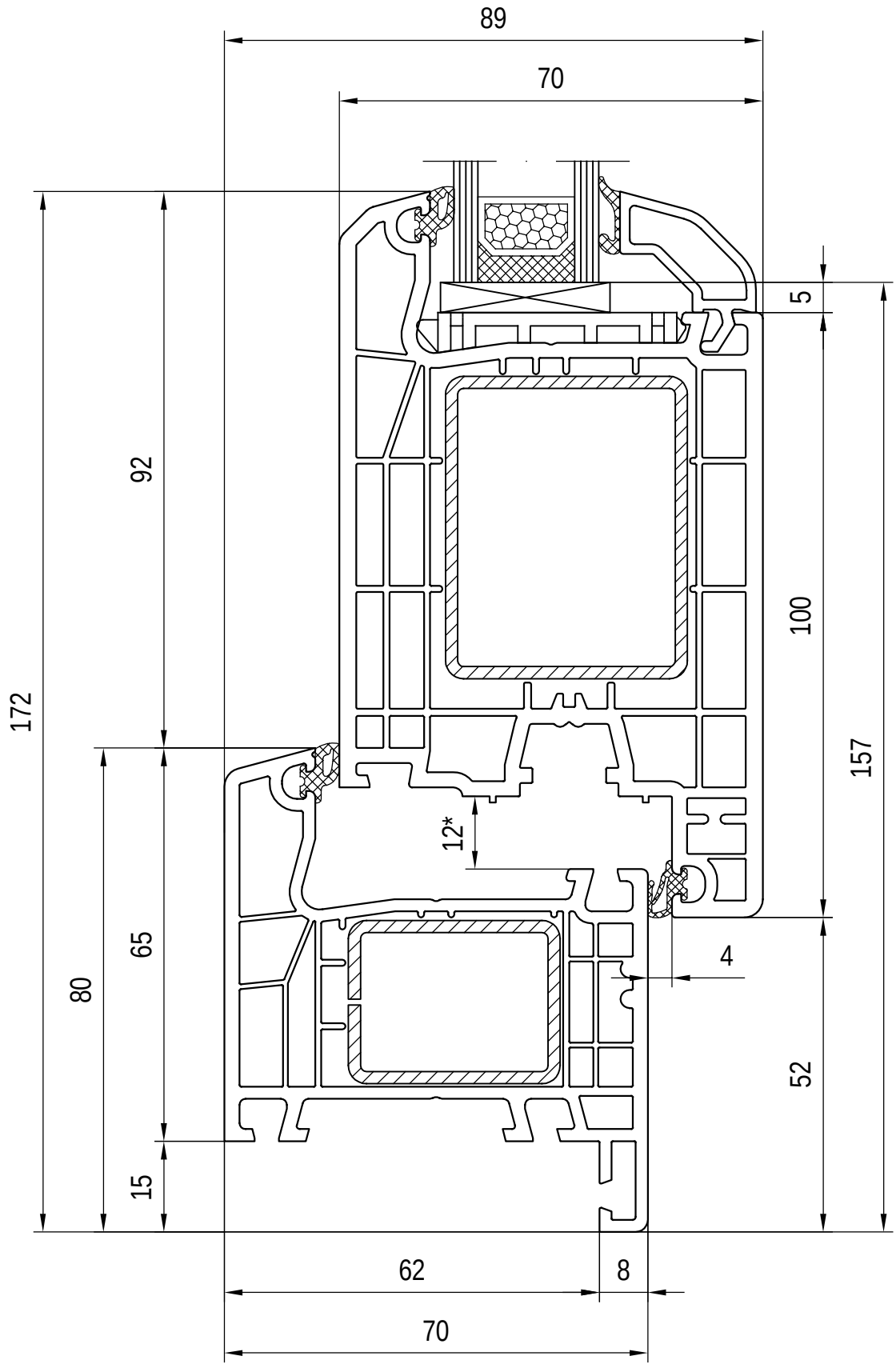

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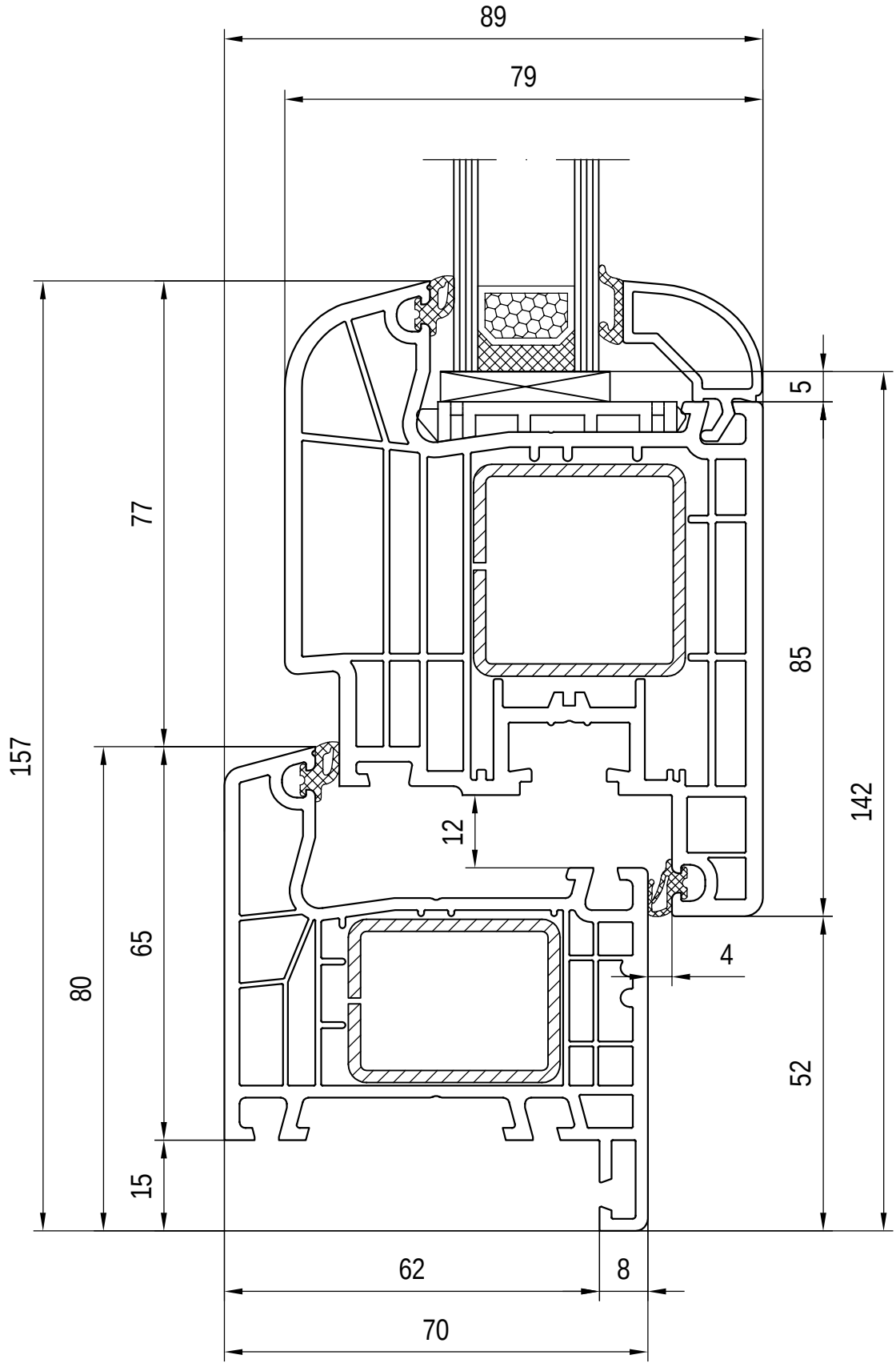


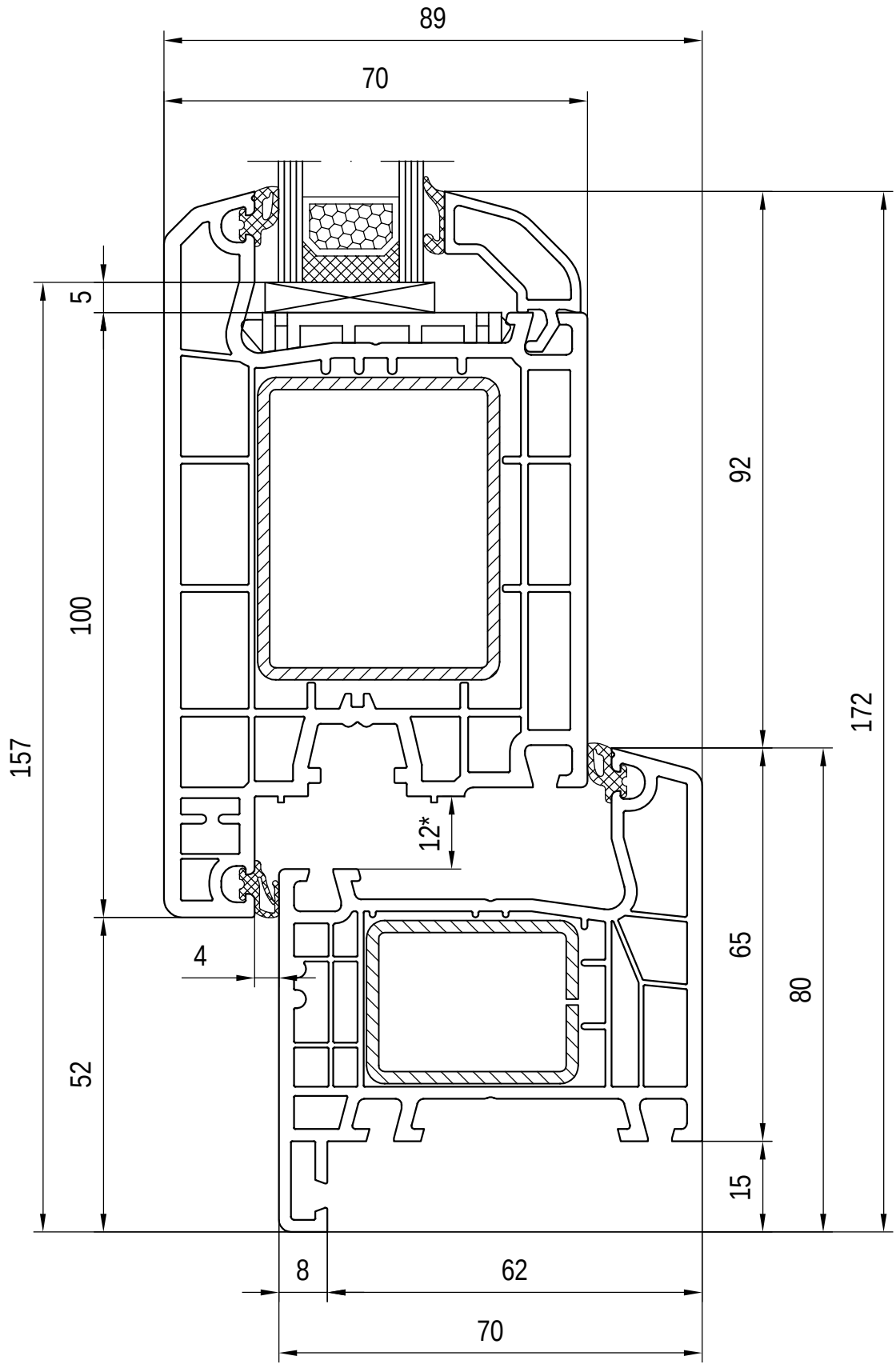
* Falzluft bei Haustüren links und rechts = 13mm

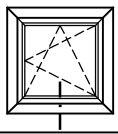
Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

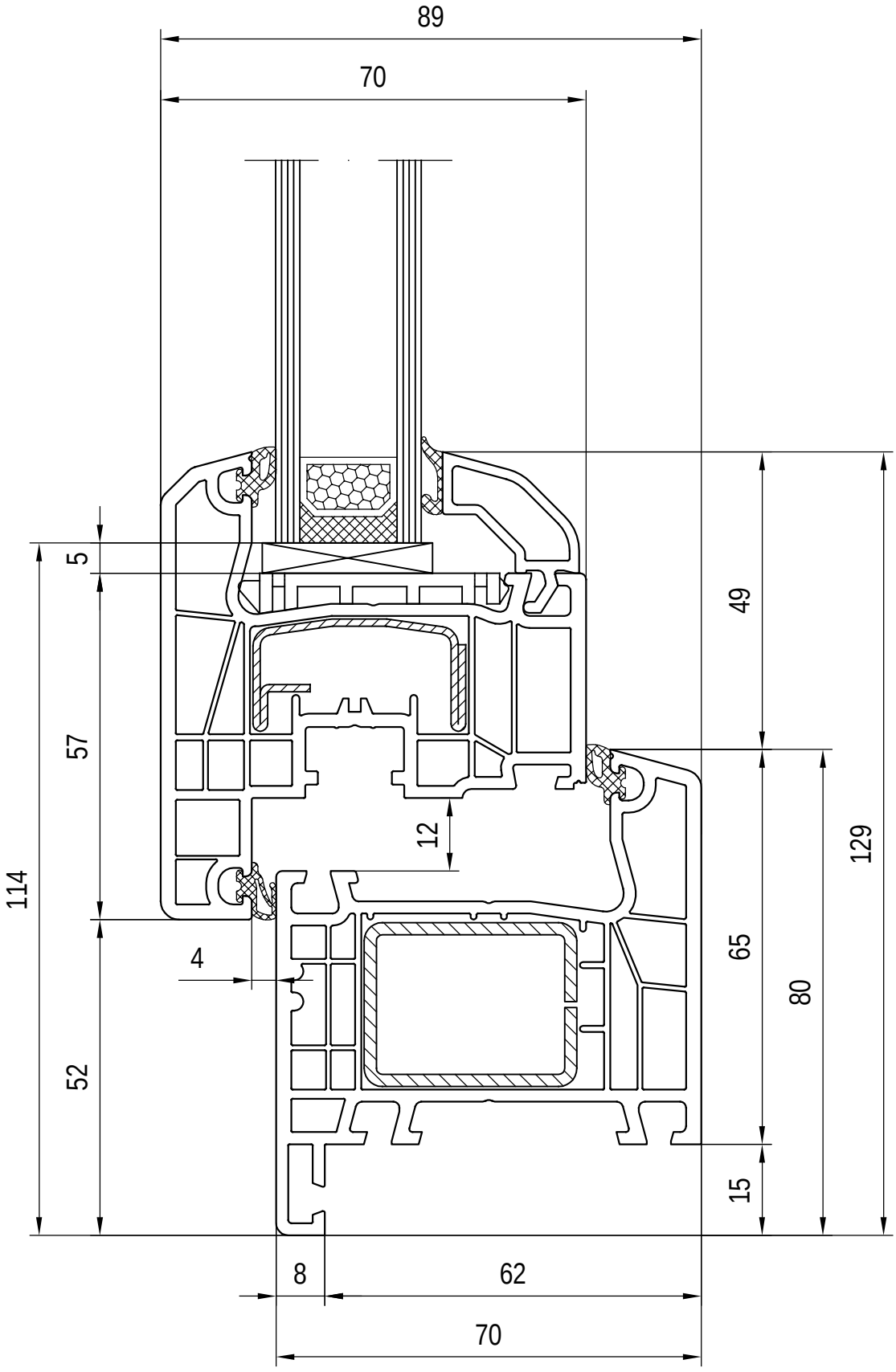
(MB)-Rahmen 140x12
Flügel 140x33

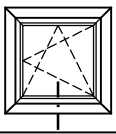

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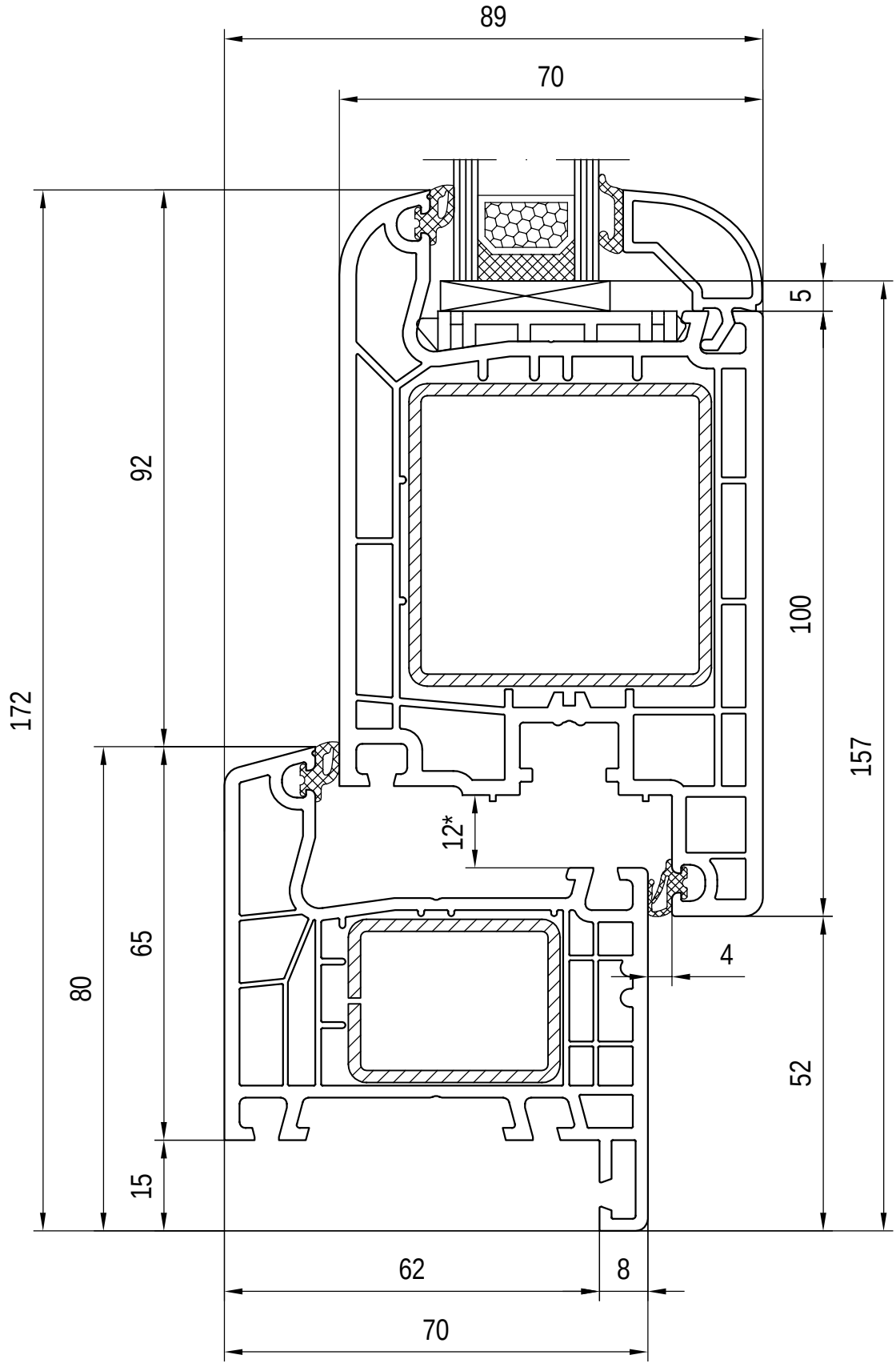




* Falzluft bei Haustüren links und rechts = 13mm


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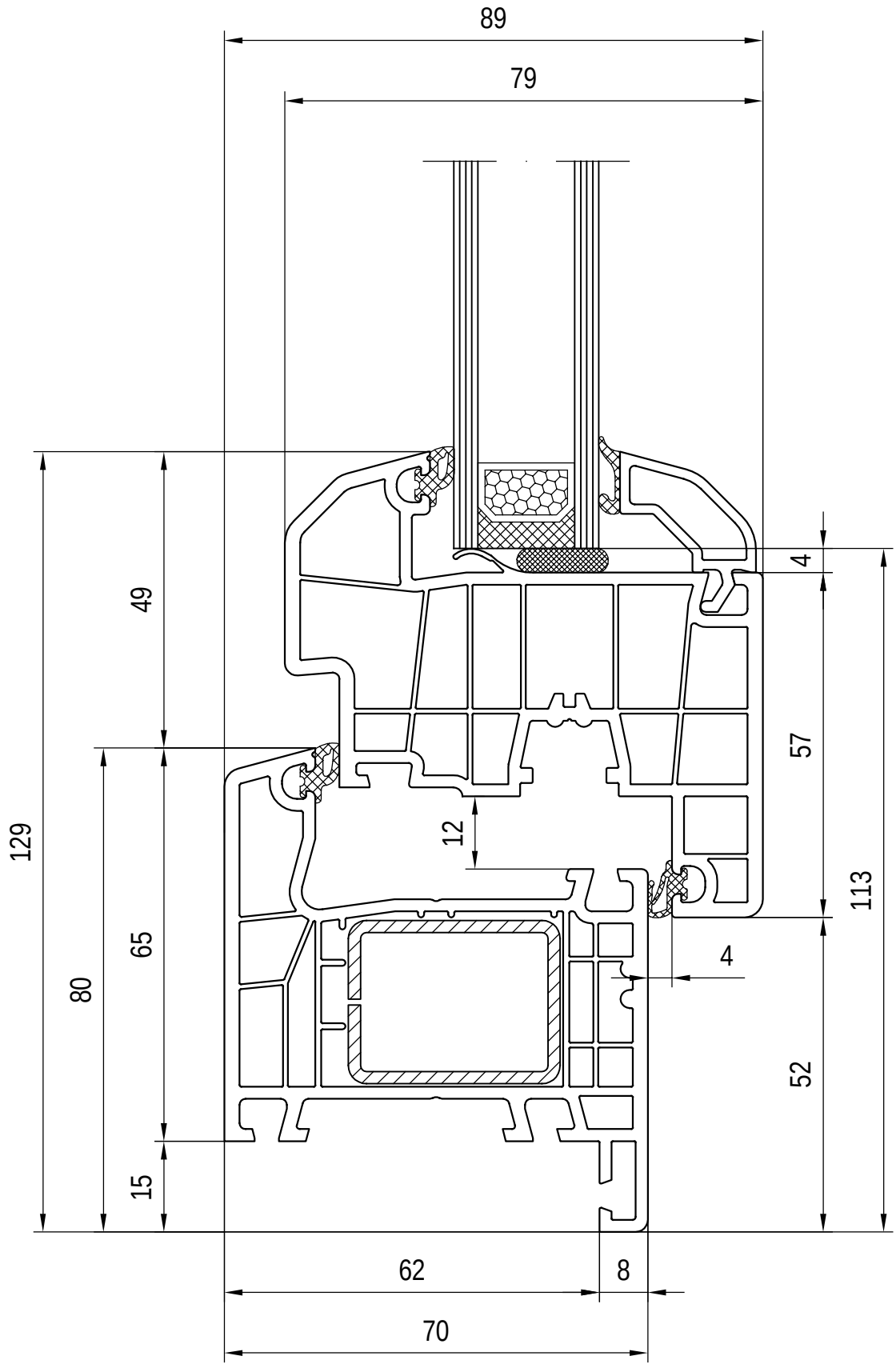


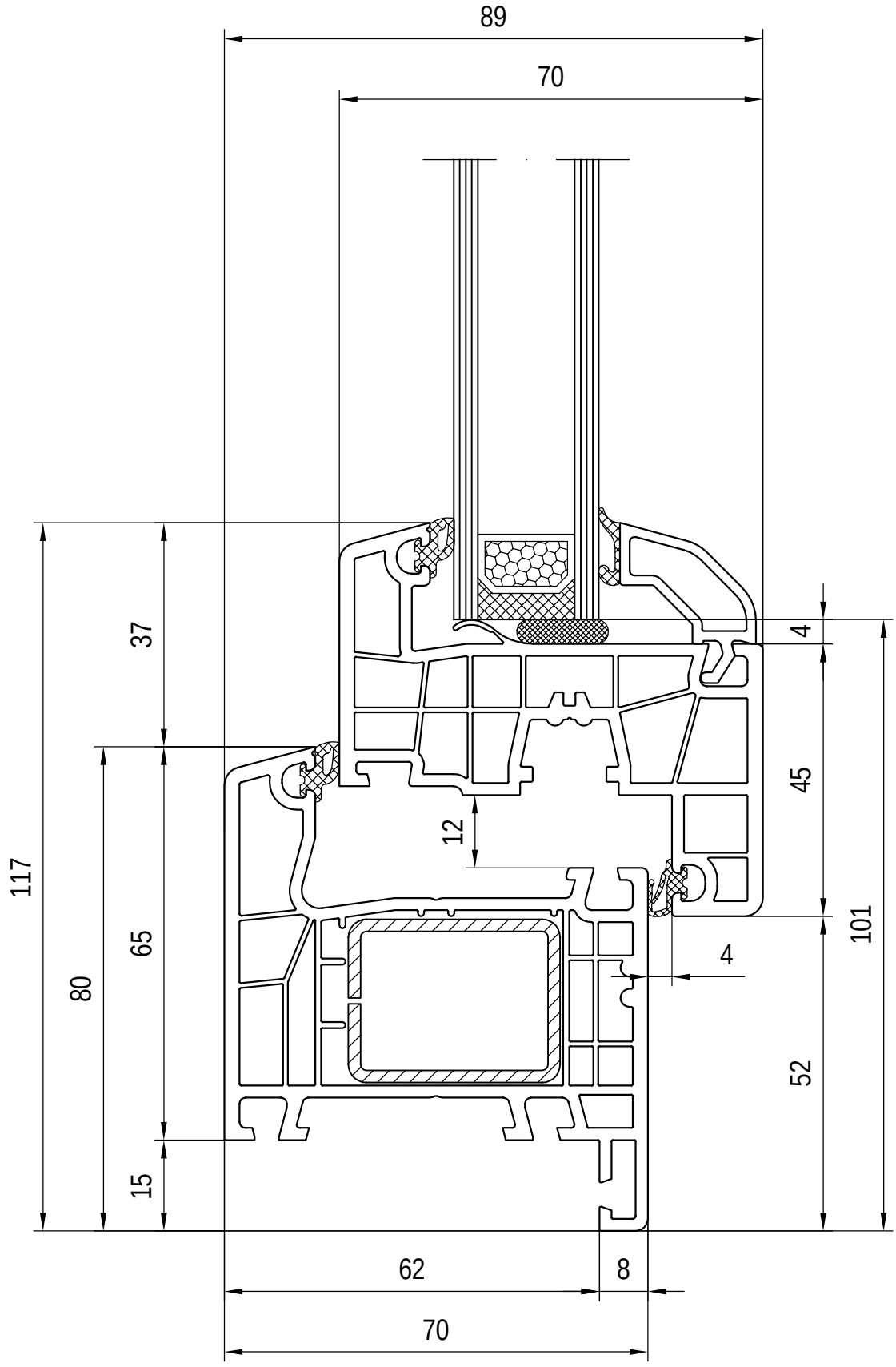
* Falzluft bei Haustüren links und rechts = 13mm

Kombinationen: Rahmen - Flügel

Glasleiste 120850/120880

(MB)-Rahmen 140x12
Flügel 140x38

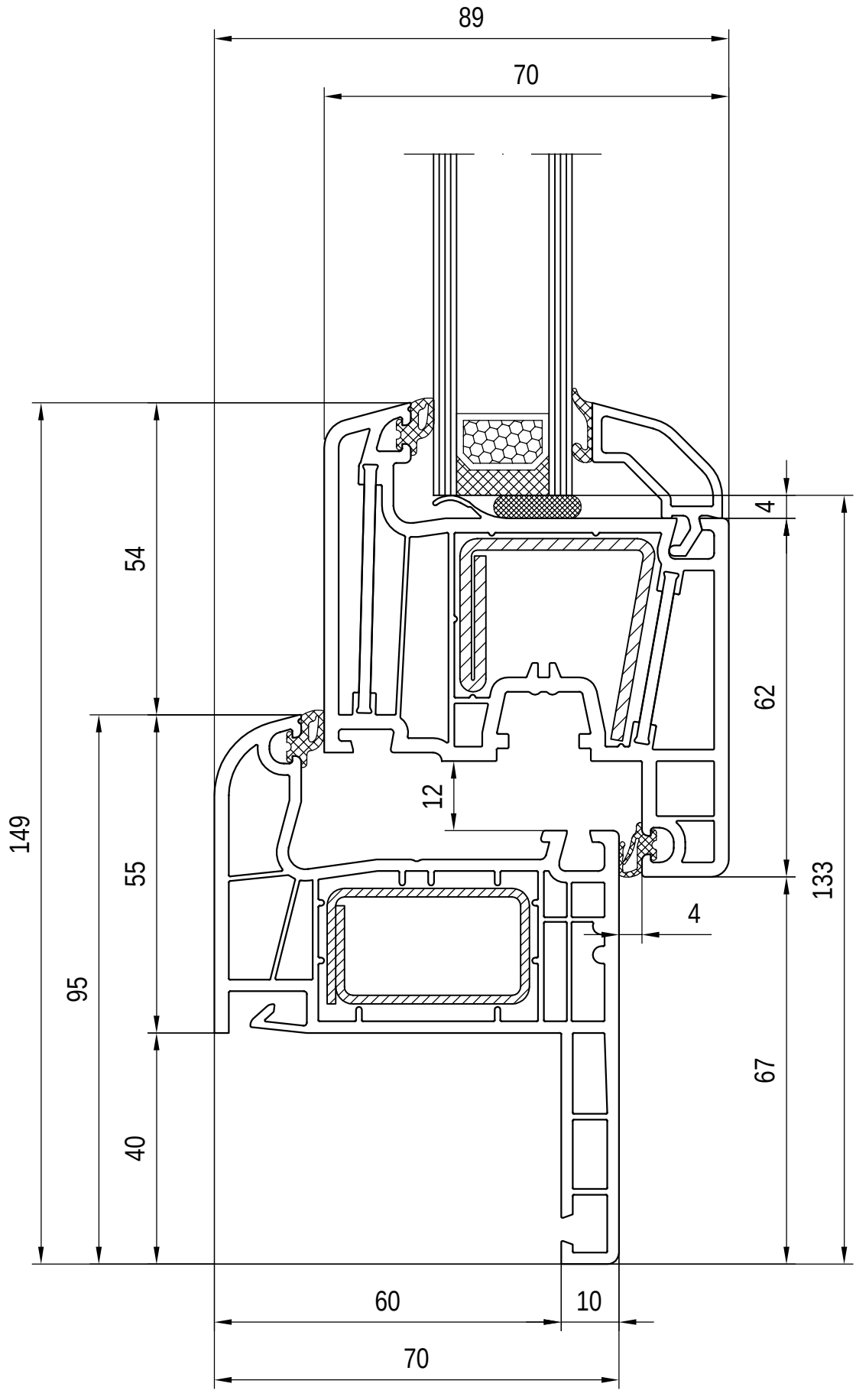

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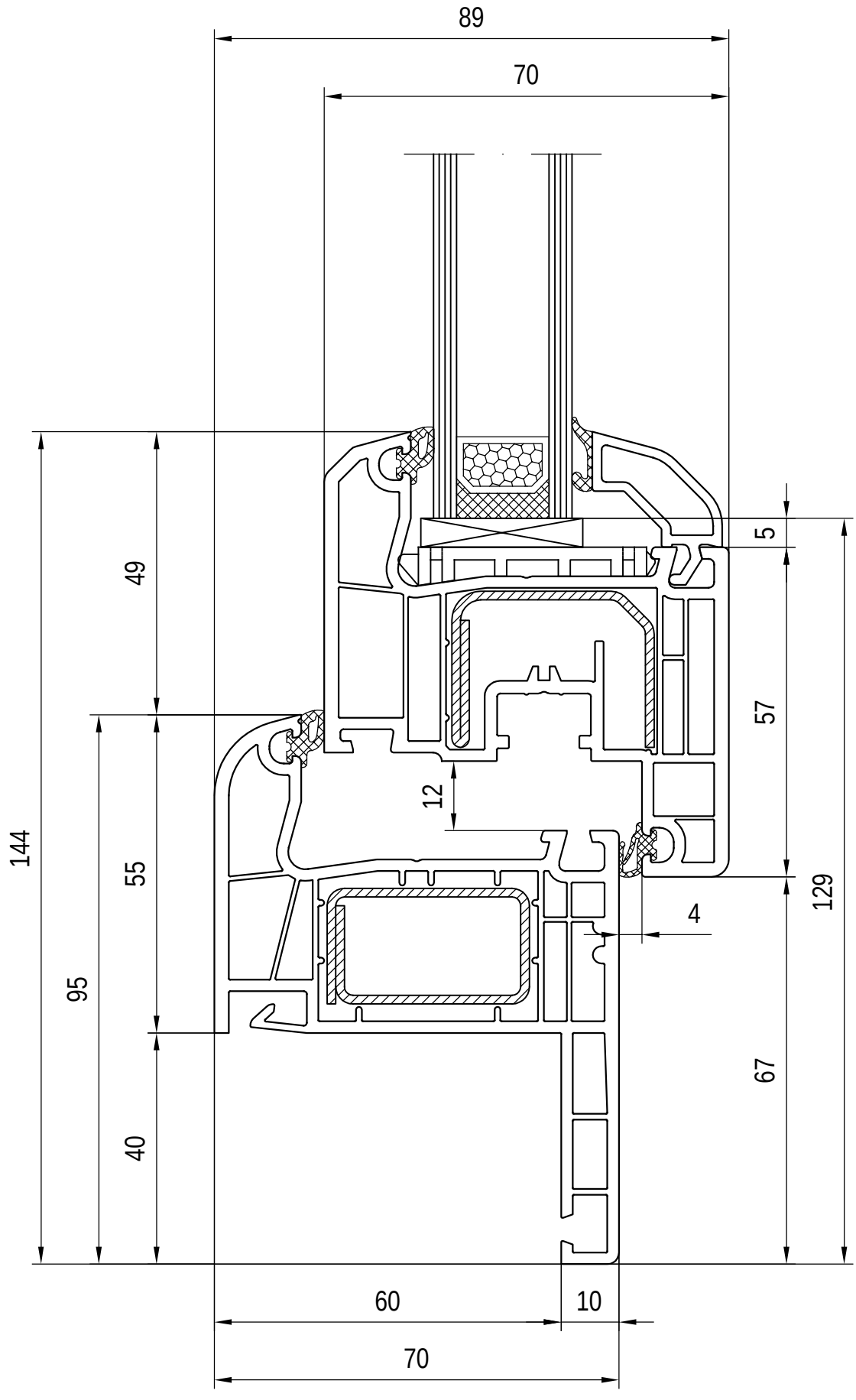


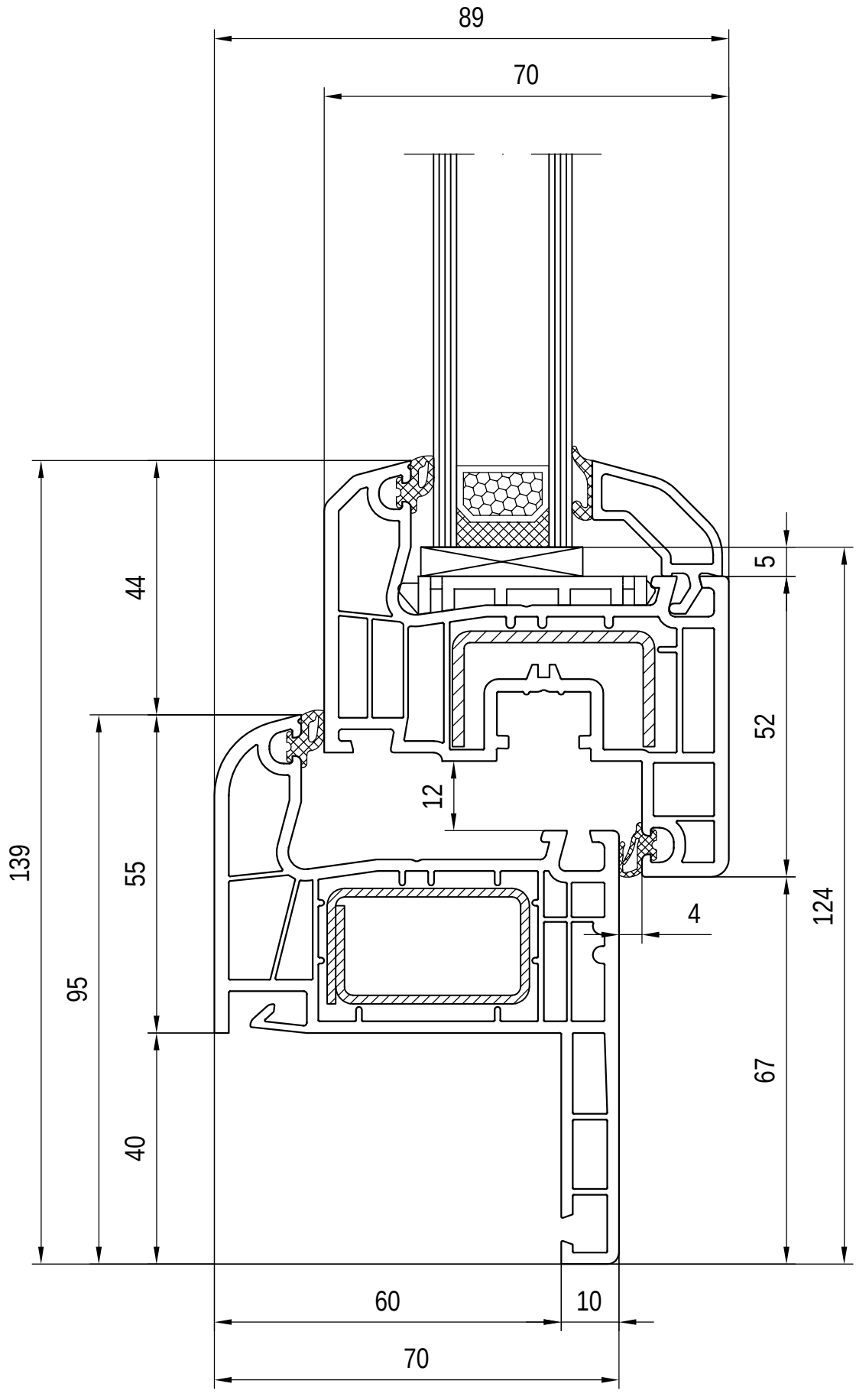
Kombinationen: Rahmen - Flügel

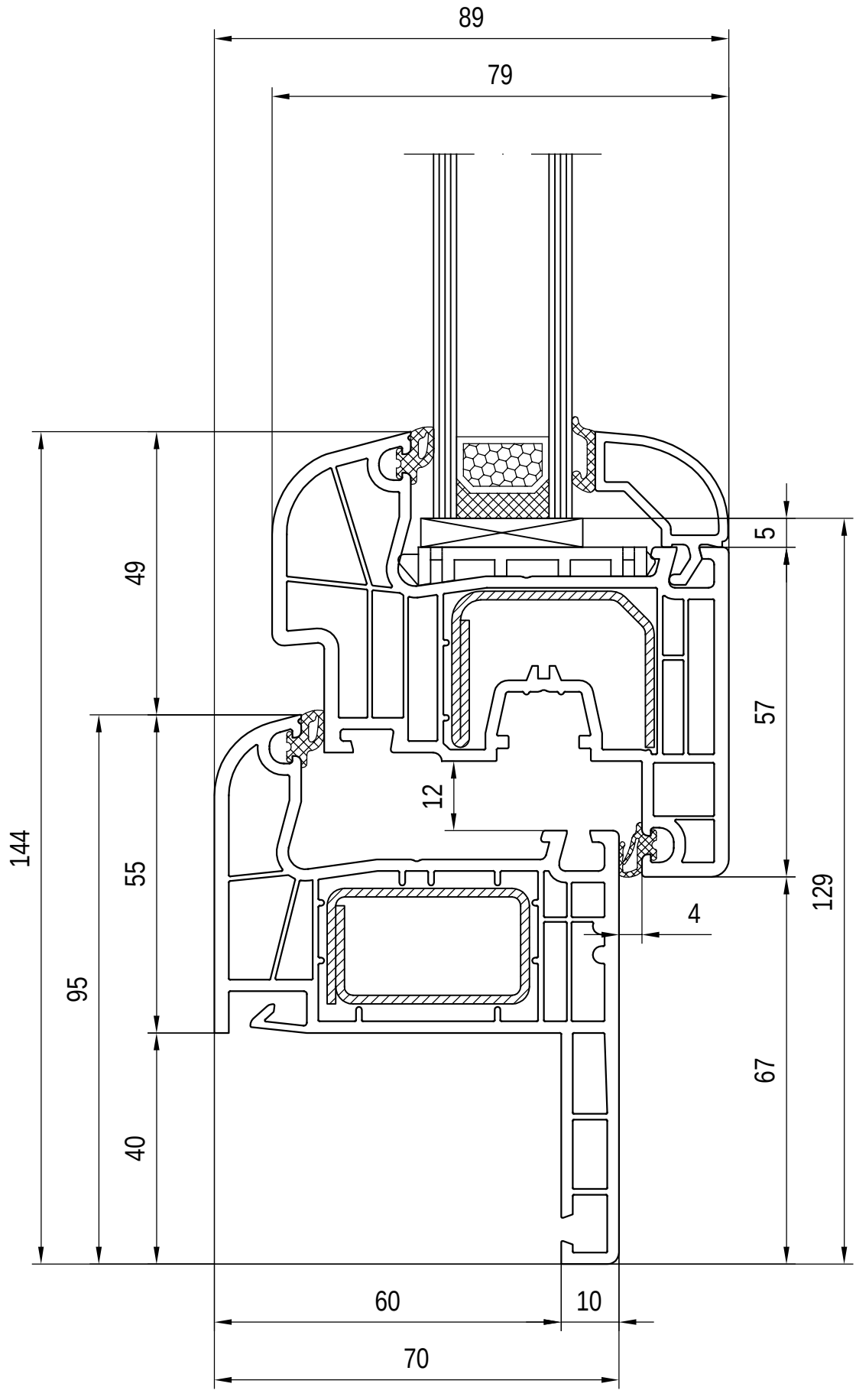
Glasleiste 120846/120876

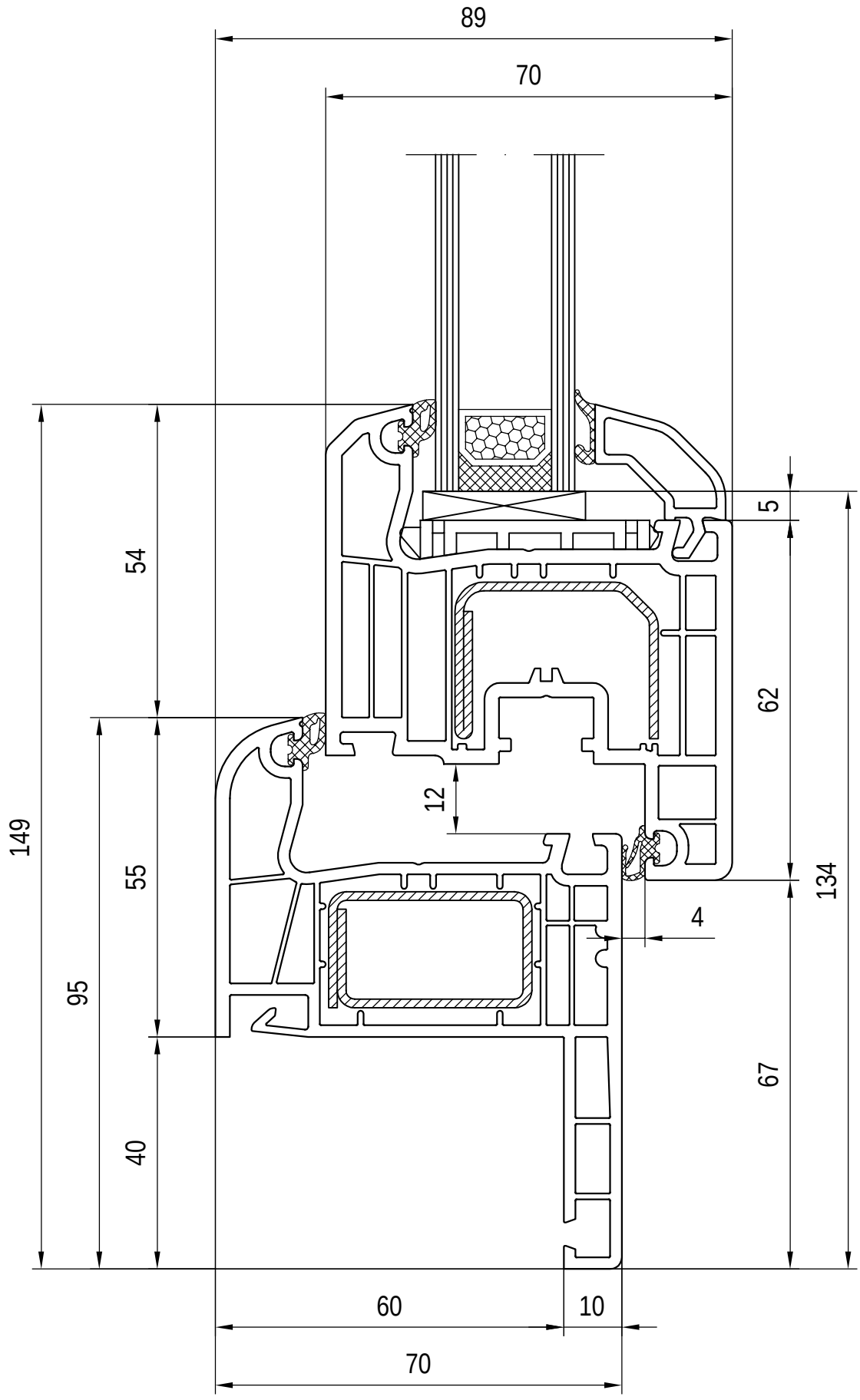
(MB)-Rahmen 140x12
Flügel 140x86

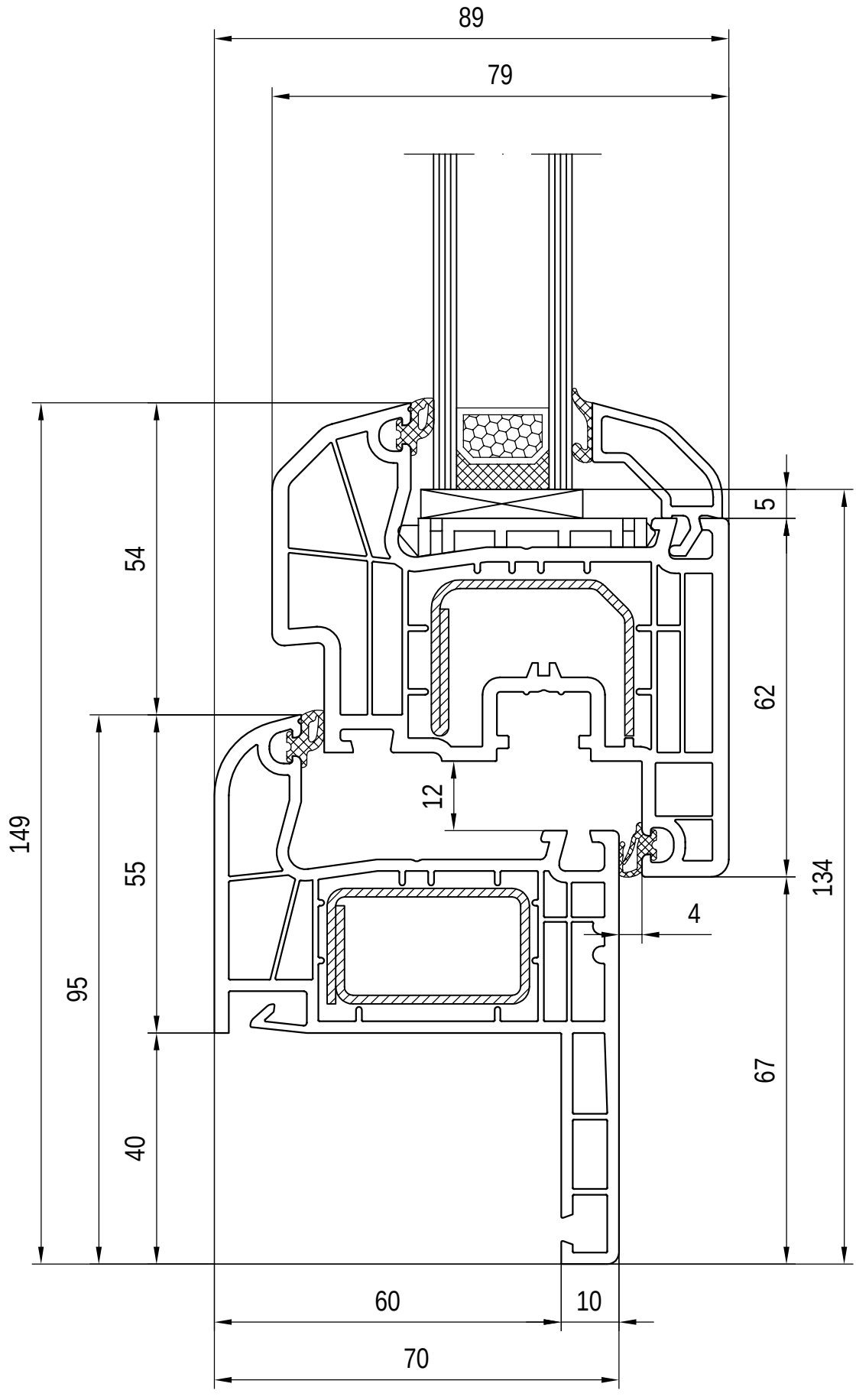

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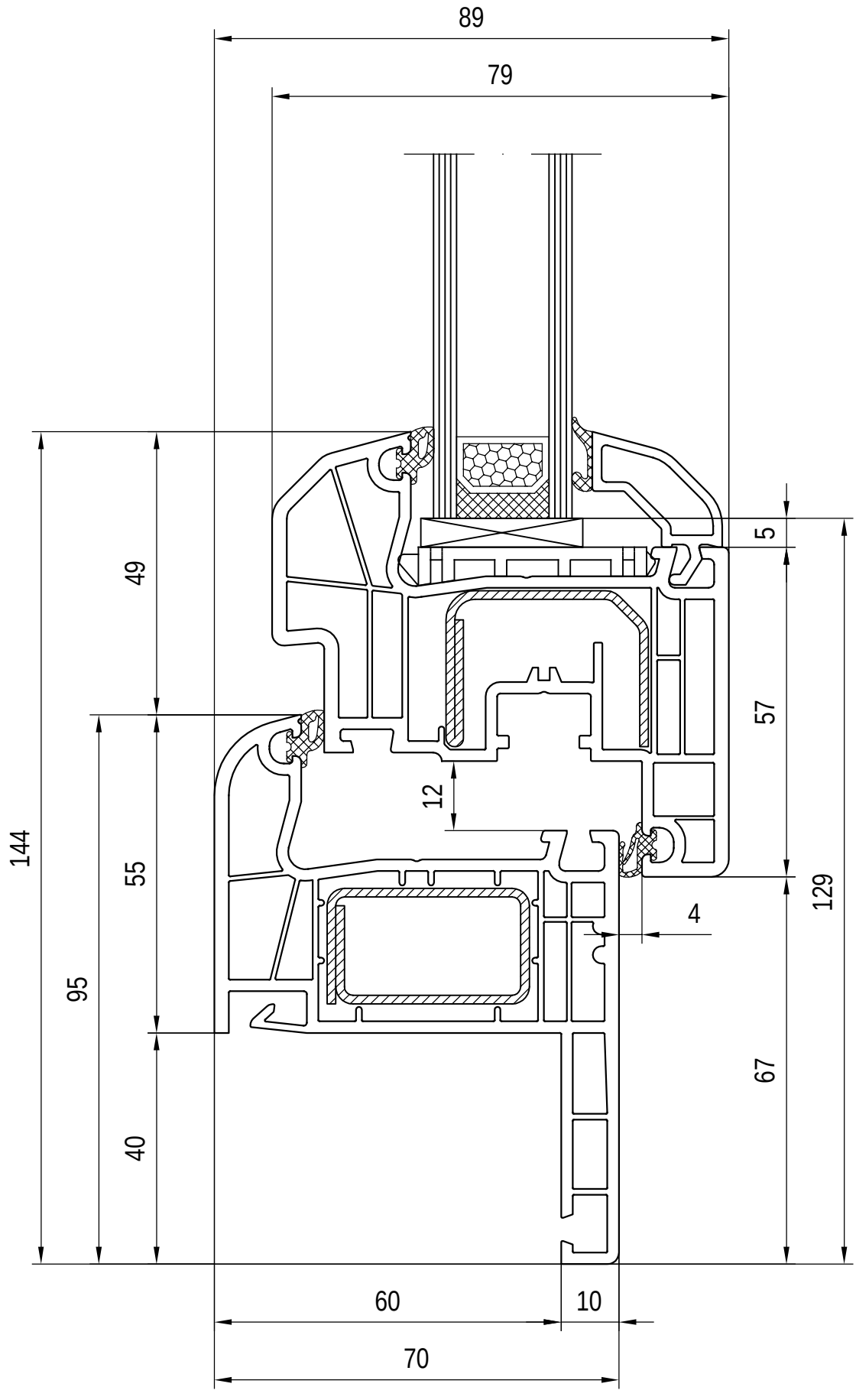

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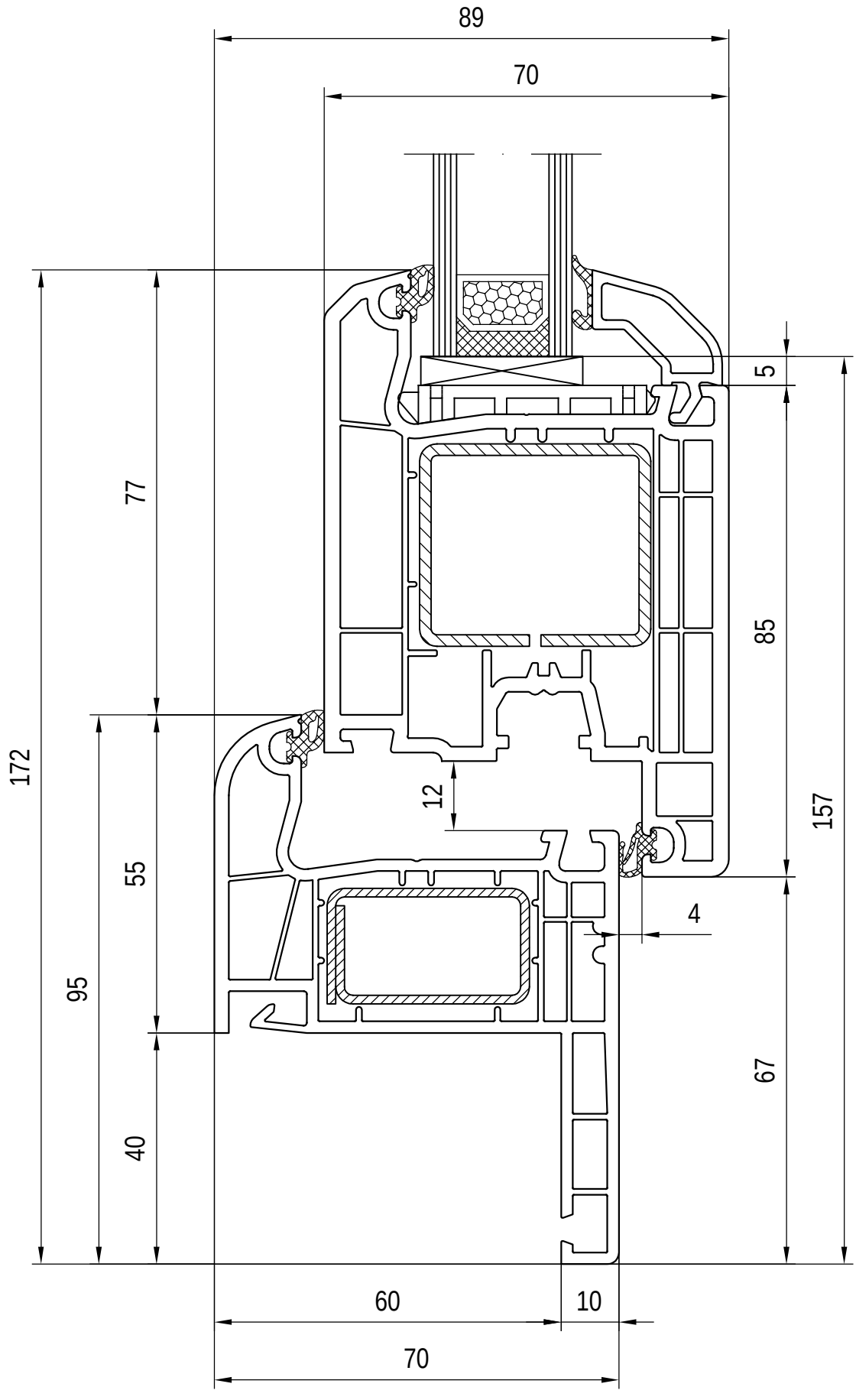

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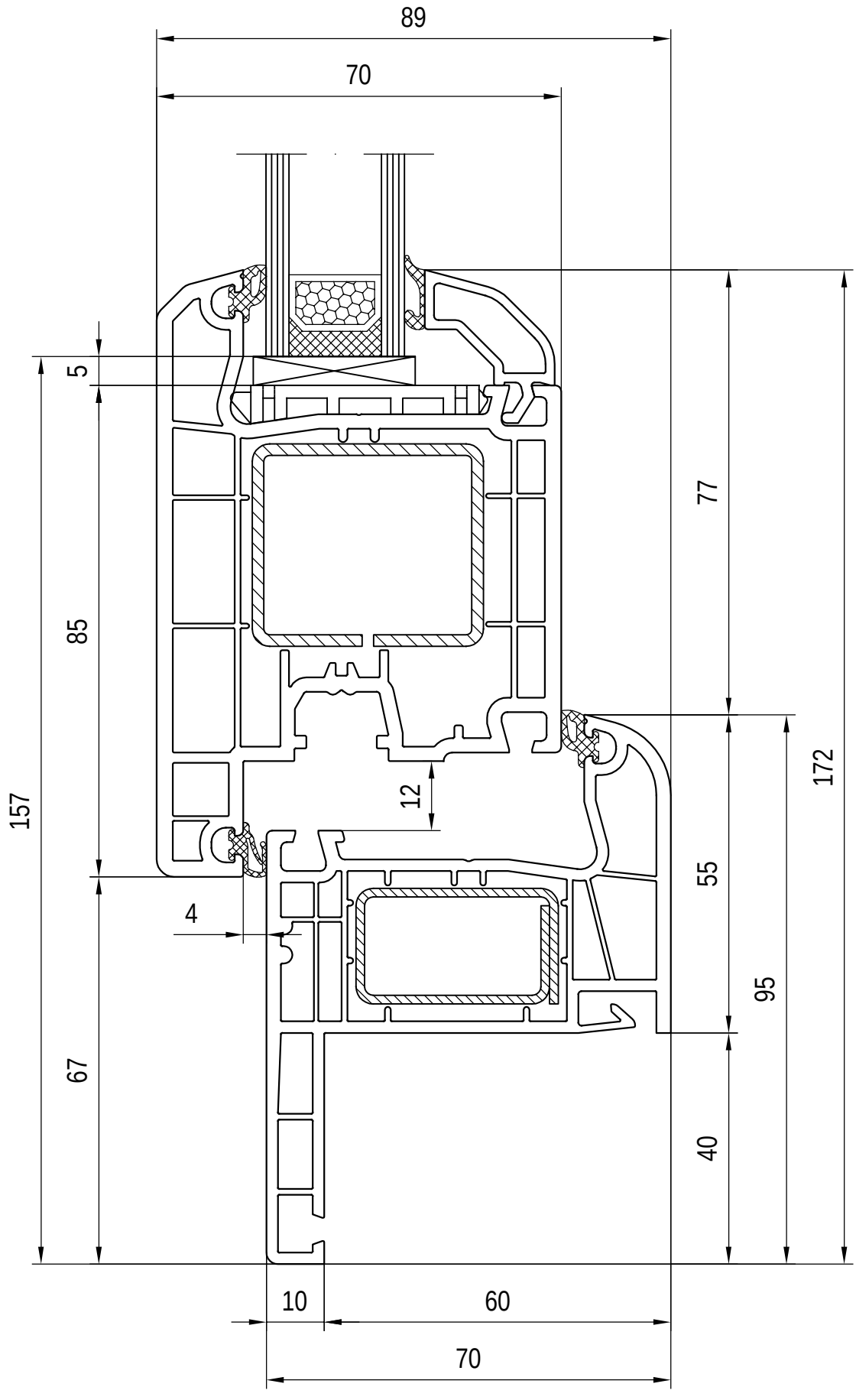

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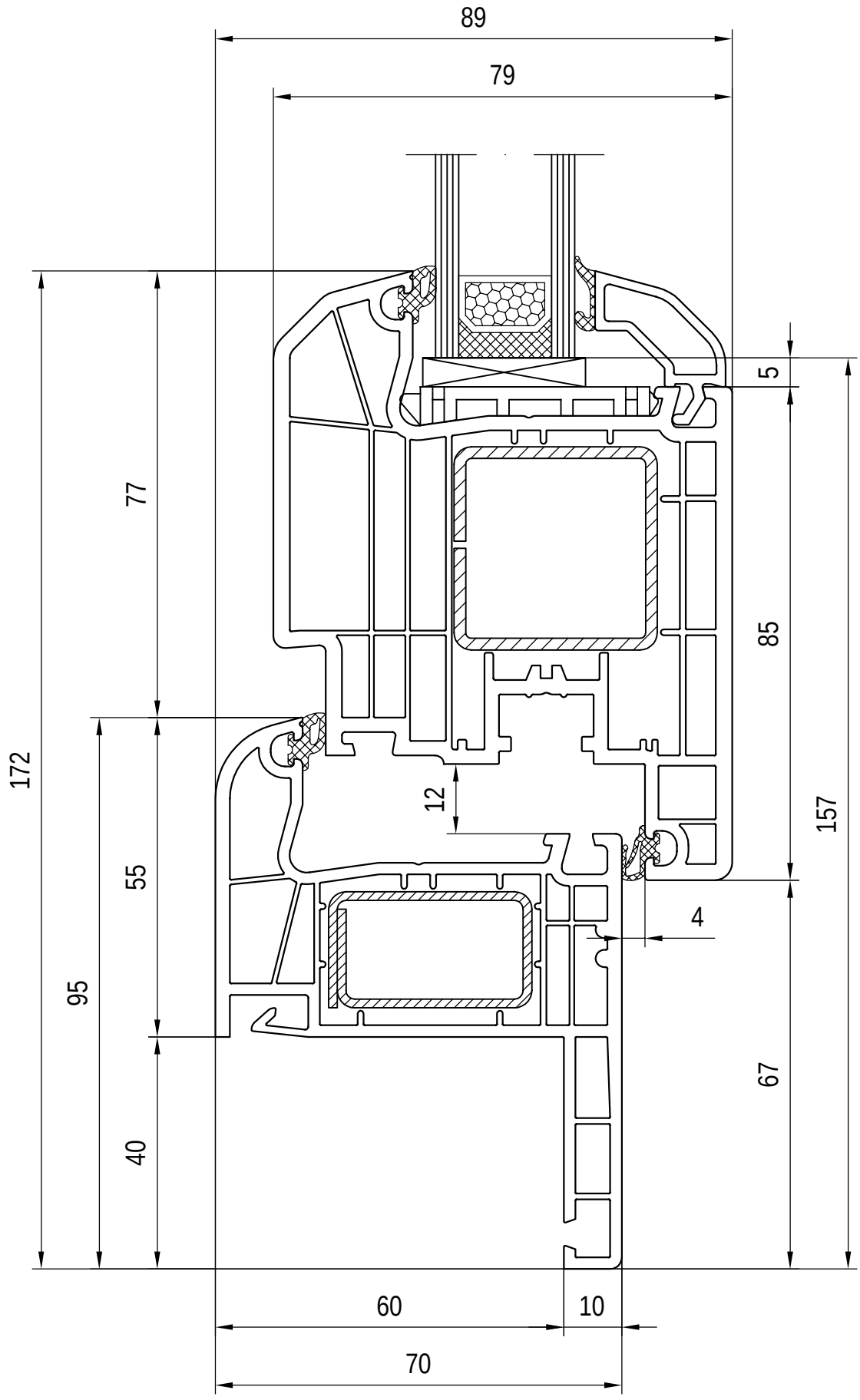

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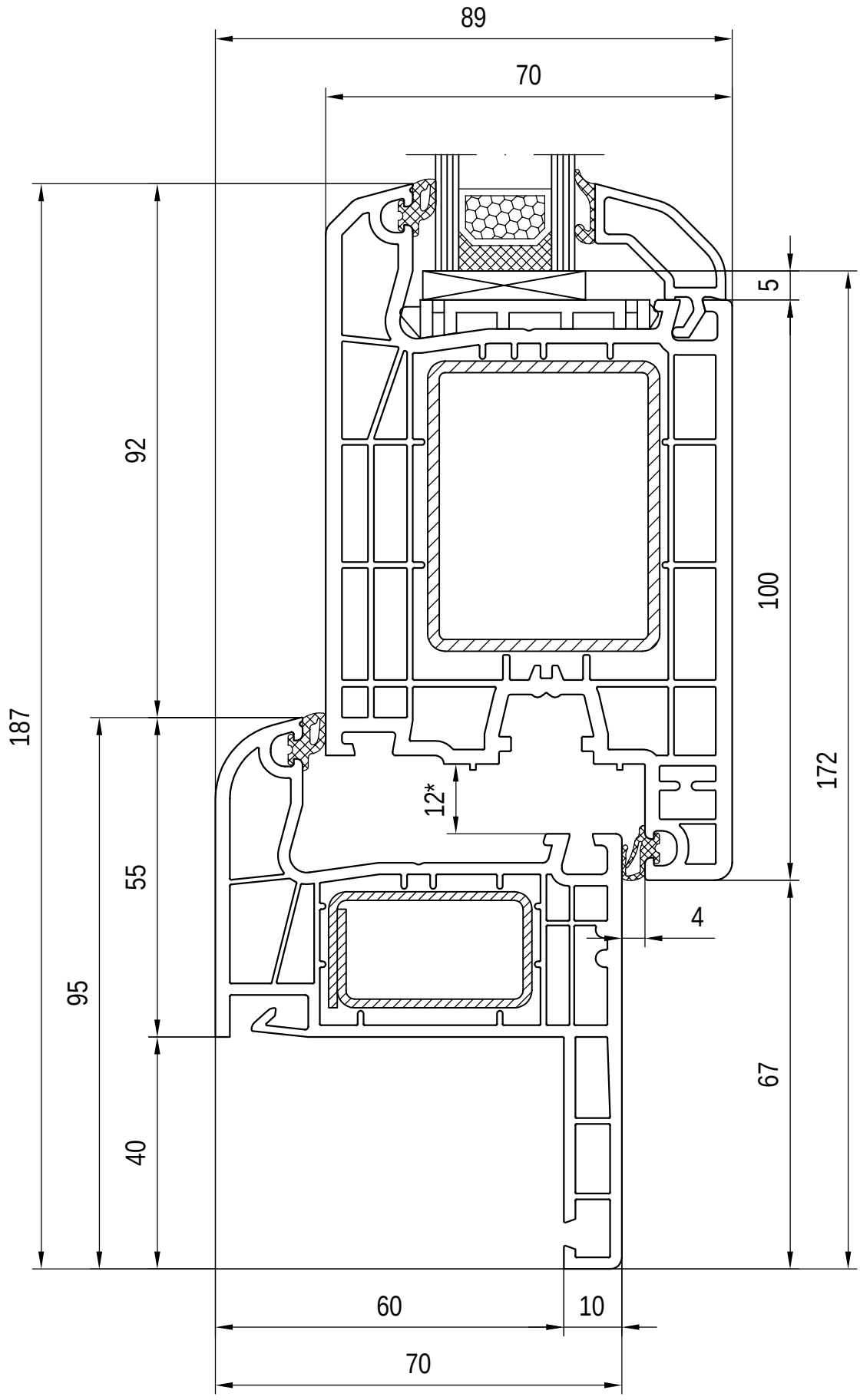

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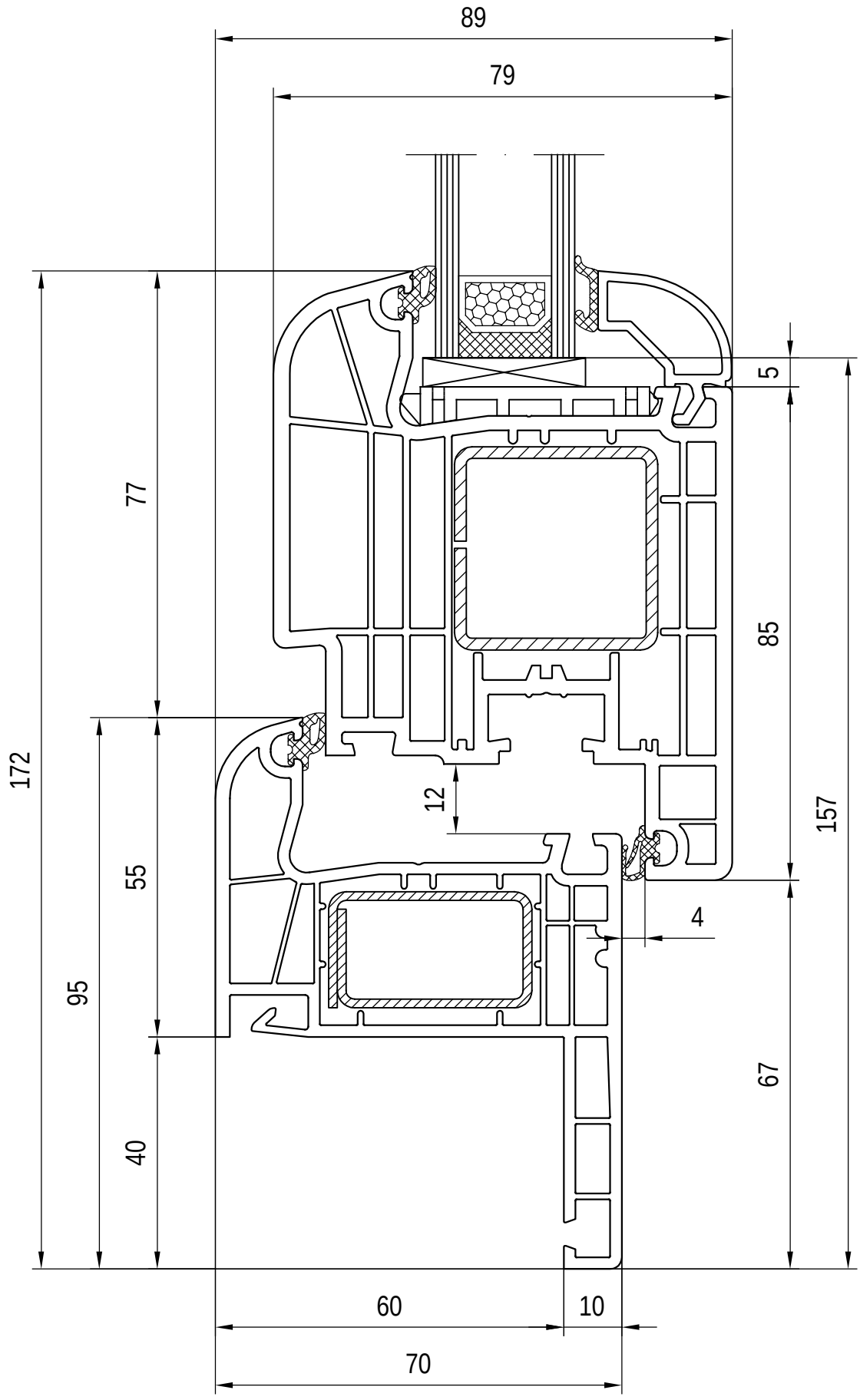

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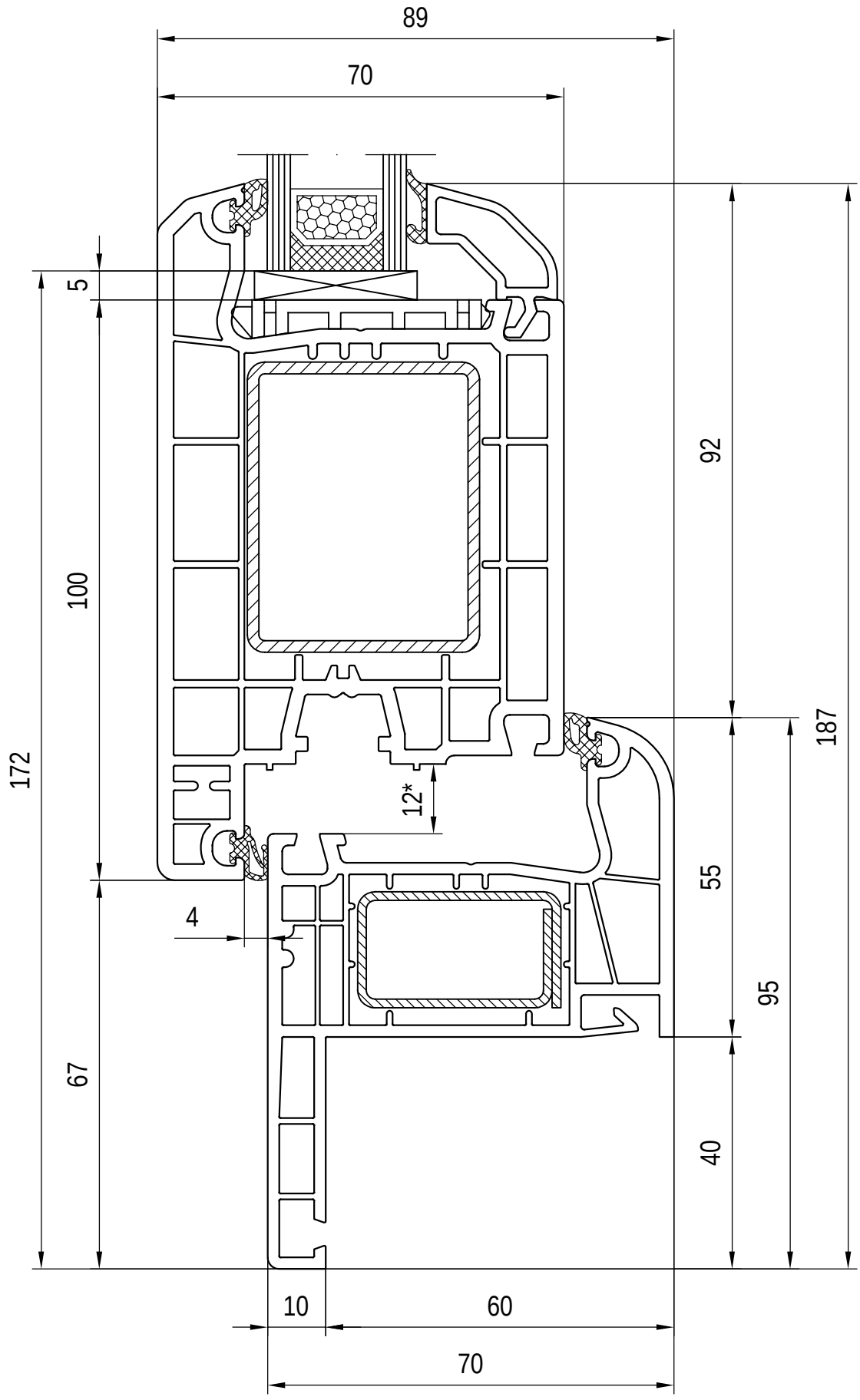

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* Falzluft bei Haustüren links und rechts = 13mm


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* Falzluft bei Haustüren links und rechts = 13mm

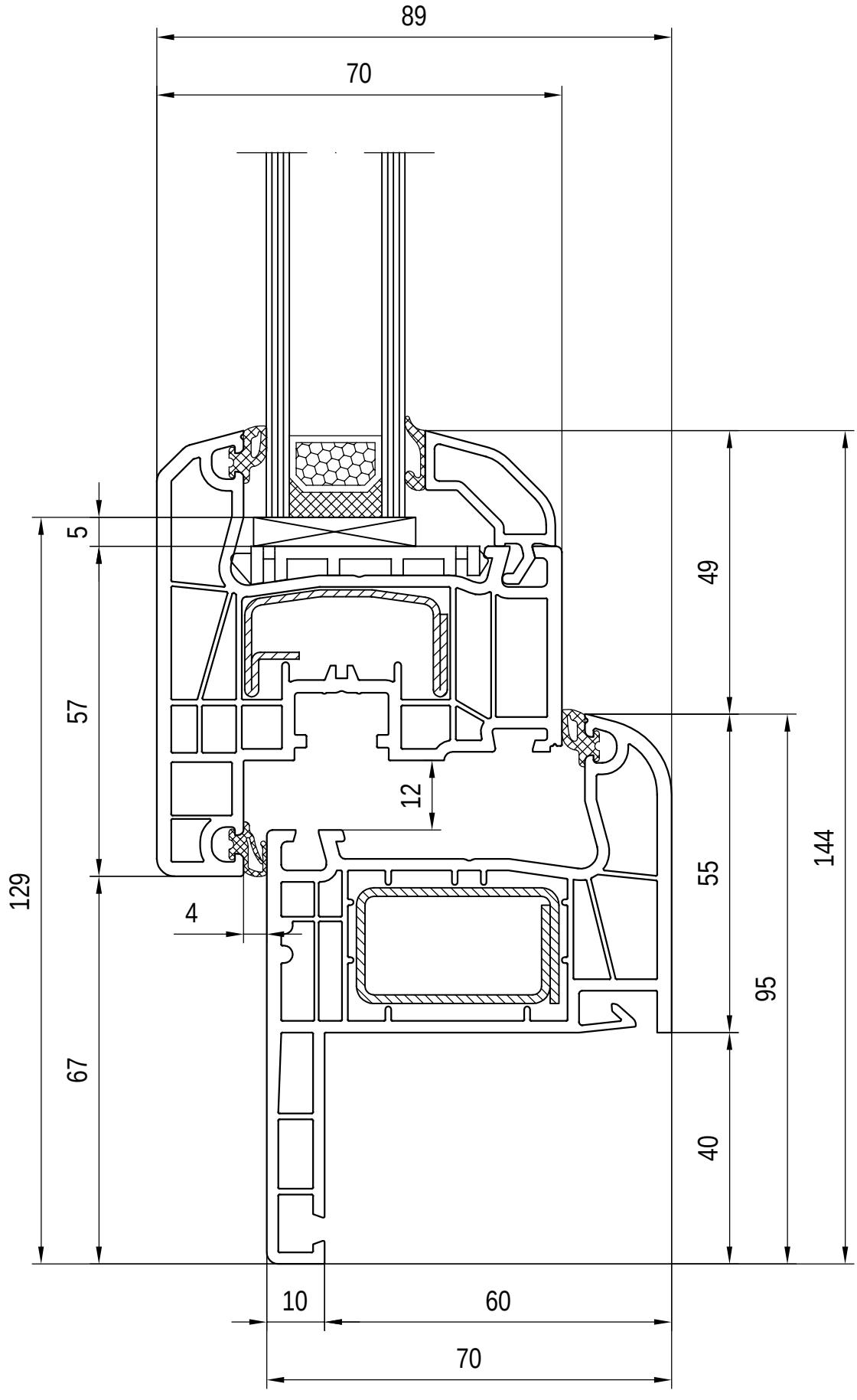
Technische Änderungen und Irrtümer vorbehalten!

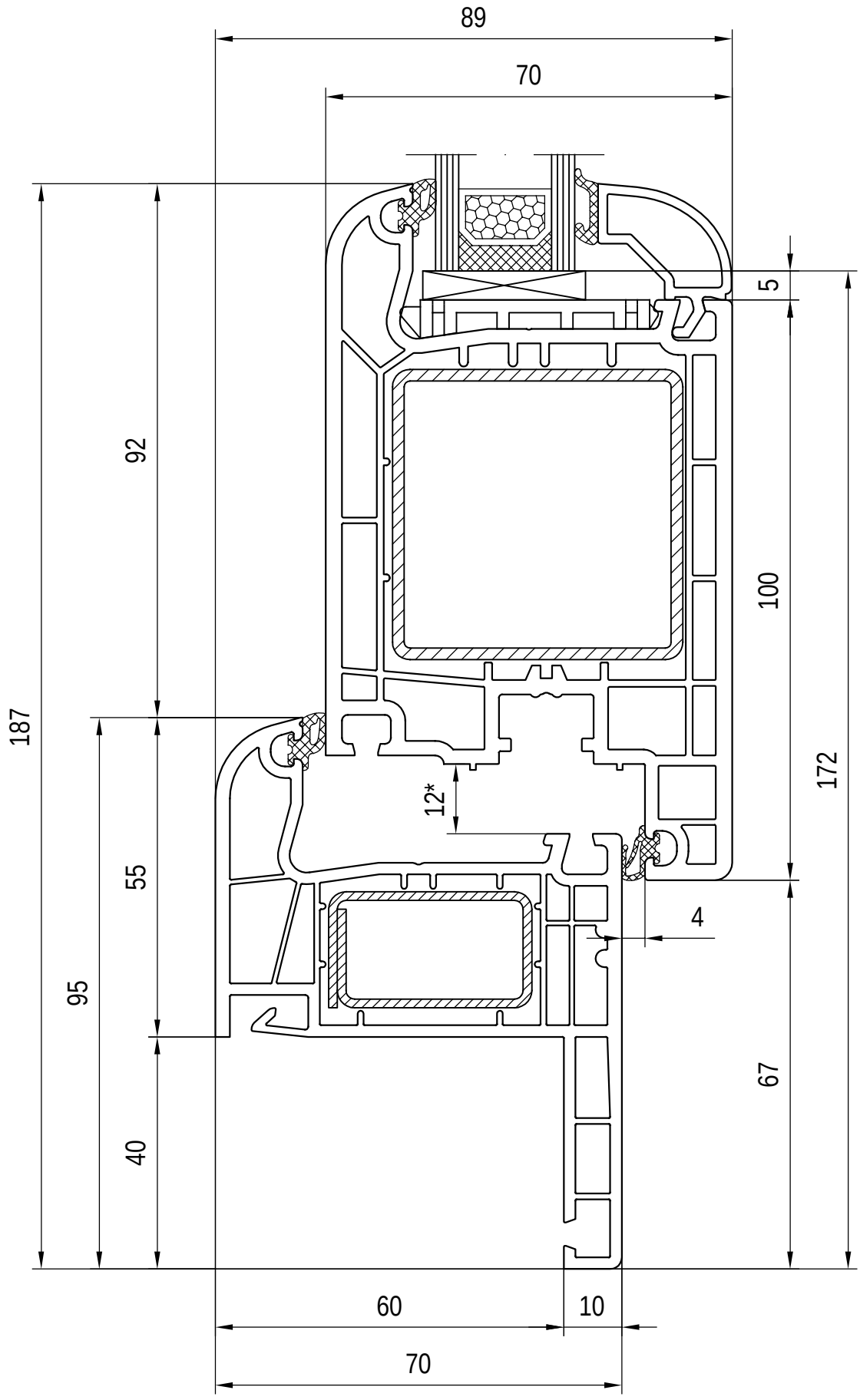
Maßstab: 1:1
03_D_01_4*

Kombinationen: Rahmen - Flügel

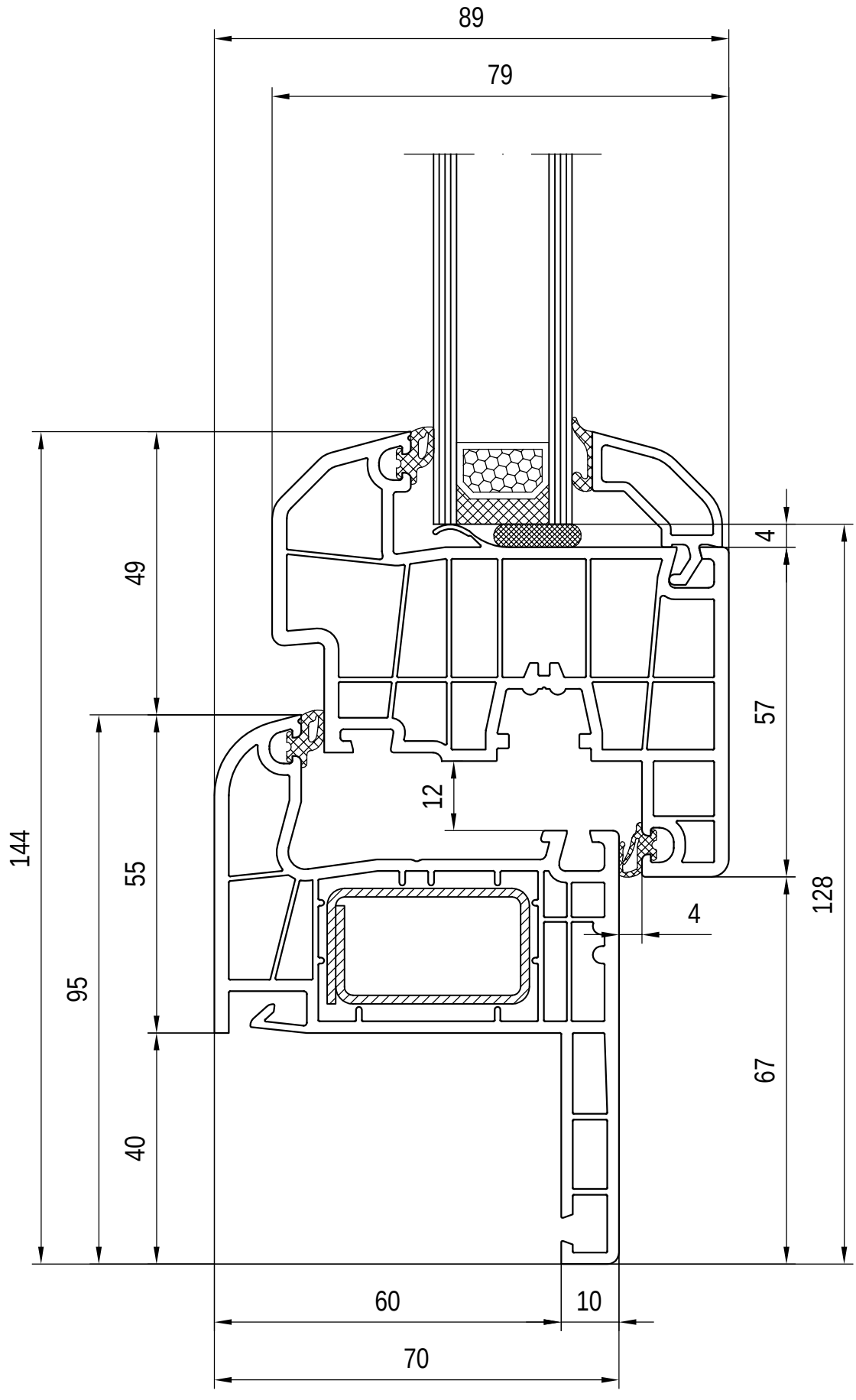
Glasleiste 120846/120876

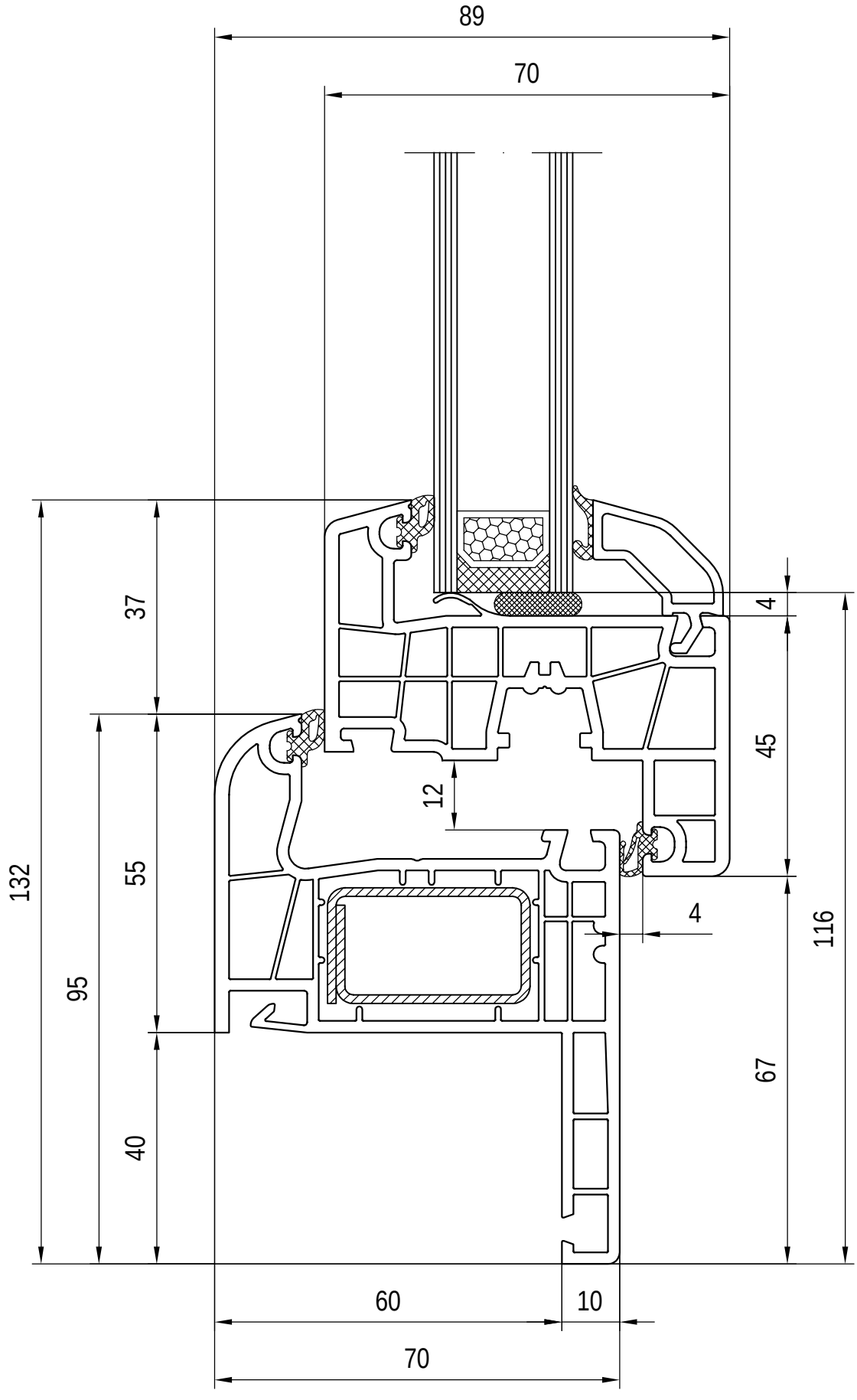
Altbau-Rahmen 140x13
Flügel 140x35

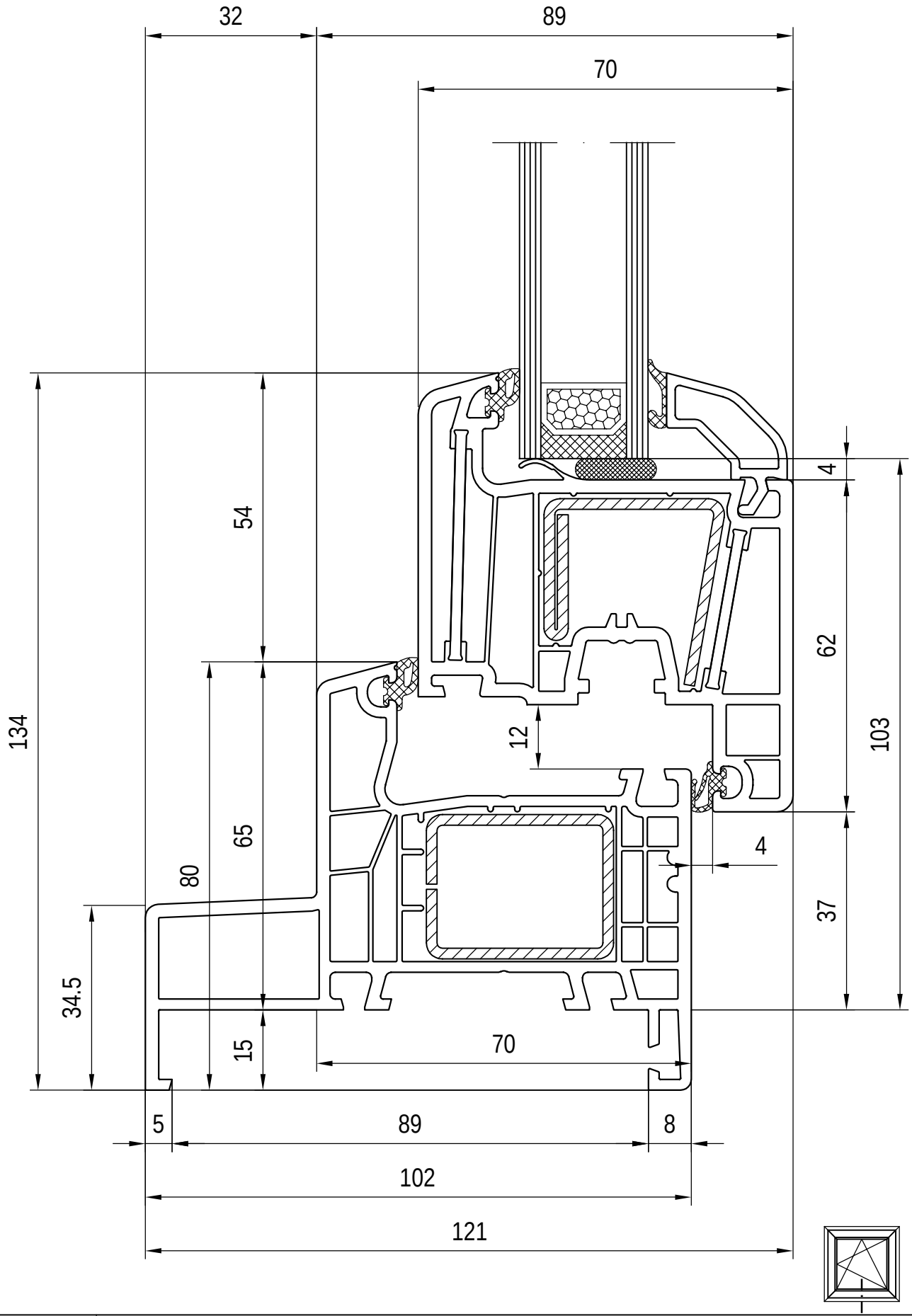

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* Falzluft bei Haustüren links und rechts = 13mm


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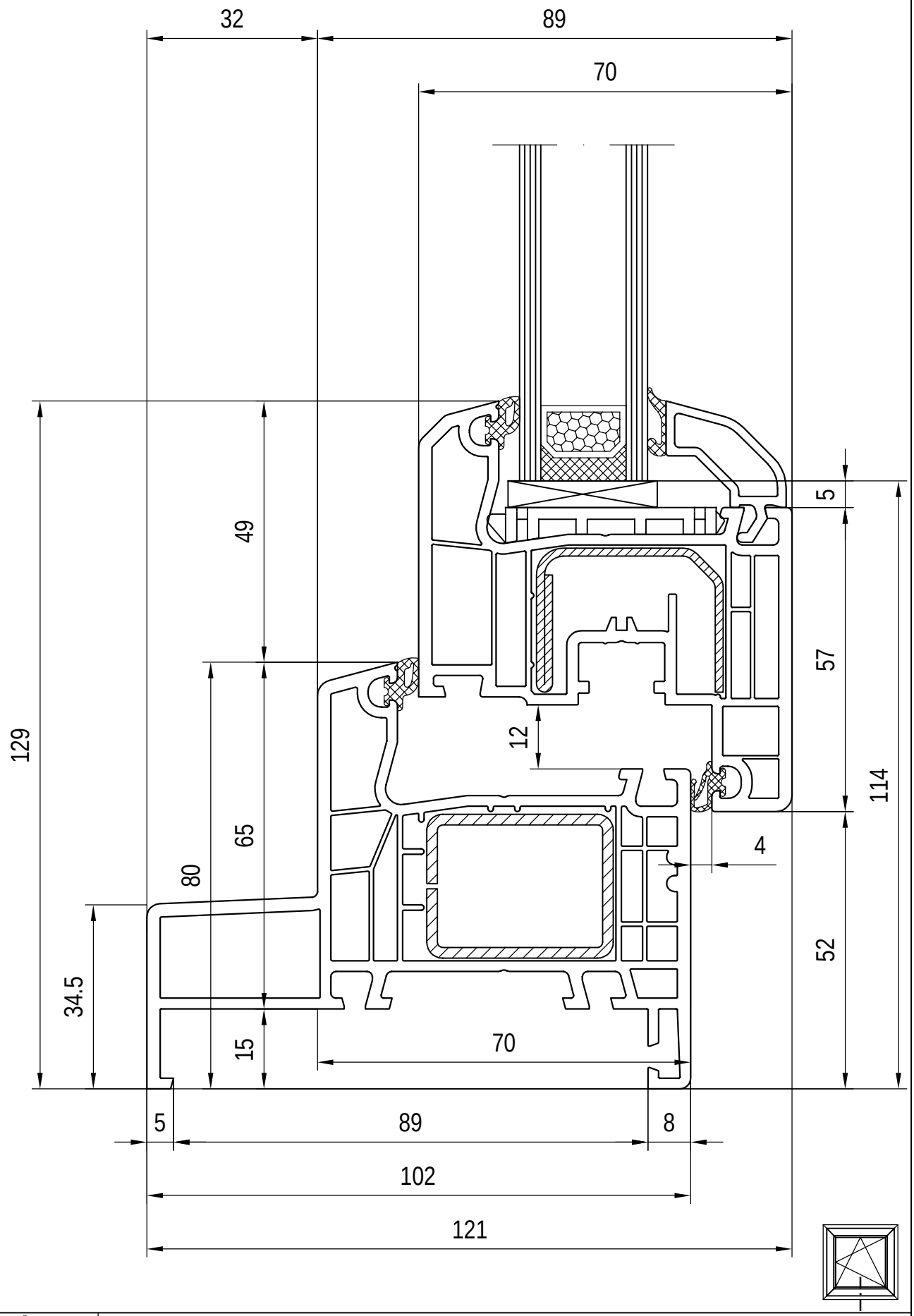

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Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

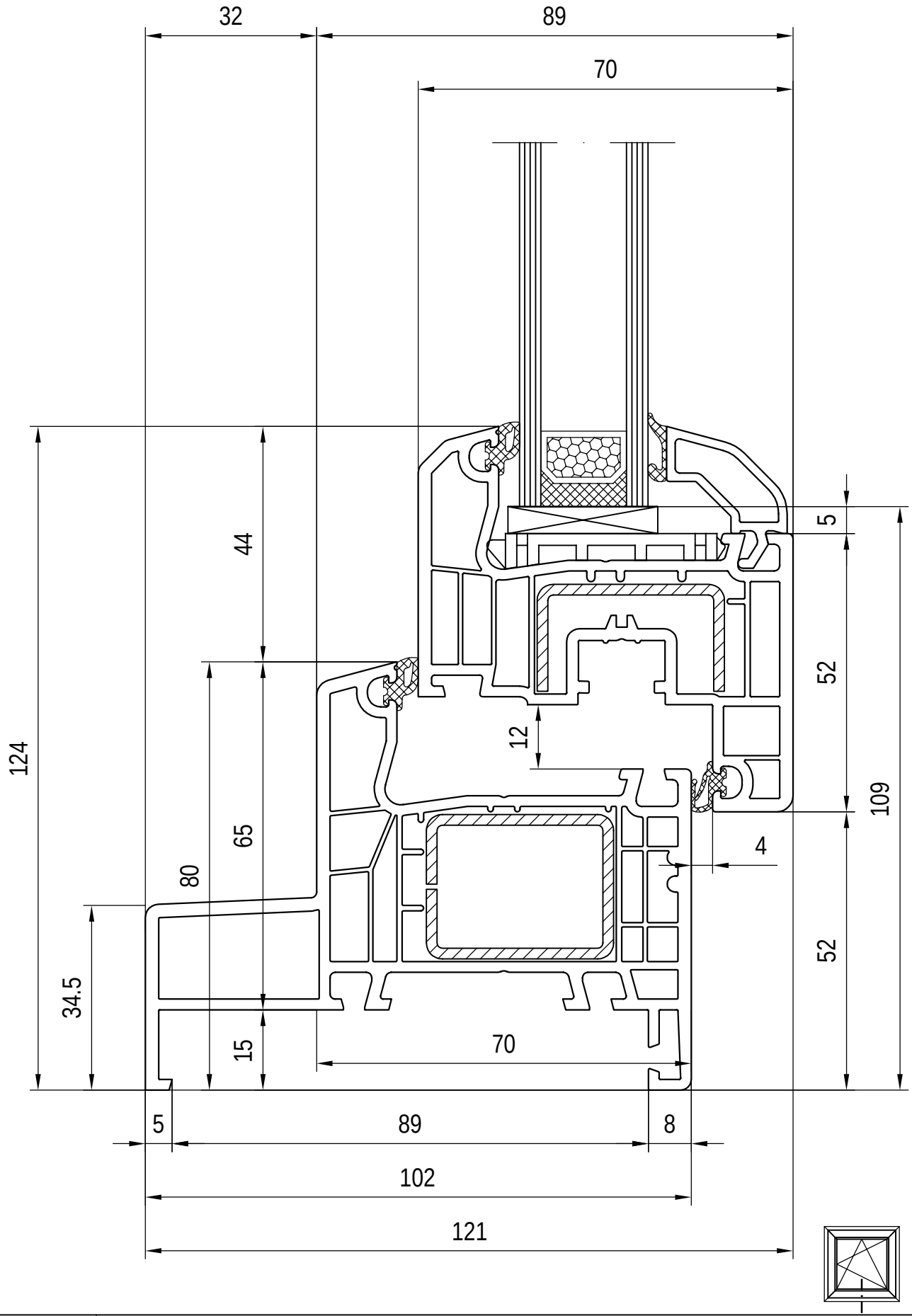
(MB)-Rahmen 140x14
Flügel 040x83



Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

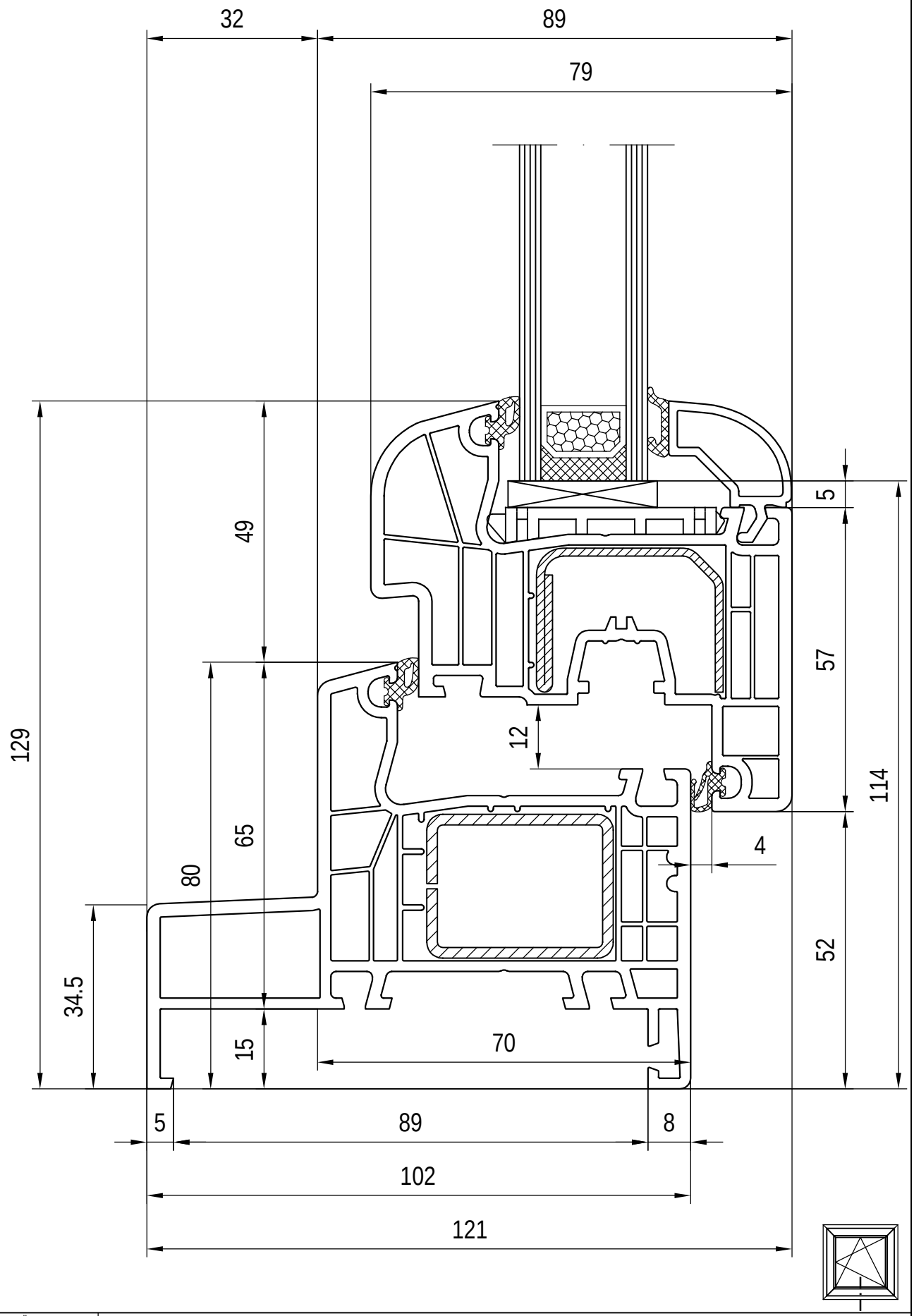
(MB)-Rahmen 140x14
Flügel 140x20



Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

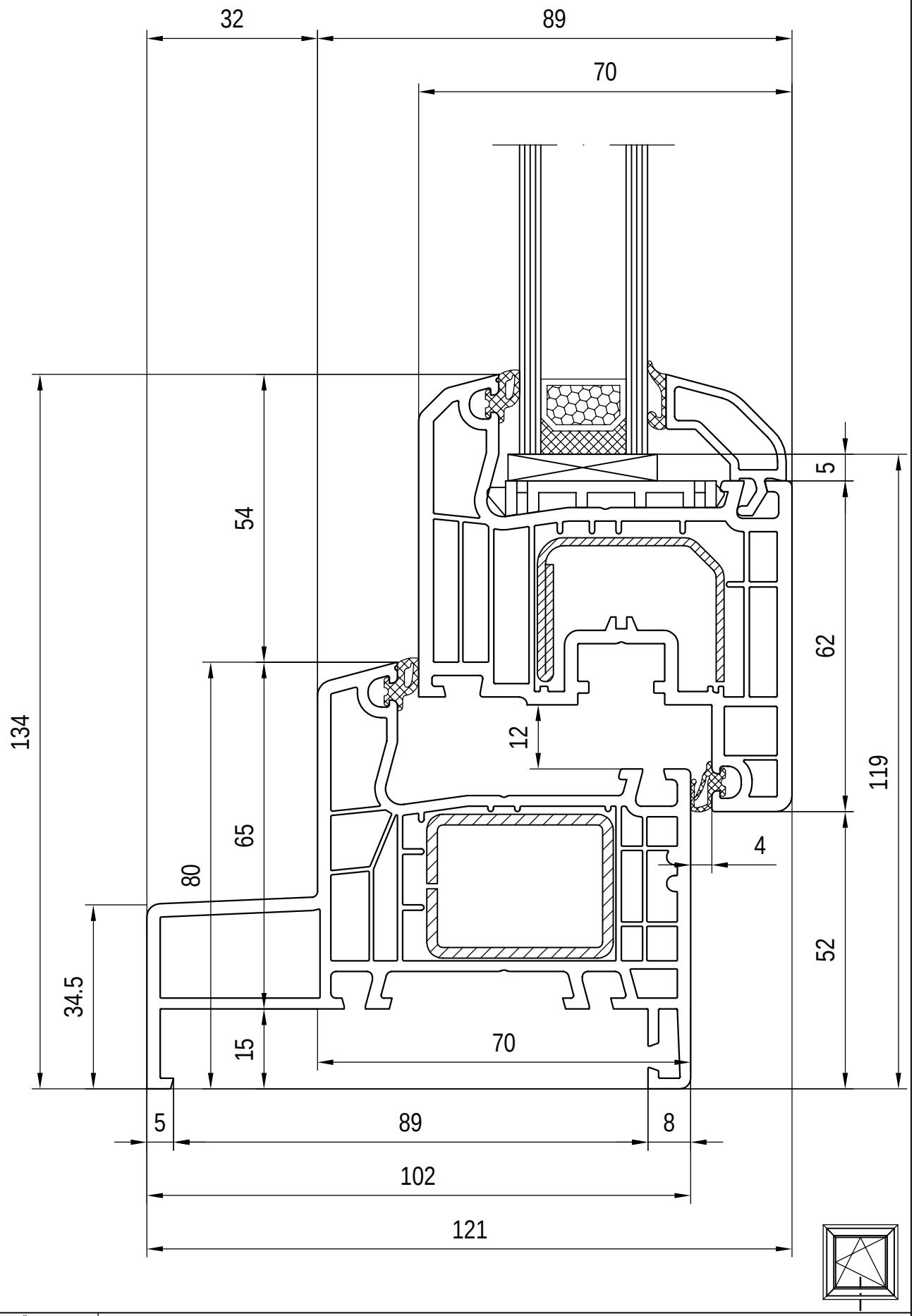
(MB)-Rahmen 140x14
Flügel 140x21



Kombinationen: Rahmen - Flügel

Glasleiste 120850/120880

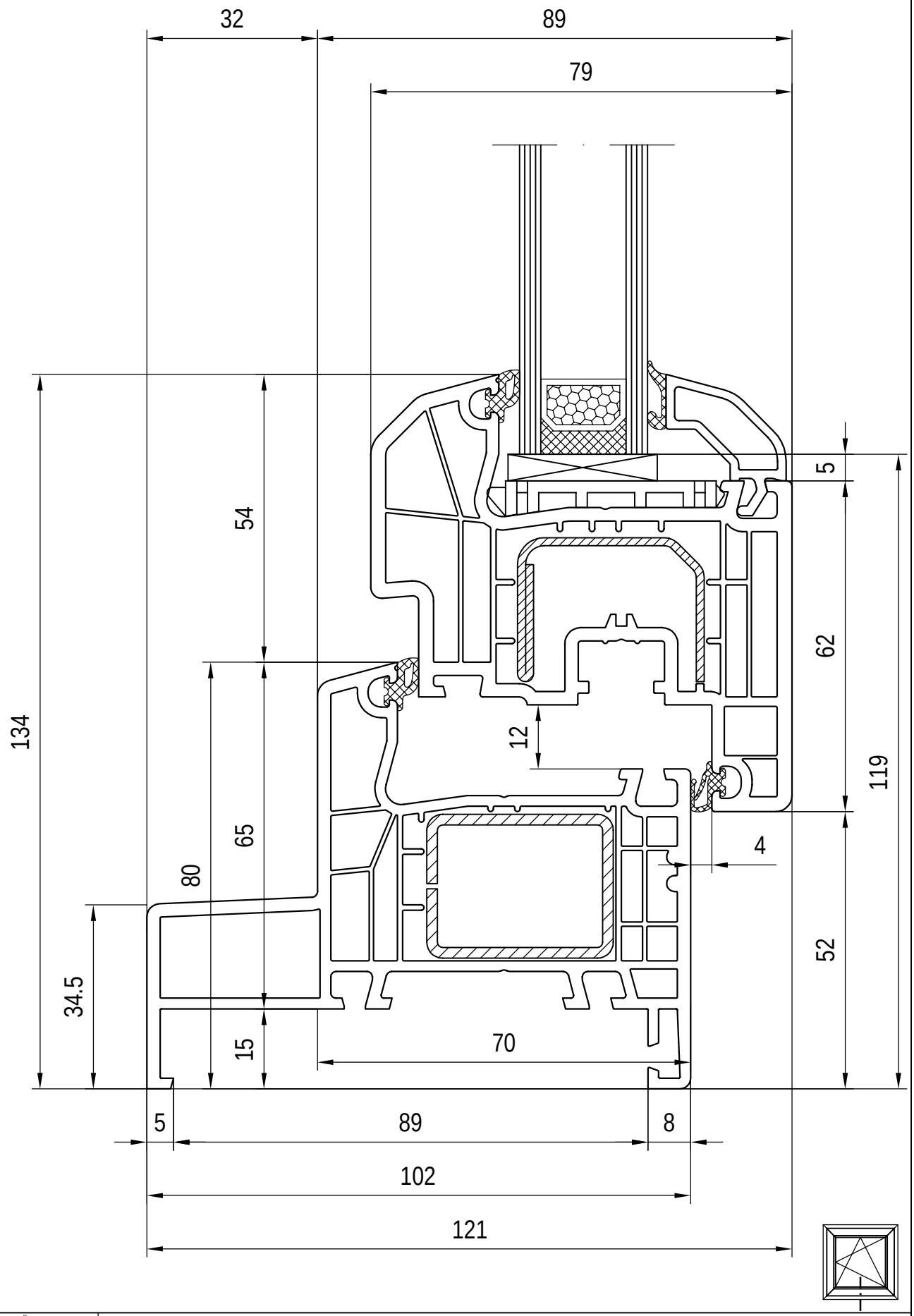
(MB)-Rahmen 140x14
Flügel 140x22

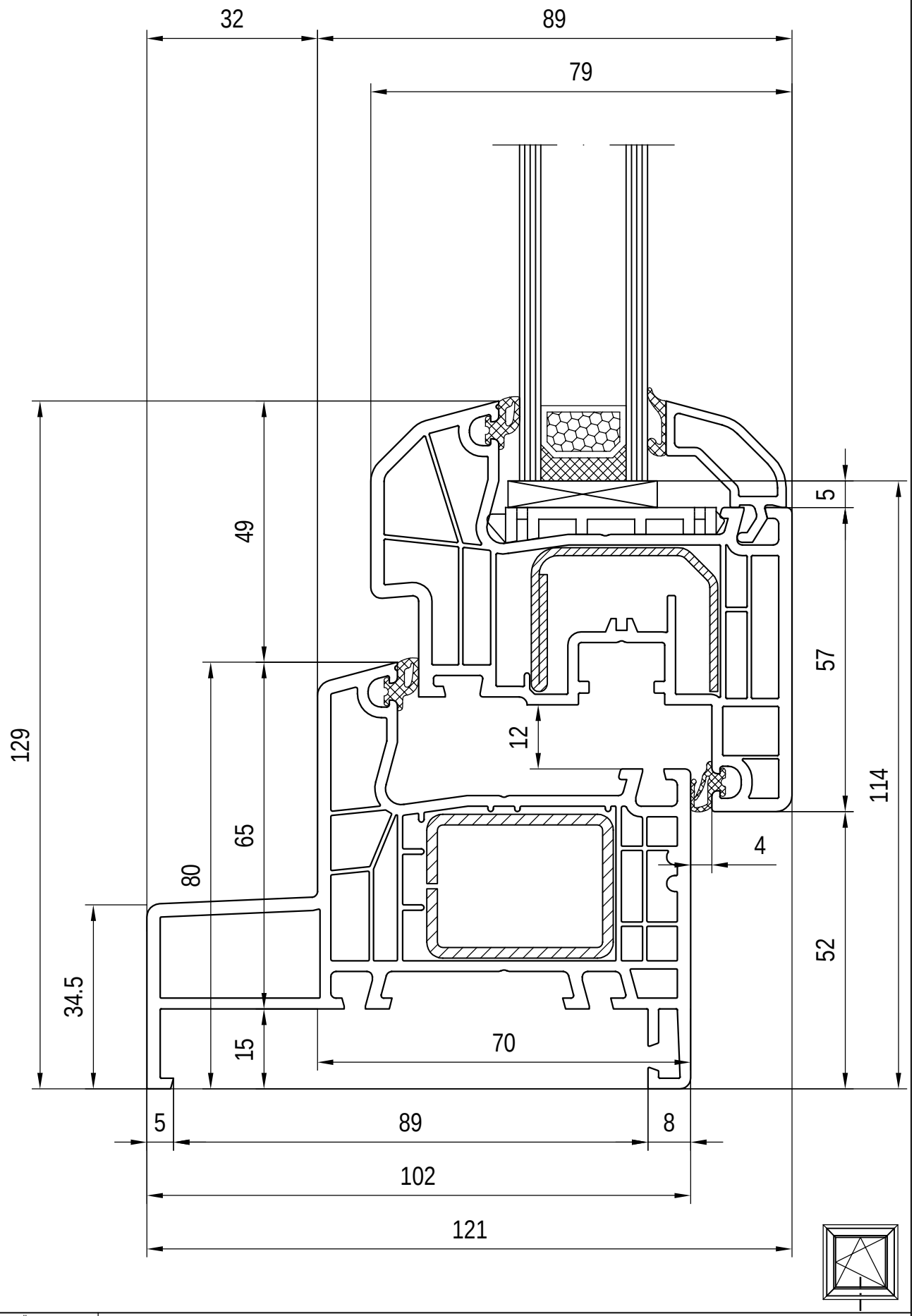


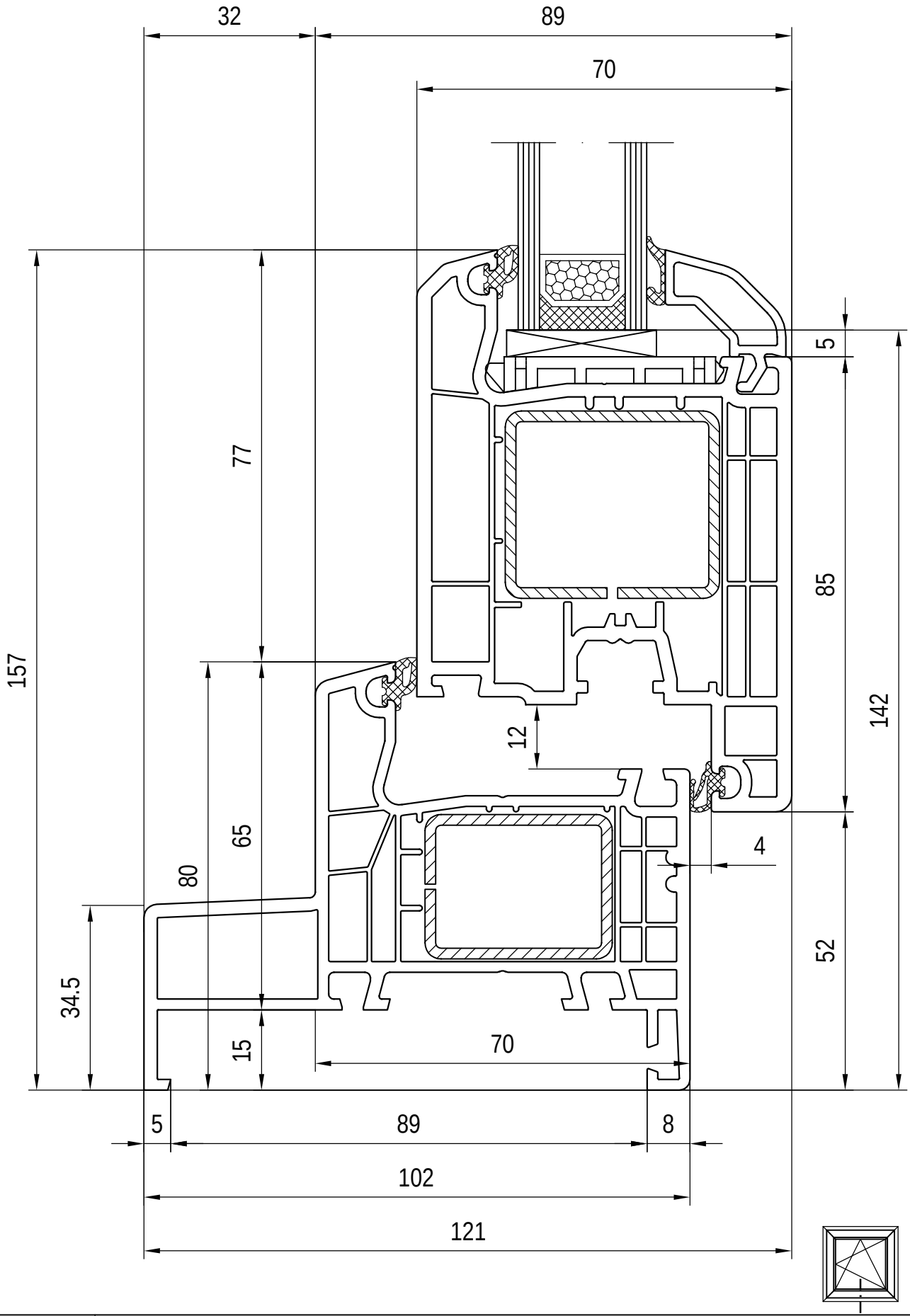
Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

(MB)-Rahmen 140x14
Flügel 140x23


32
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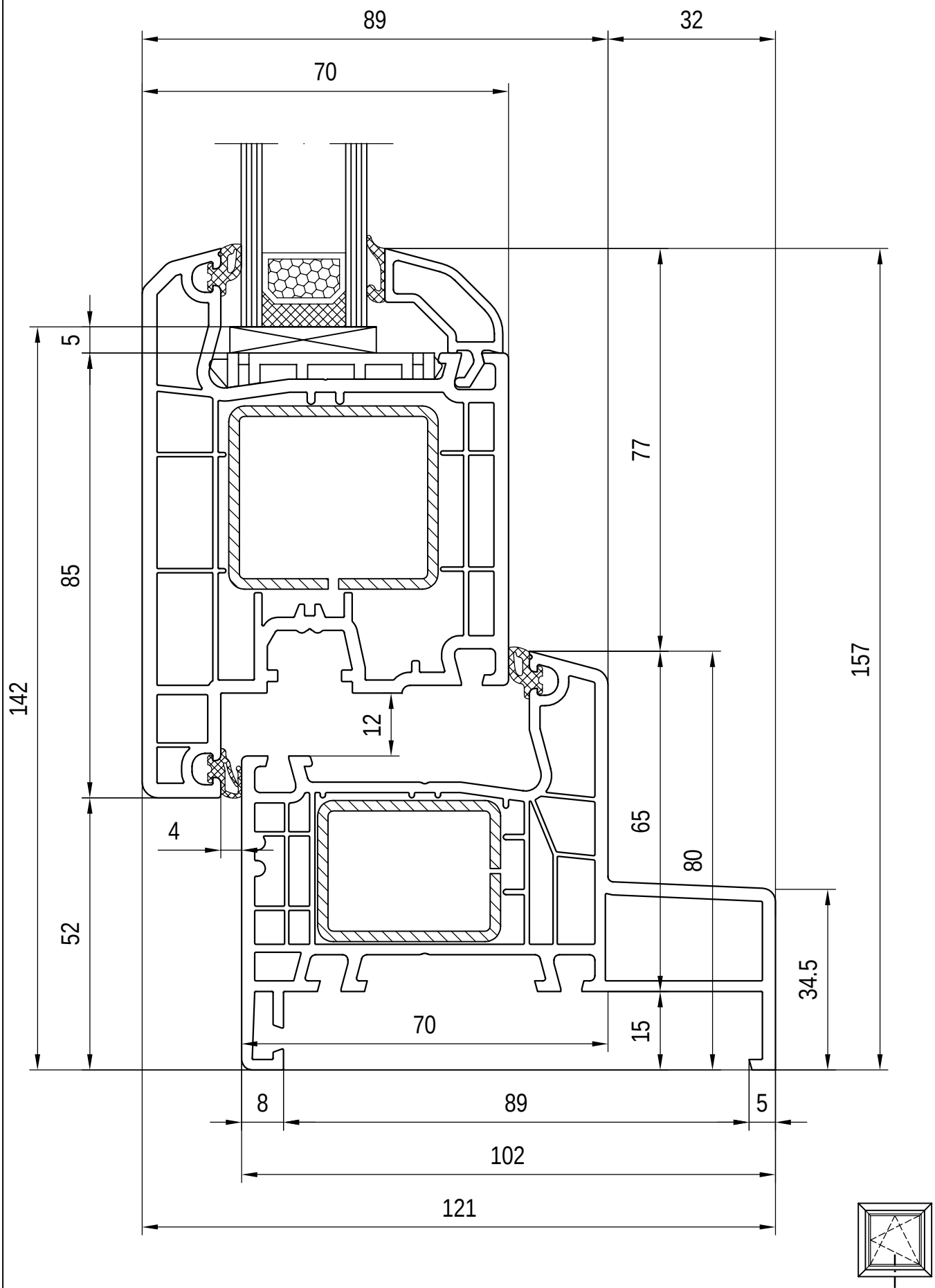

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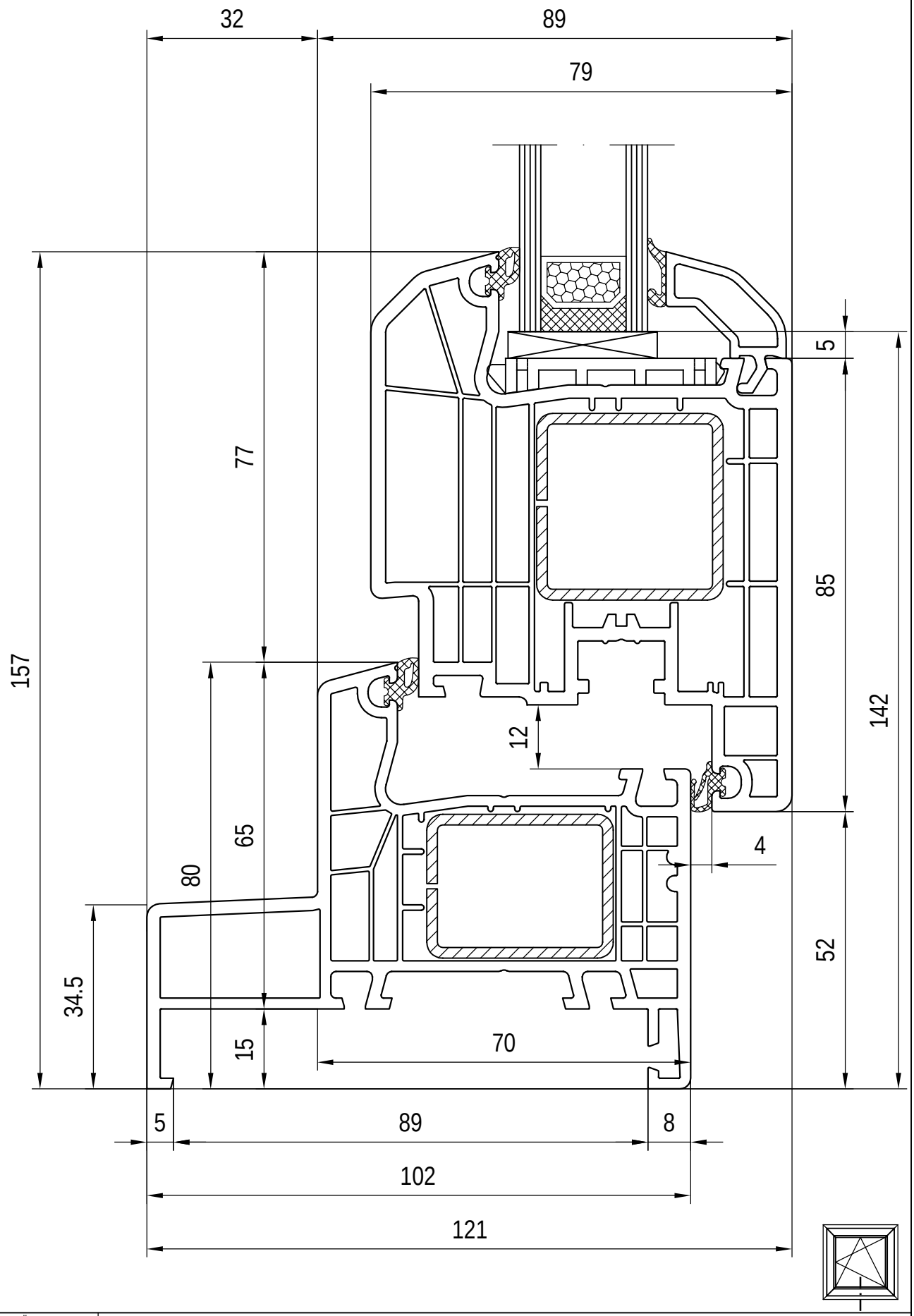


Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

(MB)-Rahmen 140x14
Flügel 140x30

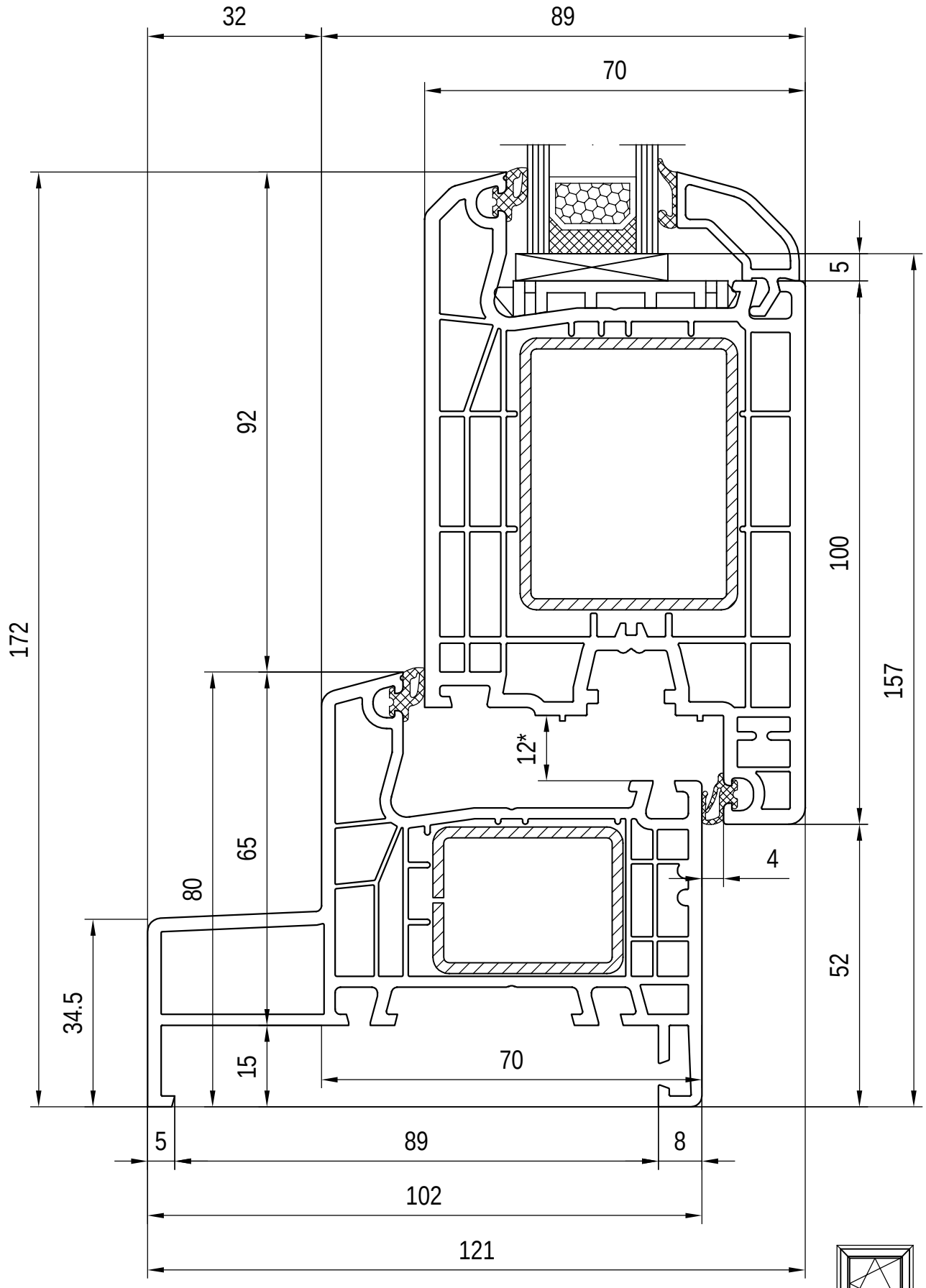

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121



Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

(MB)-Rahmen 140x14
Flügel 140x32



* Falzluft bei Haustüren links und rechts = 13mm

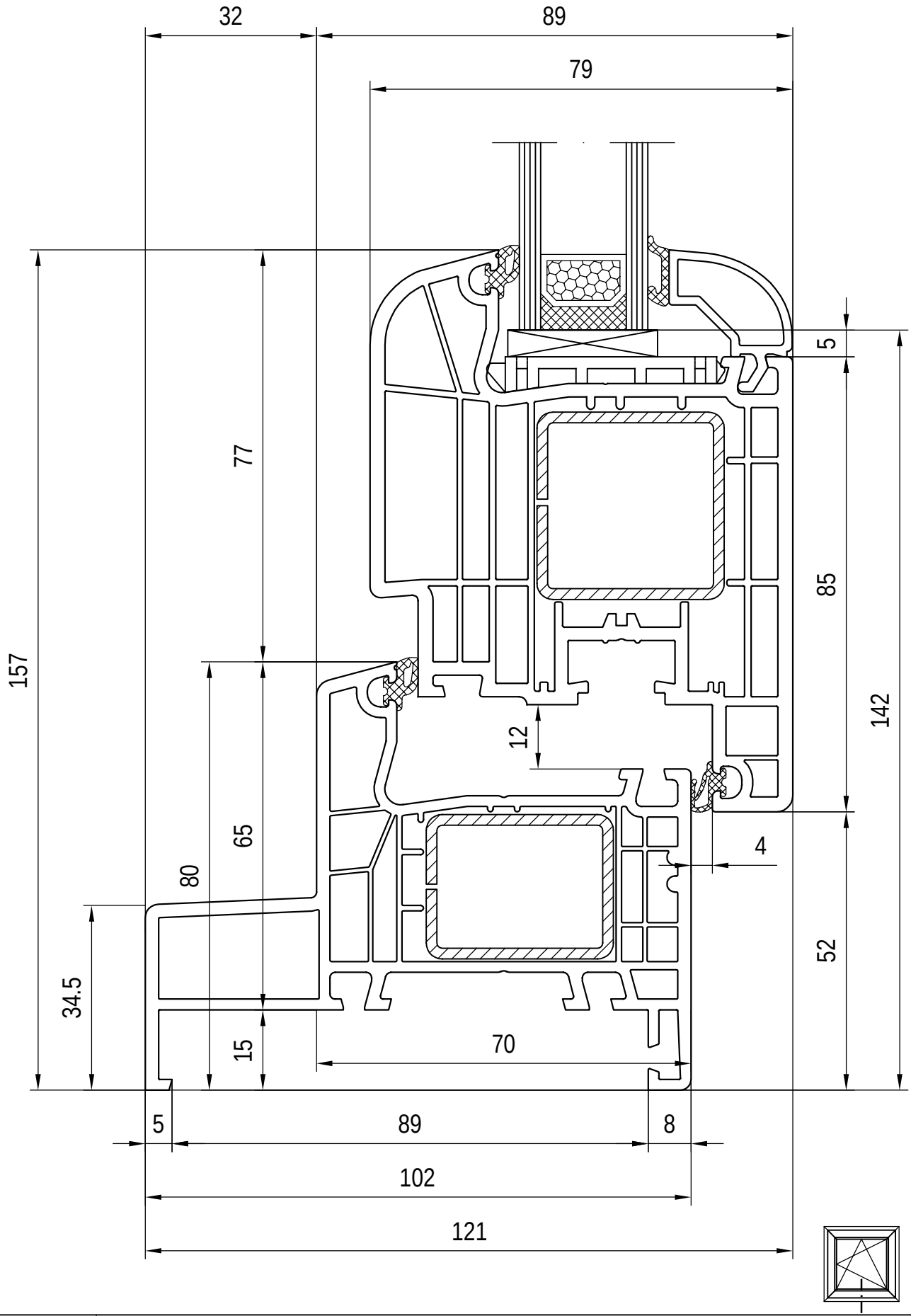
Technische Änderungen und Irrtümer vorbehalten!

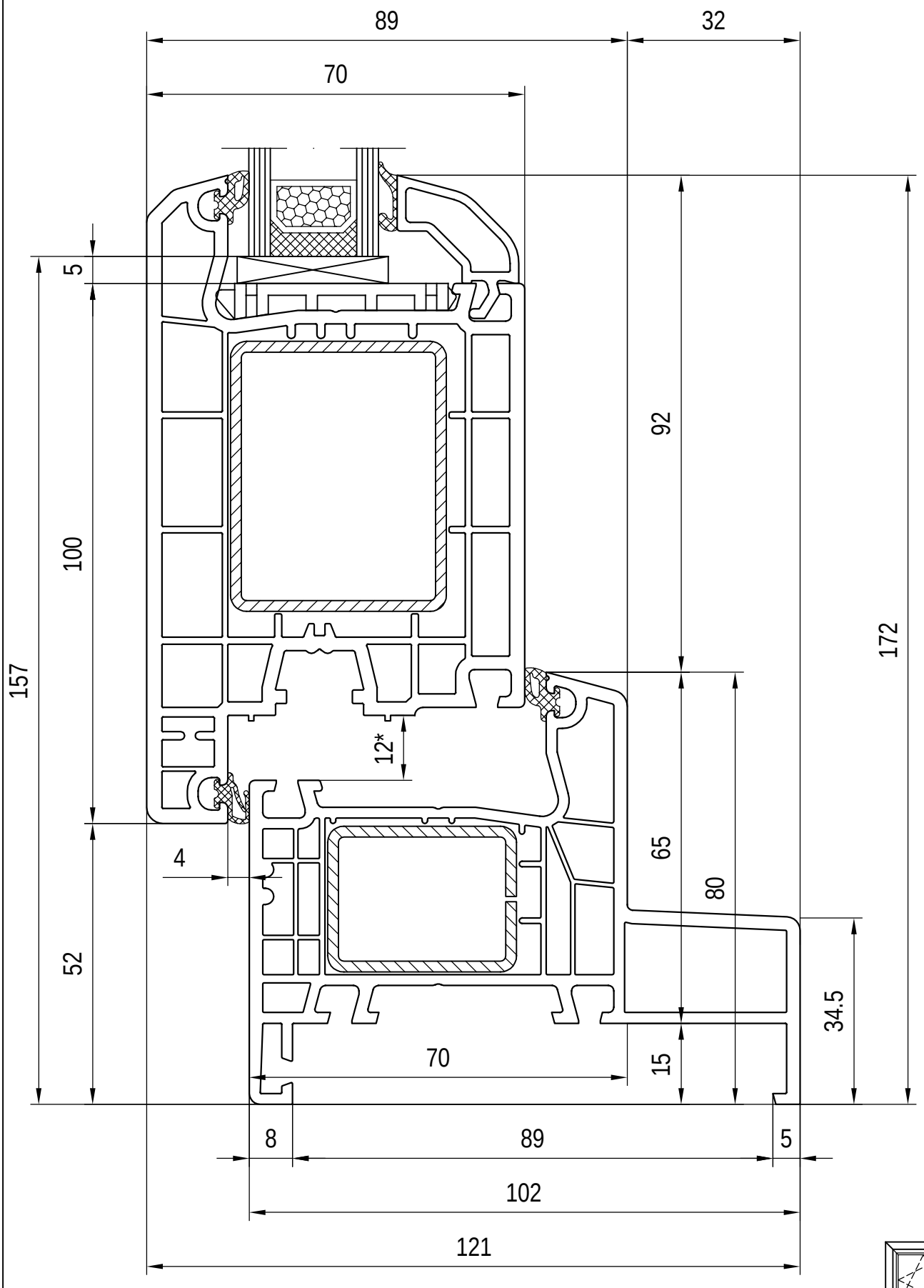
Maßstab: 1:1
03_D_01_4*

Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

(MB)-Rahmen 140x14
Flügel 140x33

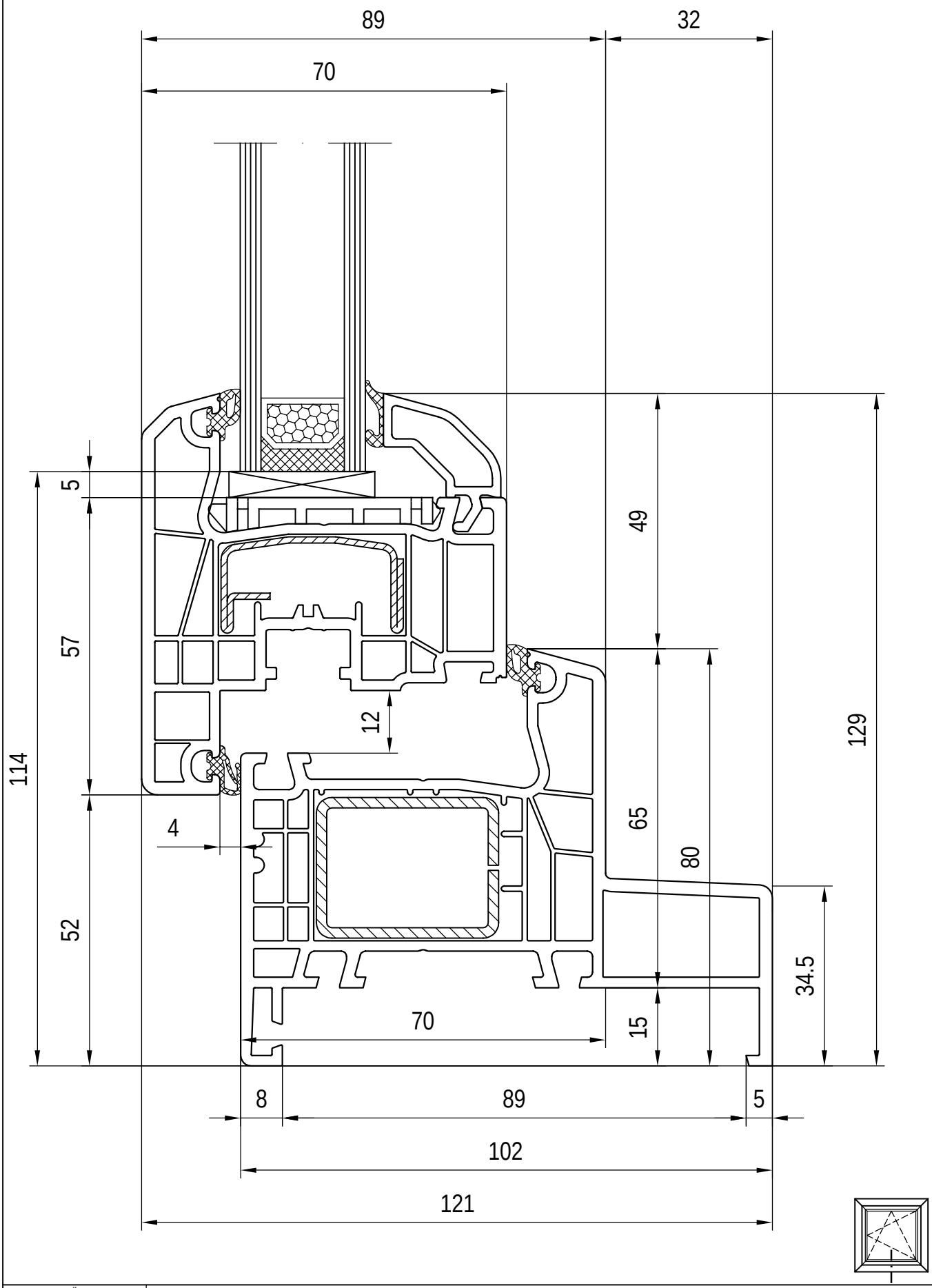

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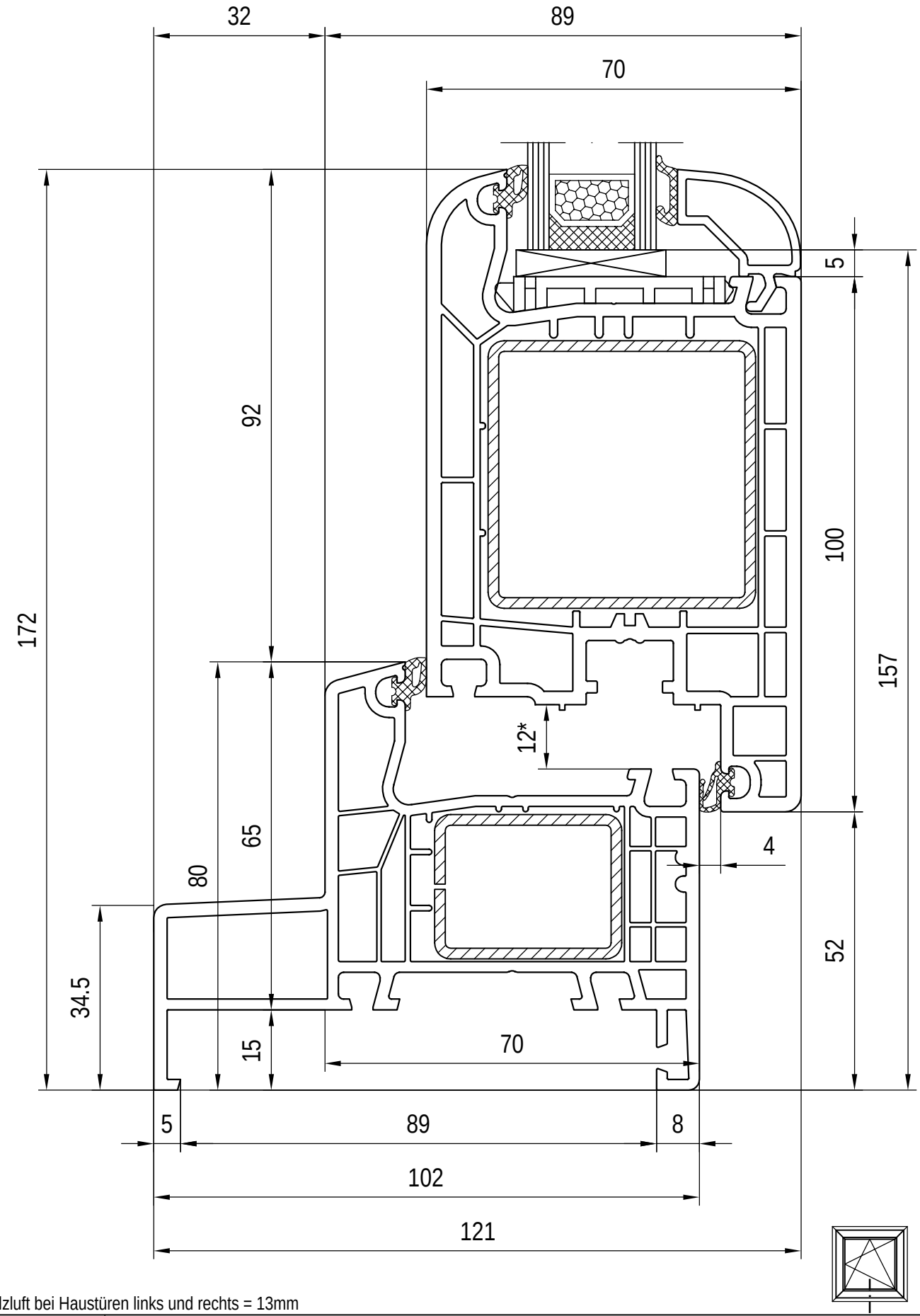


* Falzluft bei Haustüren links und rechts = 13mm

Kombinationen: Rahmen - Flügel
Glasleiste 120846/120876

(MB)-Rahmen 140x14
Flügel 140x35

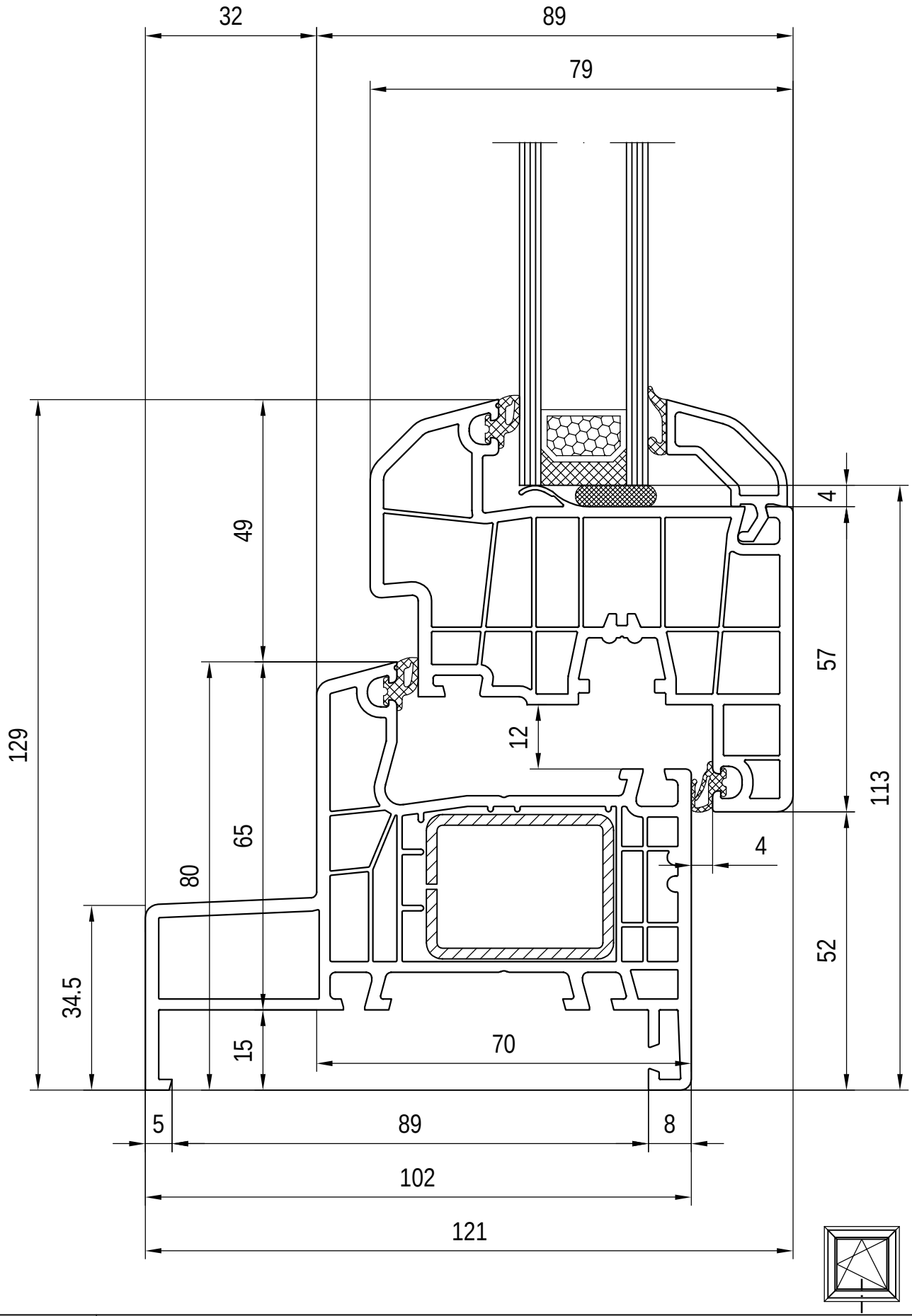

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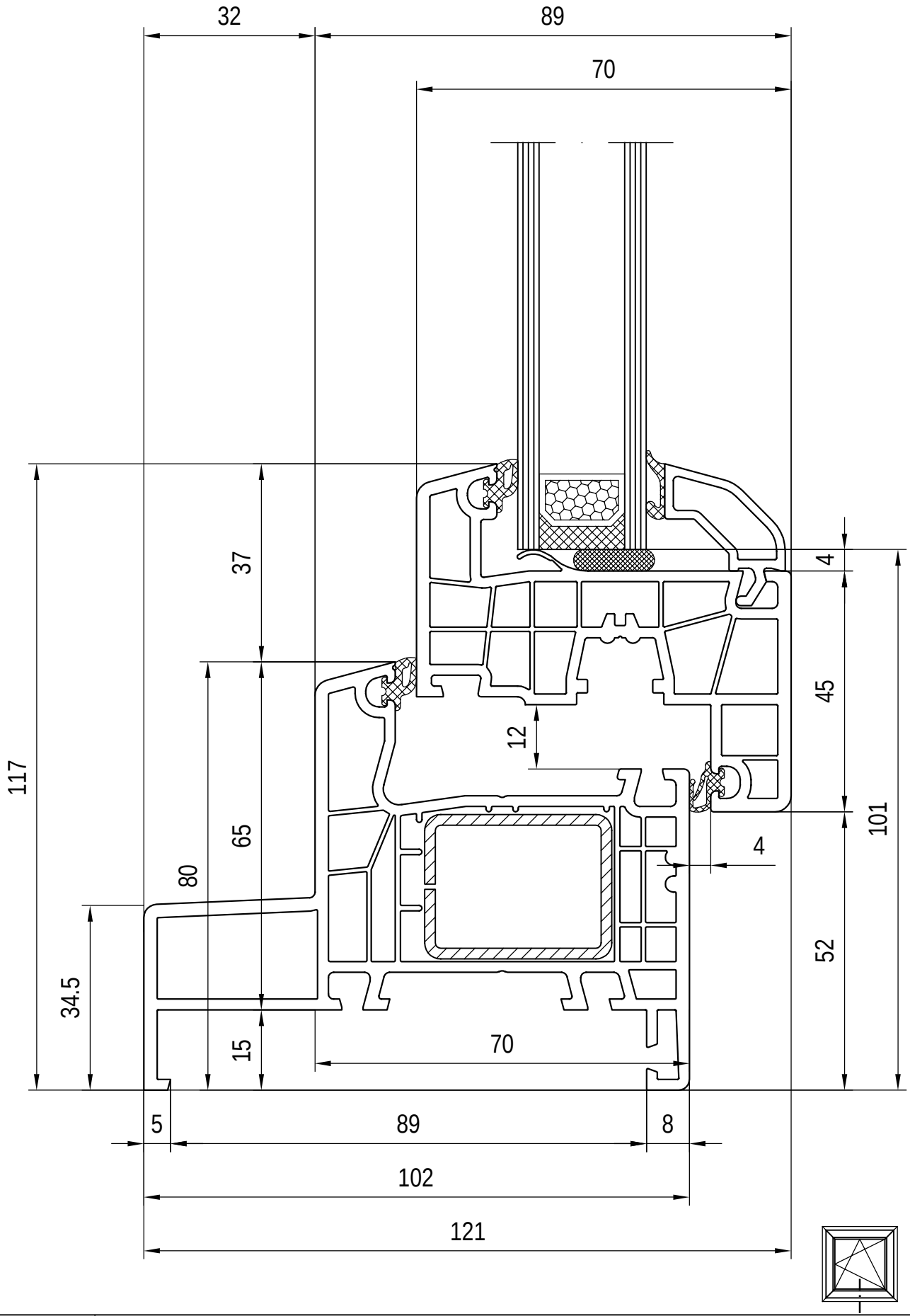


* Falzluft bei Haustüren links und rechts = 13mm

Kombinationen: Rahmen - Flügel
Glasleiste 120850/120880

(MB)-Rahmen 140x14
Flügel 140x38

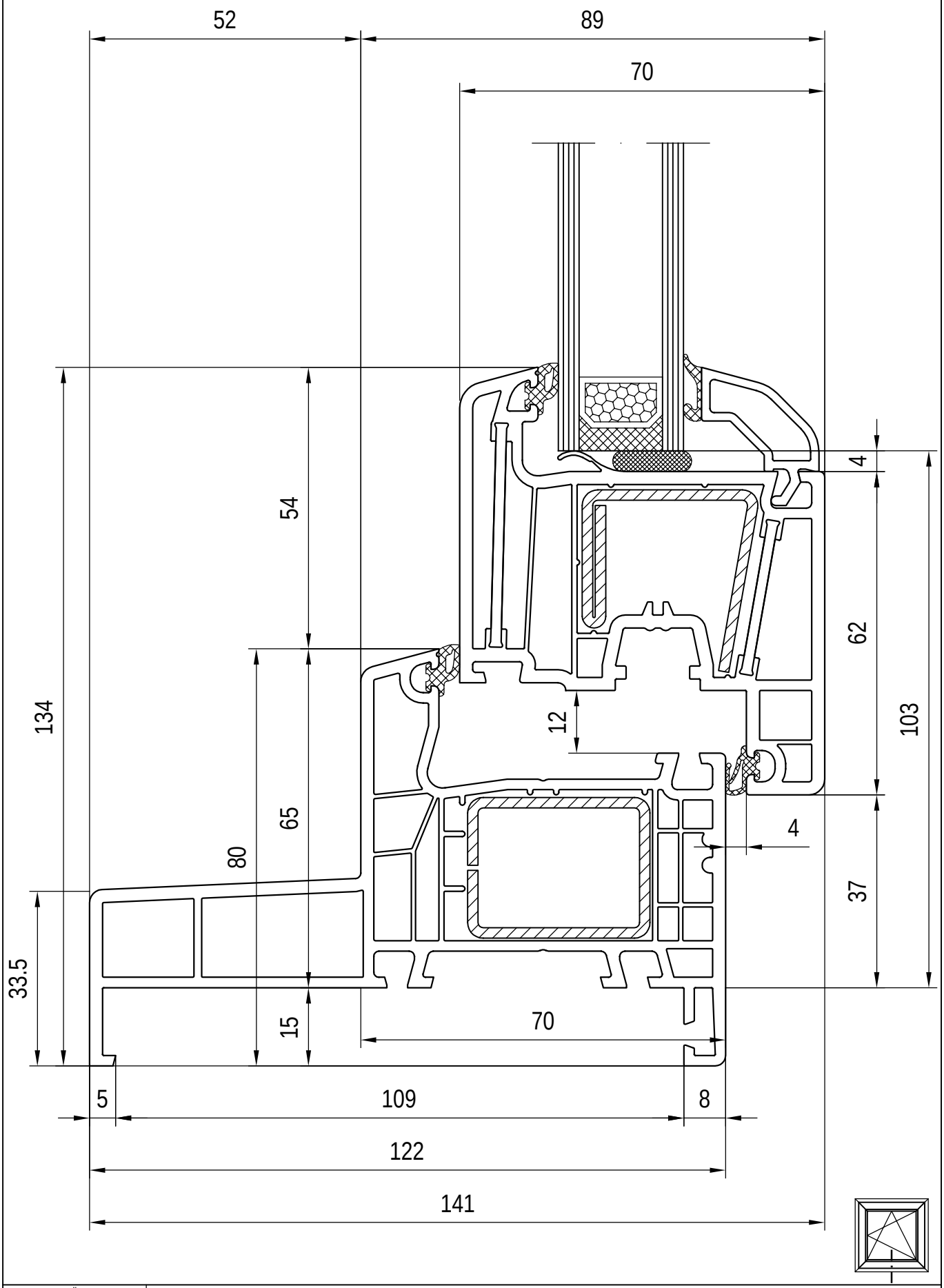

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Kombinationen: Rahmen - Flügel

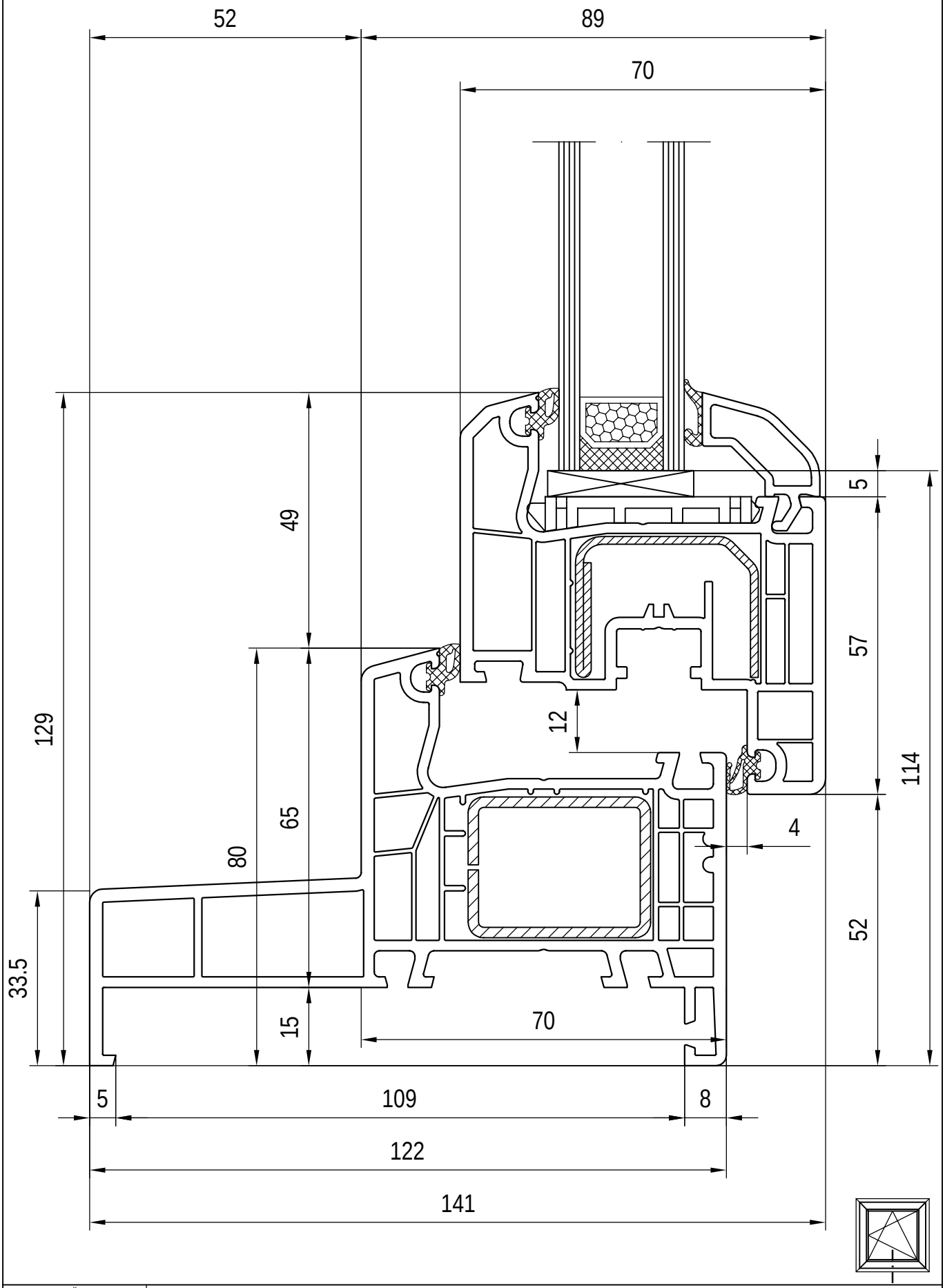
Glasleiste 120846/120876

(MB)-Rahmen 140x14
Flügel 140x86



Kombinationen: Rahmen - Flügel
Glasleiste 120846/120876

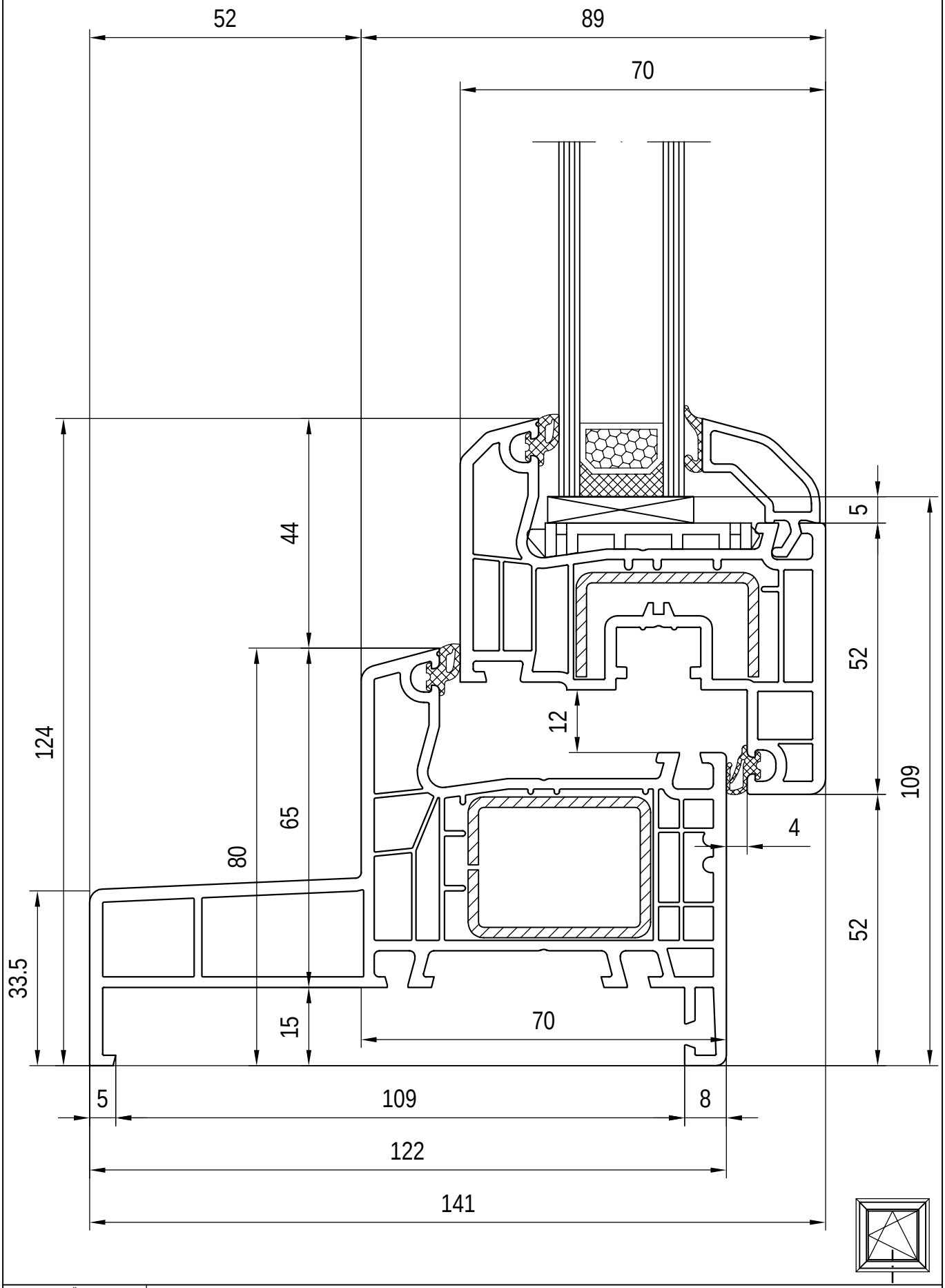
(MB)-Rahmen 140x16
Flügel 040x83



Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

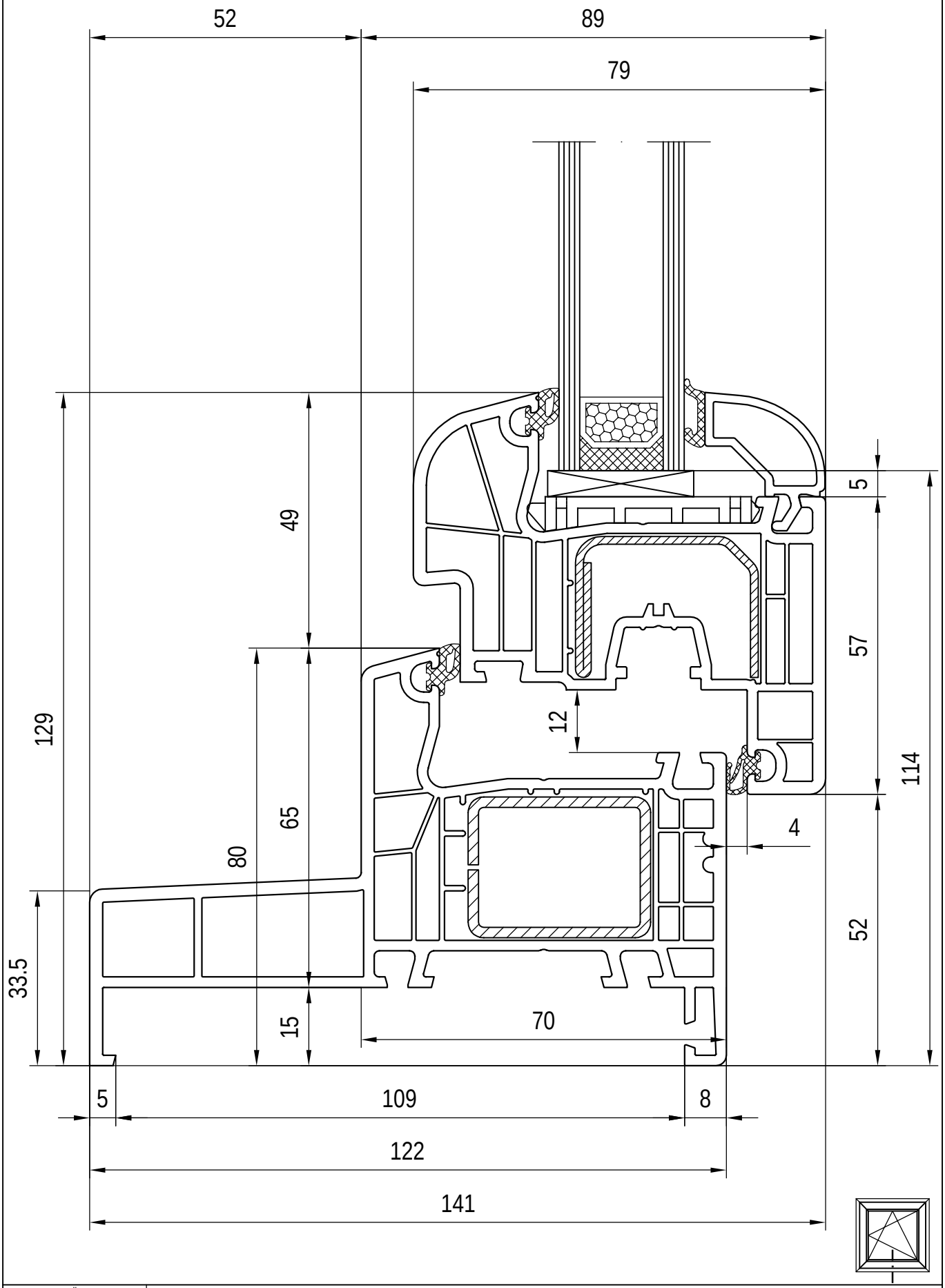
(MB)-Rahmen 140x16
Flügel 140x20

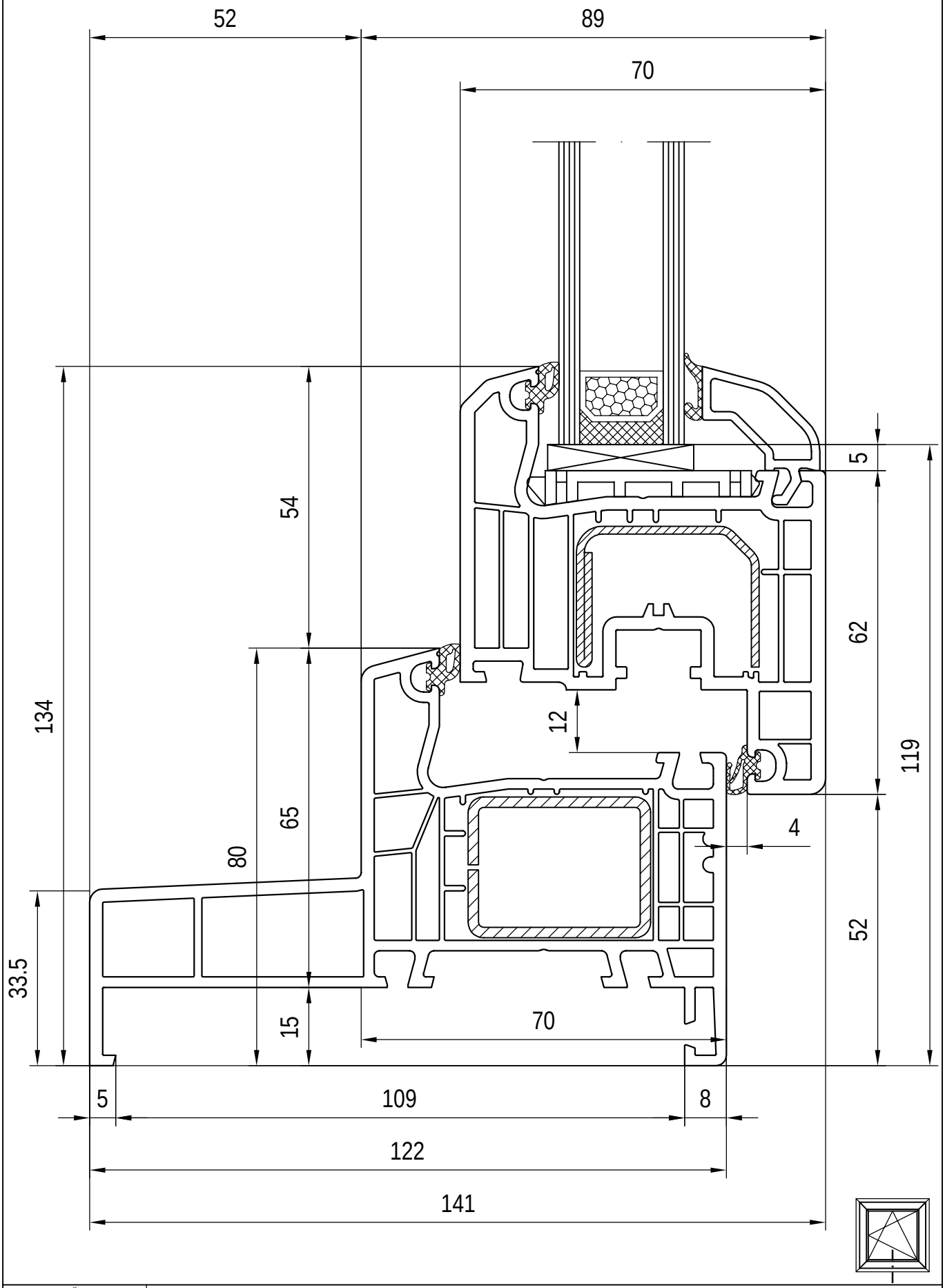


Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

(MB)-Rahmen 140x16
Flügel 140x21

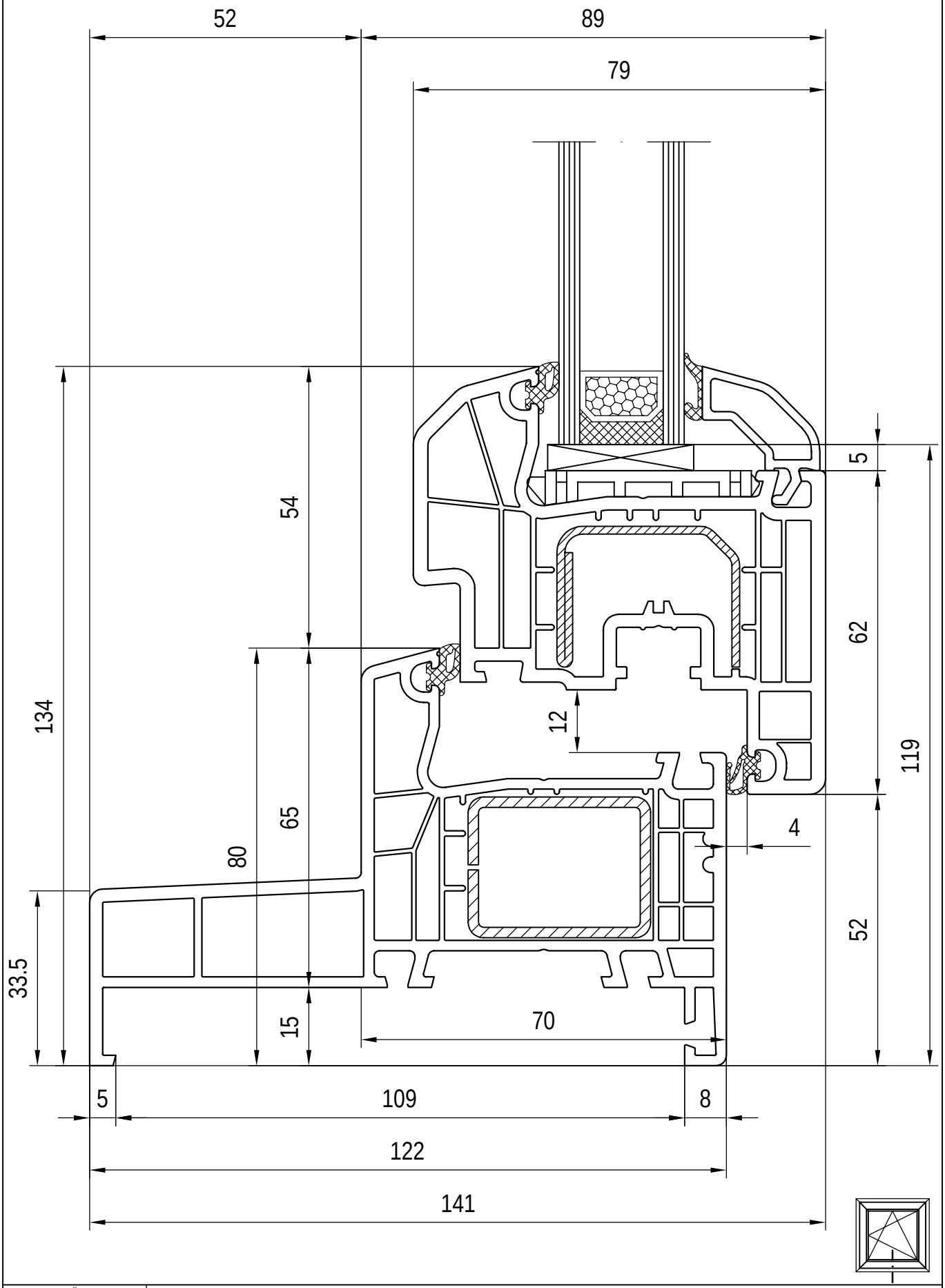

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Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

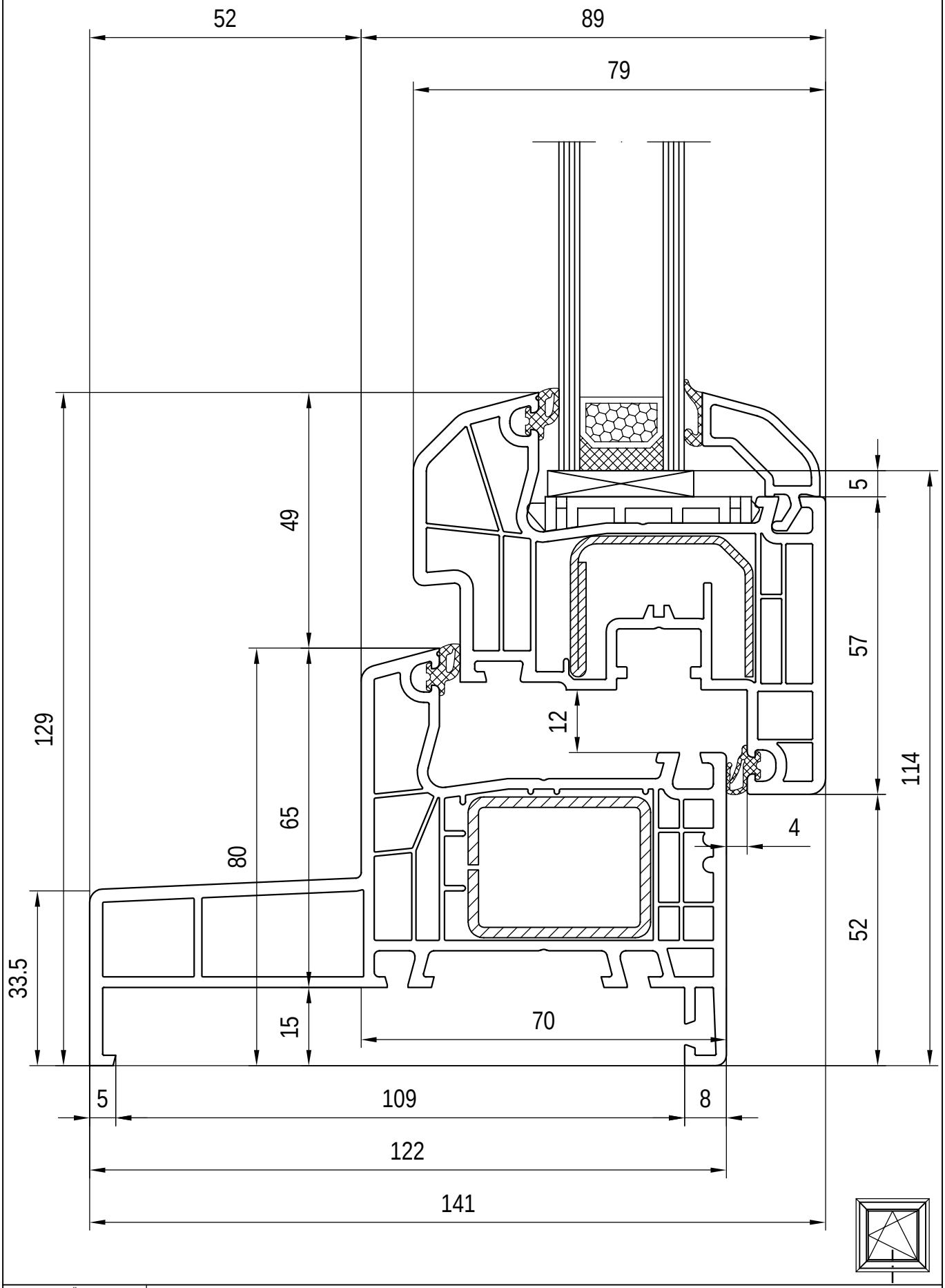
(MB)-Rahmen 140x16
Flügel 140x23

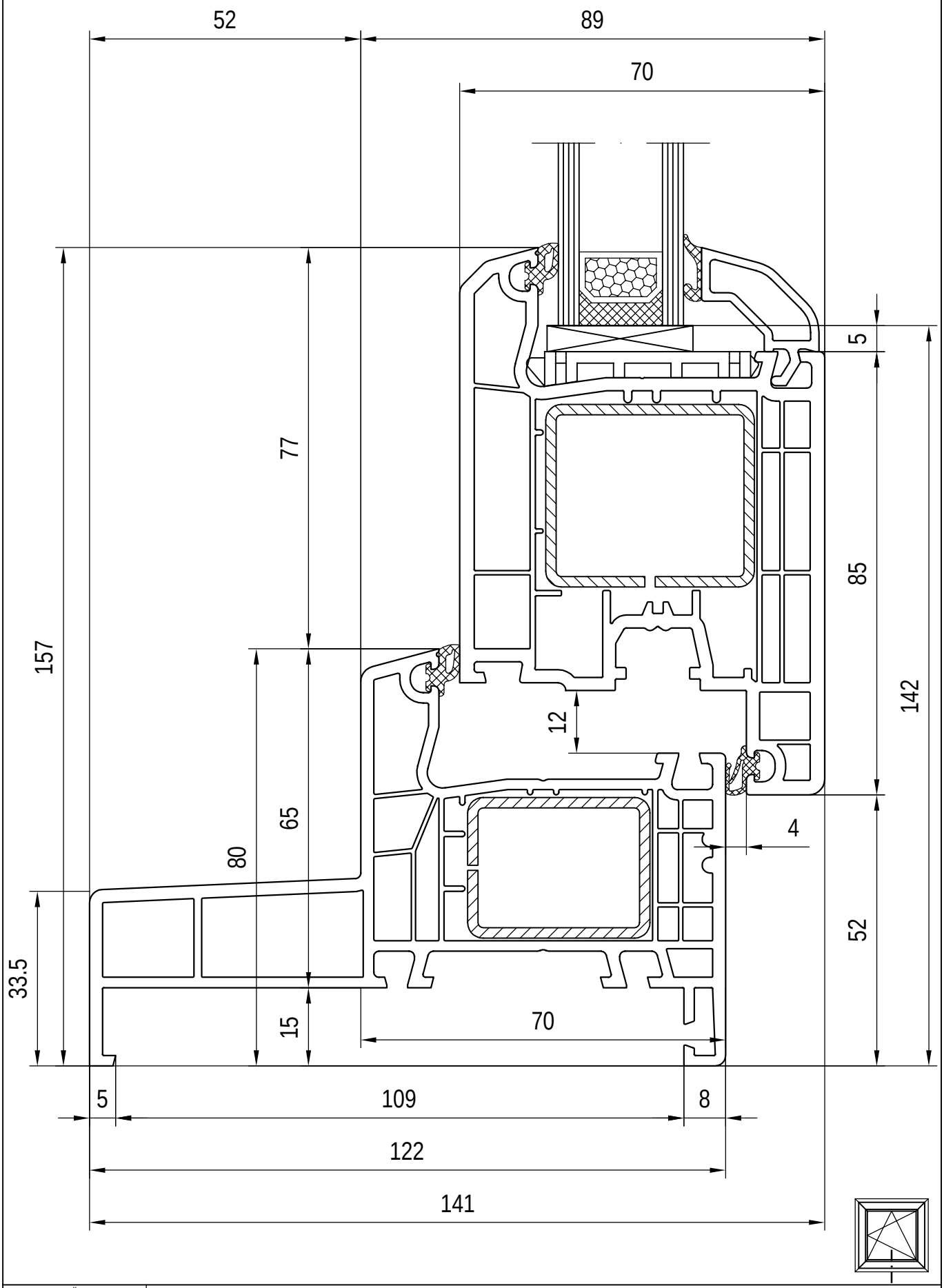


Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

(MB)-Rahmen 140x16
Flügel 140x25

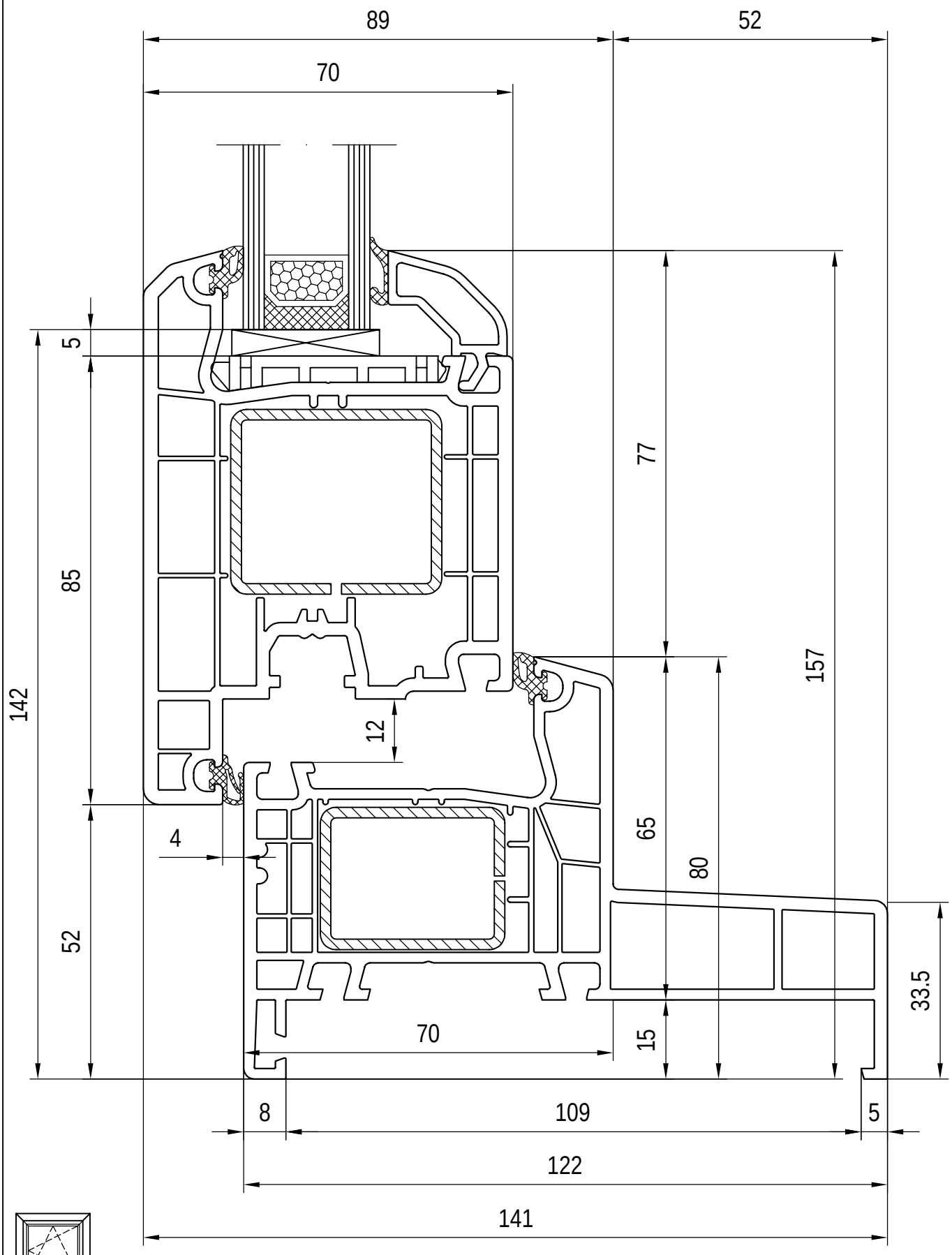

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Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

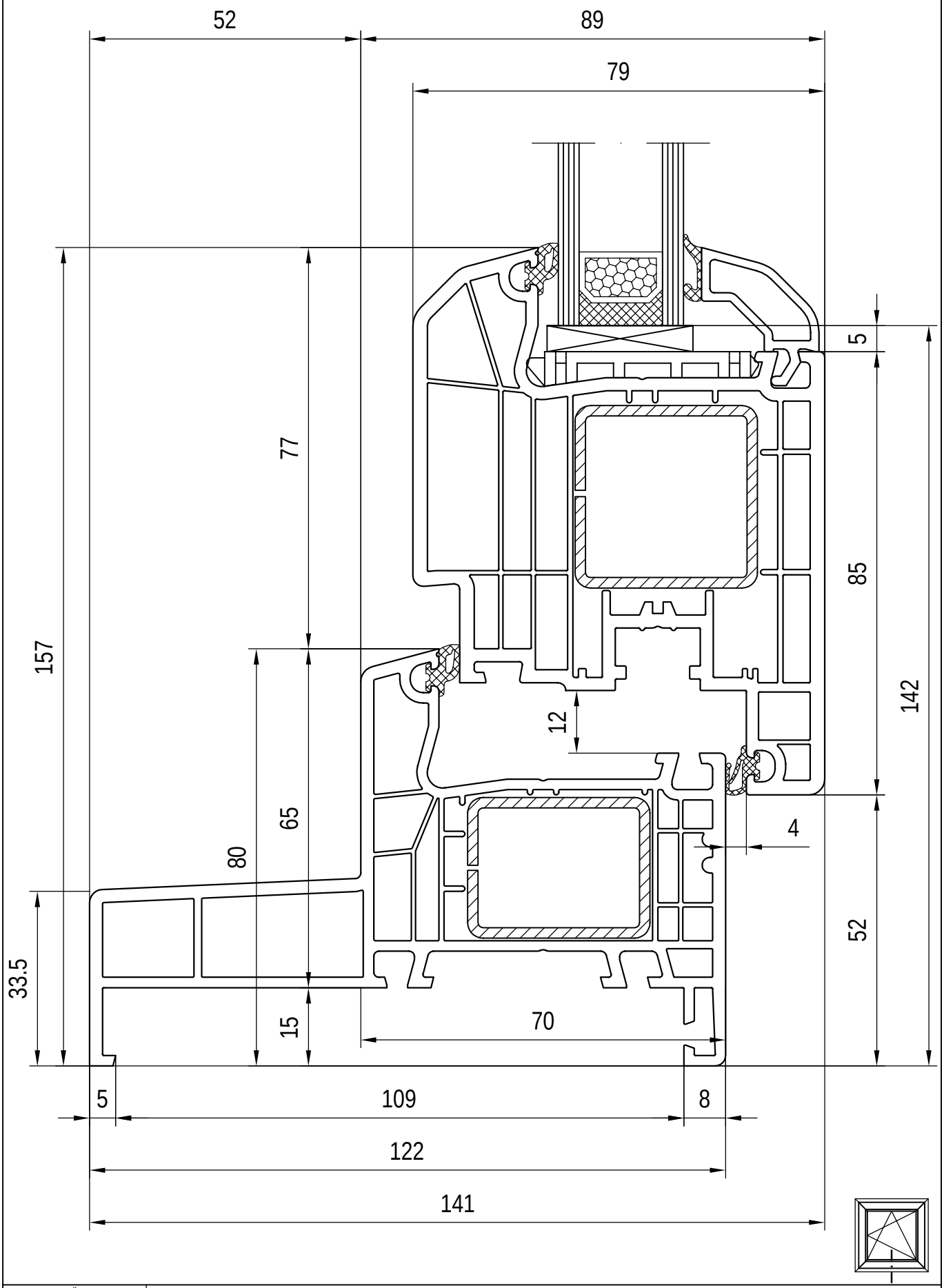
(MB)-Rahmen 140x16
Flügel 140x30



Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

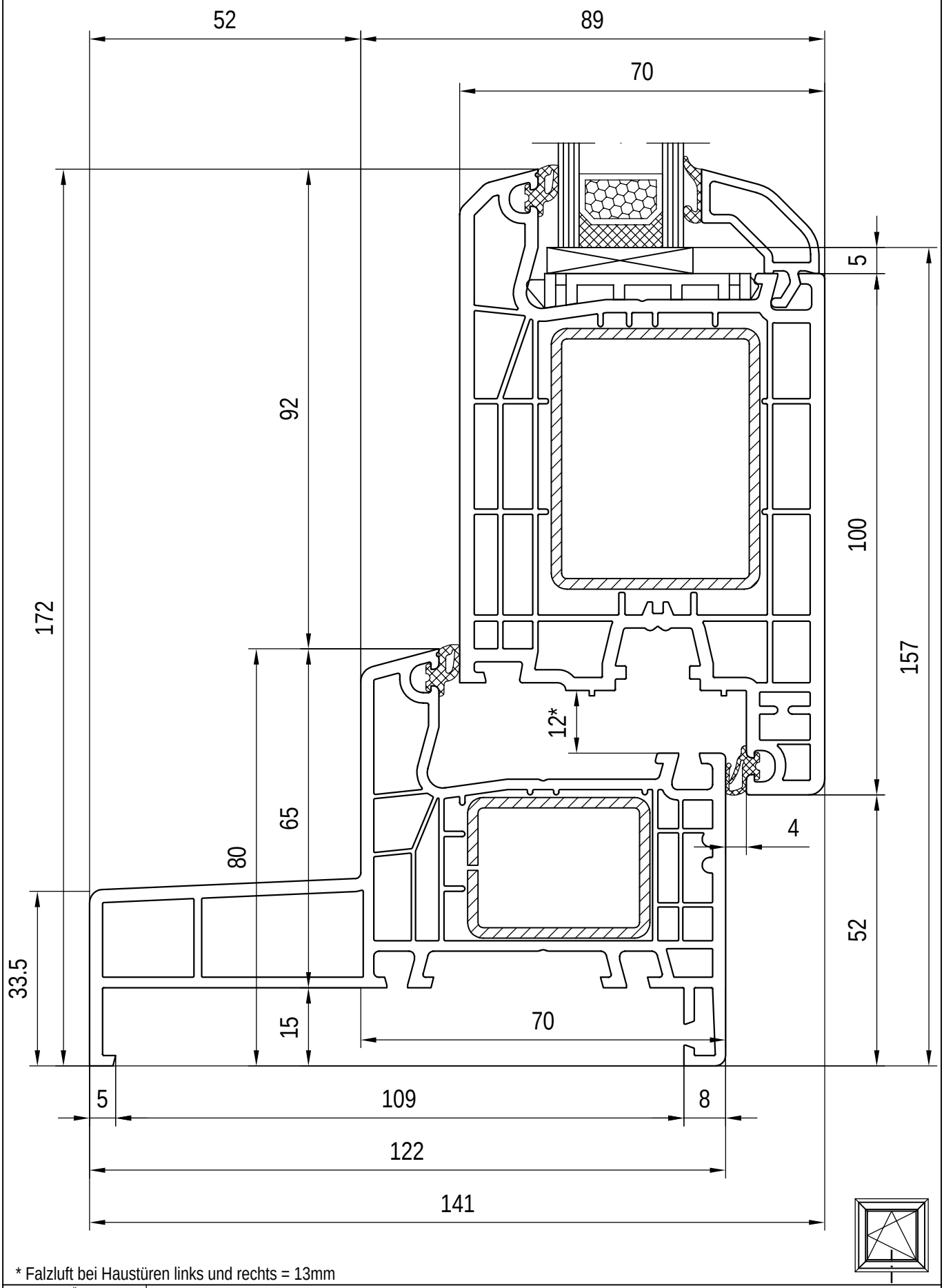
(MB)-Rahmen 140x16
Flügel 140x31



Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

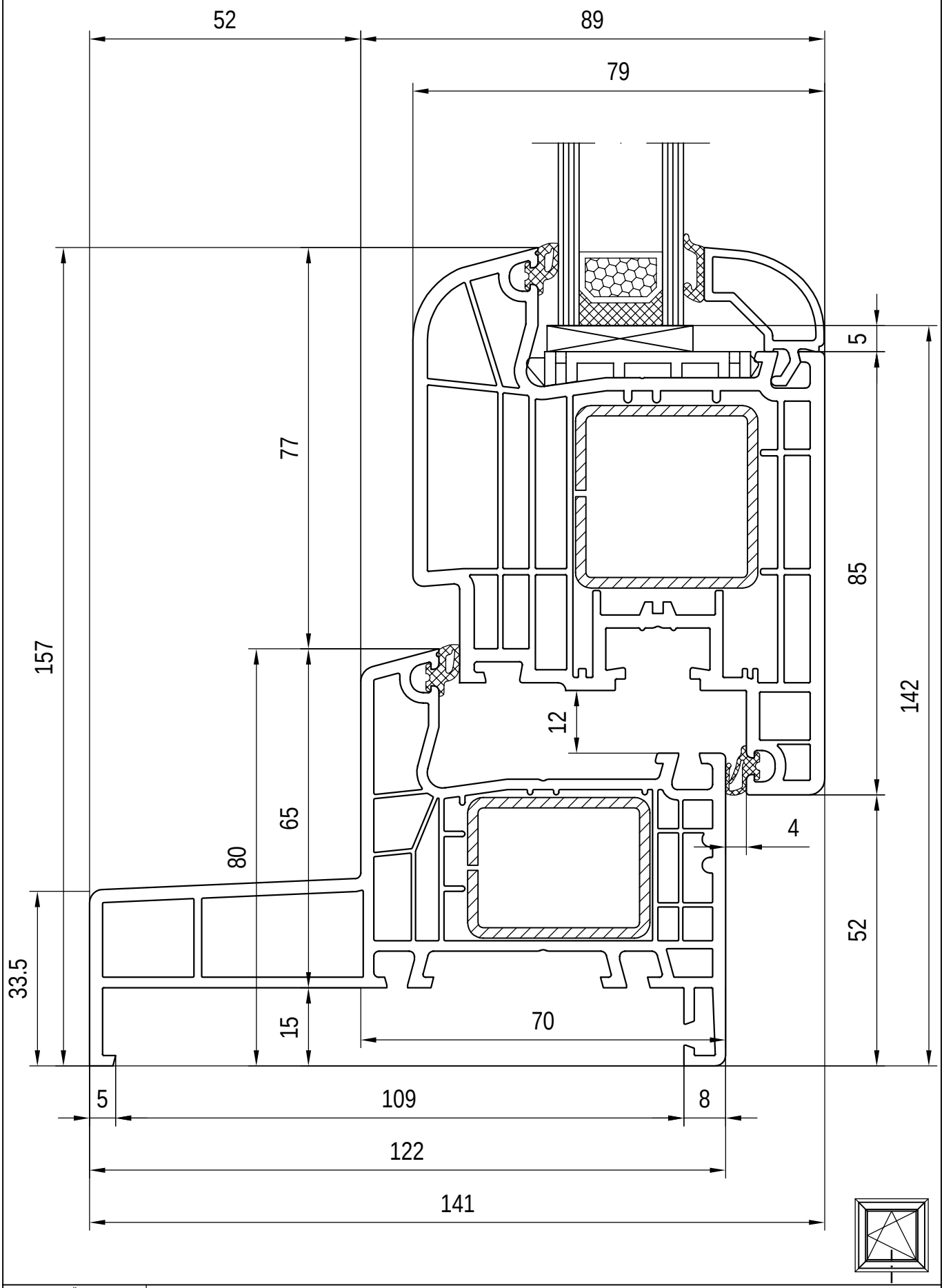
(MB)-Rahmen 140x16
Flügel 140x32



* Falzluft bei Haustüren links und rechts = 13mm

Kombinationen: Rahmen - Flügel
Glasleiste 120846/120876

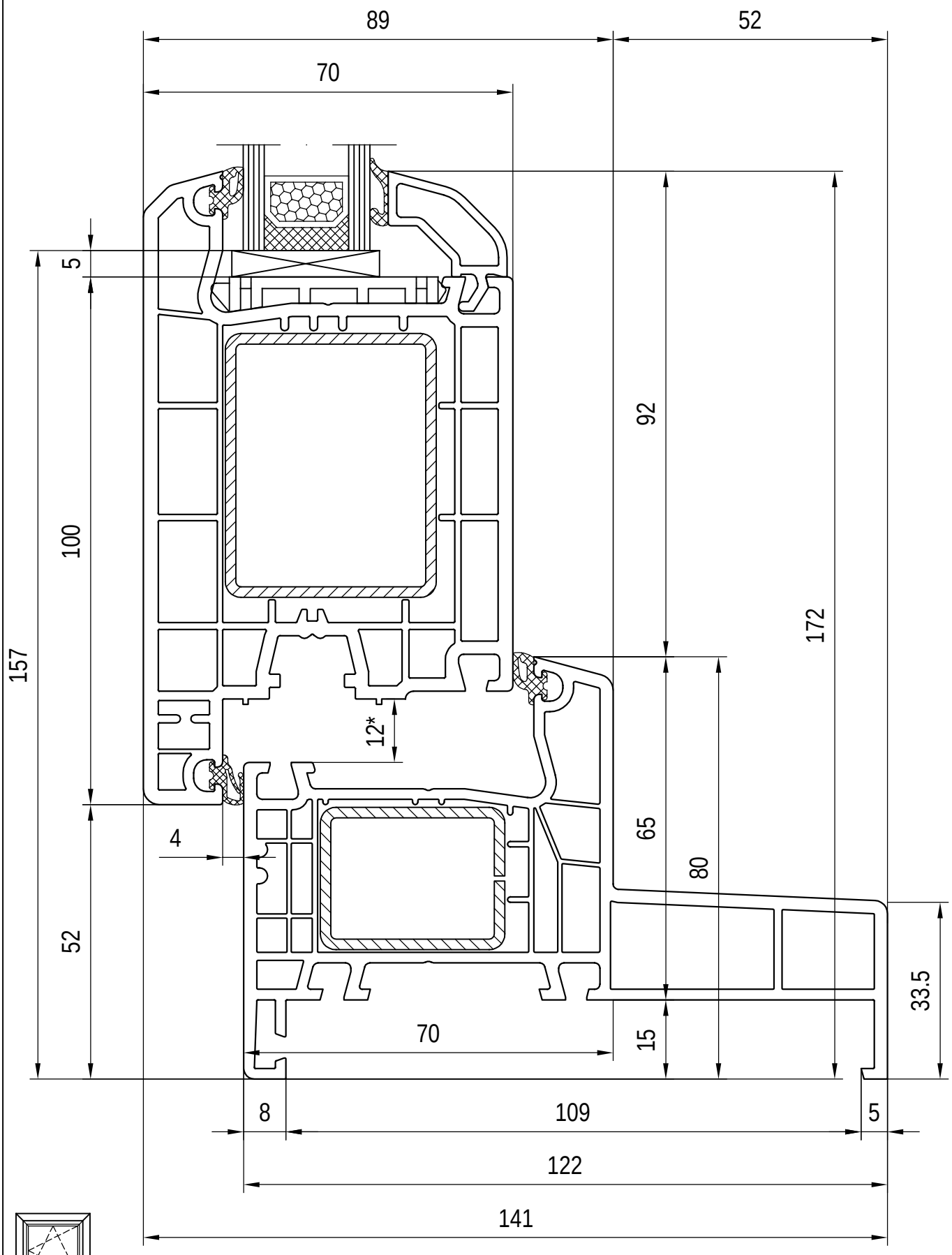
(MB)-Rahmen 140x16
Flügel 140x33



Kombinationen: Rahmen - Flügel

Glasleiste 120850/120880

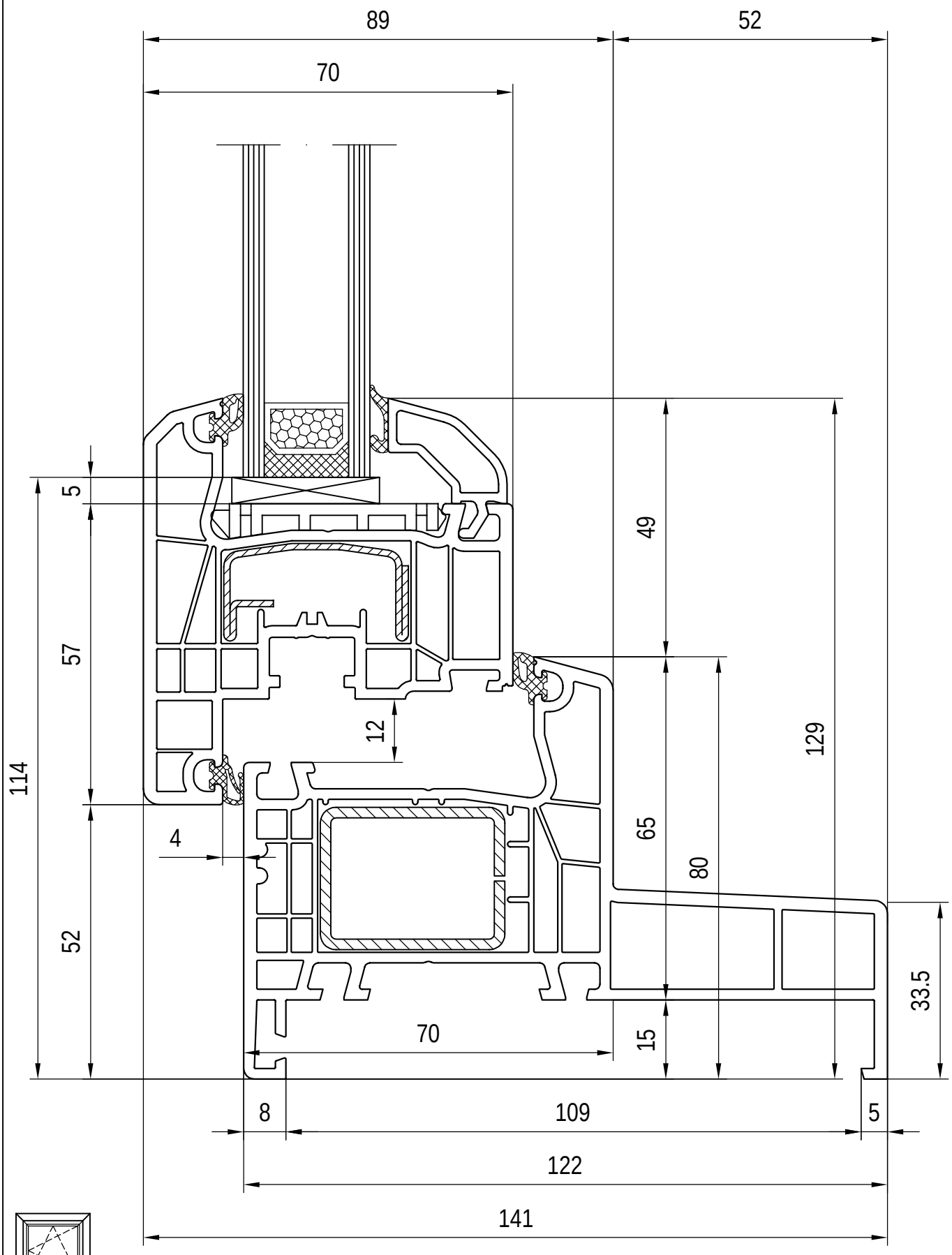
(MB)-Rahmen 140x16
Flügel 140x34

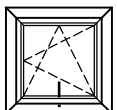


* Falzluft bei Haustüren links und rechts = 13mm

Kombinationen: Rahmen - Flügel
Glasleiste 120846/120876

(MB)-Rahmen 140x16
Flügel 140x35





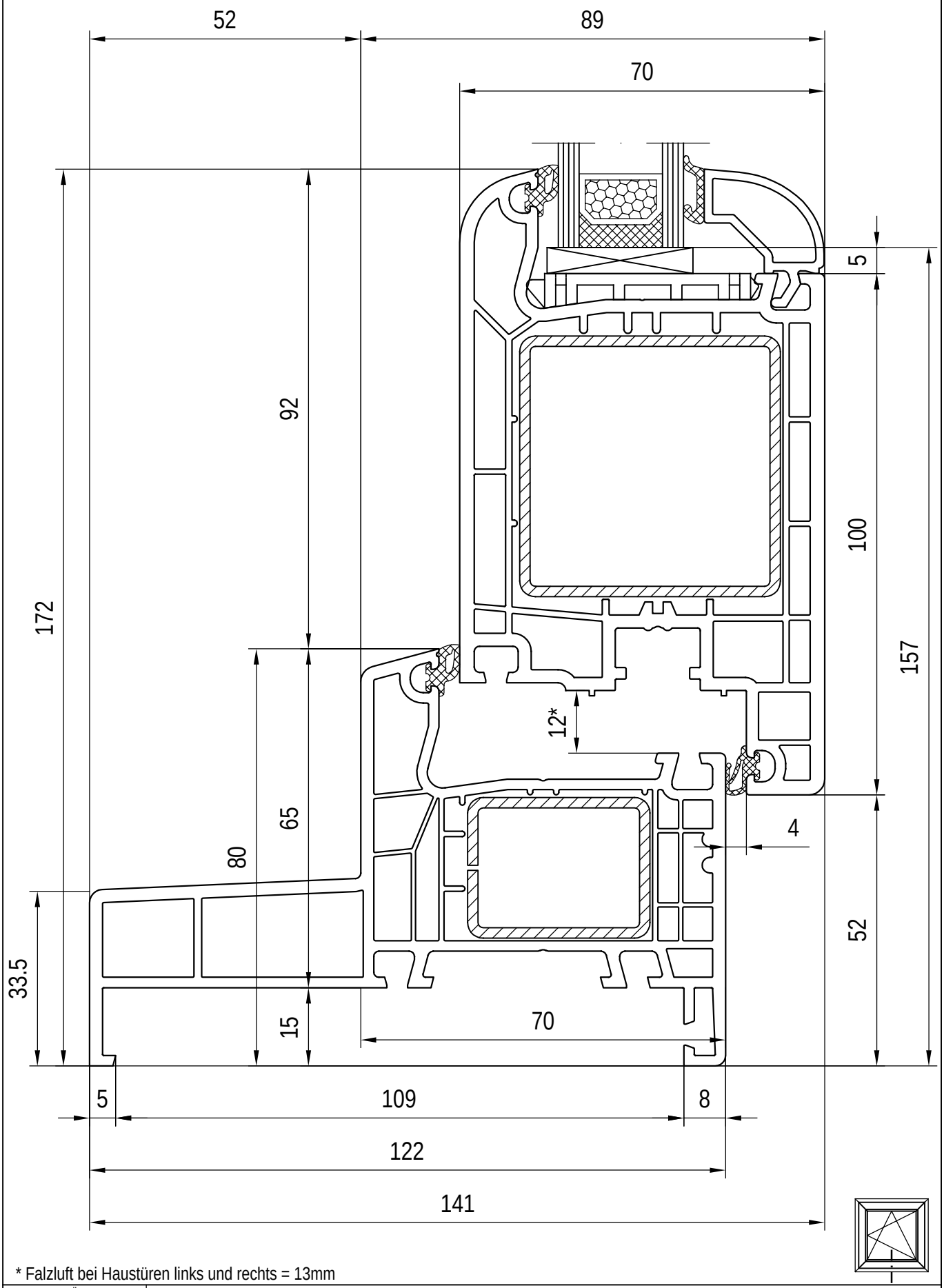
Technische Änderungen und Irrtümer vorbehalten!

Maßstab: 1:1
03_D_01_4*

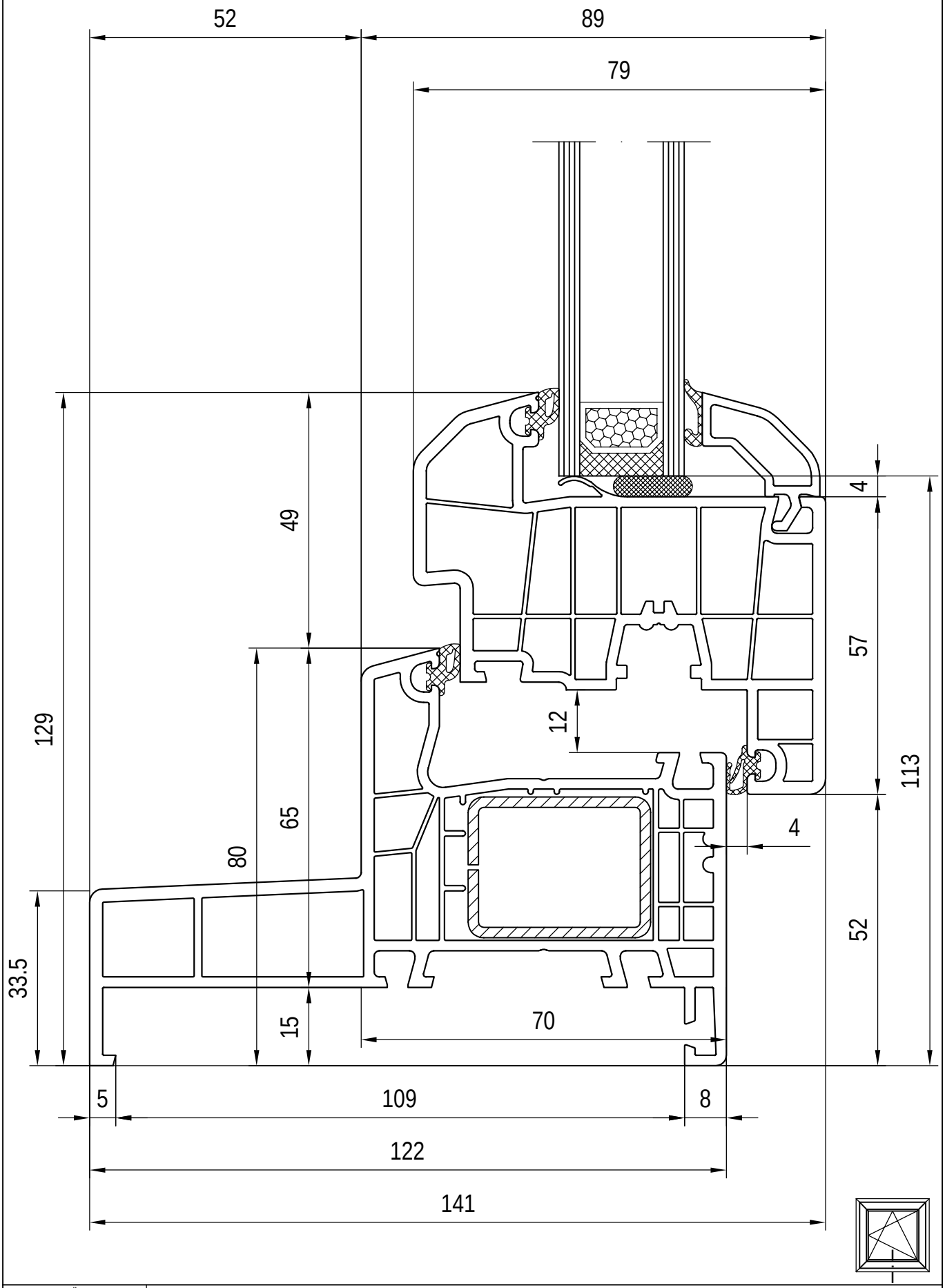
Kombinationen: Rahmen - Flügel

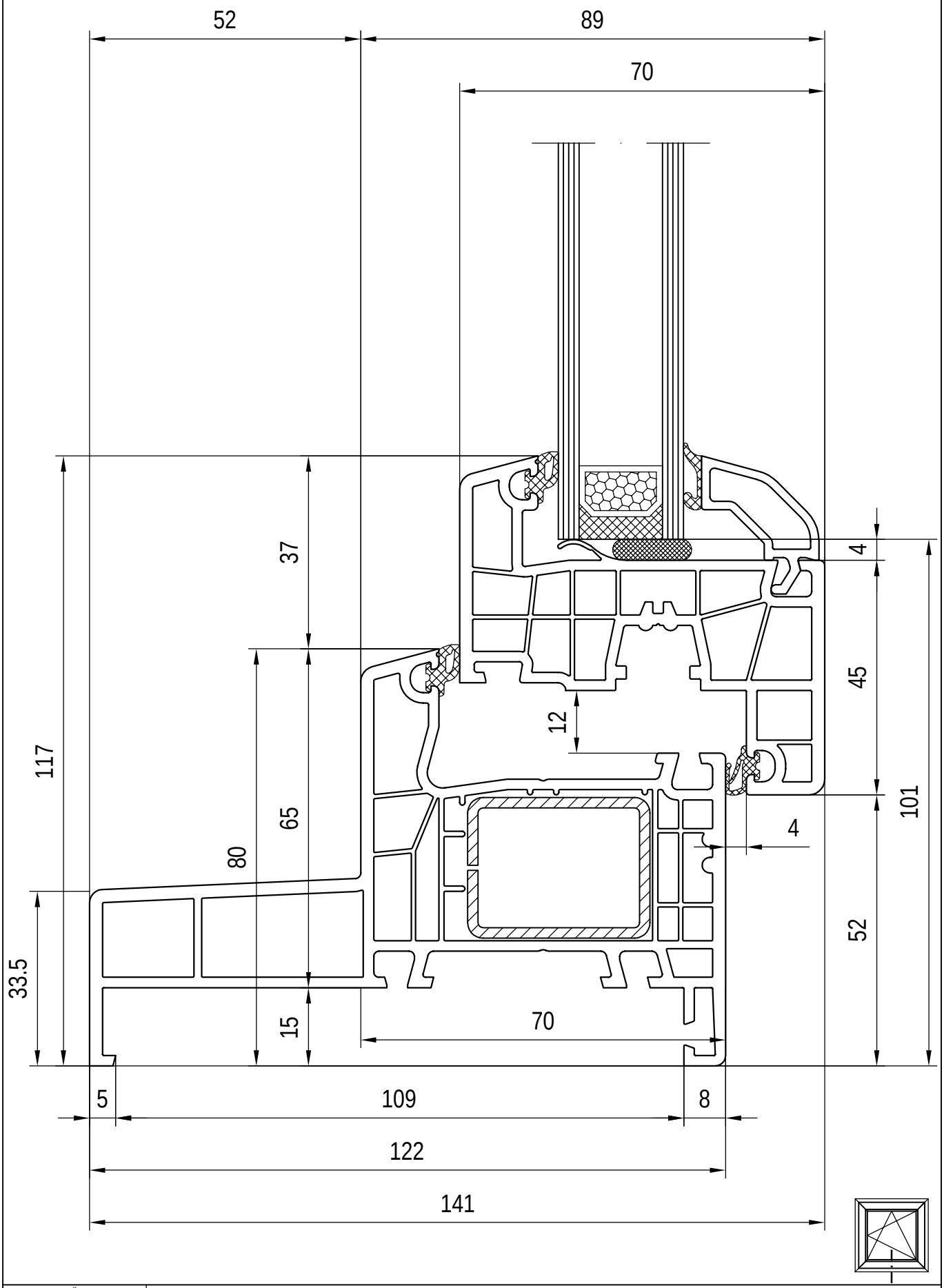
Glasleiste 120846/120876

(MB)-Rahmen 140x16
Flügel 140x37



* Falzluft bei Haustüren links und rechts = 13mm

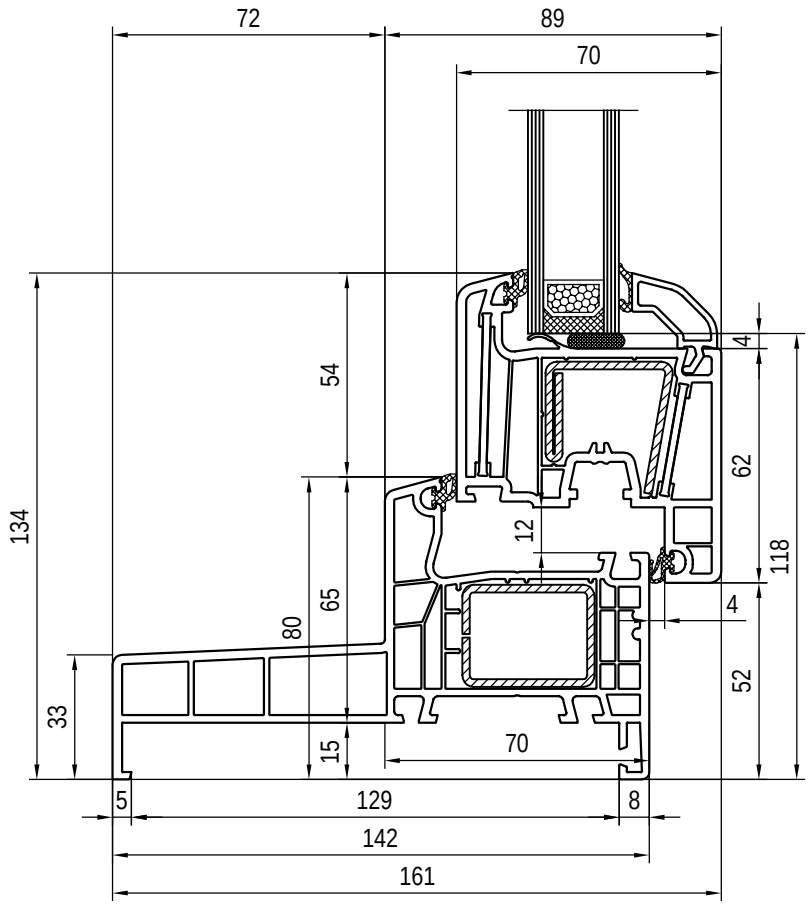

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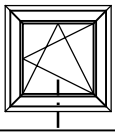


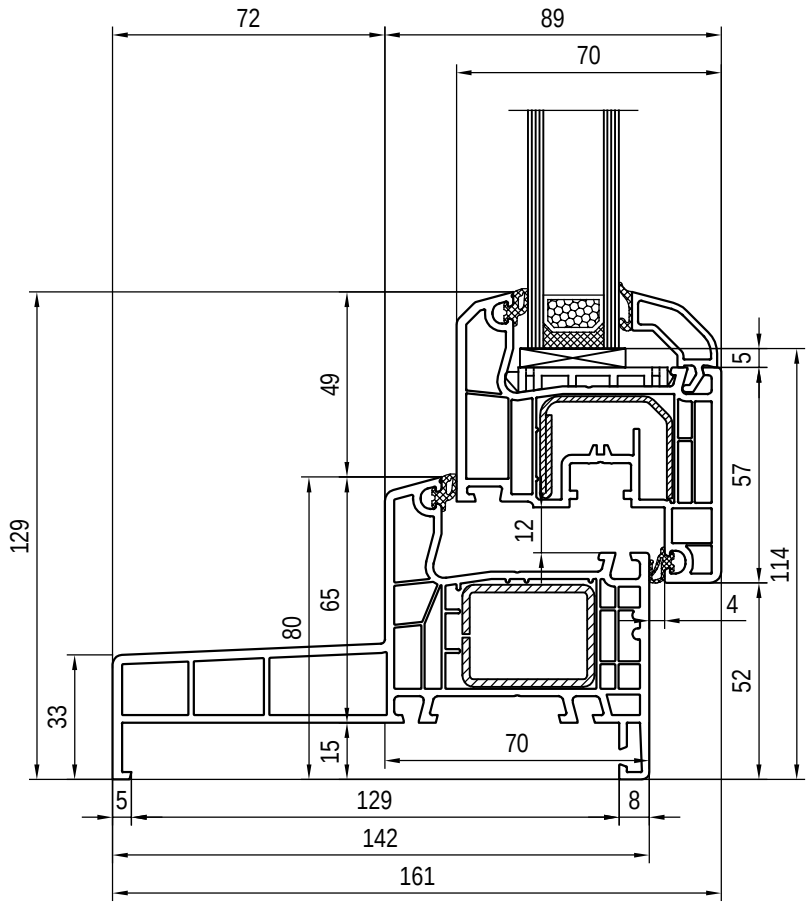
Kombinationen: Rahmen - Flügel

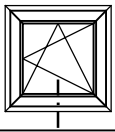
Glasleiste 120846/120876

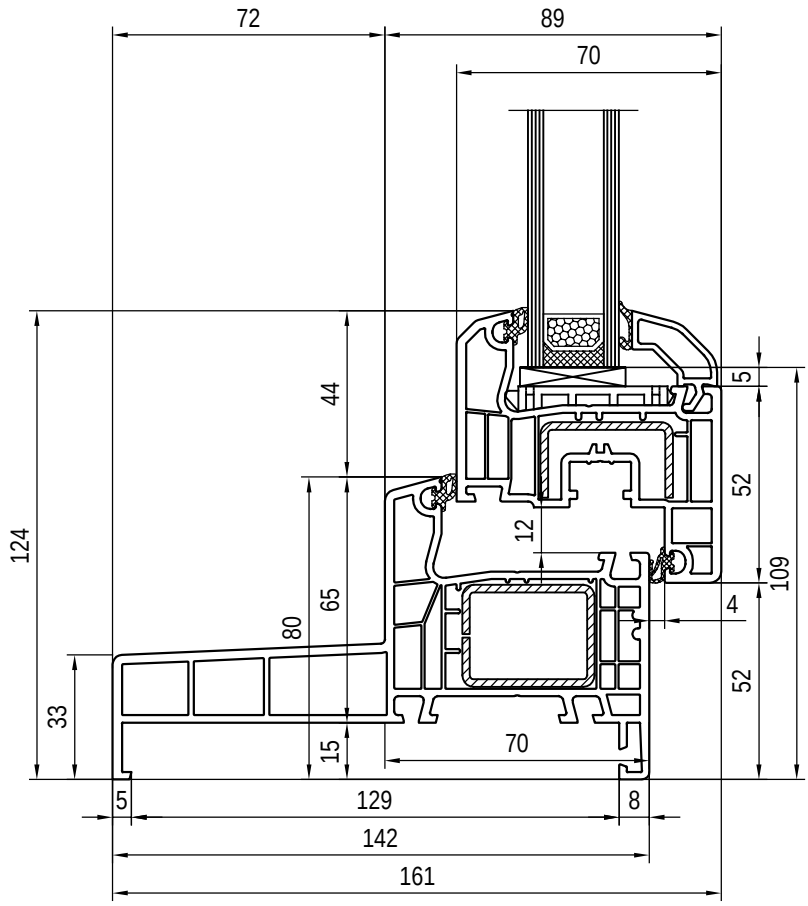
(MB)-Rahmen 140x16
Flügel 140x86

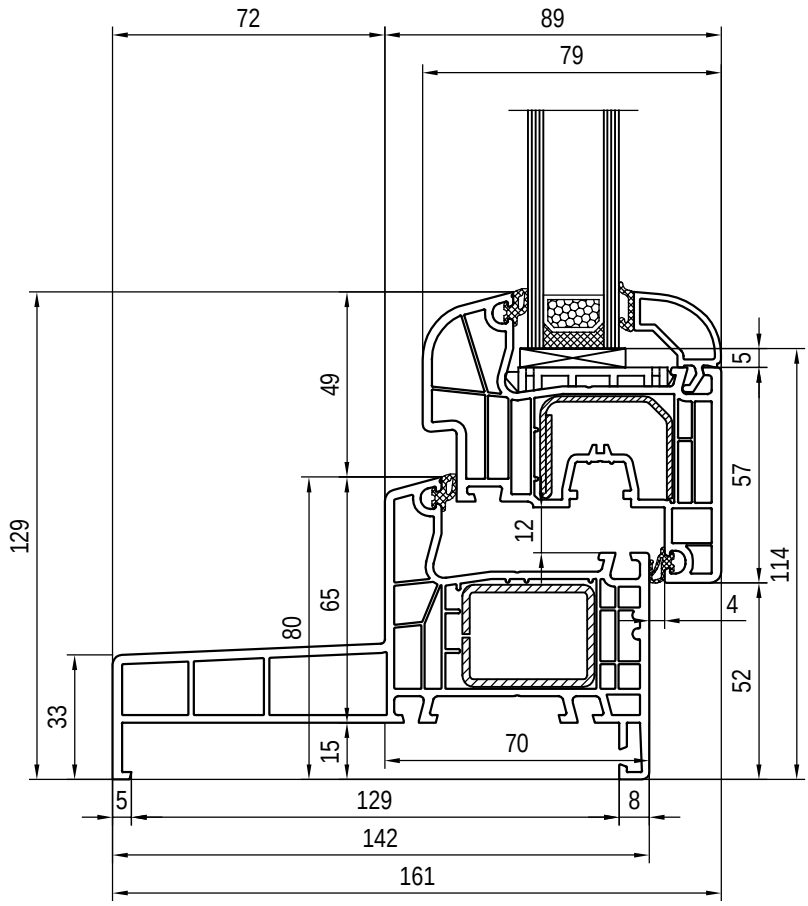

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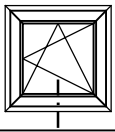


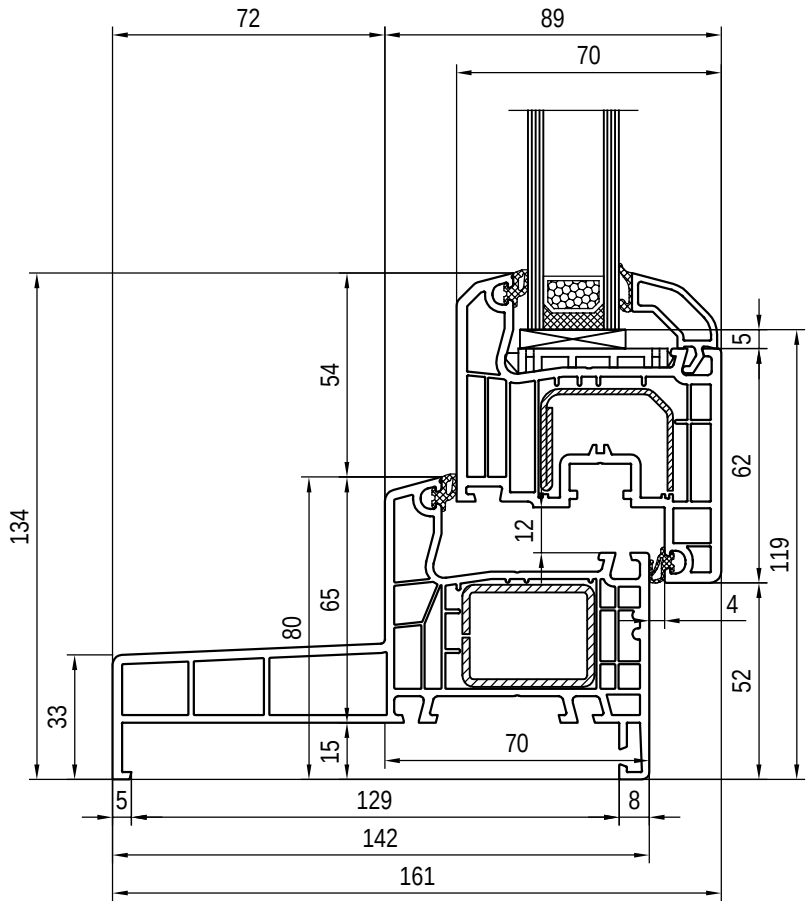

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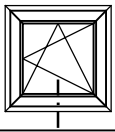


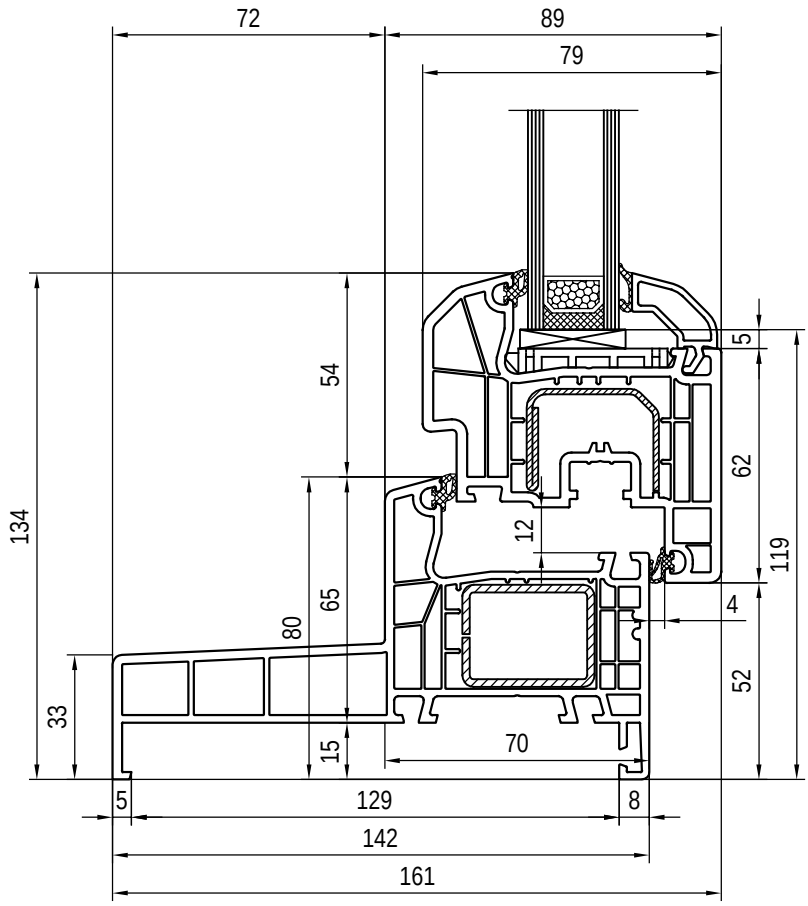

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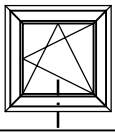

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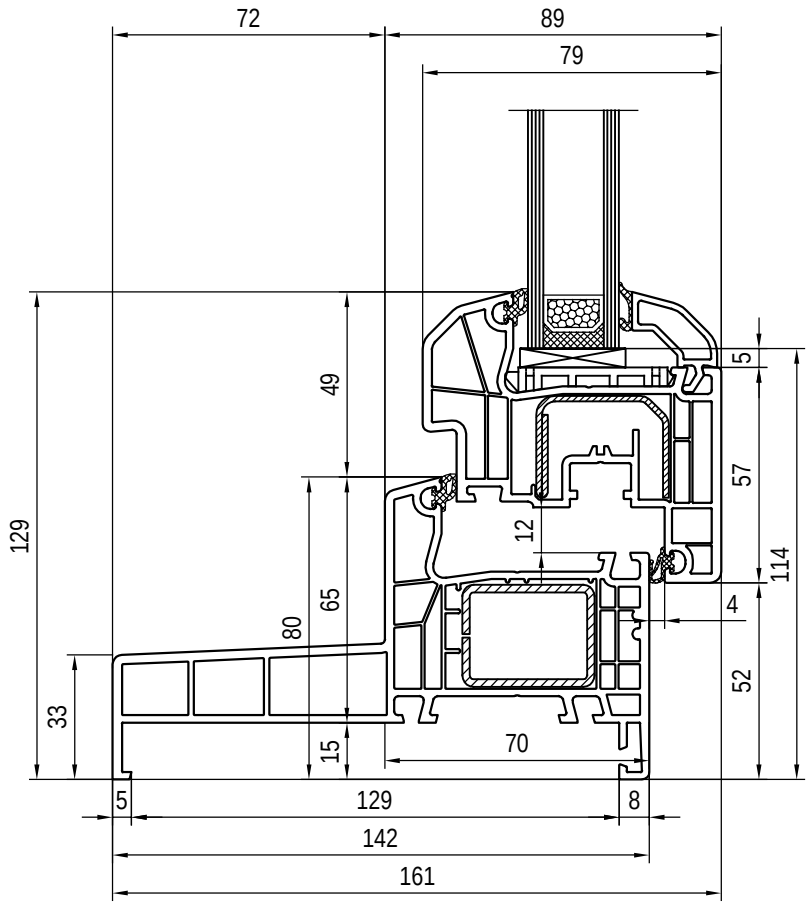


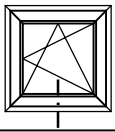

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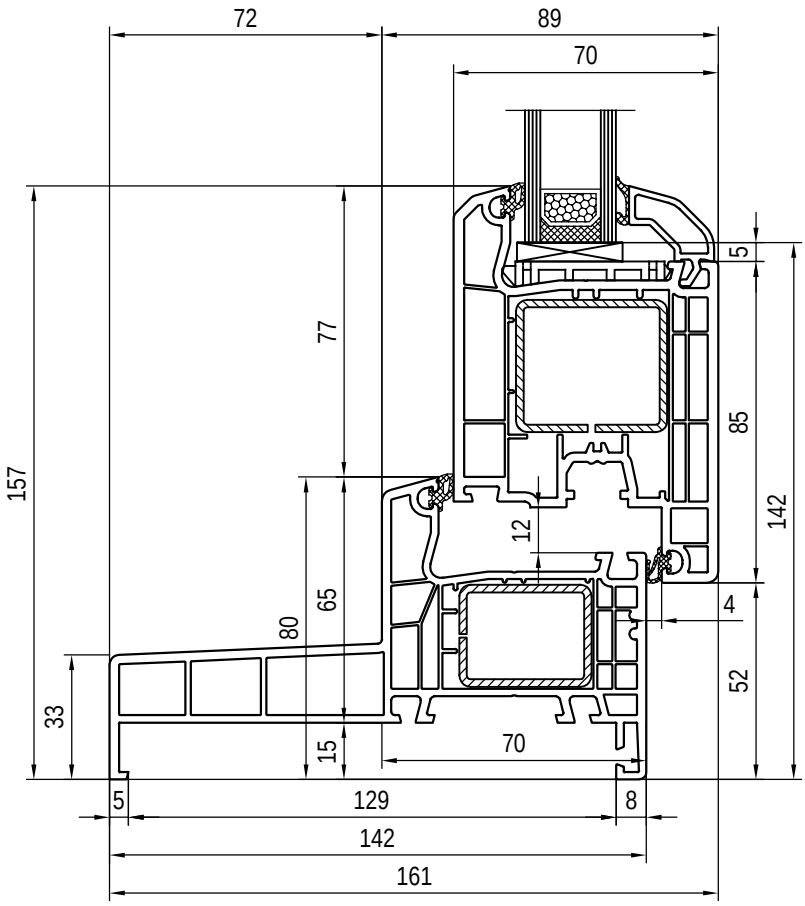


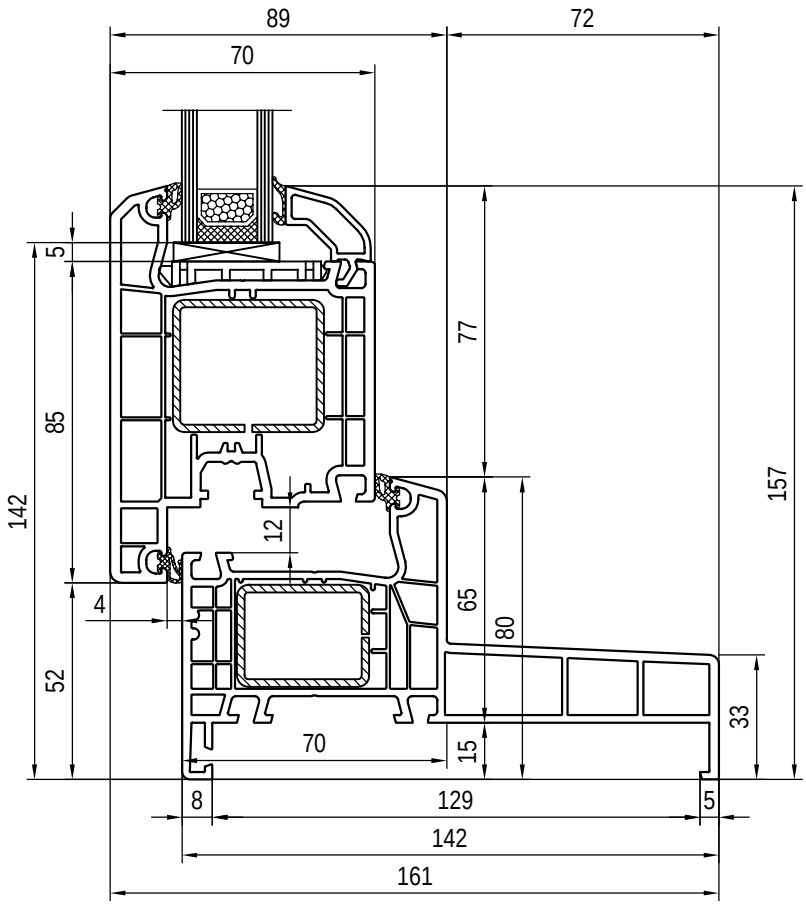

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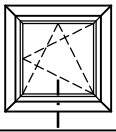



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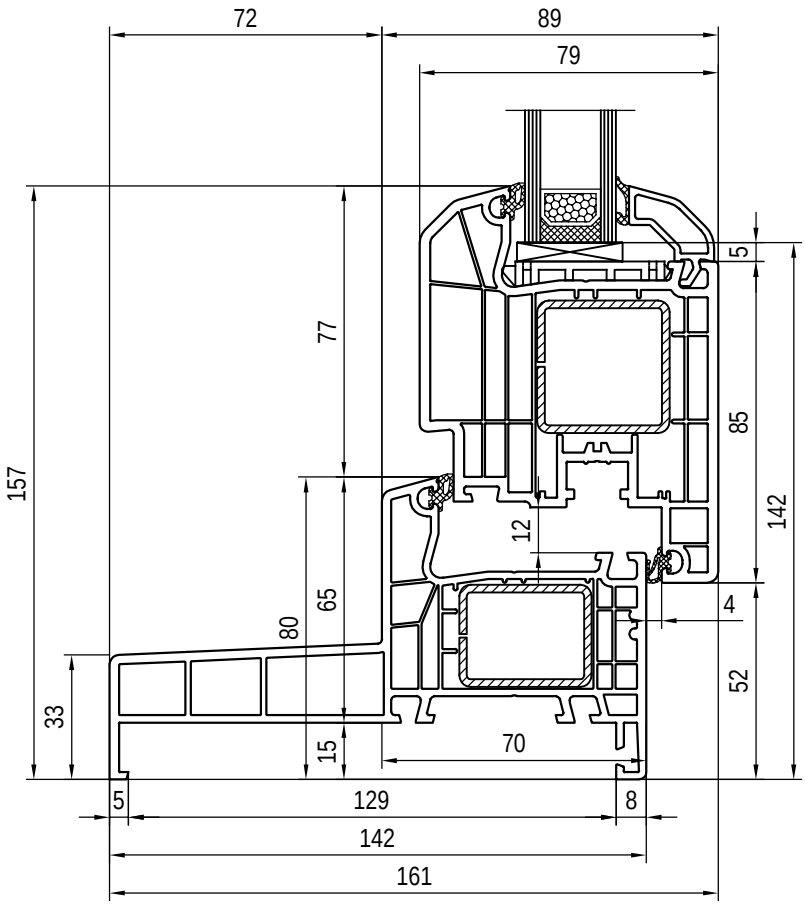




Kombinationen: Rahmen - Flügel

Glasleiste 120846/120876

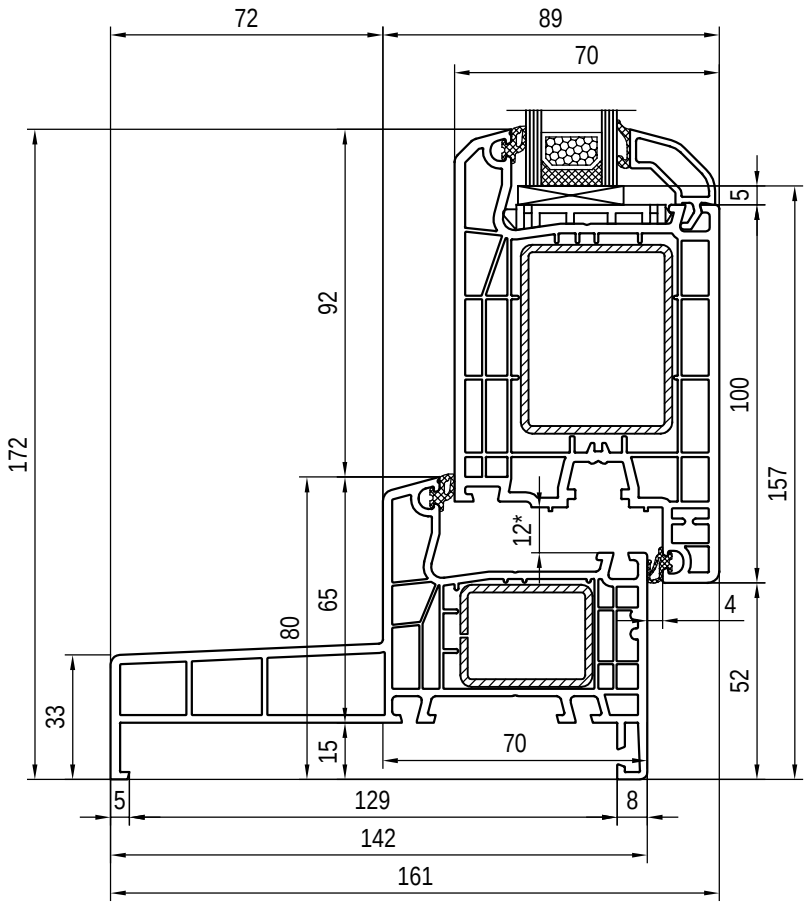
(MB)-Rahmen 140x18
Flügel 140x31



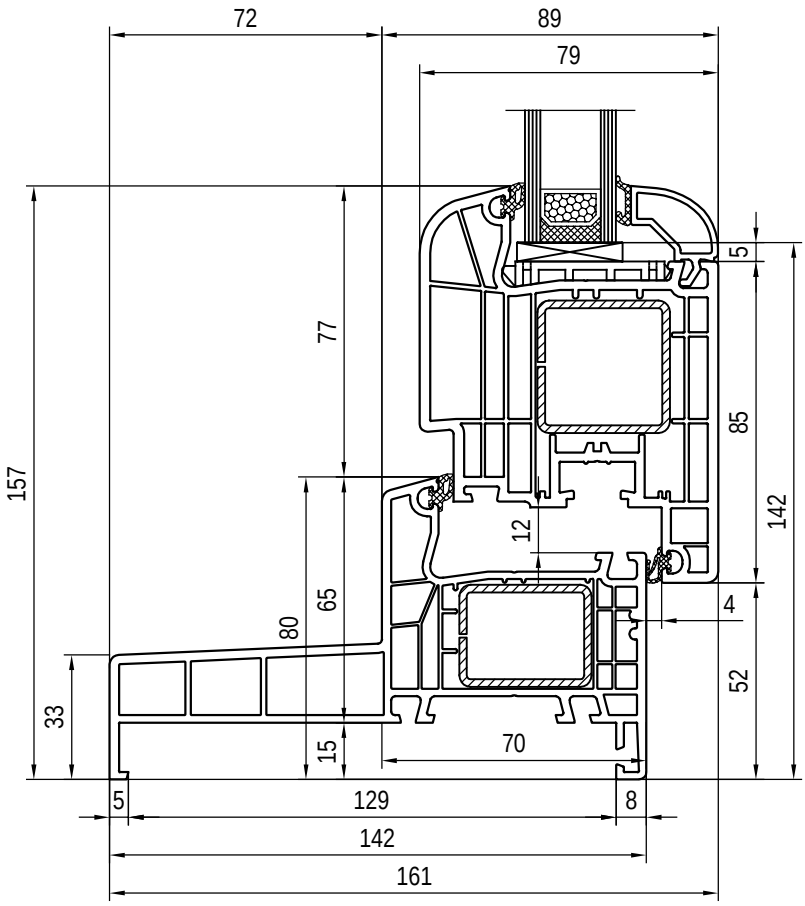
Kombinationen: Rahmen - Flügel

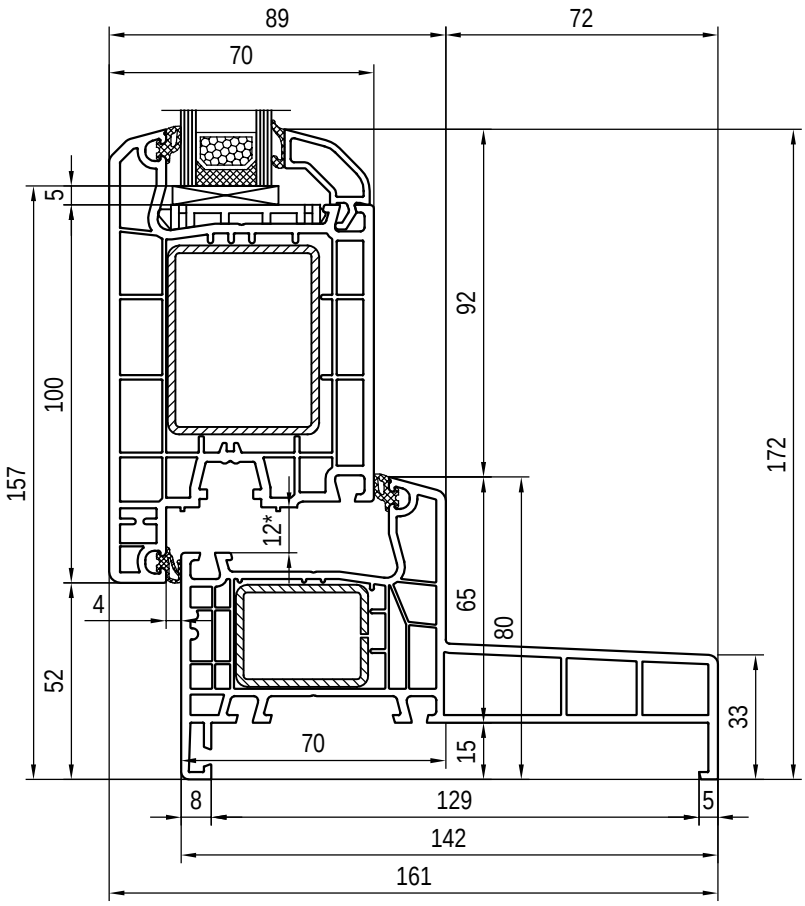
Glasleiste 120846/120876

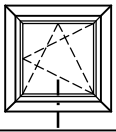
(MB)-Rahmen 140x18
Flügel 140x32



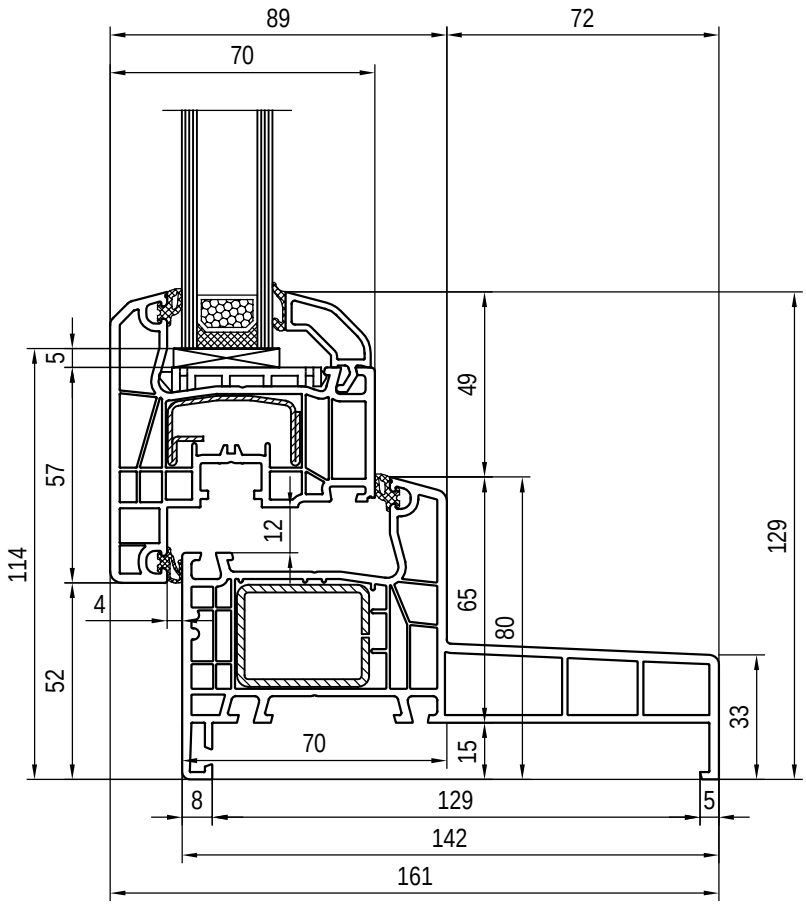
* Falzluft bei Haustüren links und rechts = 13mm

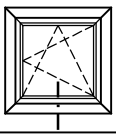

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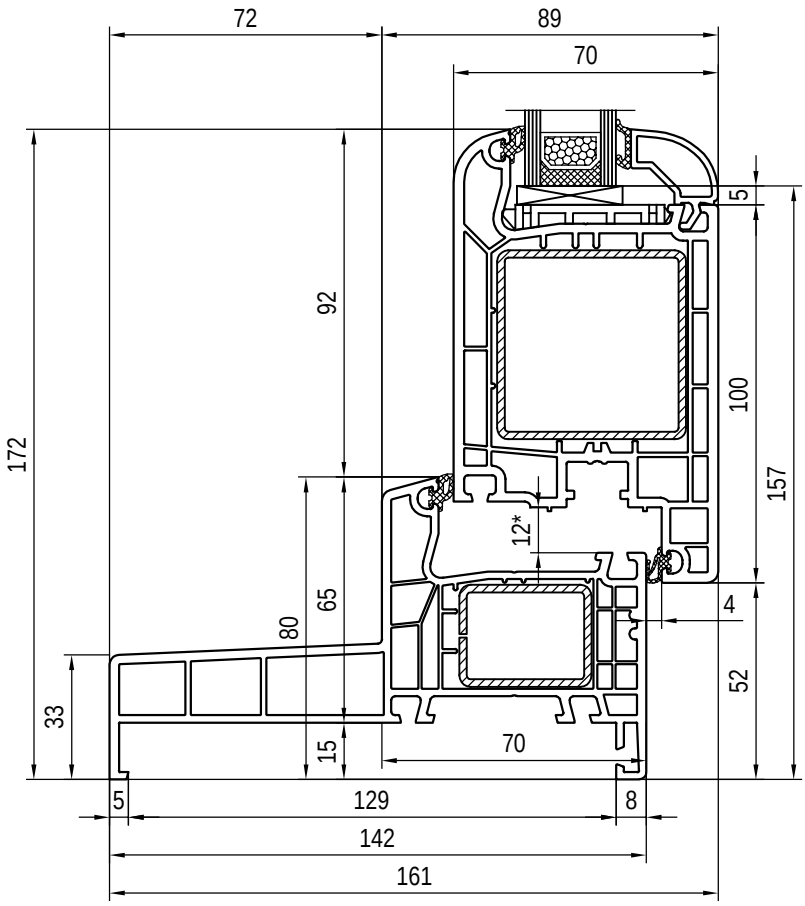




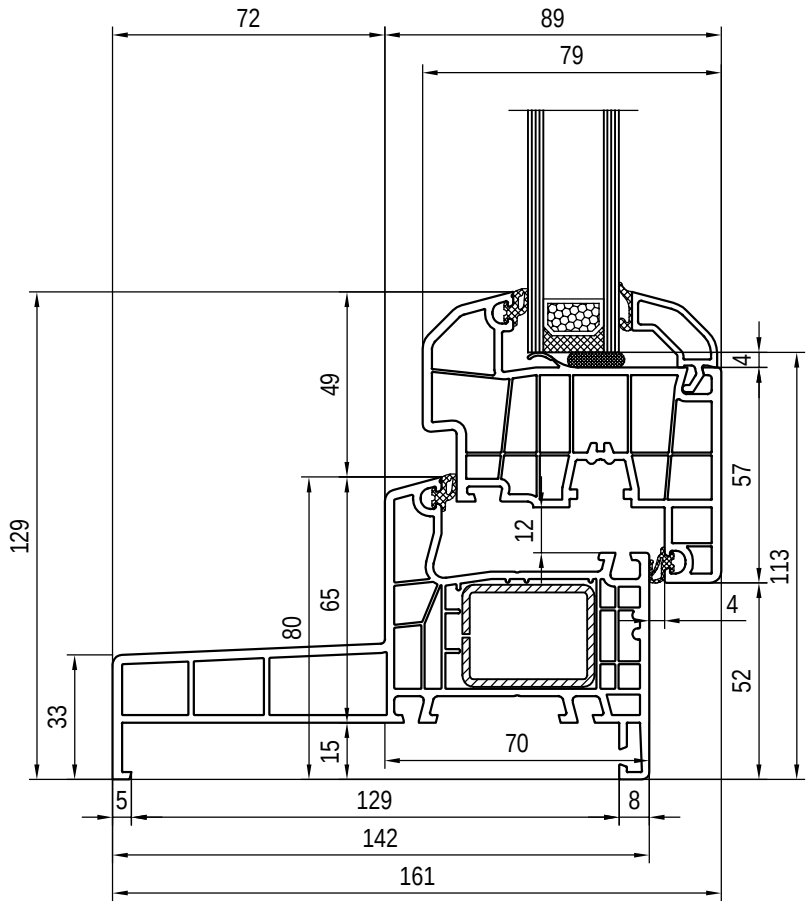
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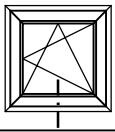

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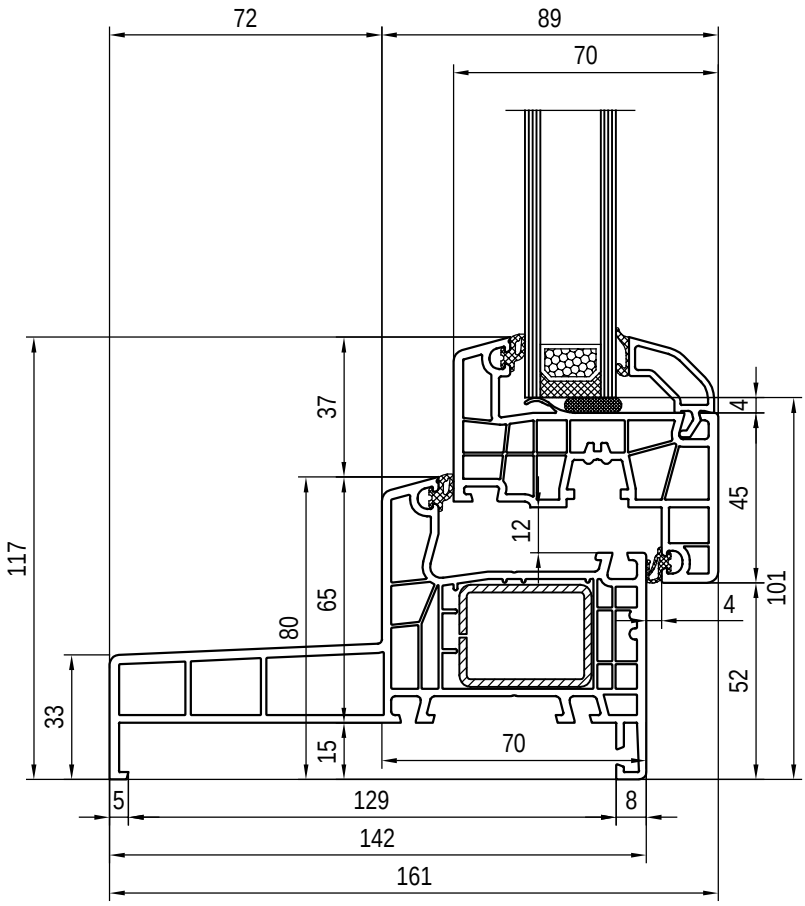


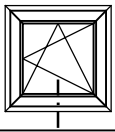


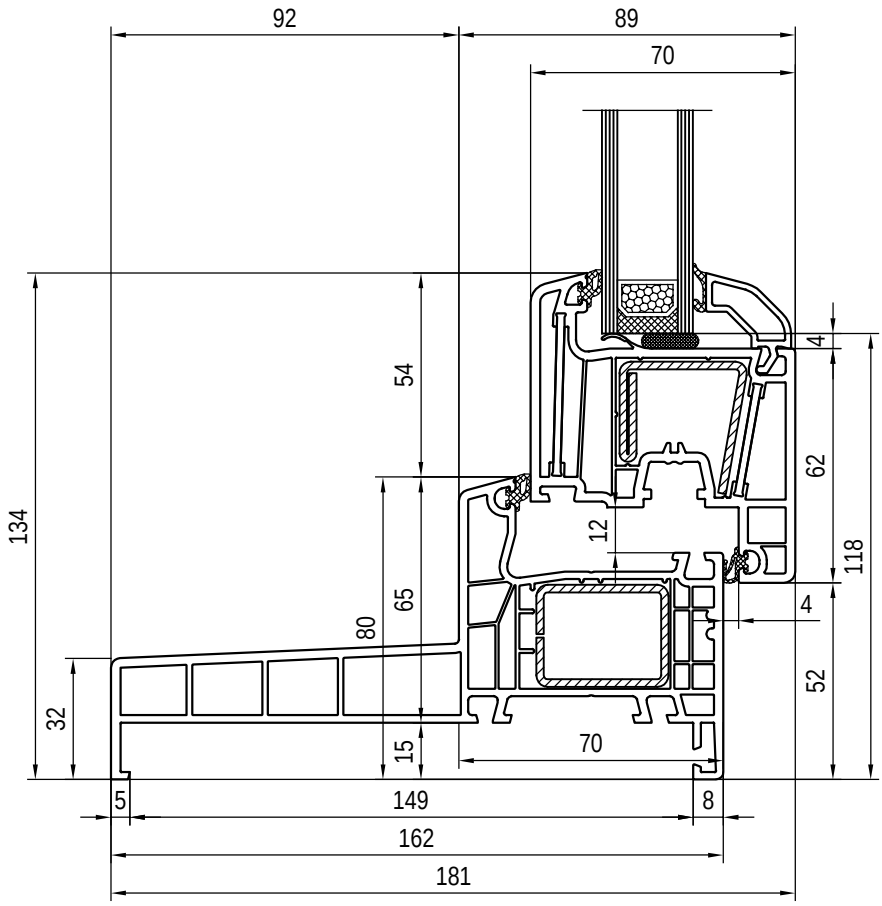
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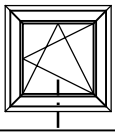

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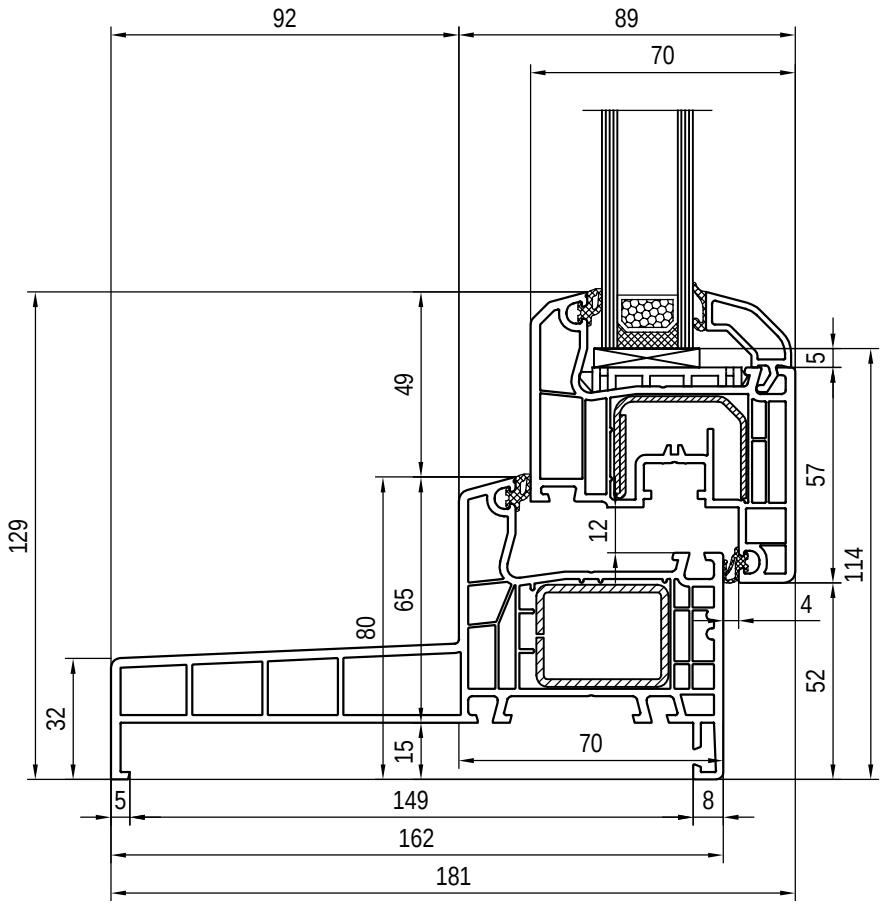


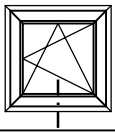

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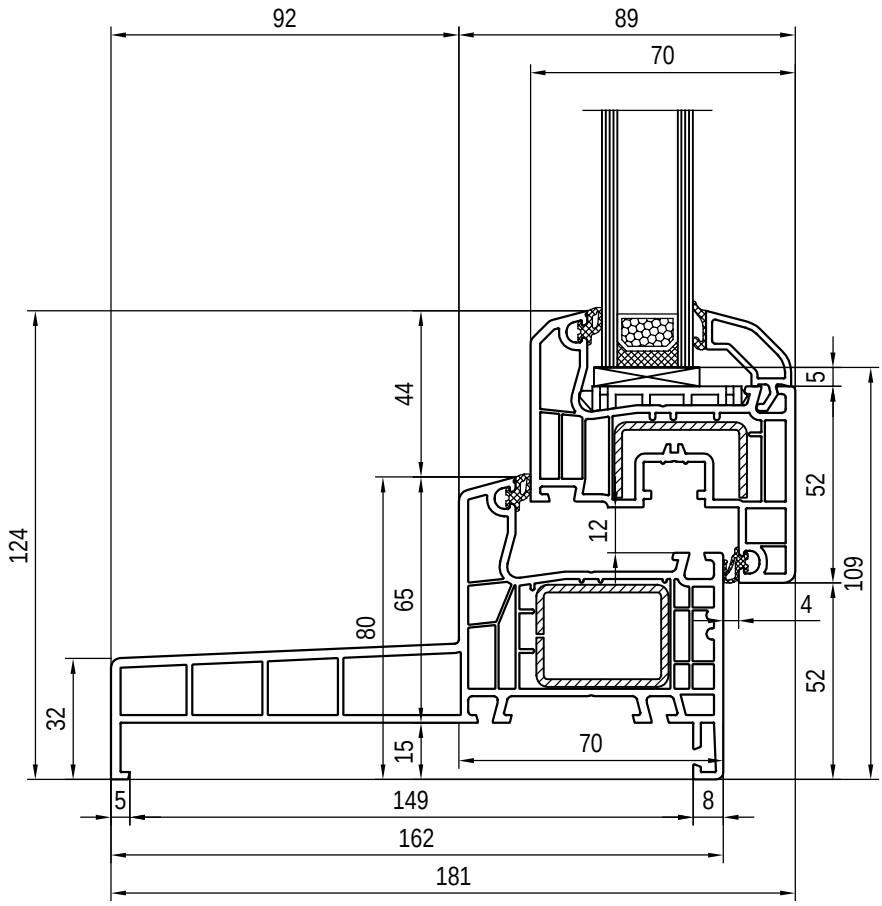


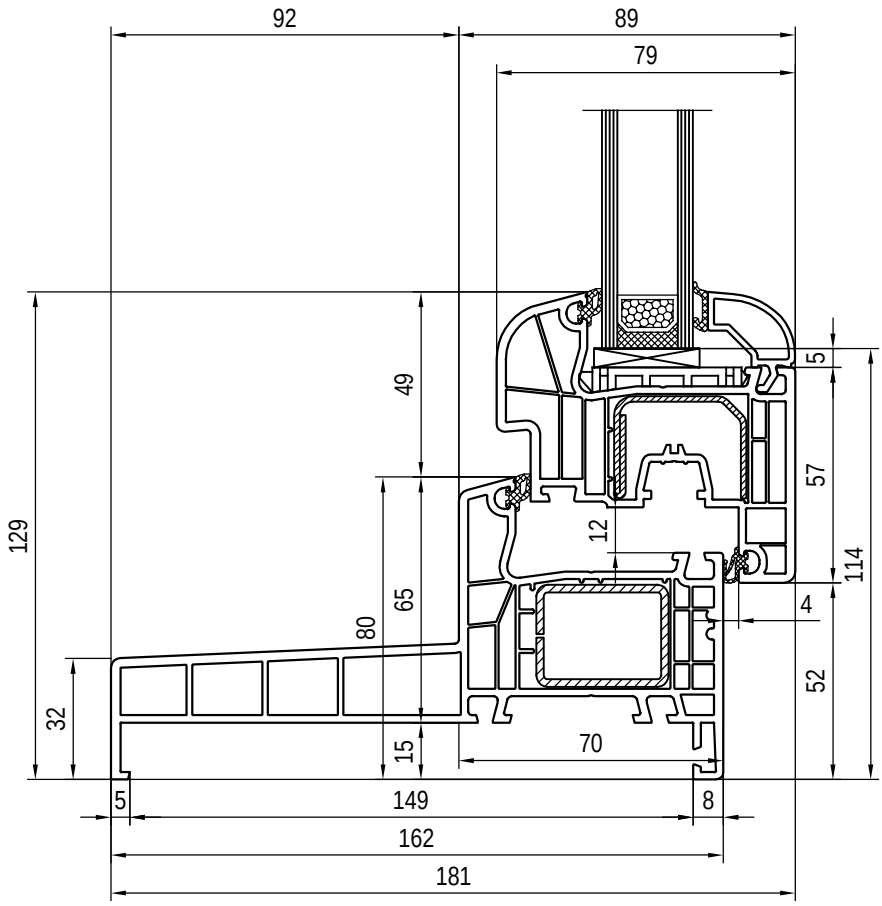

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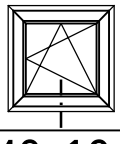


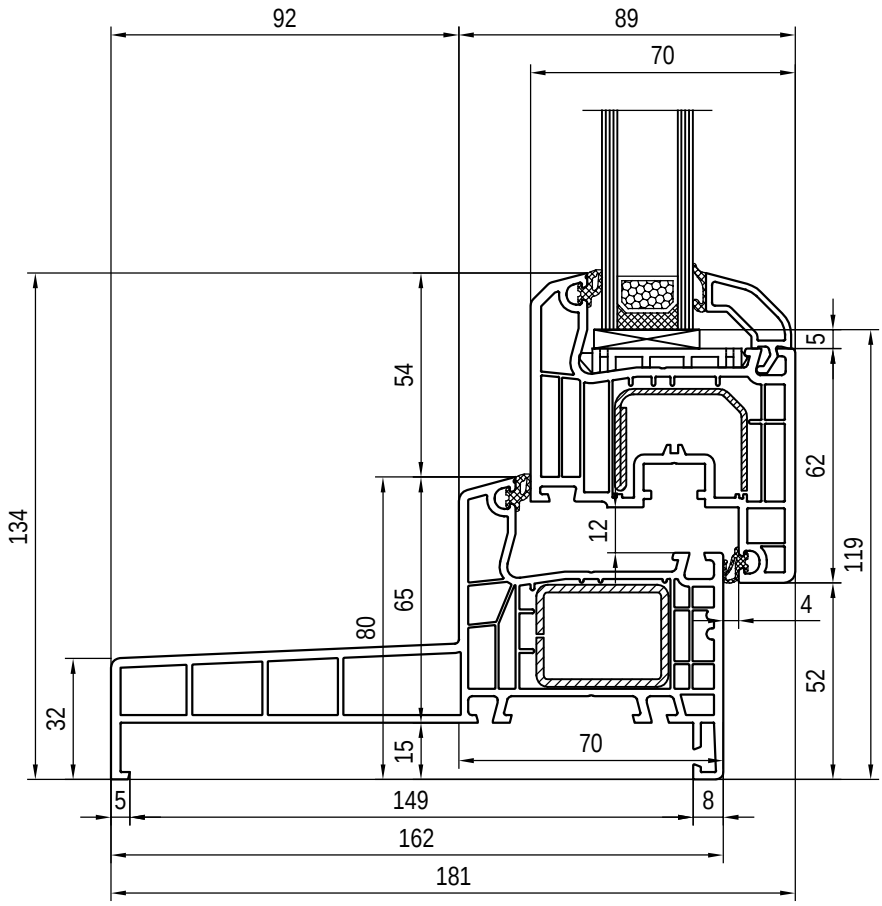

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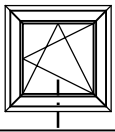


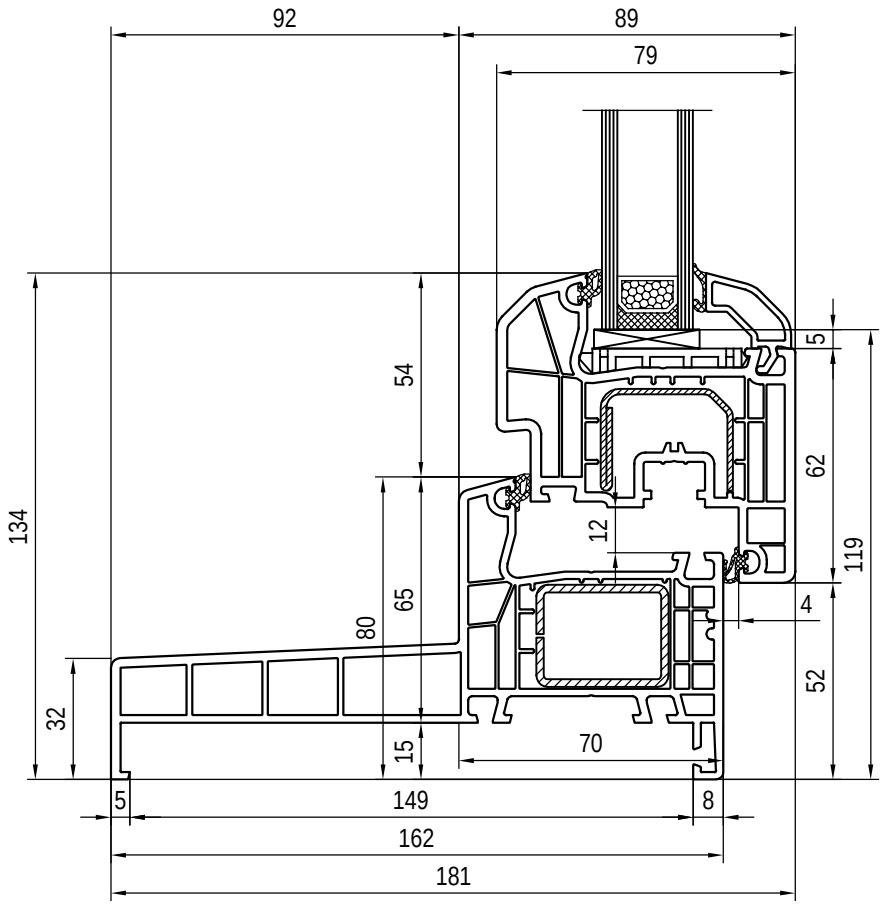

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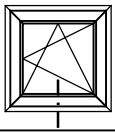

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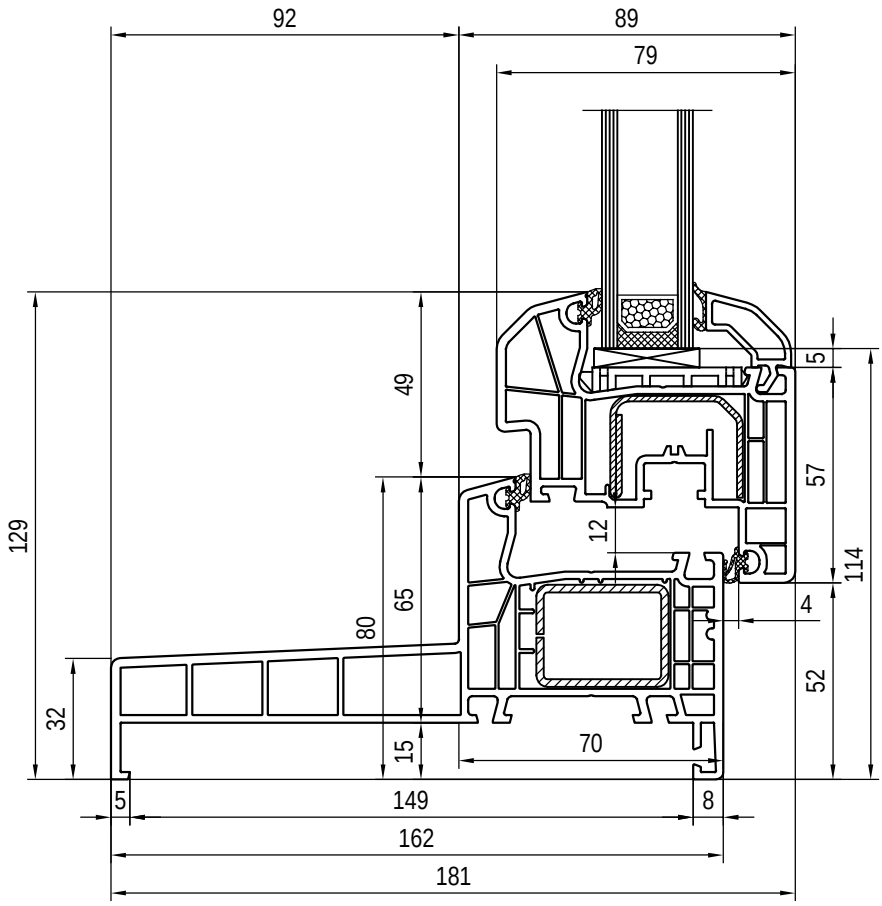


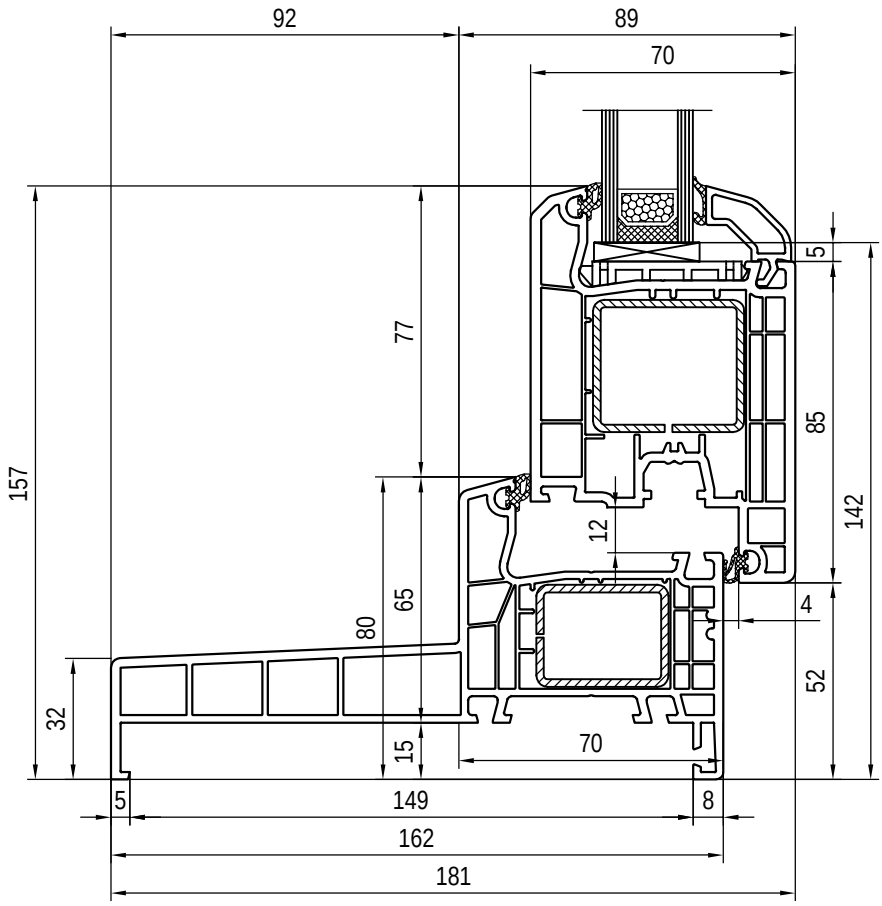

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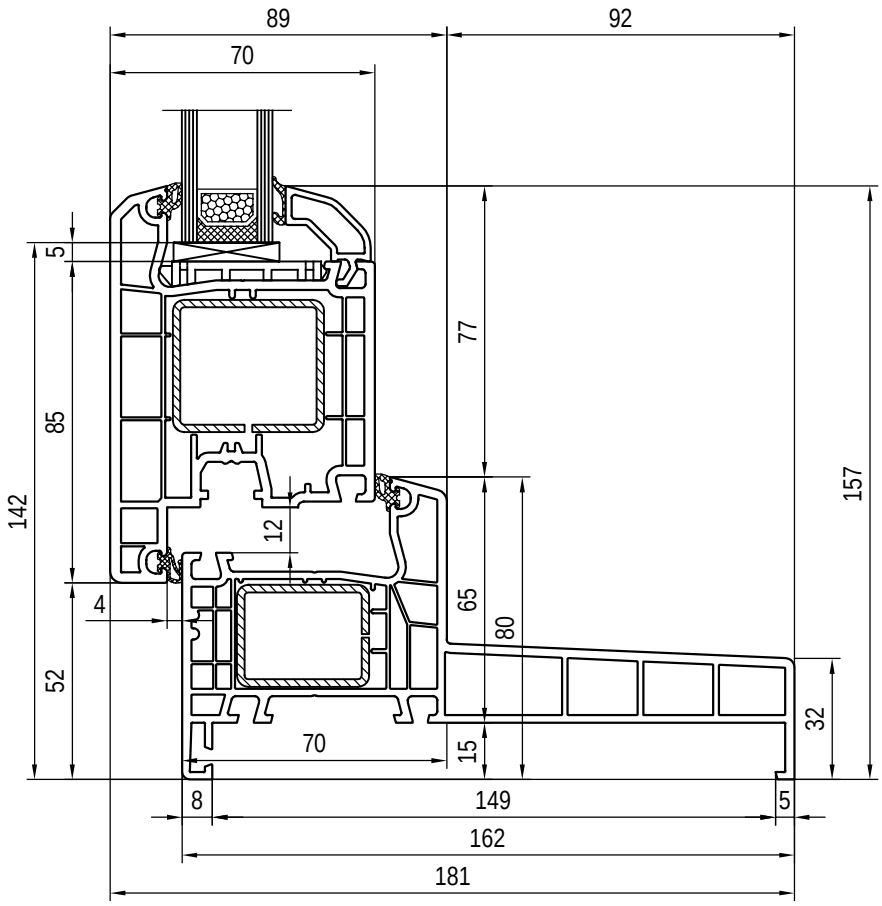


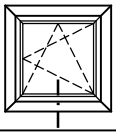

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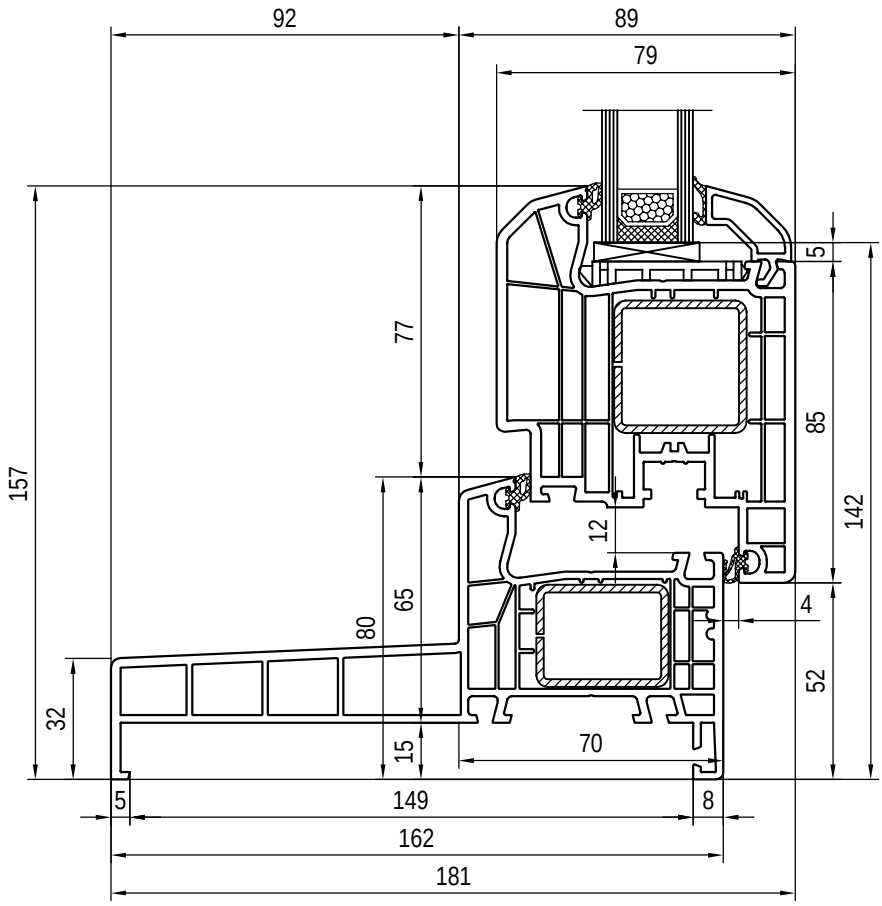


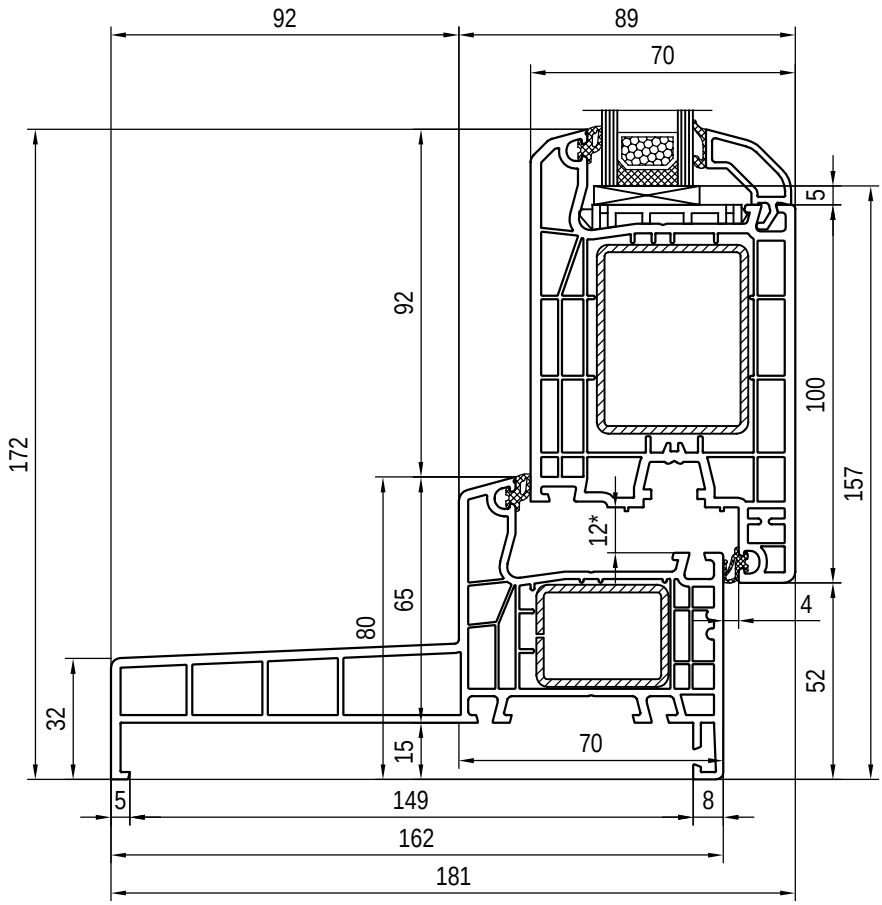


Kombinationen: Rahmen - Flügel

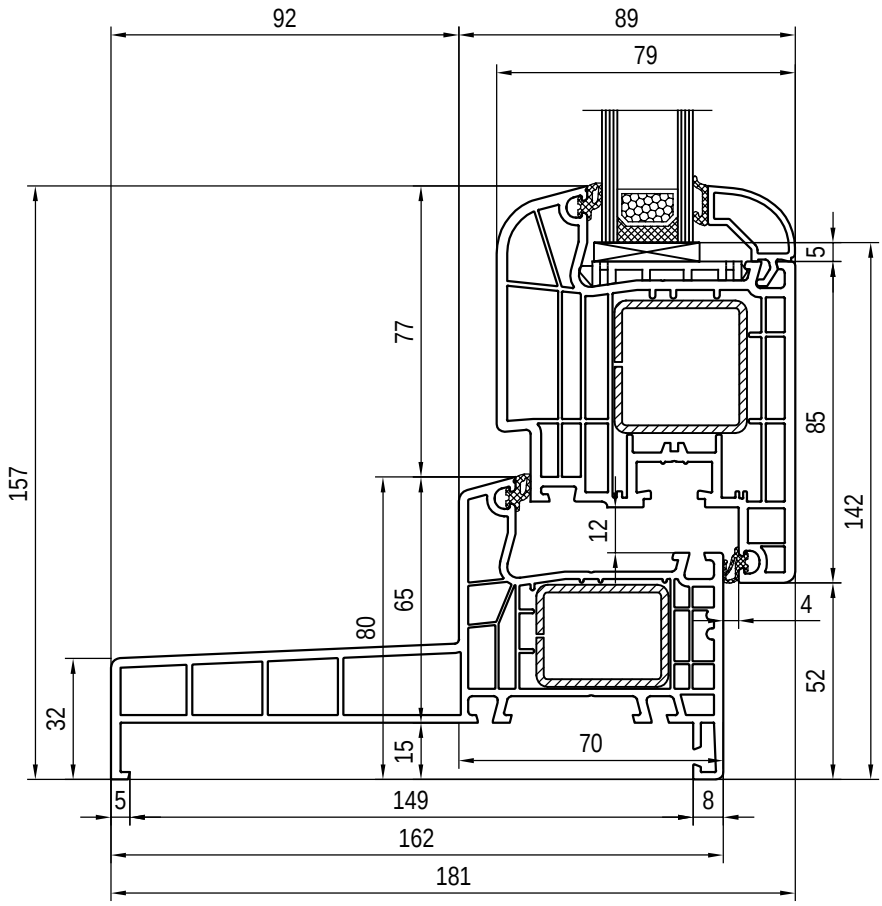
Glasleiste 120846/120876

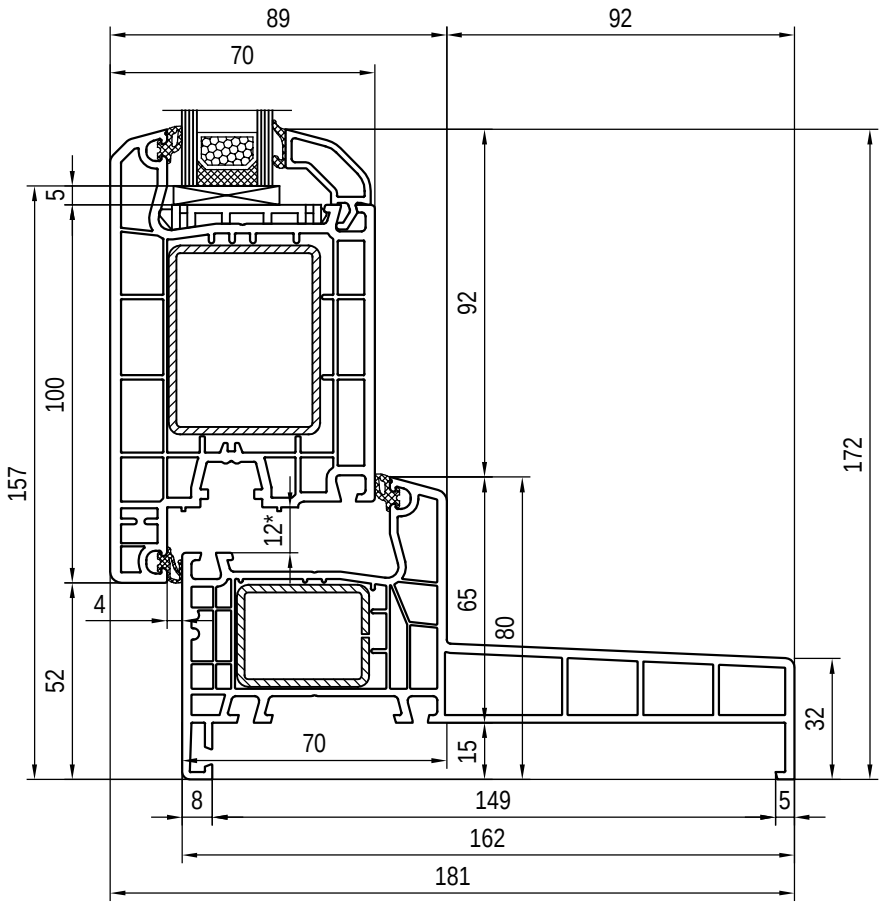
(MB)-Rahmen 140x19
Flügel 140x31

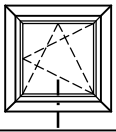

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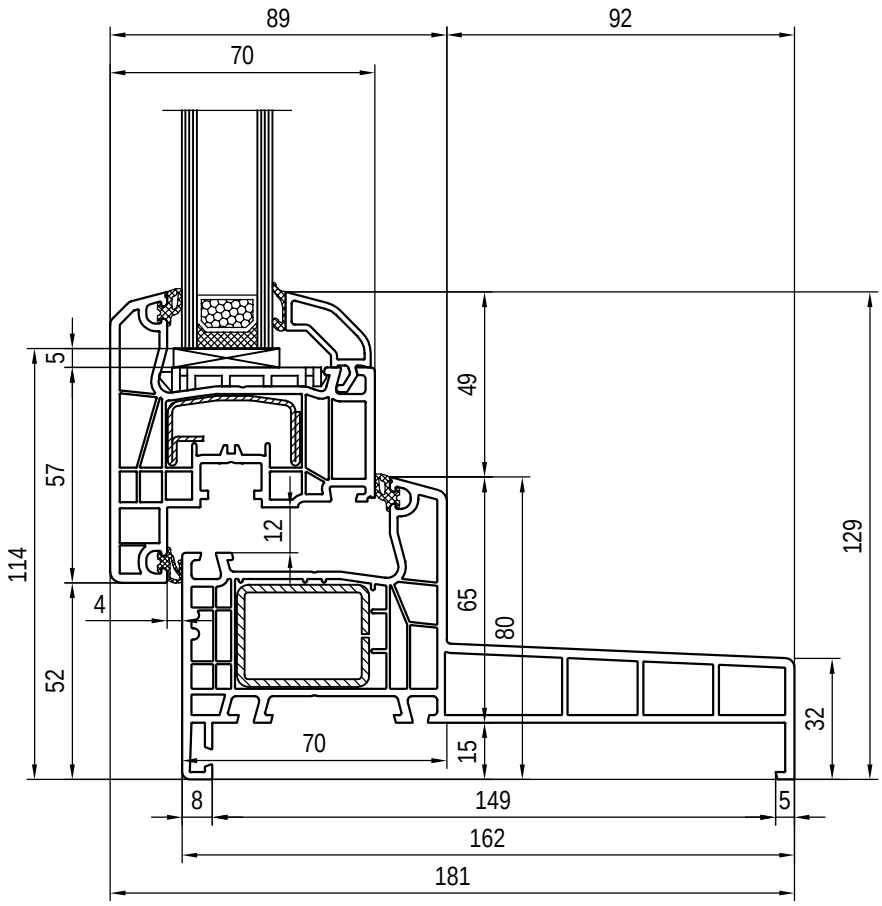
* Falzluft bei Haustüren links und rechts = 13mm

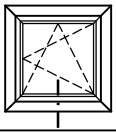

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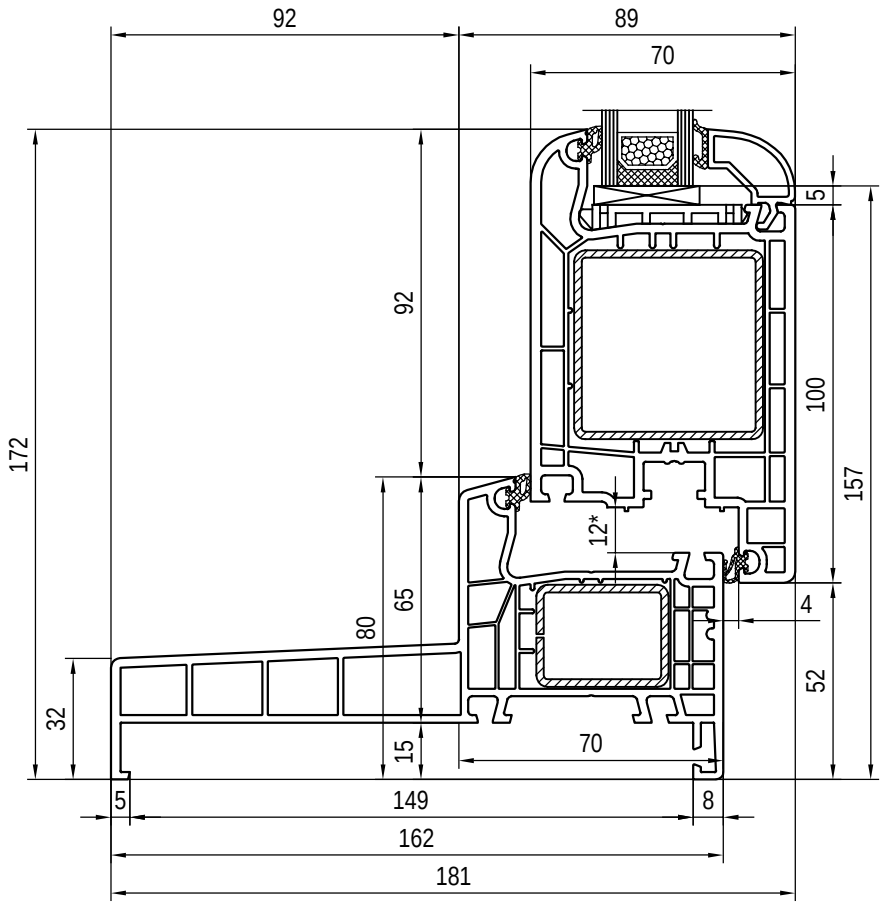




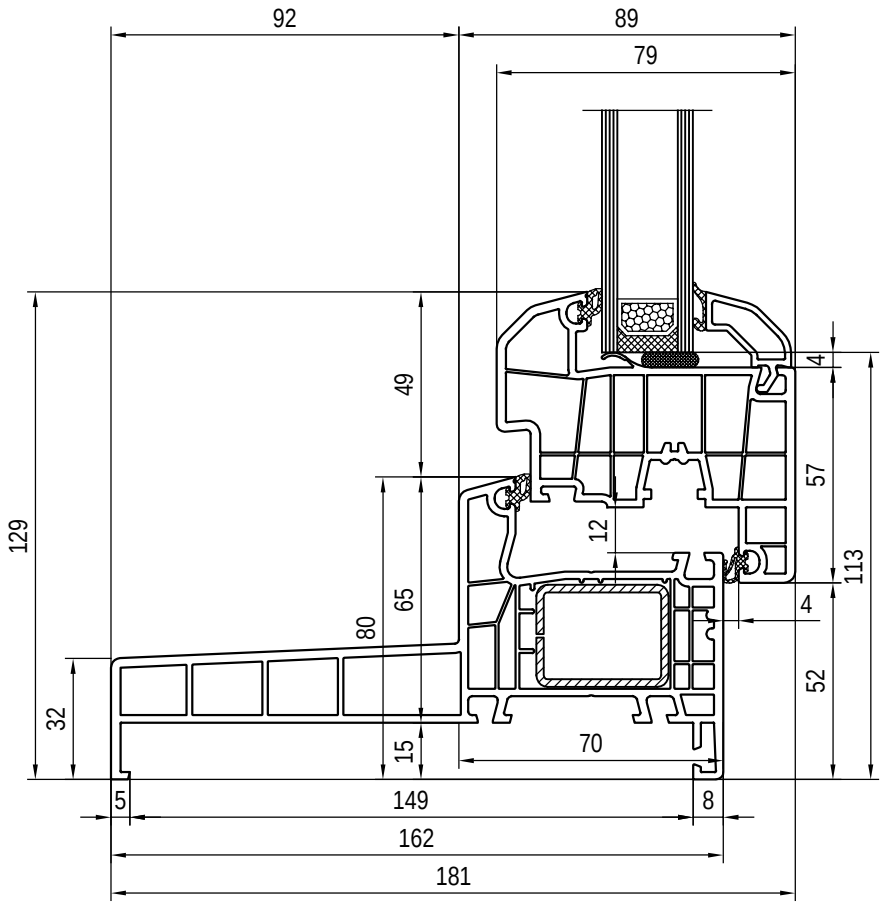
* Falzluft bei Haustüren links und rechts = 13mm

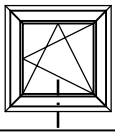

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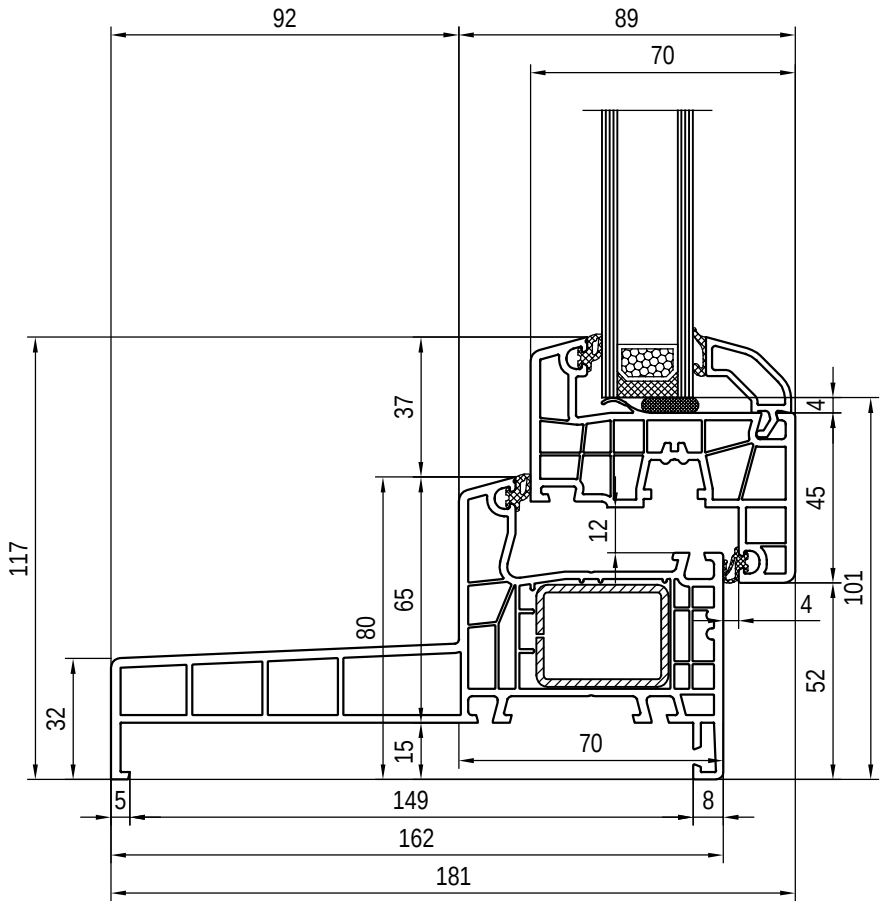


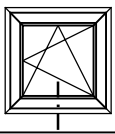


* Falzluft bei Haustüren links und rechts = 13mm


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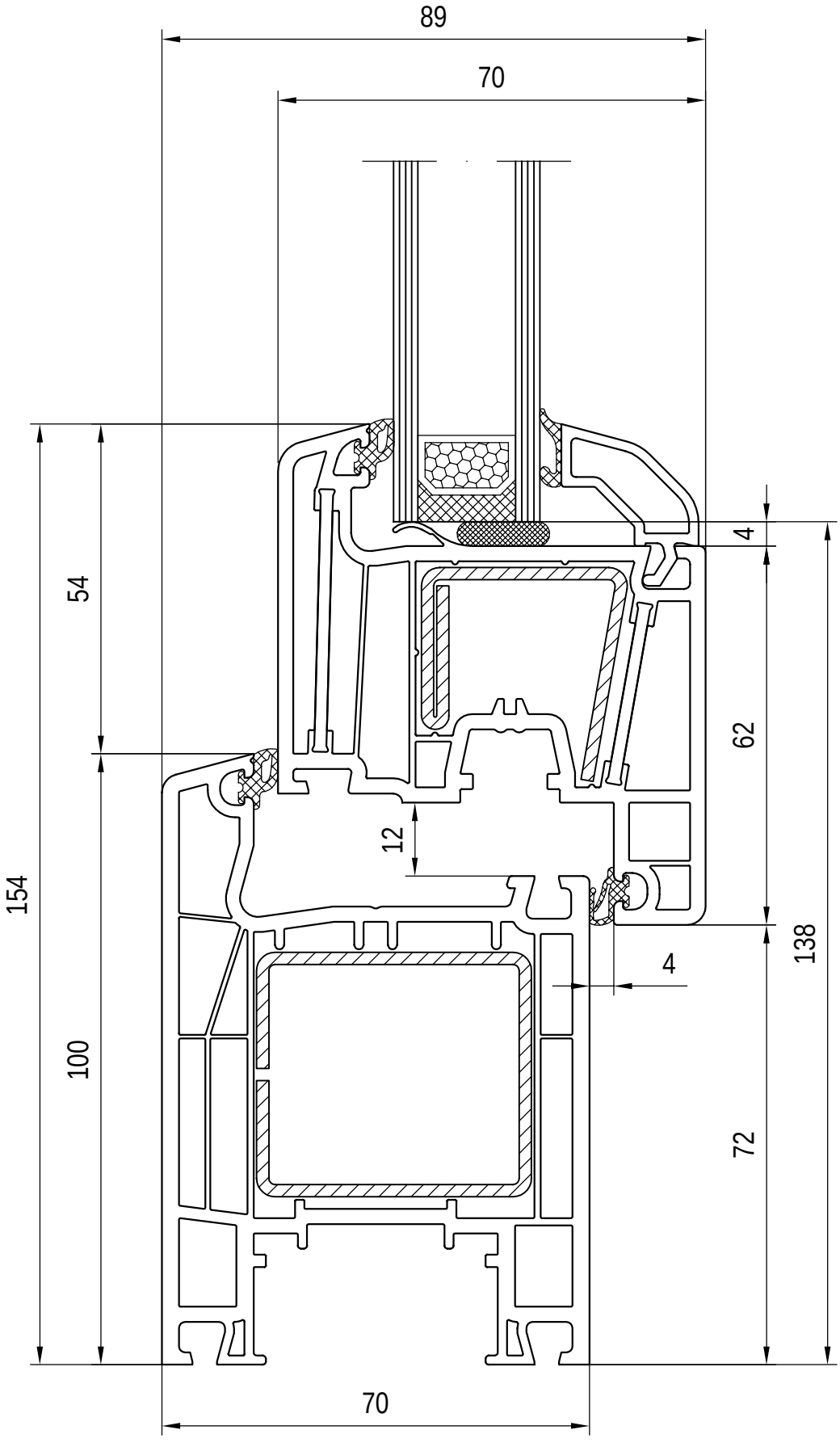


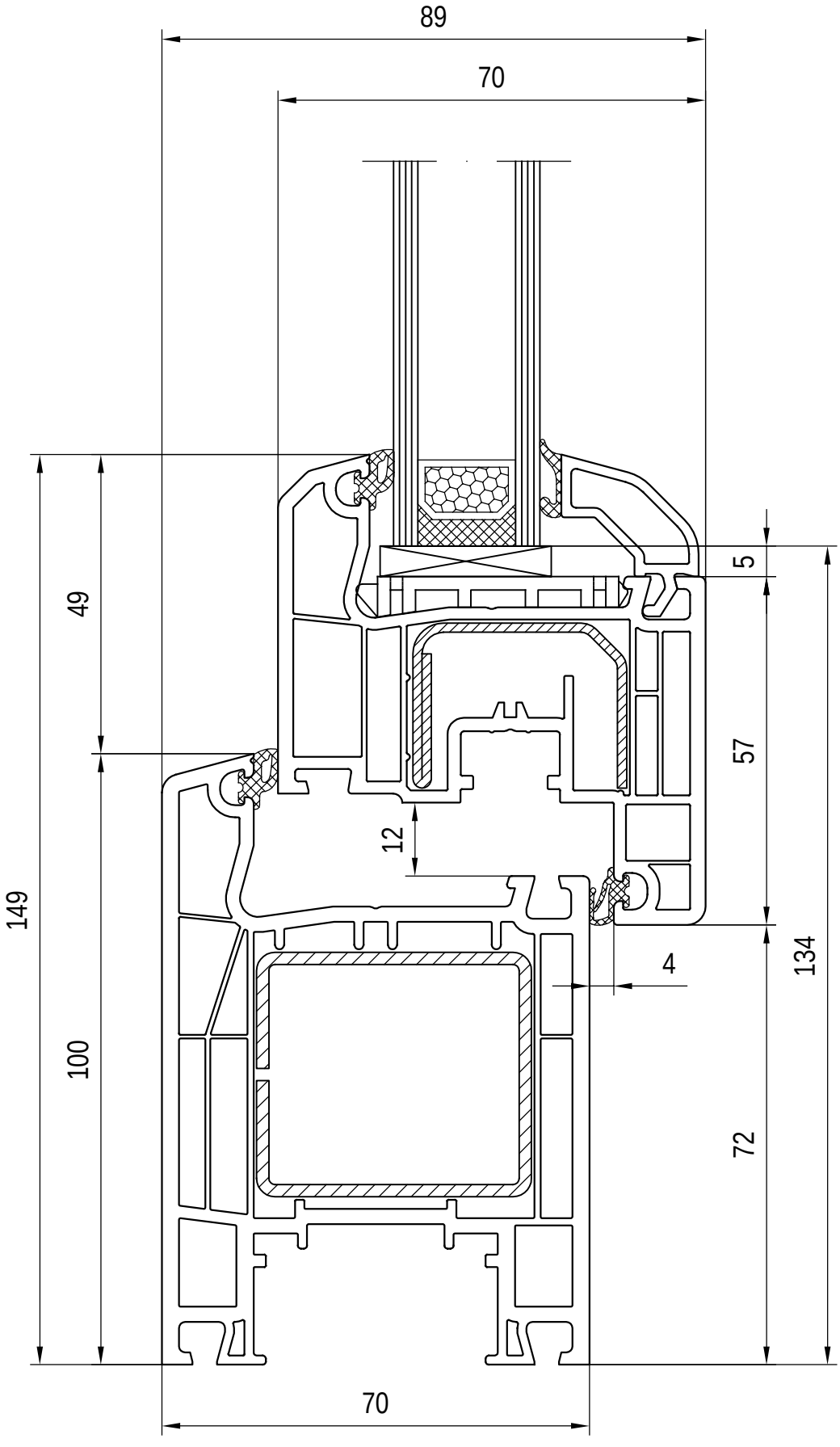


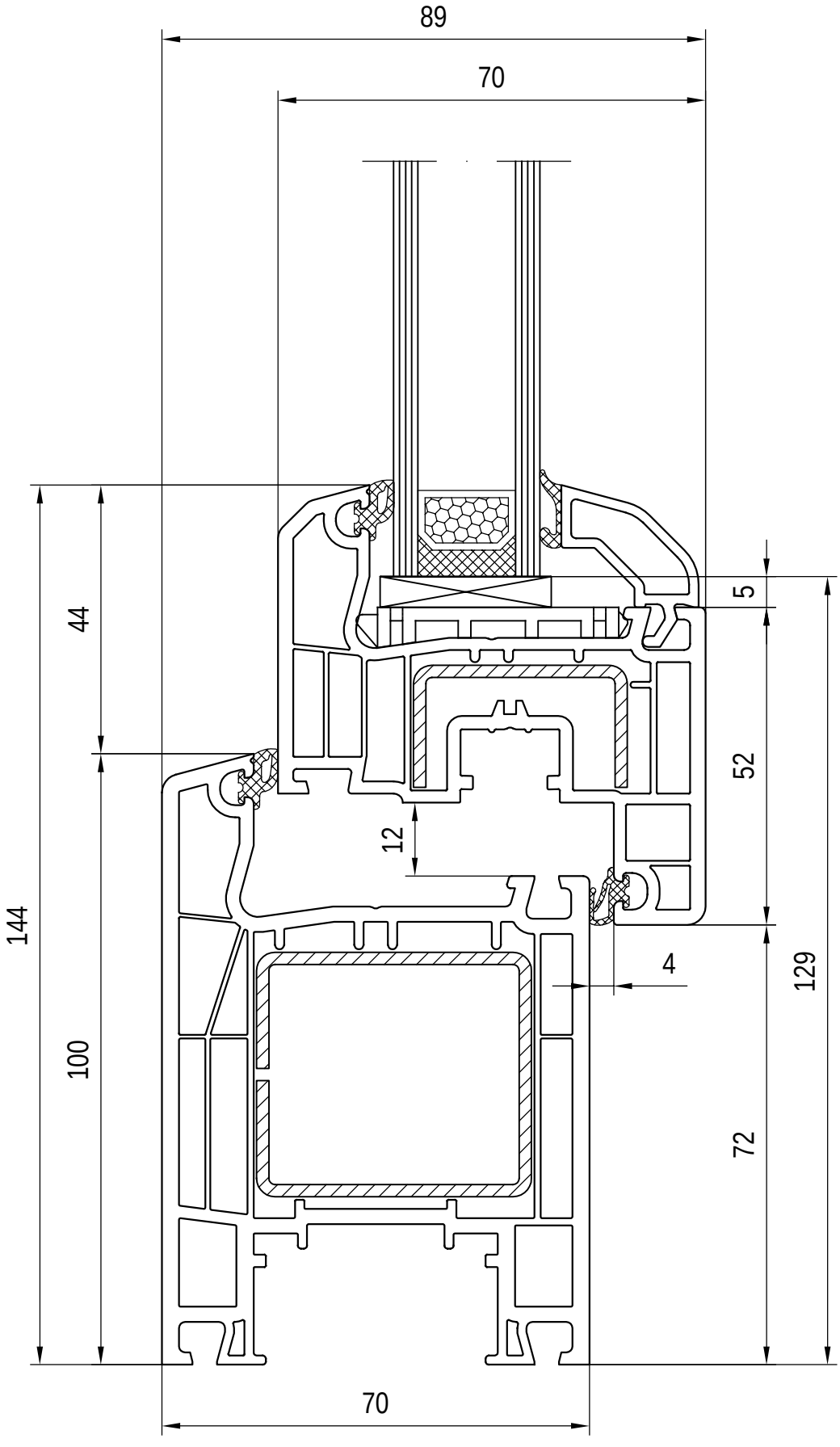
Kombinationen: Rahmen - Flügel

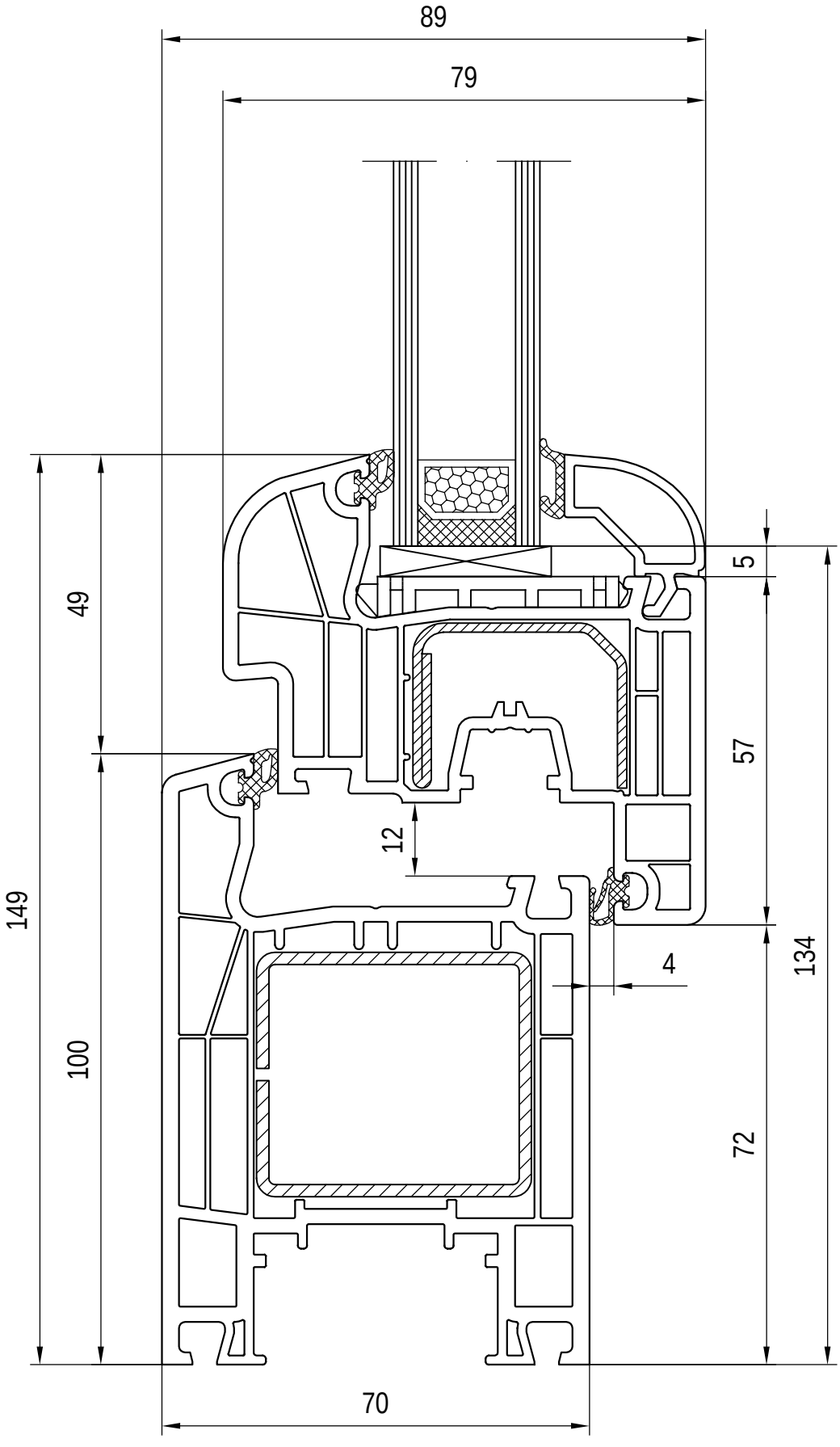
Glasleiste 120846/120876

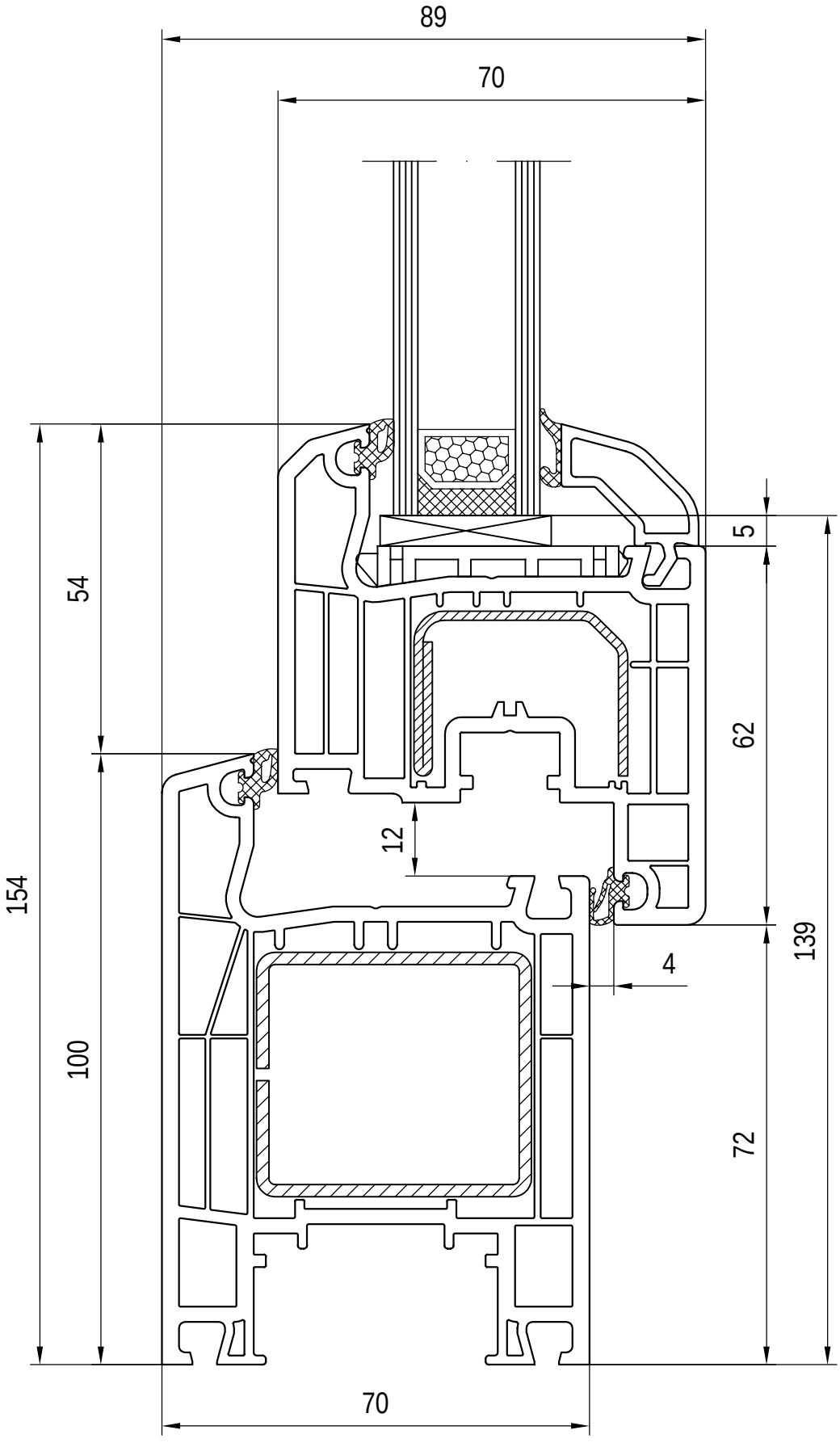
(MB)-Rahmen 140x19
Flügel 140x86

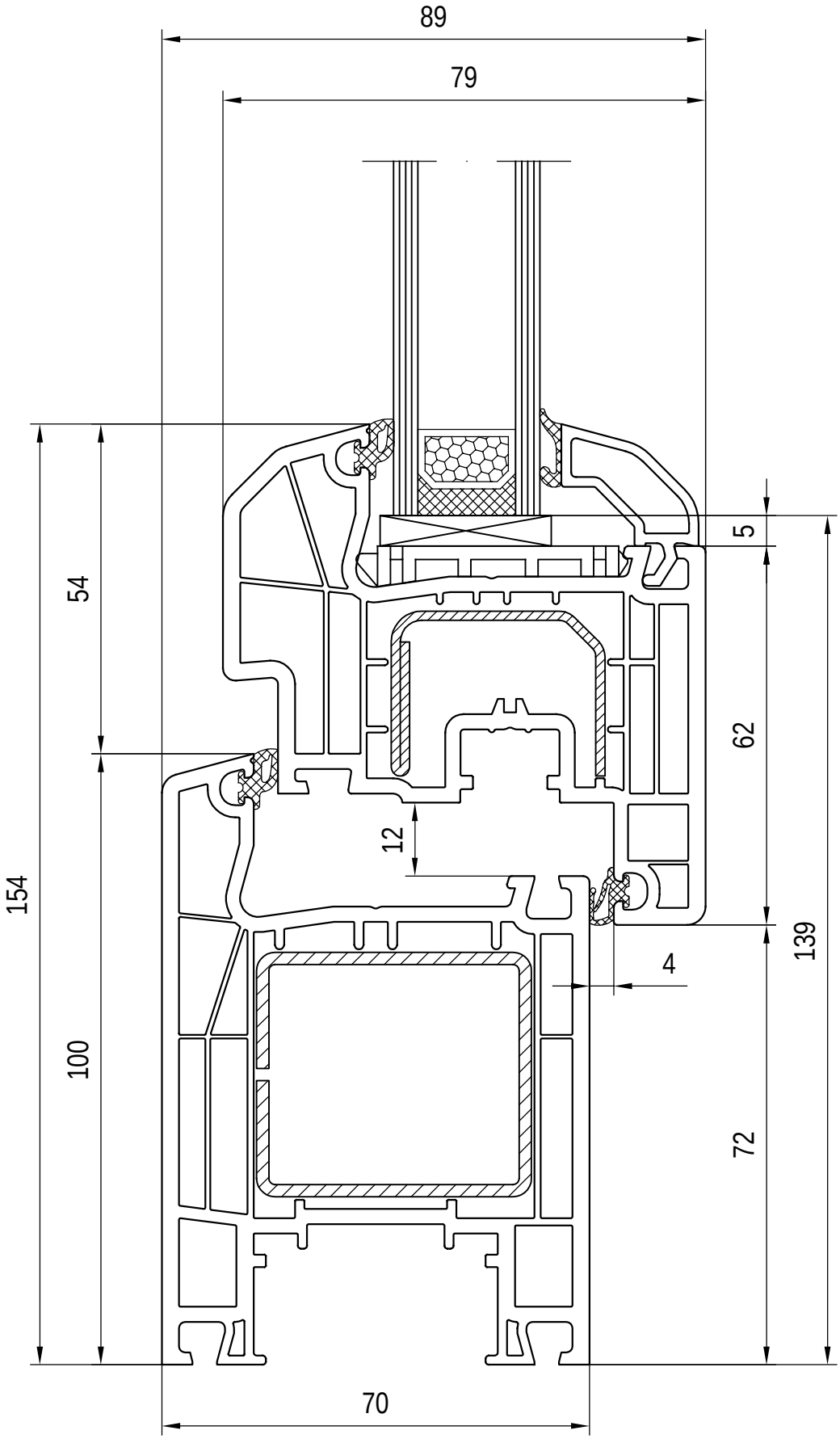

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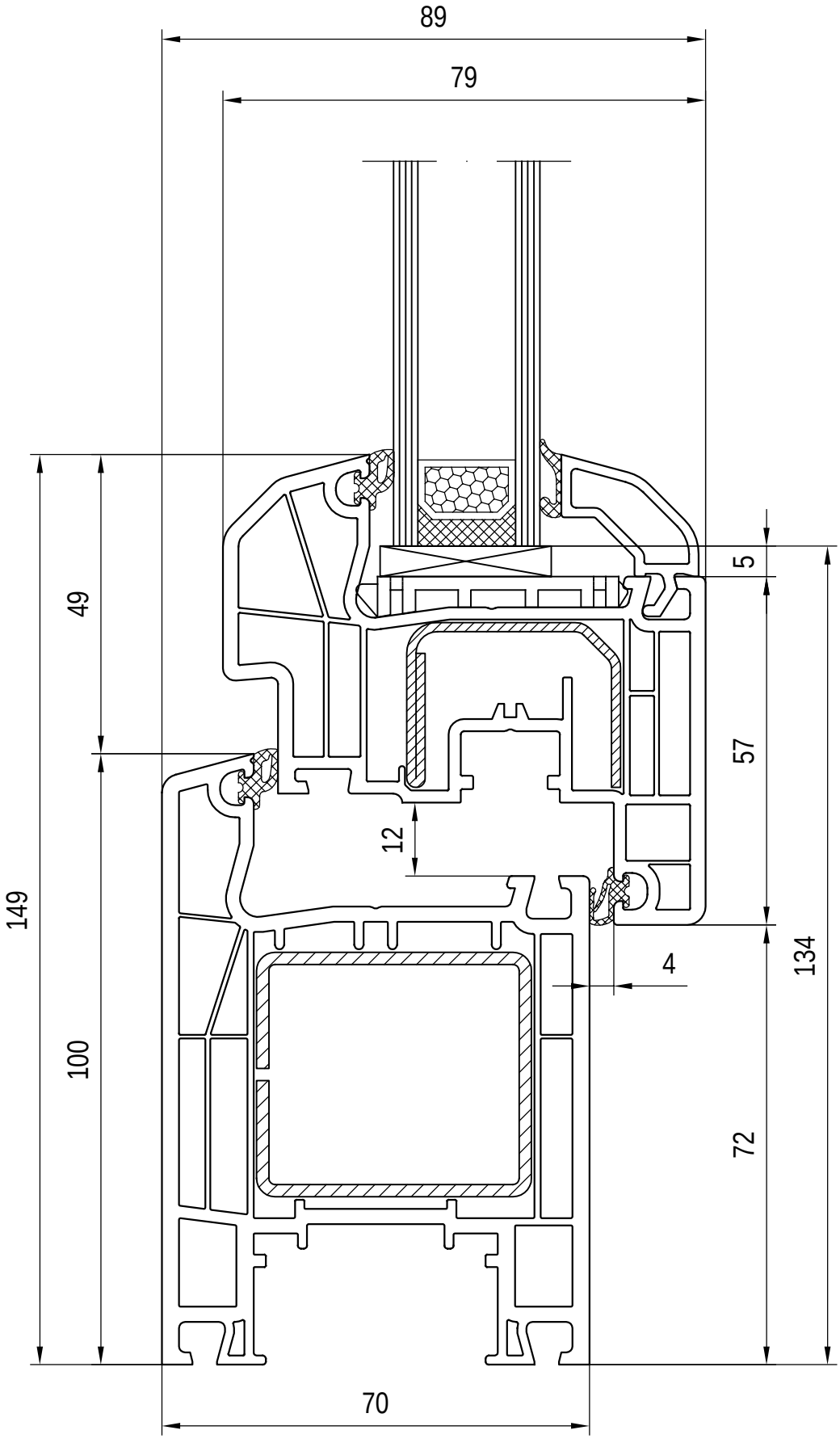

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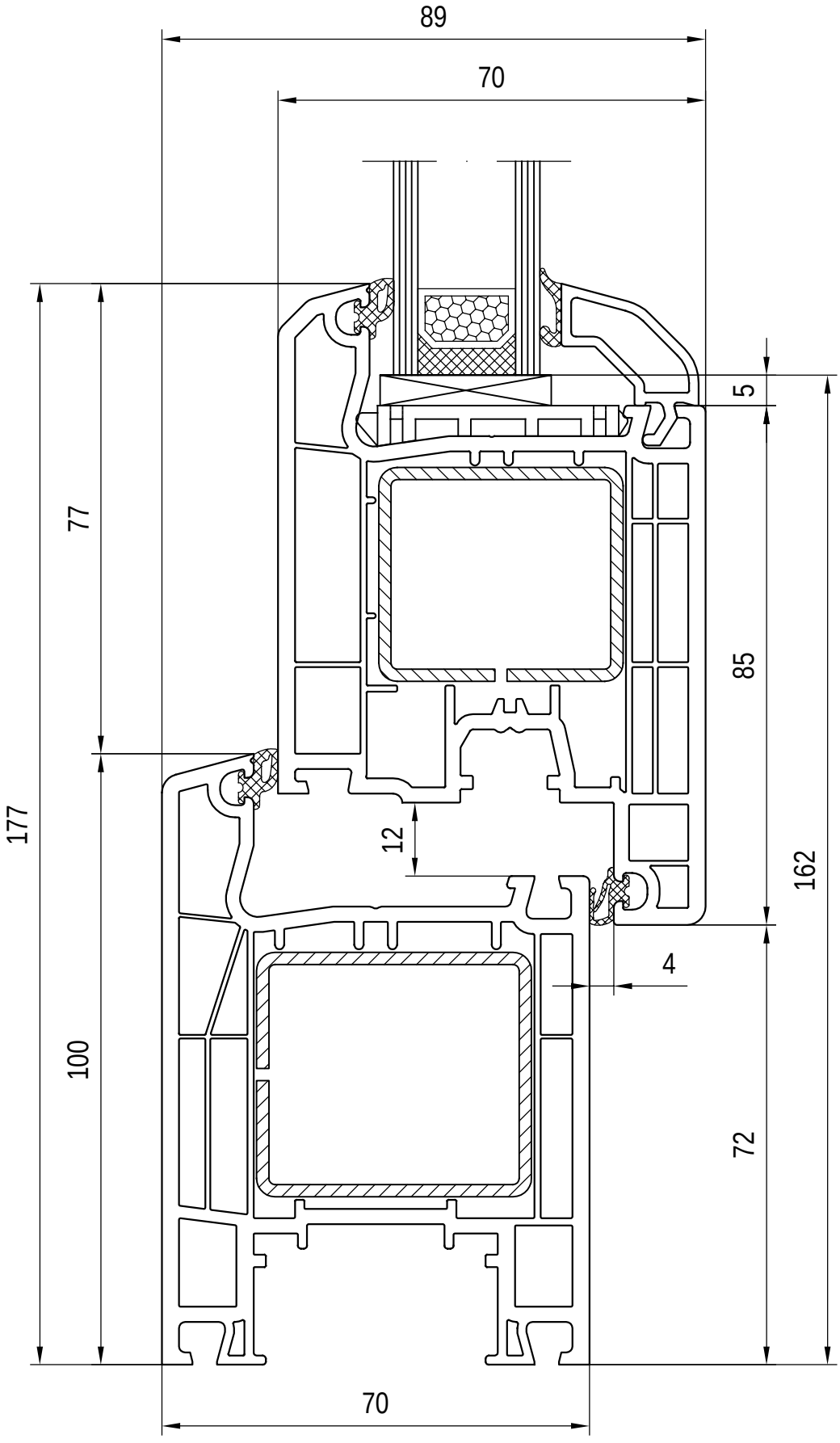

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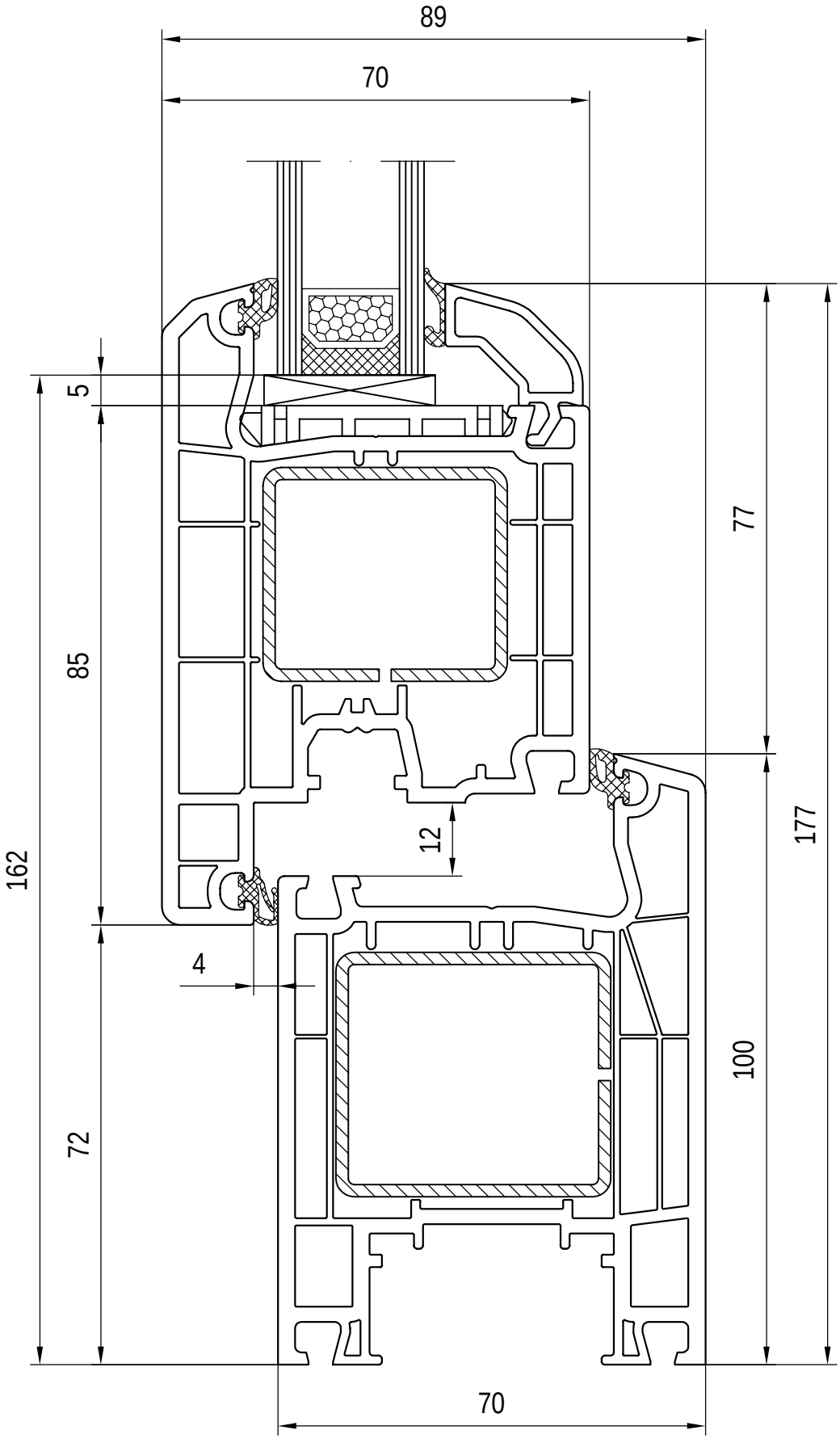

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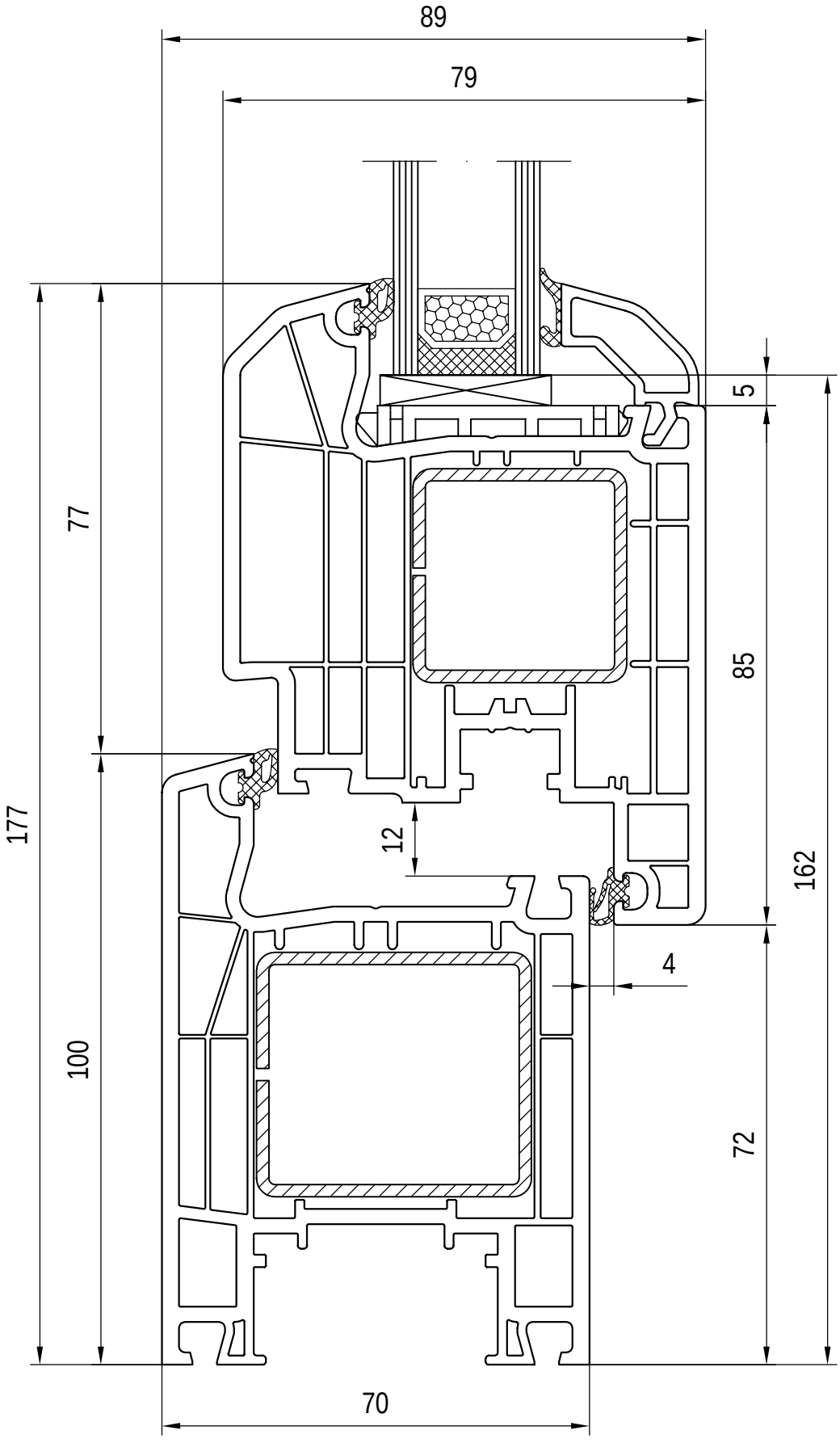

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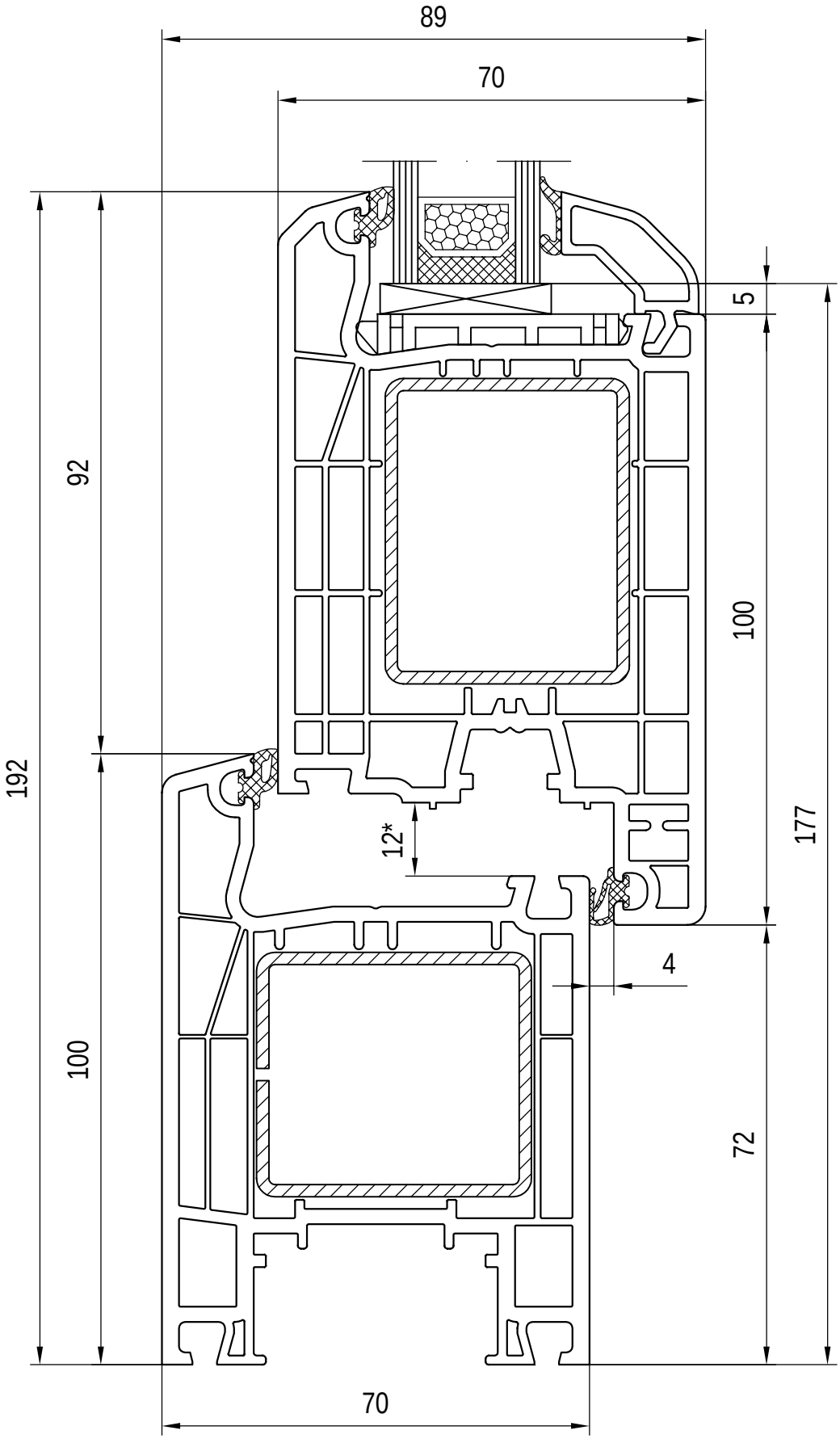

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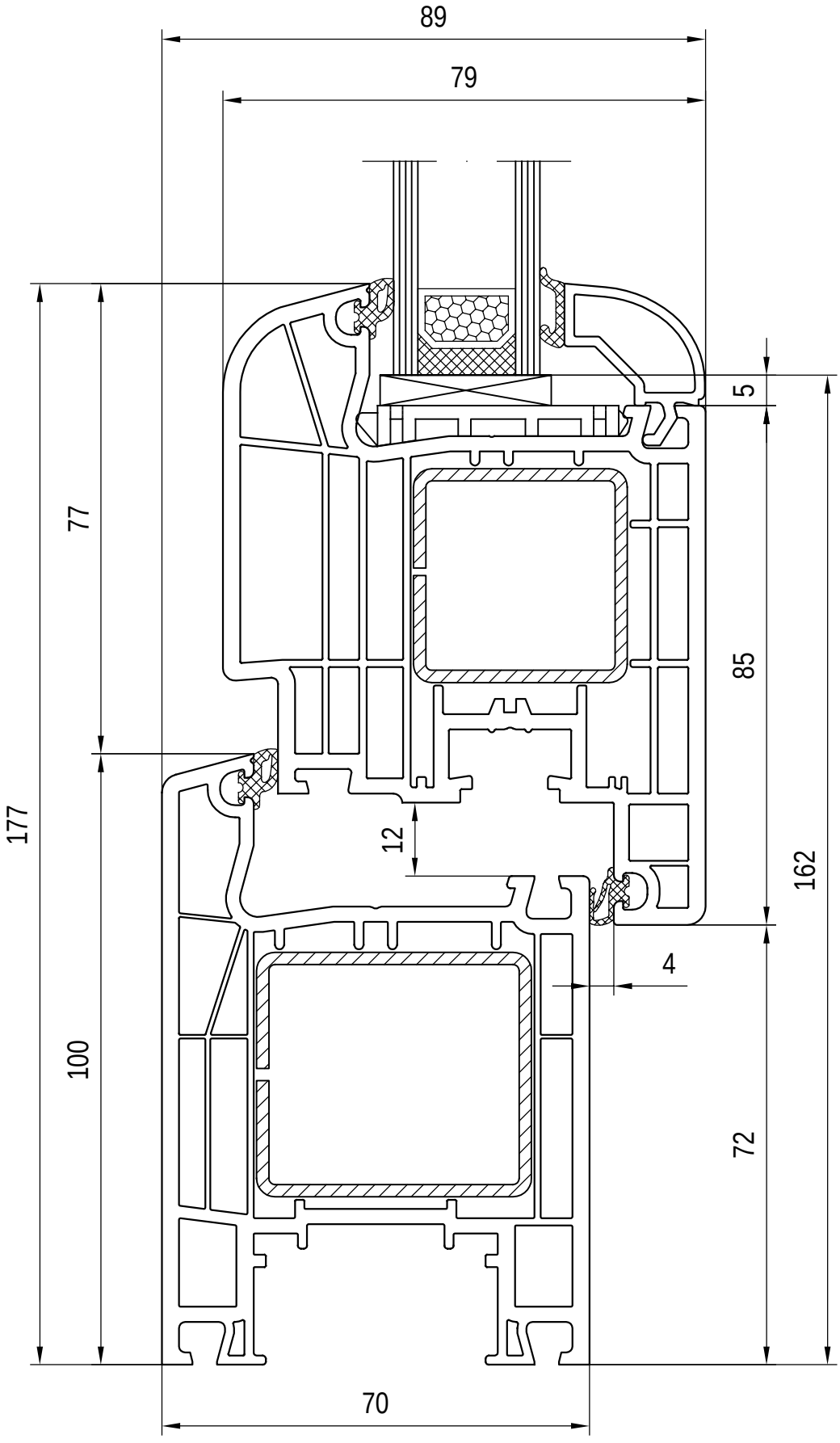

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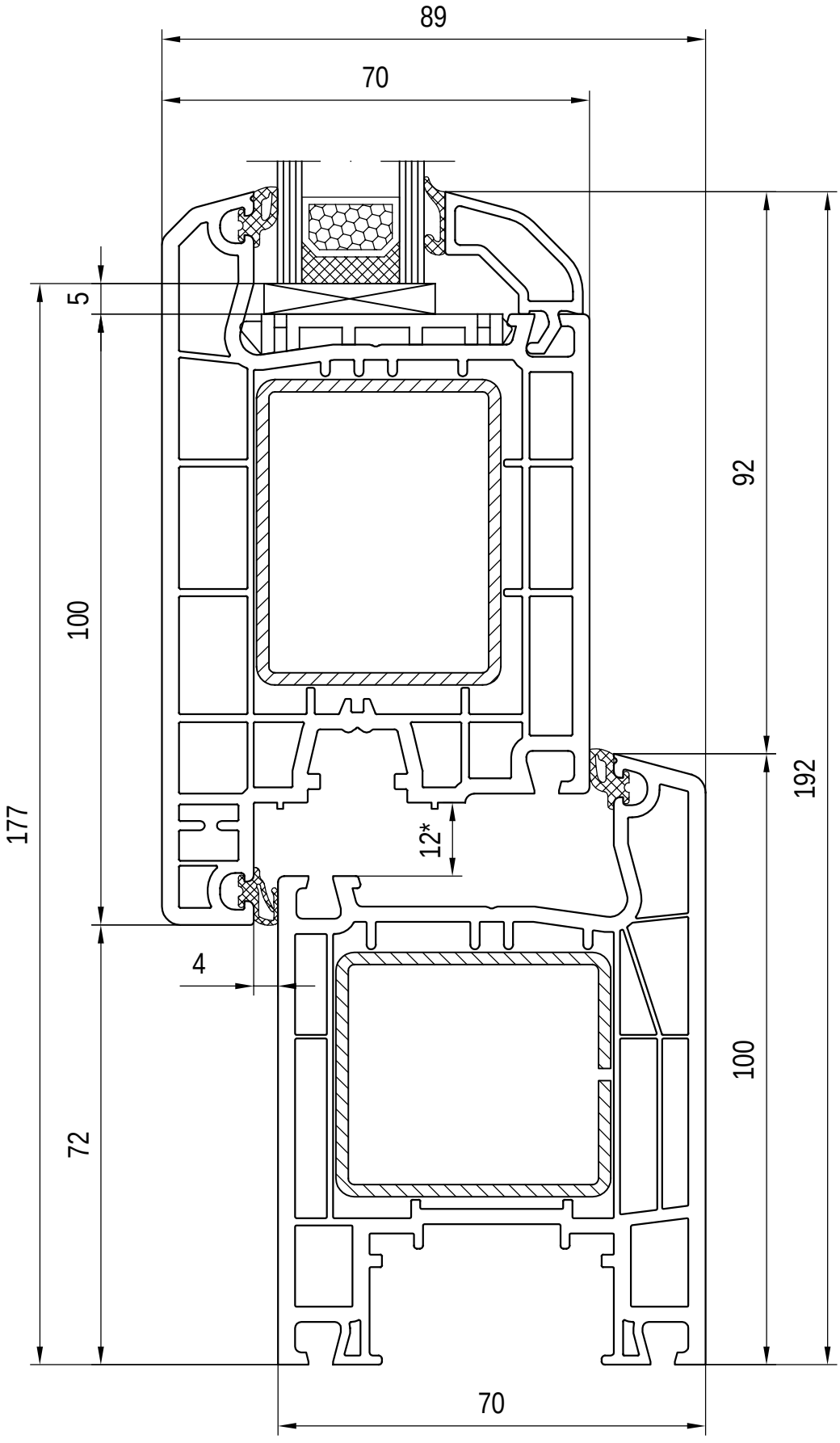


* Falzluft bei Haustüren links und rechts = 13mm

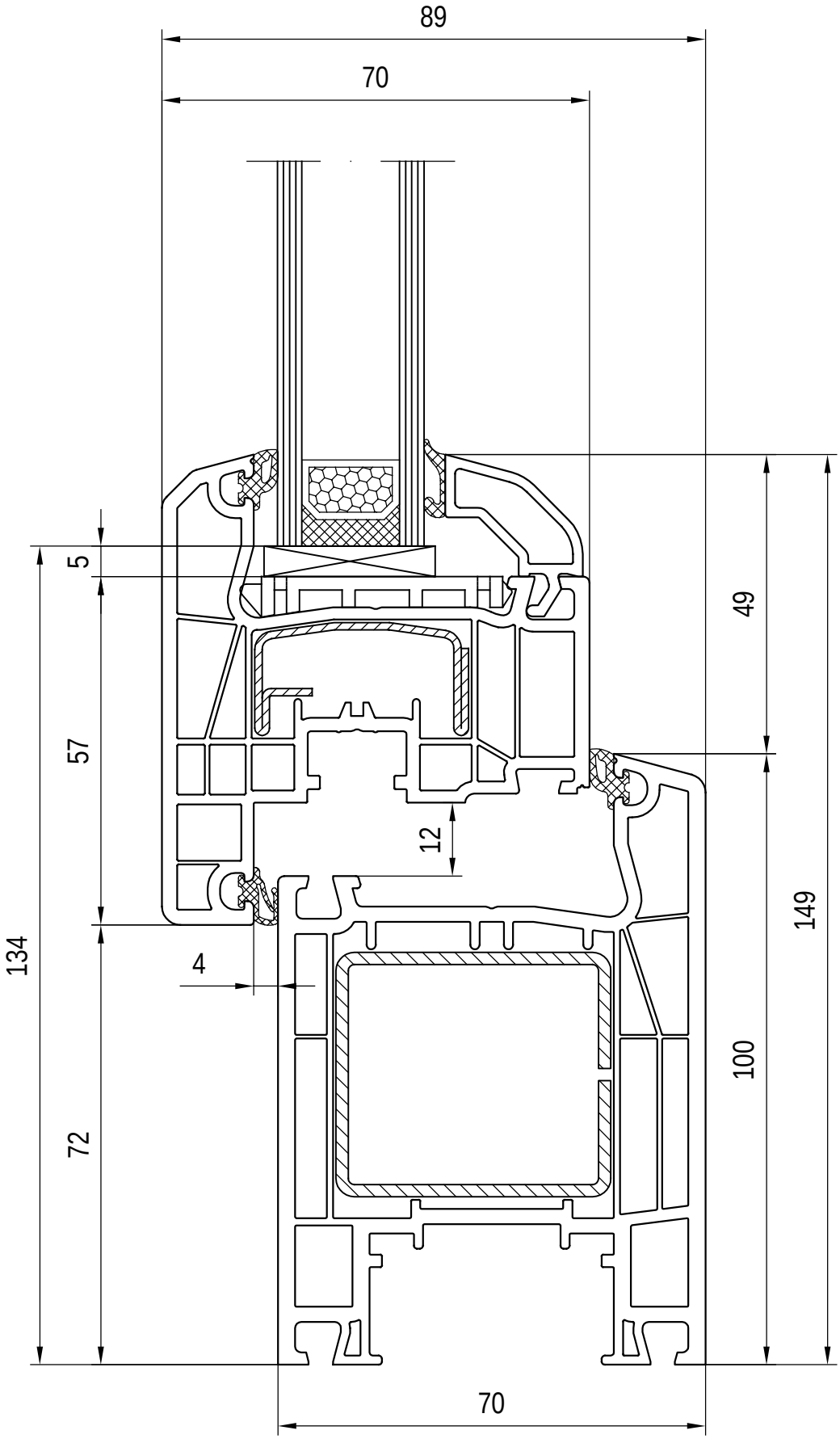
Kombinationen: Rahmen - Flügel
Glasleiste 120846/120876

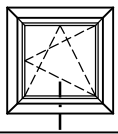
Rahmen 140x81
Flügel 140x33


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* Falzluft bei Haustüren links und rechts = 13mm

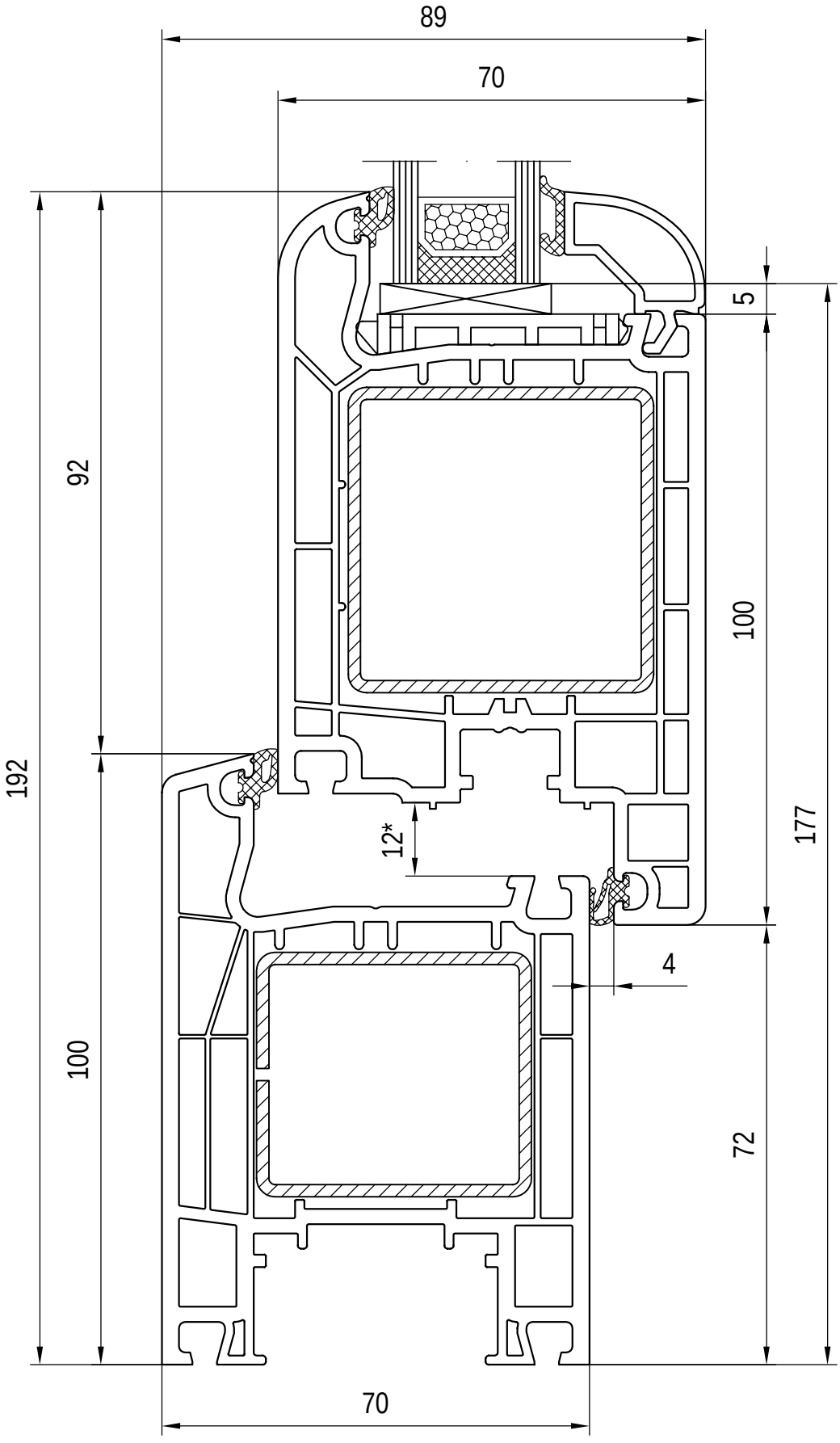




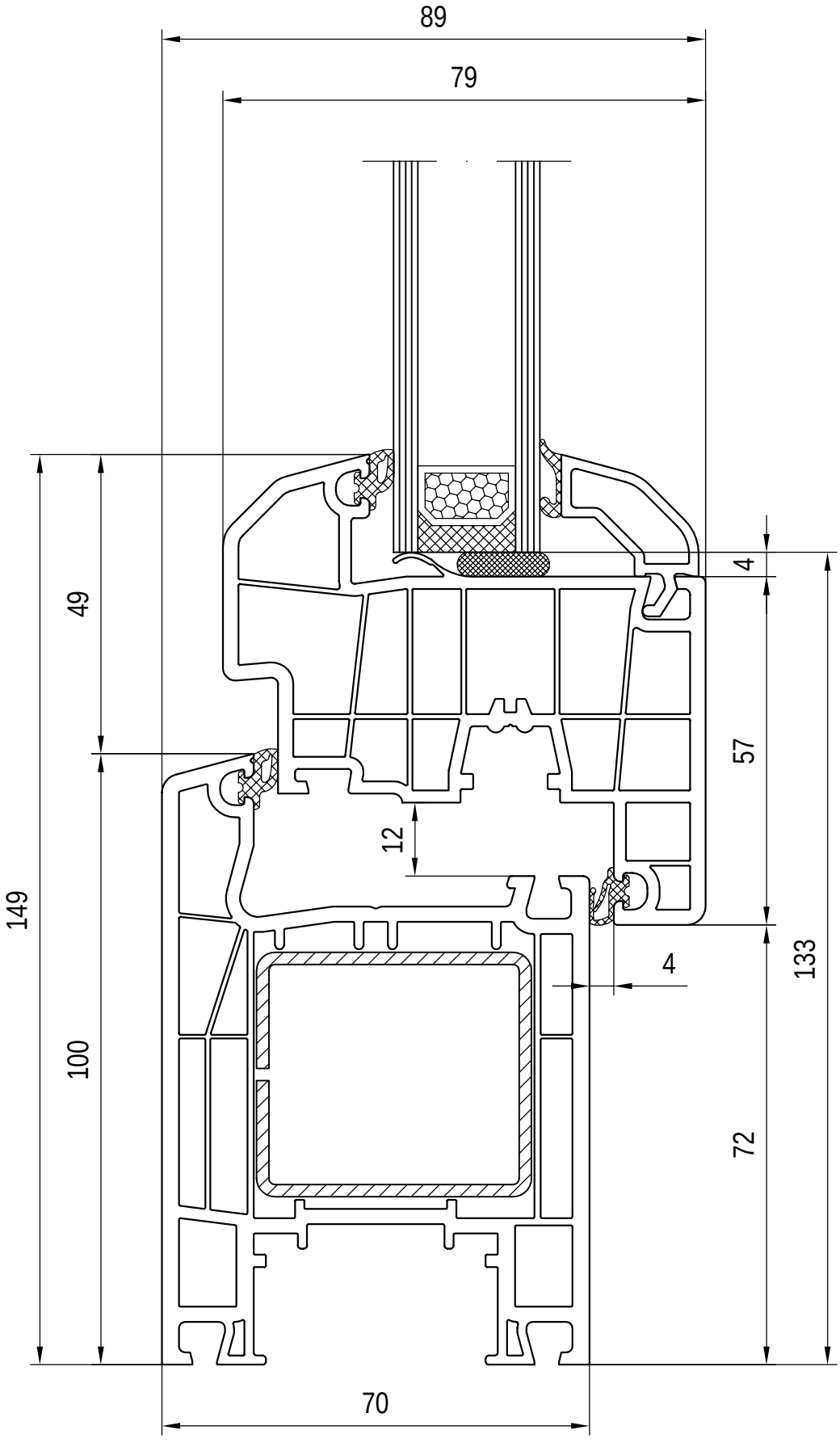
Kombinationen: Rahmen - Flügel

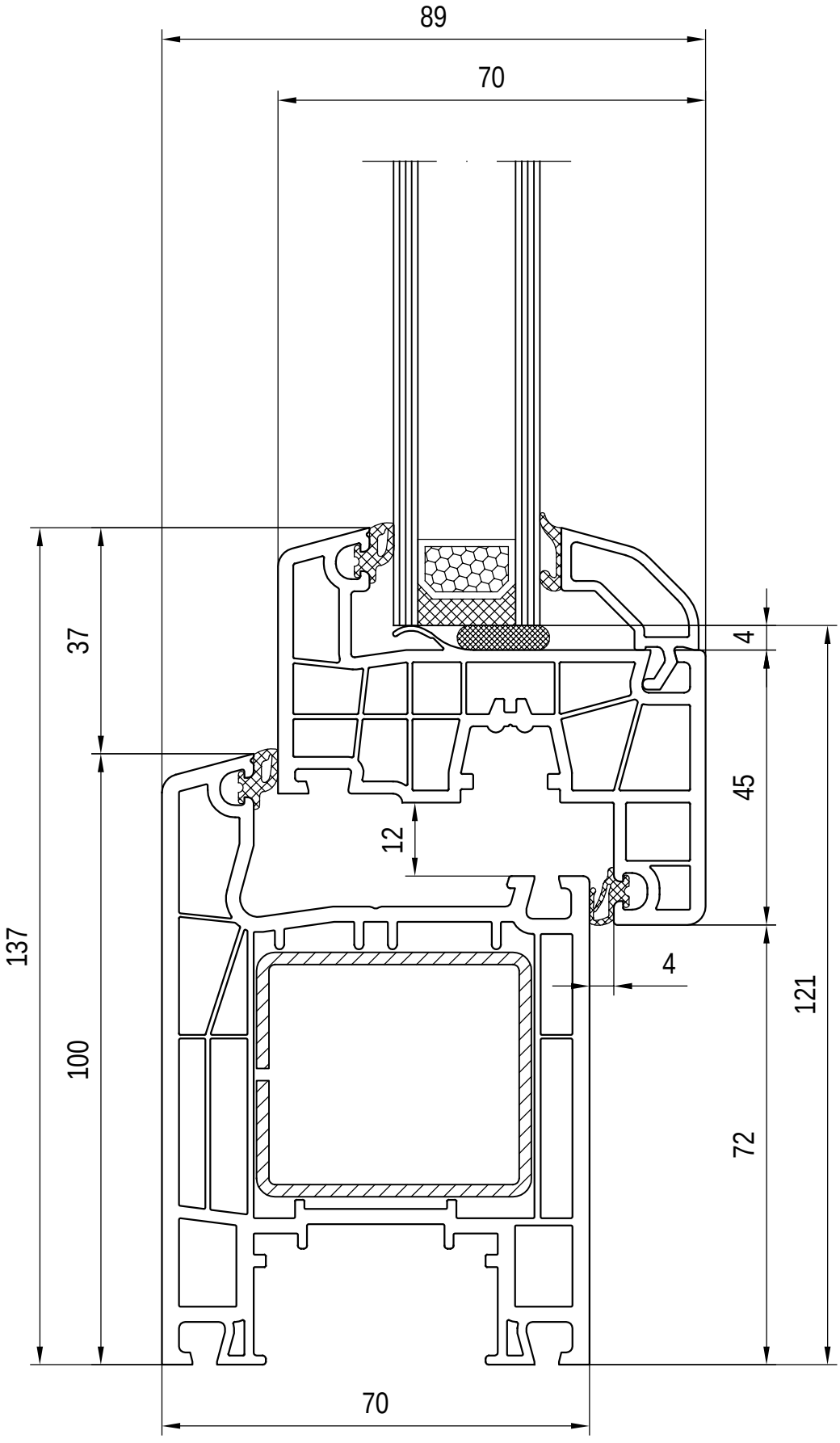
Glasleiste 120846/120876

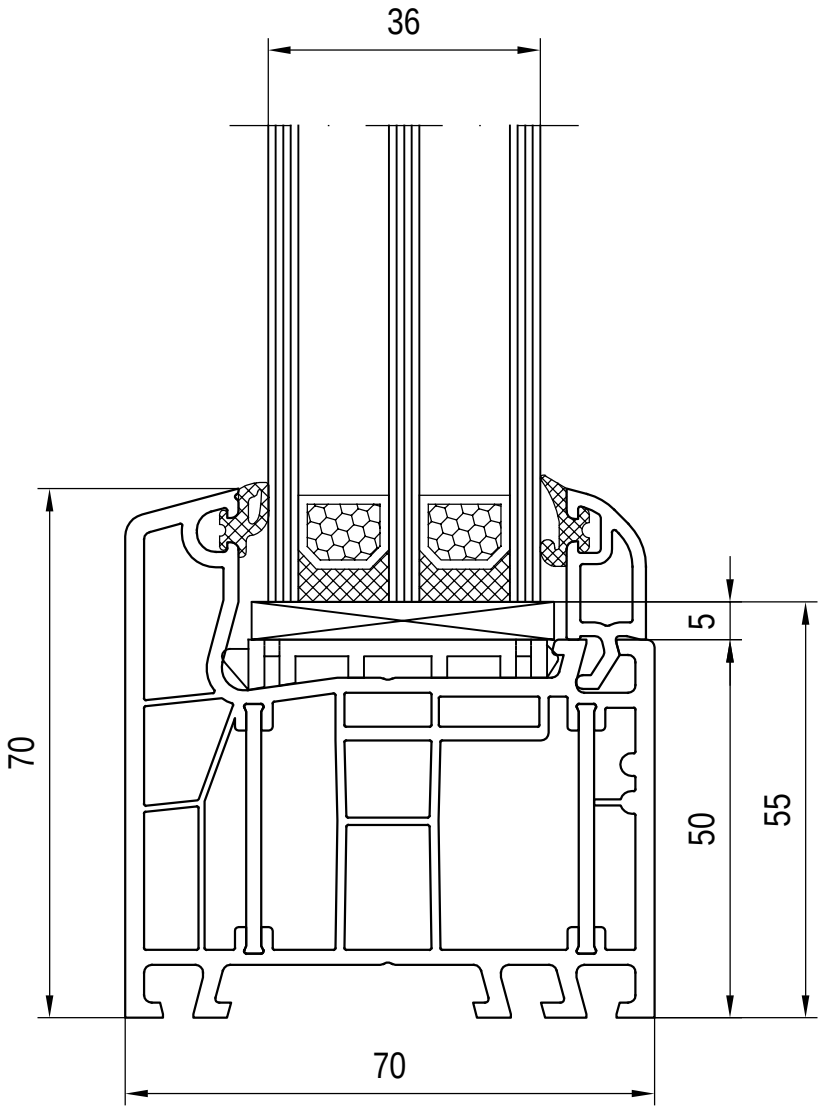
Rahmen 140x81
Flügel 140x37

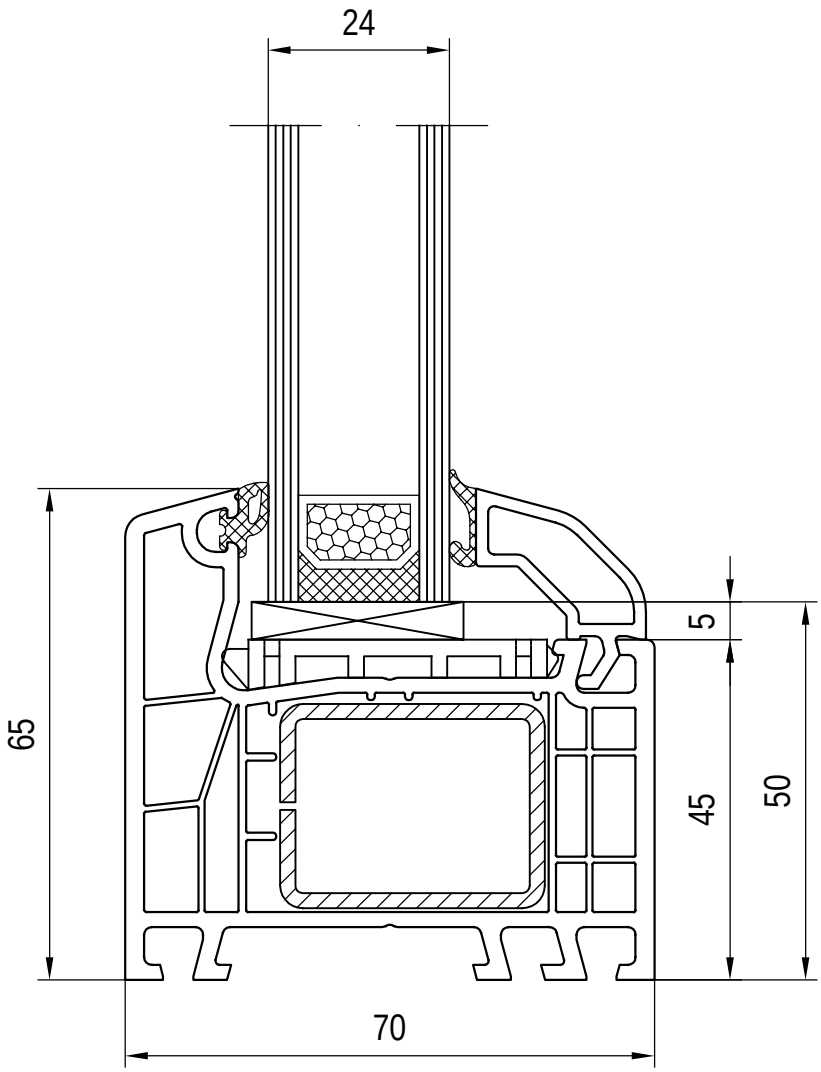


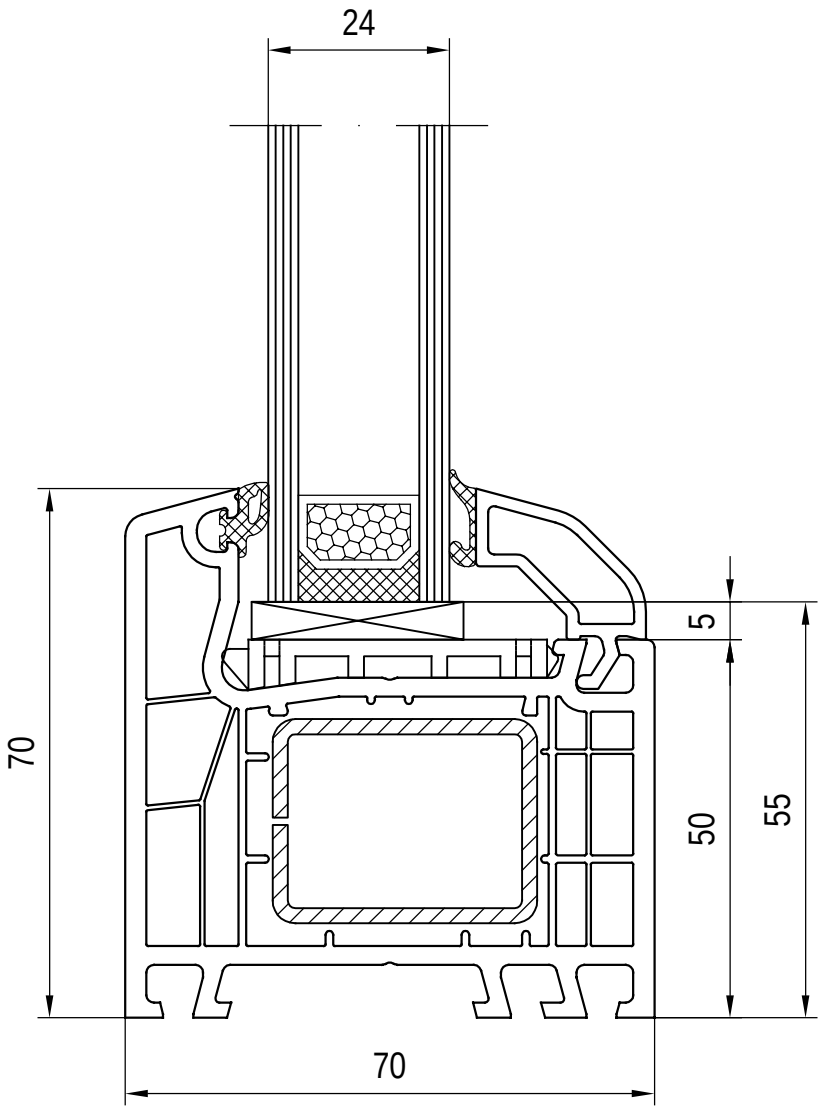
* Falzluft bei Haustüren links und rechts = 13mm

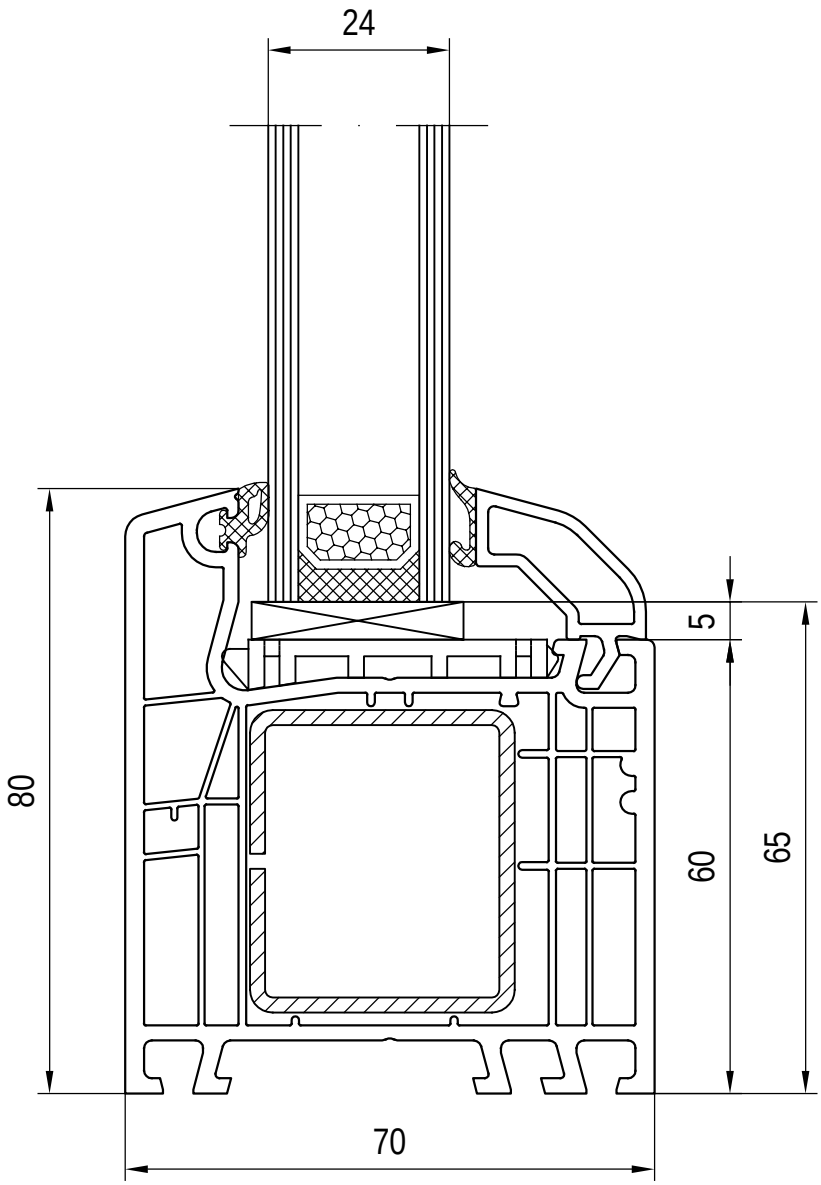

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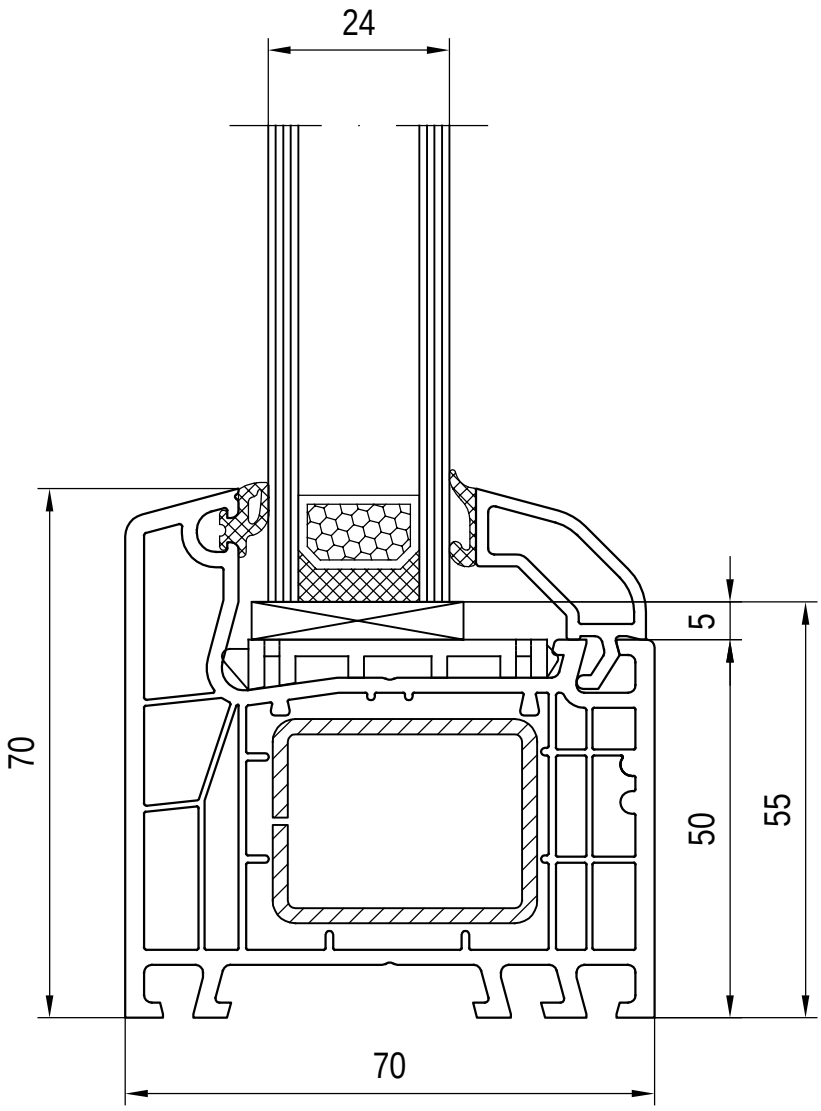

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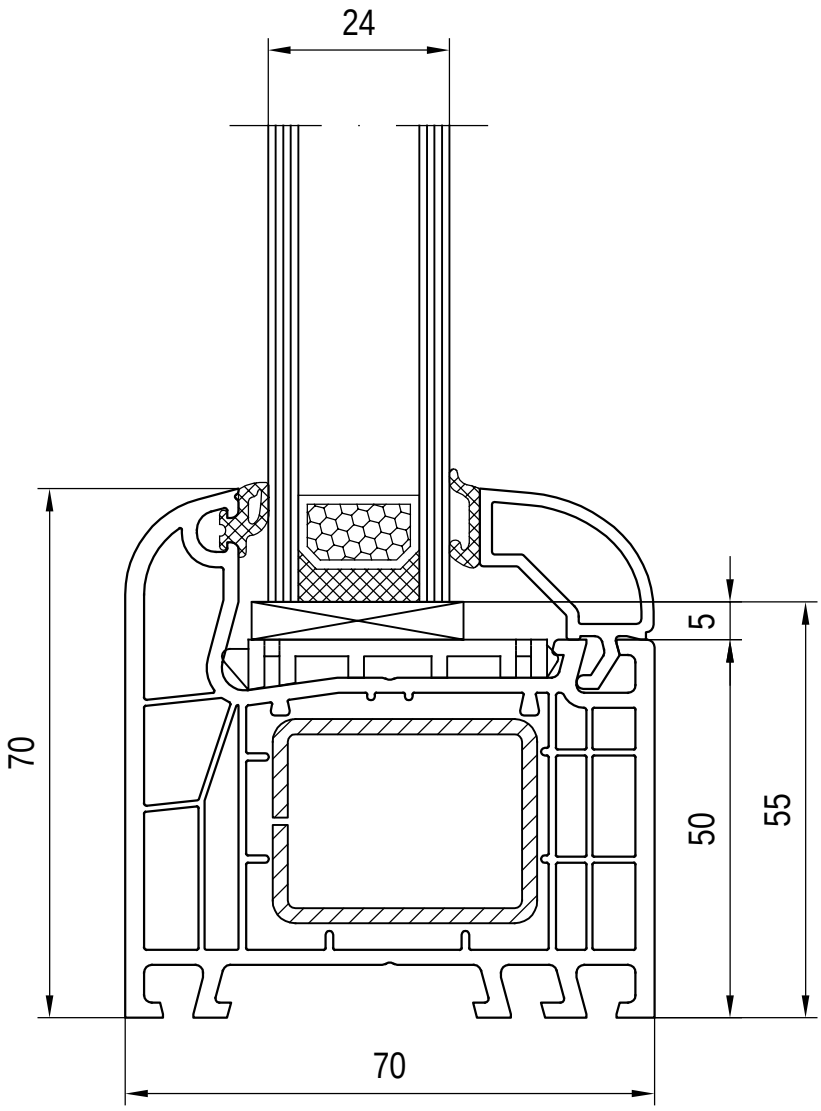

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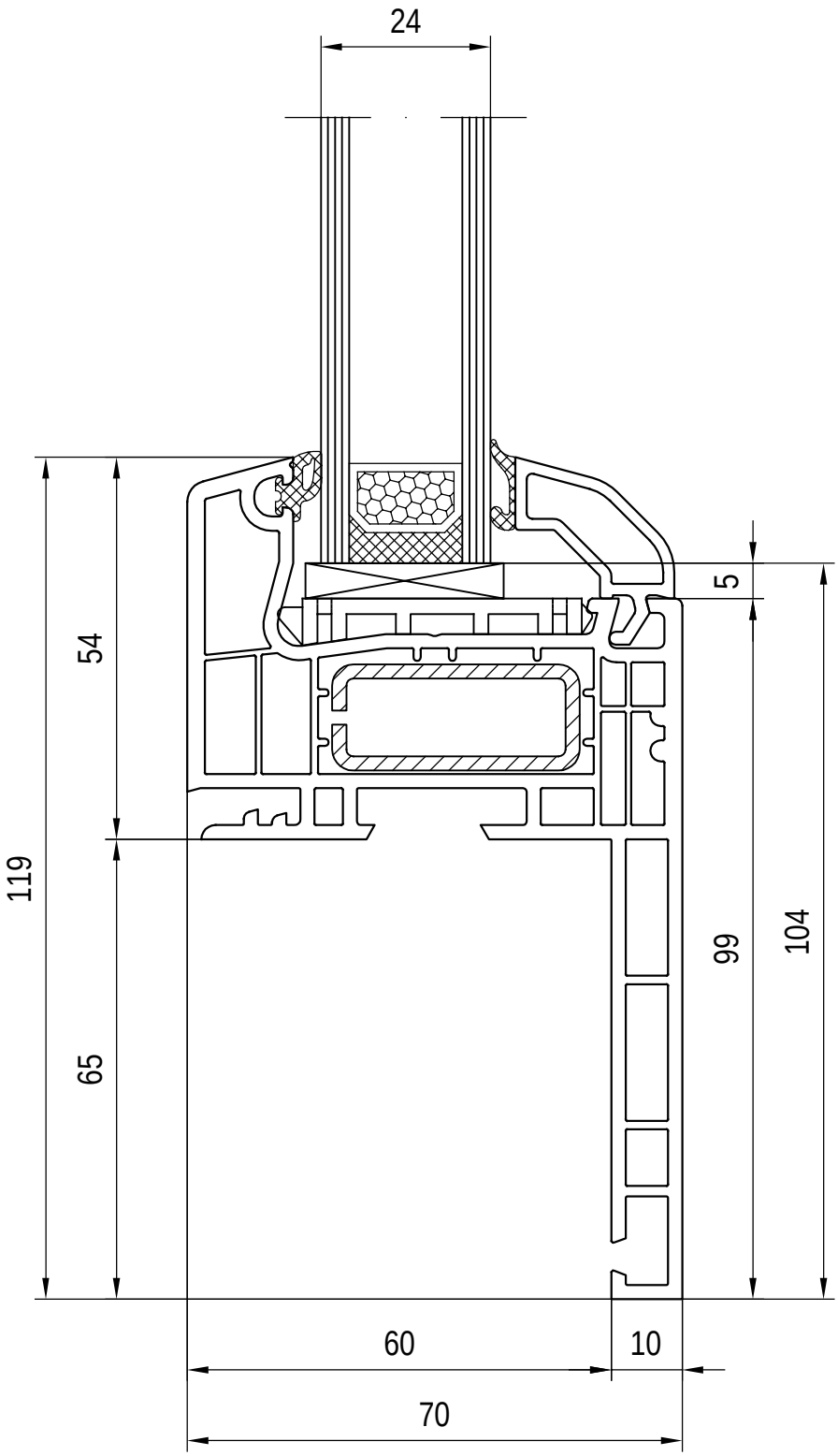

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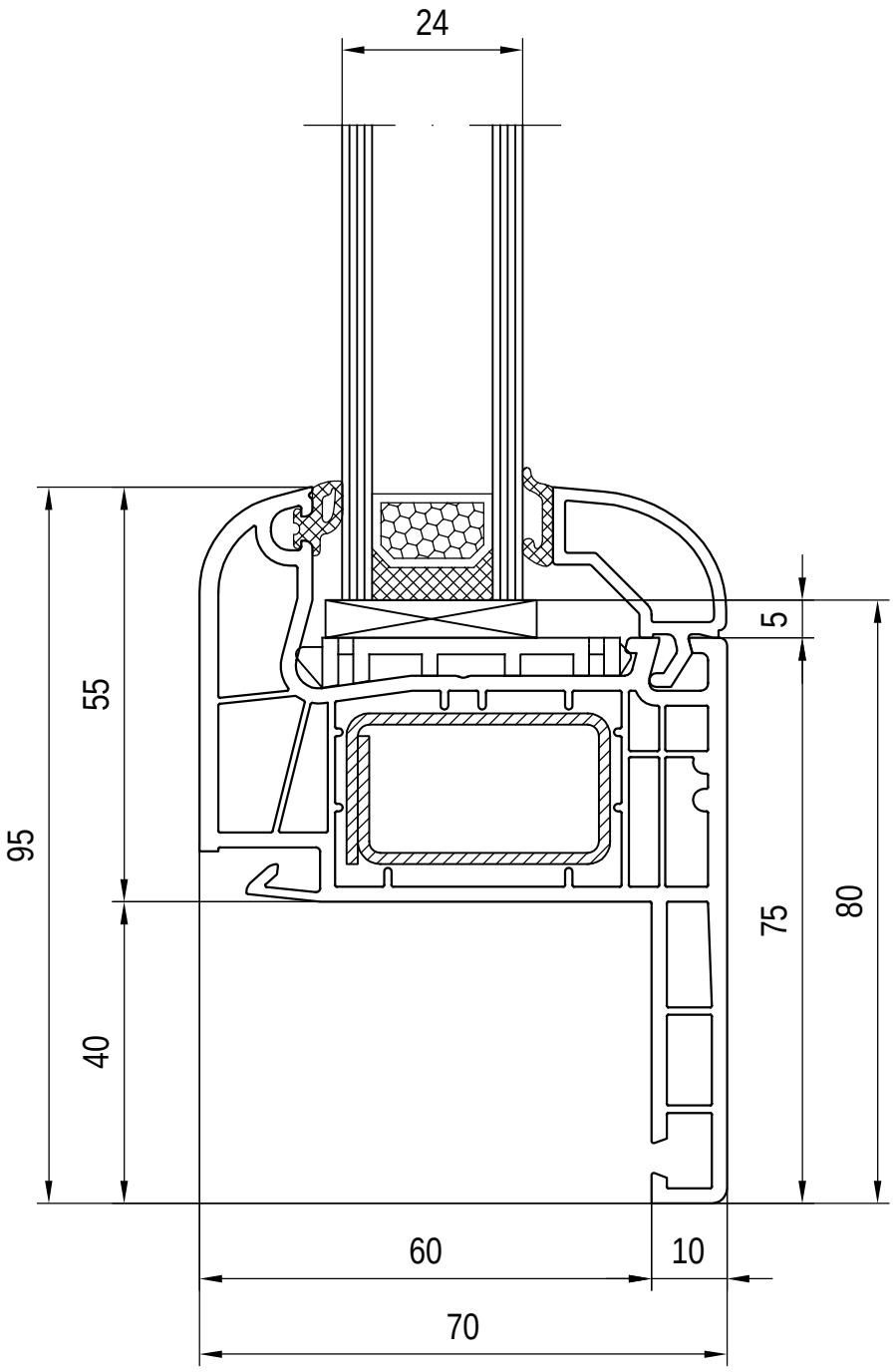

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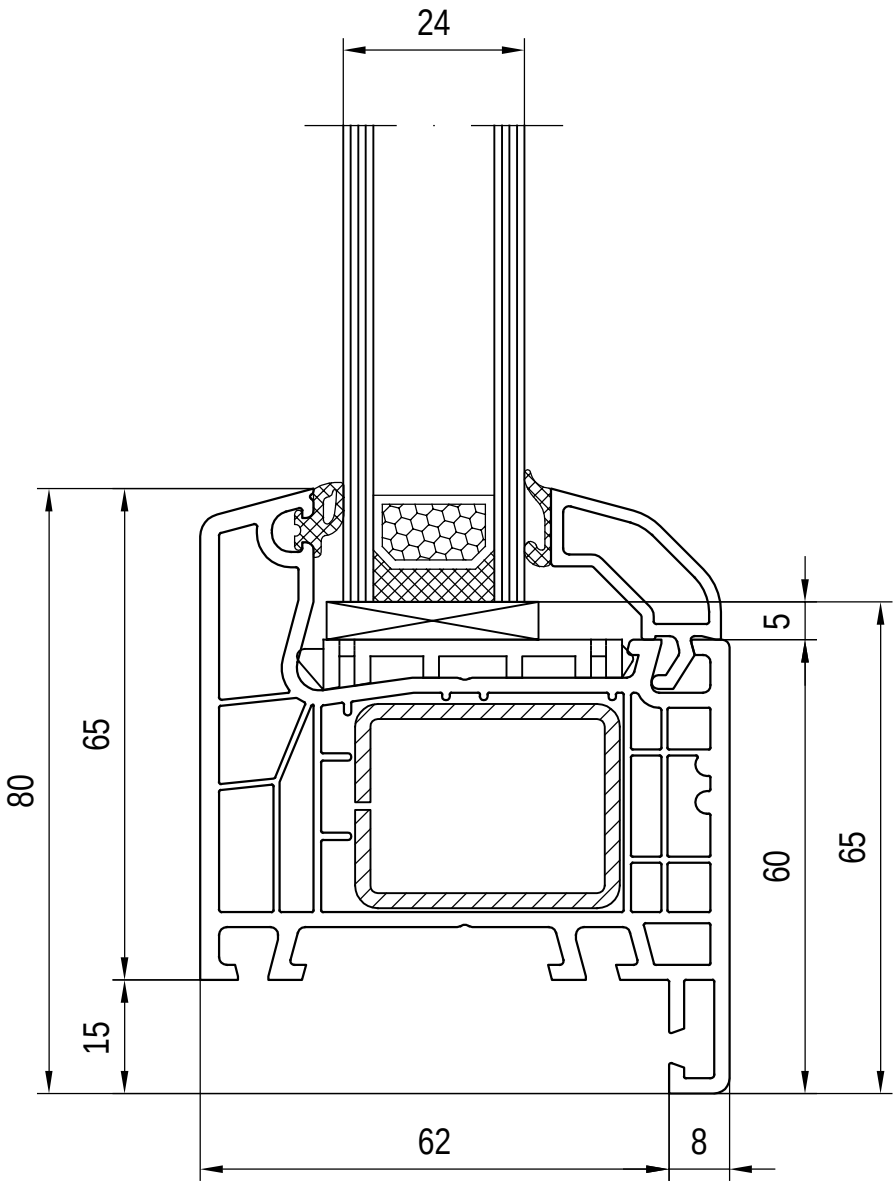

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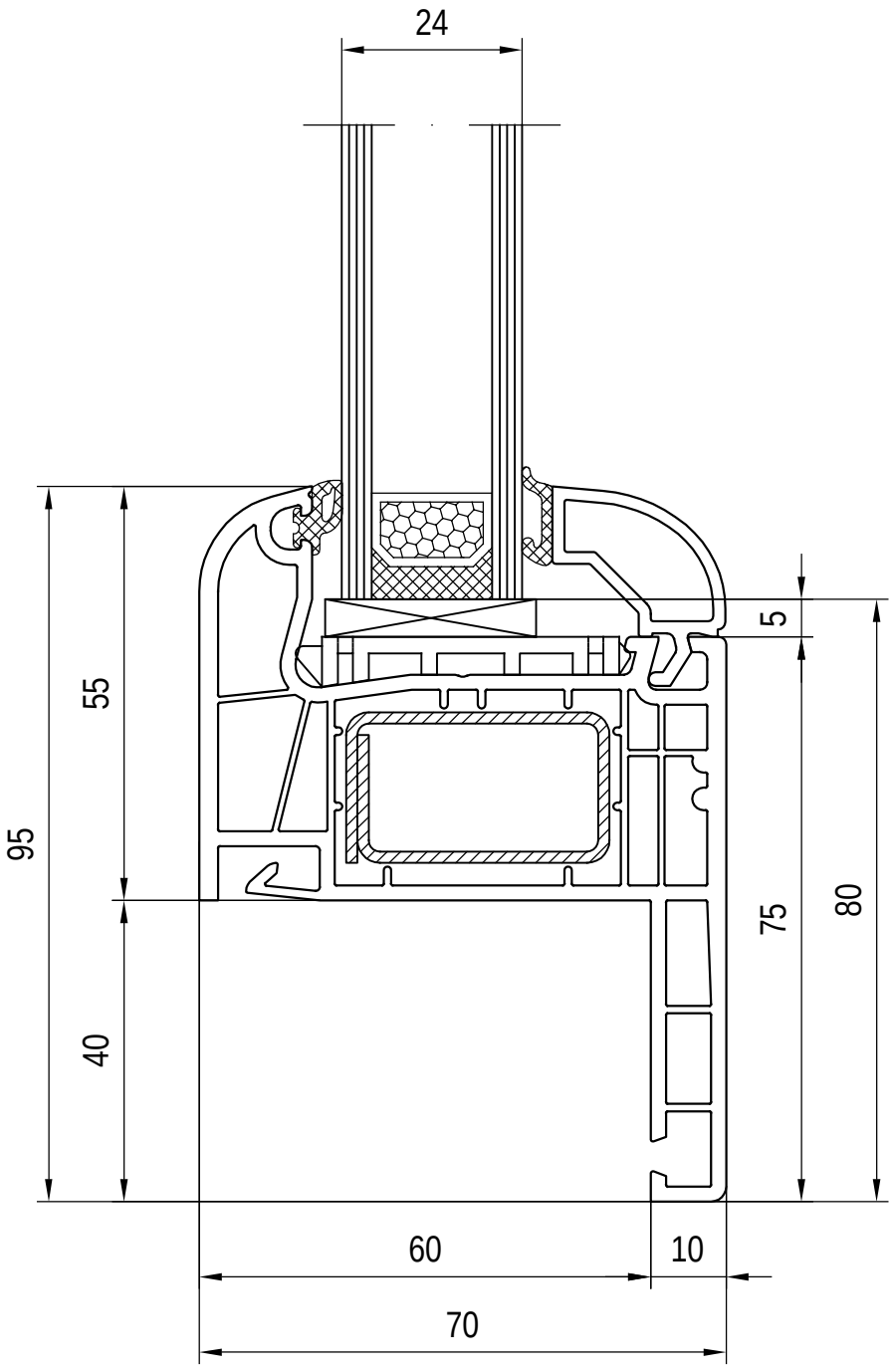

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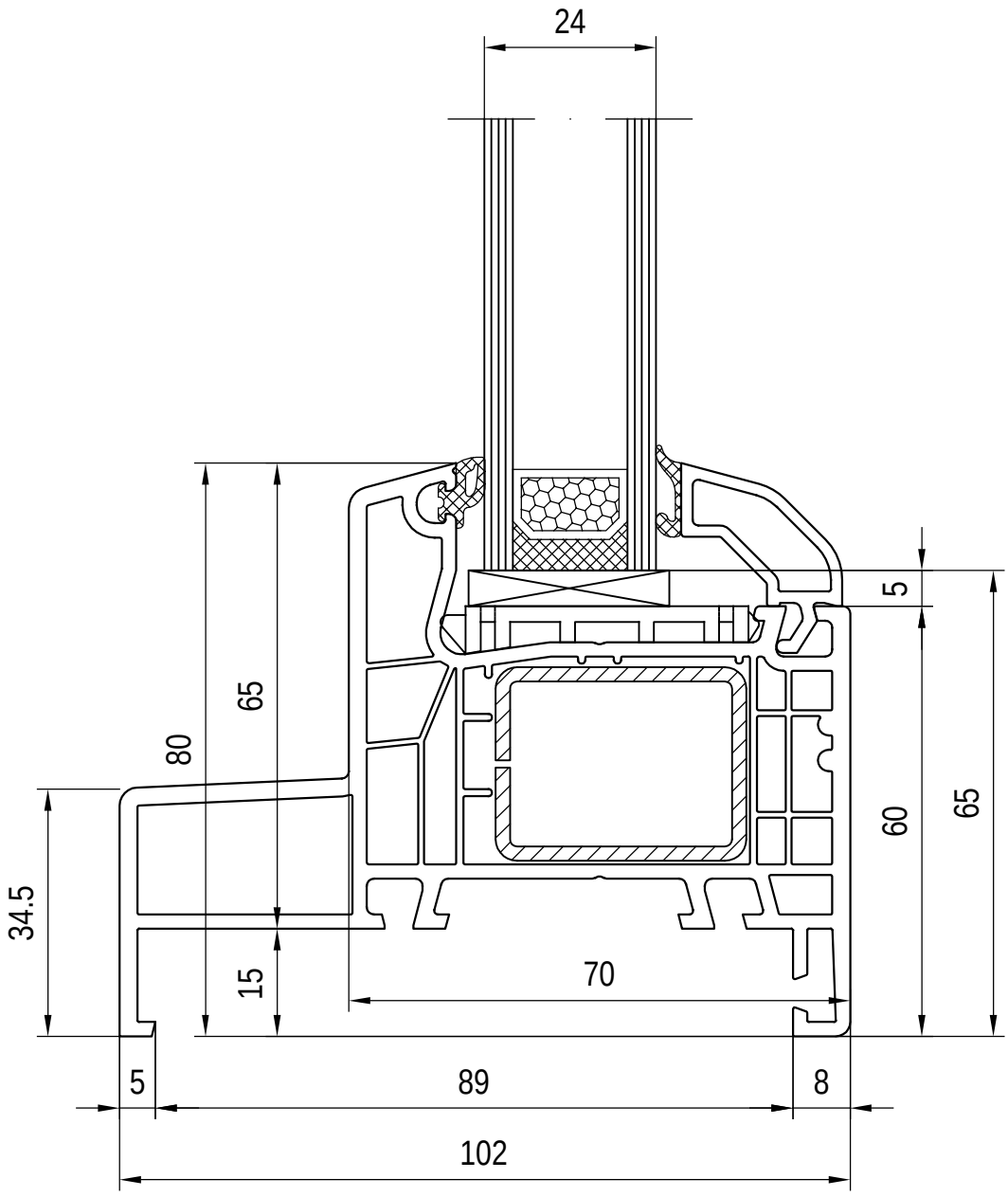

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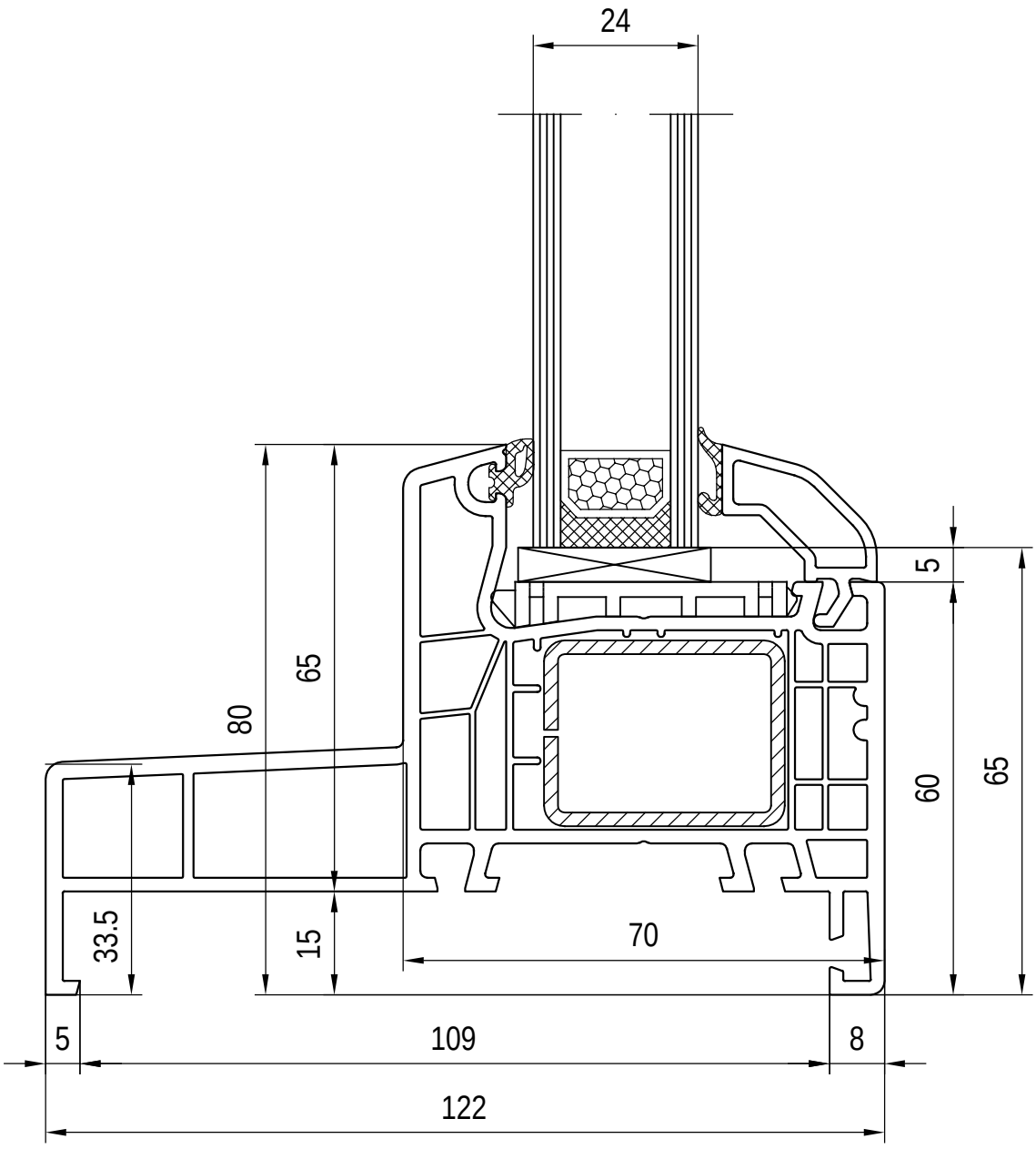

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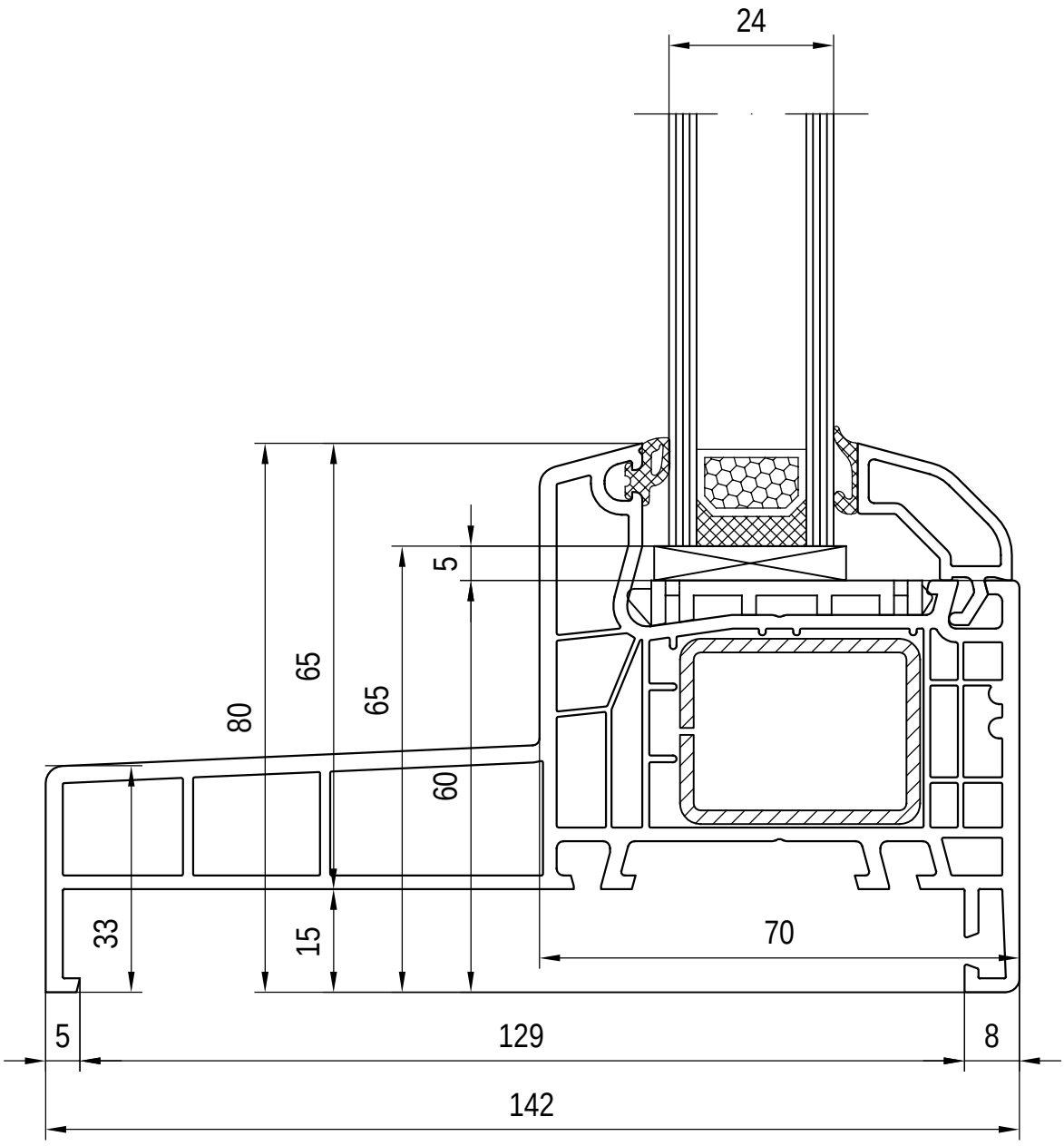

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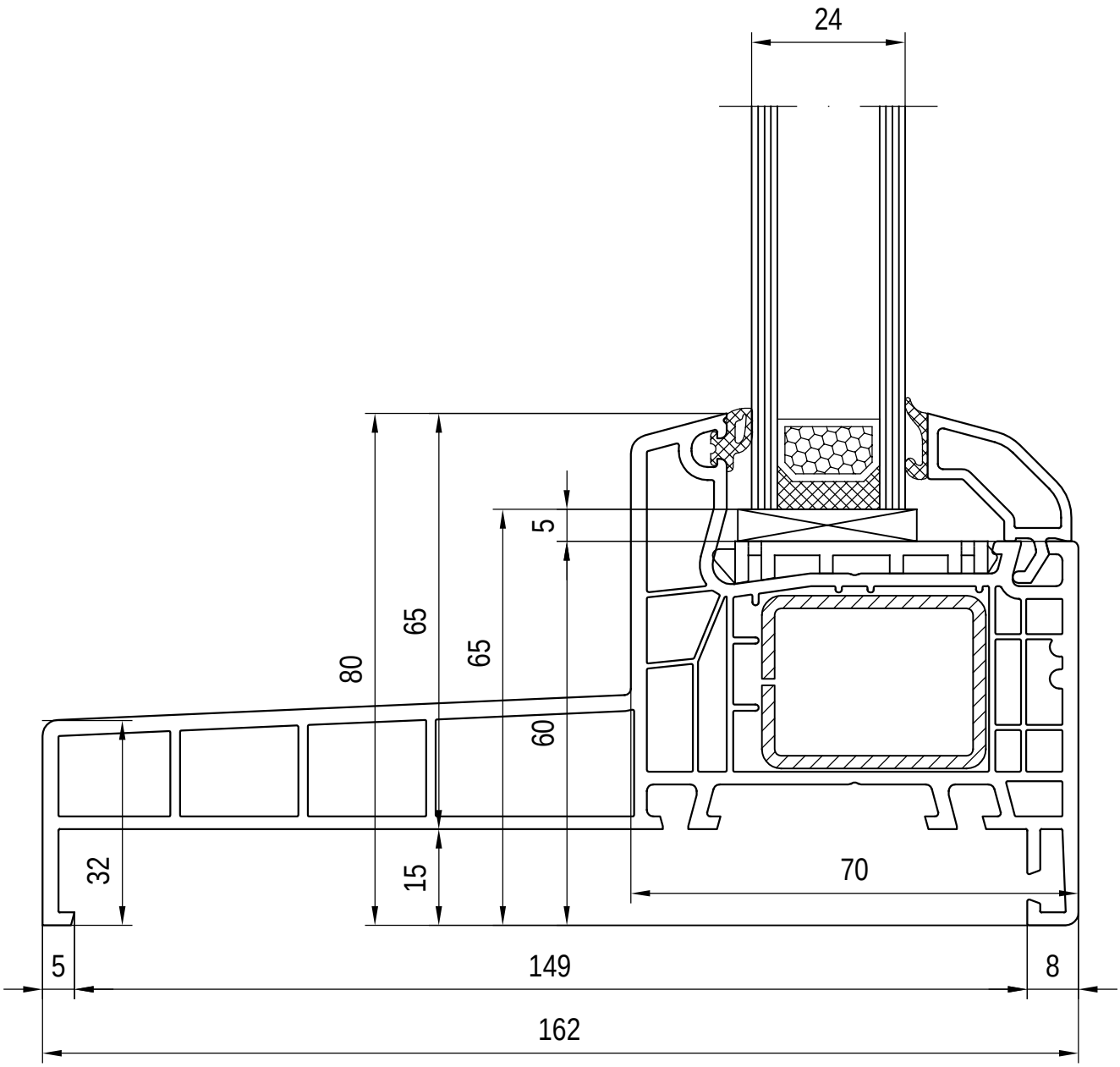

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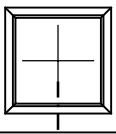

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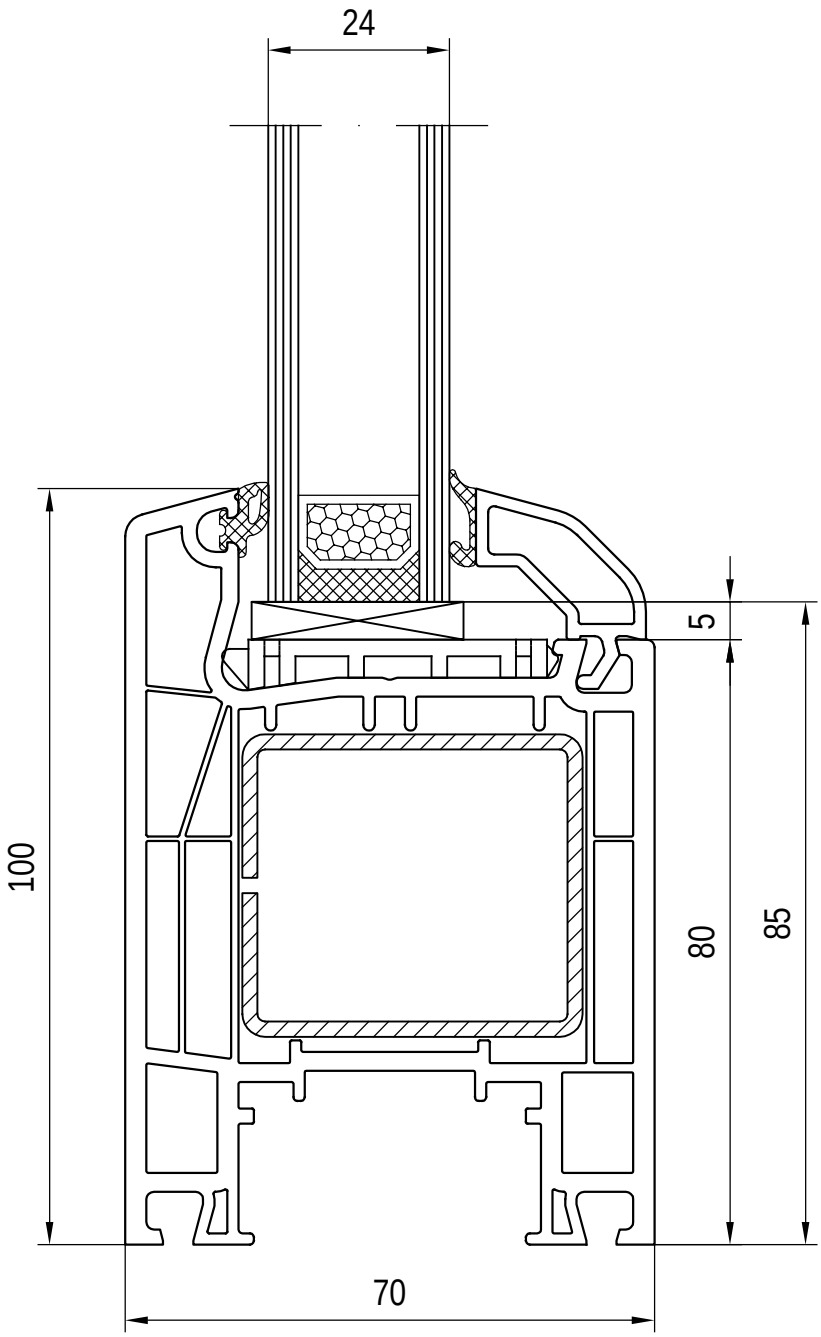

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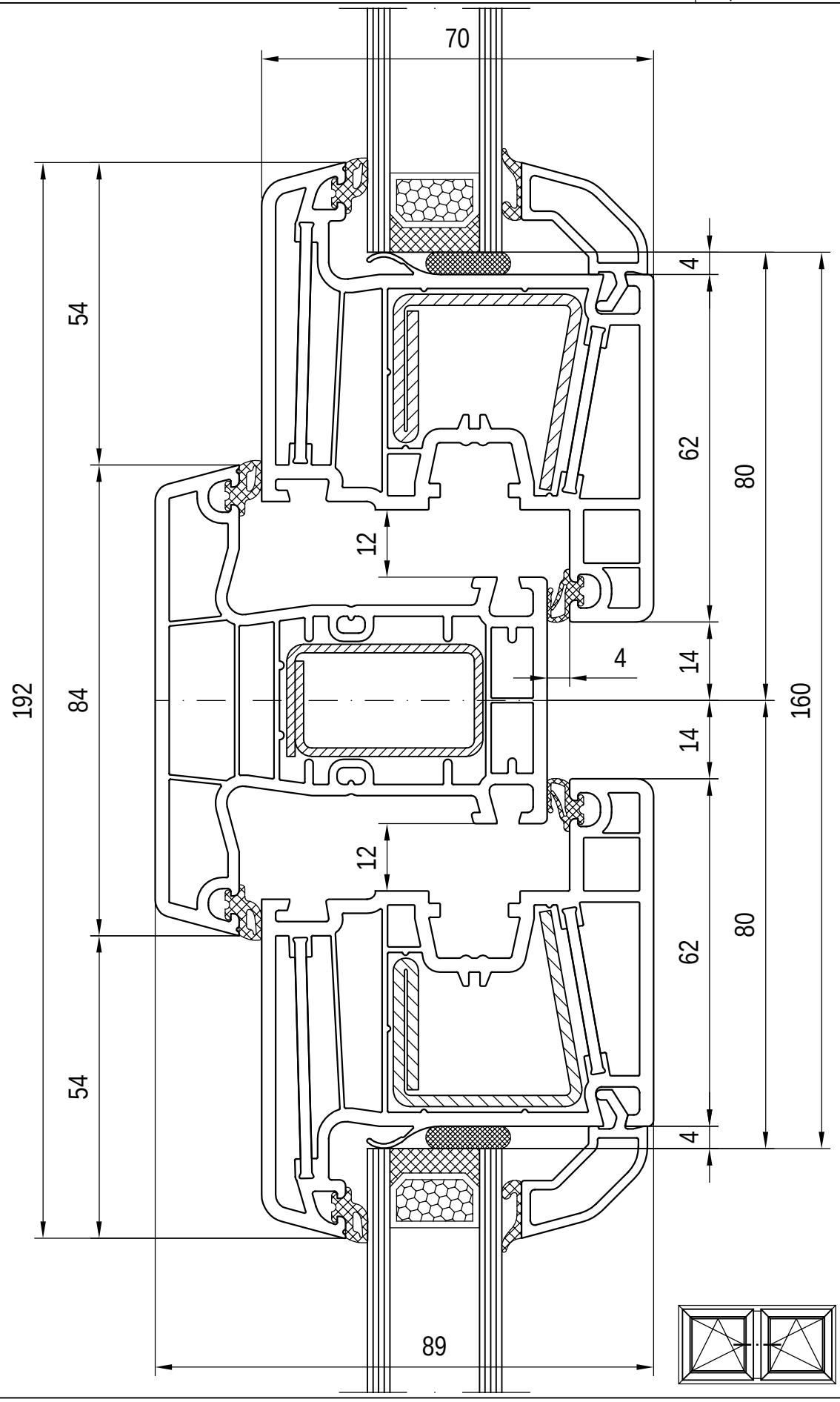

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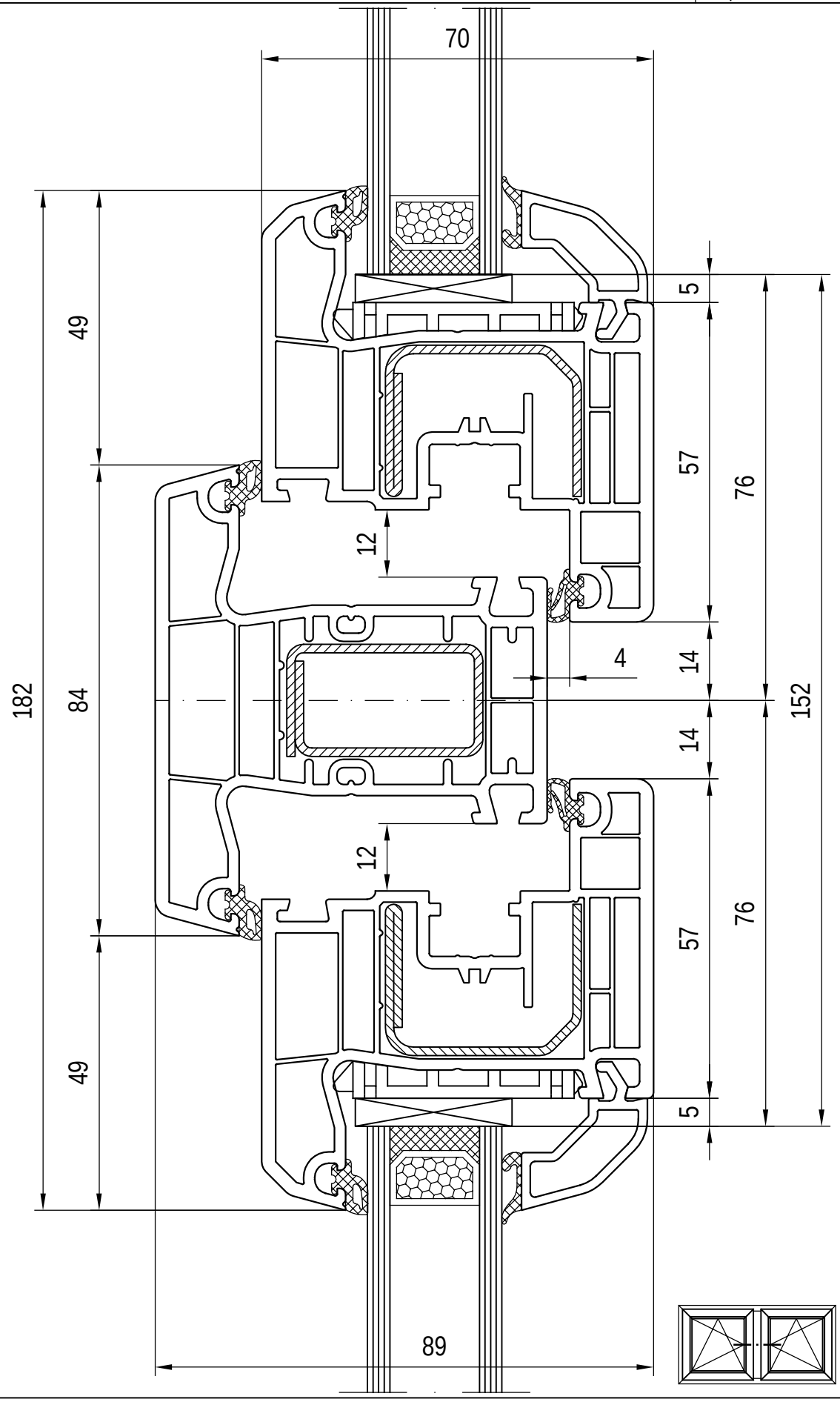

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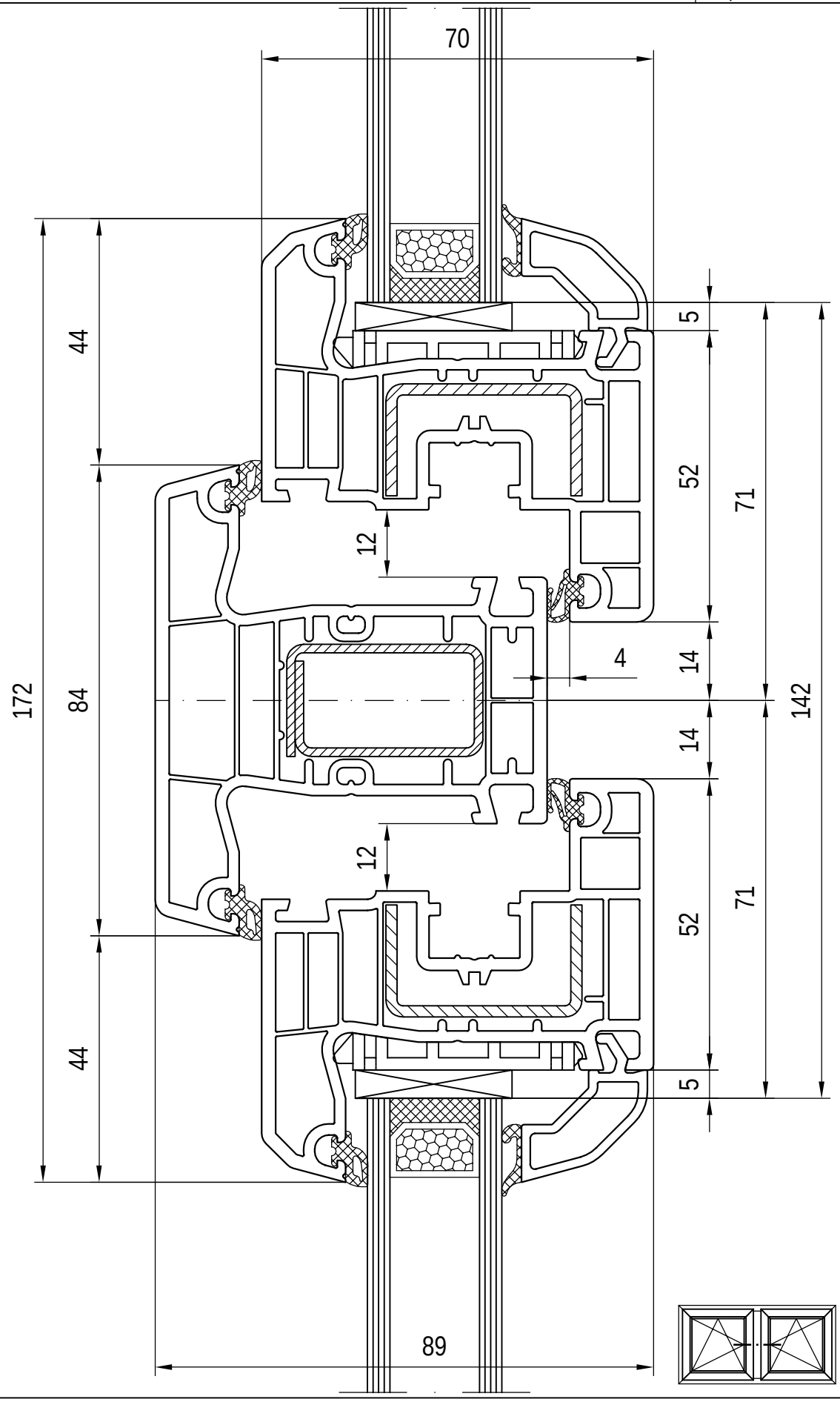

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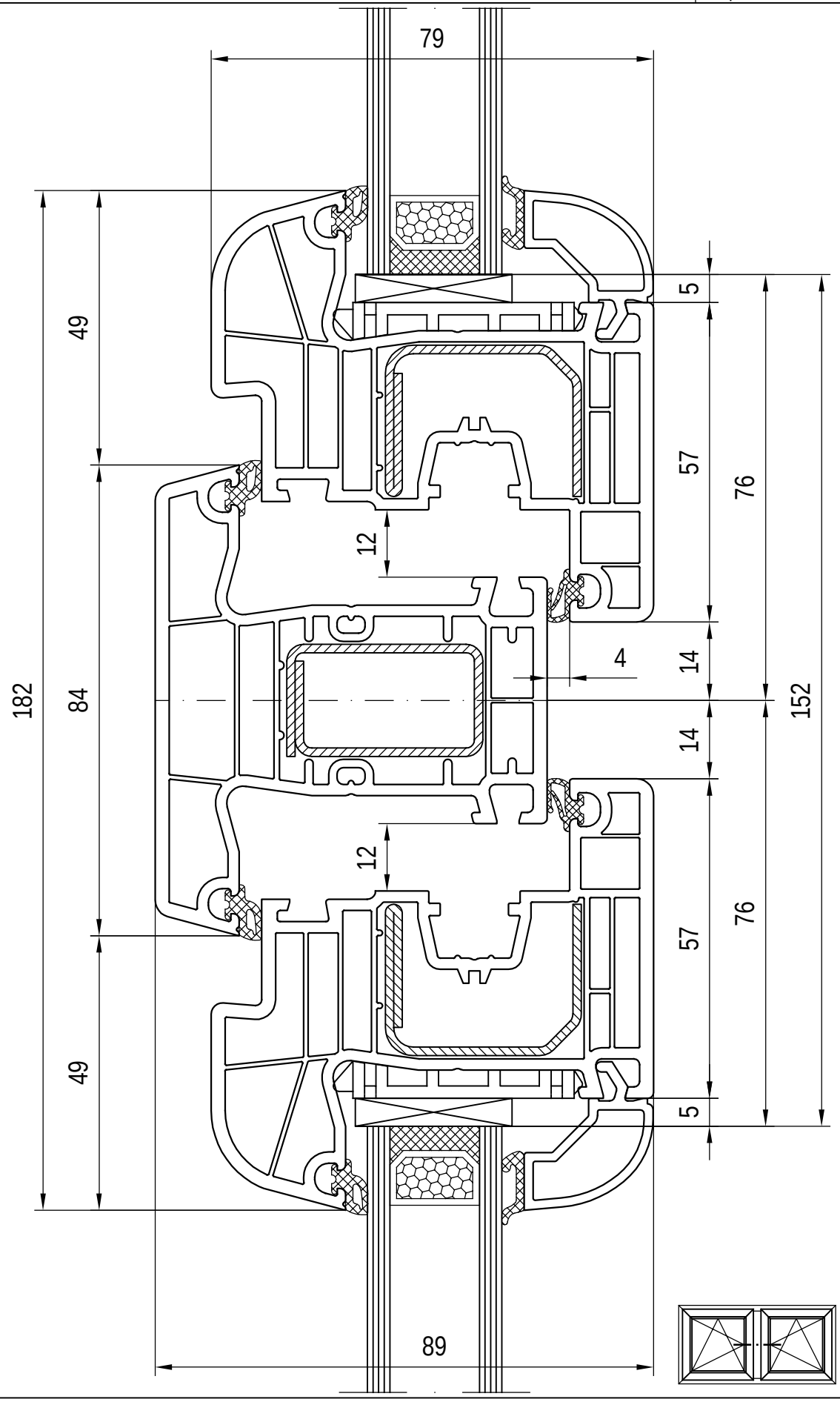


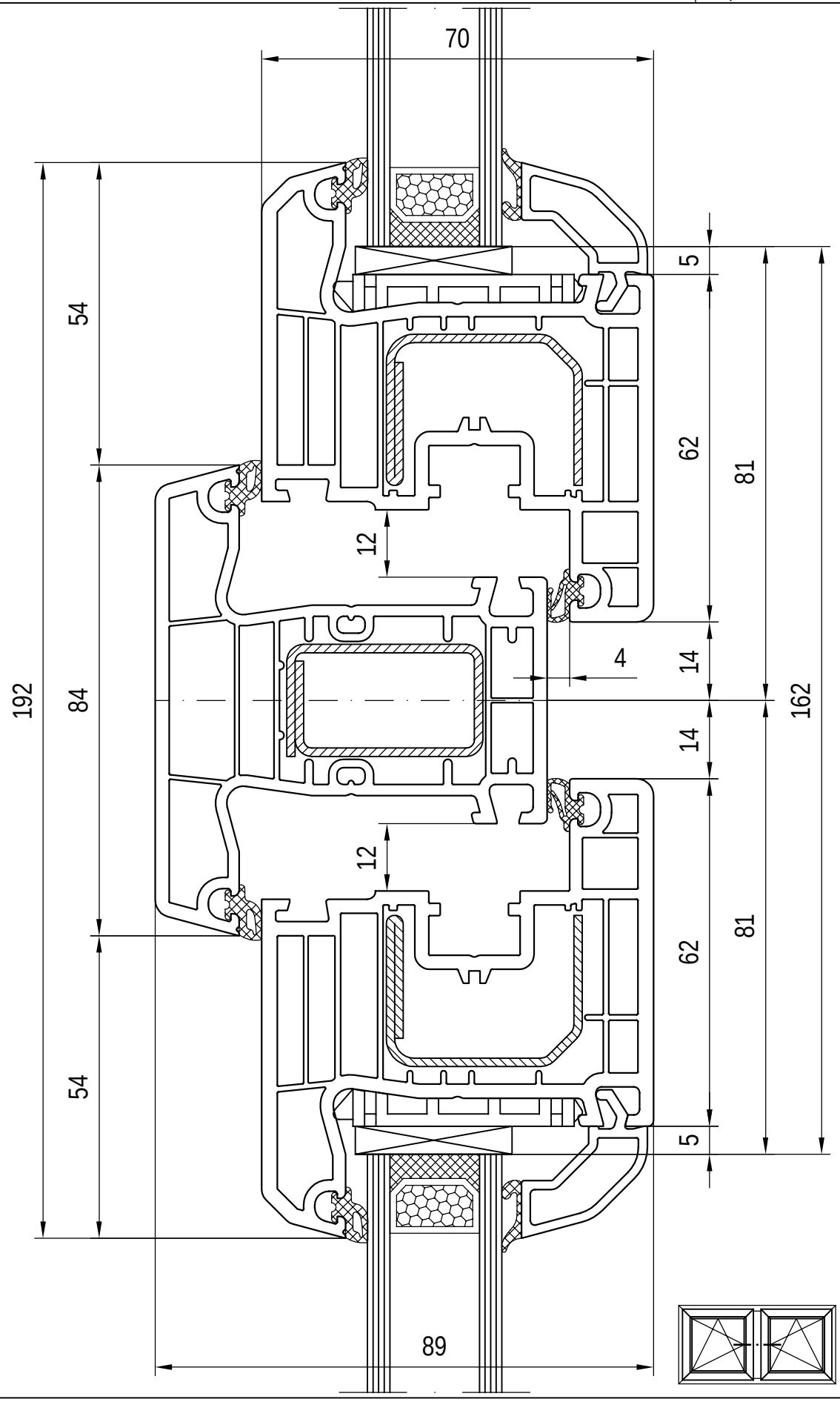

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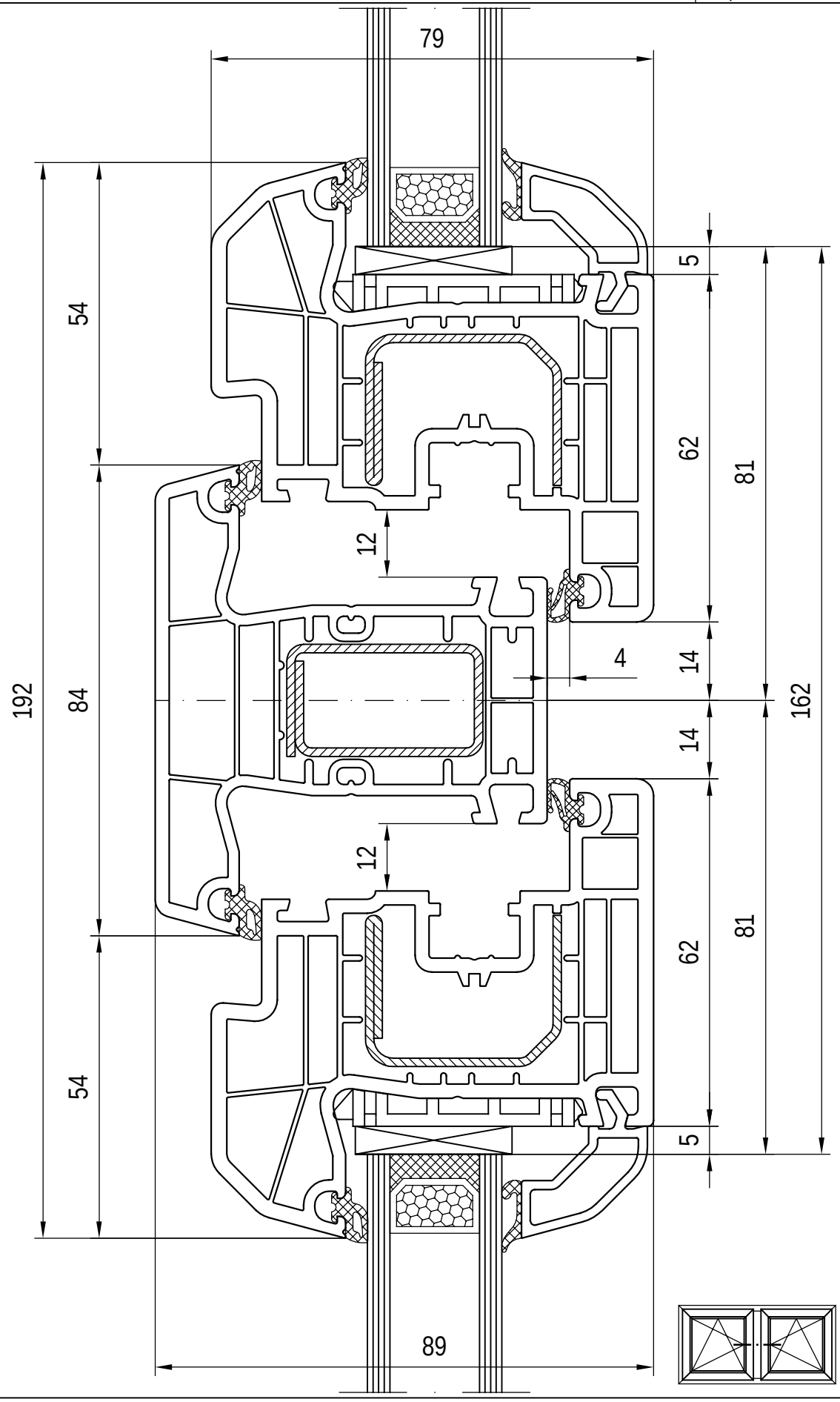

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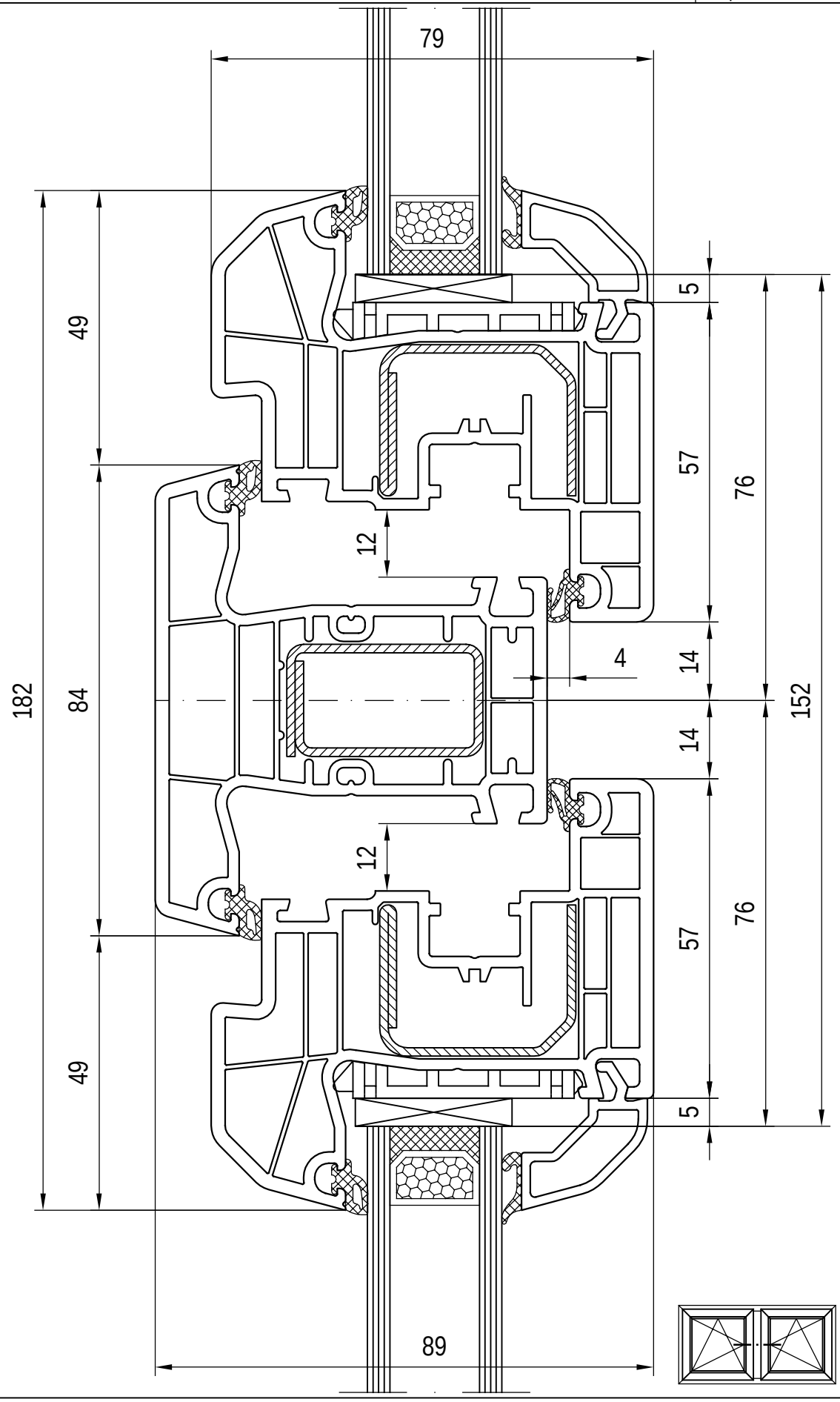

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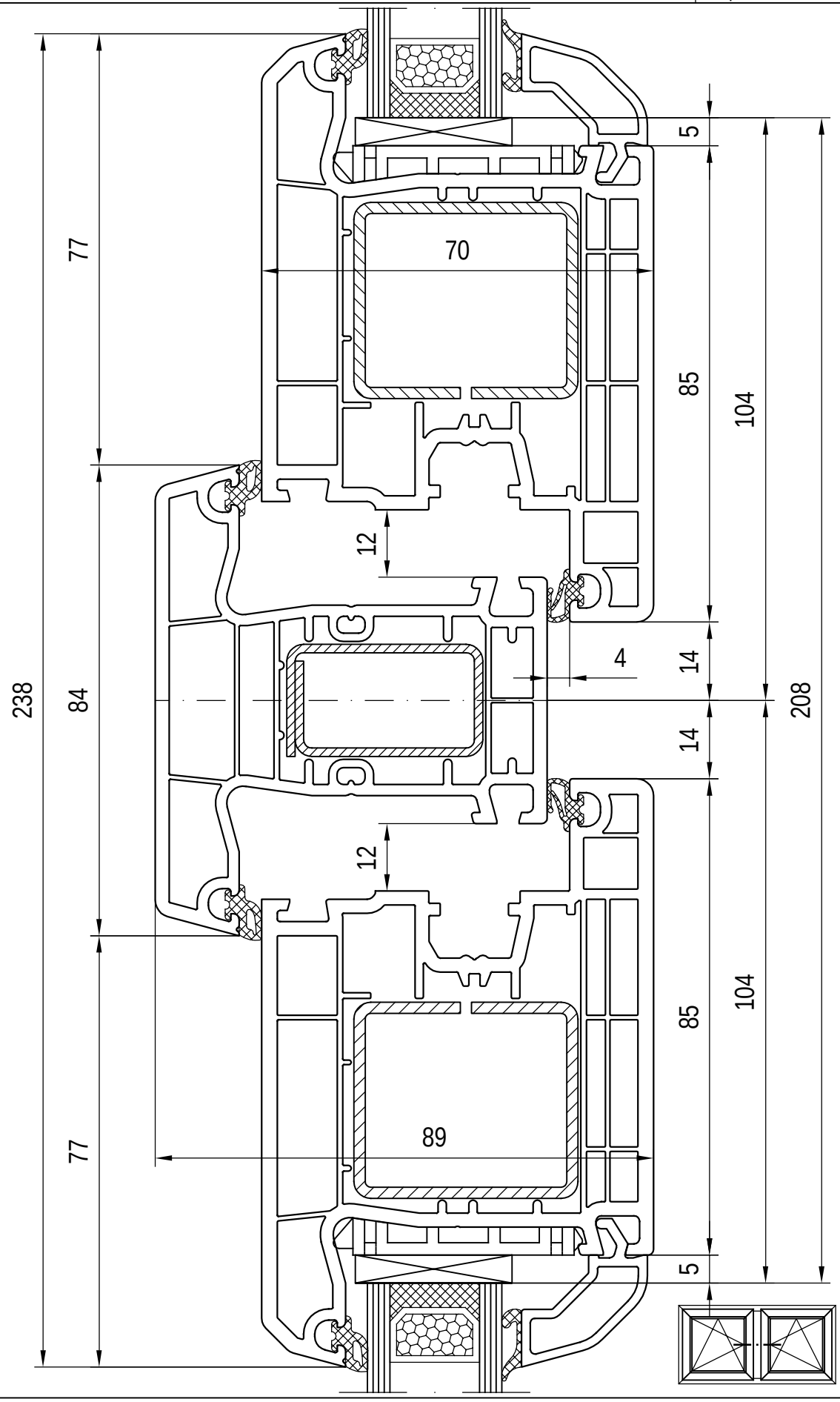

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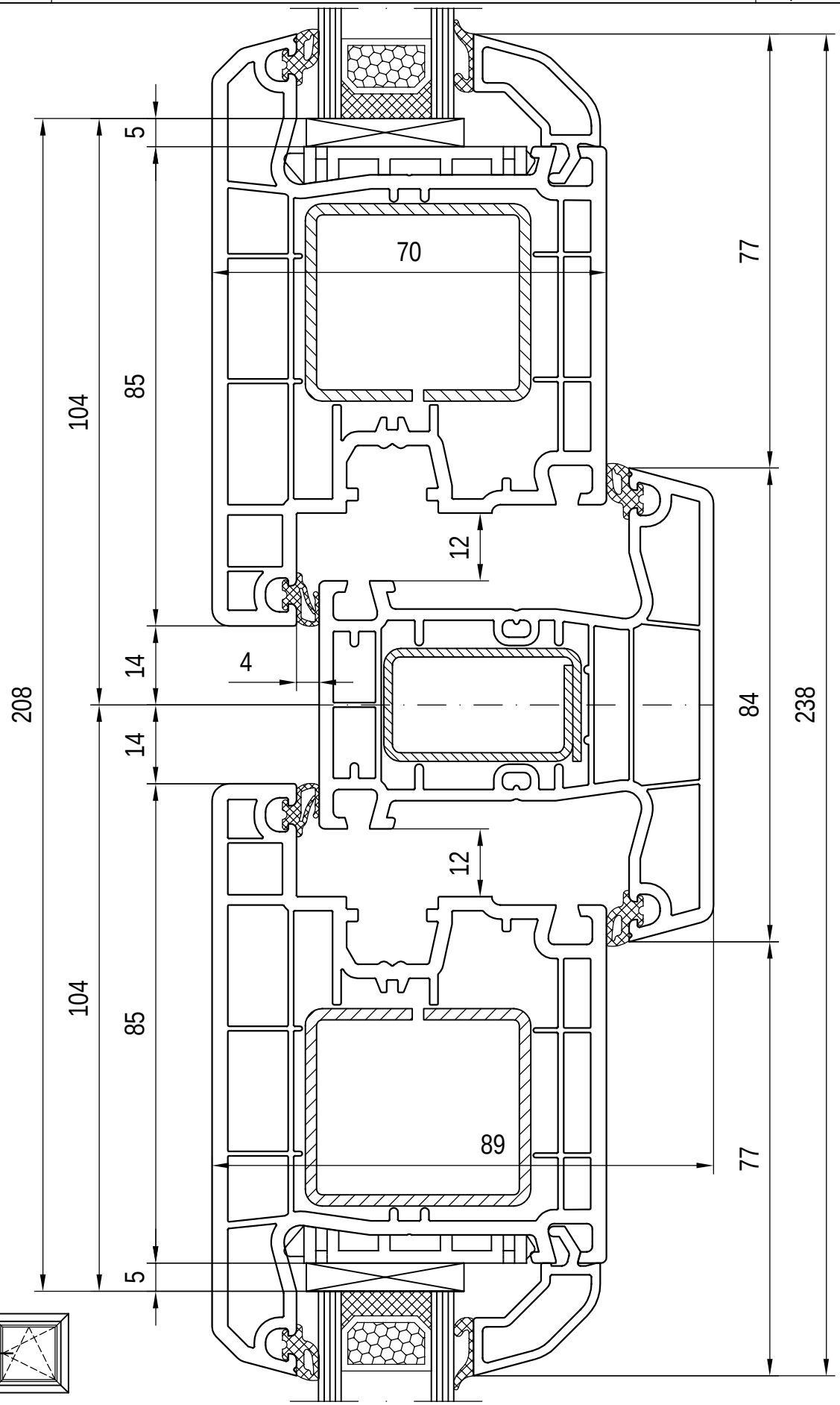

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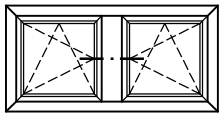

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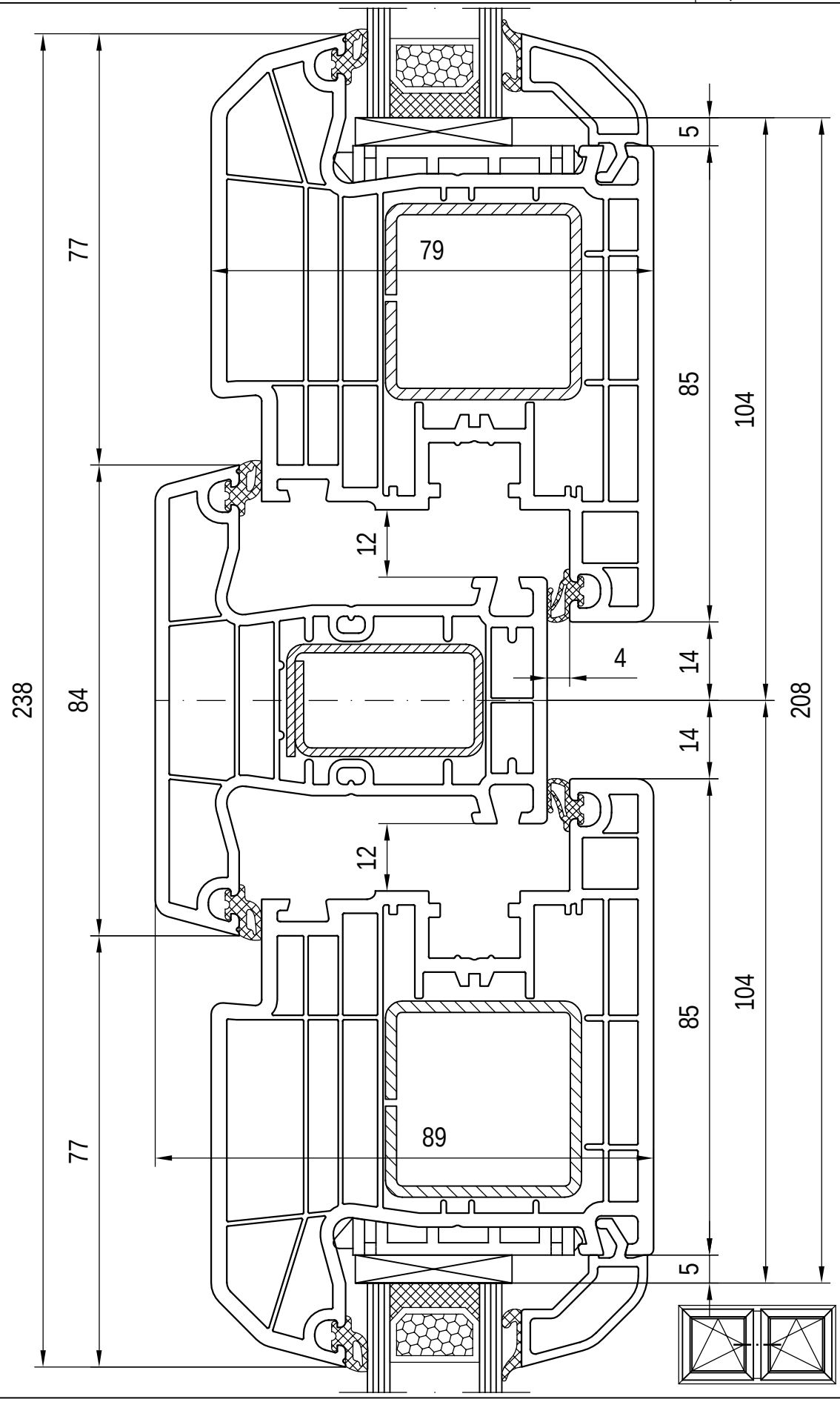

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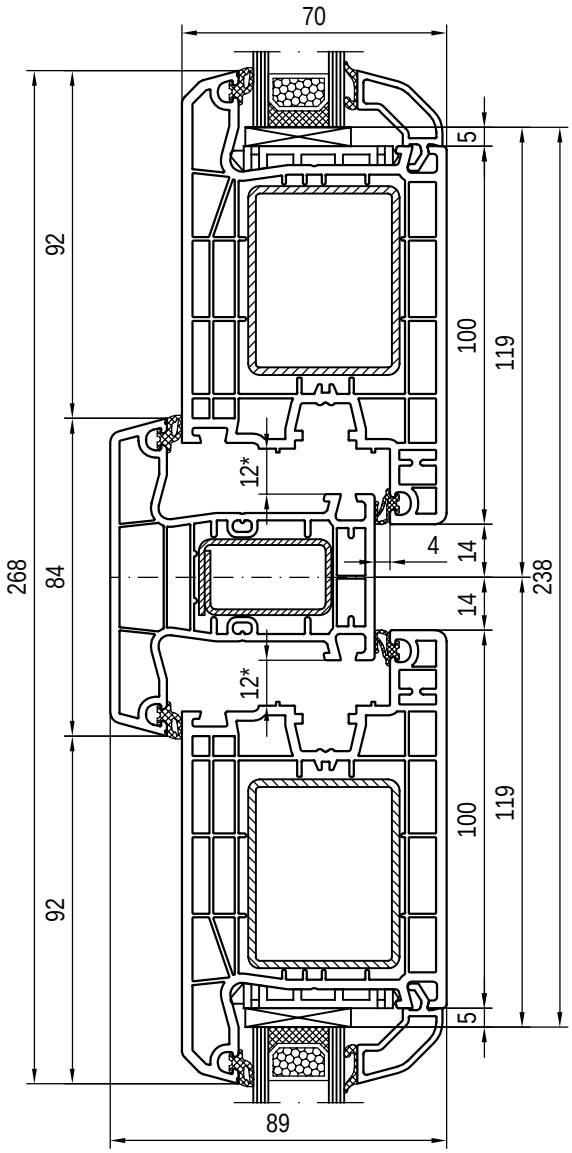

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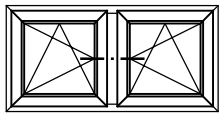

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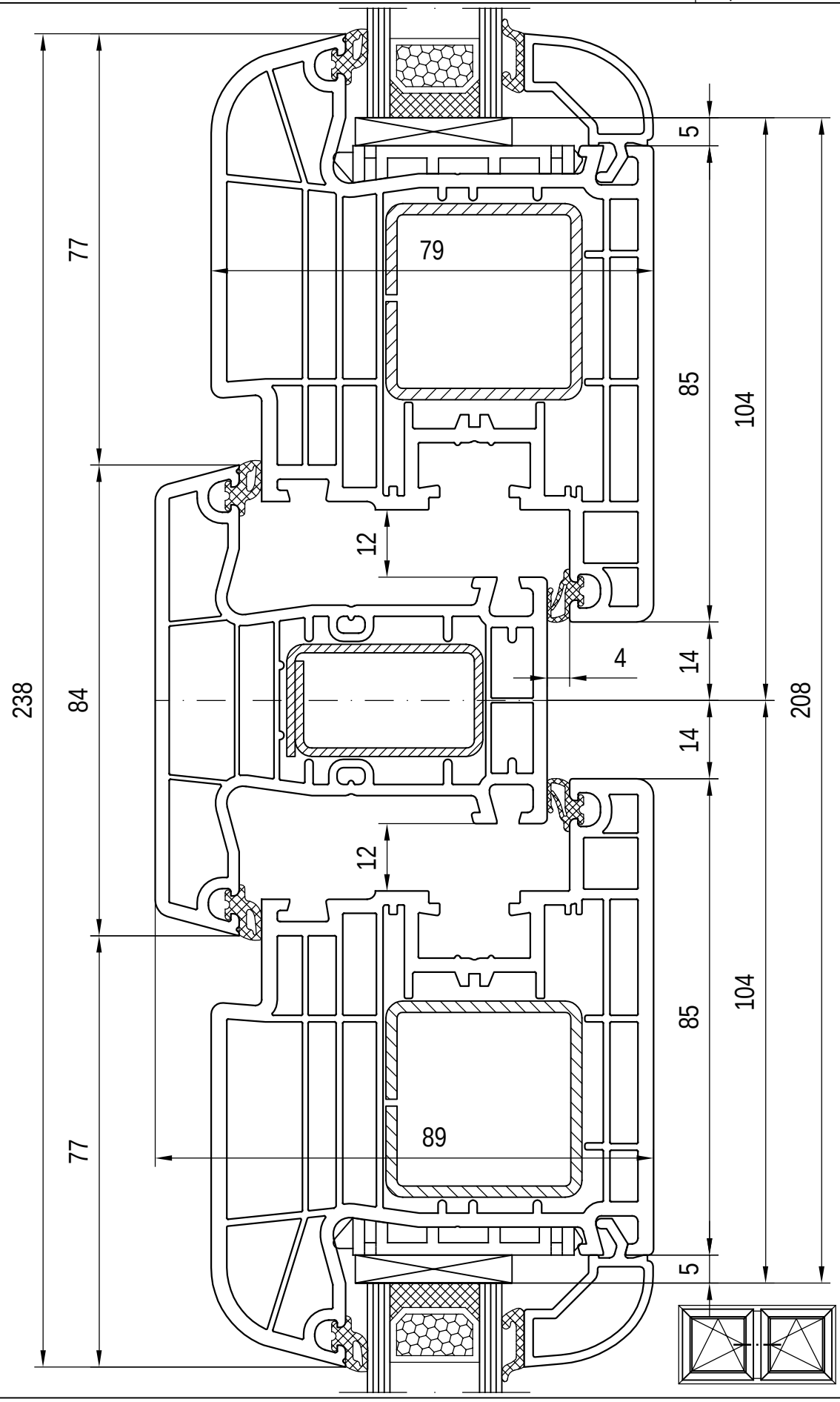


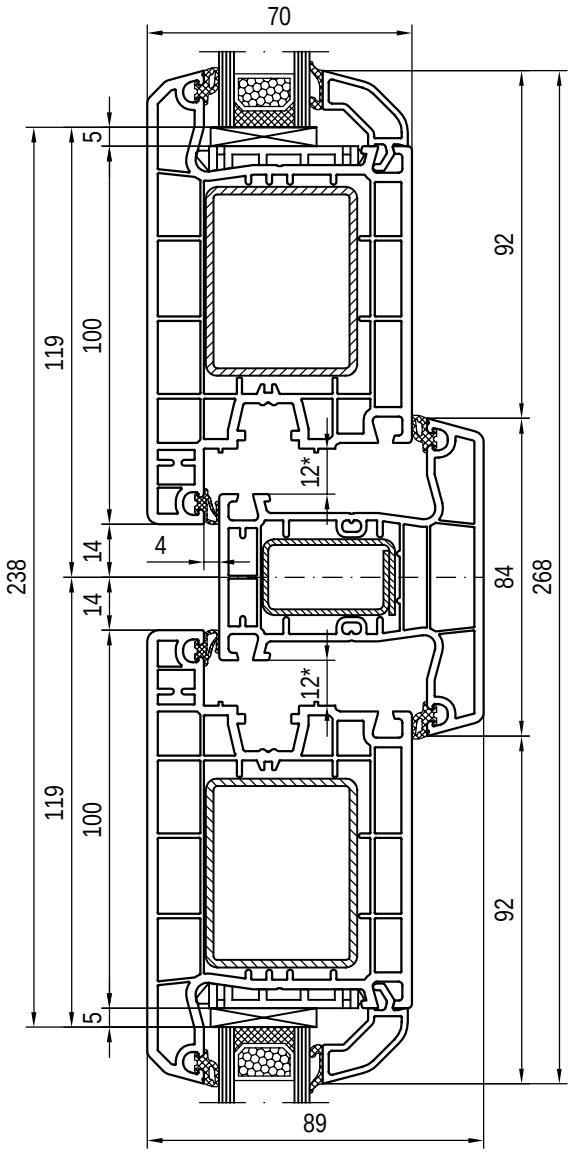

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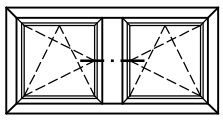




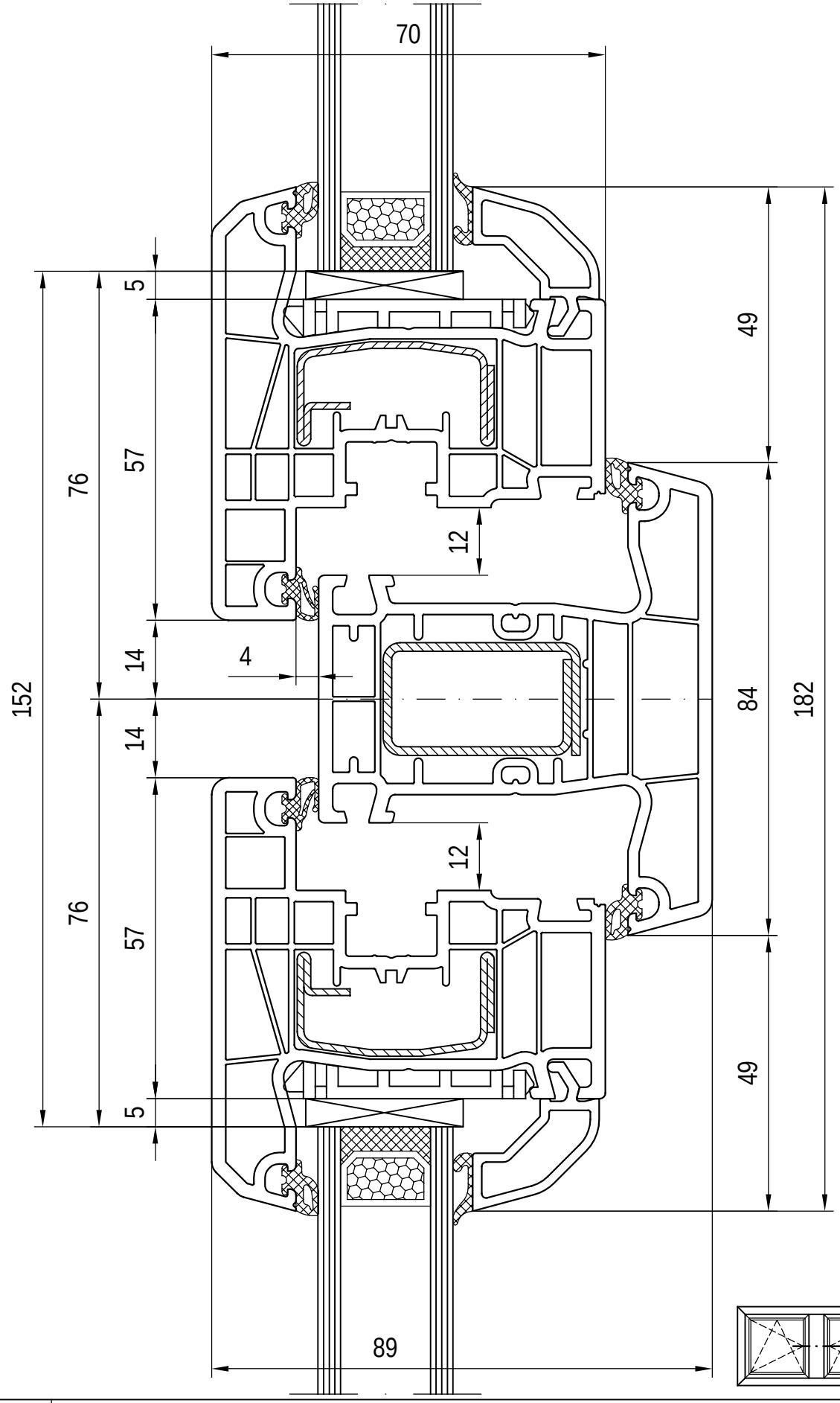
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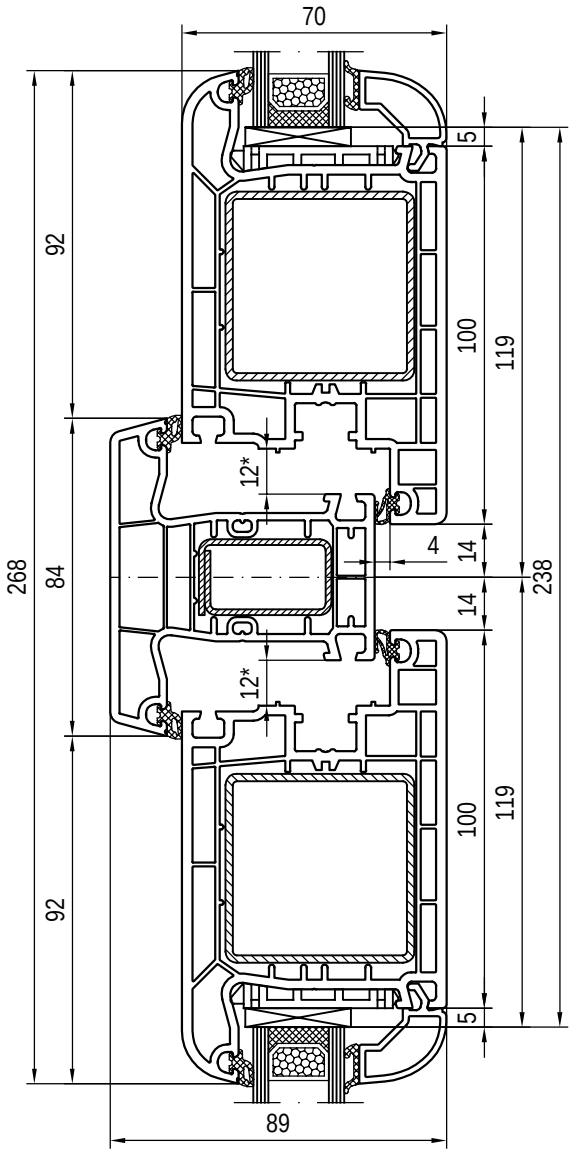

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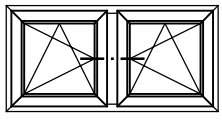




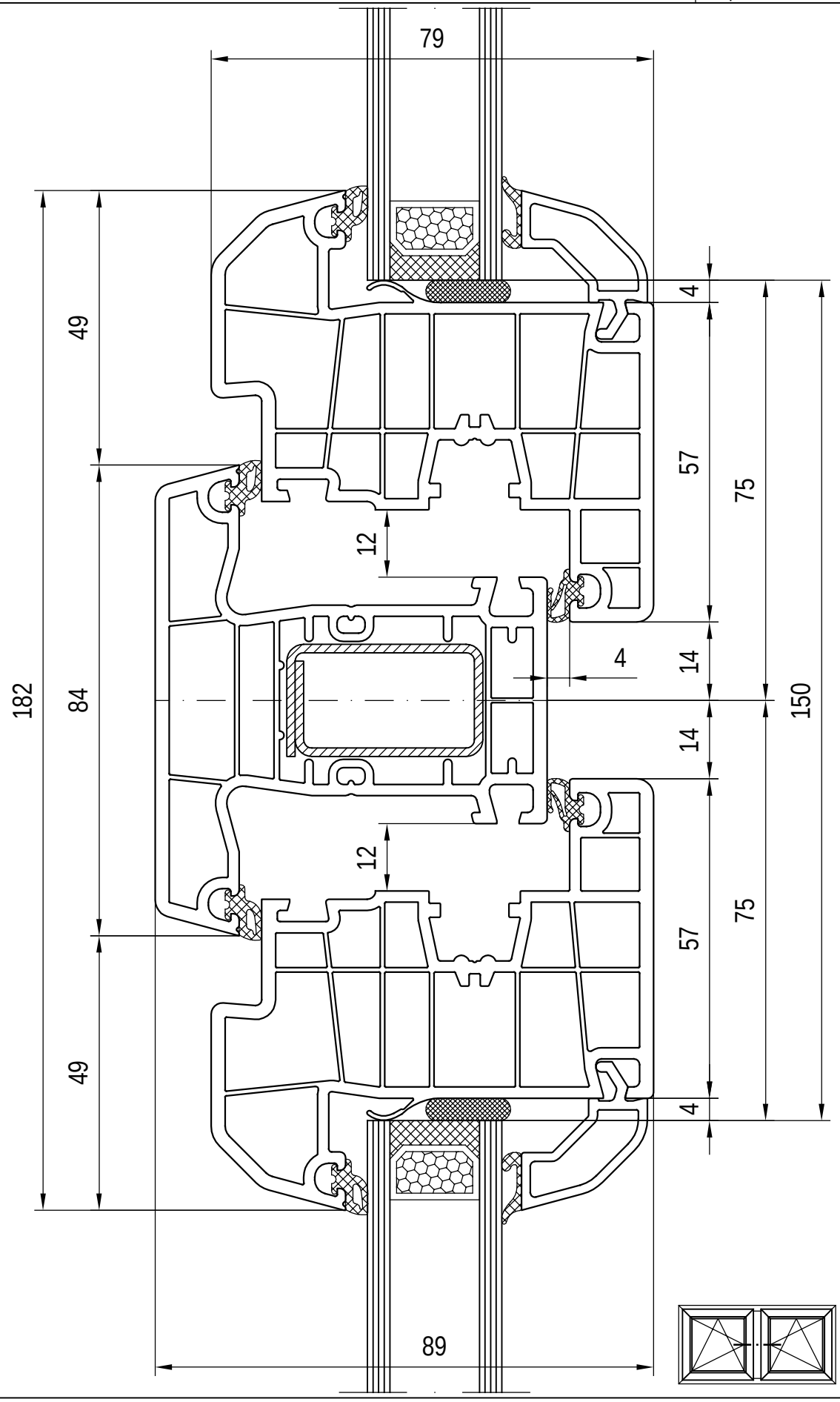
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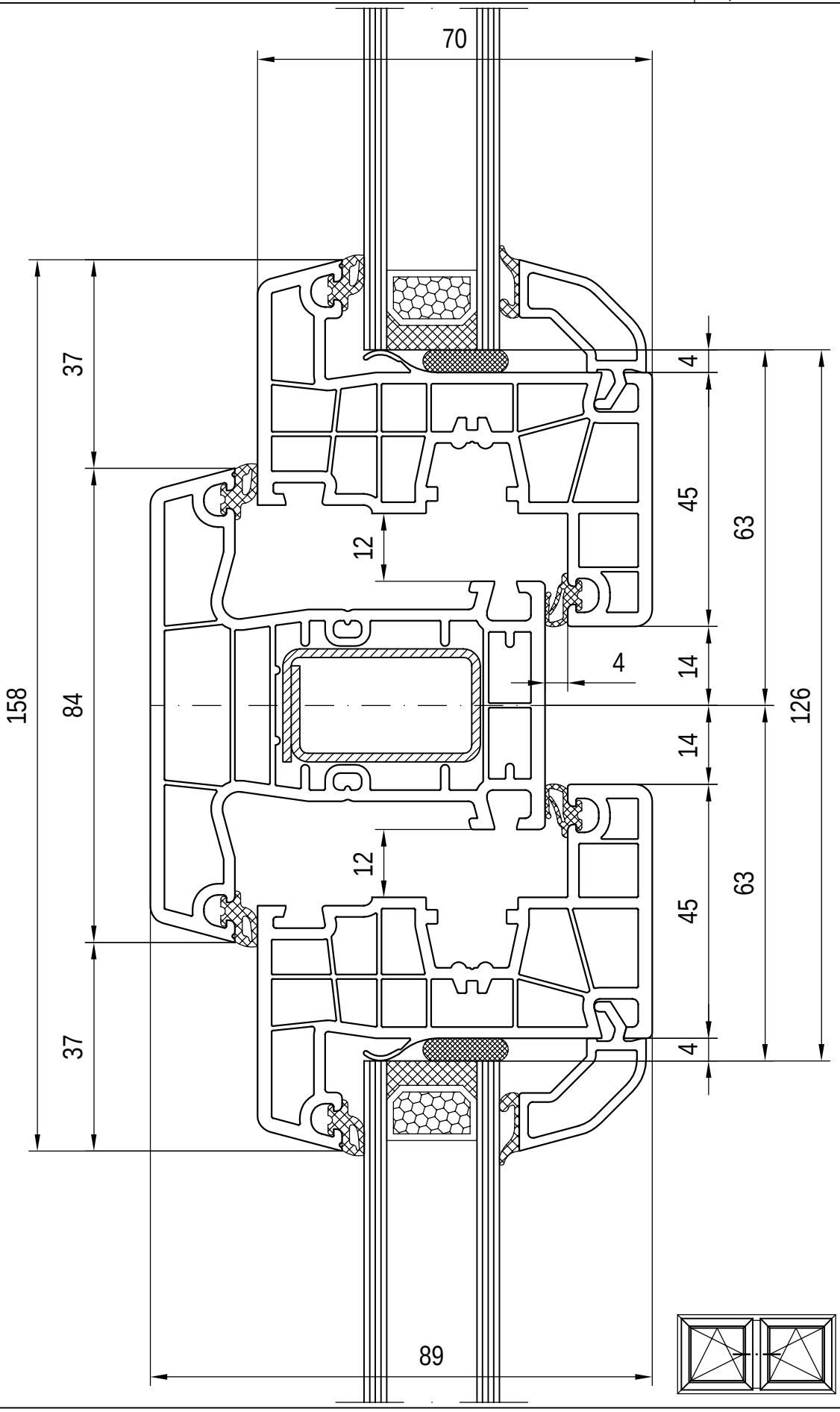

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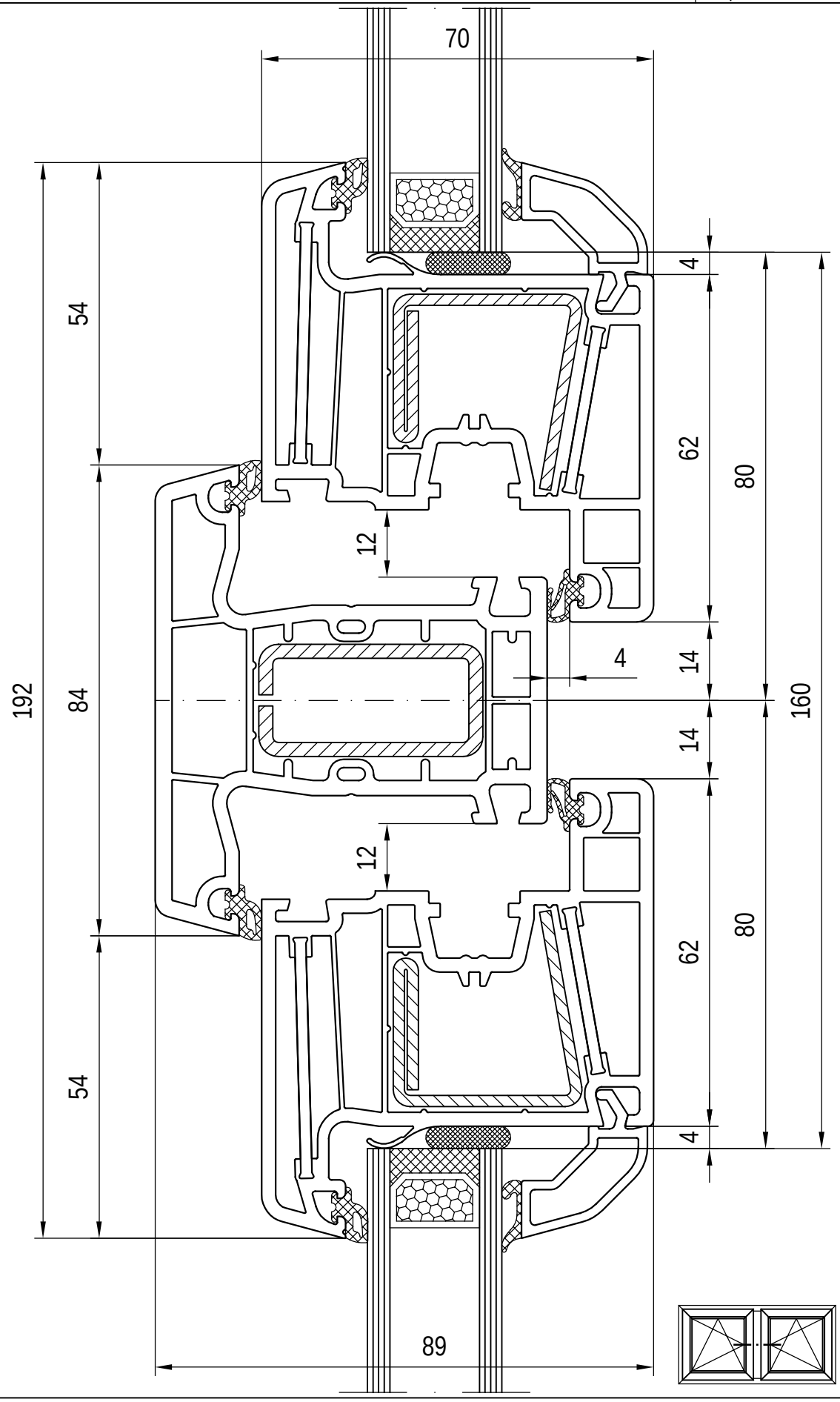


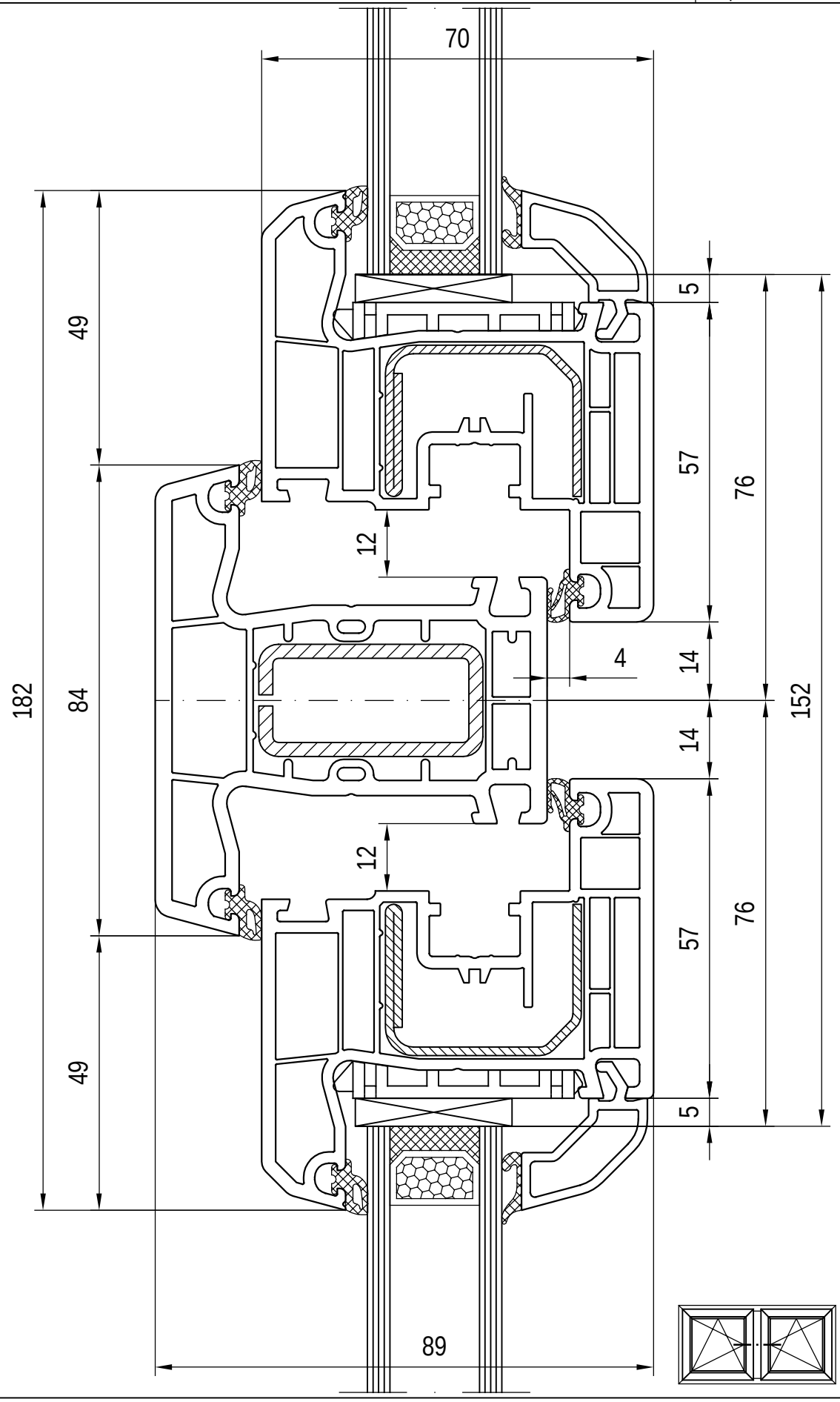


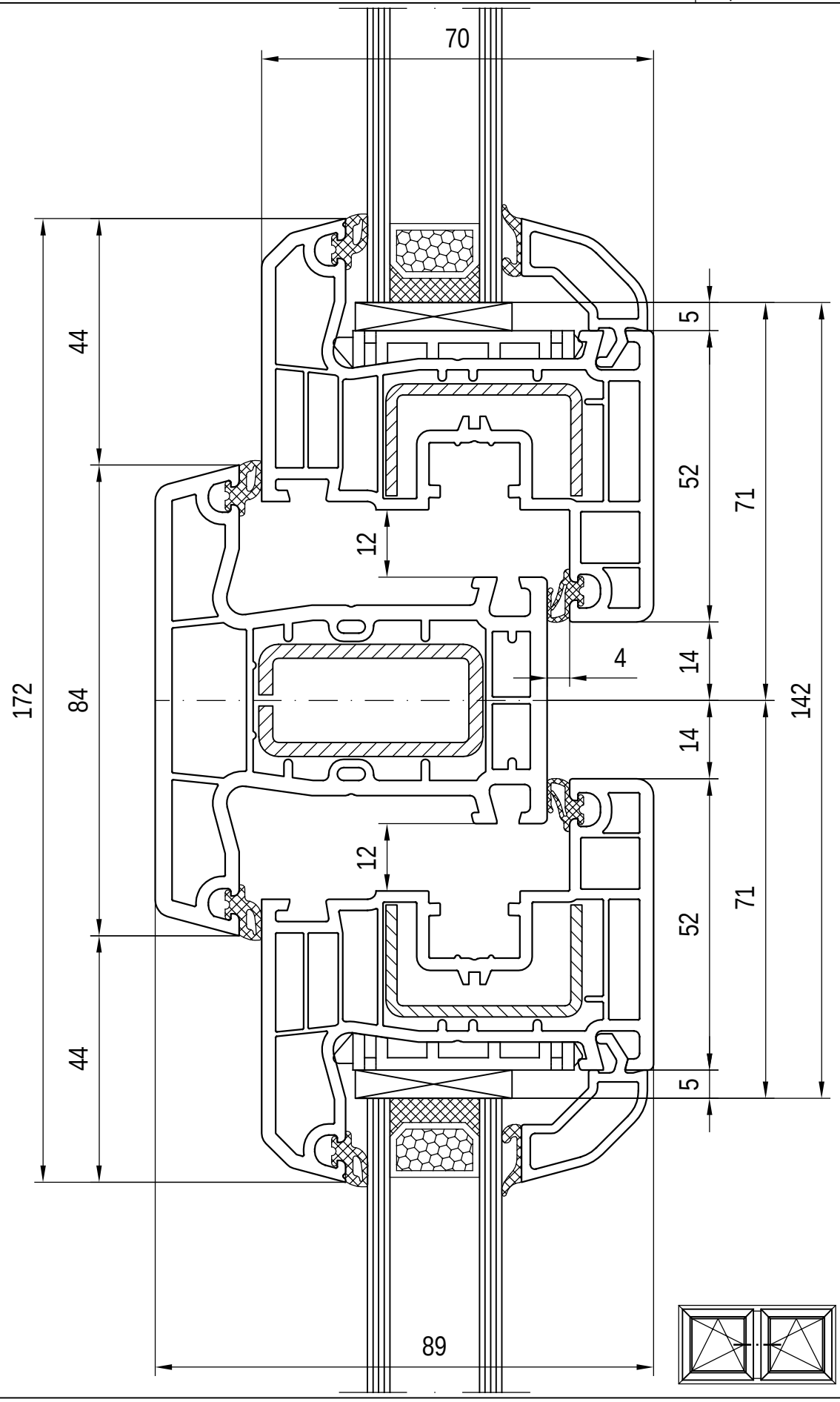
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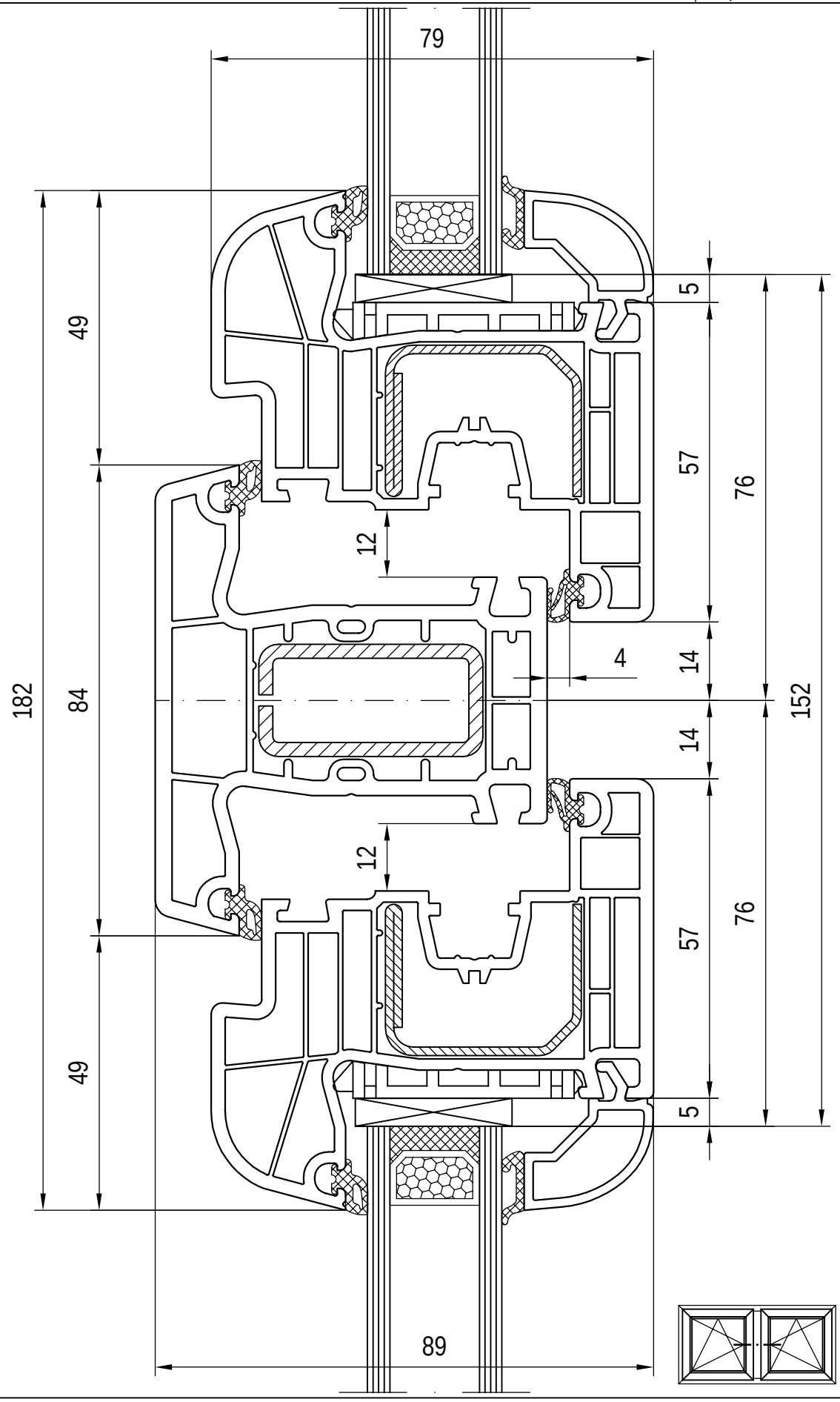

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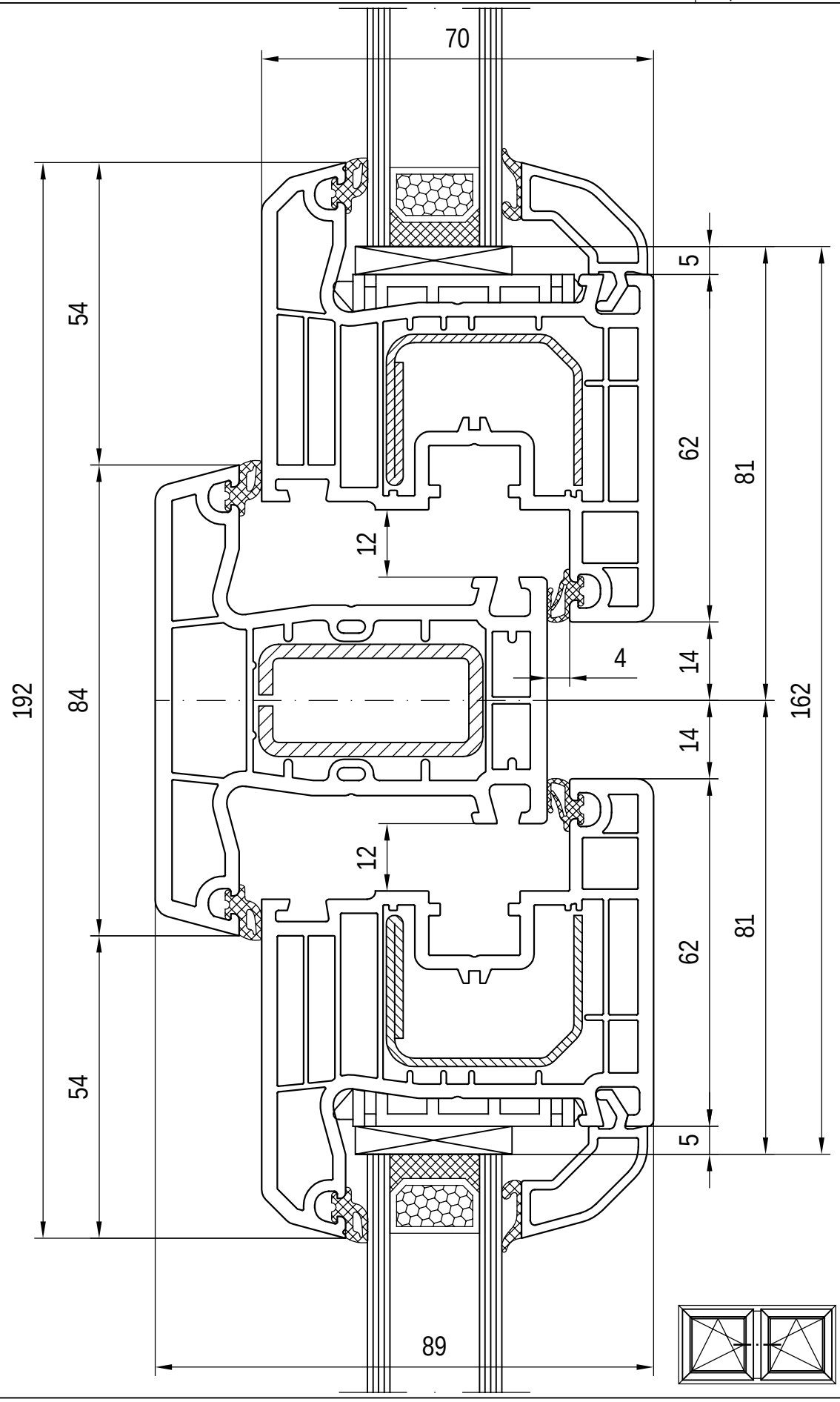

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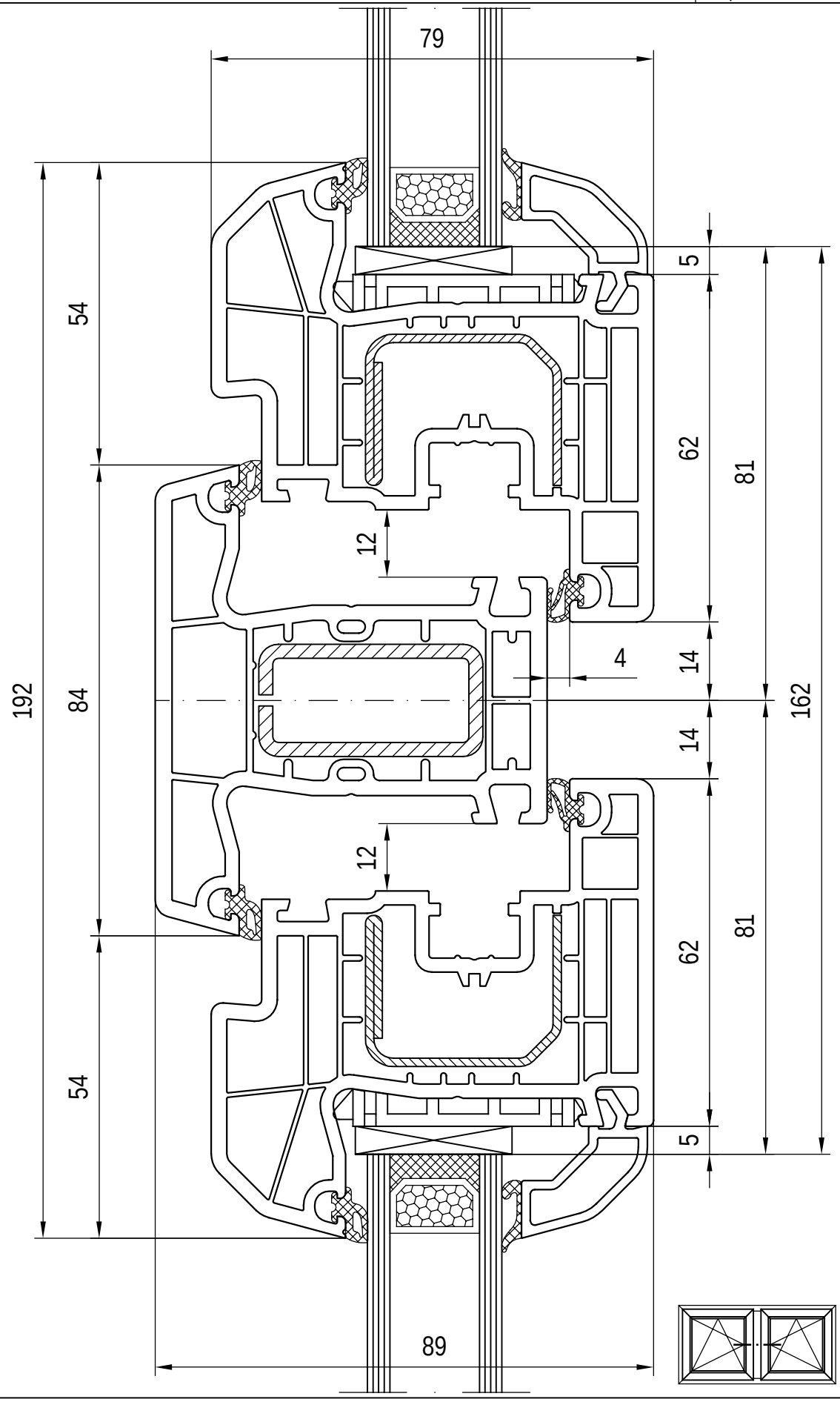

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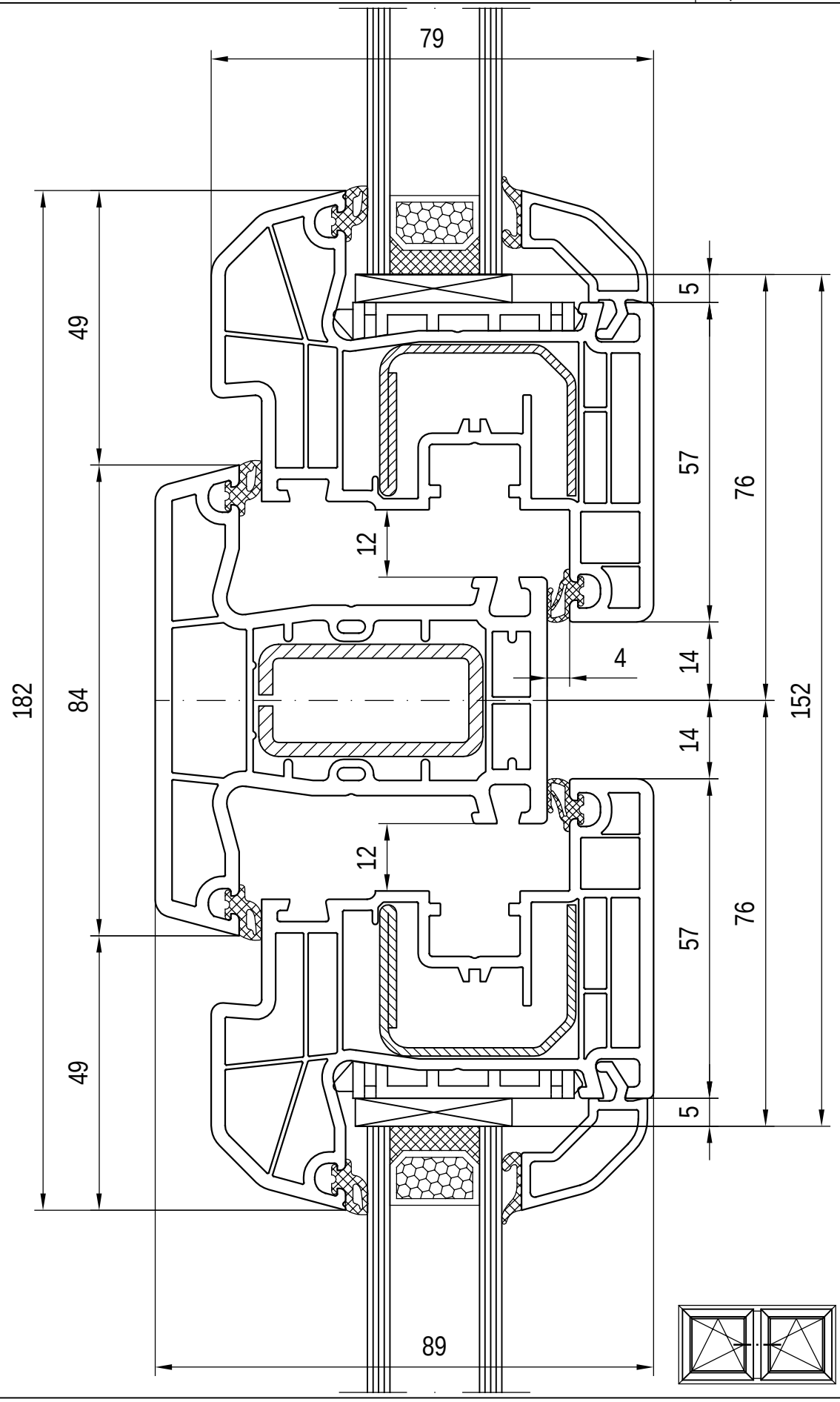

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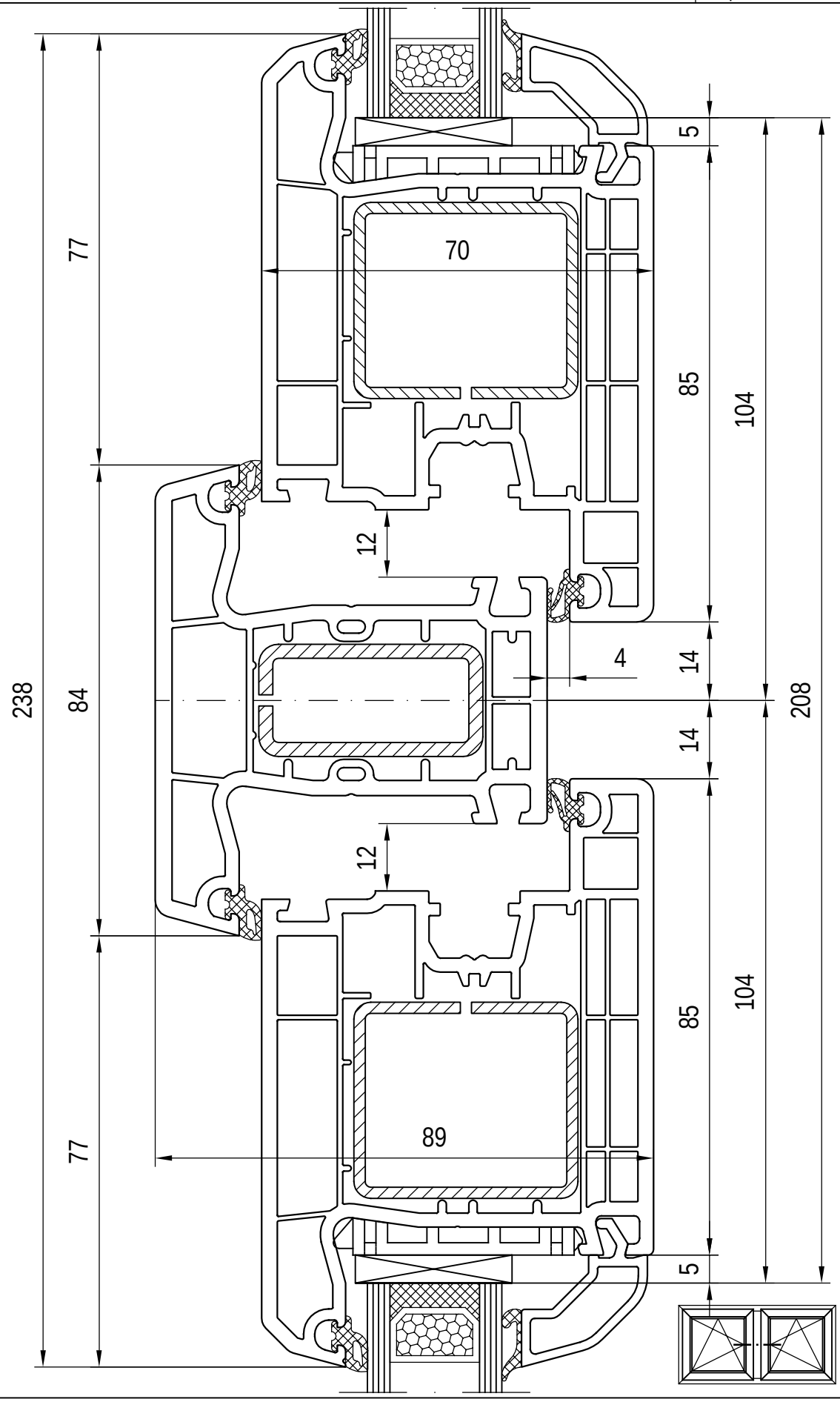

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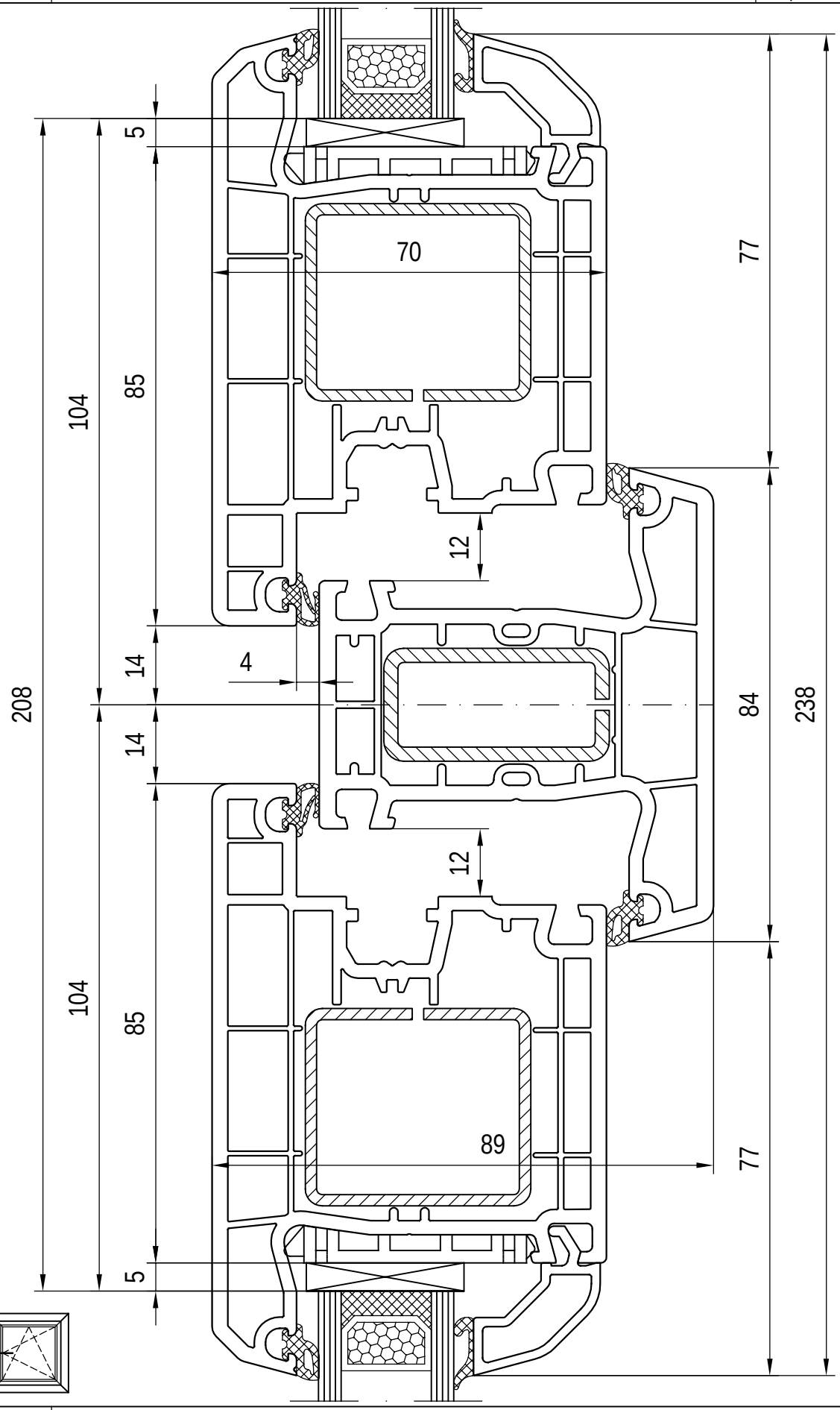

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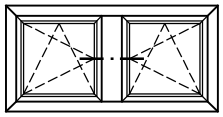

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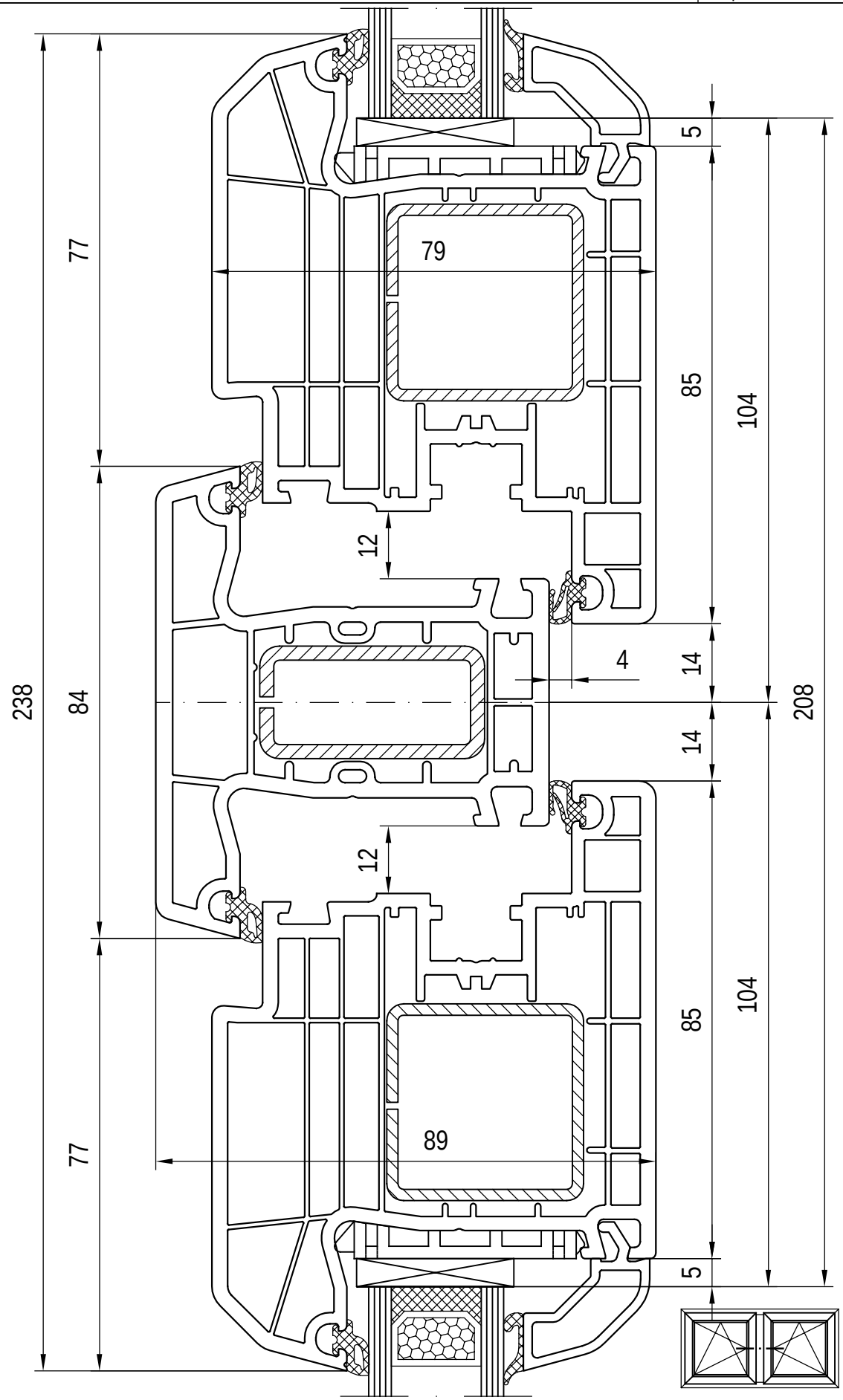
Technische Änderungen und Irrtümer vorbehalten!

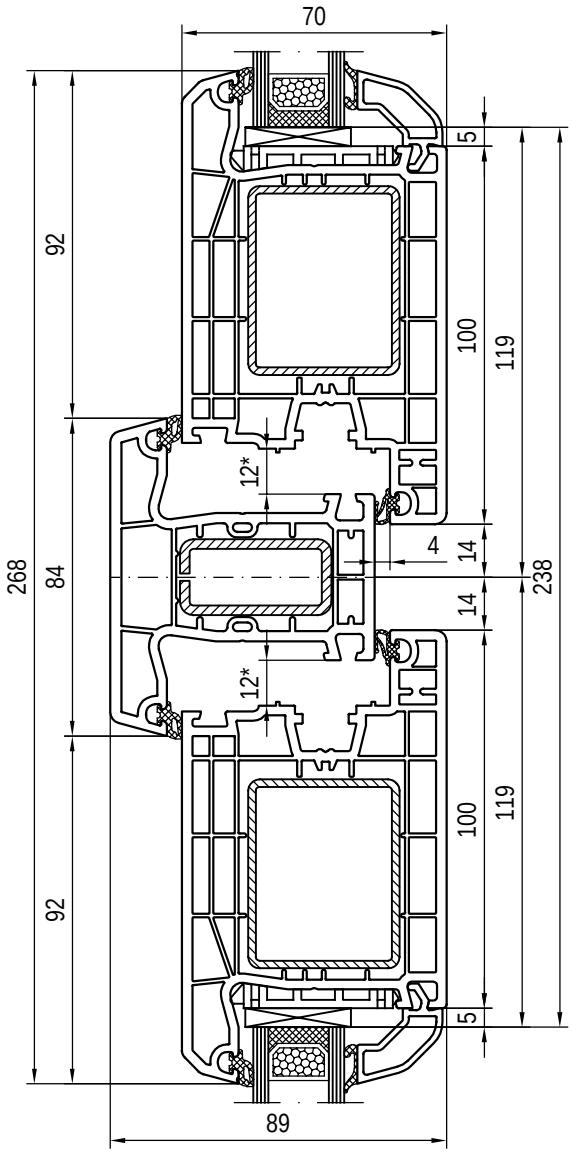
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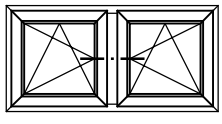
Kombinationen: Flügel - Pfosten - Flügel

Glasleiste 120846/120876

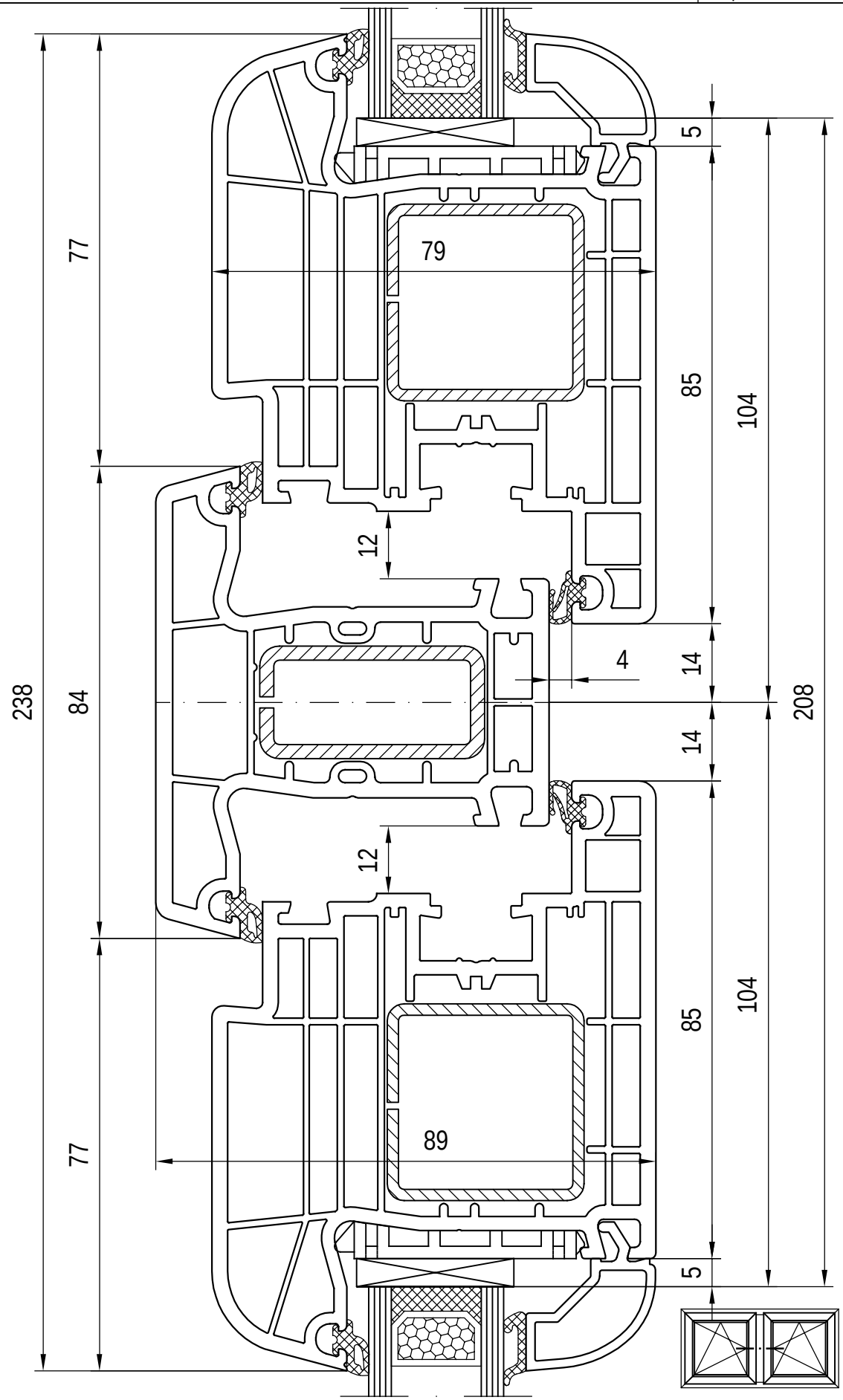
Statik-Pfosten 140x44
Flügel 140x31

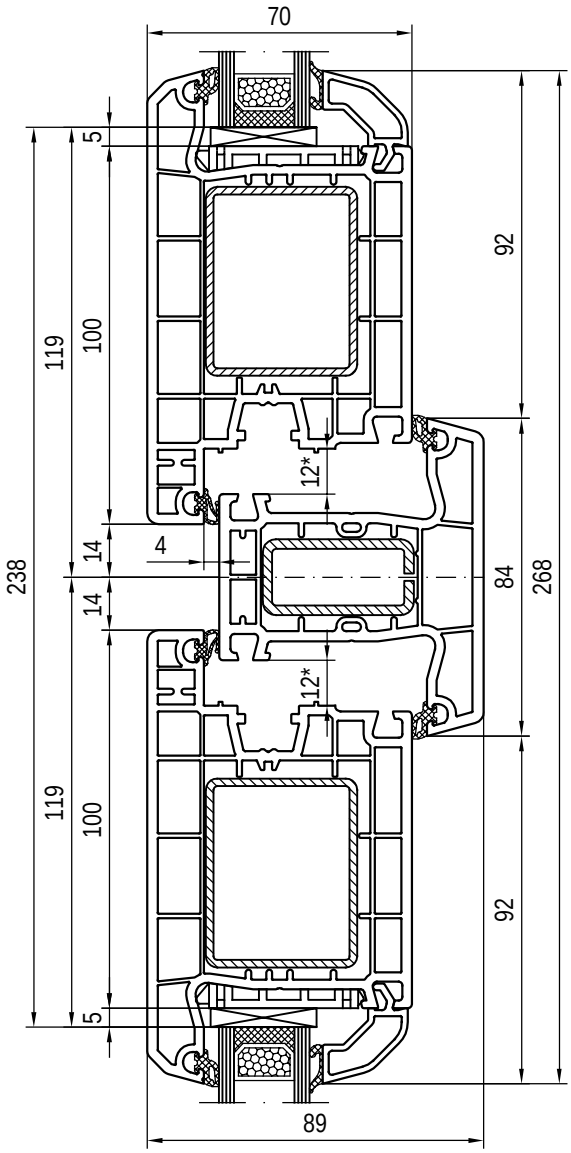

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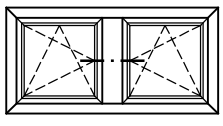




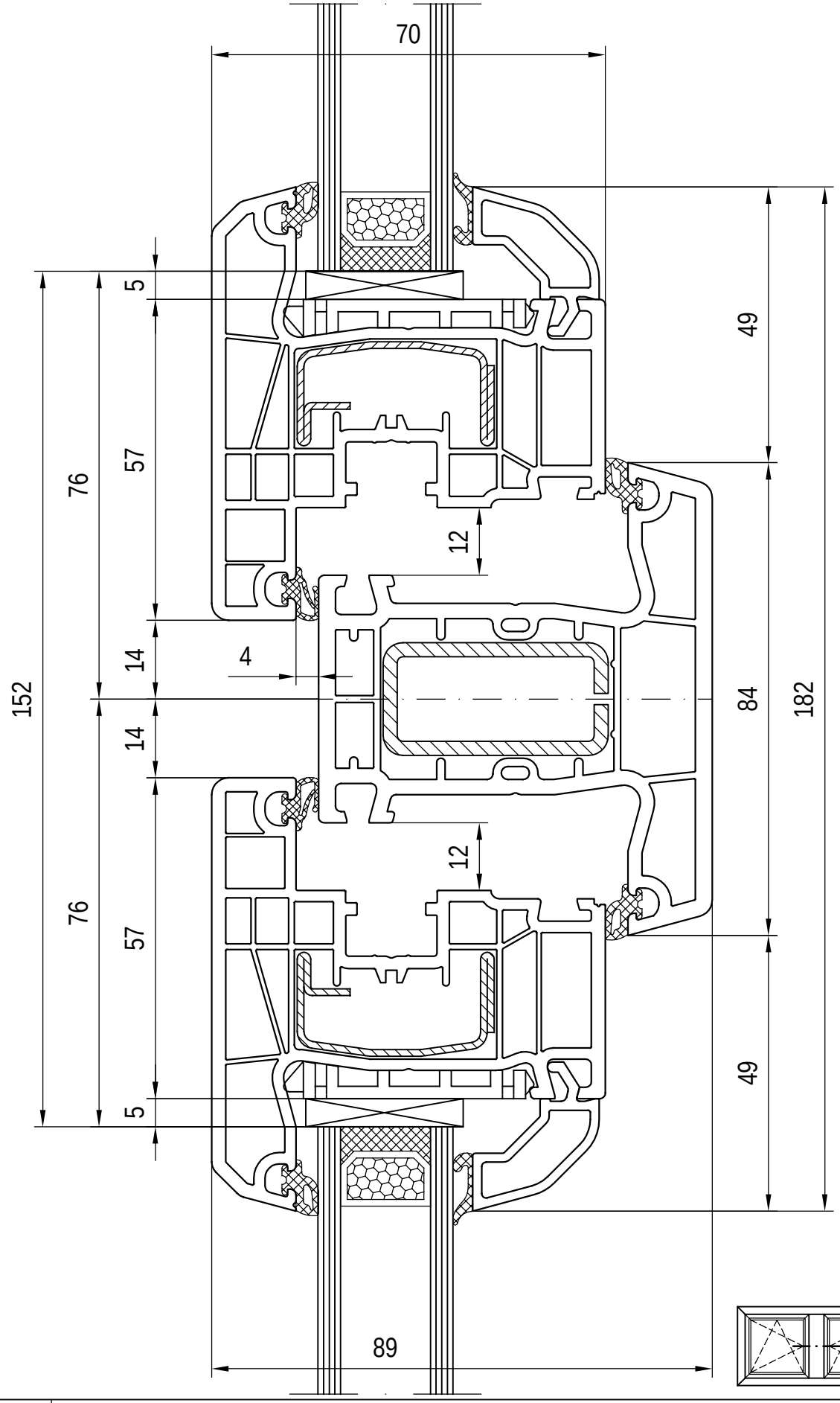
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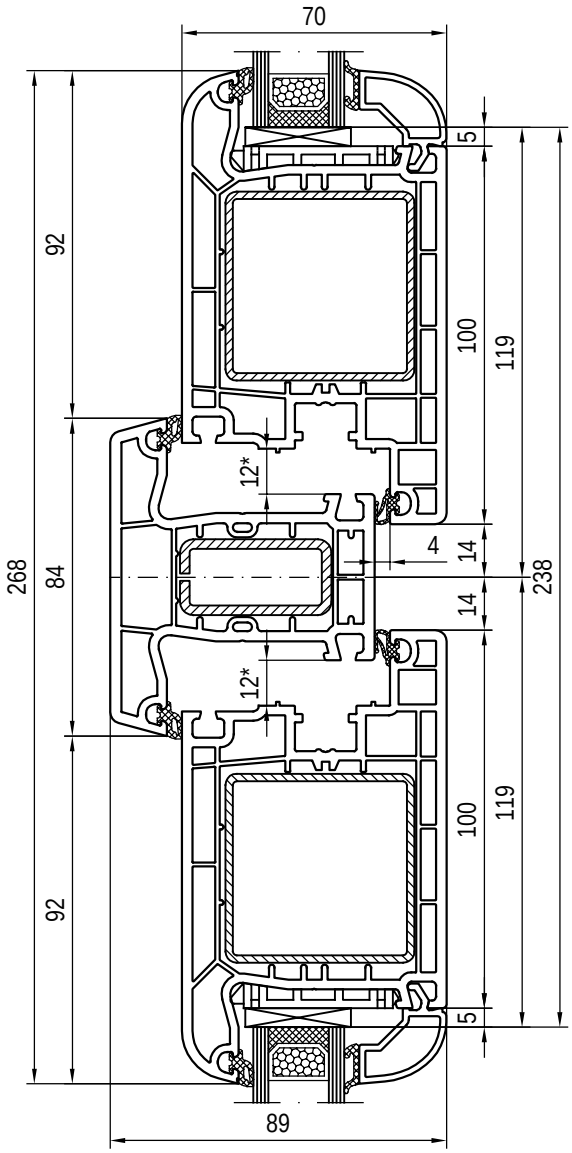

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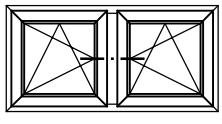




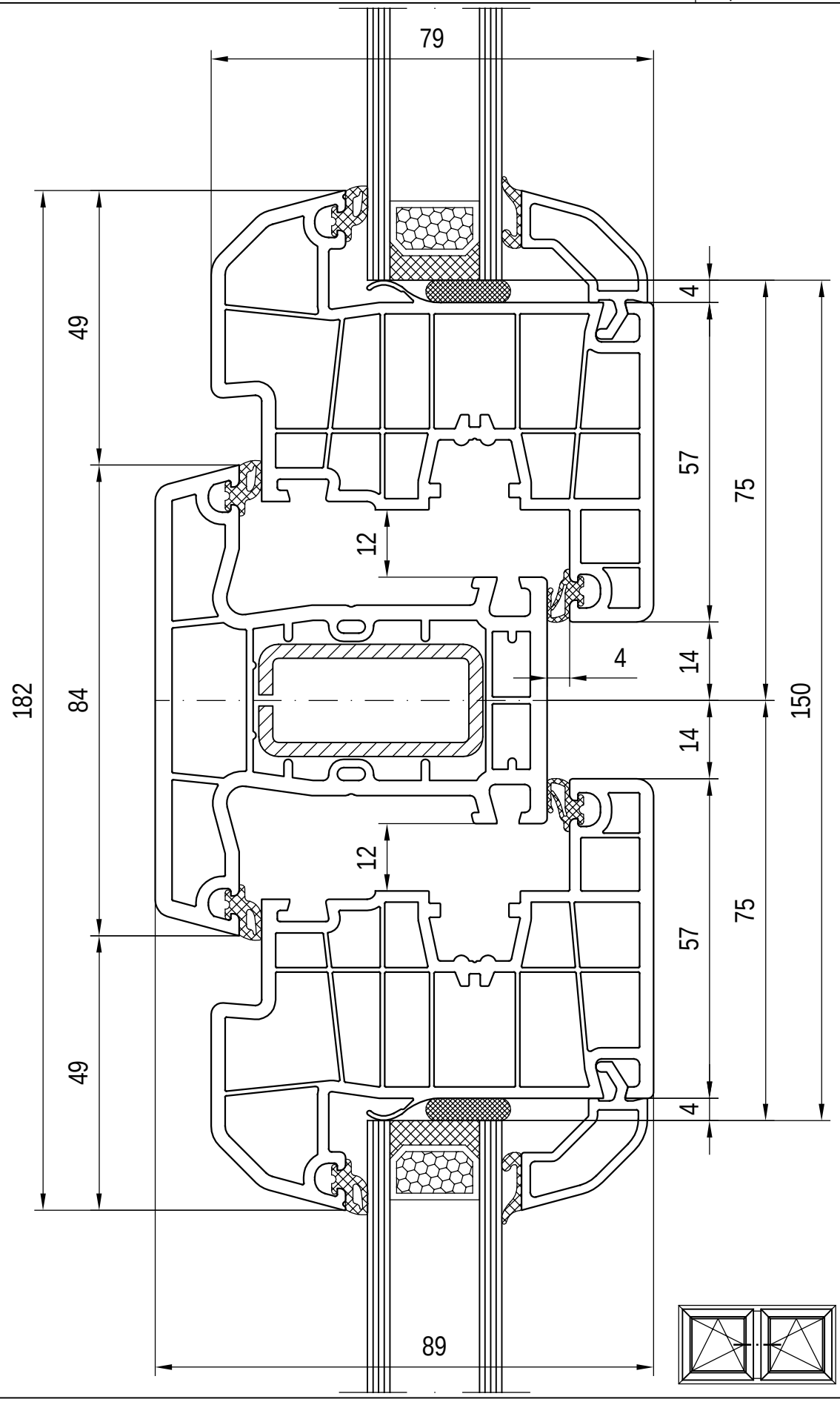
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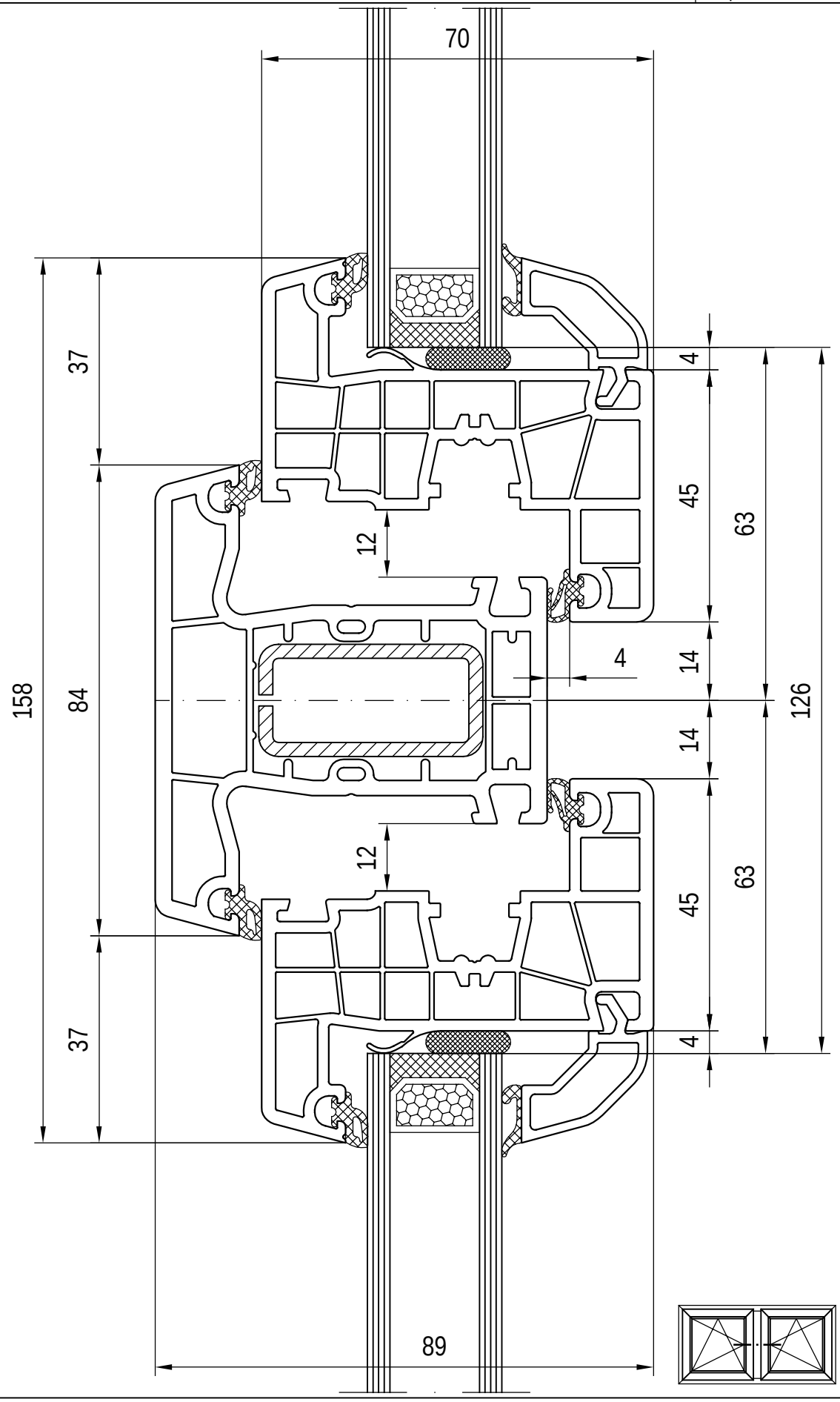

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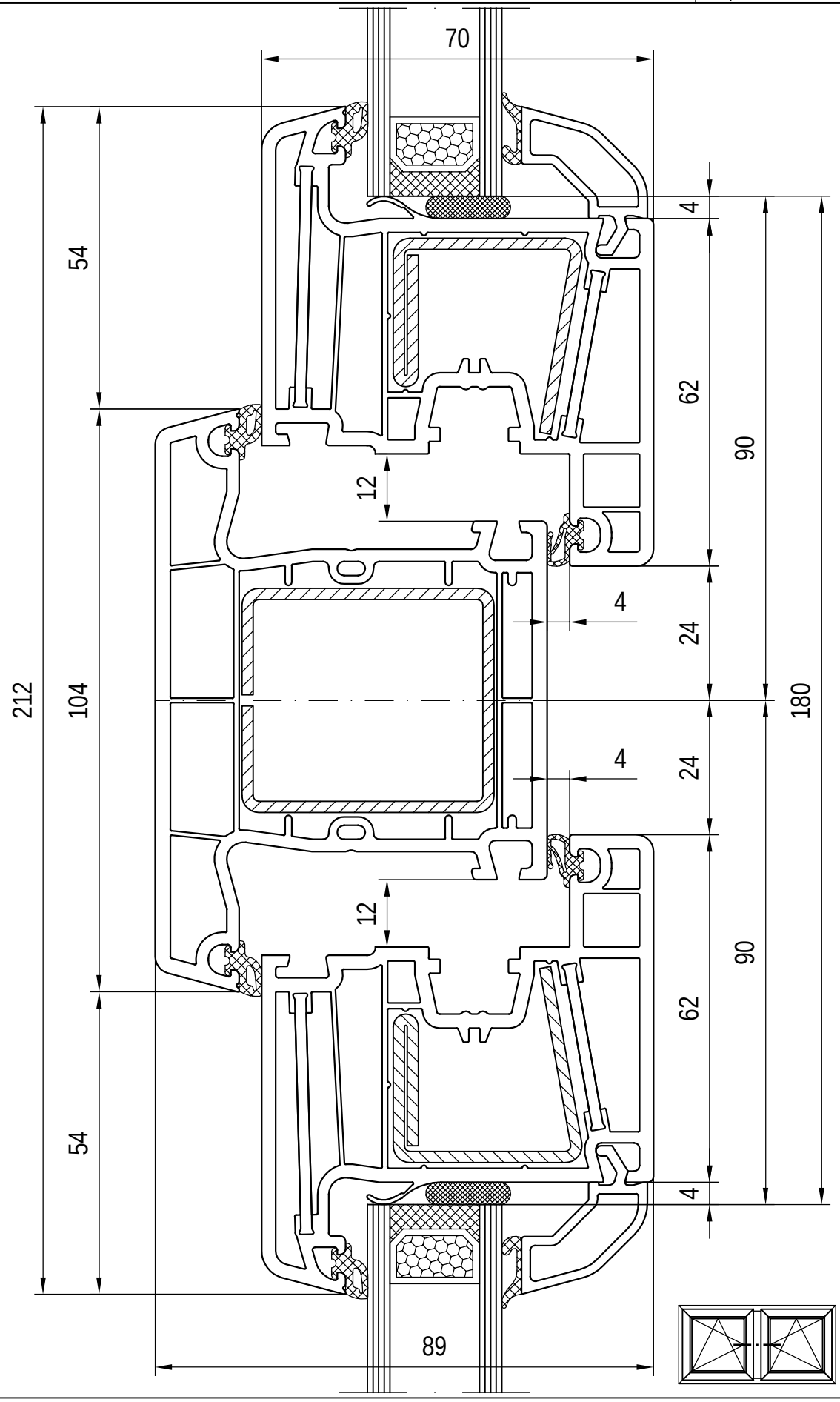


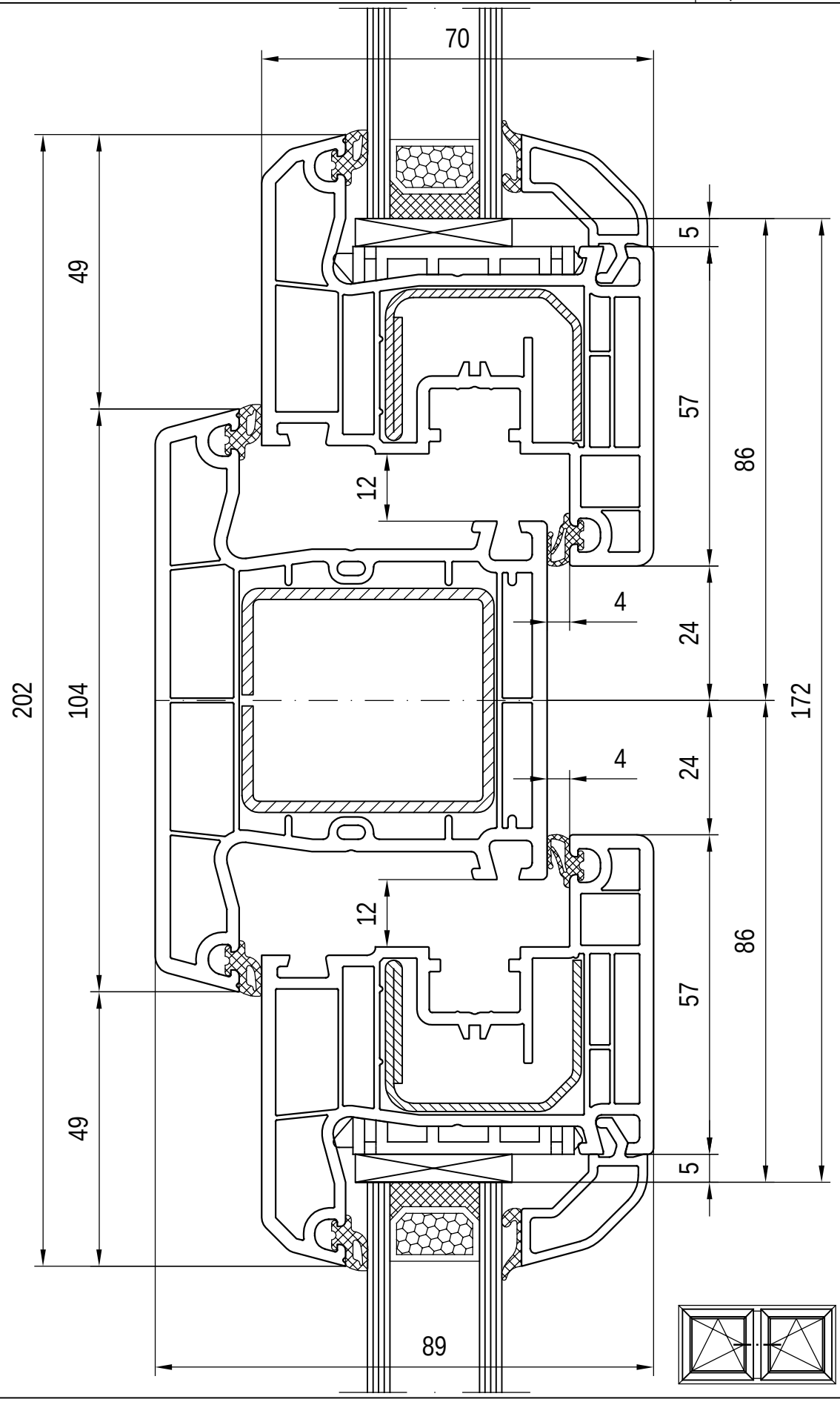


* Falzluft bei Haustüren links und rechts = 13mm


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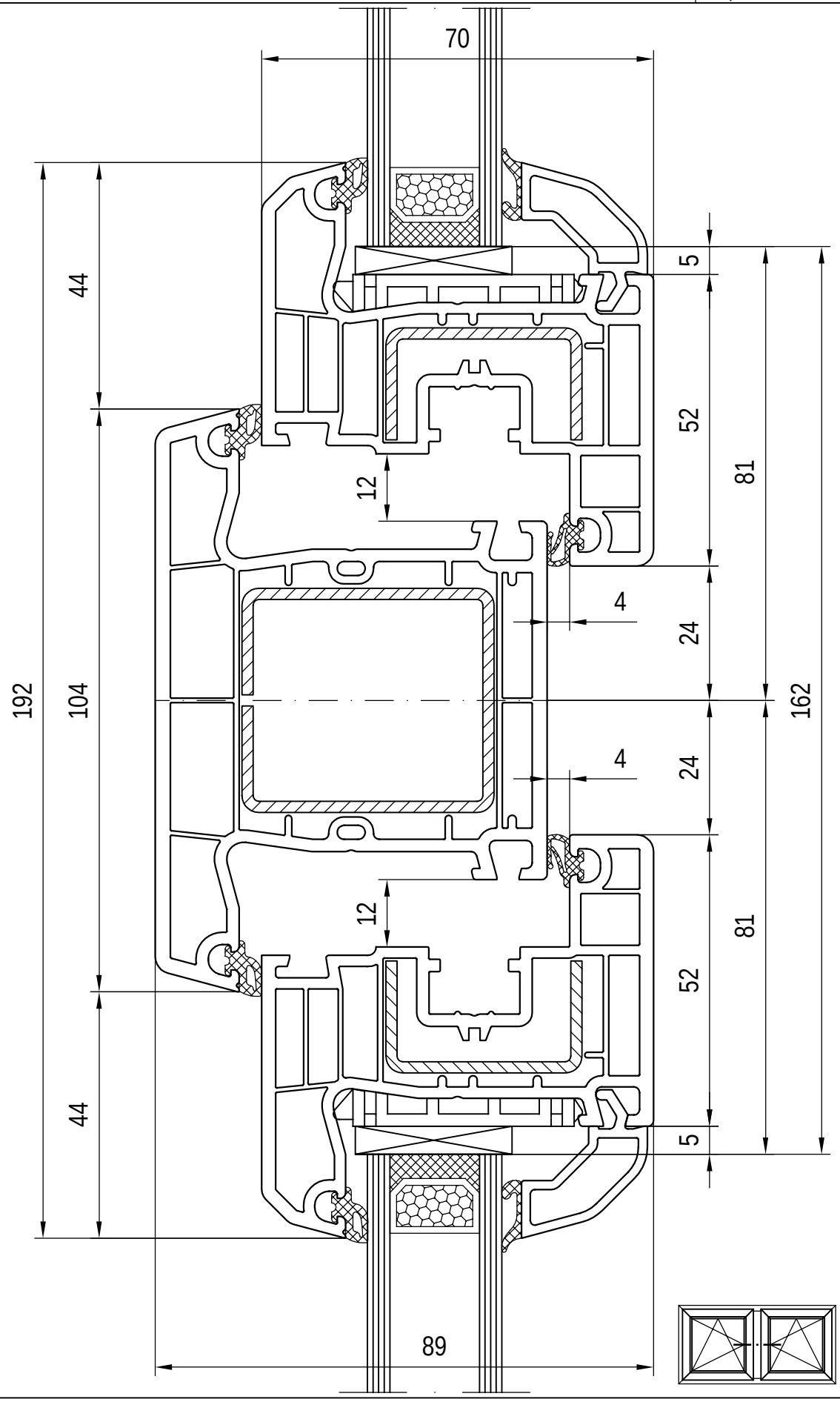

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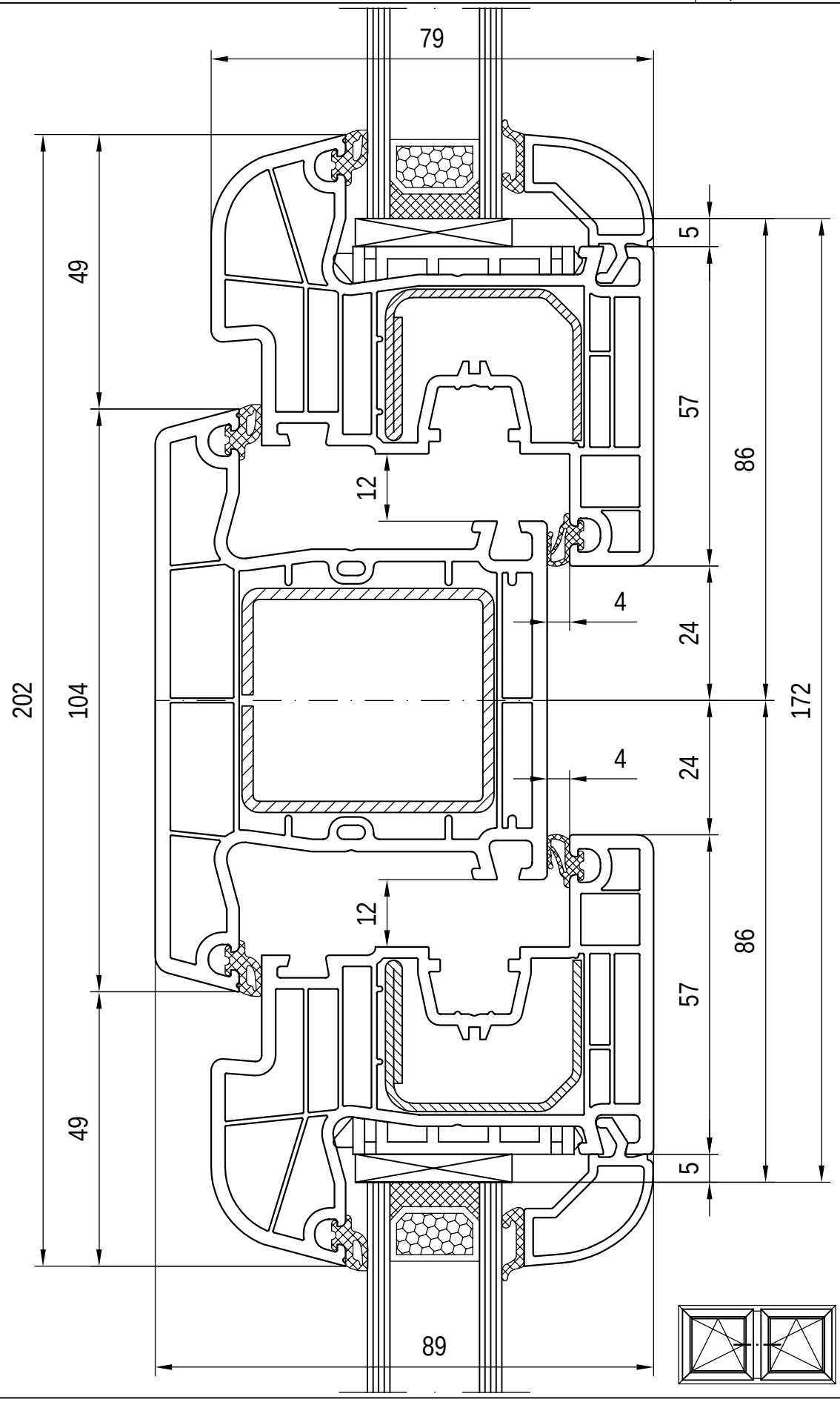


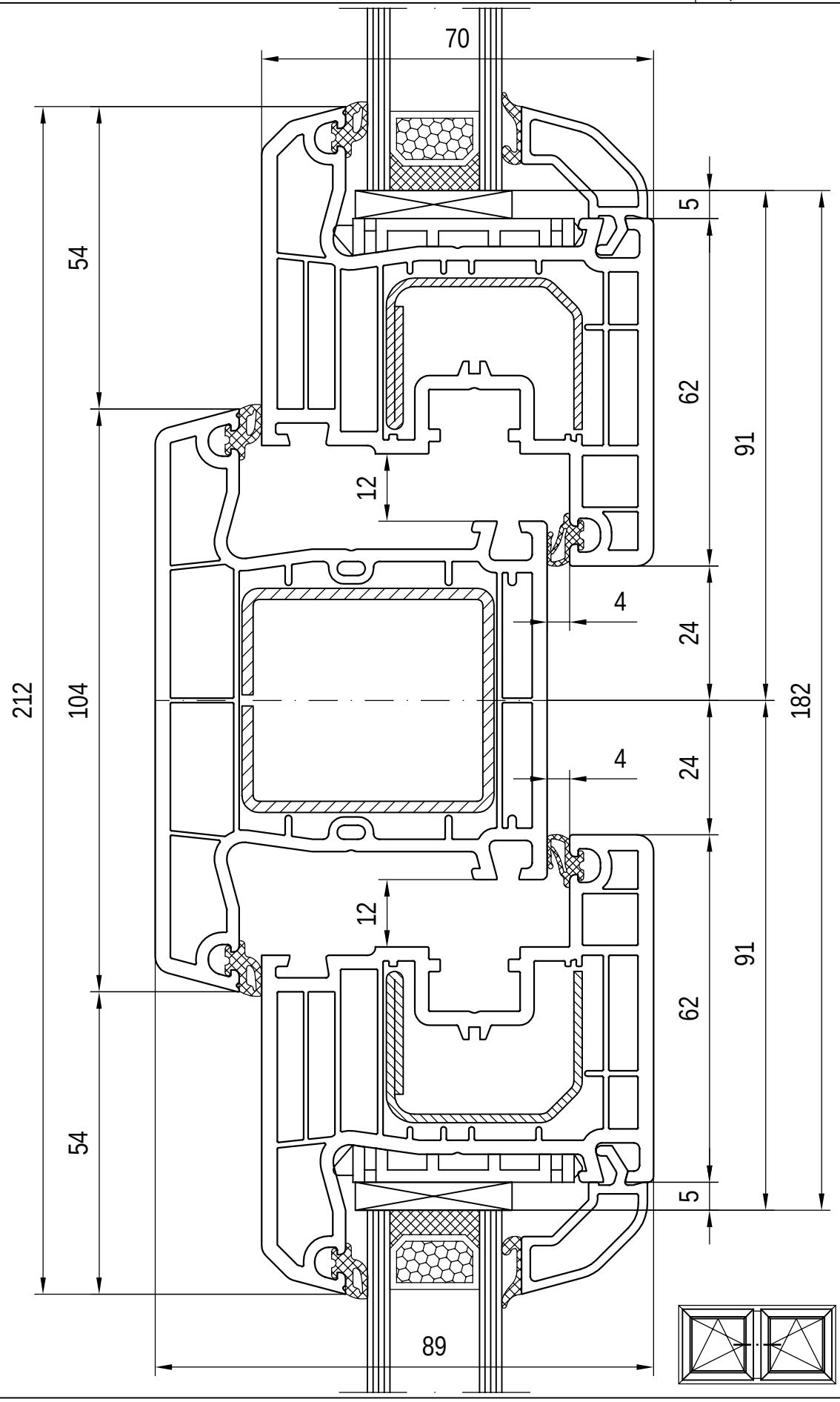
Kombinationen: Flügel - Pfosten - Flügel

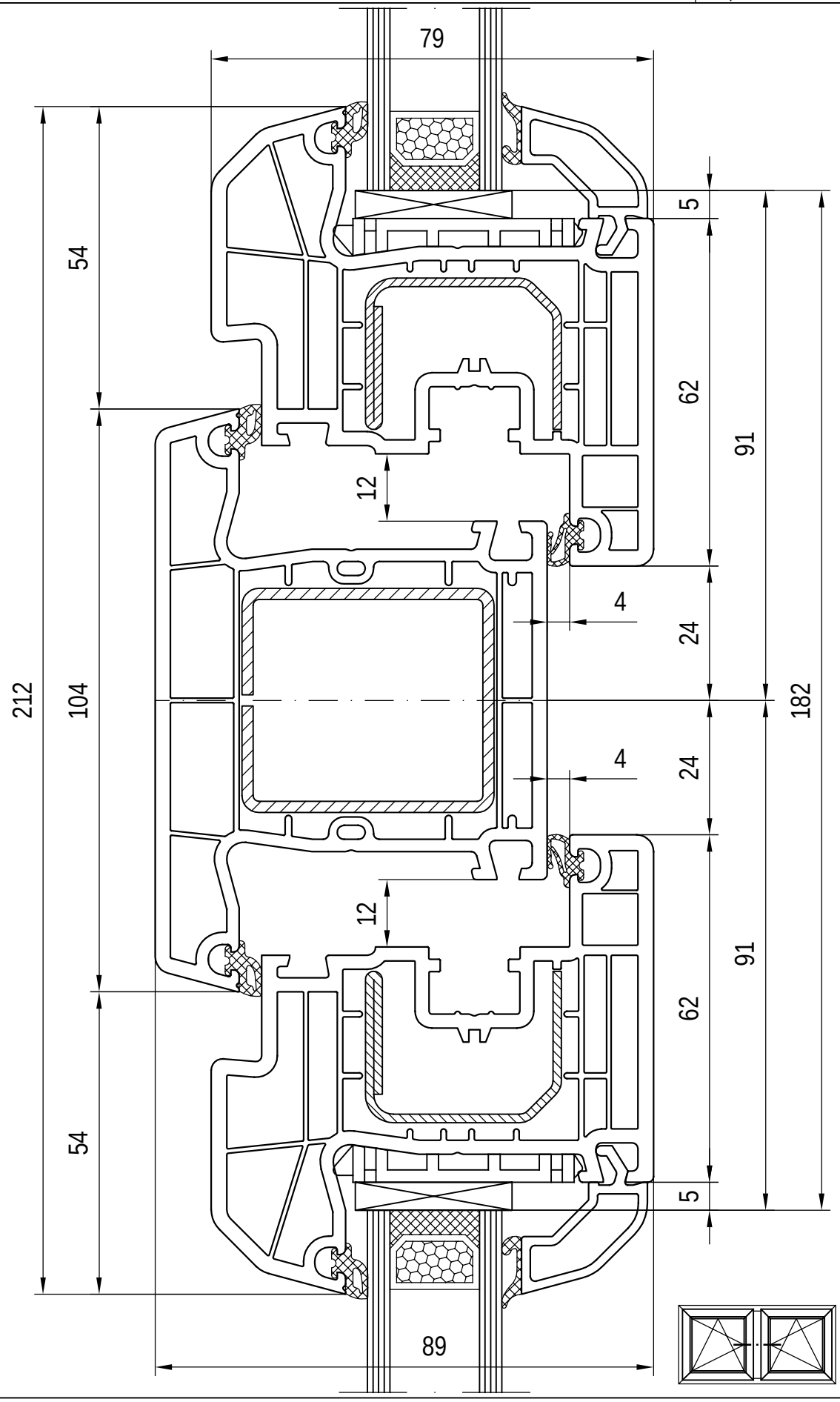
Glasleiste 120846/120876

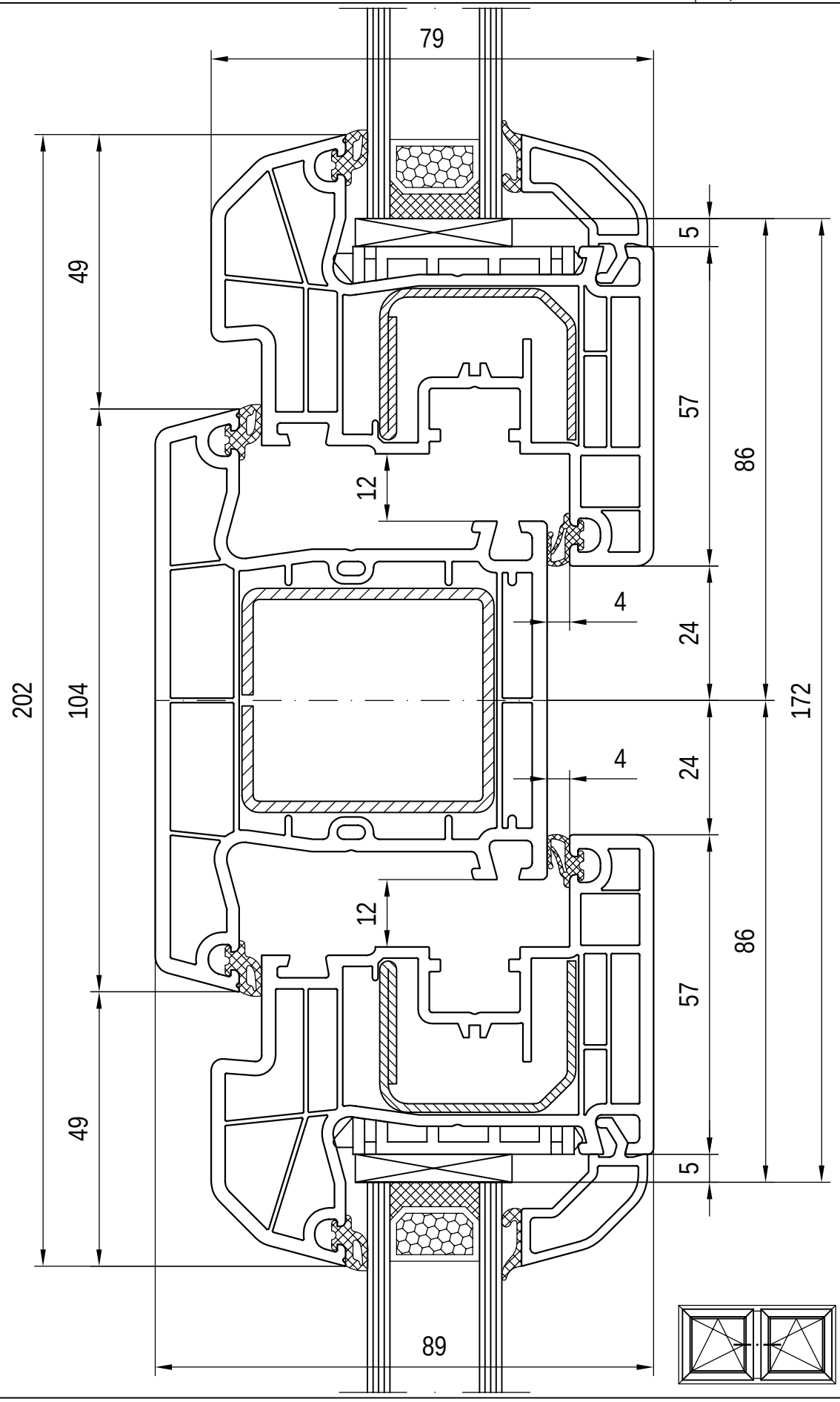
Pfosten 140x45
Flügel 140x20

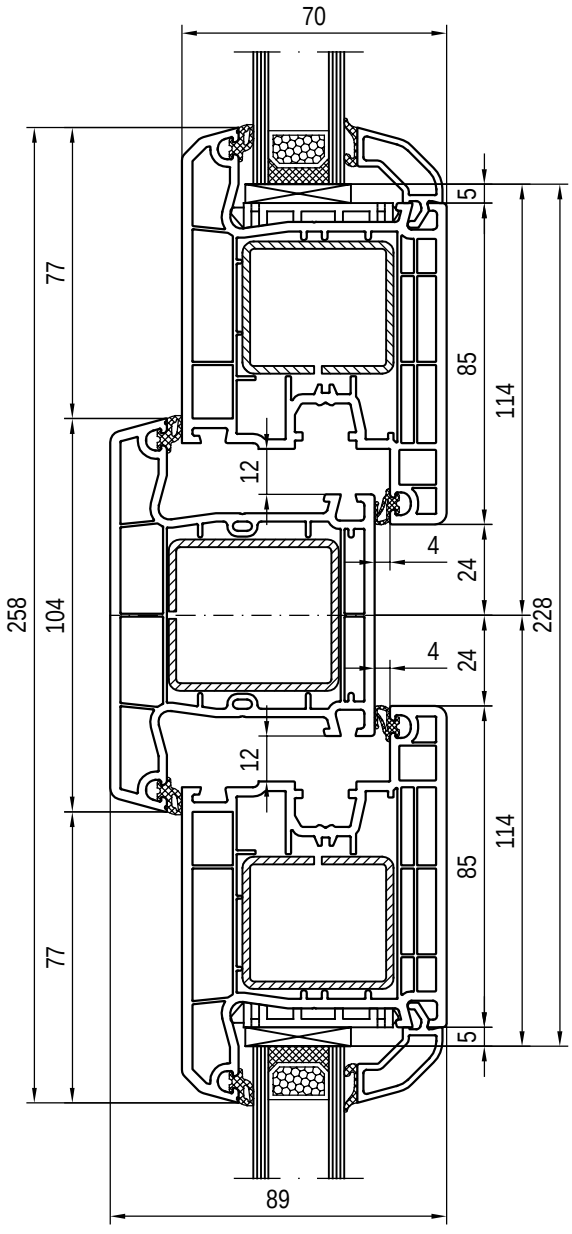

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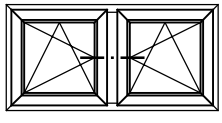

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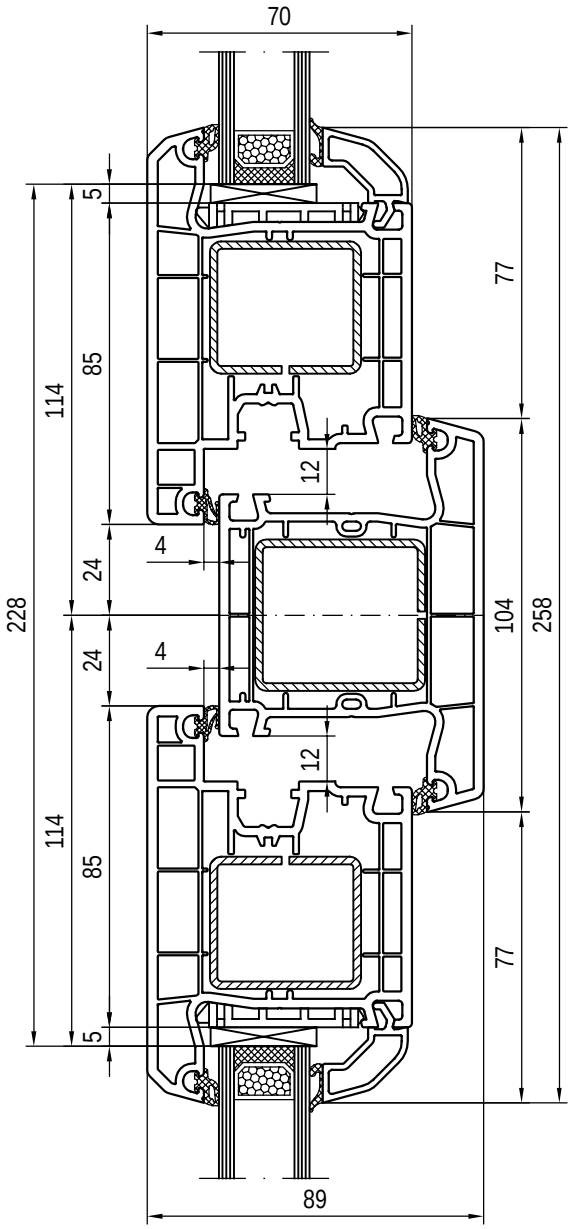


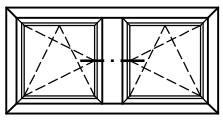


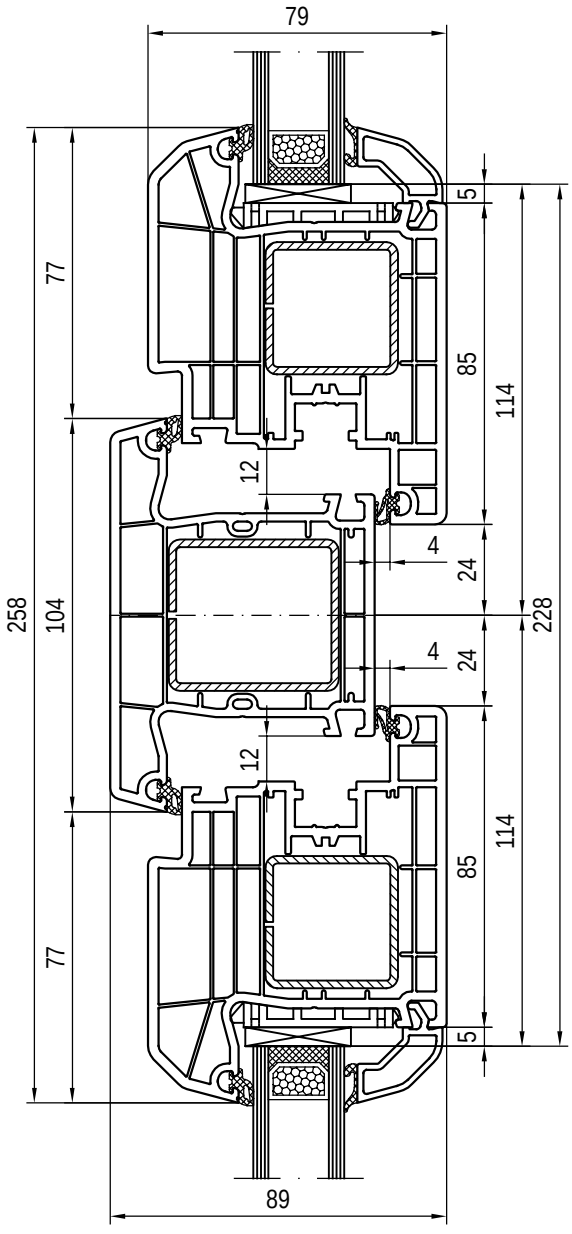
Kombinationen: Flügel - Pfosten - Flügel

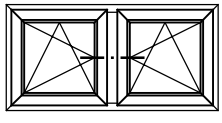
Glasleiste 120846/120876

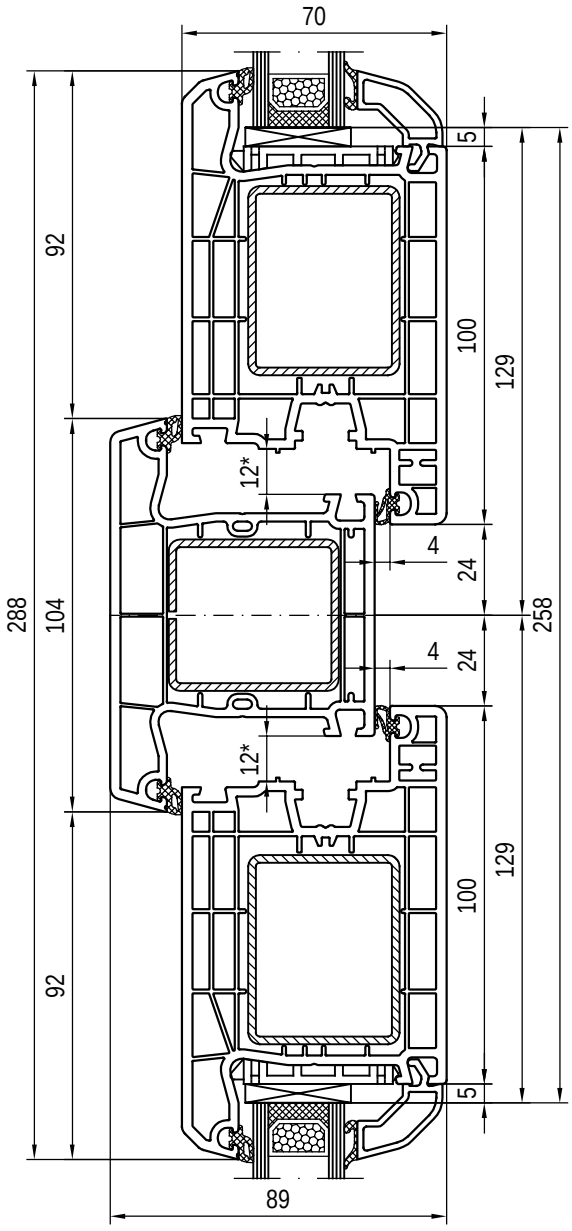
Pfosten 140x45
Flügel 140x30

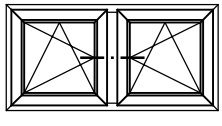

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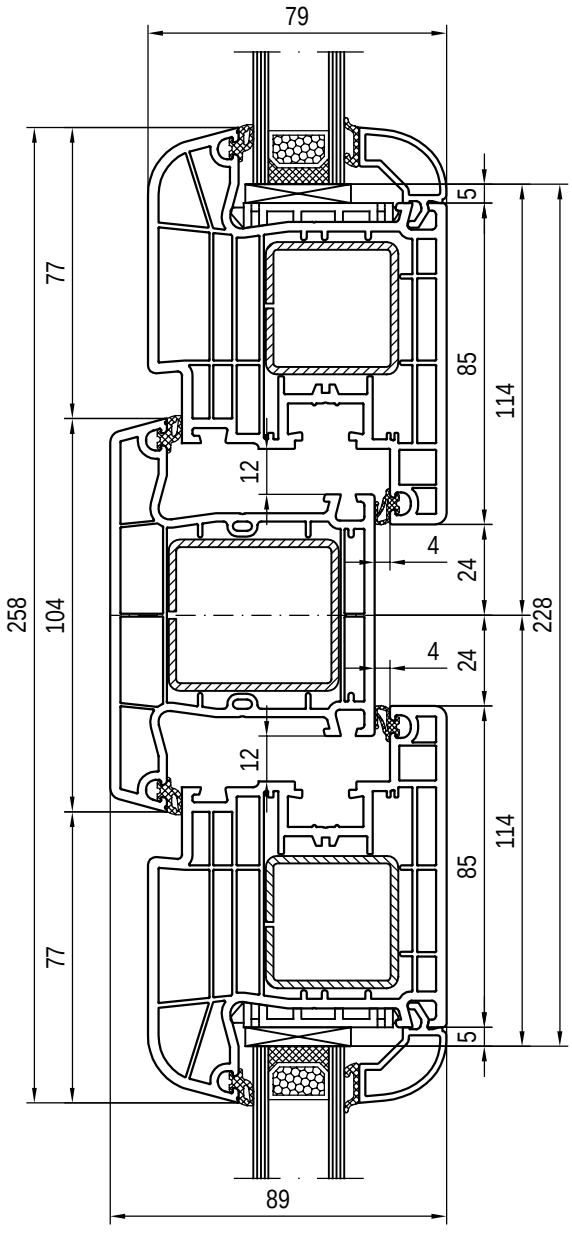

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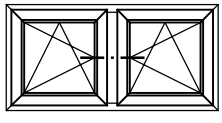


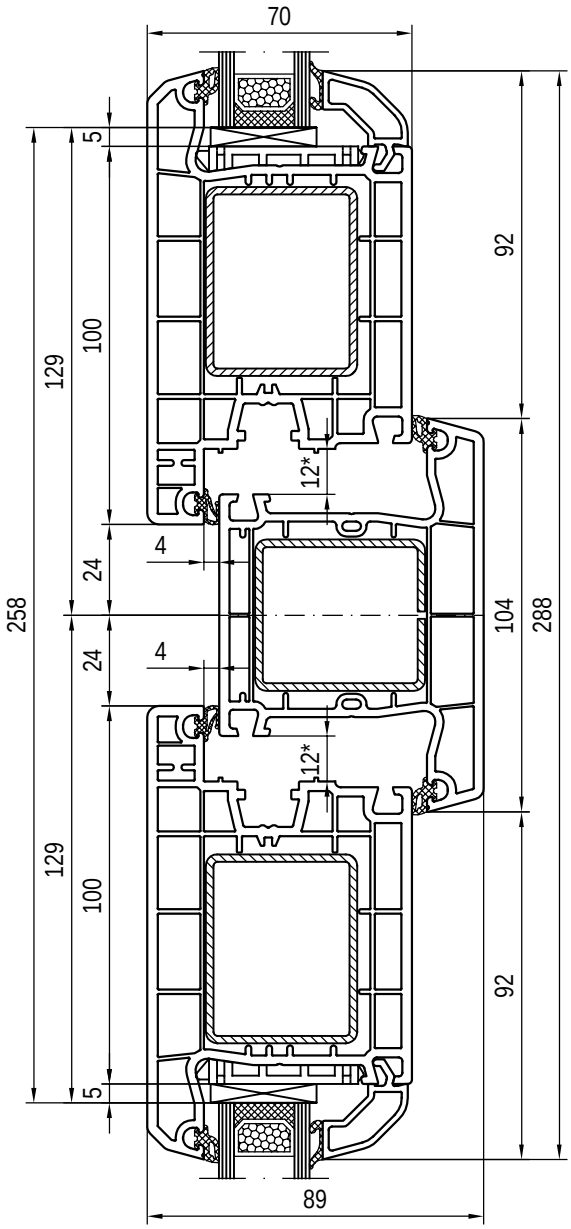


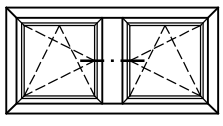


* Falzluft bei Haustüren links und rechts = 13mm

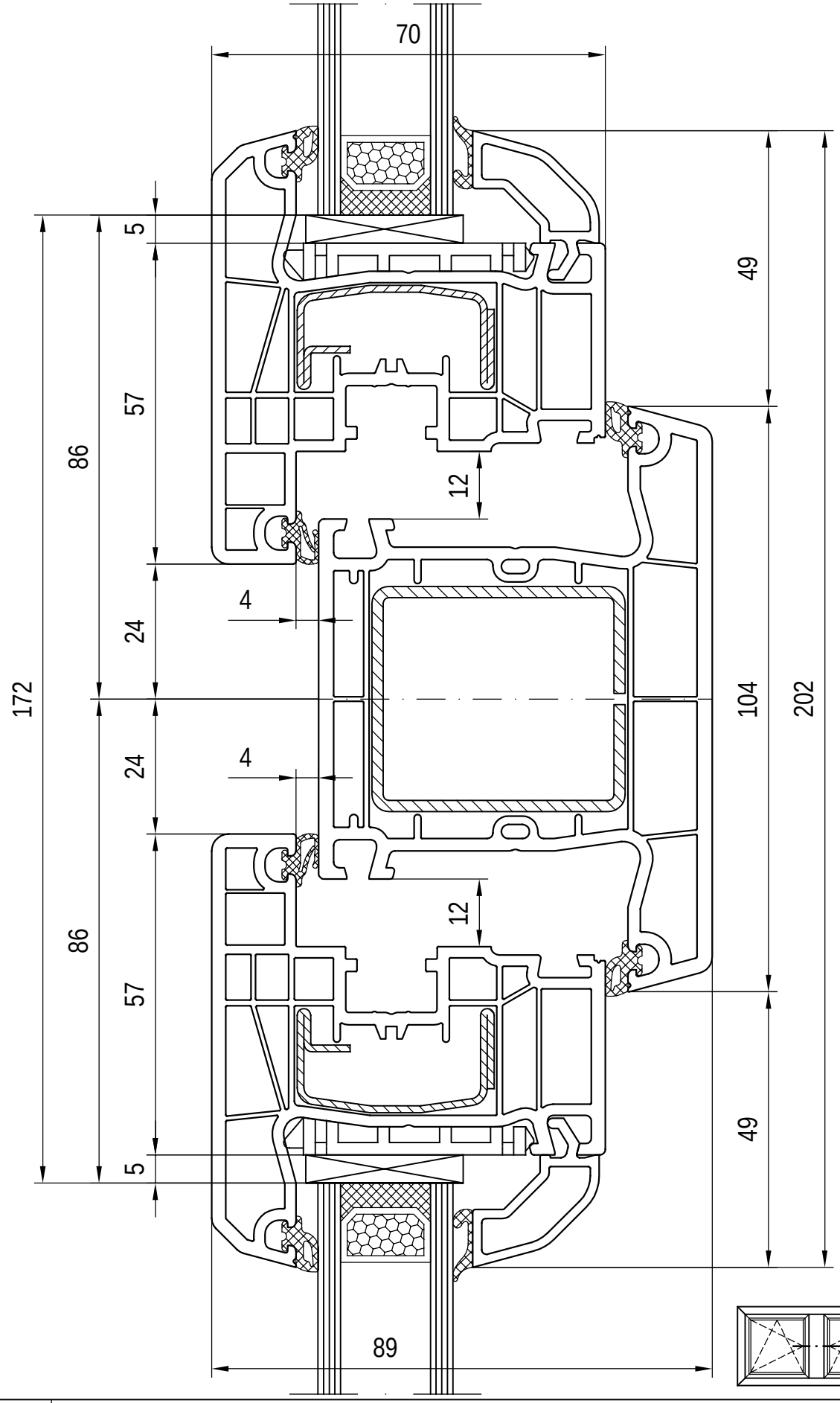

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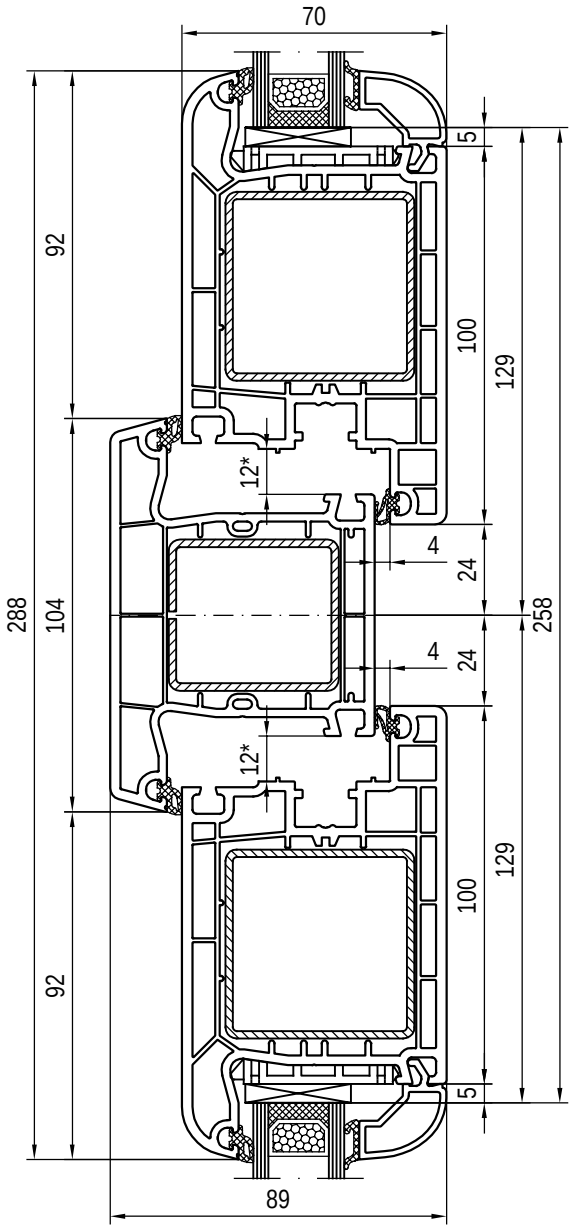


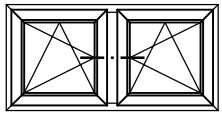




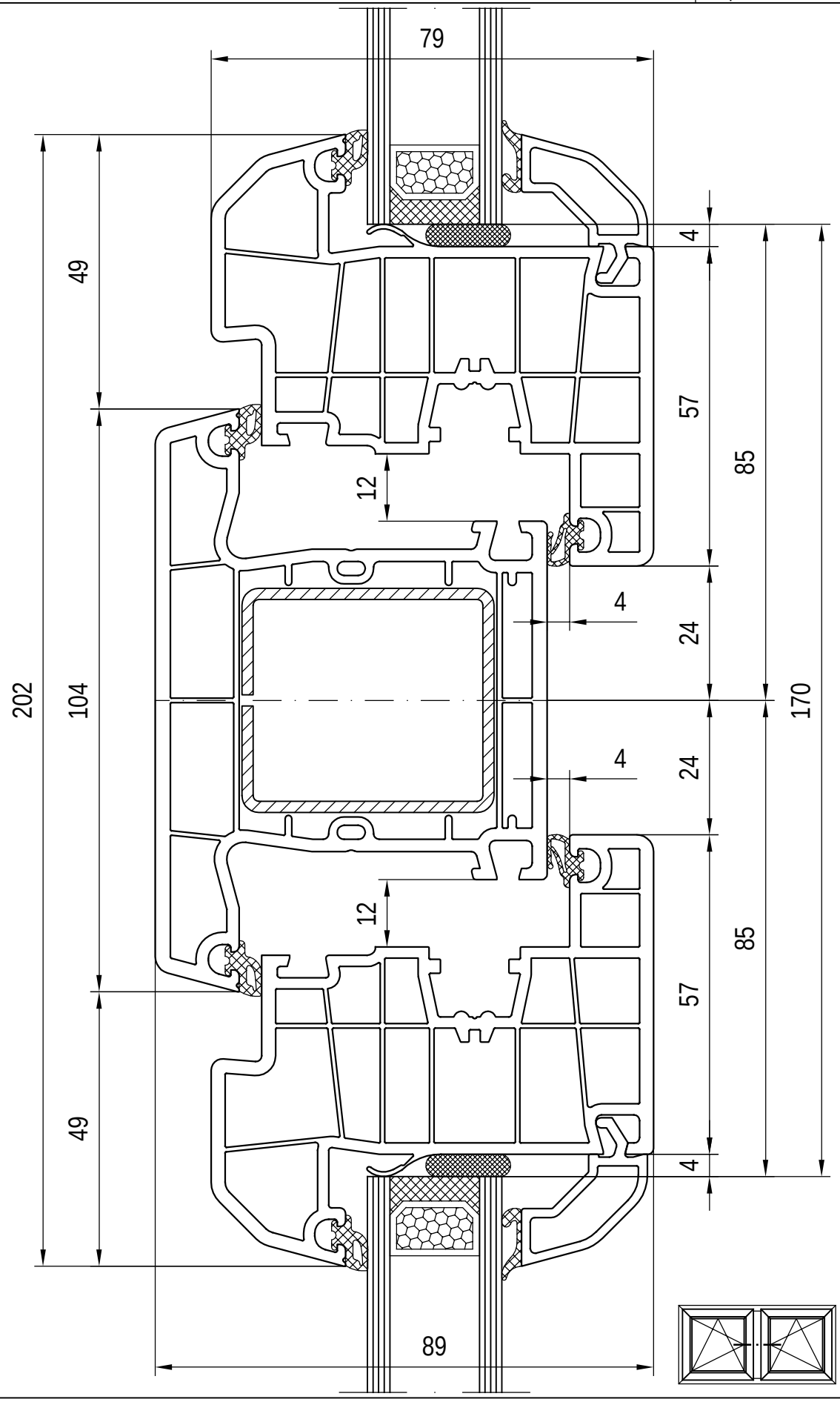
* Falzluft bei Haustüren links und rechts = 13mm

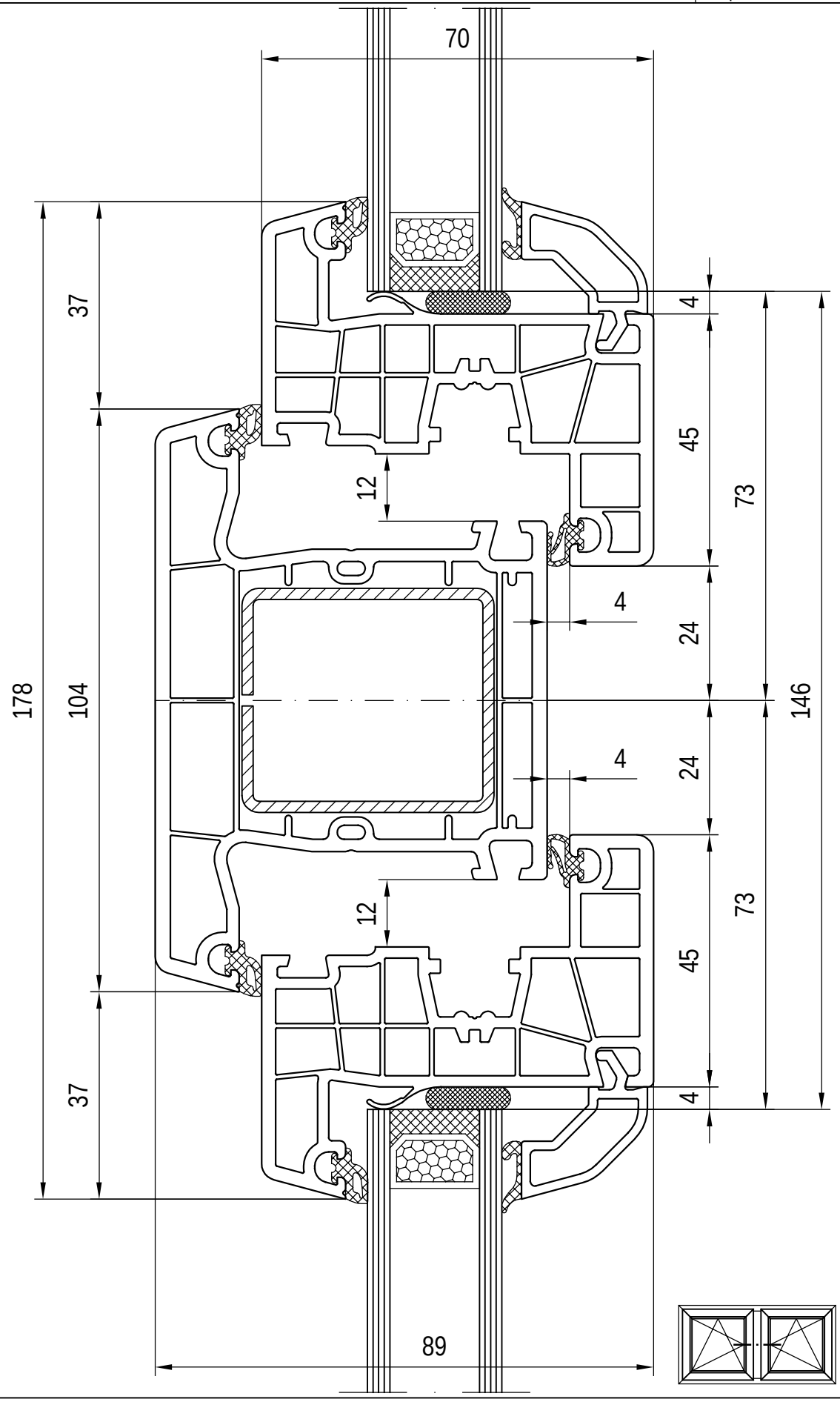

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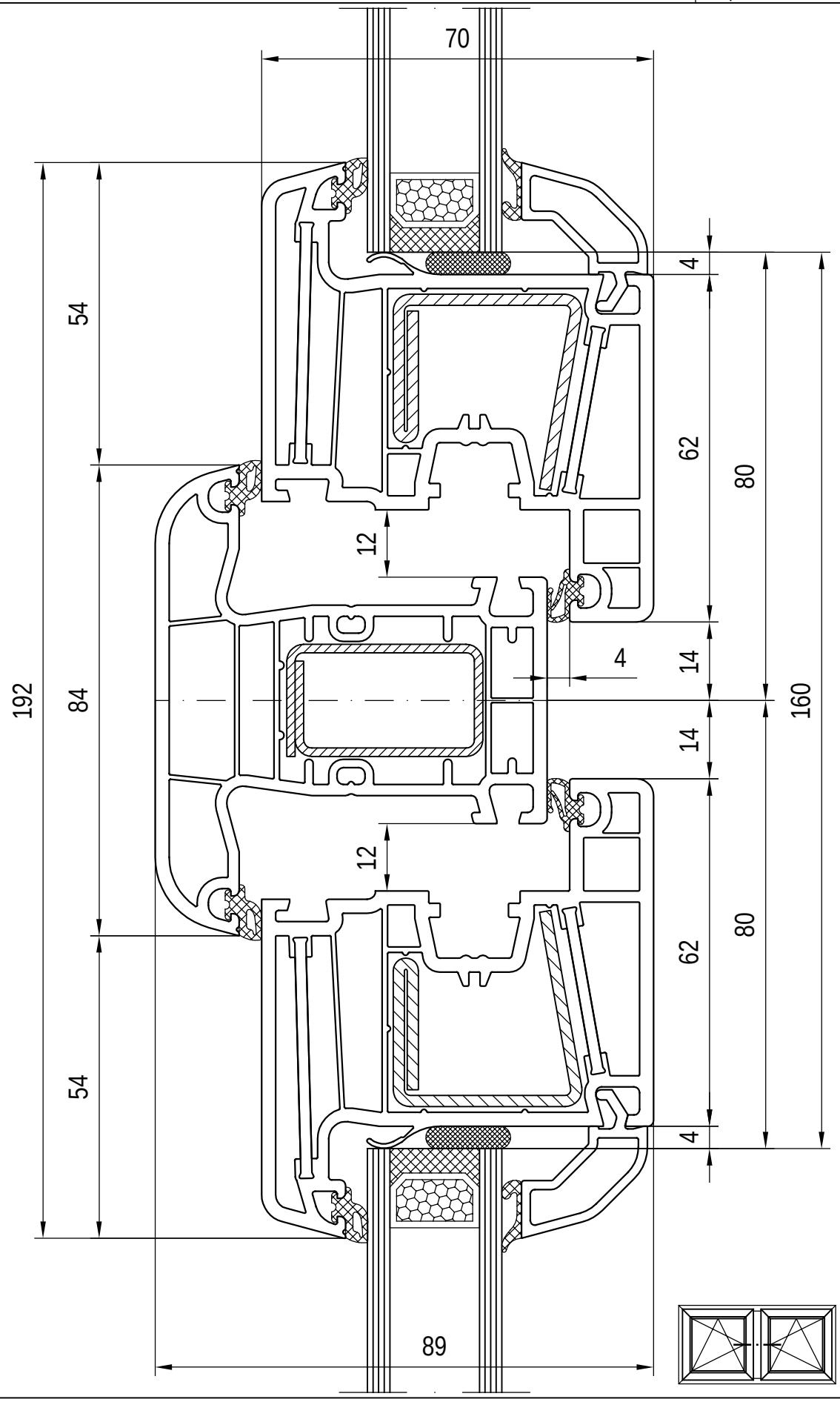


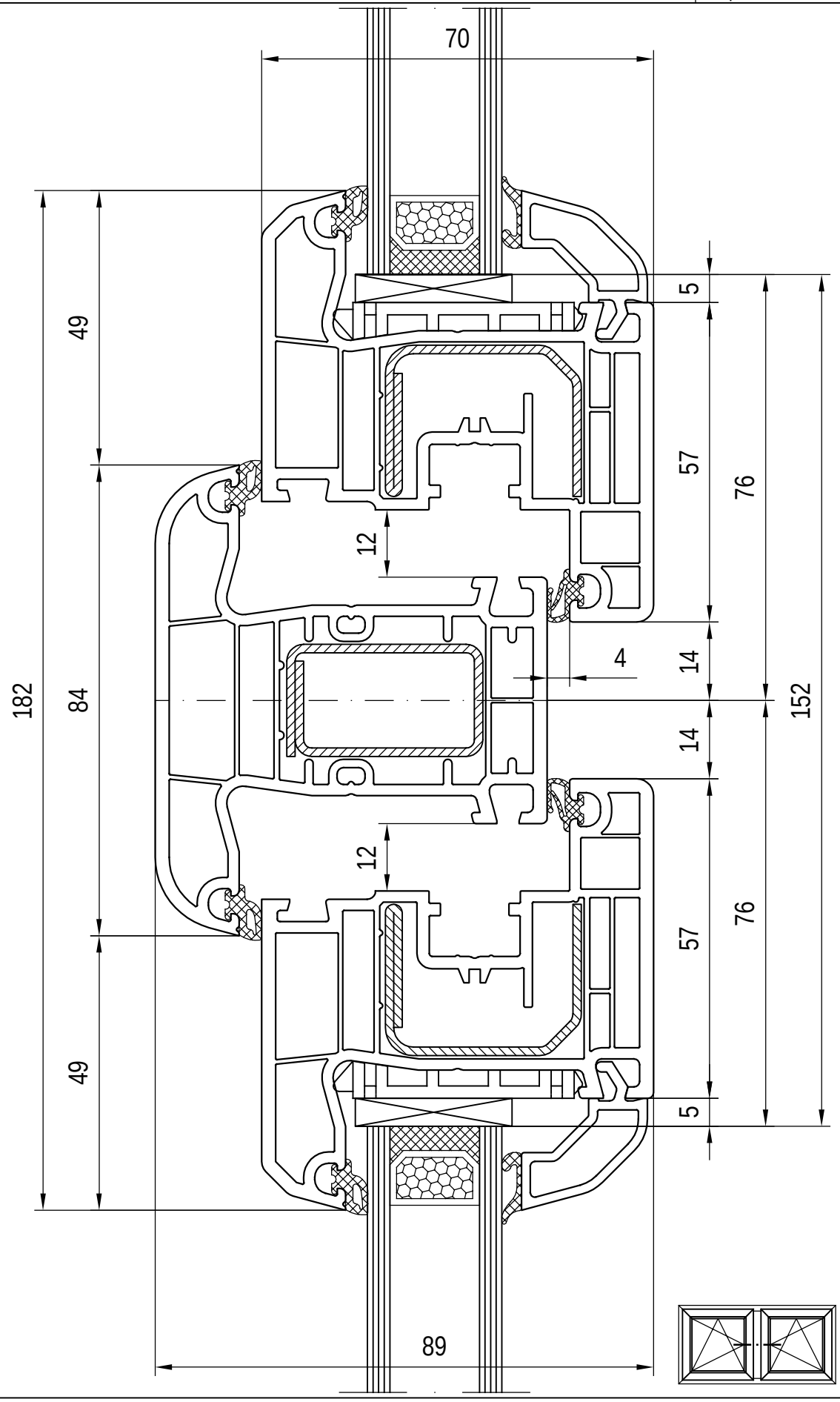


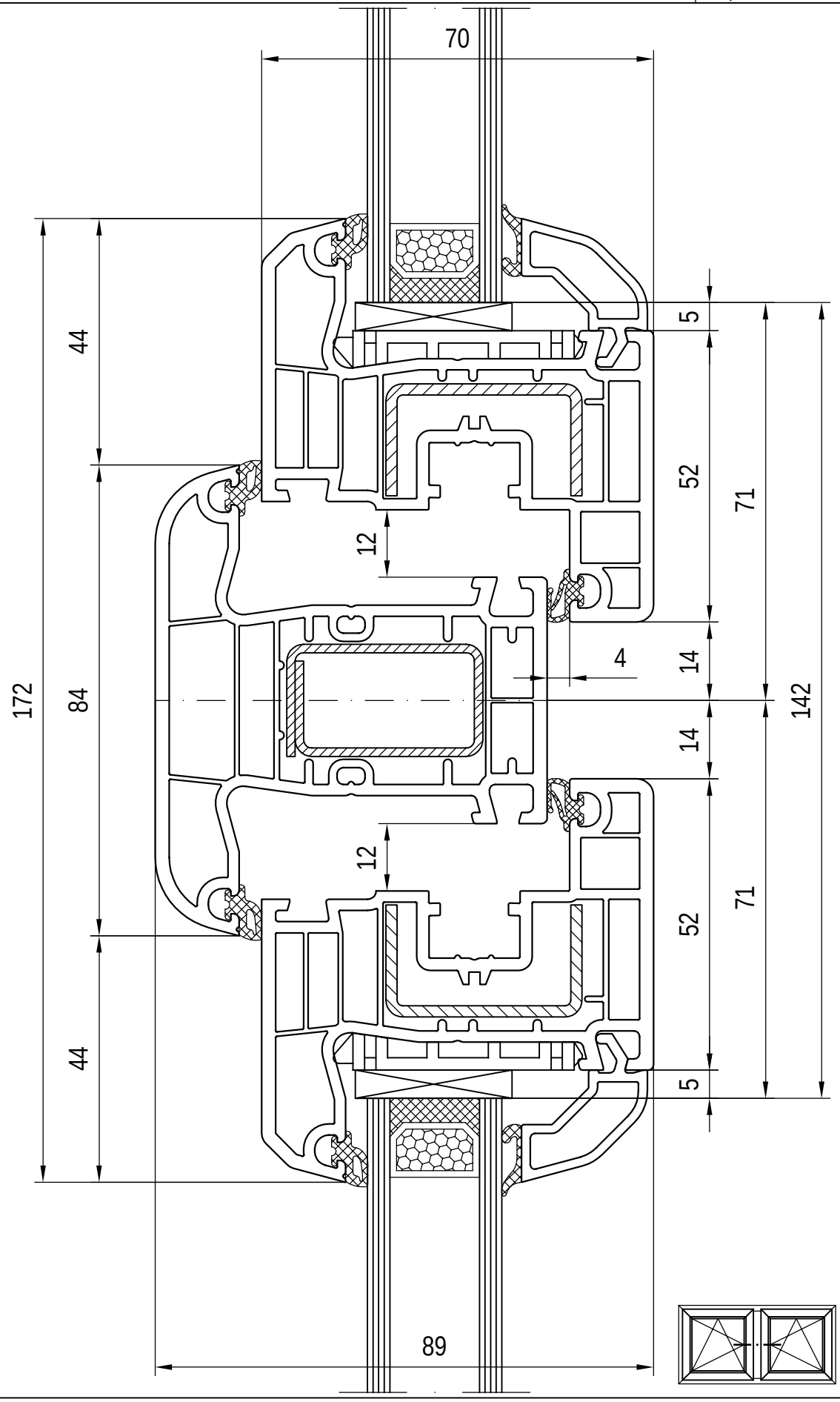
* Falzluft bei Haustüren links und rechts = 13mm

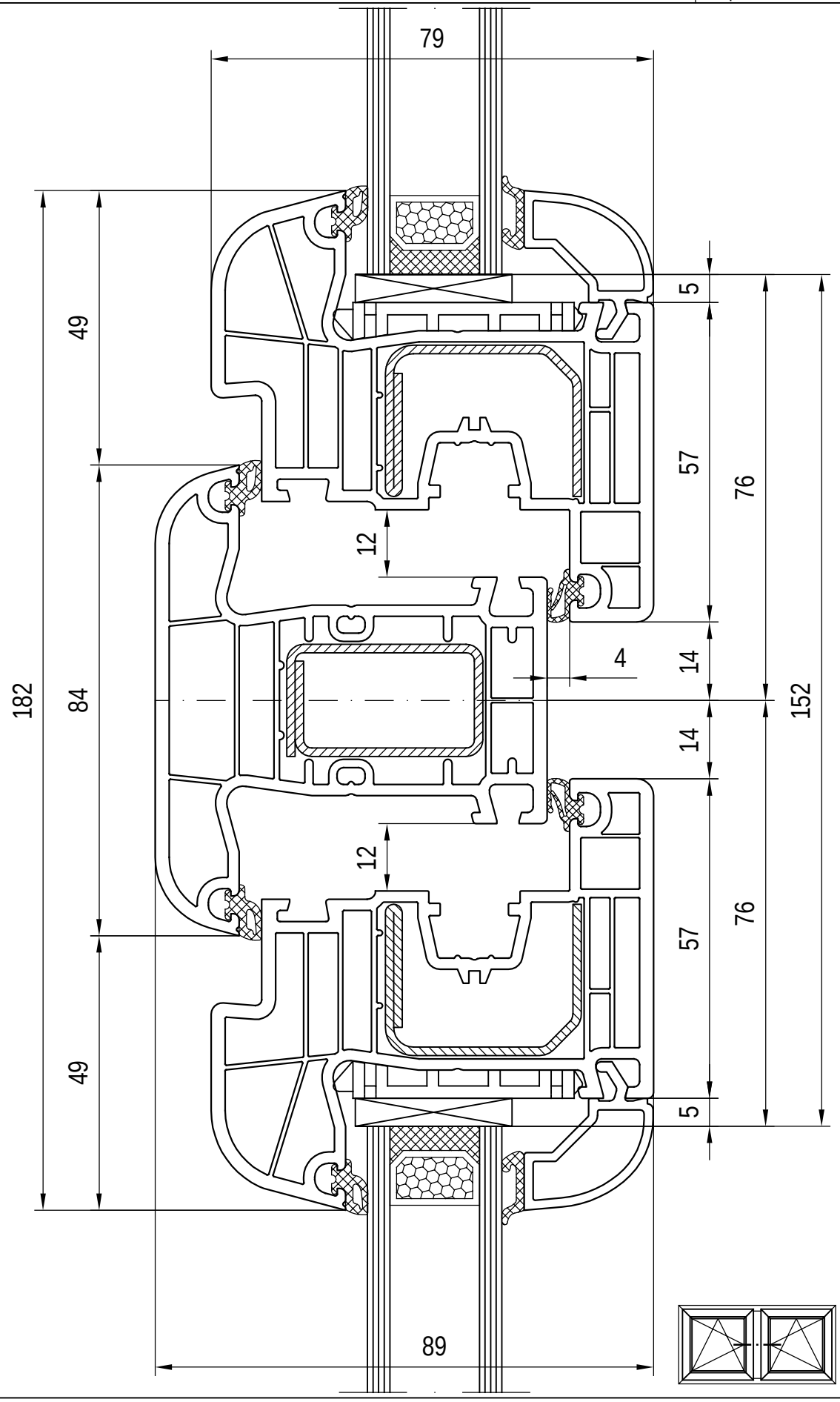

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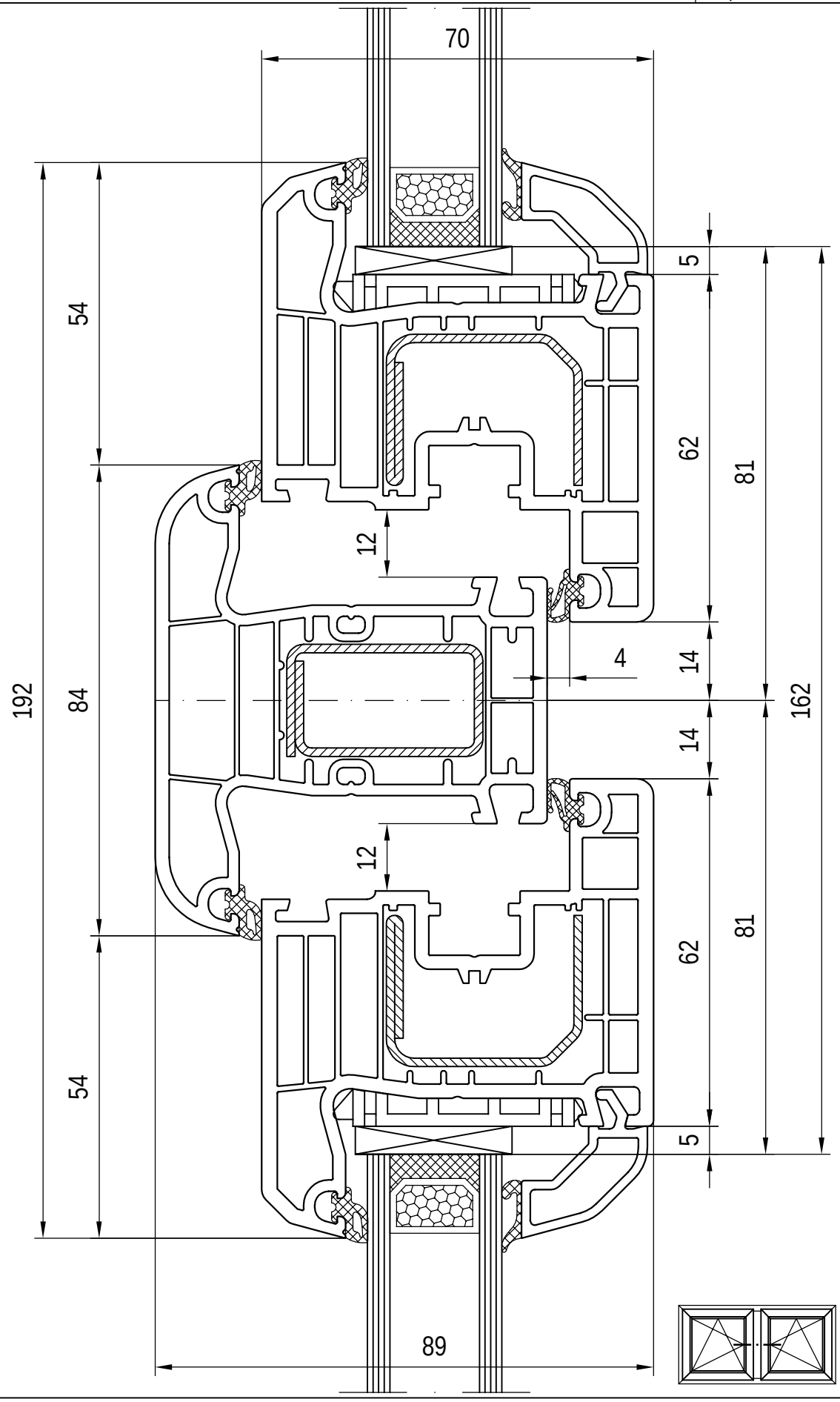

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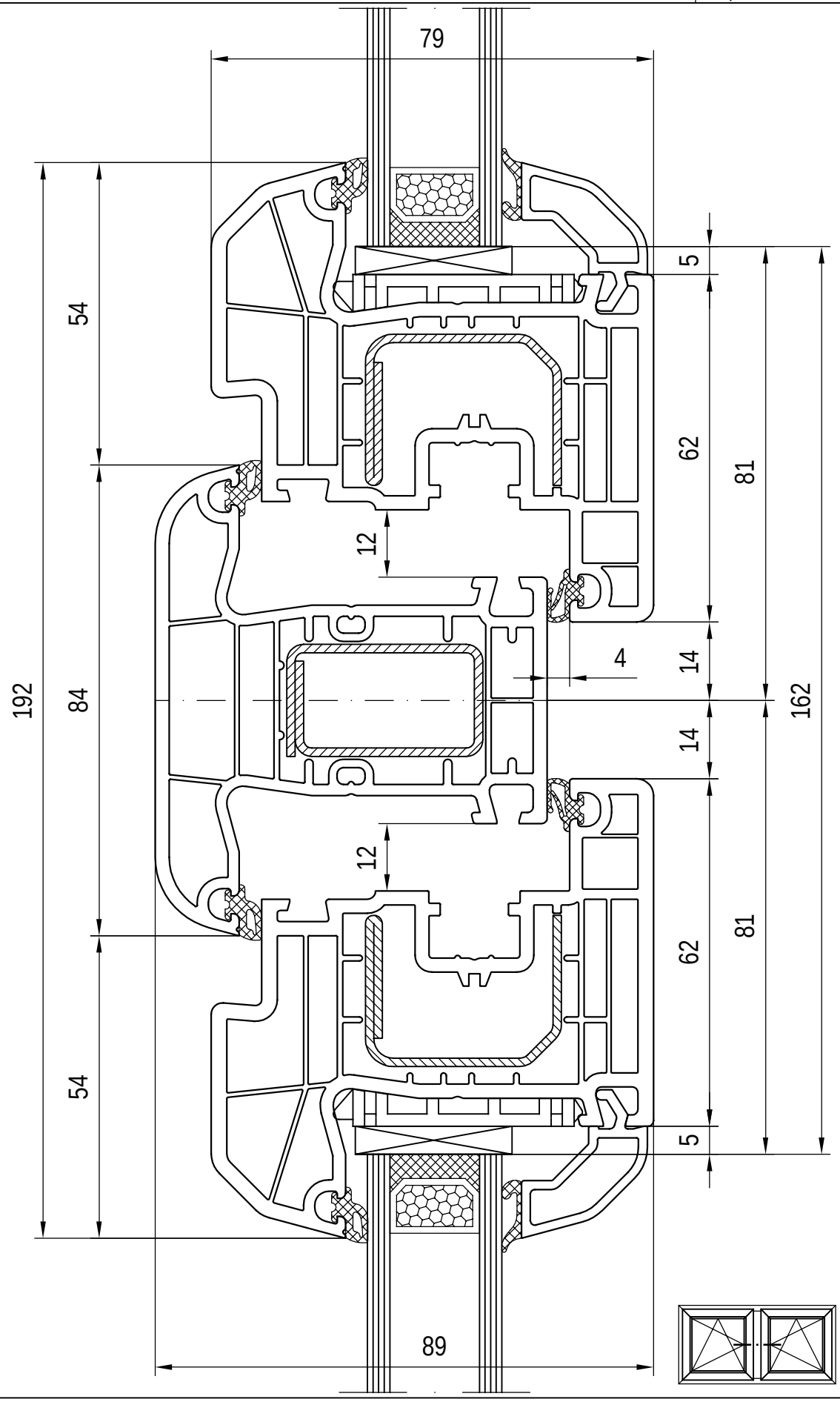

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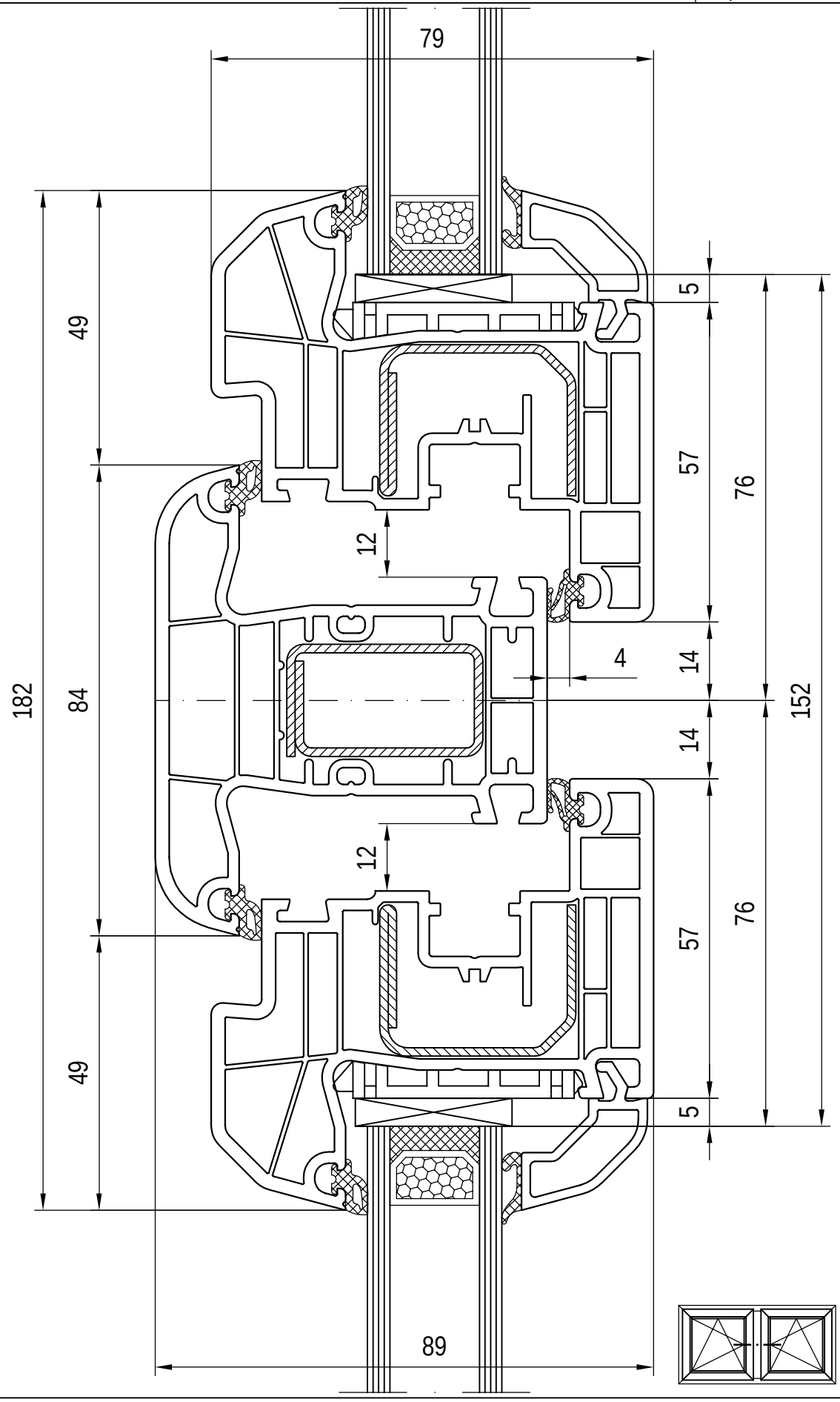

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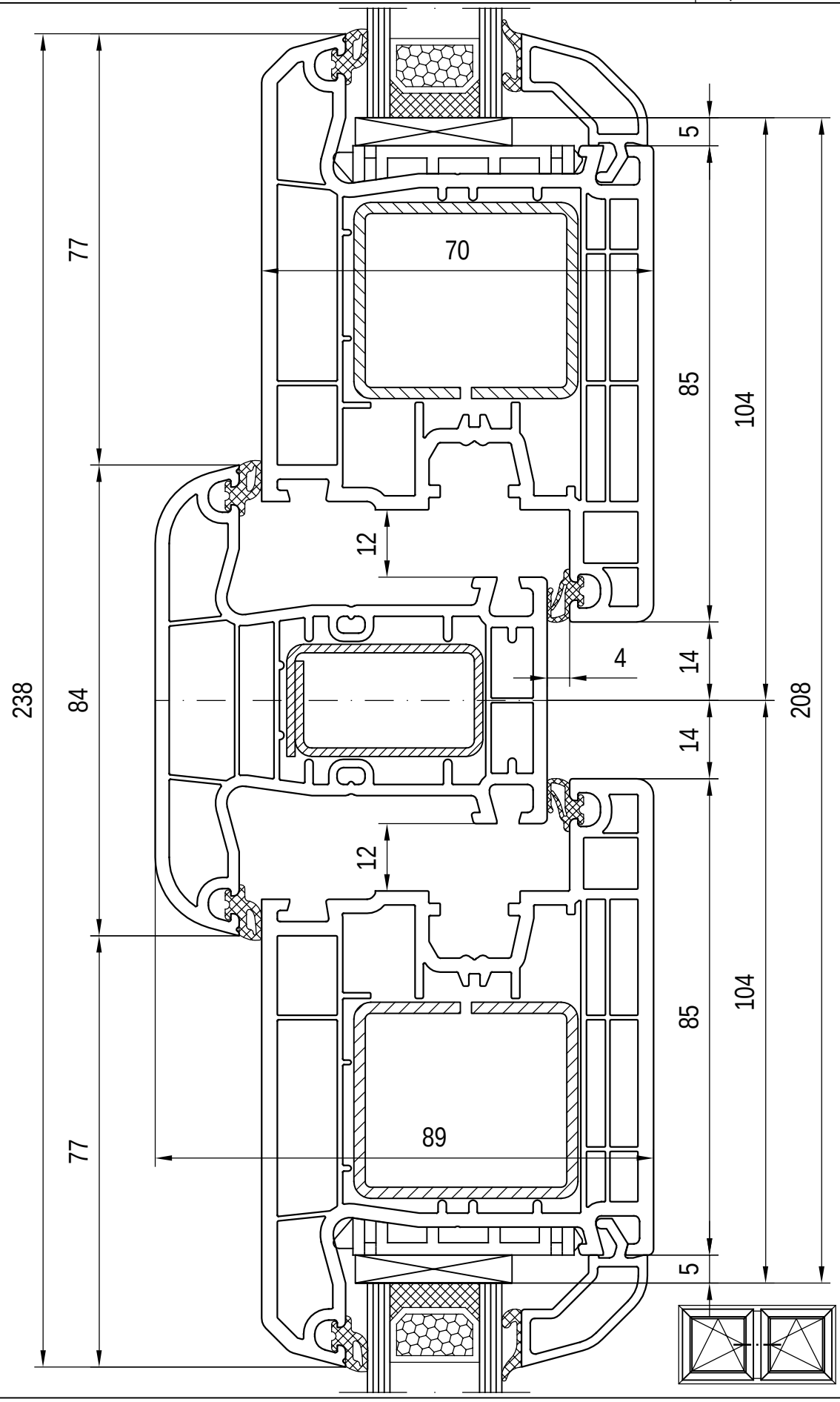

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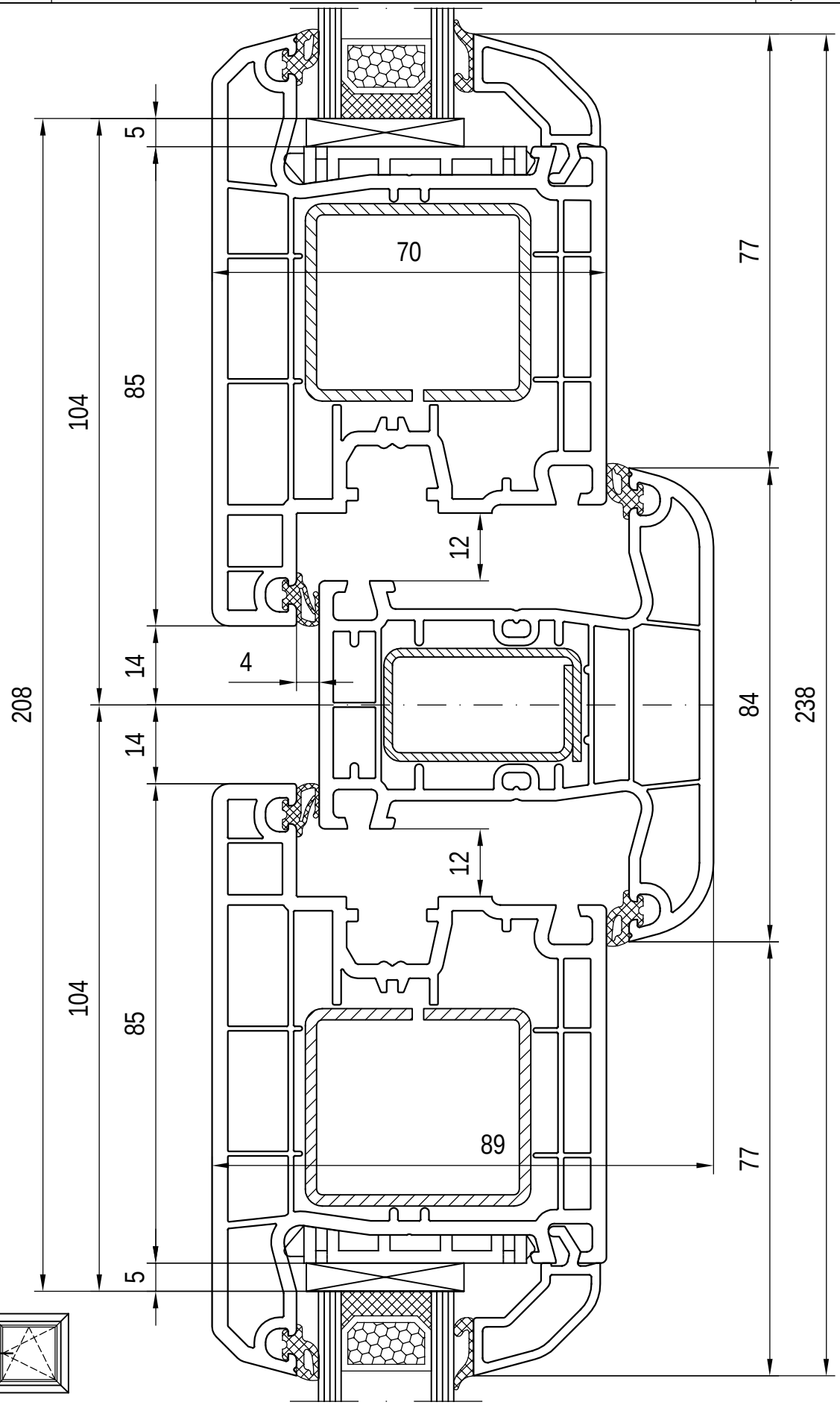

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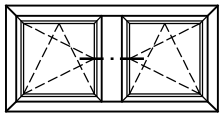

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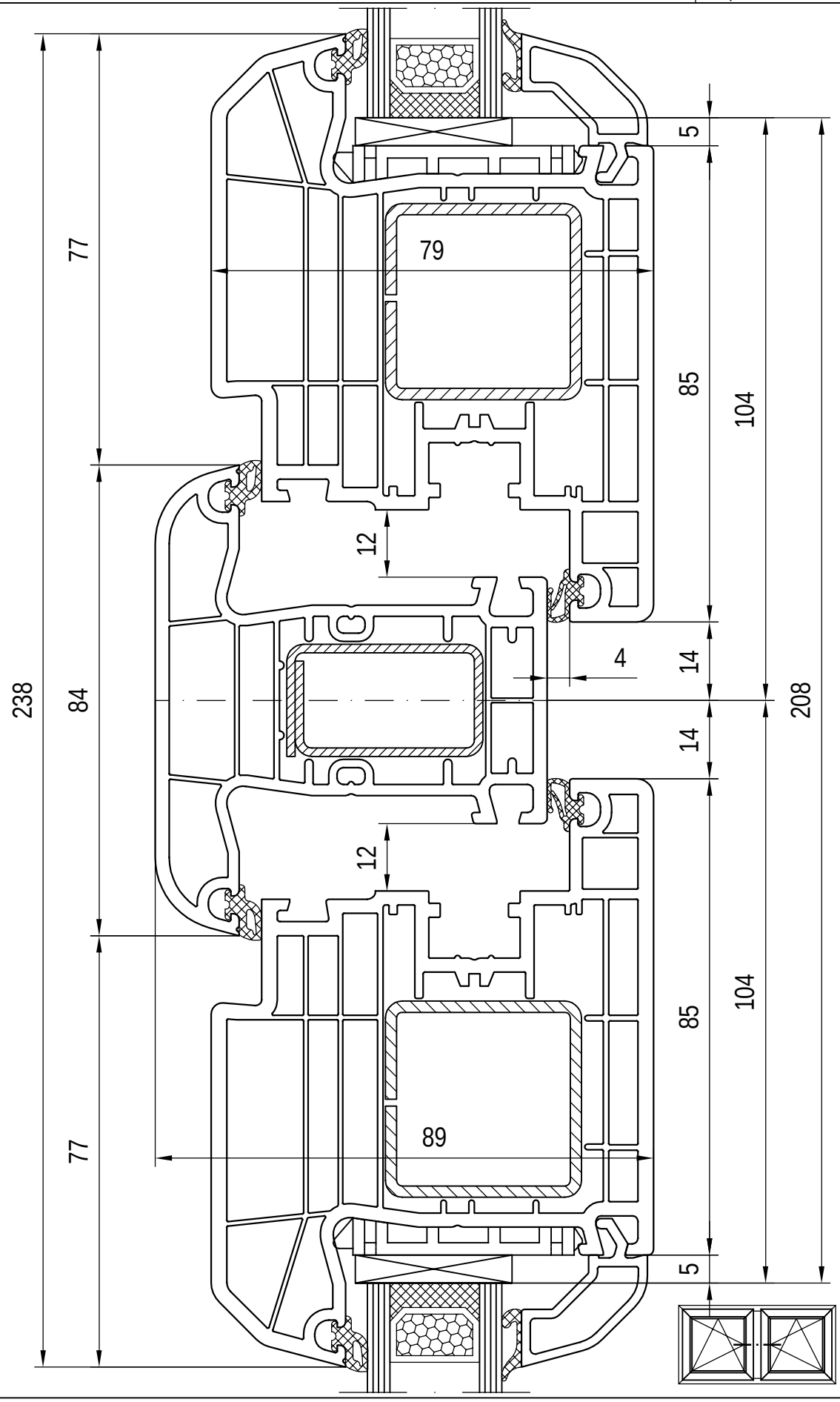

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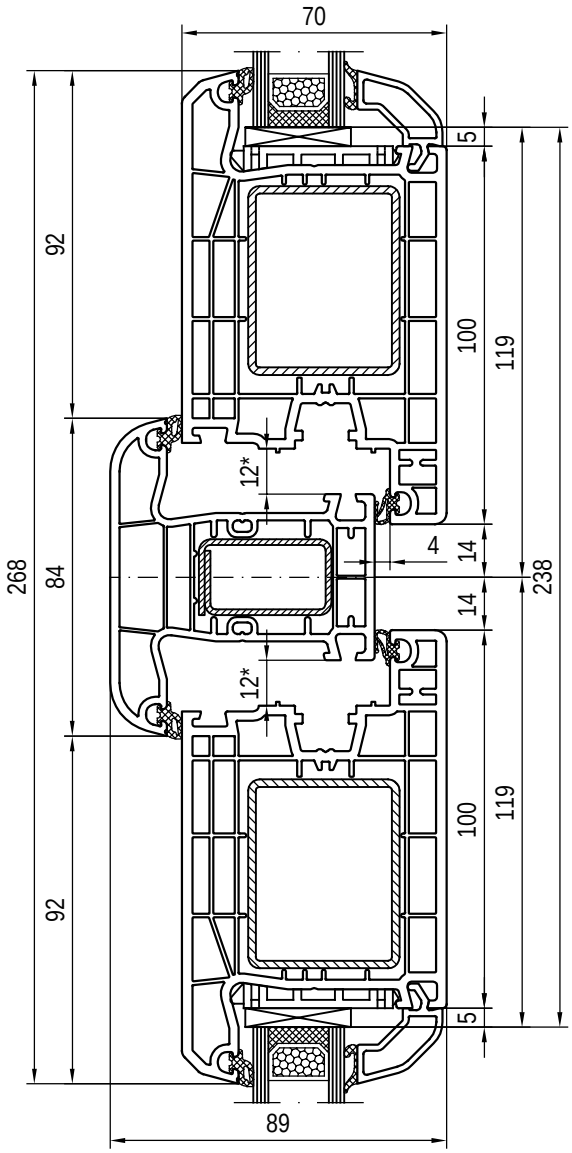

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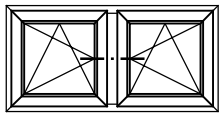

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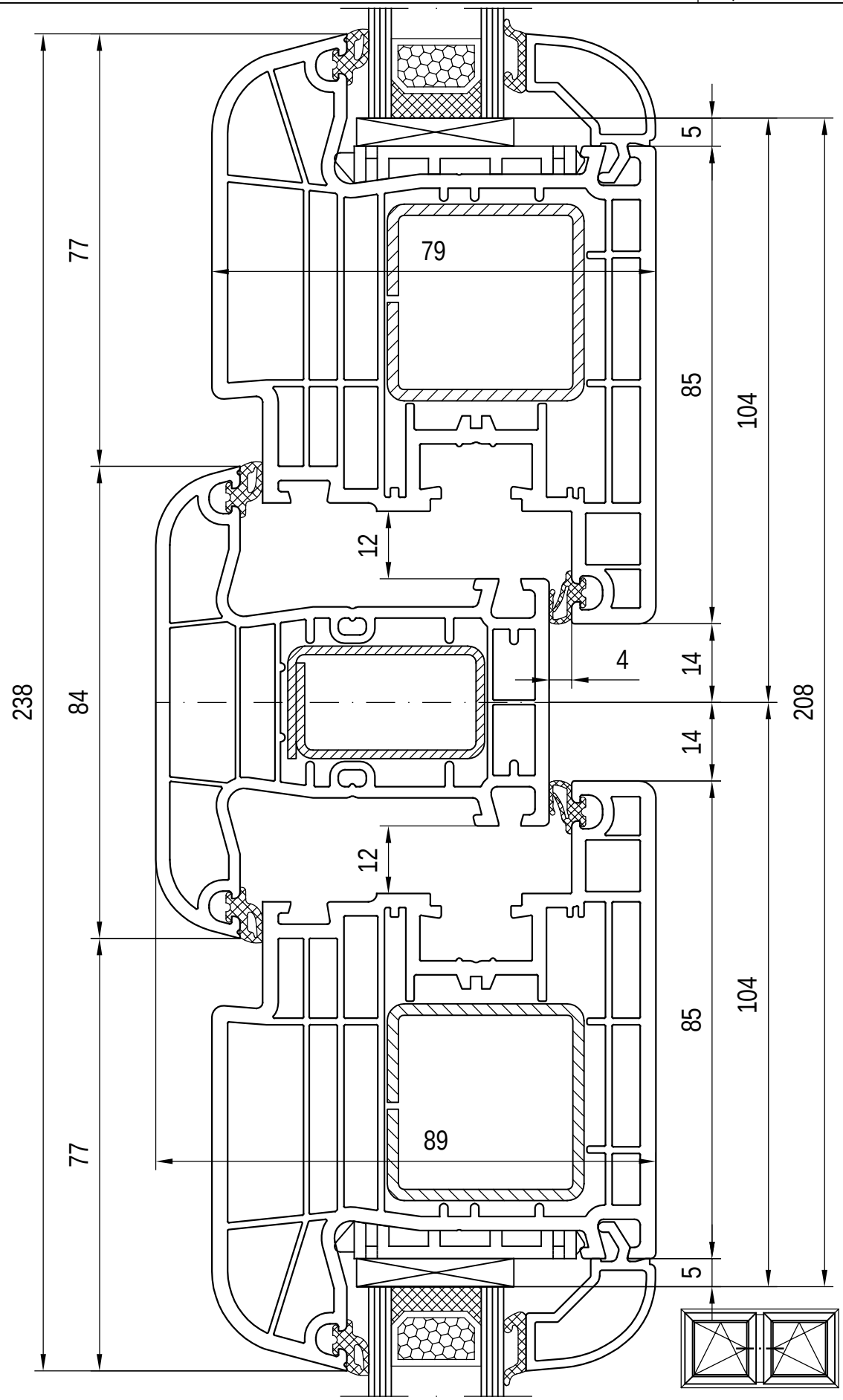


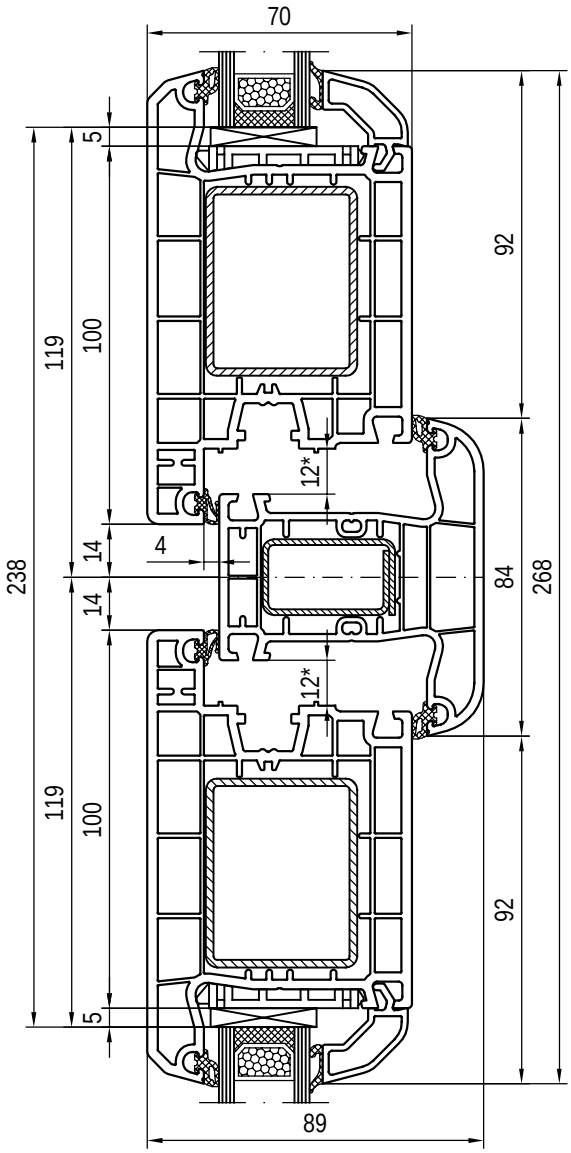

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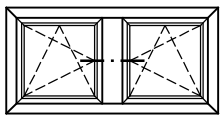




* Falzluft bei Haustüren links und rechts = 13mm


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* Falzluft bei Haustüren links und rechts = 13mm

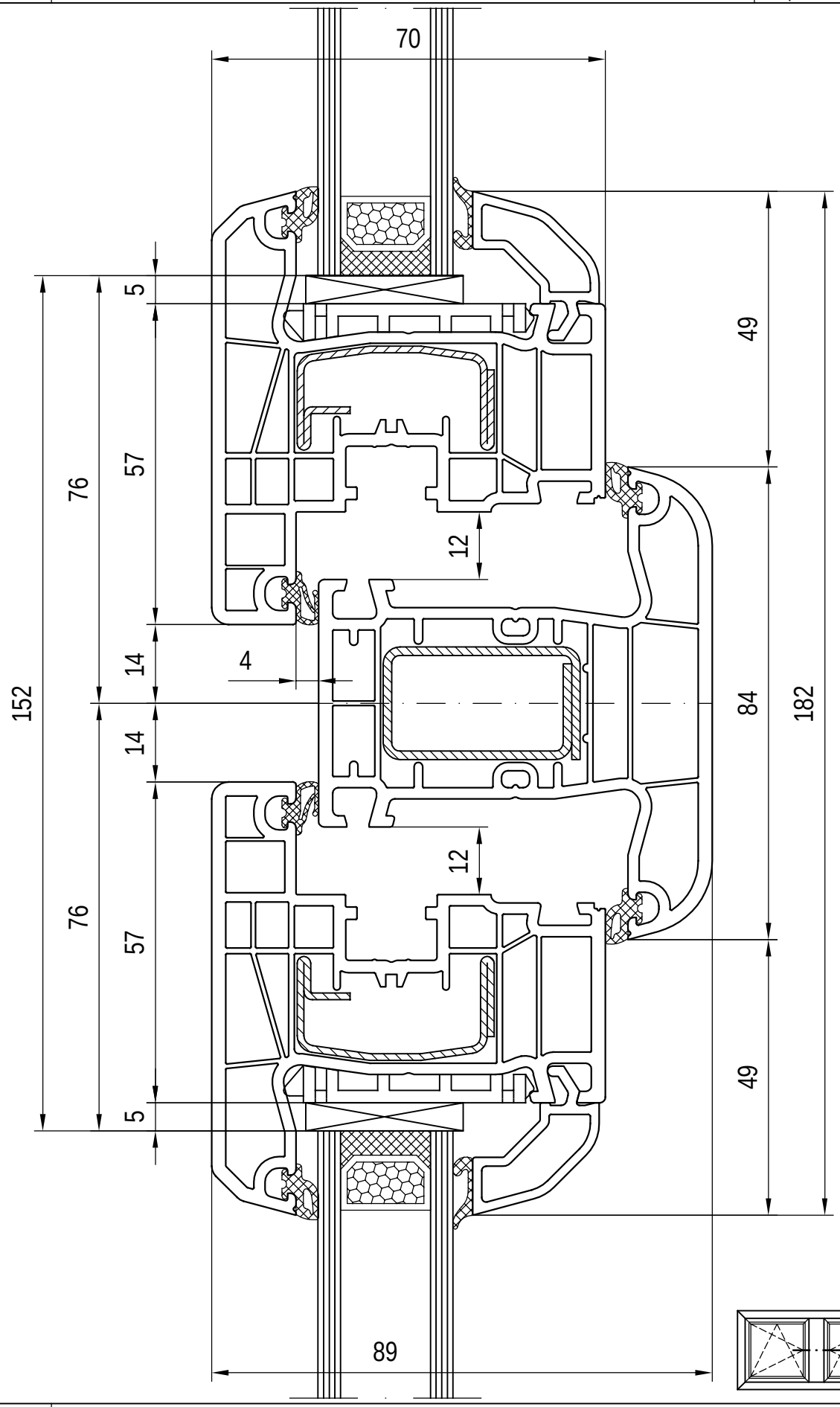
Technische Änderungen und Irrtümer vorbehalten!

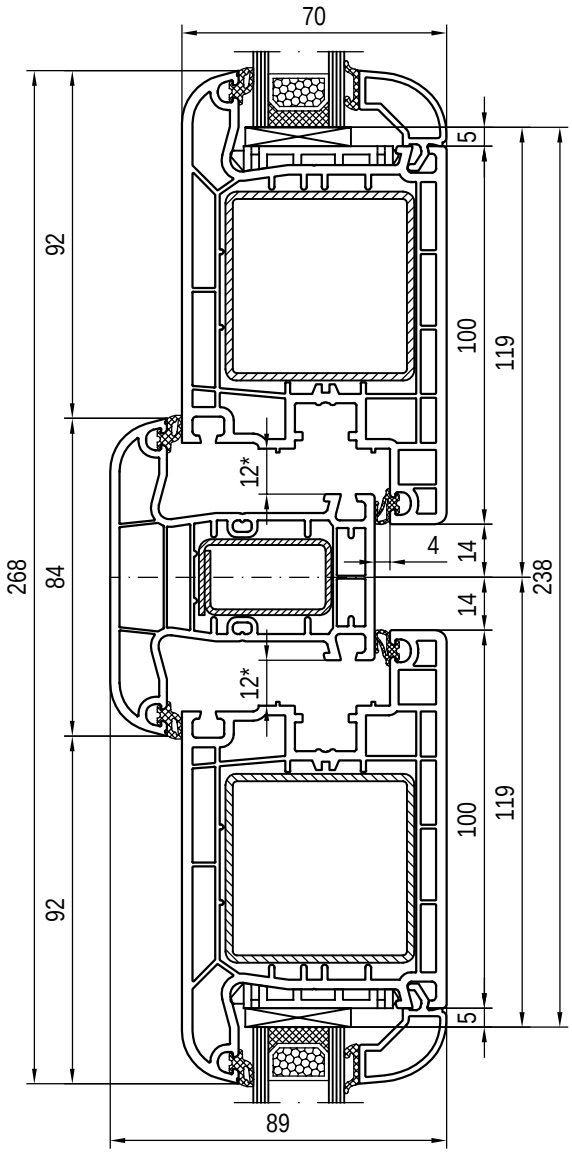
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03_G_01_4*

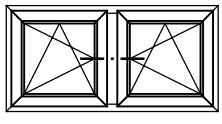
Kombinationen: Flügel - Pfosten - Flügel

Glasleiste 120846/120876

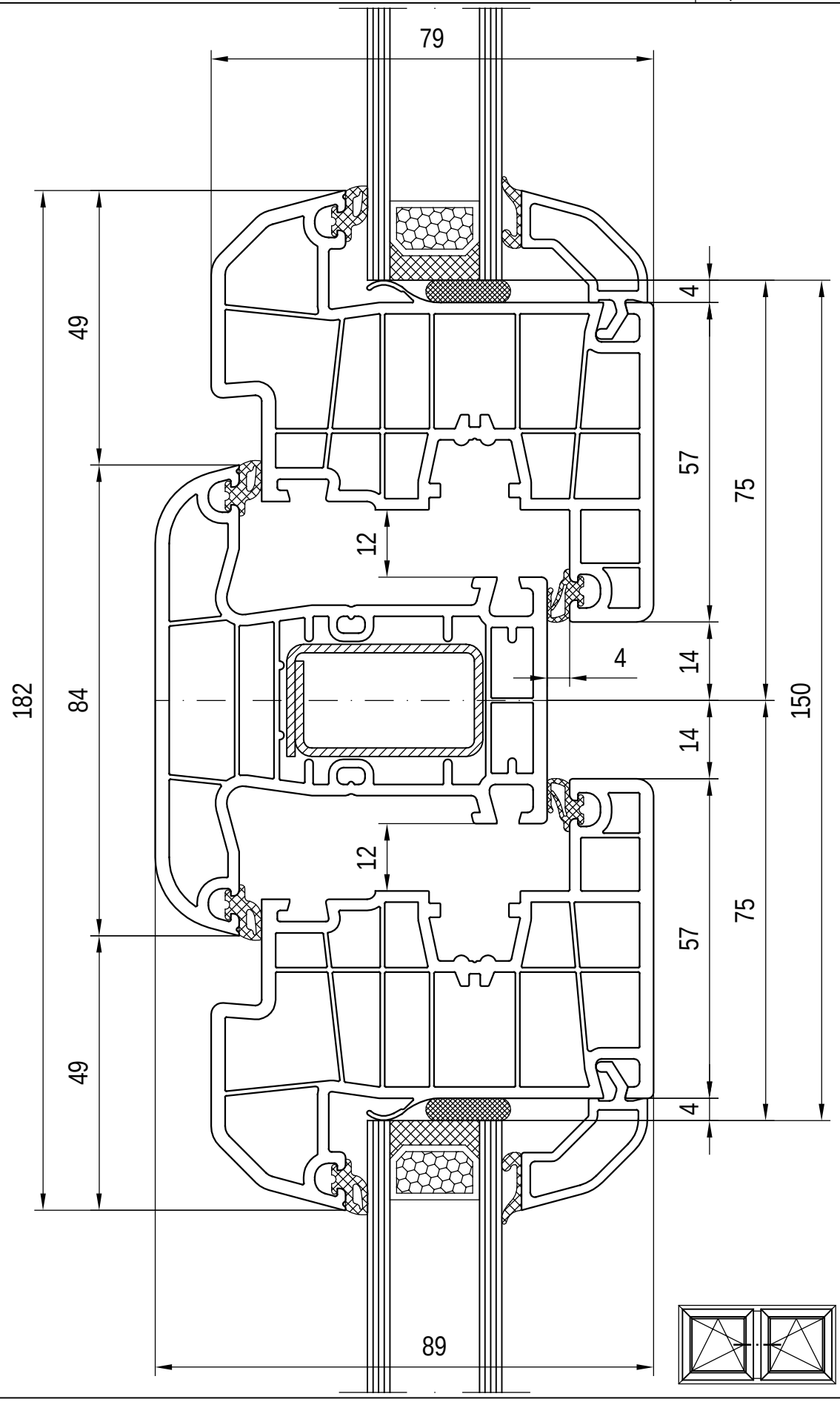
Pfosten 140x47
Flügel 140x35

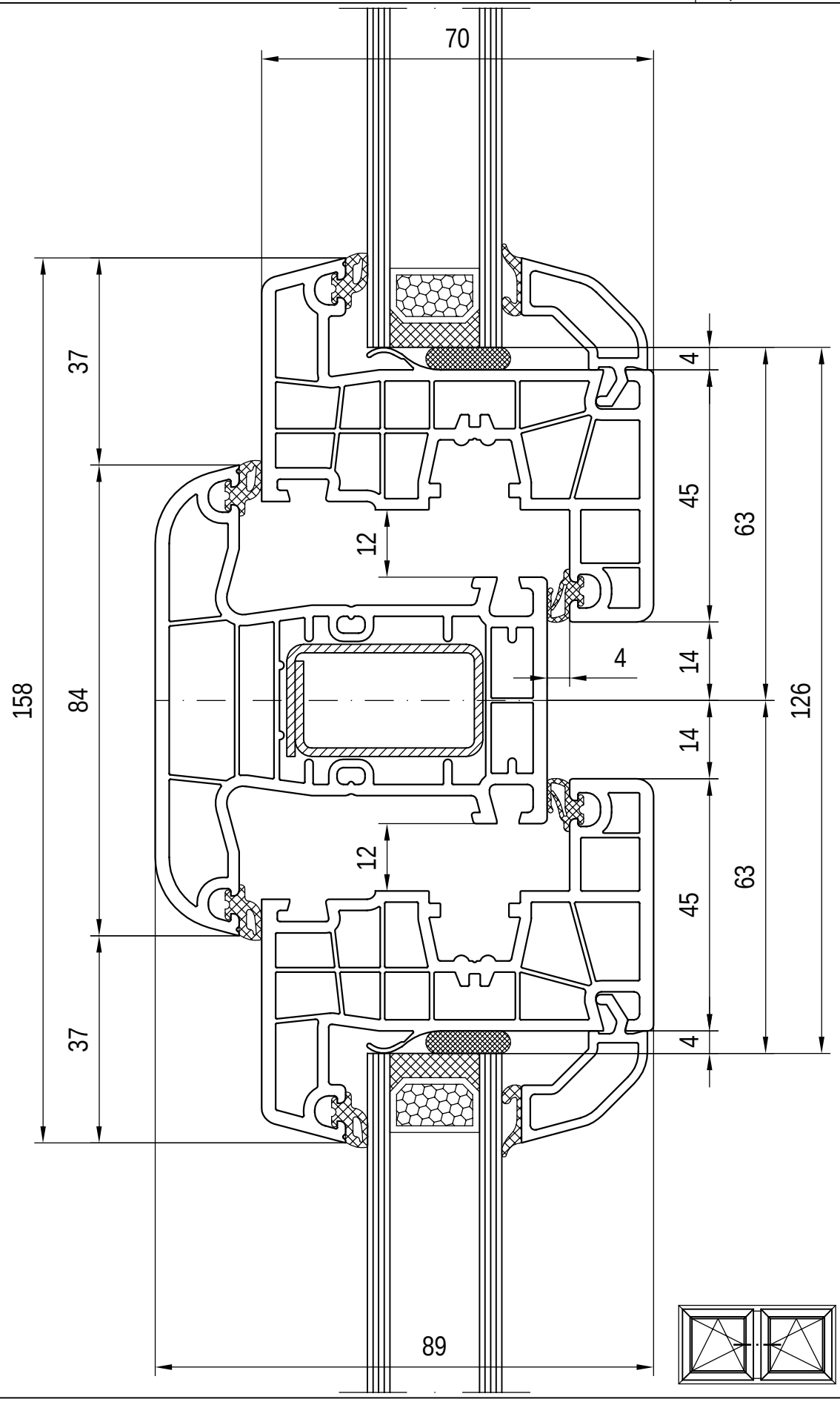

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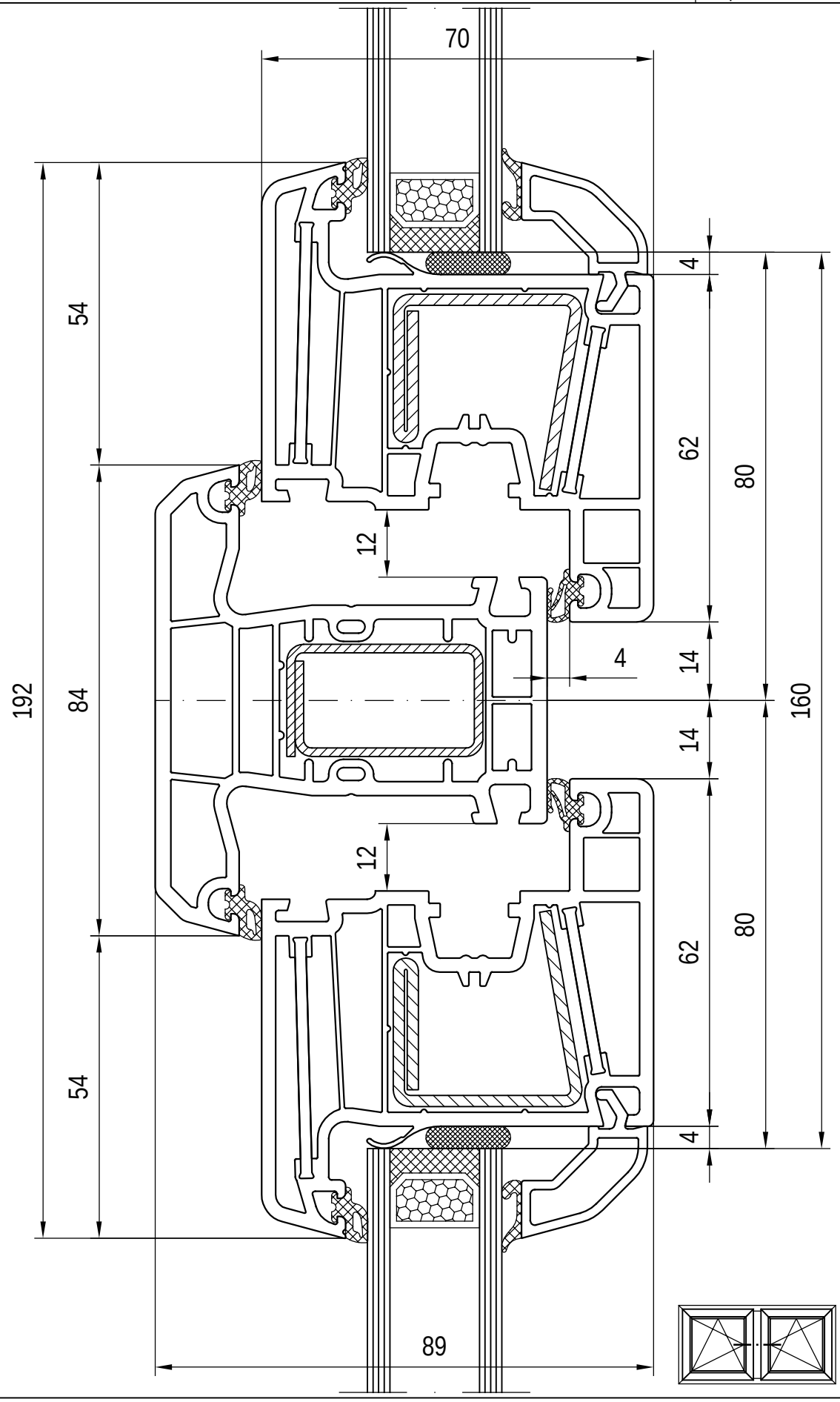


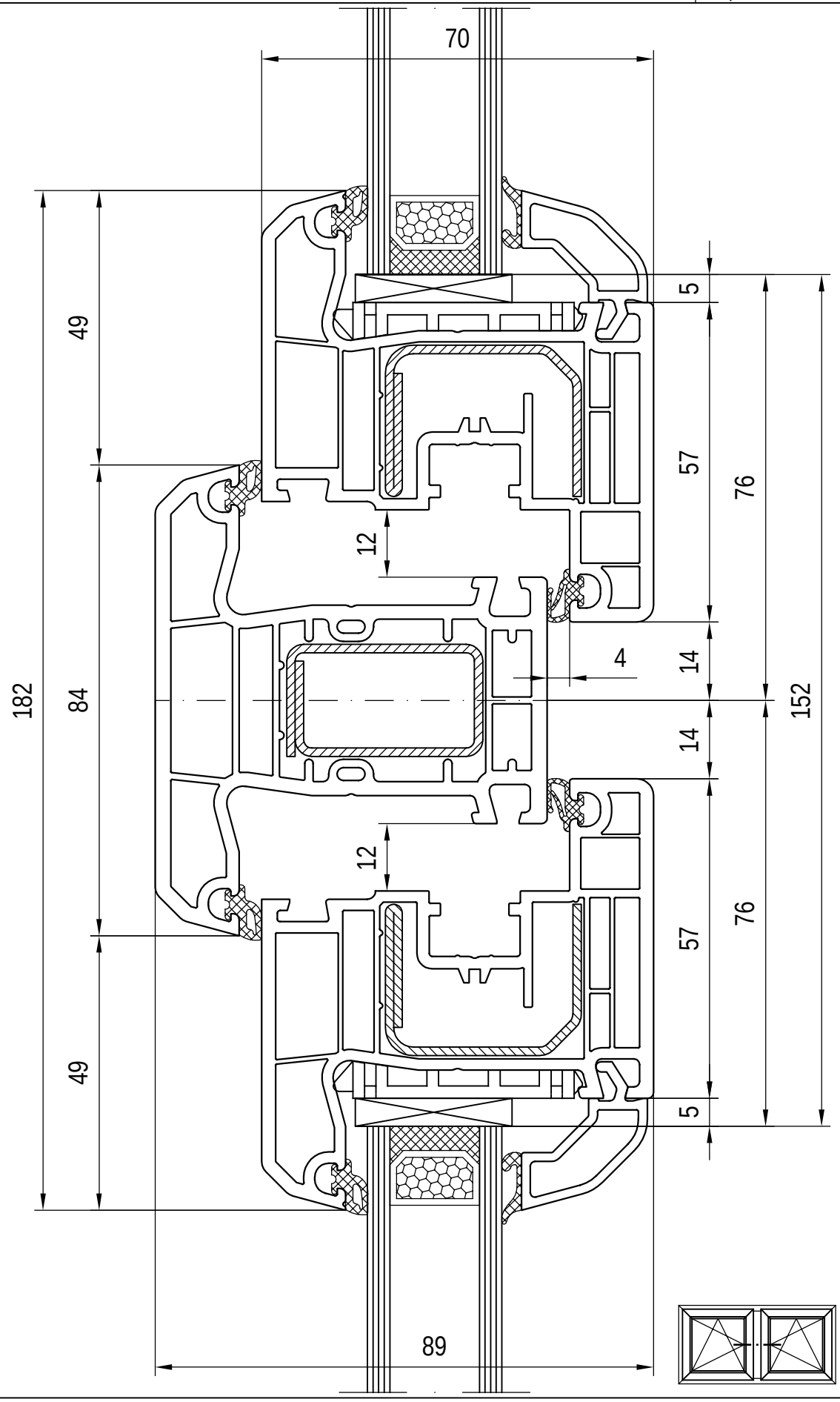


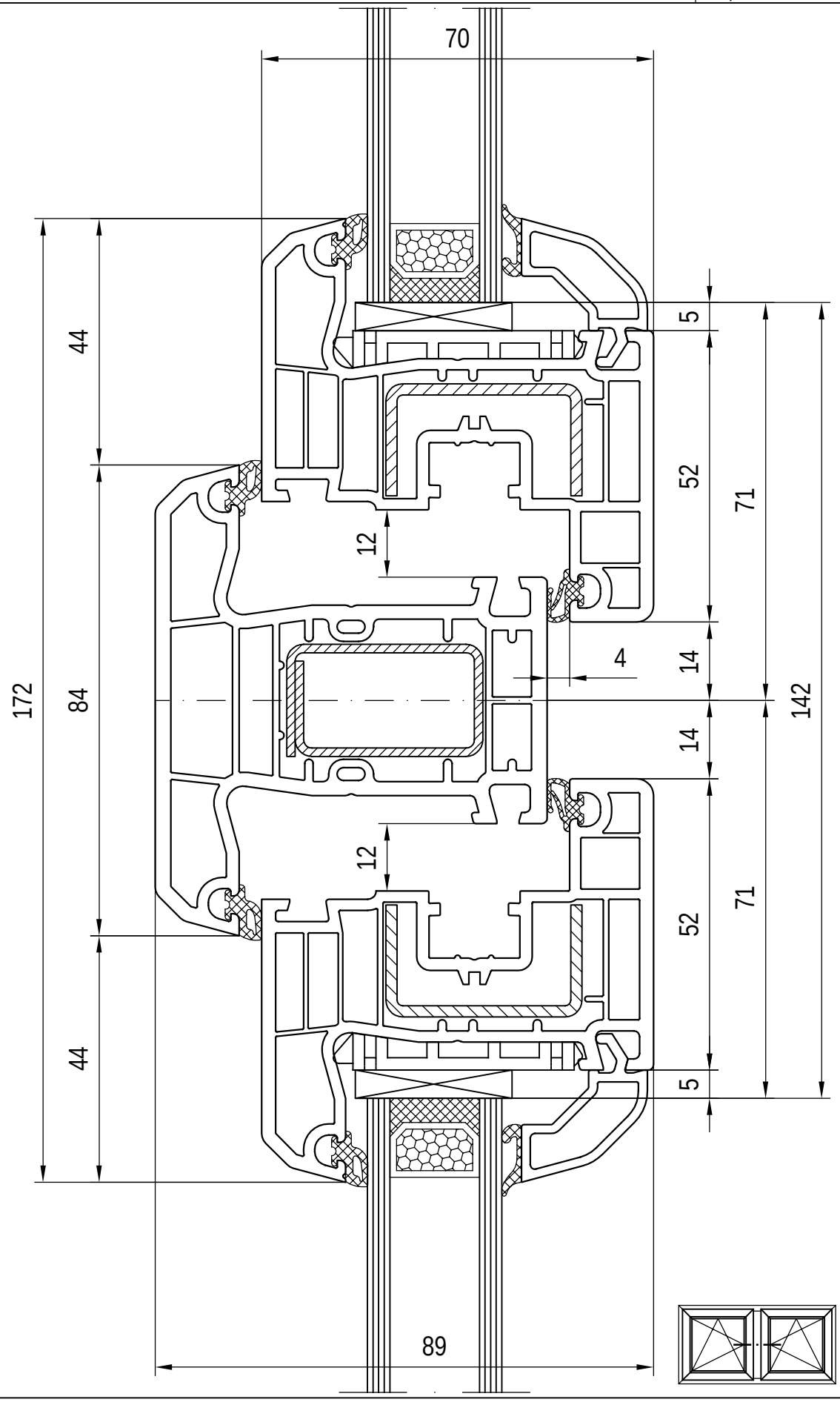
* Falzluft bei Haustüren links und rechts = 13mm

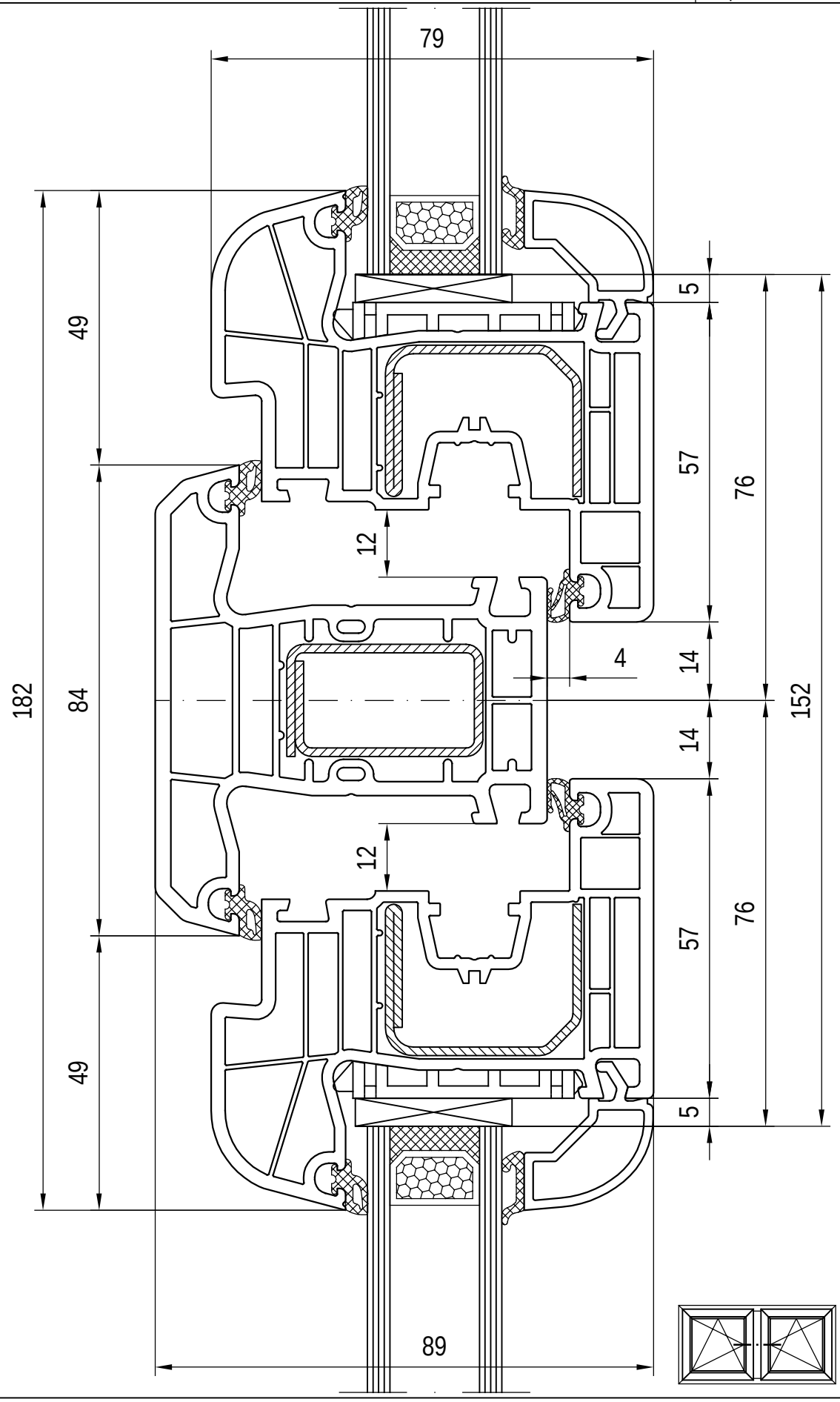

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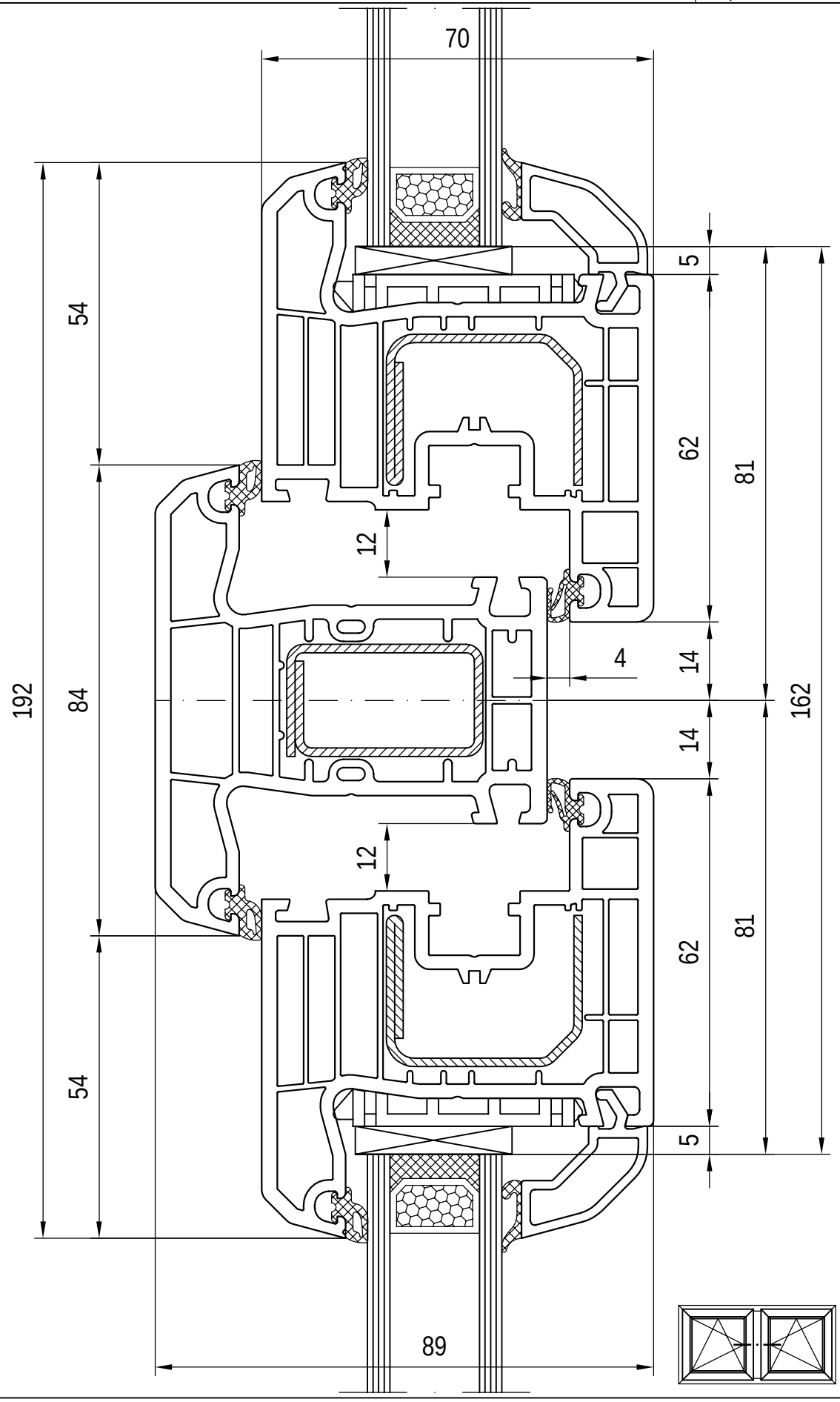

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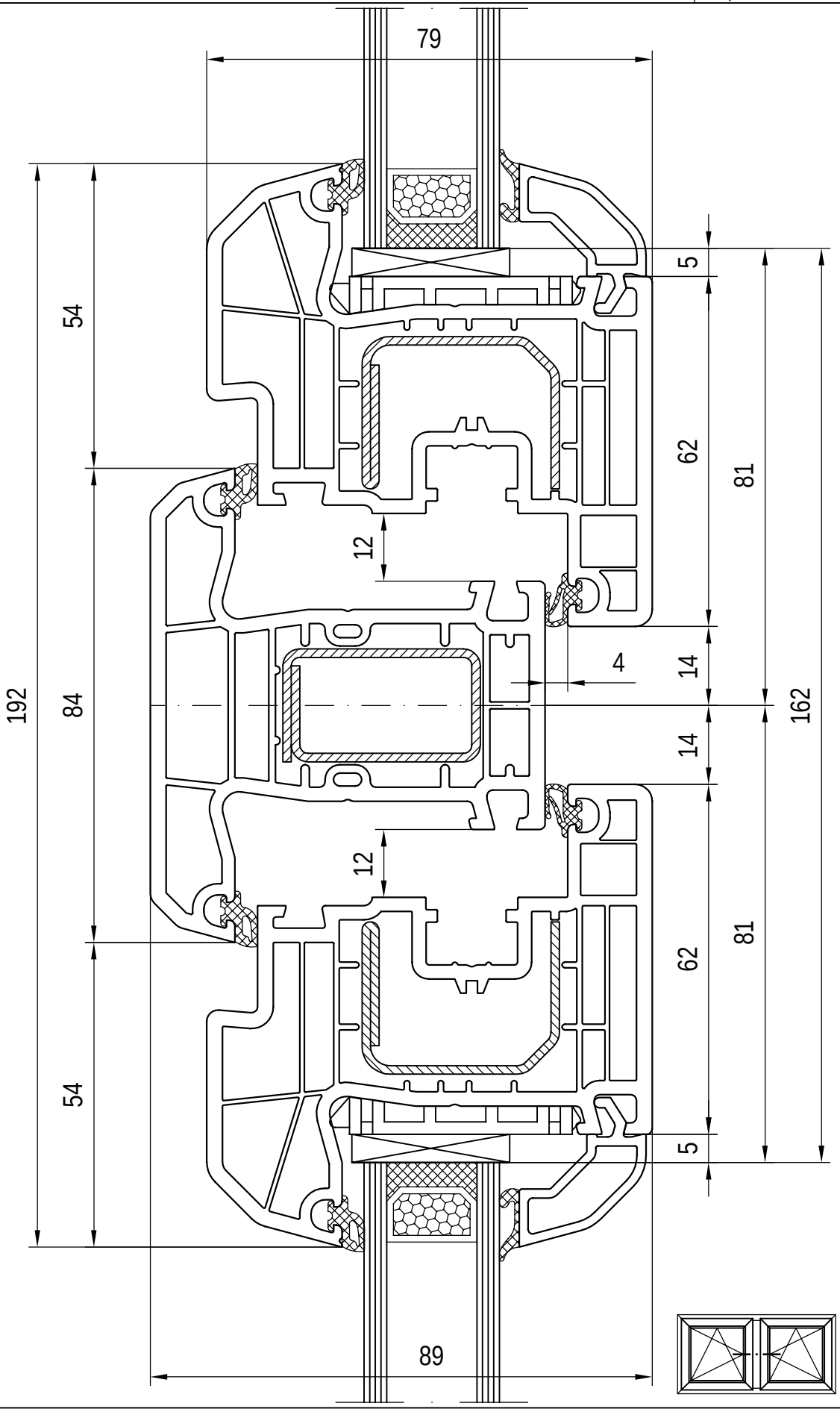

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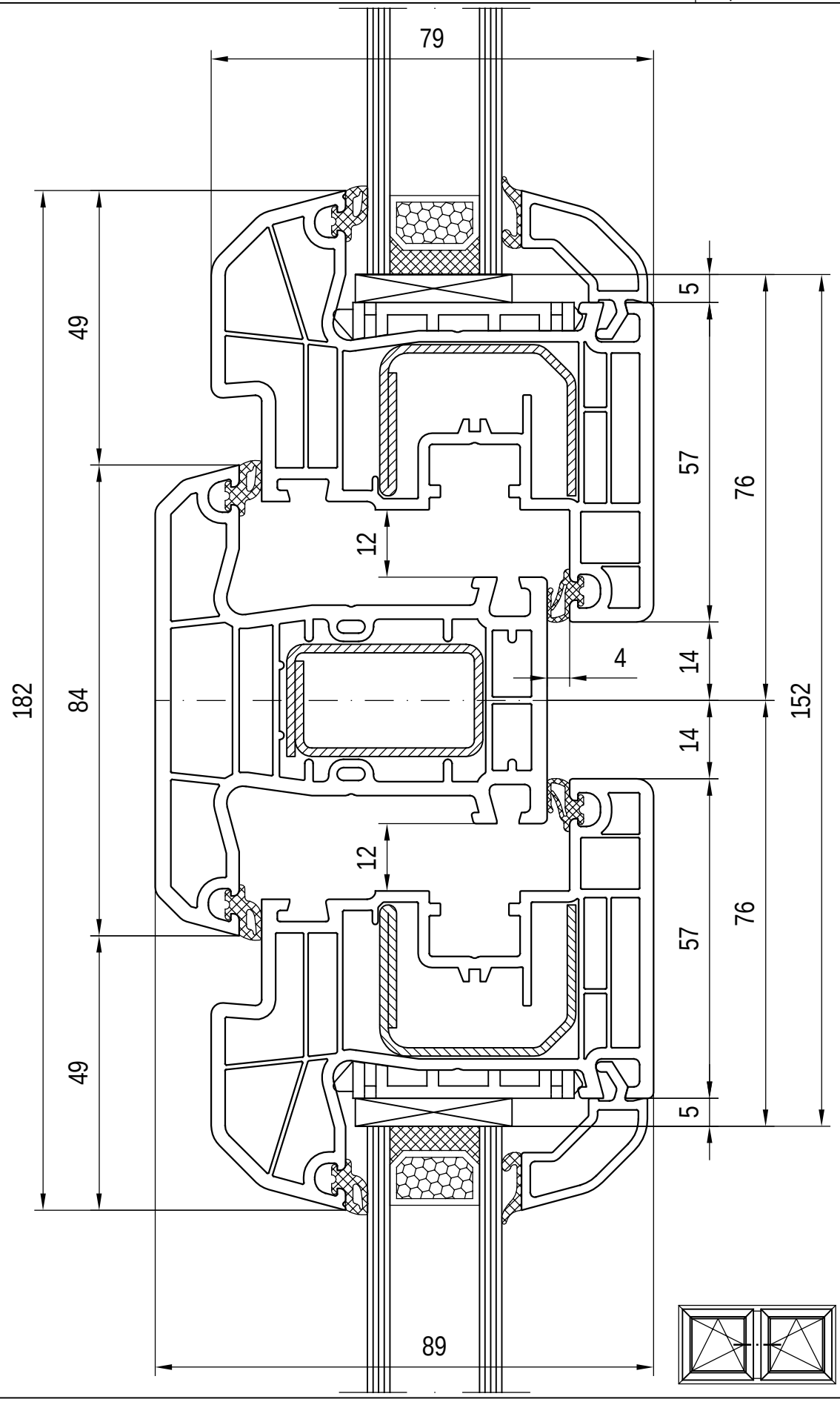

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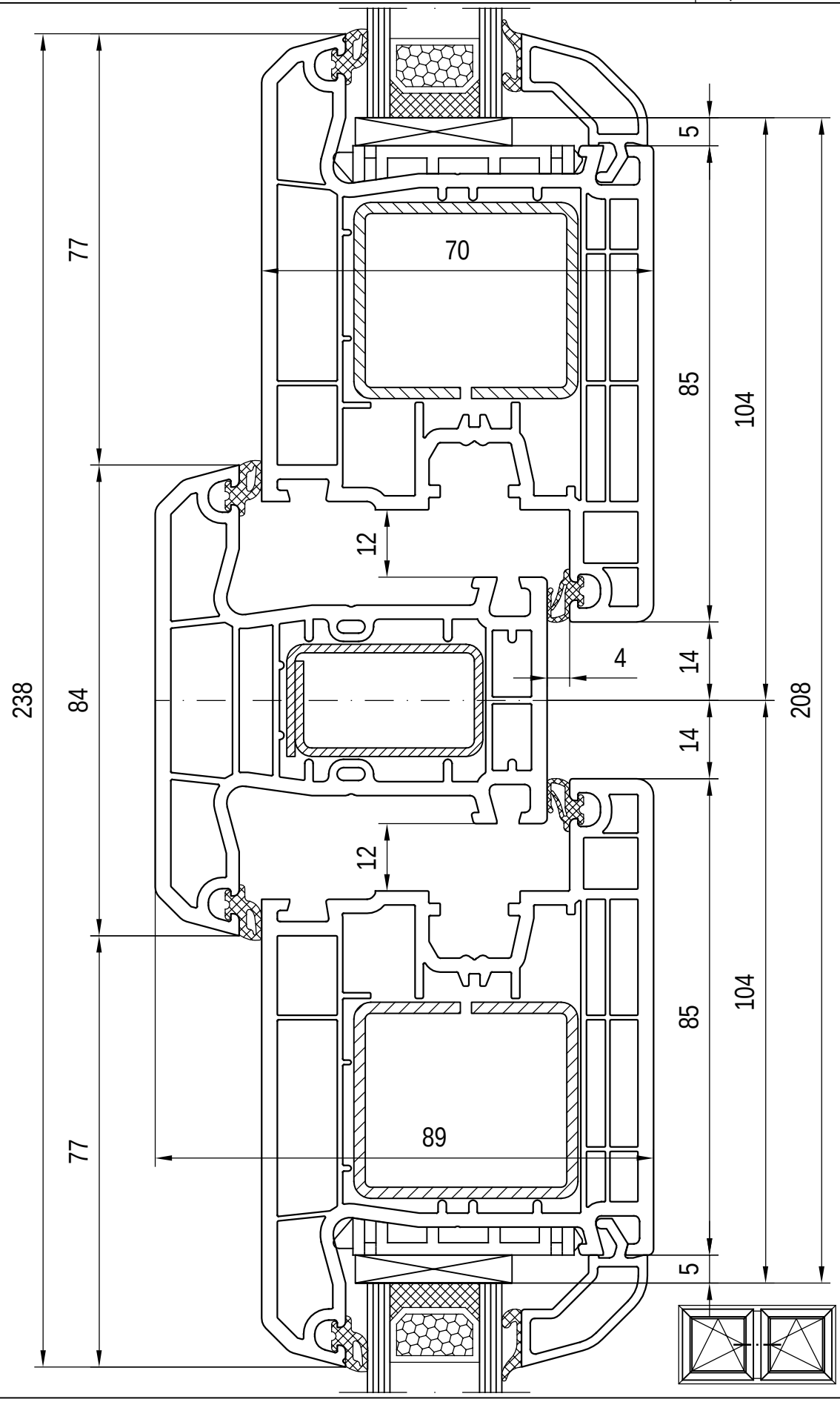

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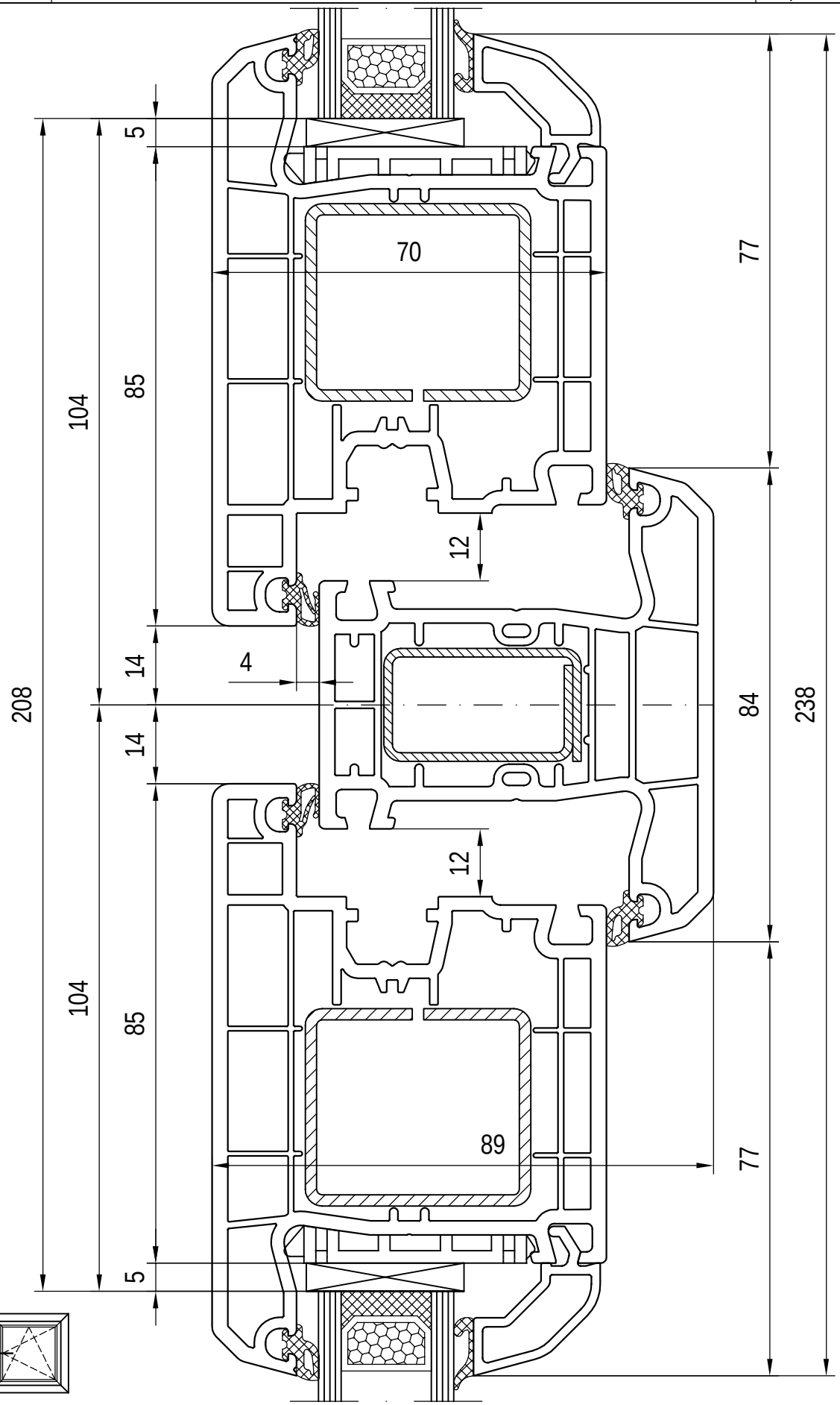

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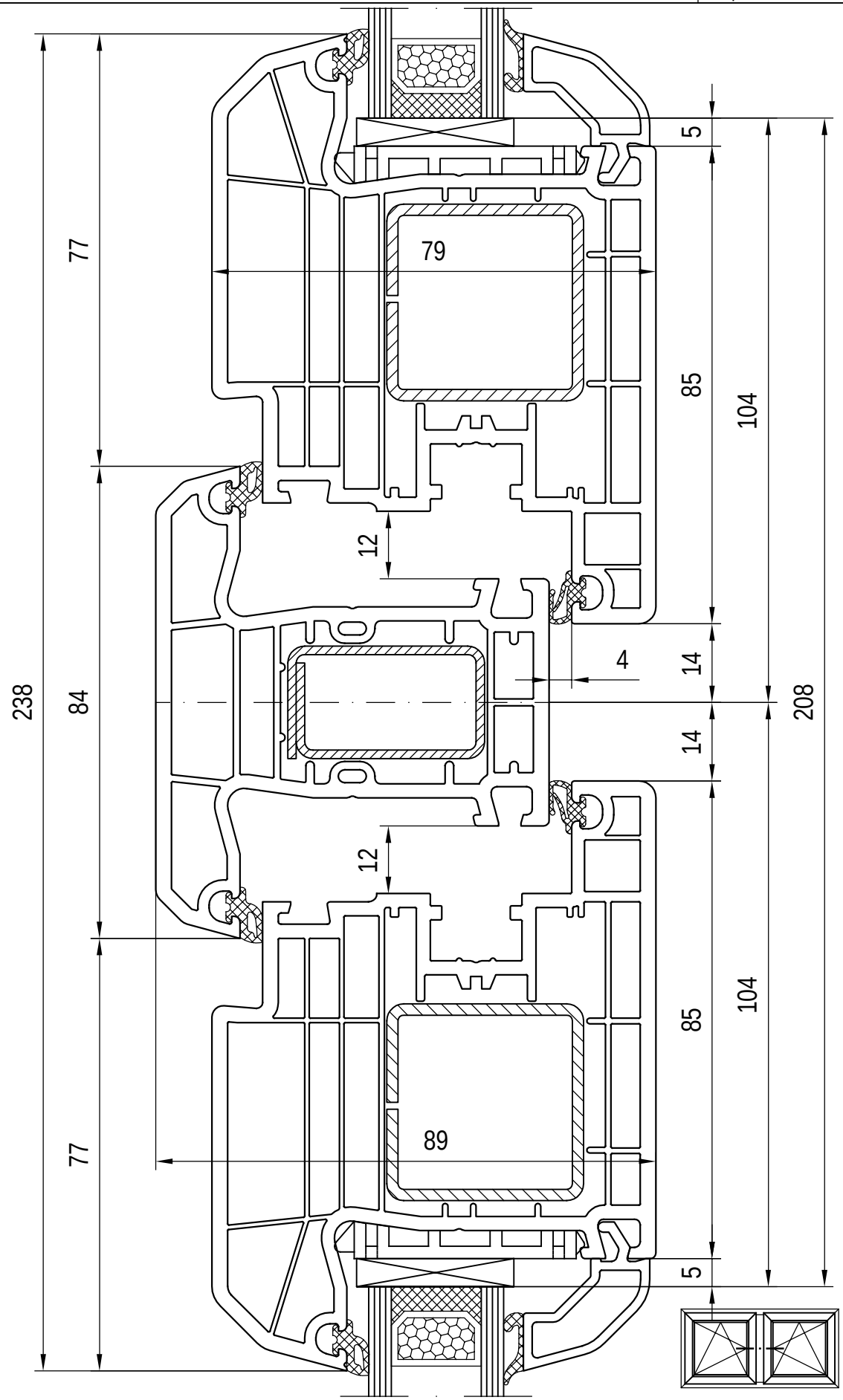

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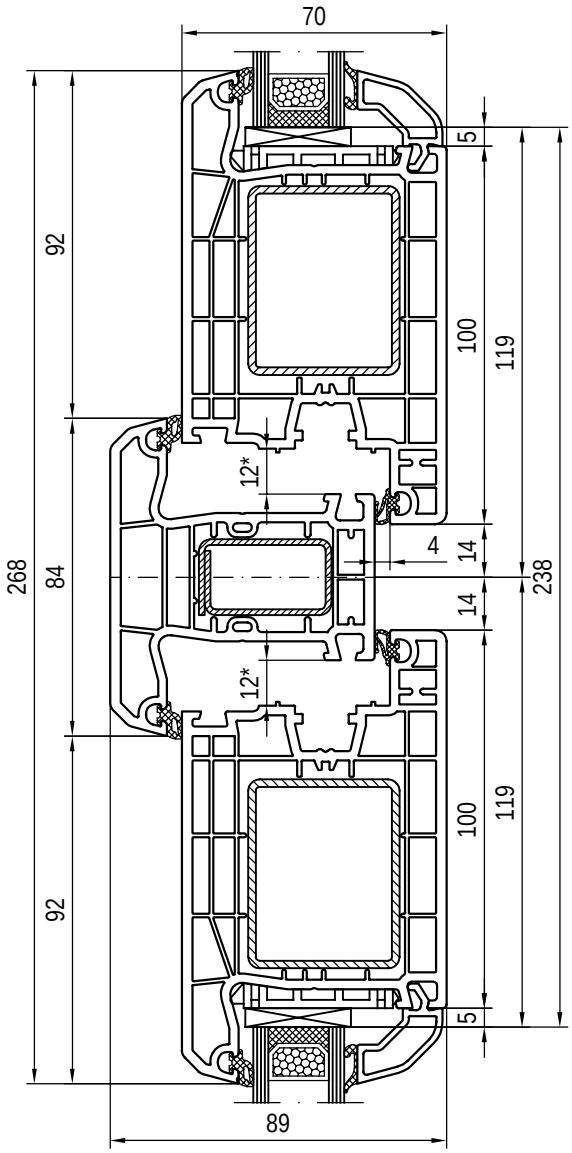

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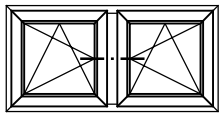

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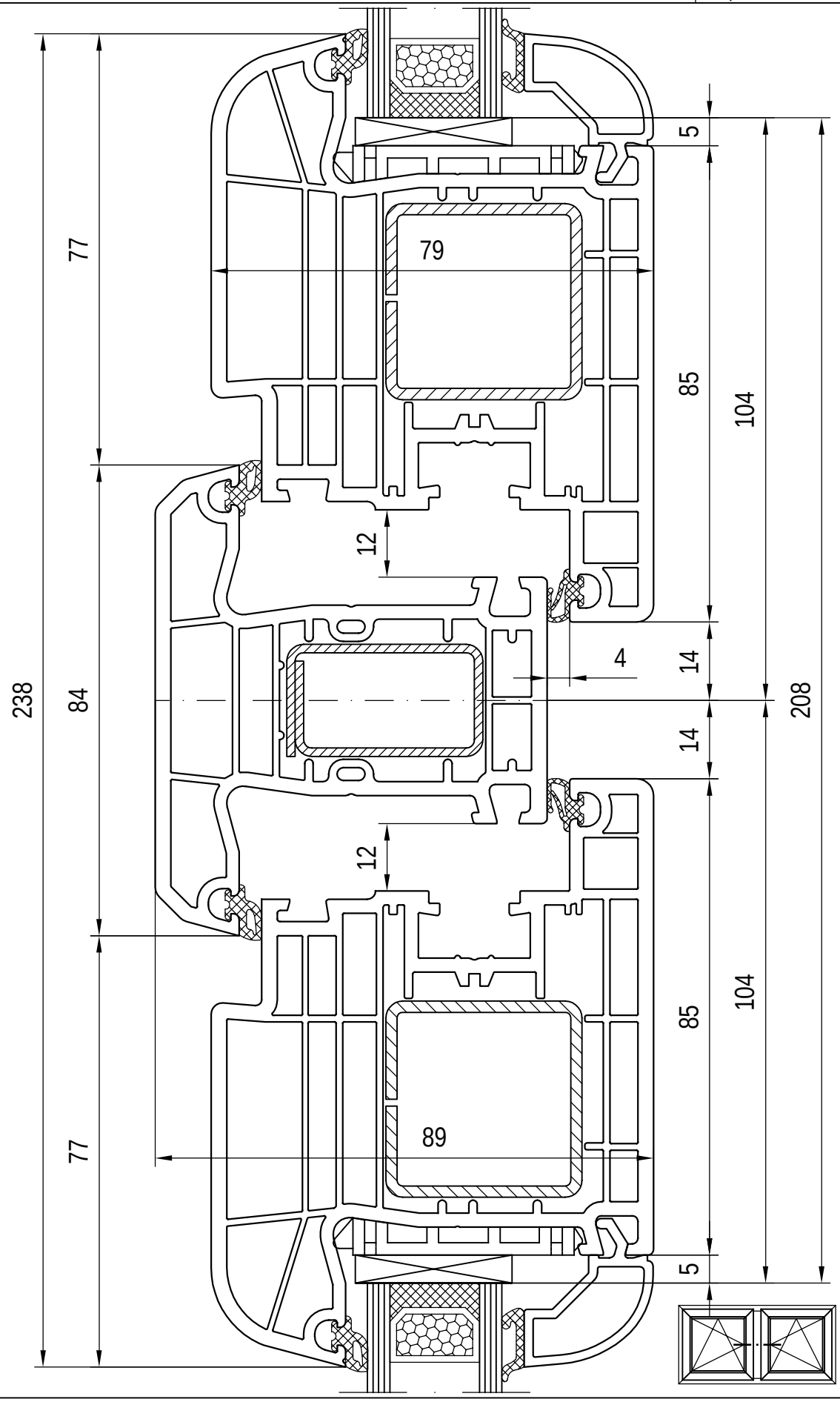

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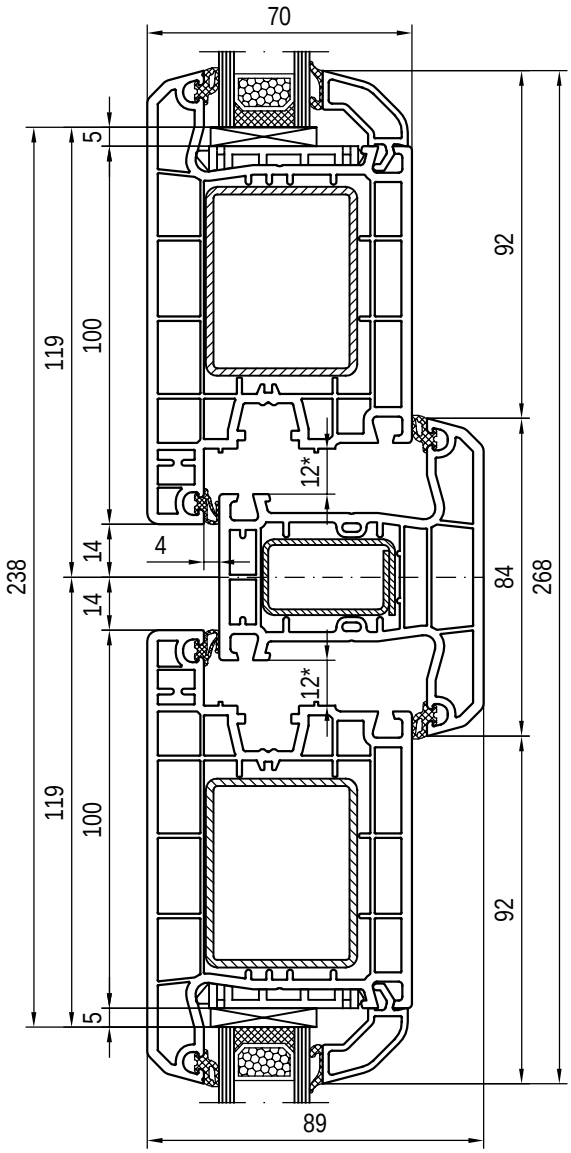

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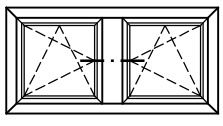




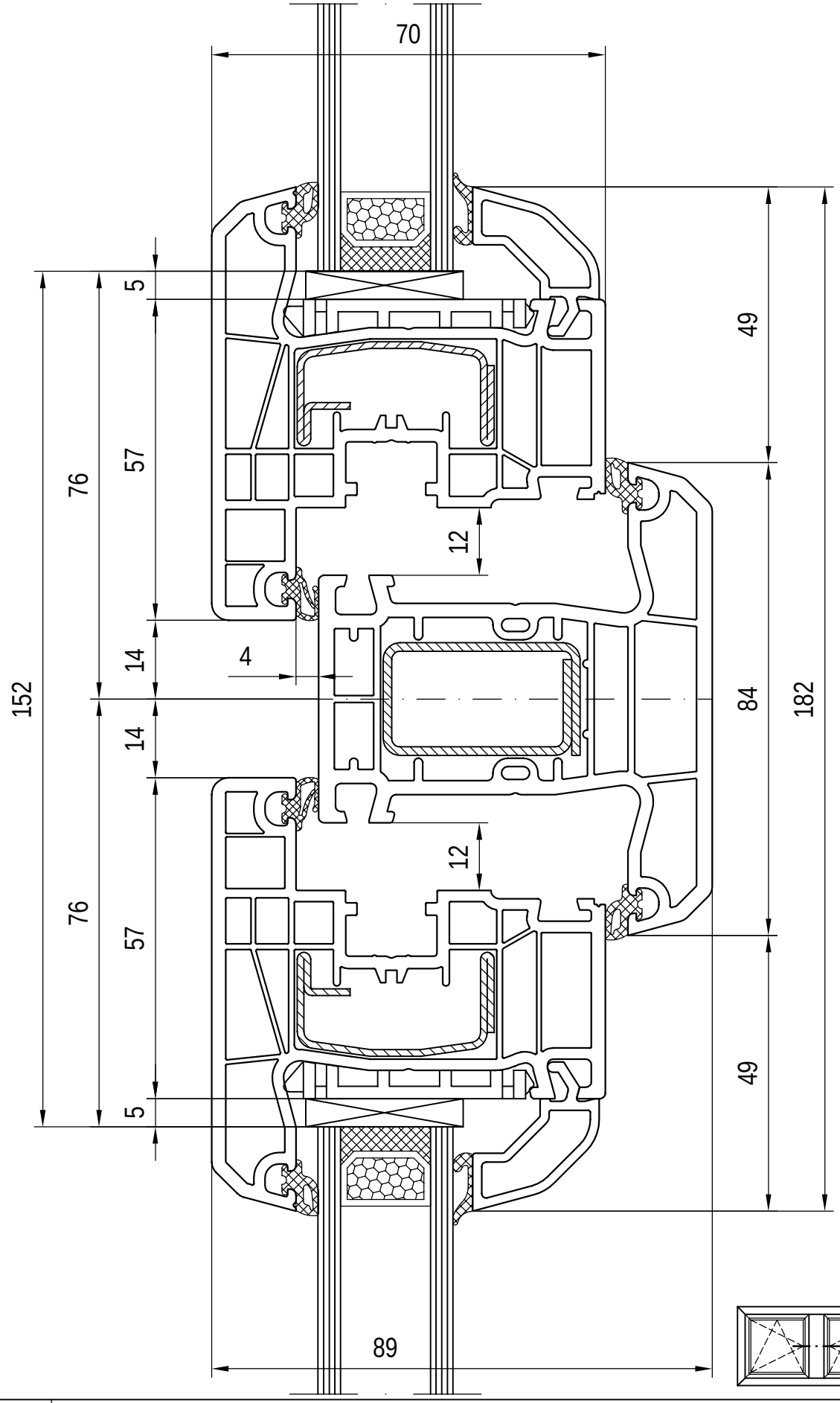
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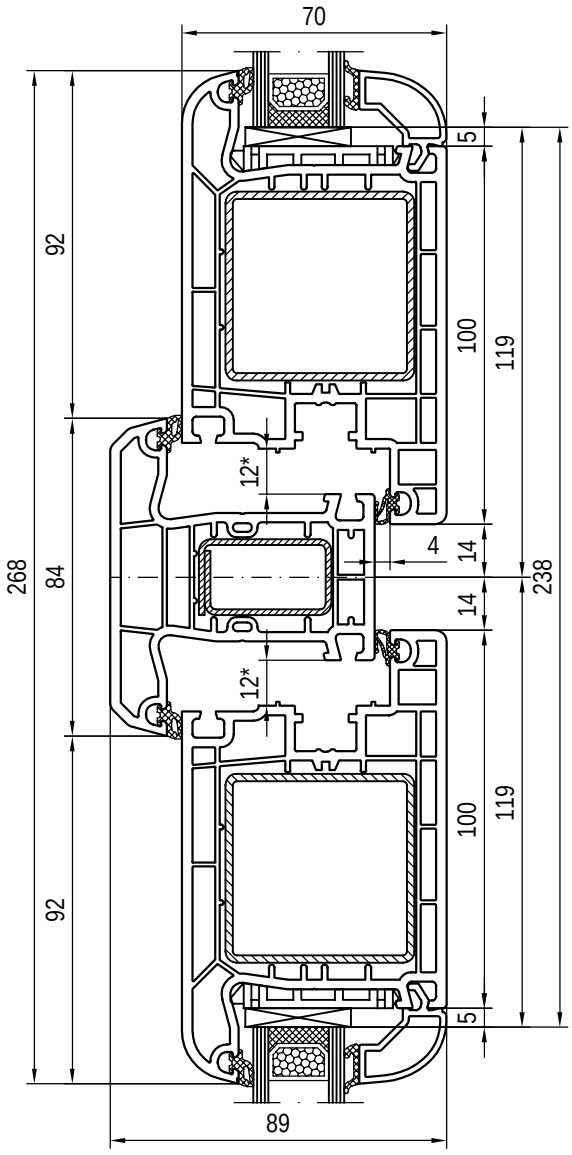

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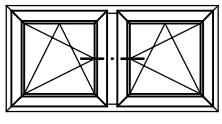




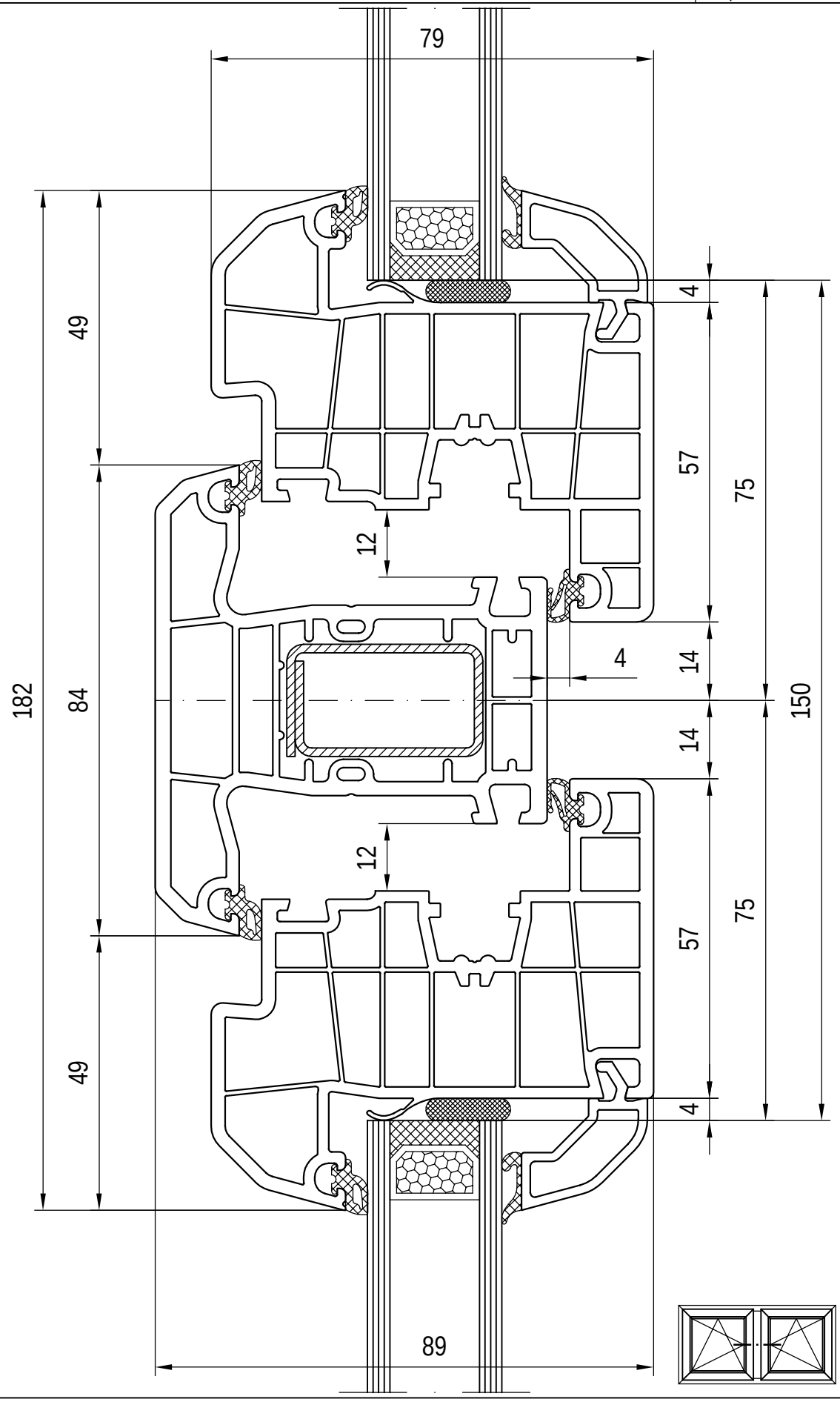
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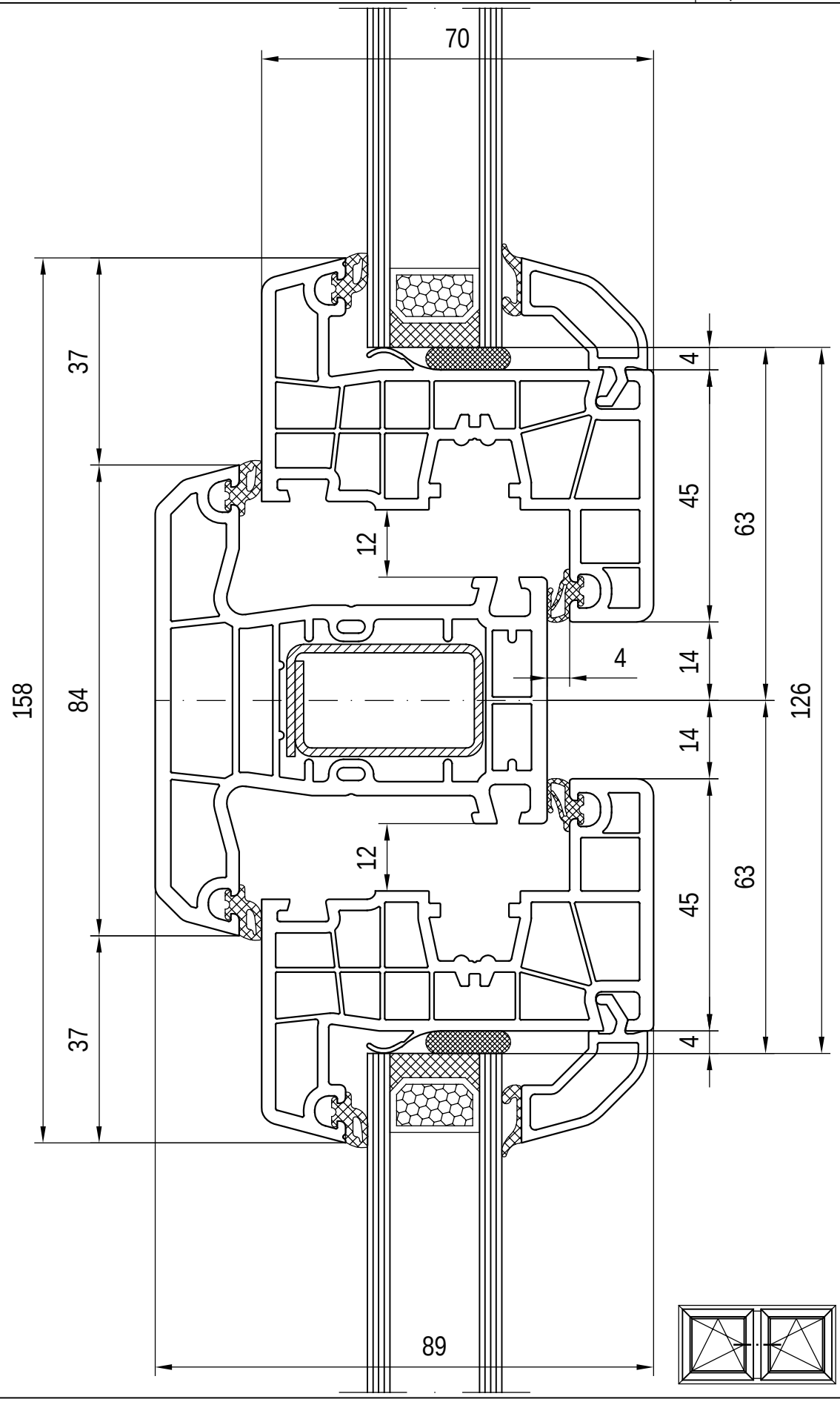

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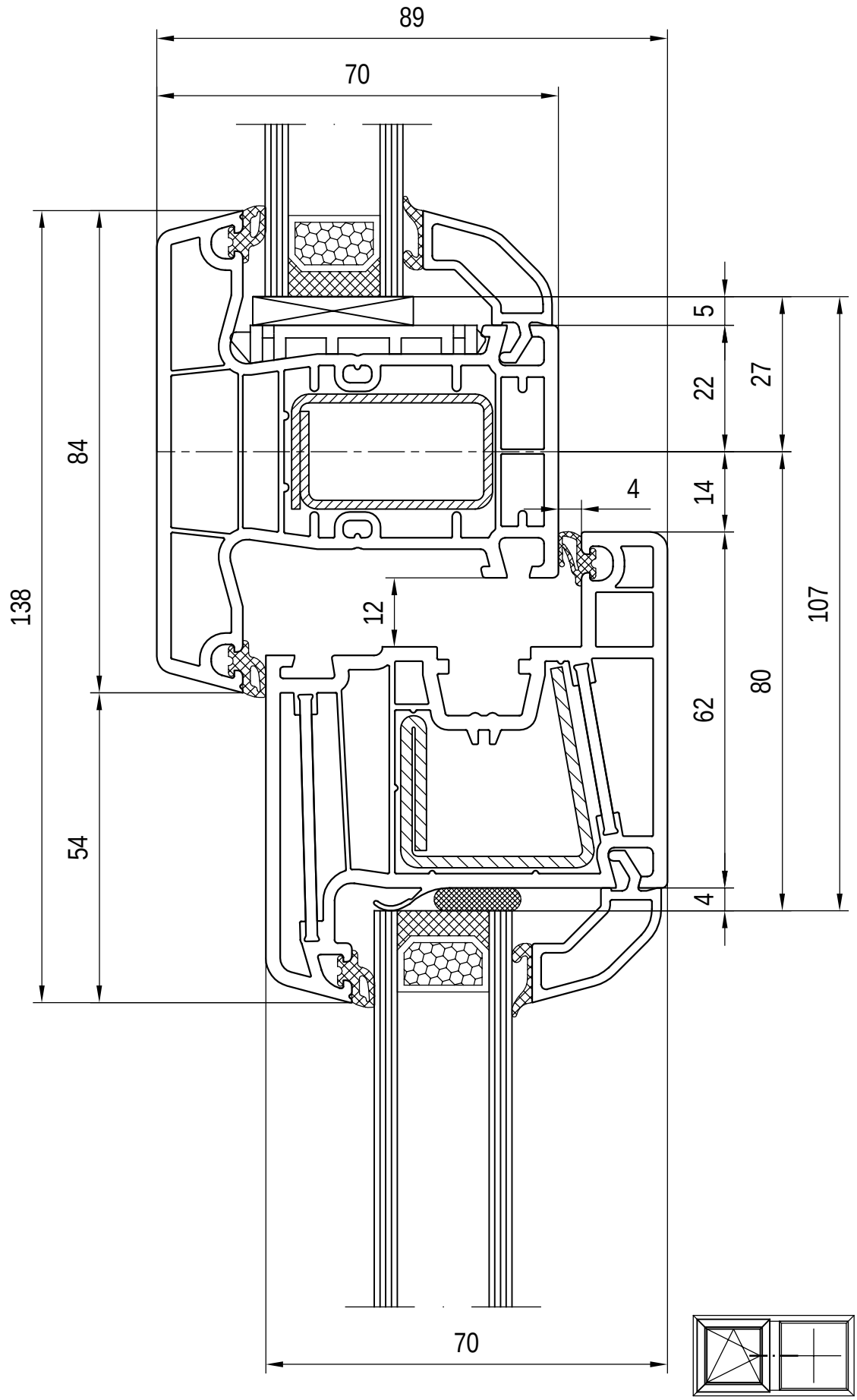


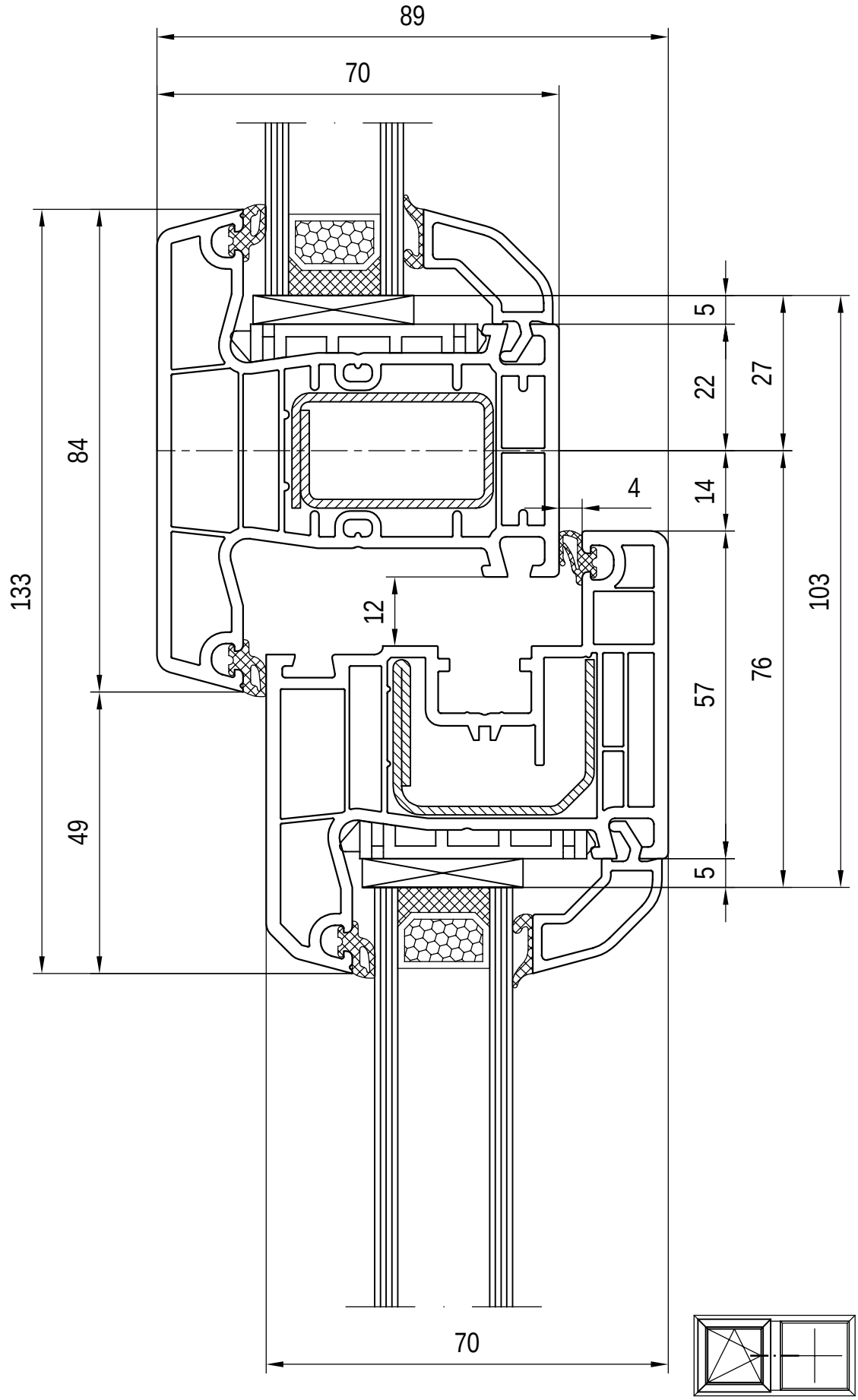


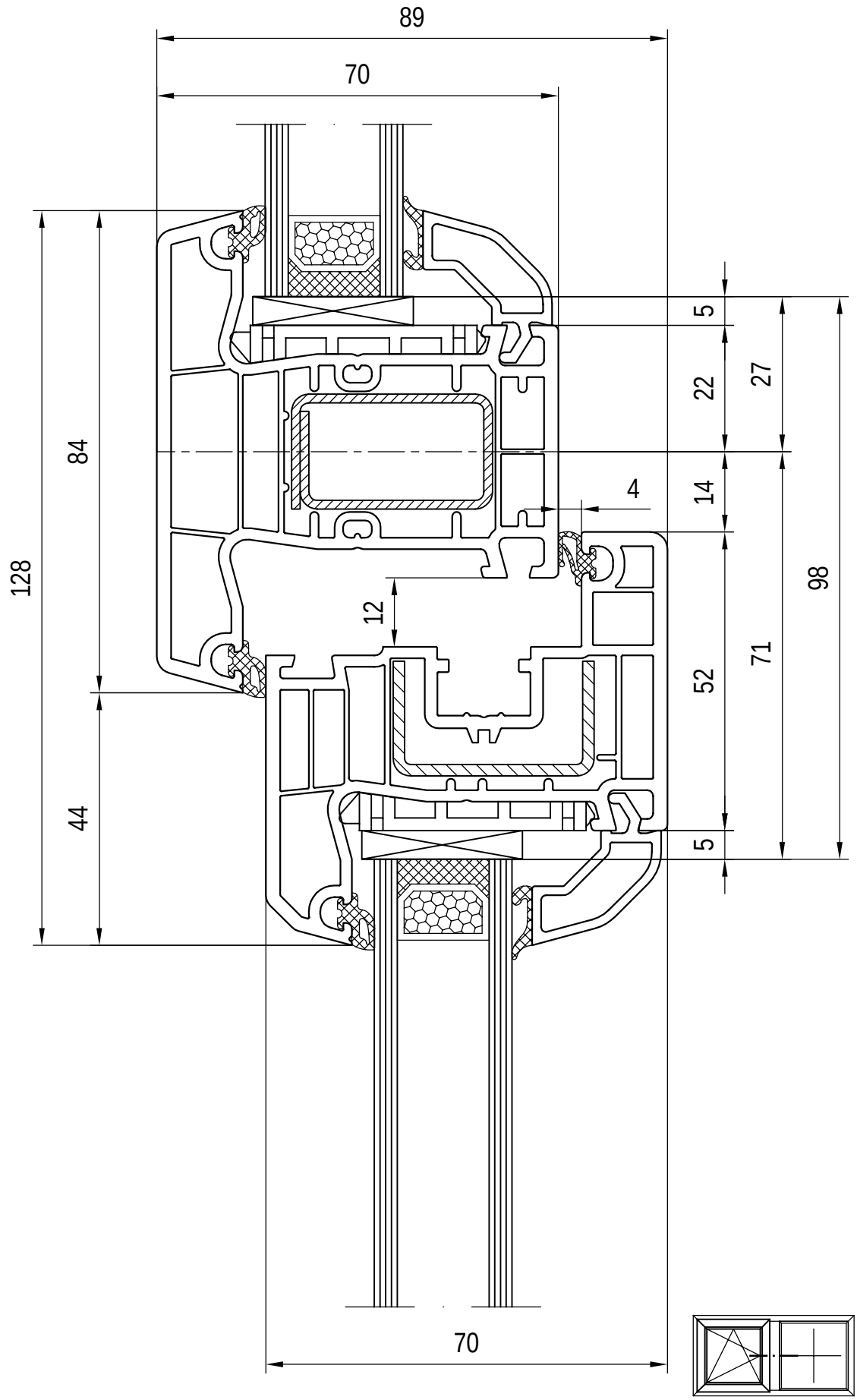
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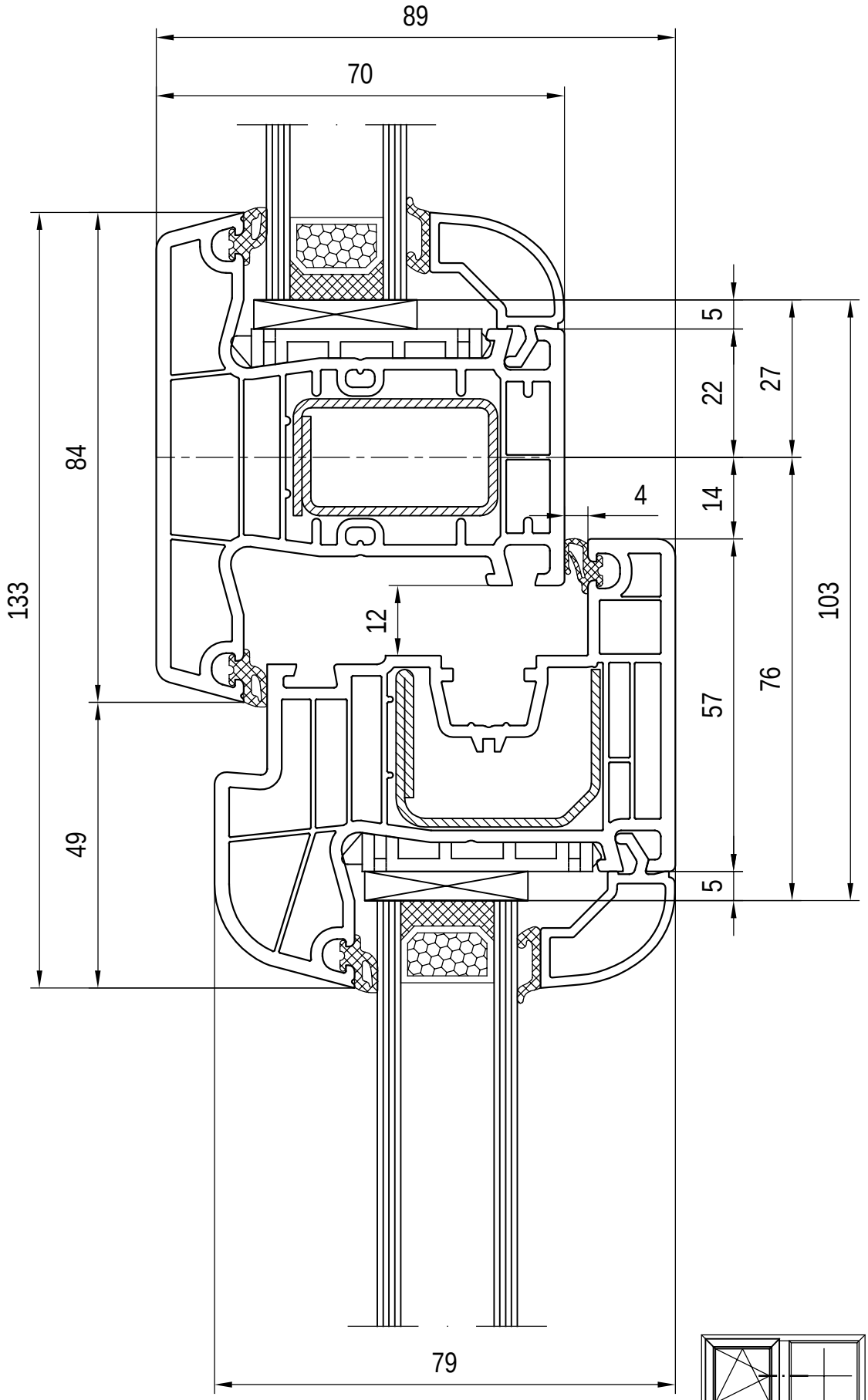

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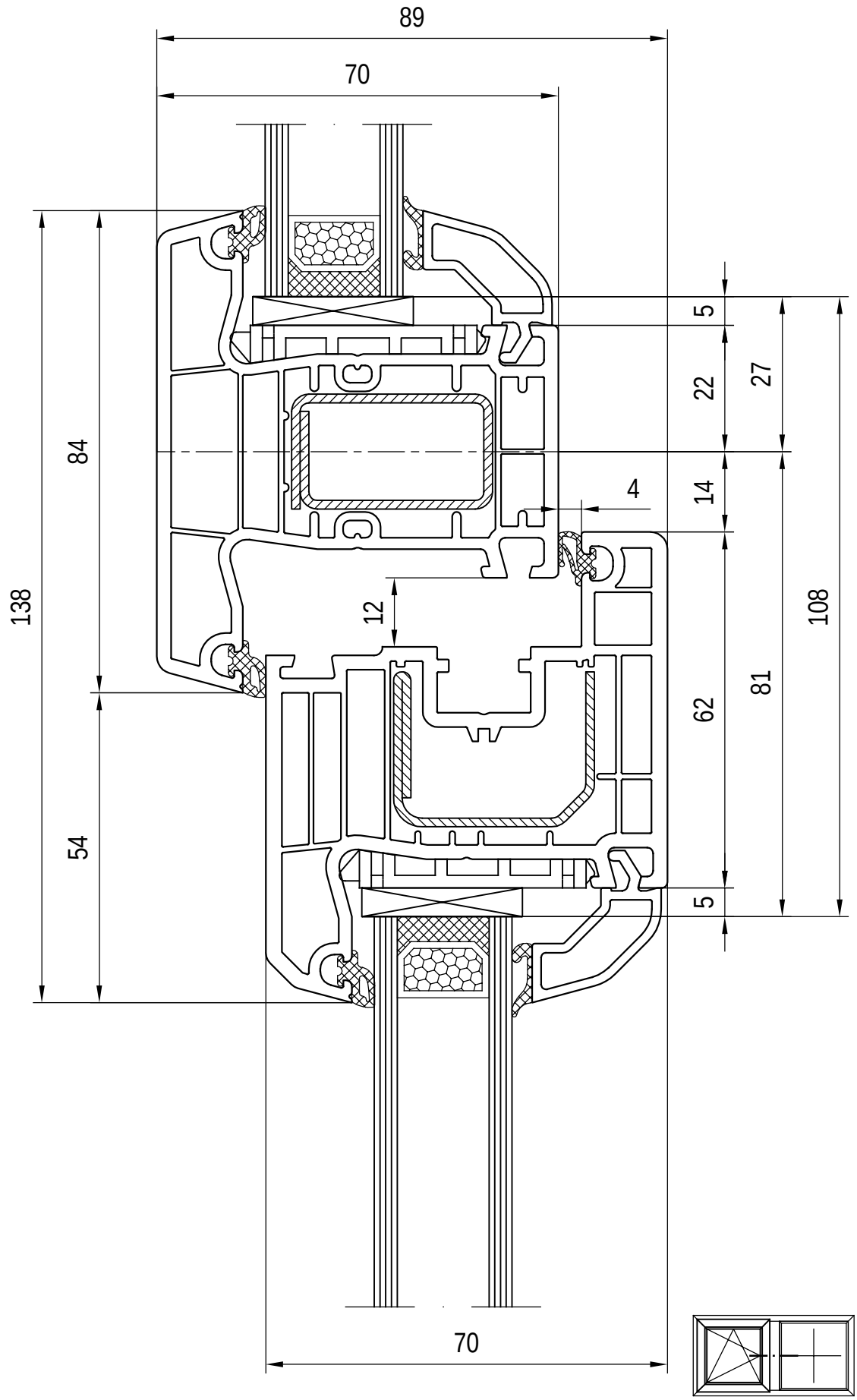

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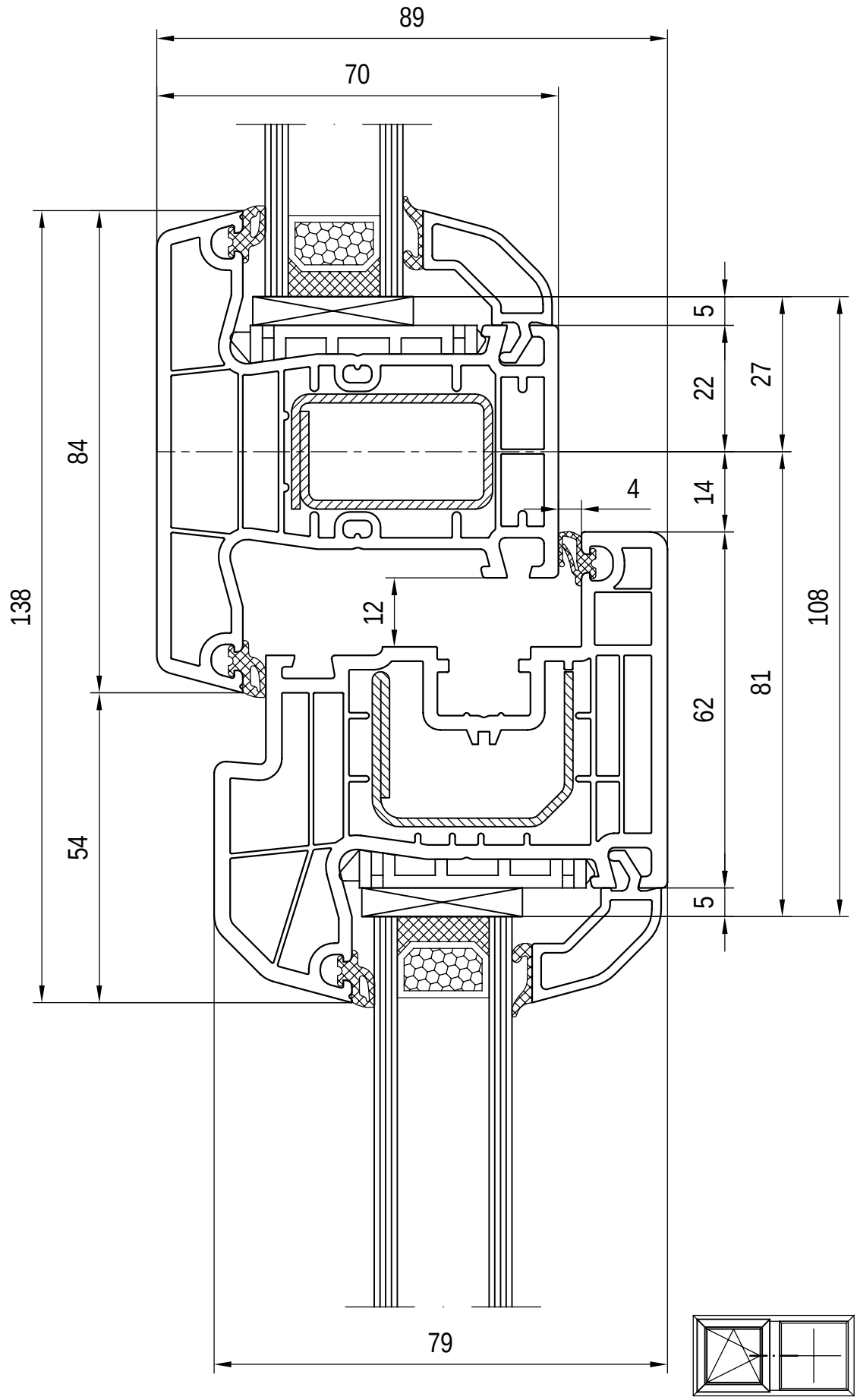

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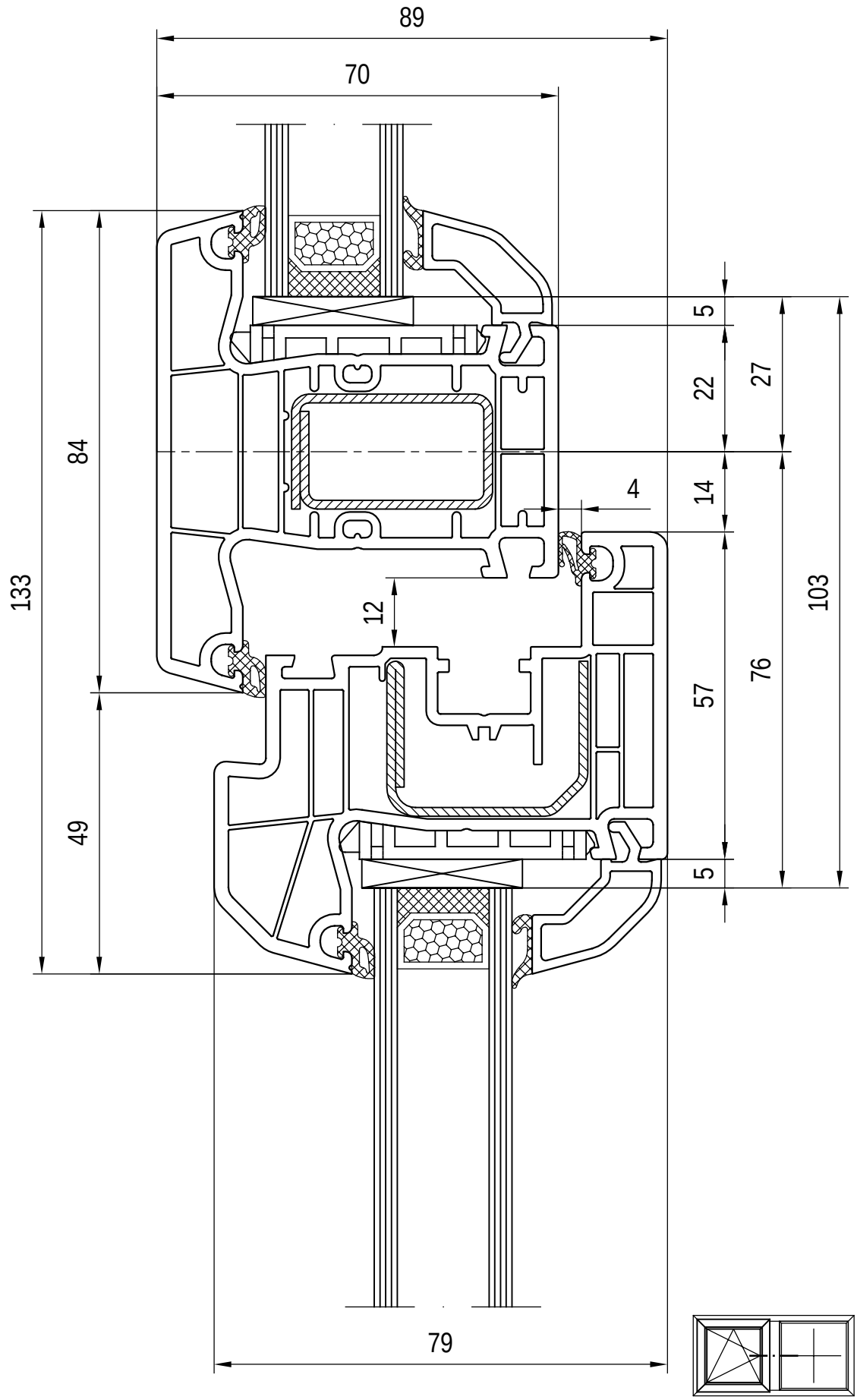

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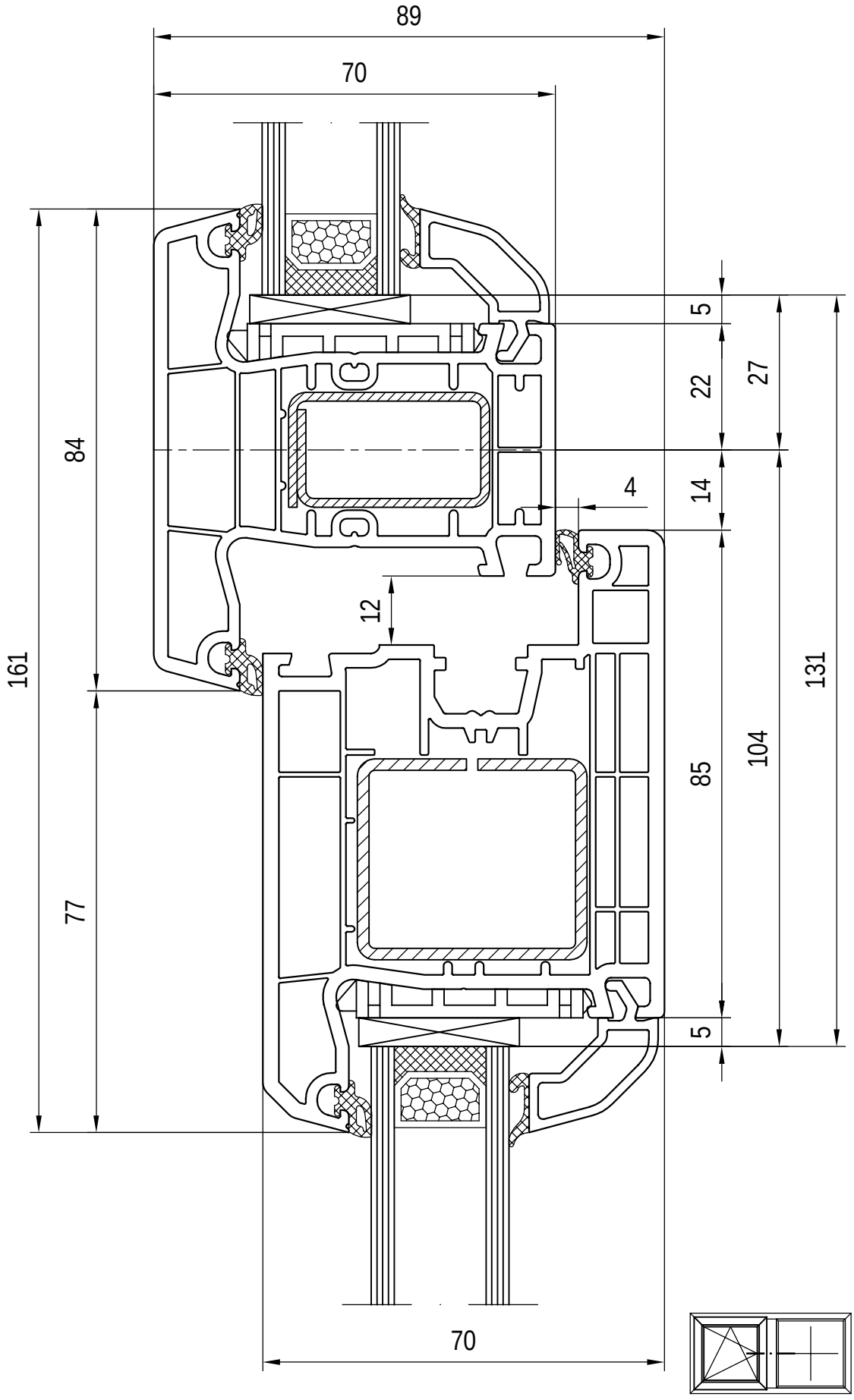

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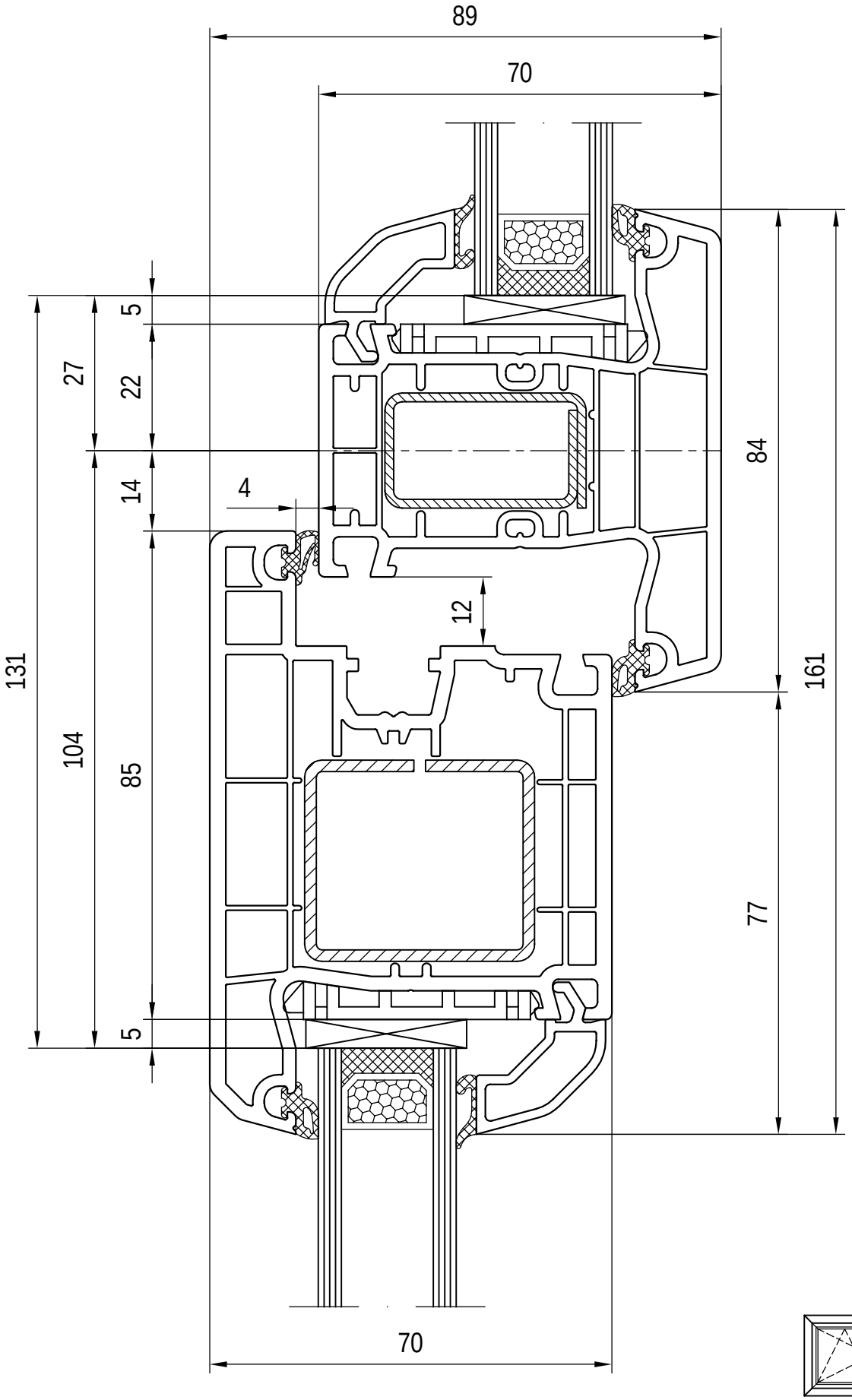

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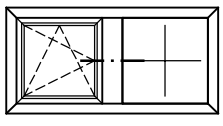

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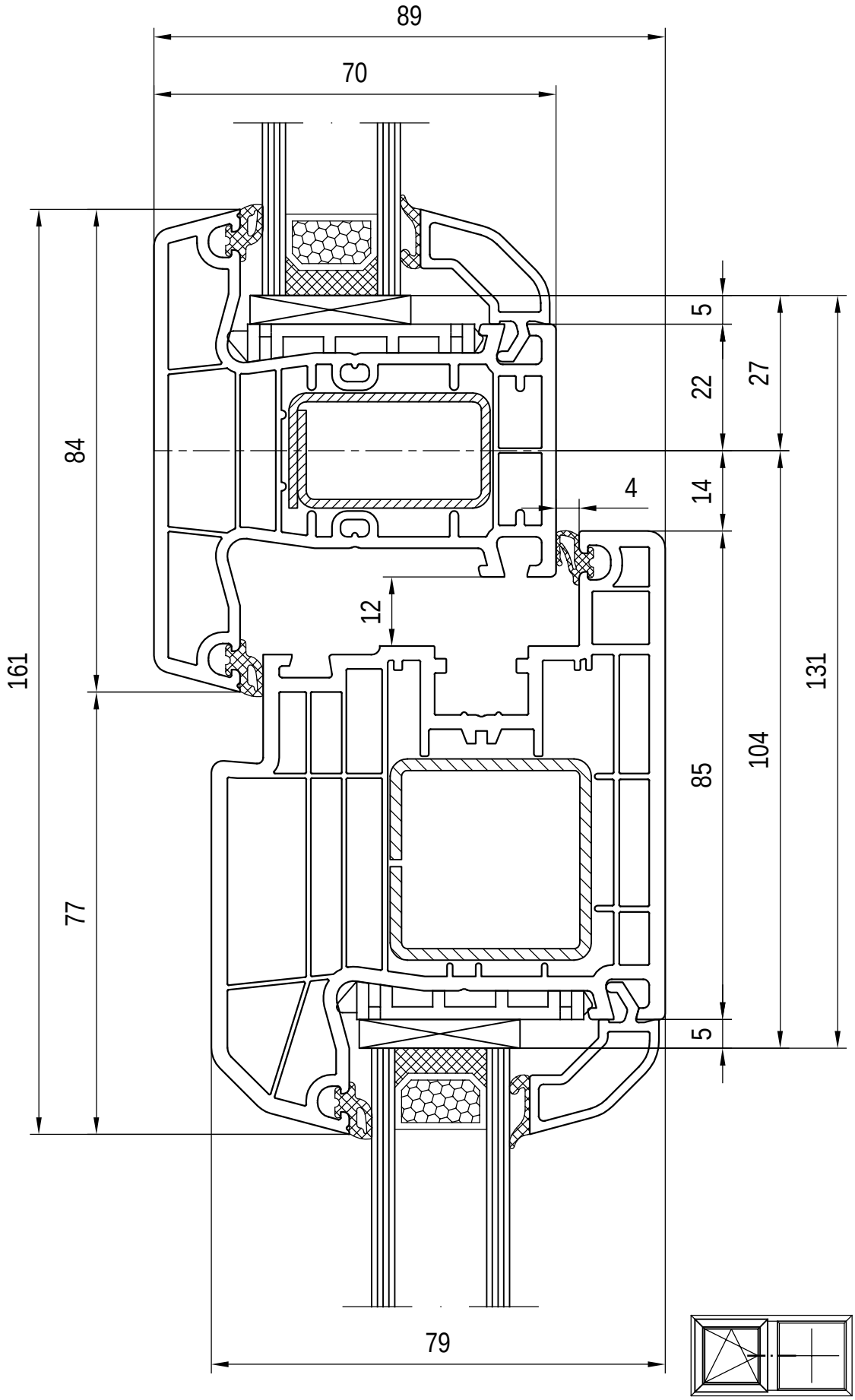

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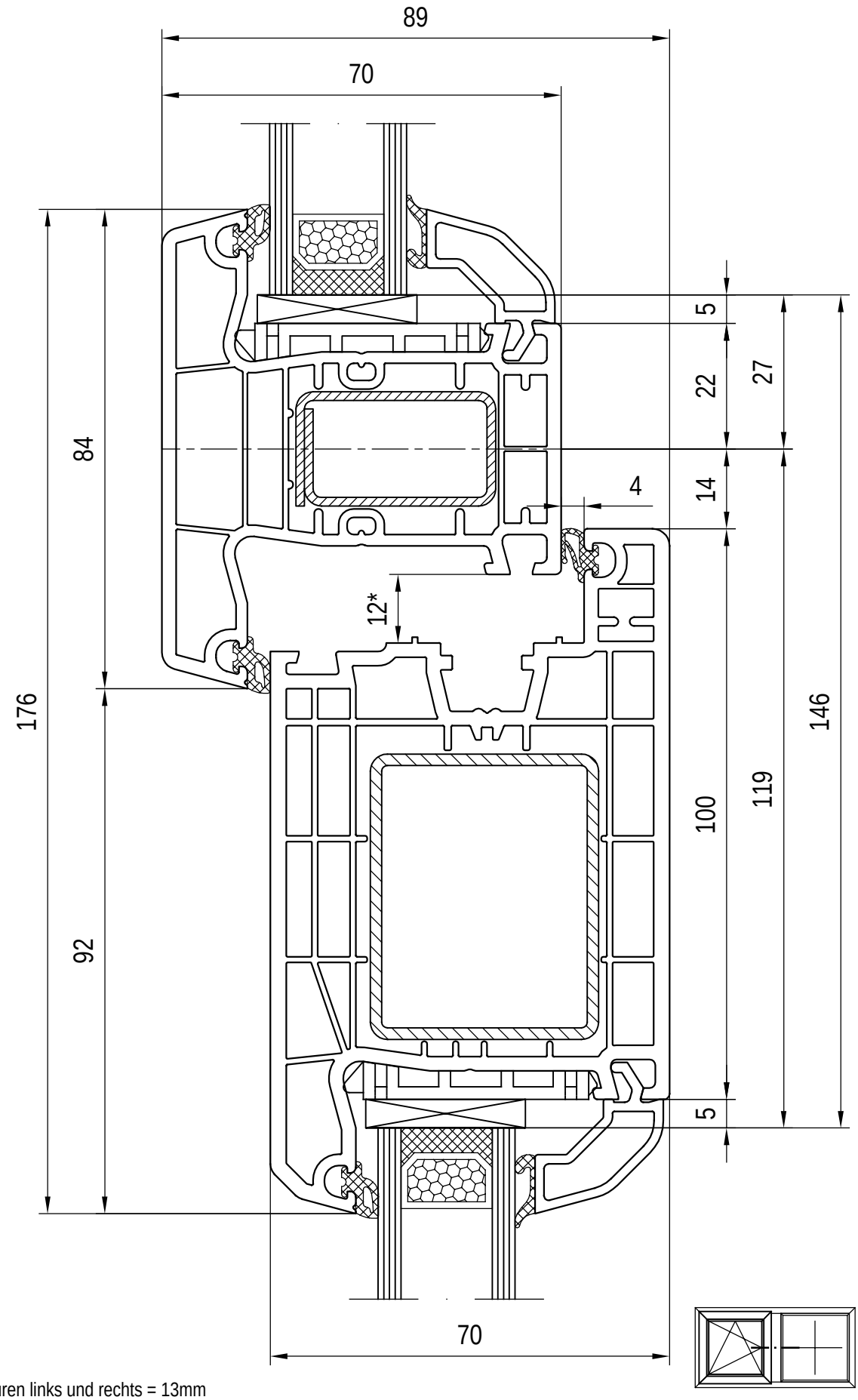

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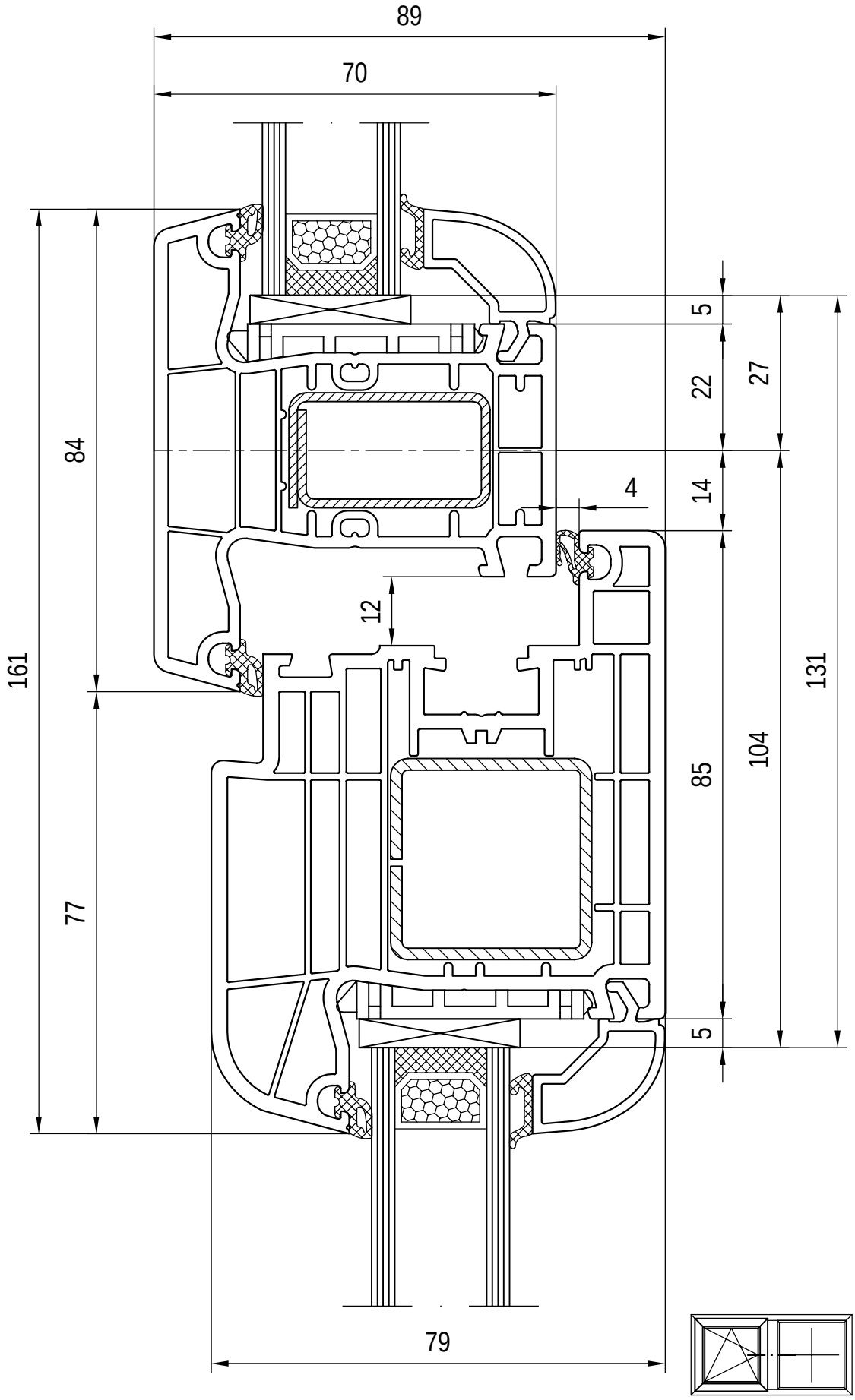

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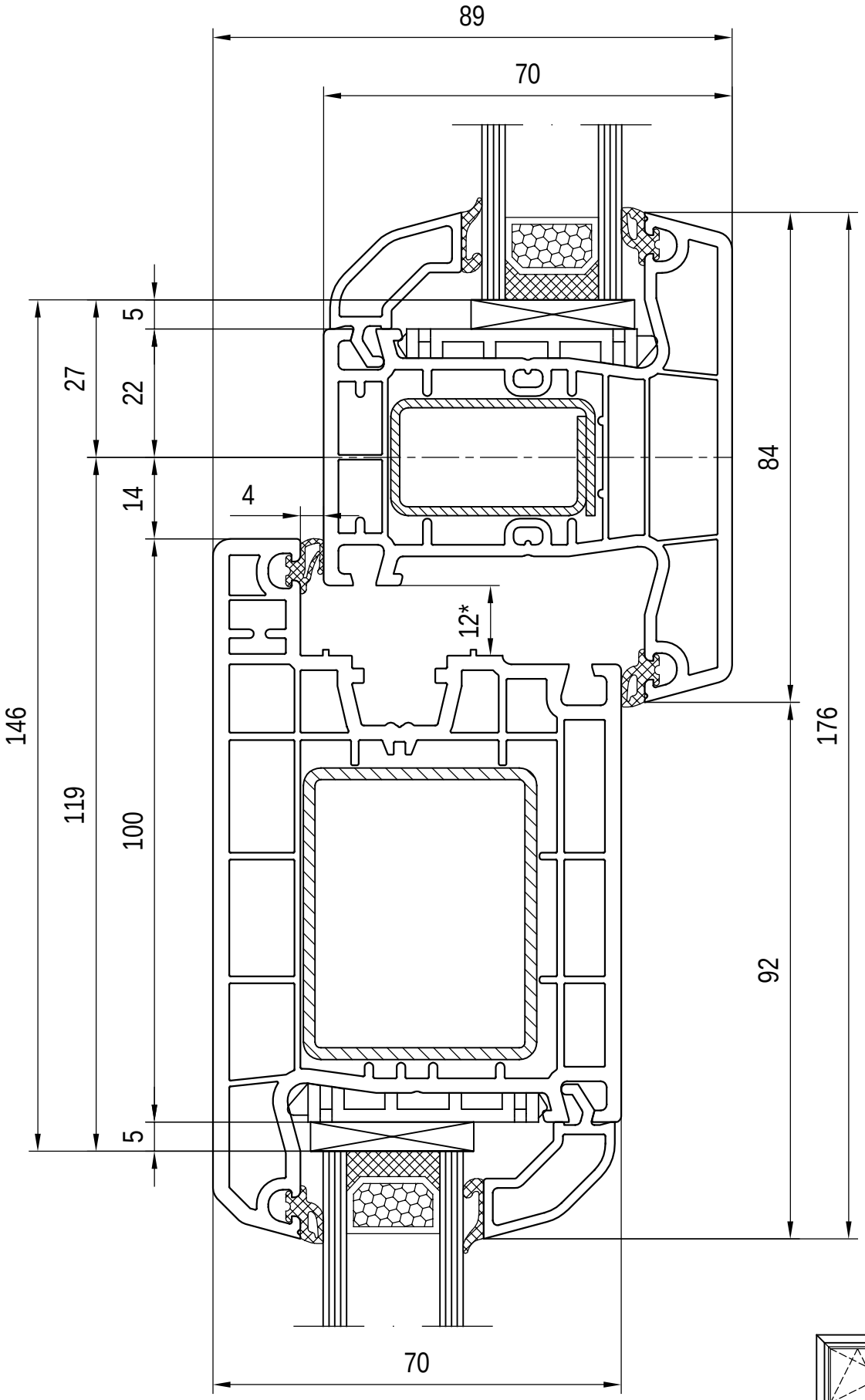


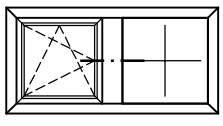

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* Falzluft bei Haustüren links und rechts = 13mm


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* Falzluft bei Haustüren links und rechts = 13mm

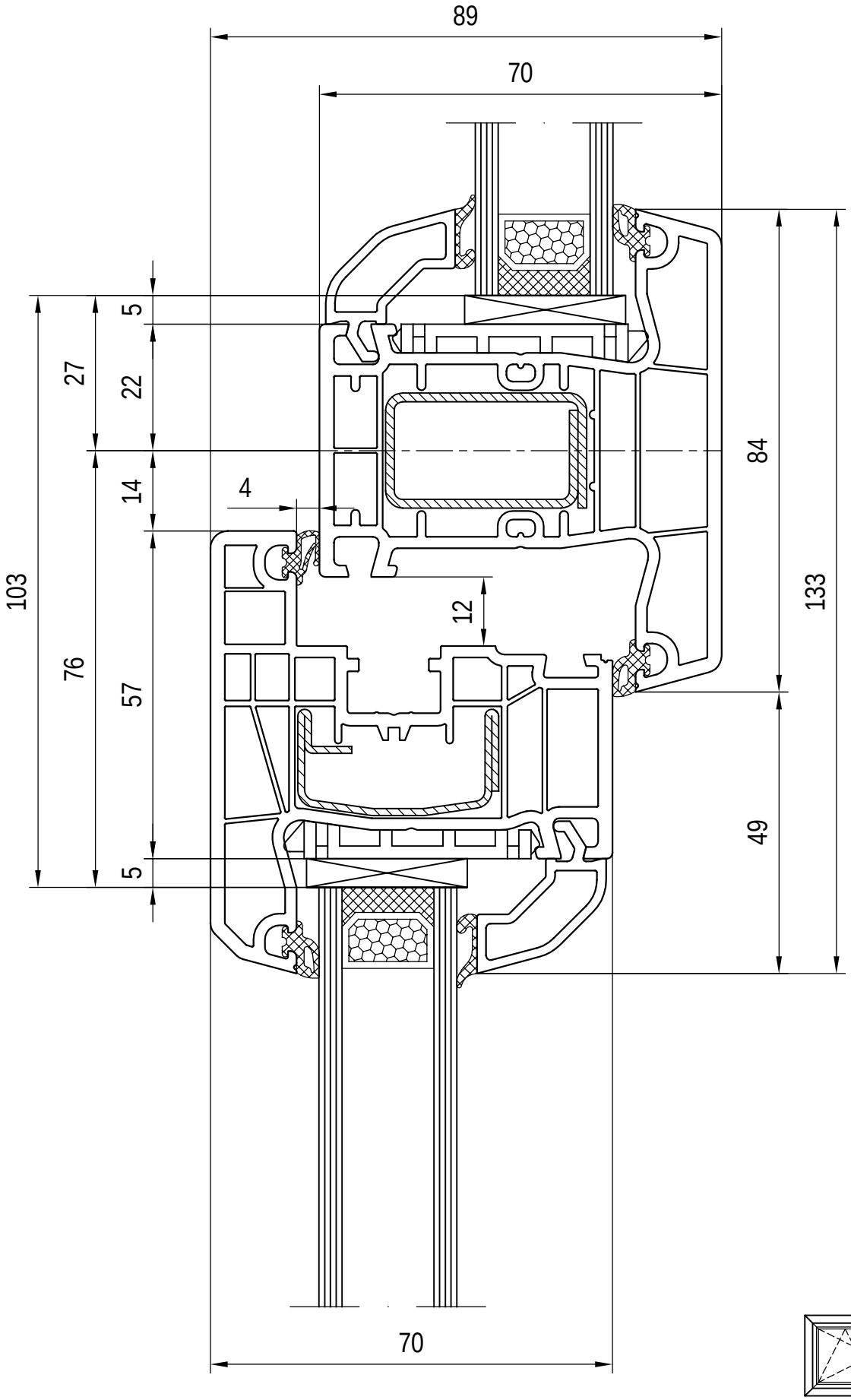
Technische Änderungen und Irrtümer vorbehalten!

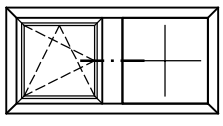
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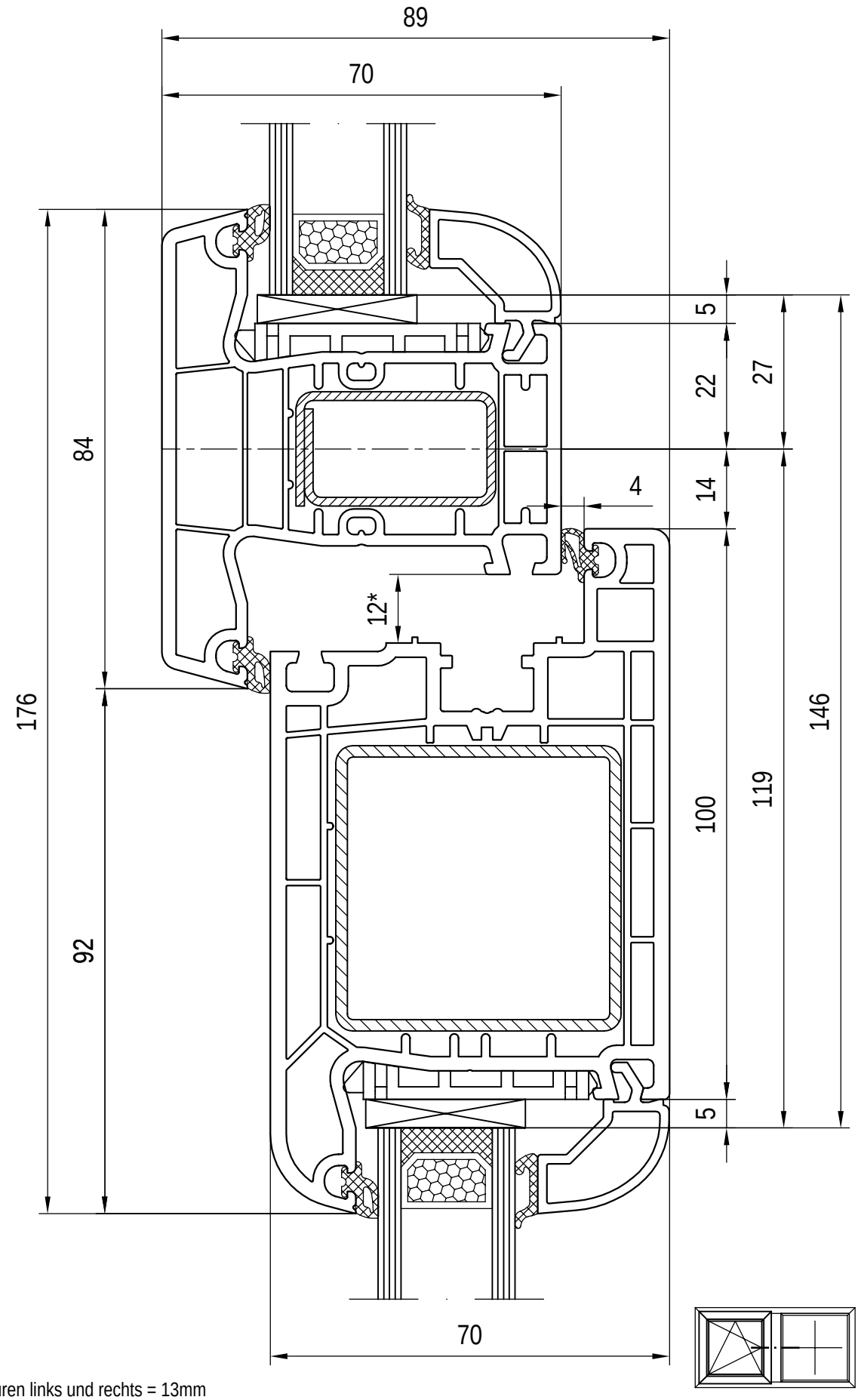
Kombinationen: Flügel - Pfosten - Festverglasung

Glasleiste 120846/120876

Pfosten 140x41
Flügel 140x35


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* Falzluft bei Haustüren links und rechts = 13mm

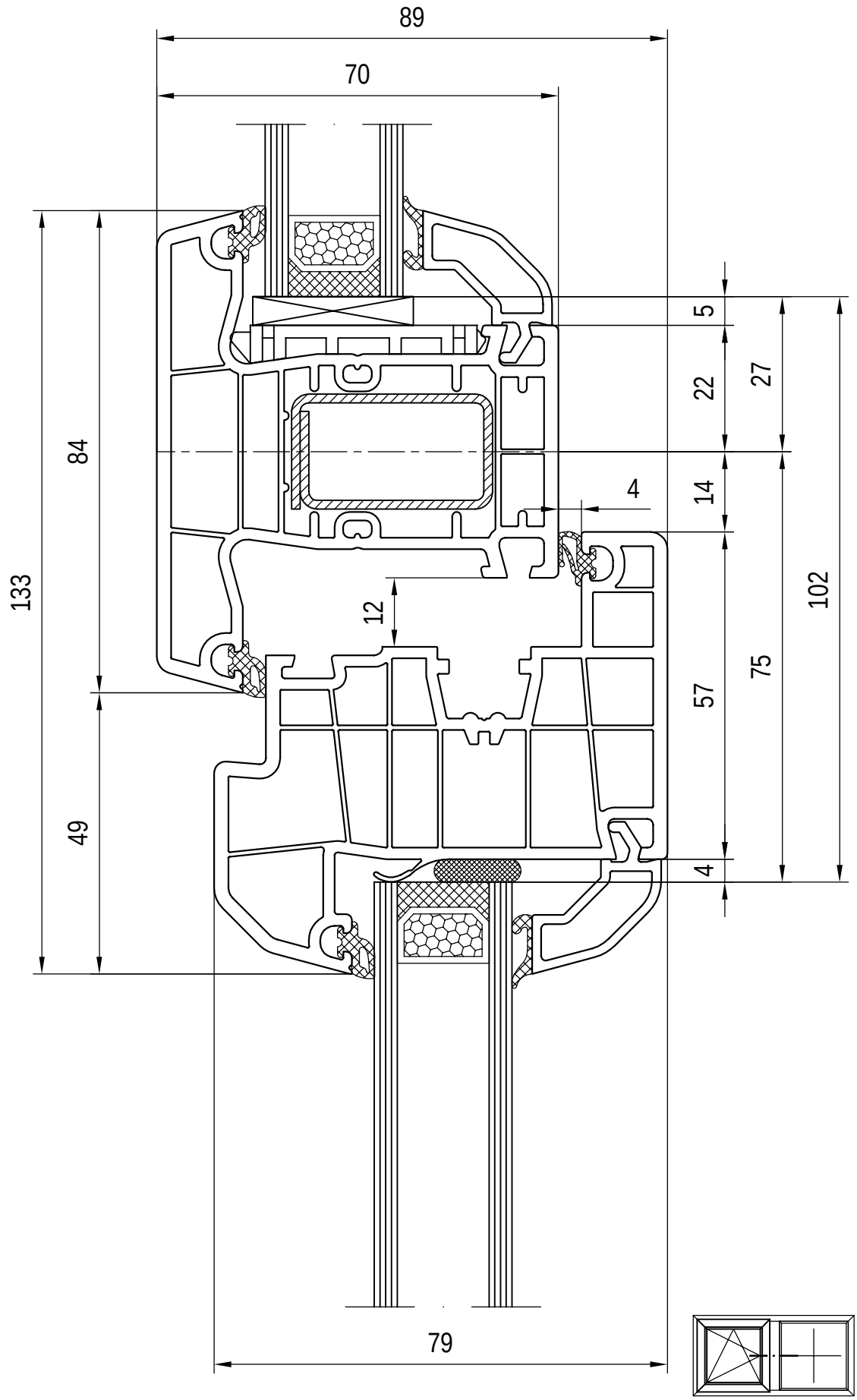
Technische Änderungen und Irrtümer vorbehalten!

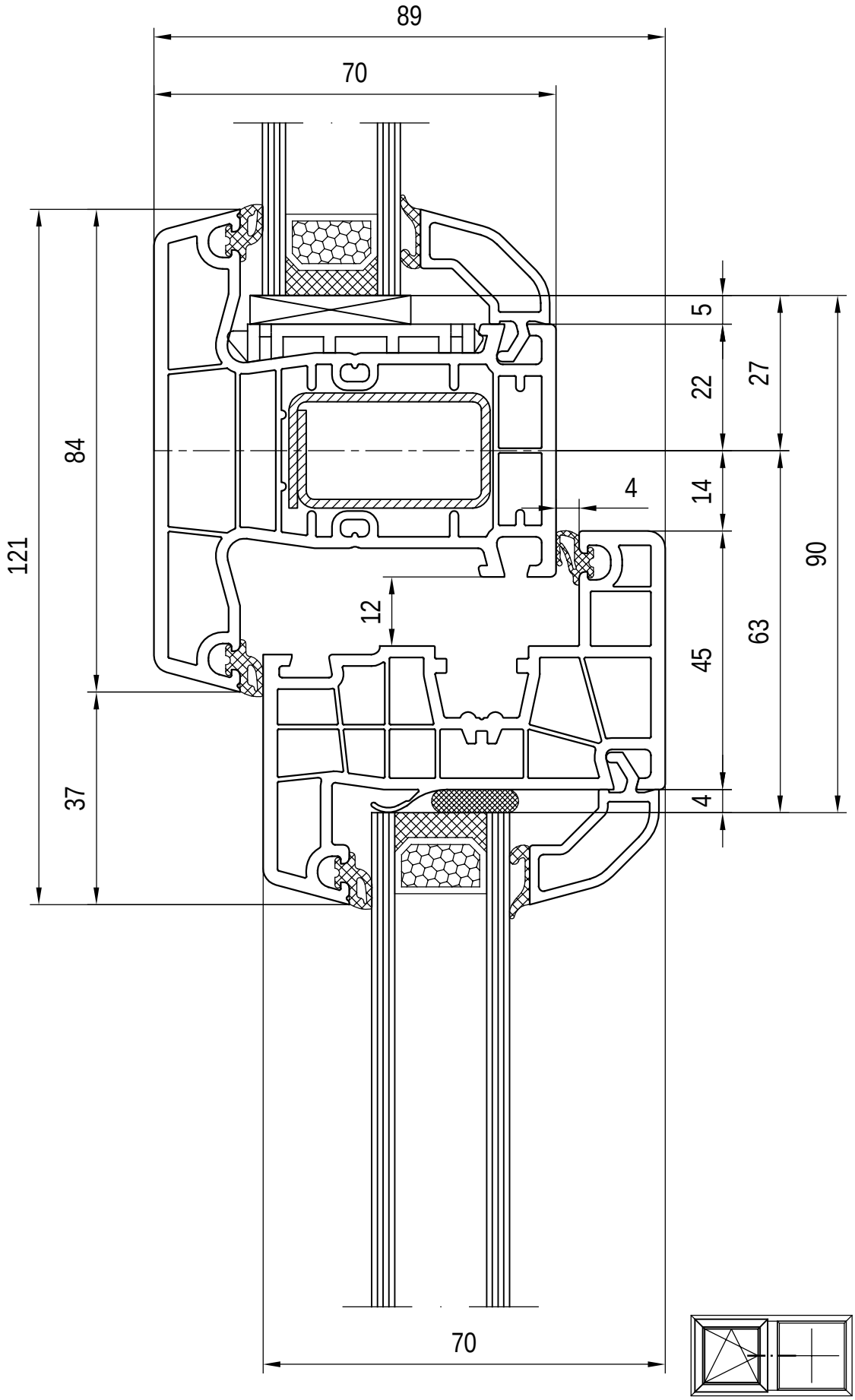
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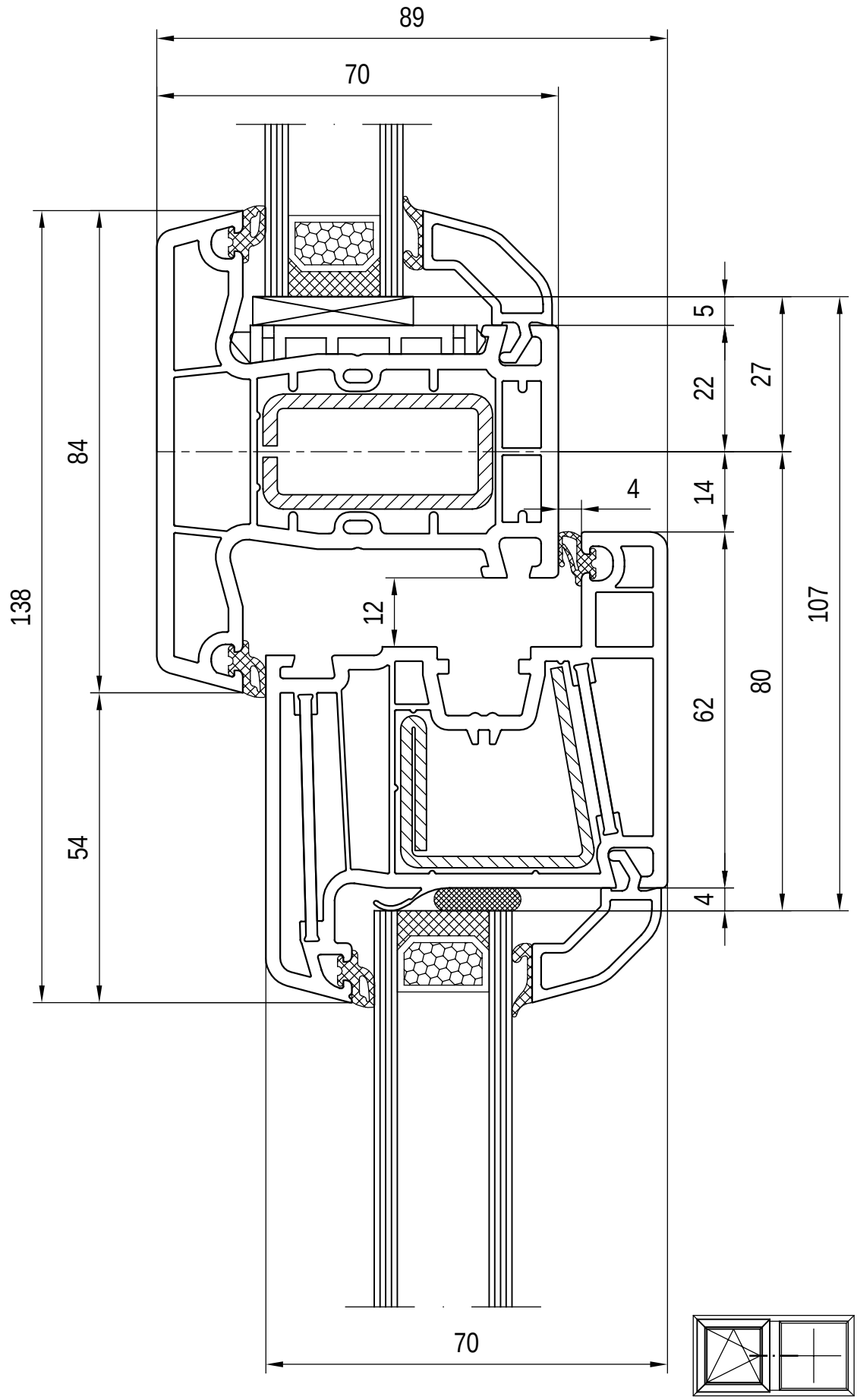
Kombinationen: Flügel - Pfosten - Festverglasung

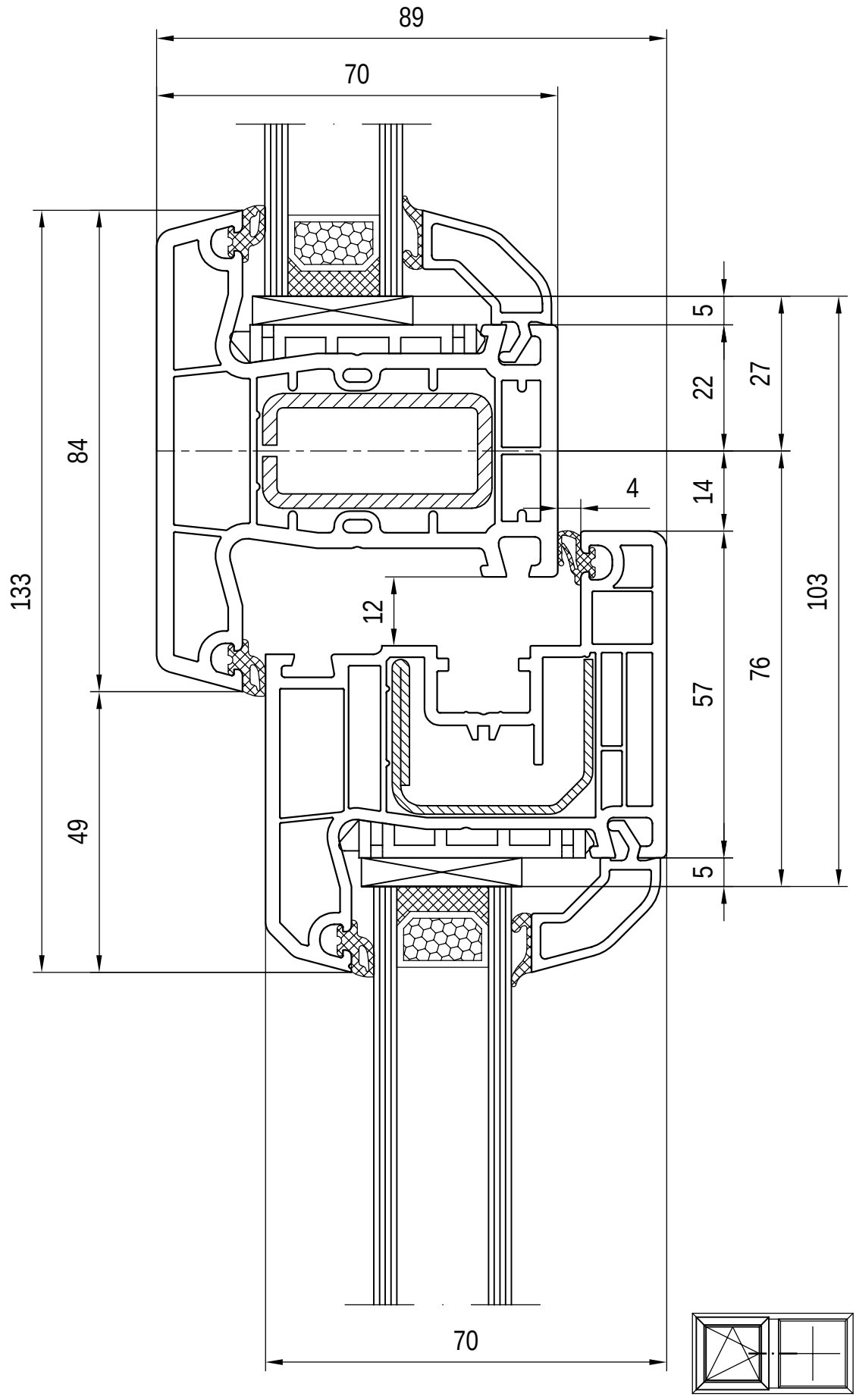
Glasleiste 120850/120880

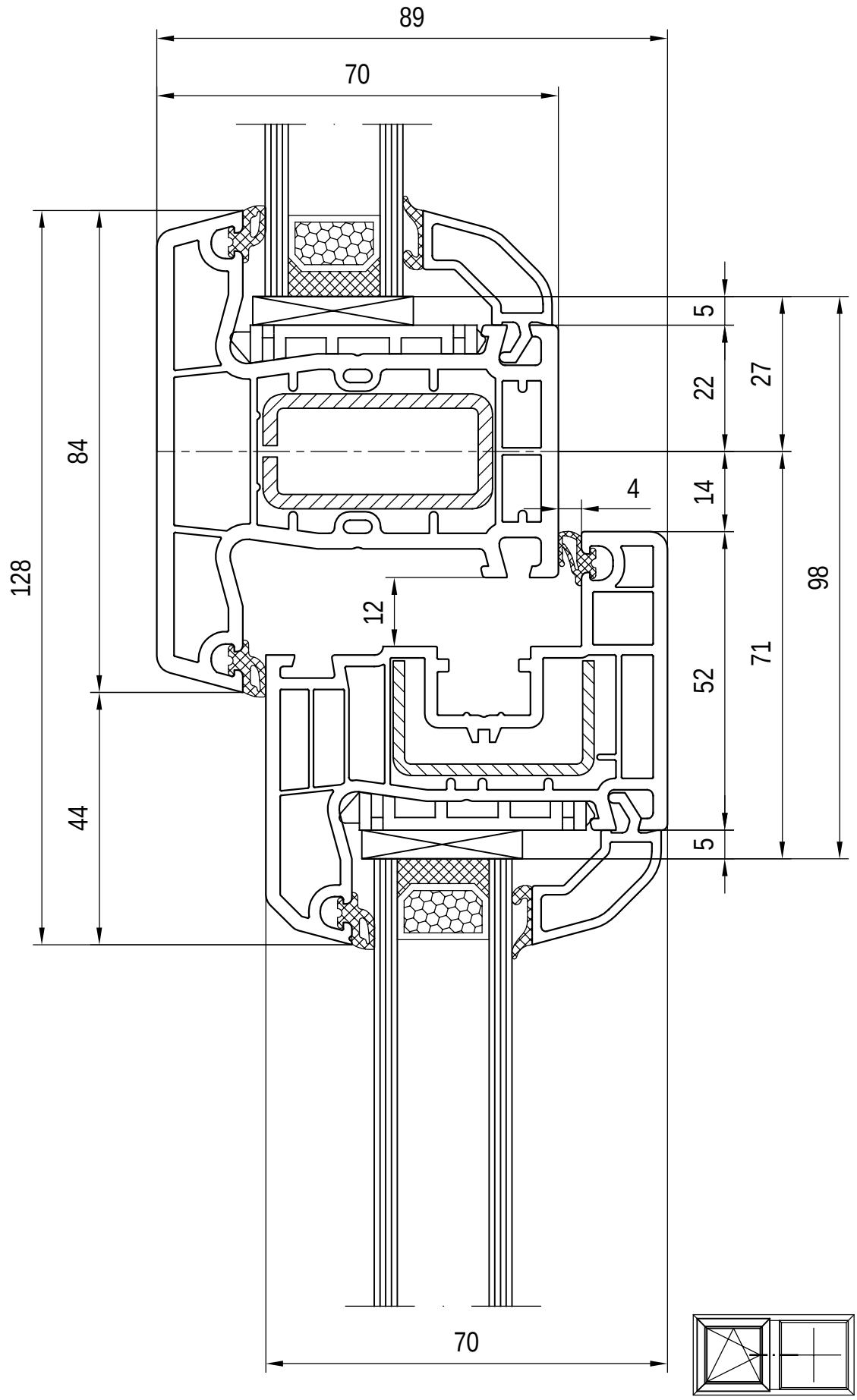
Pfosten 140x41
Flügel 140x38

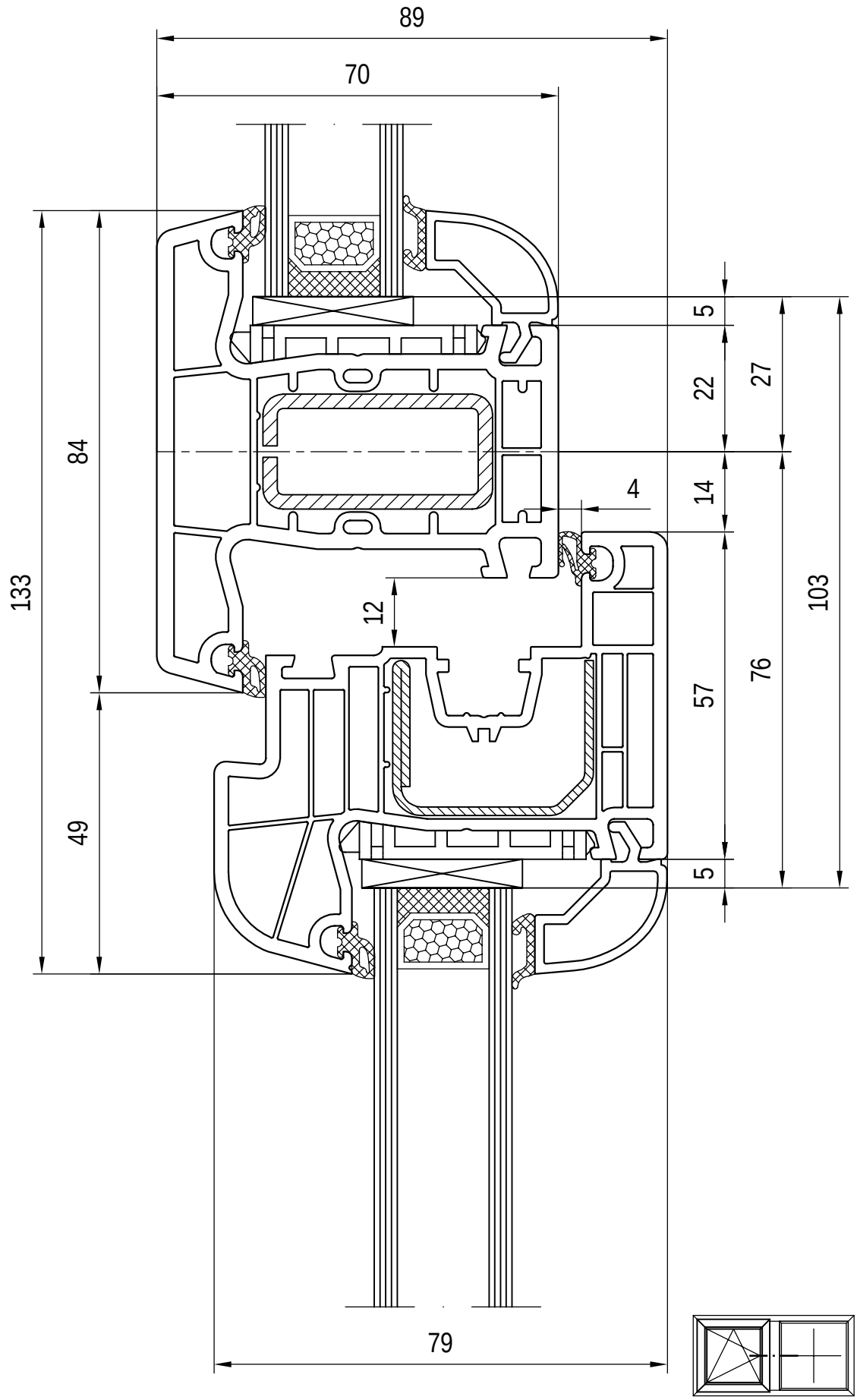

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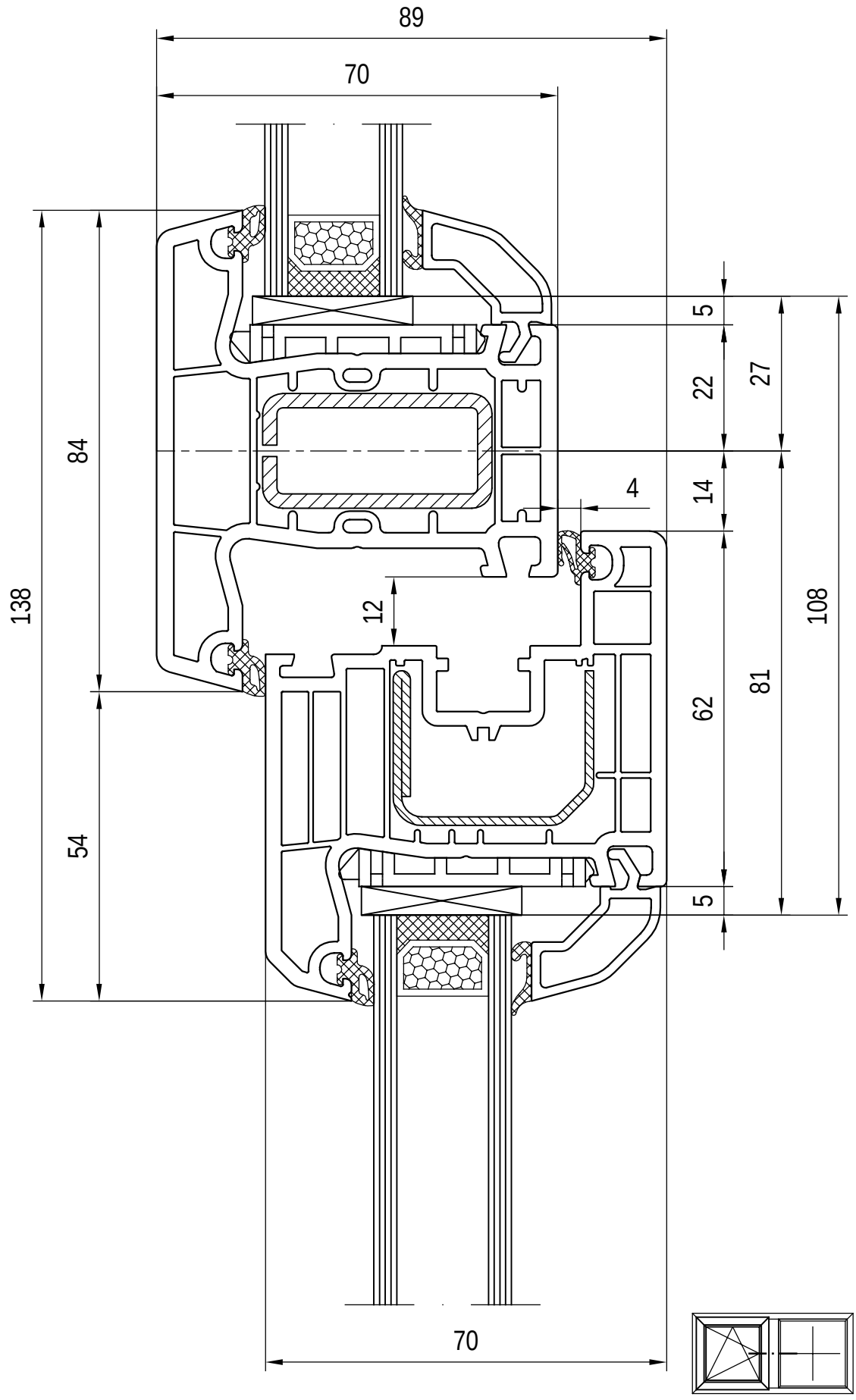

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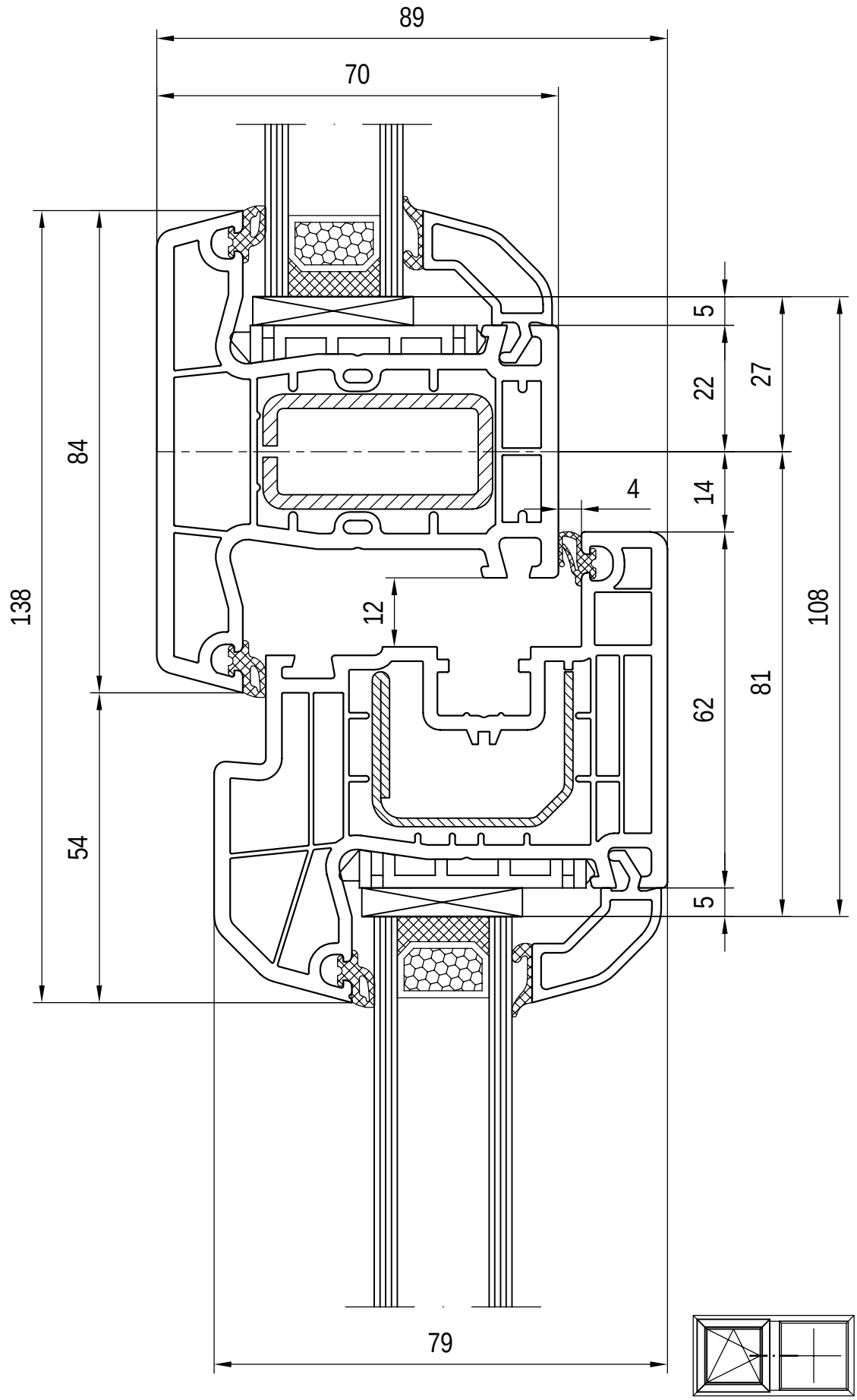

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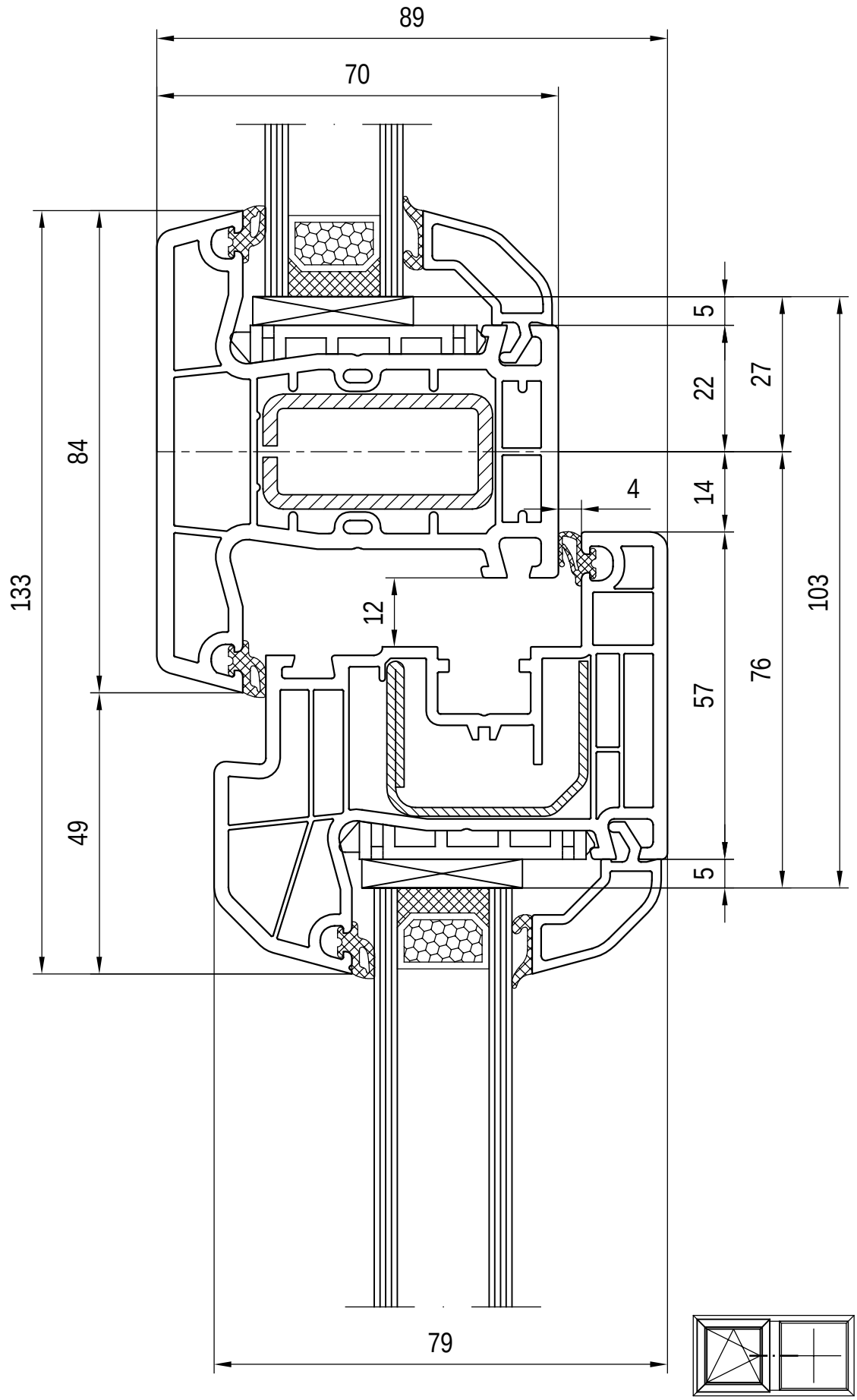

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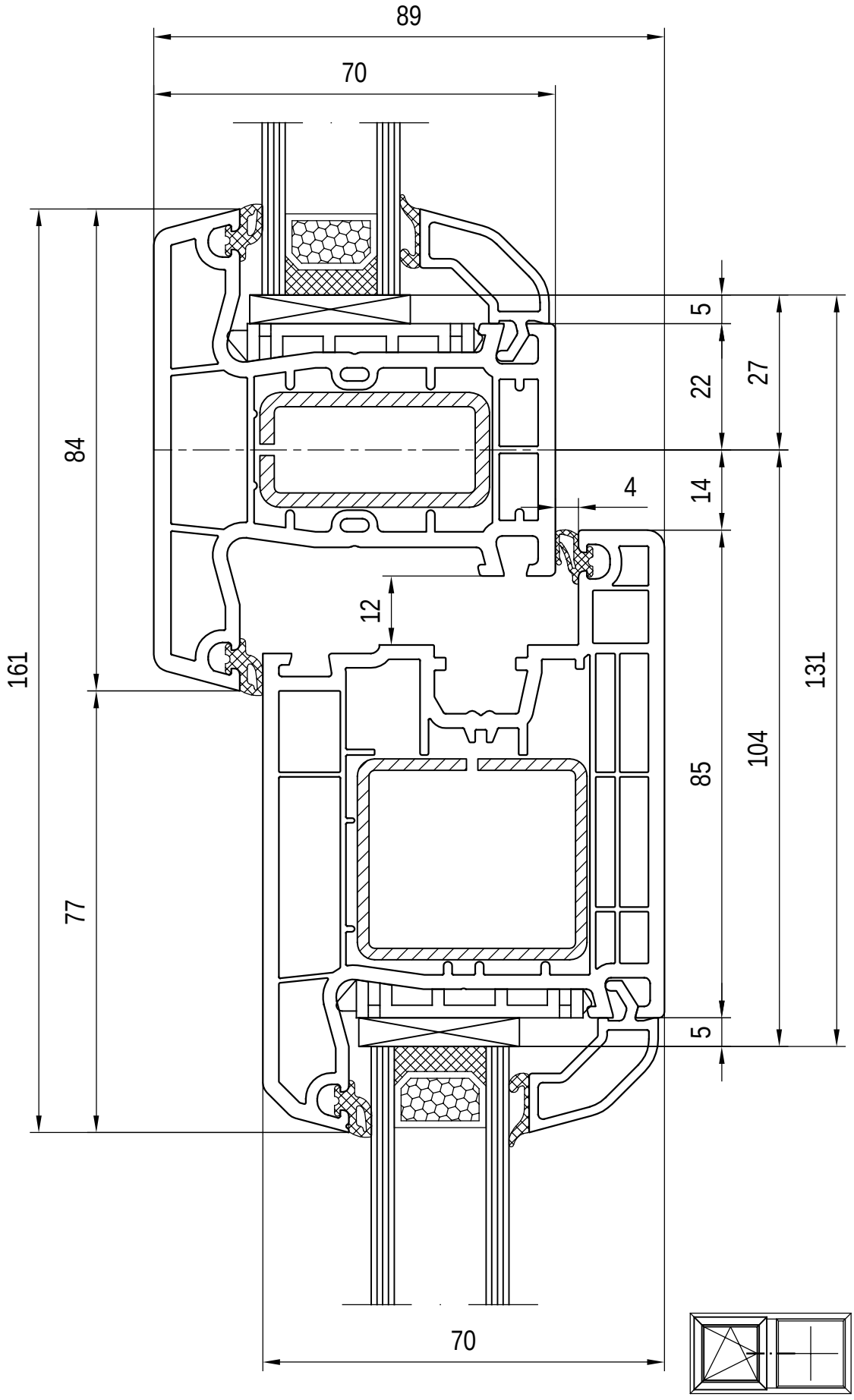

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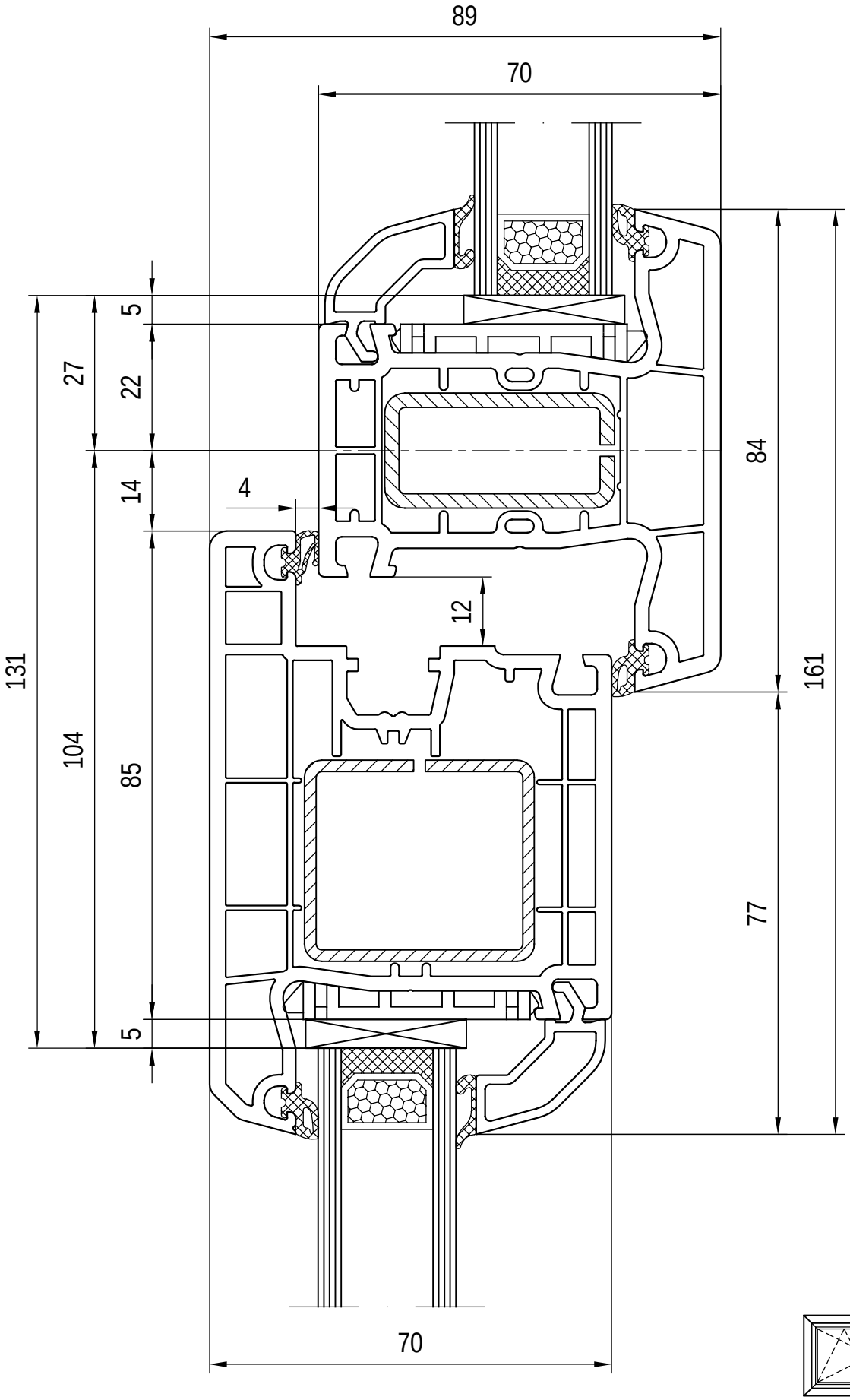

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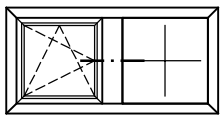

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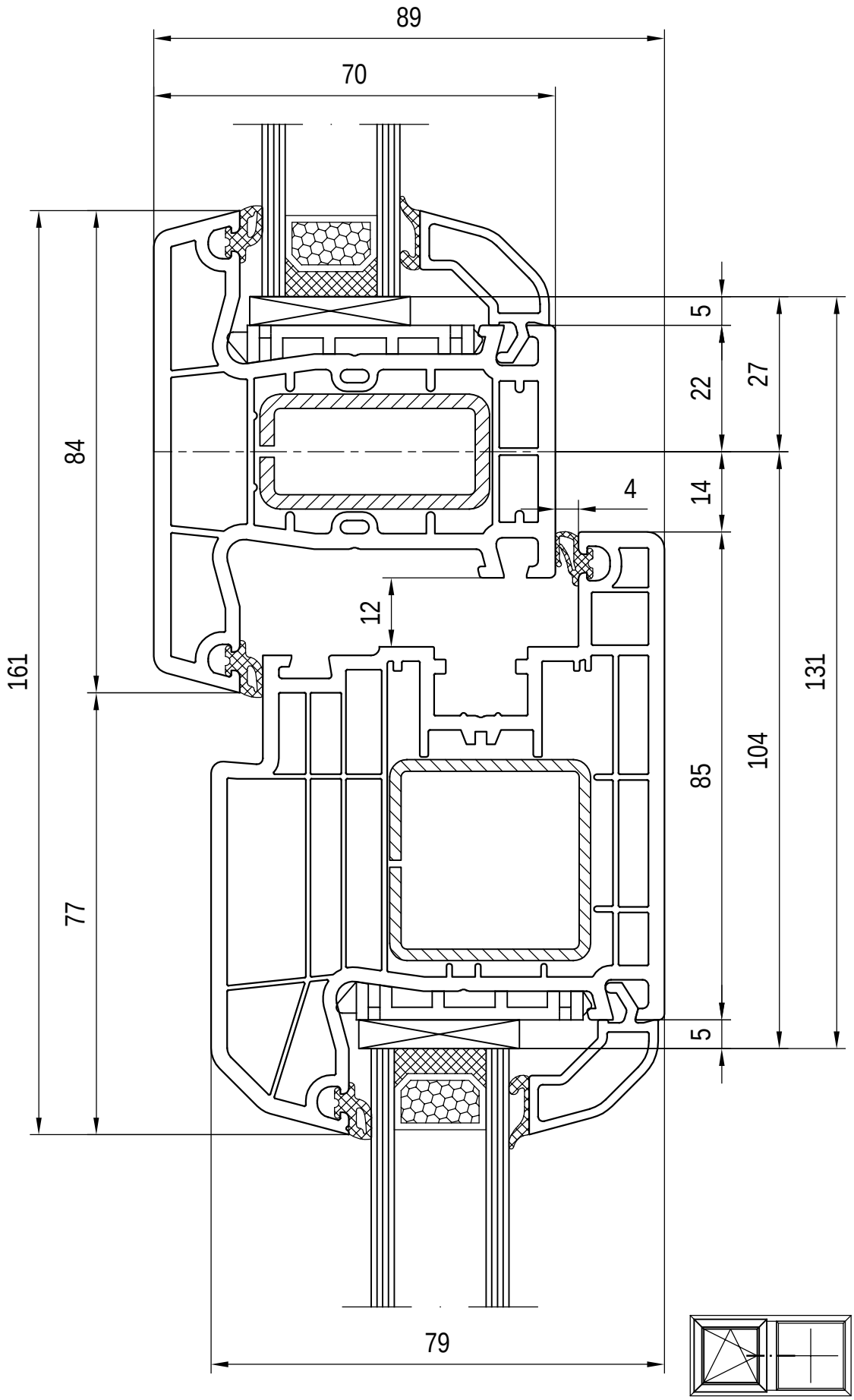

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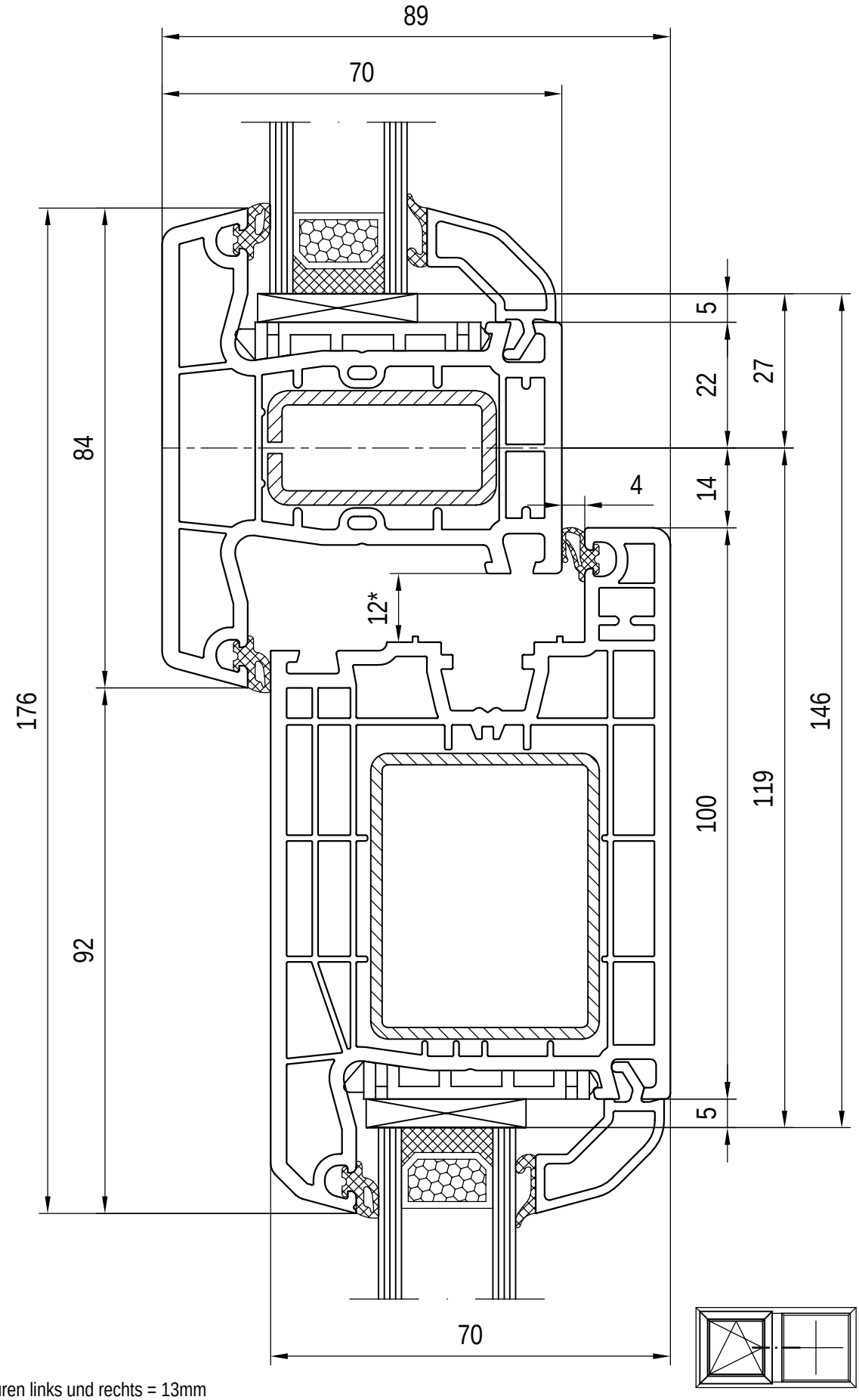

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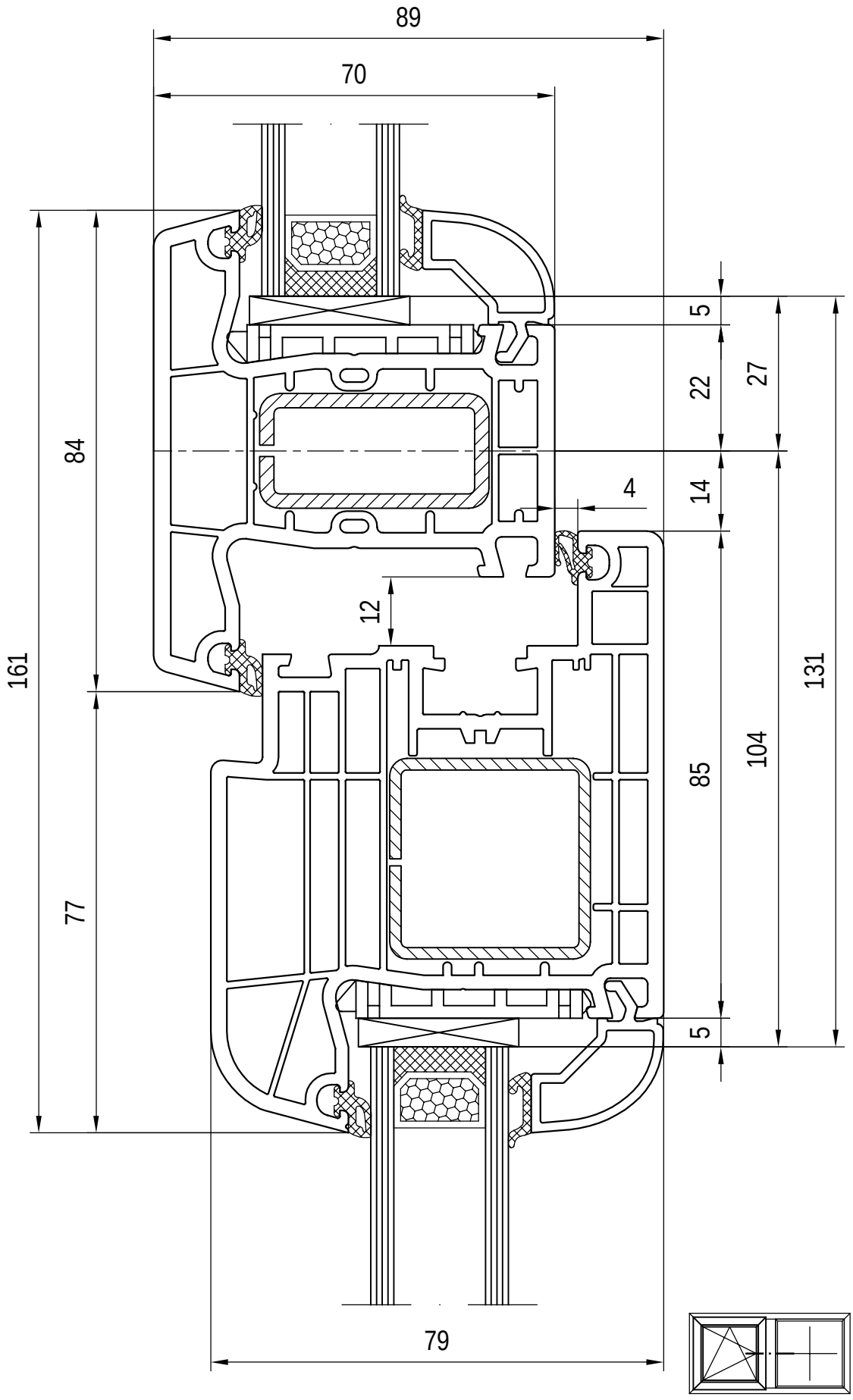

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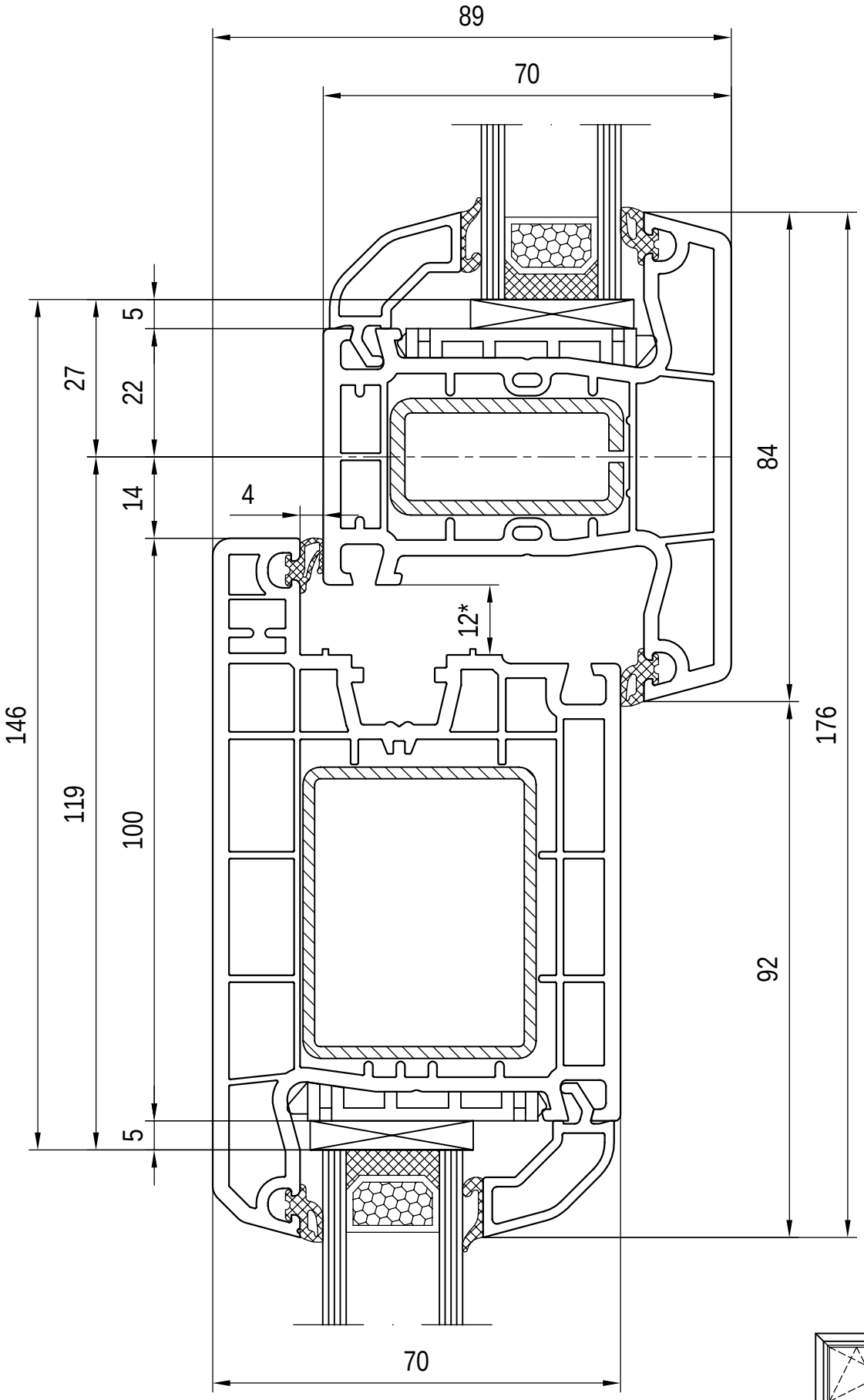


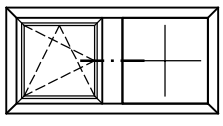

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* Falzluft bei Haustüren links und rechts = 13mm


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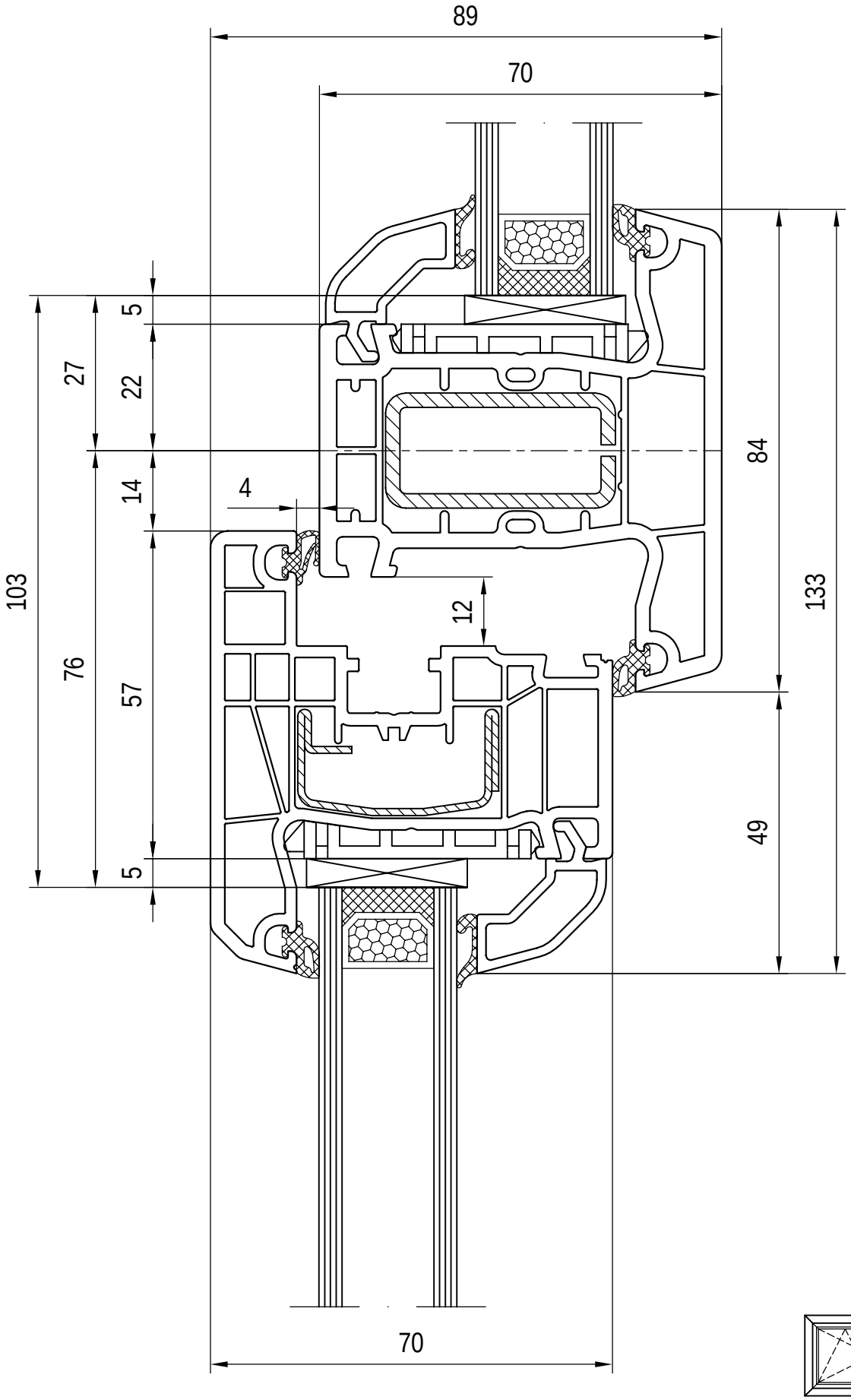
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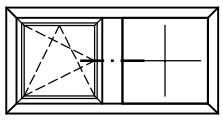
Technische Änderungen und Irrtümer vorbehalten!

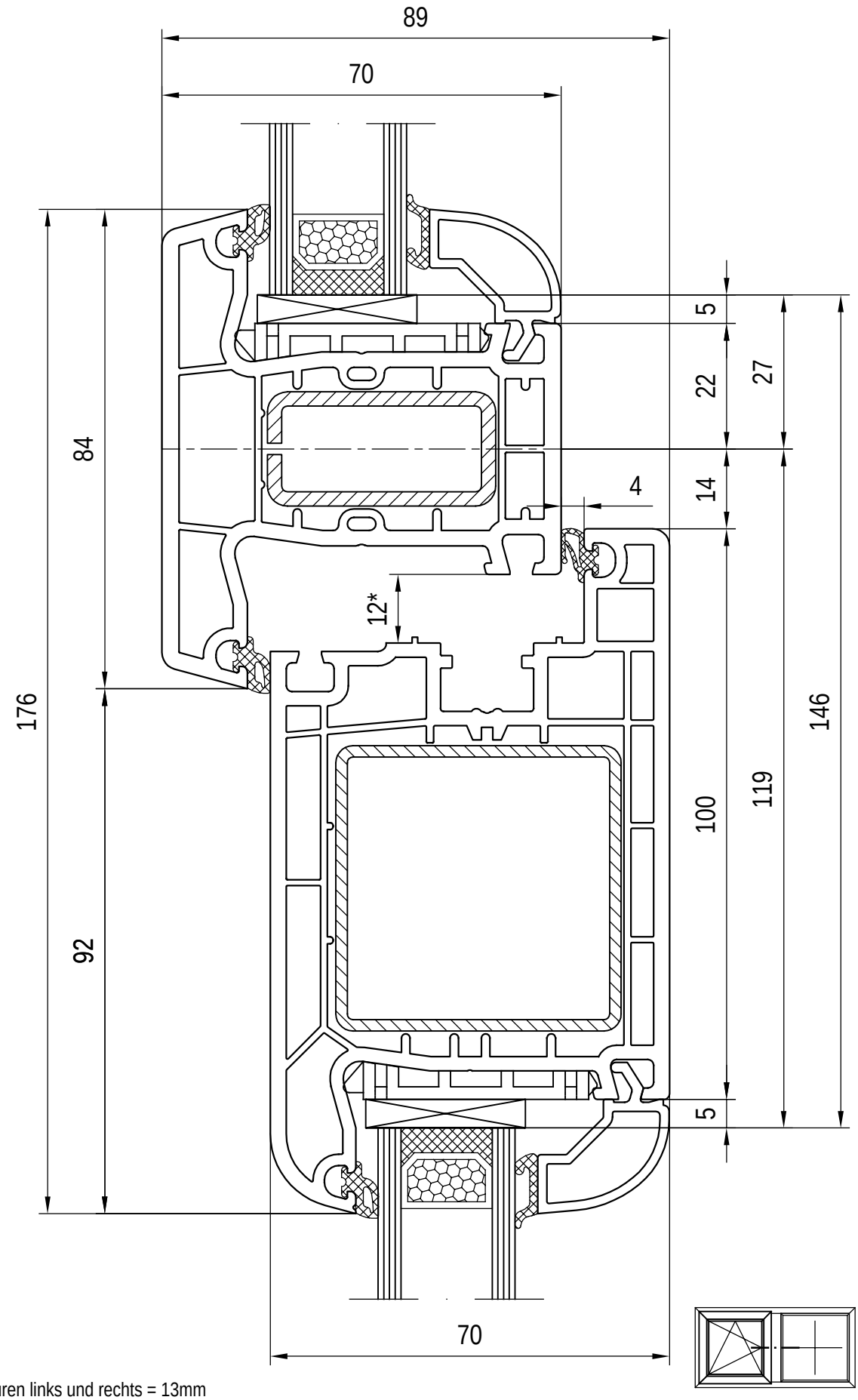
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Kombinationen: Flügel - Pfosten - Festverglasung
Glasleiste 120846/120876

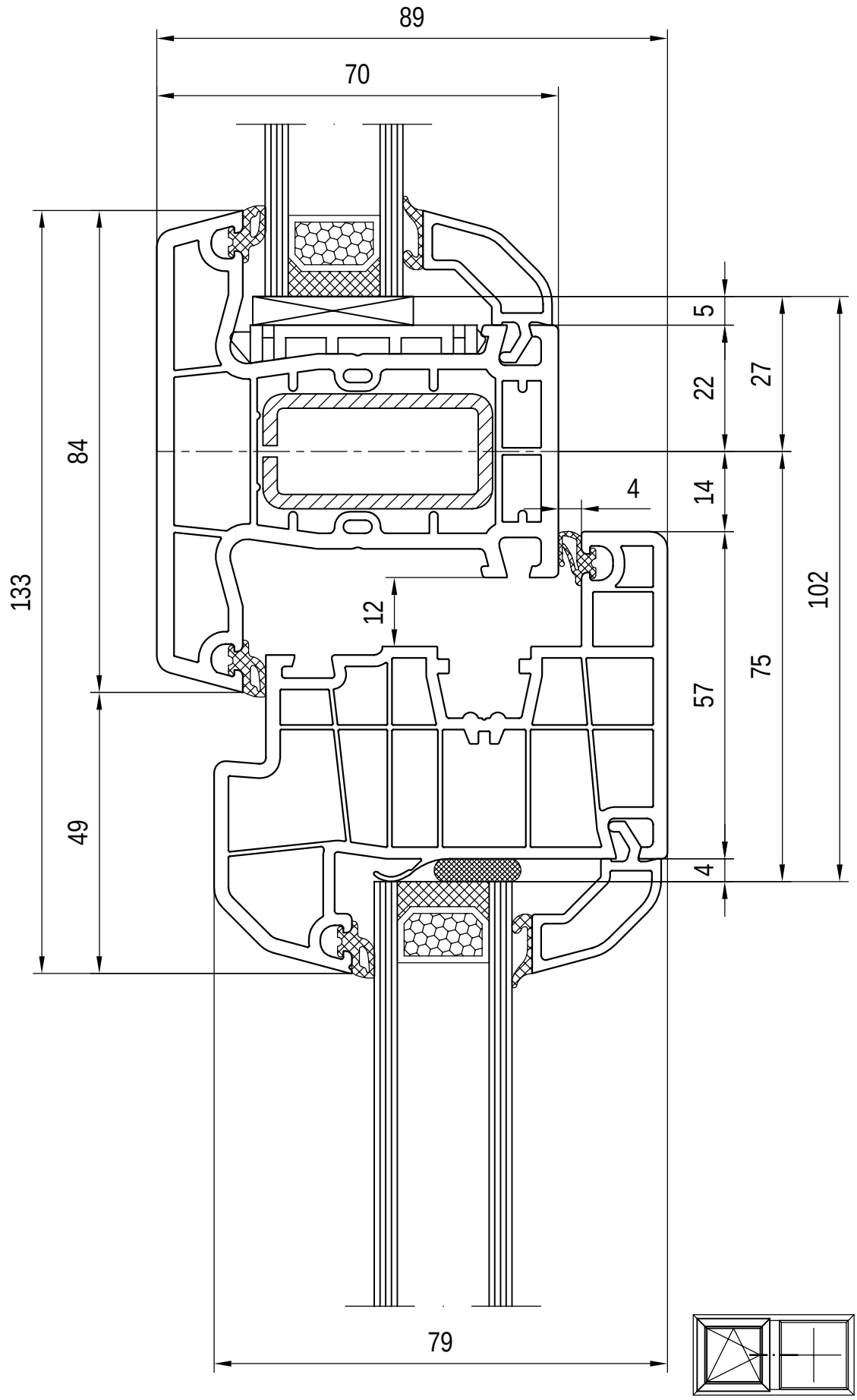
Statik-Pfosten 140x44
Flügel 140x35

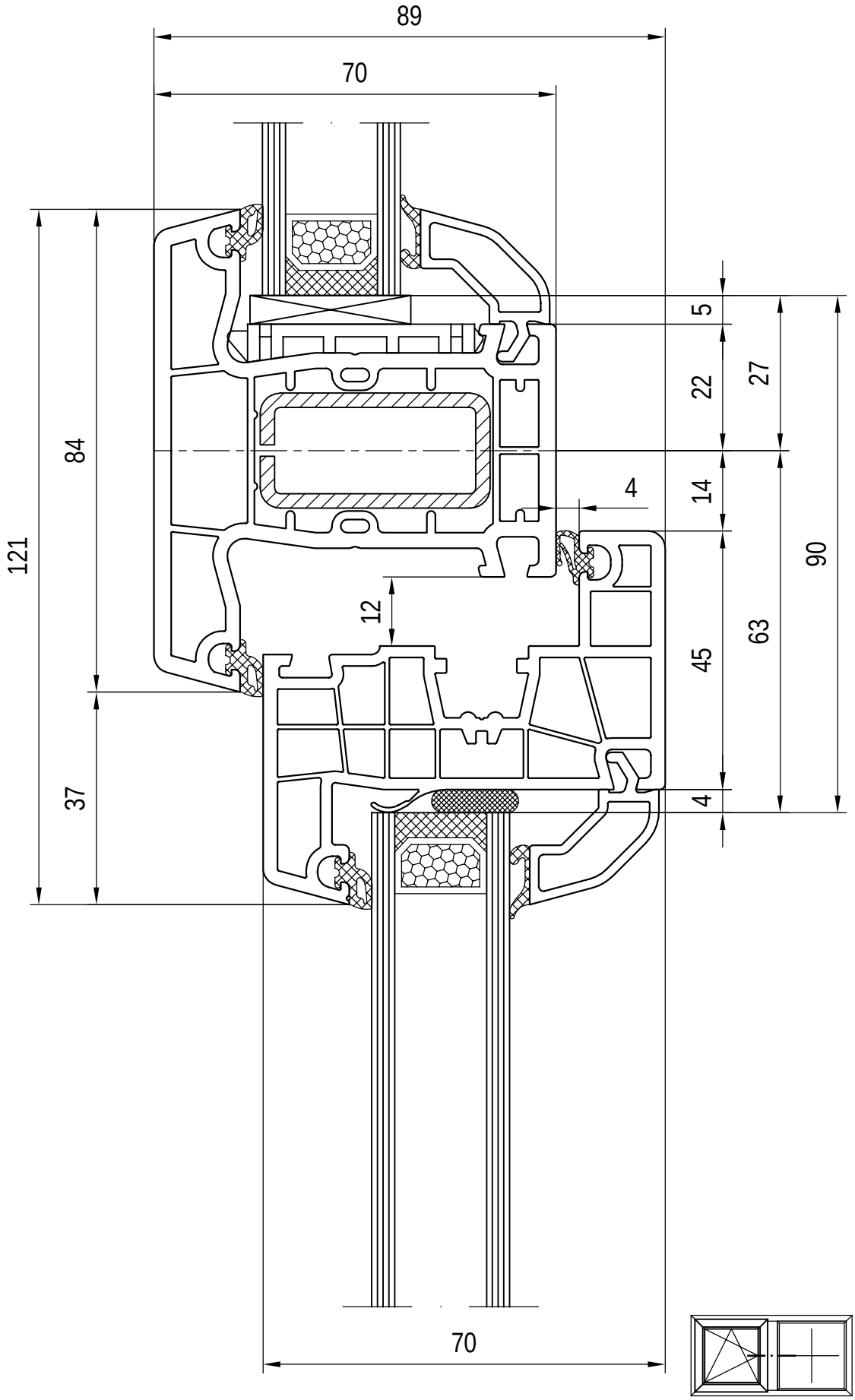

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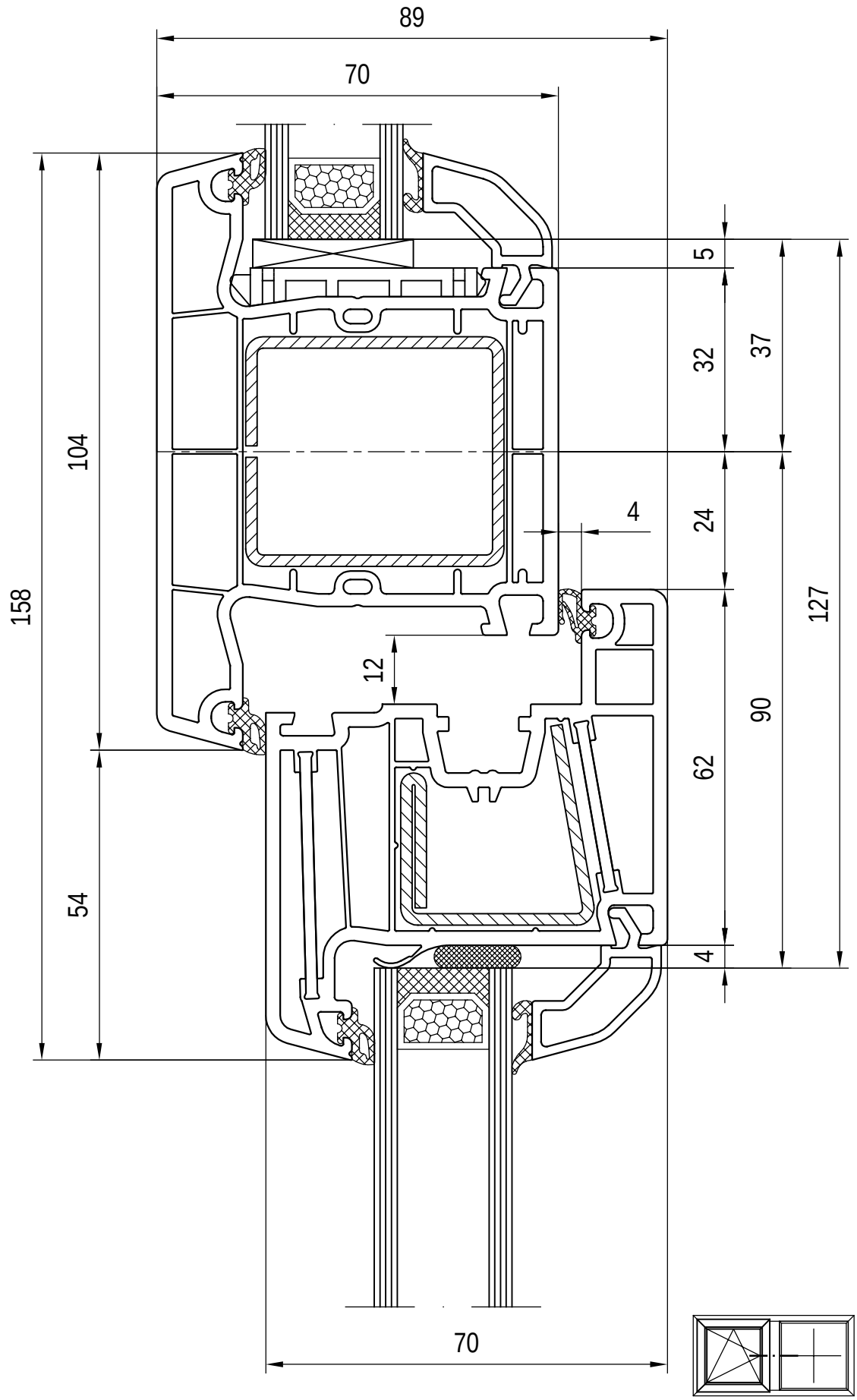


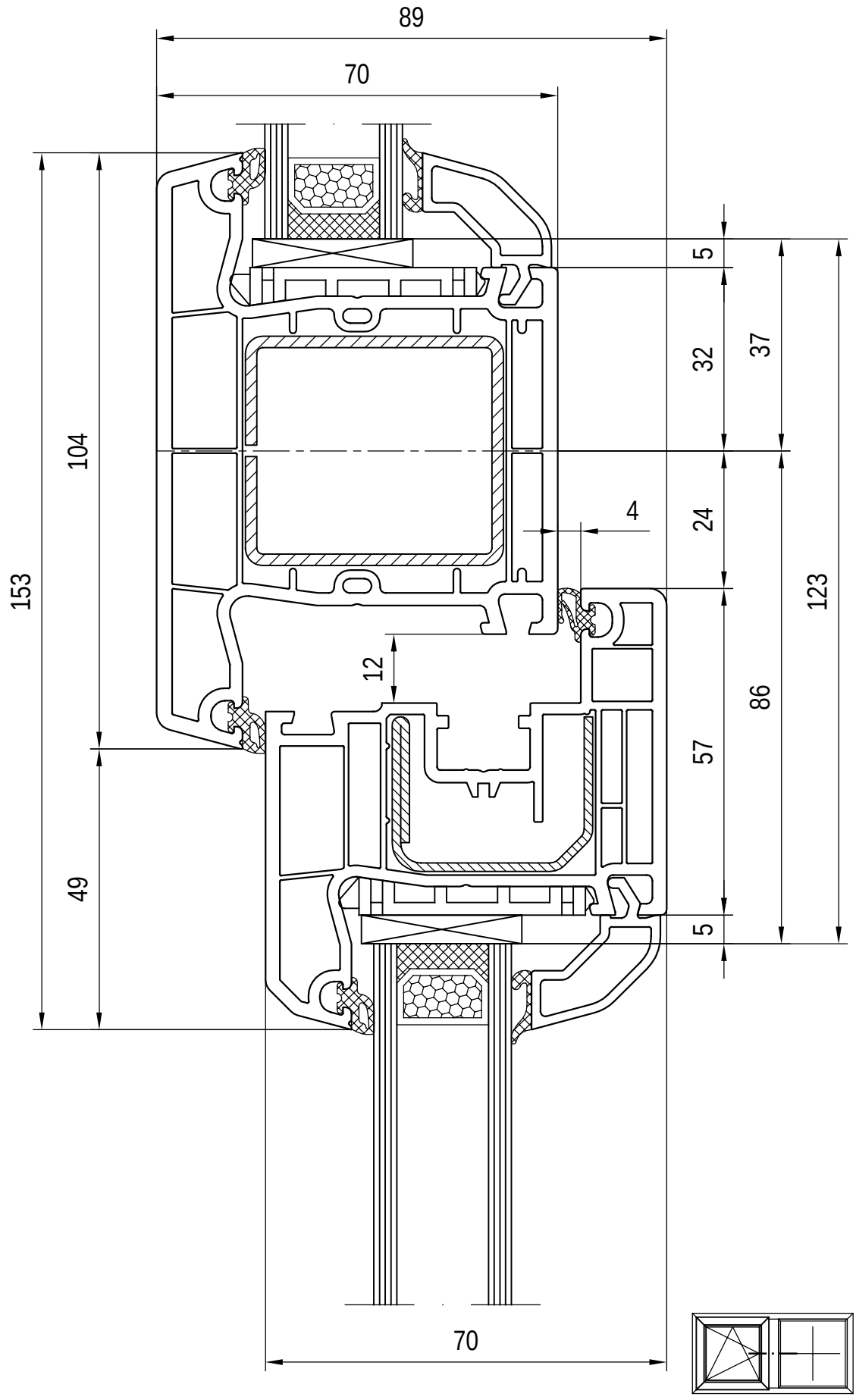


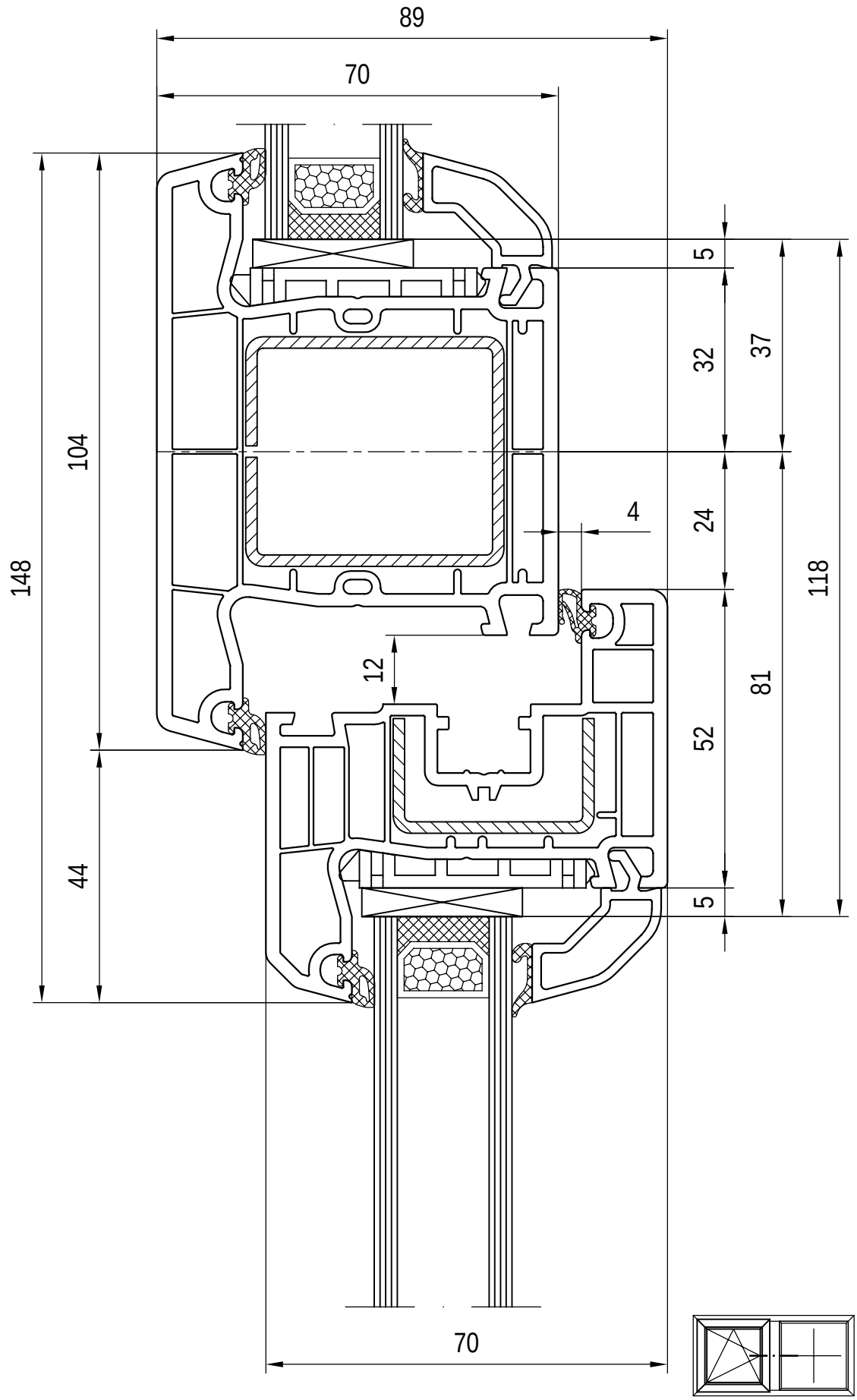
* Falzluft bei Haustüren links und rechts = 13mm

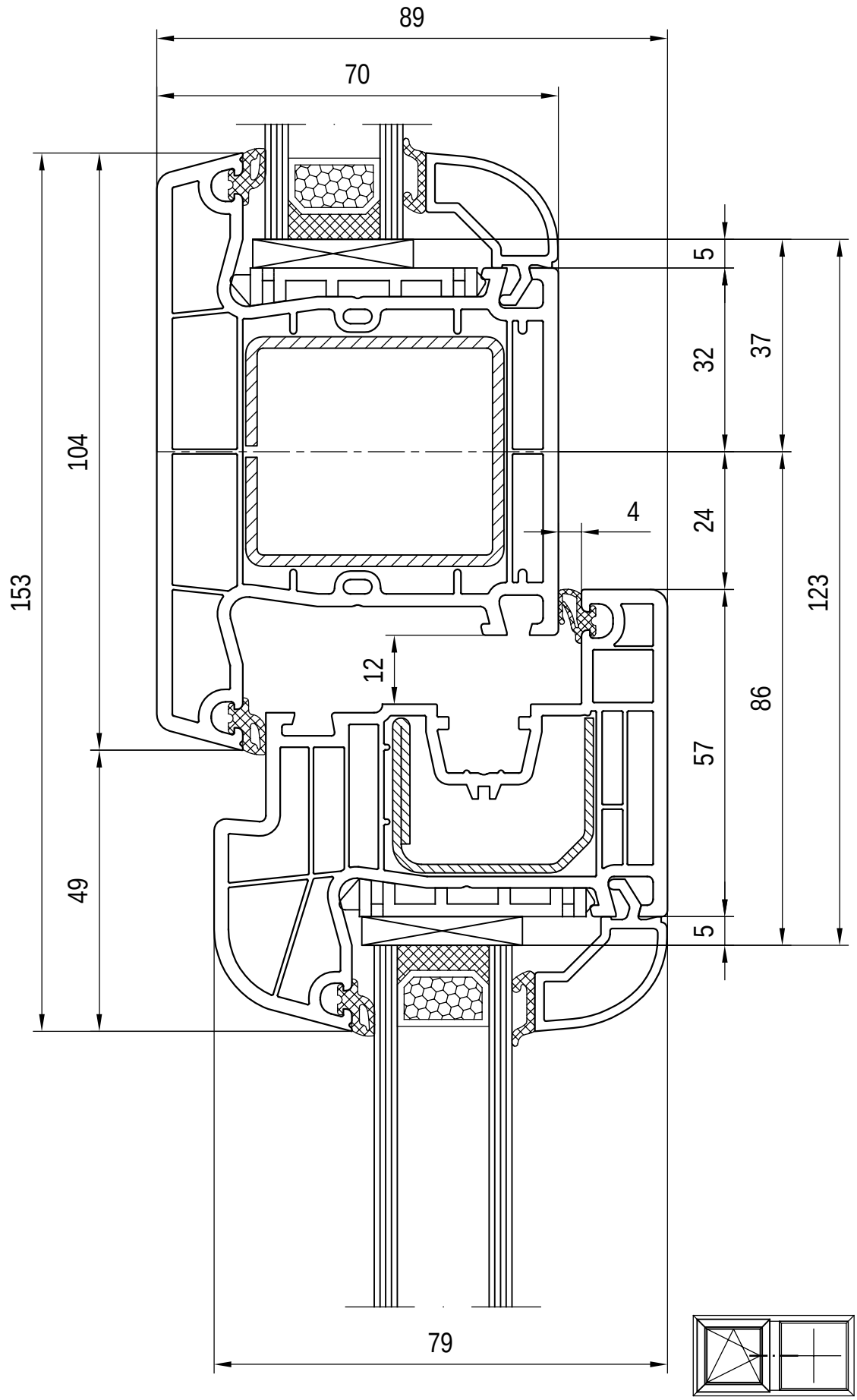

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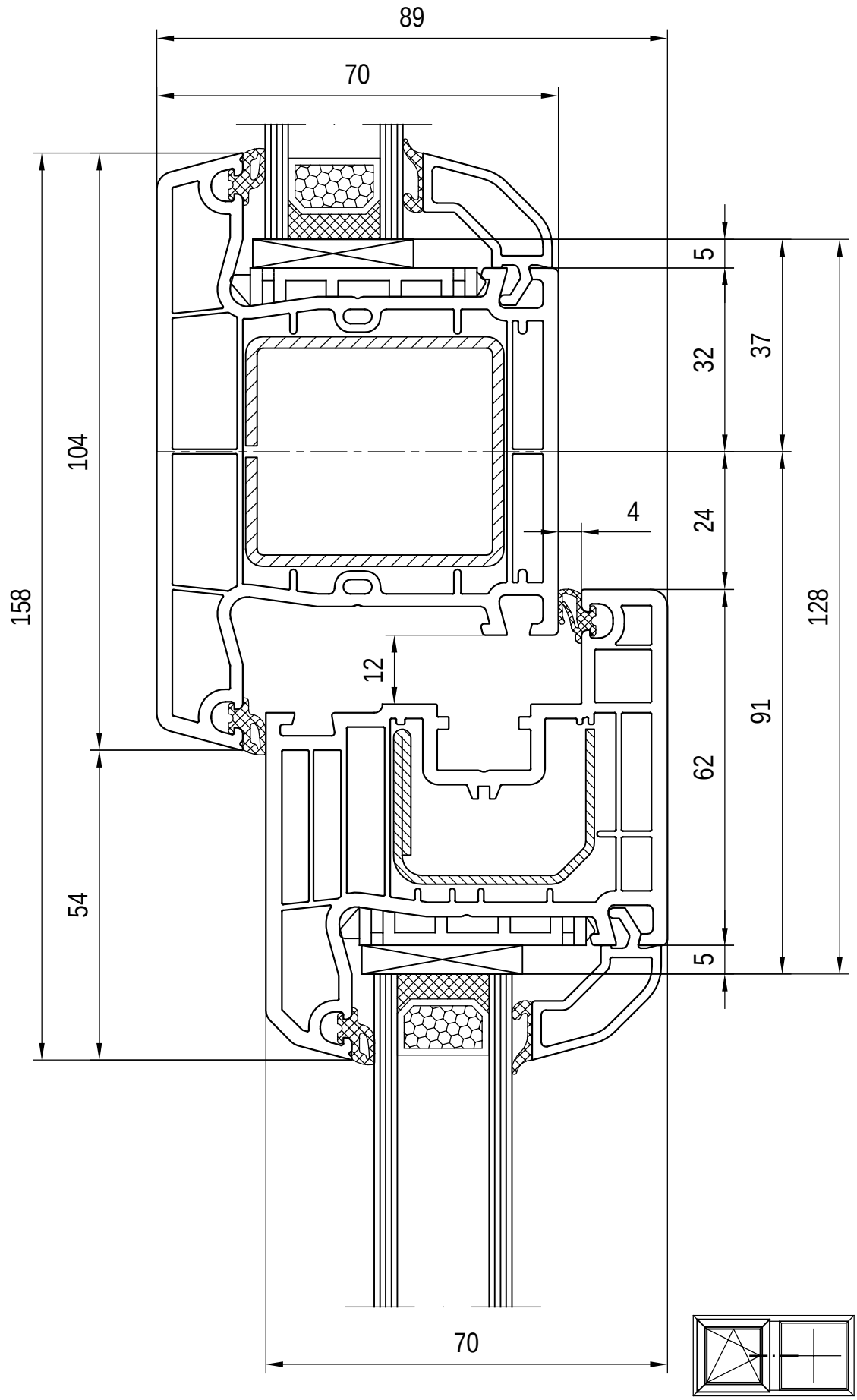

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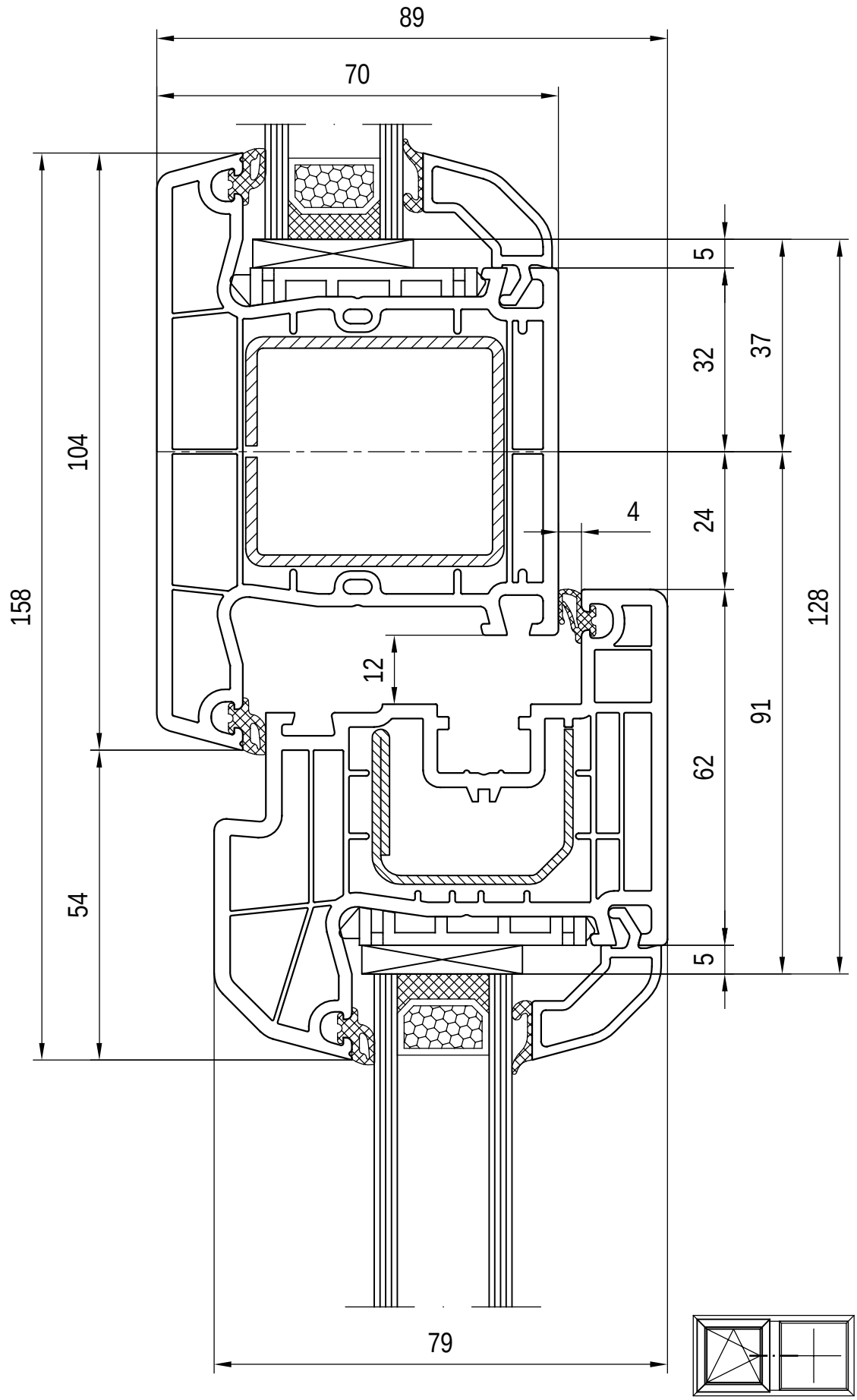

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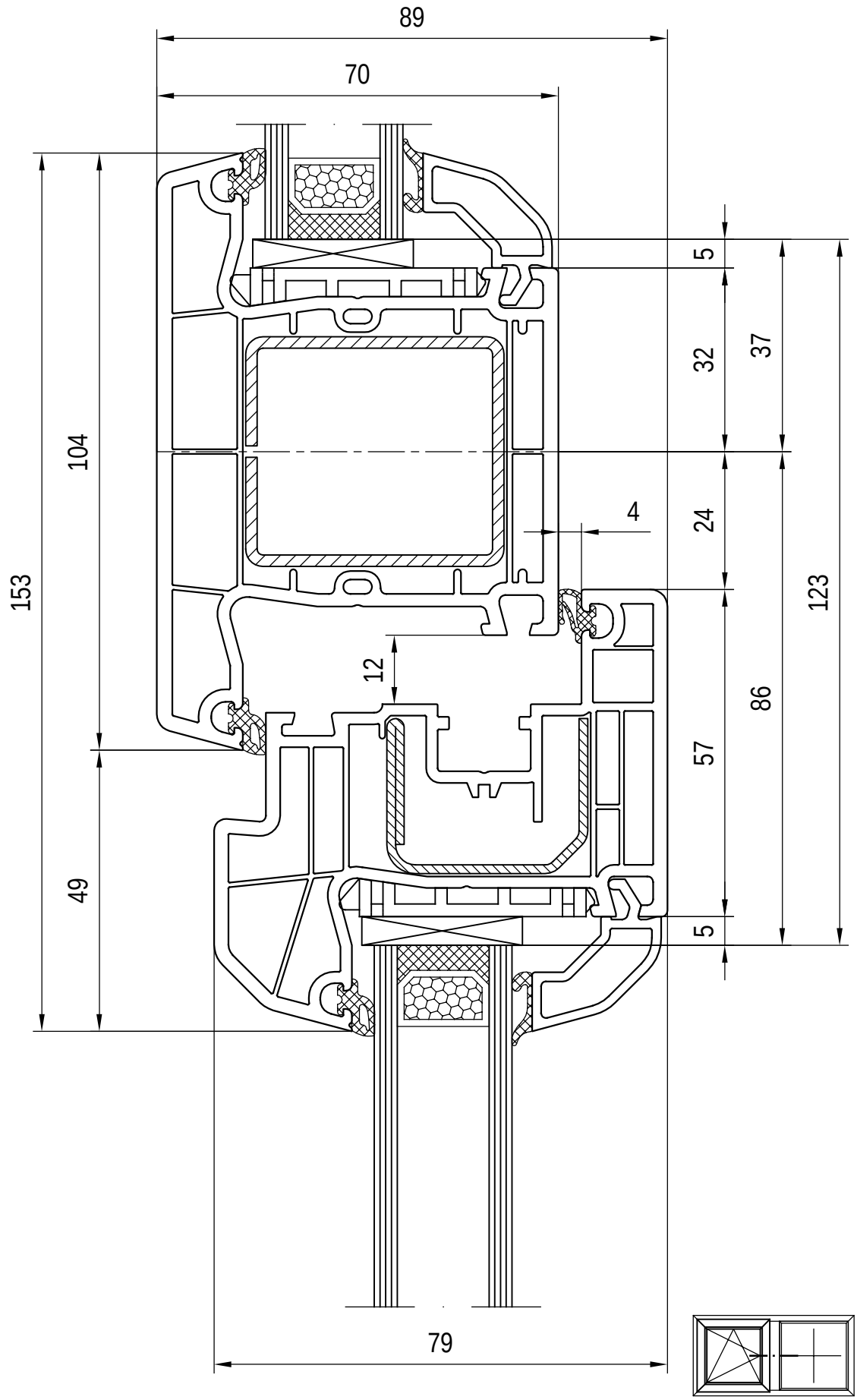

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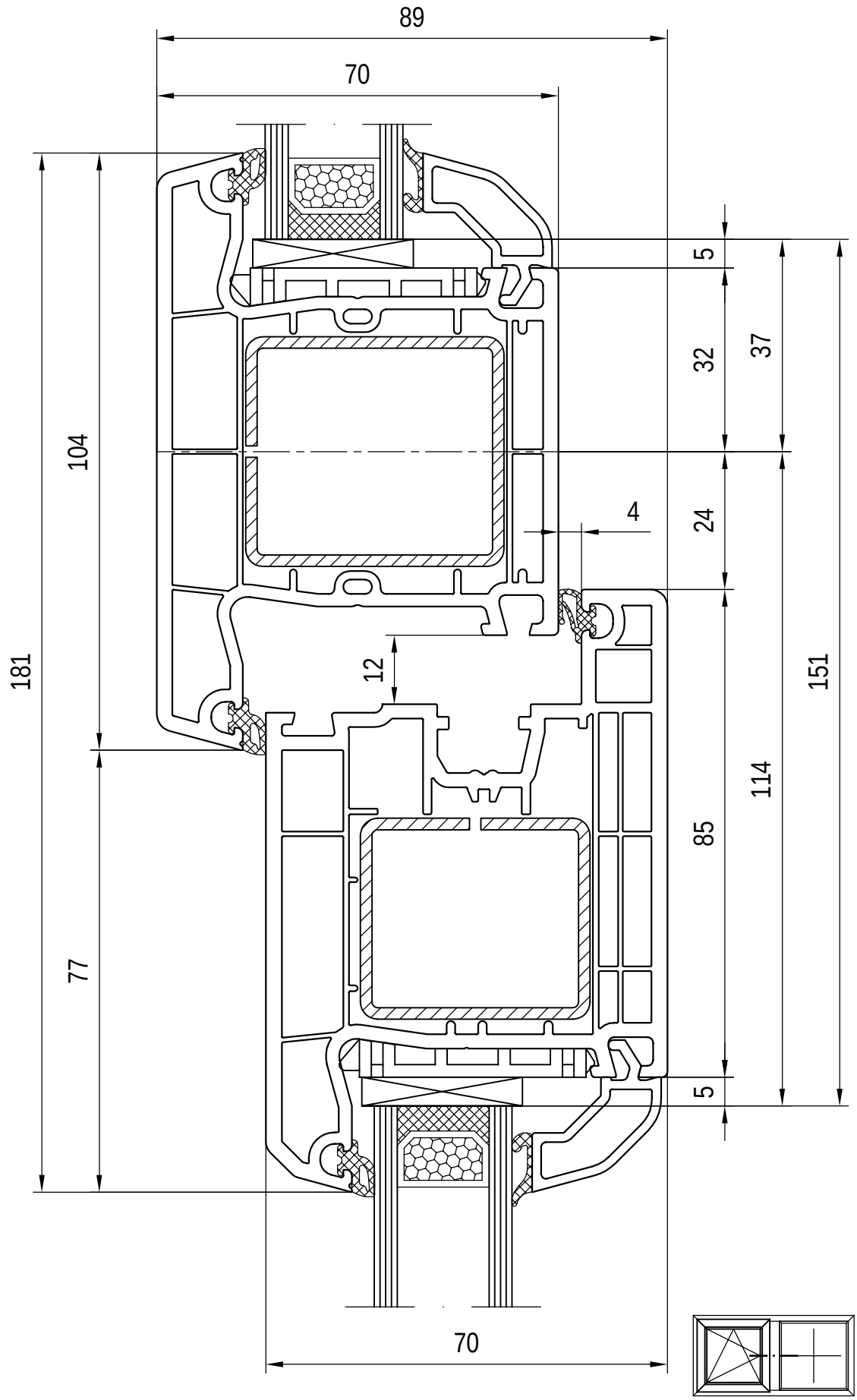

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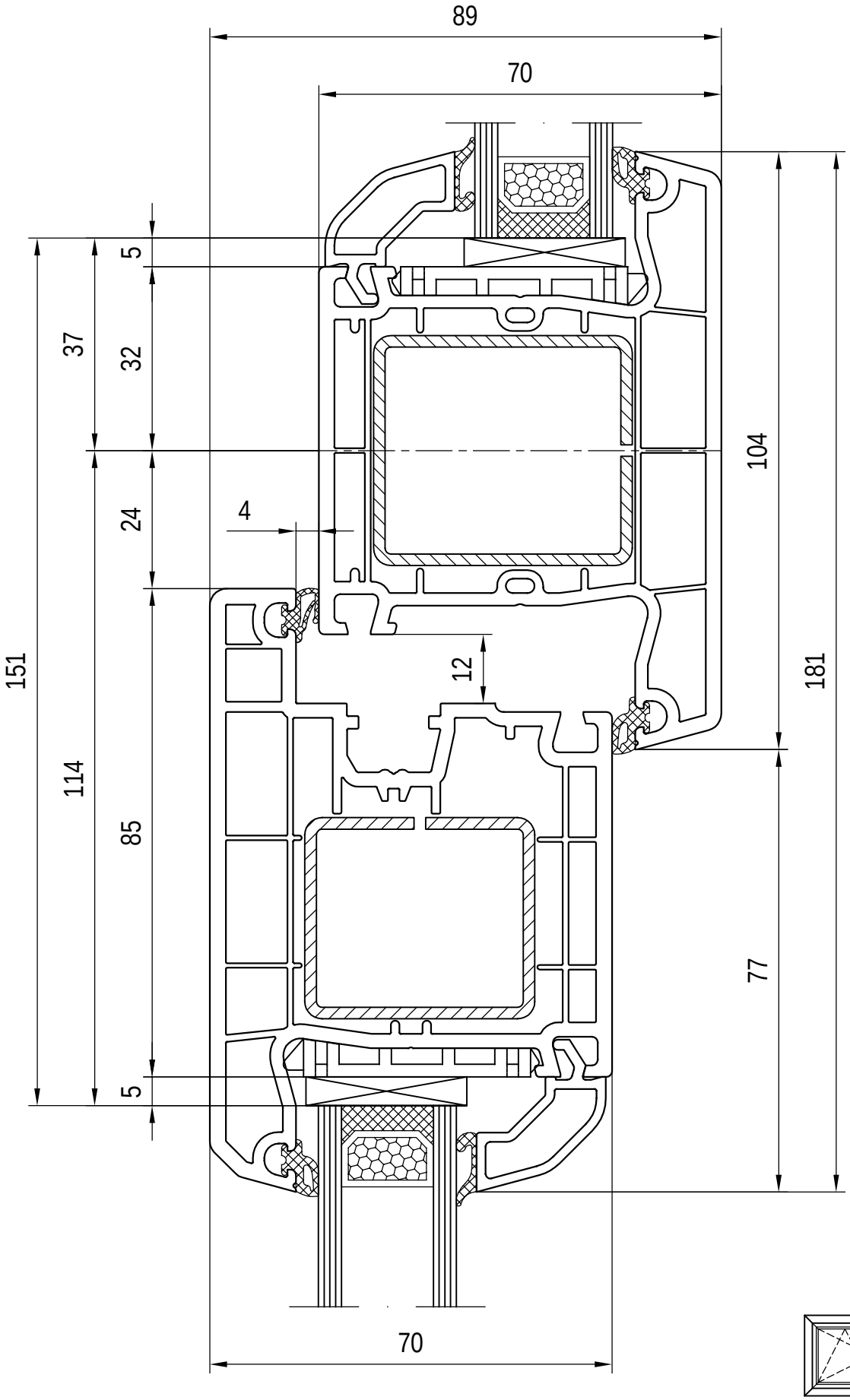

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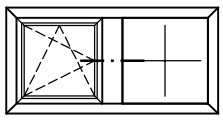

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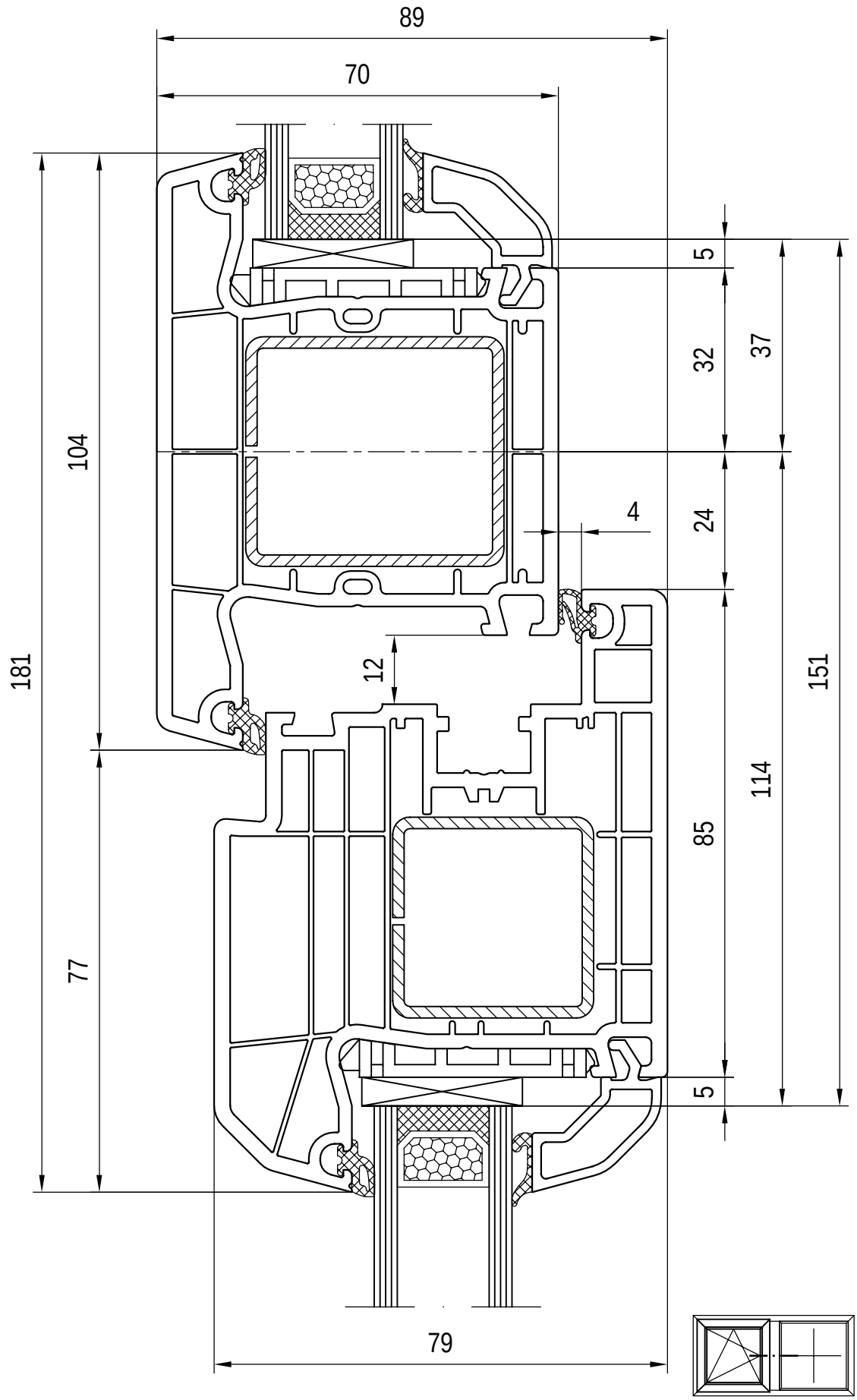

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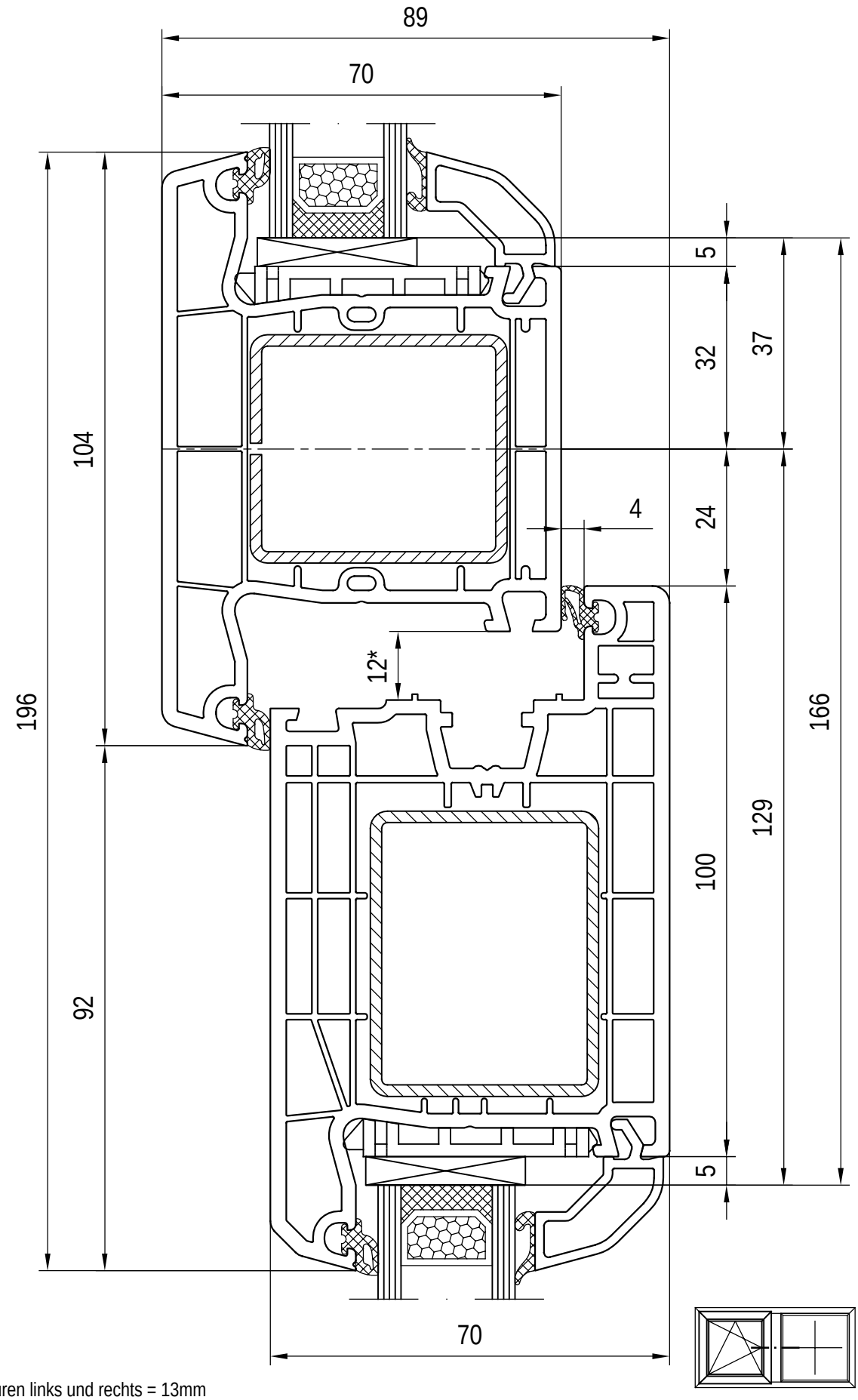

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* Falzluft bei Haustüren links und rechts = 13mm

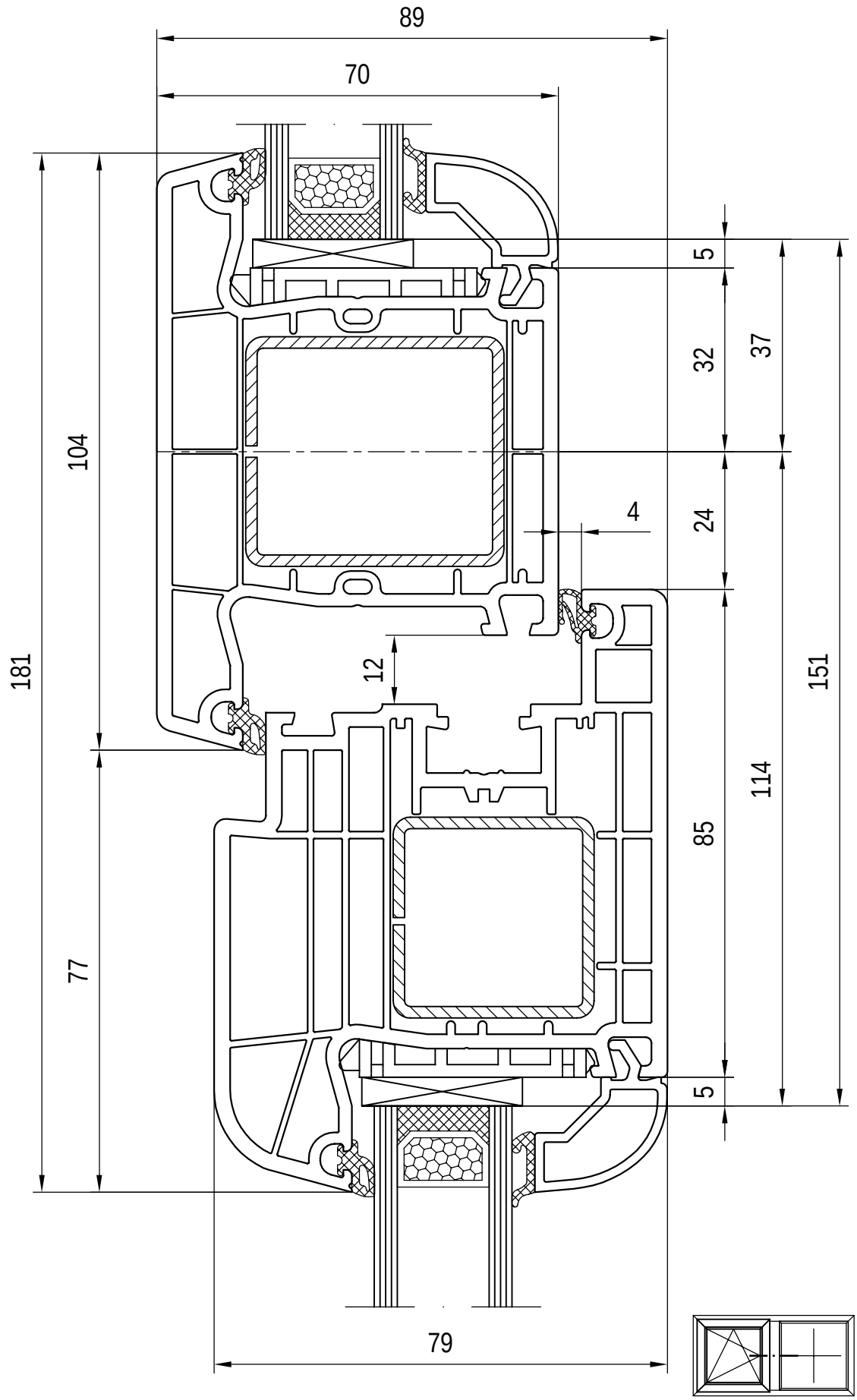
Technische Änderungen und Irrtümer vorbehalten!

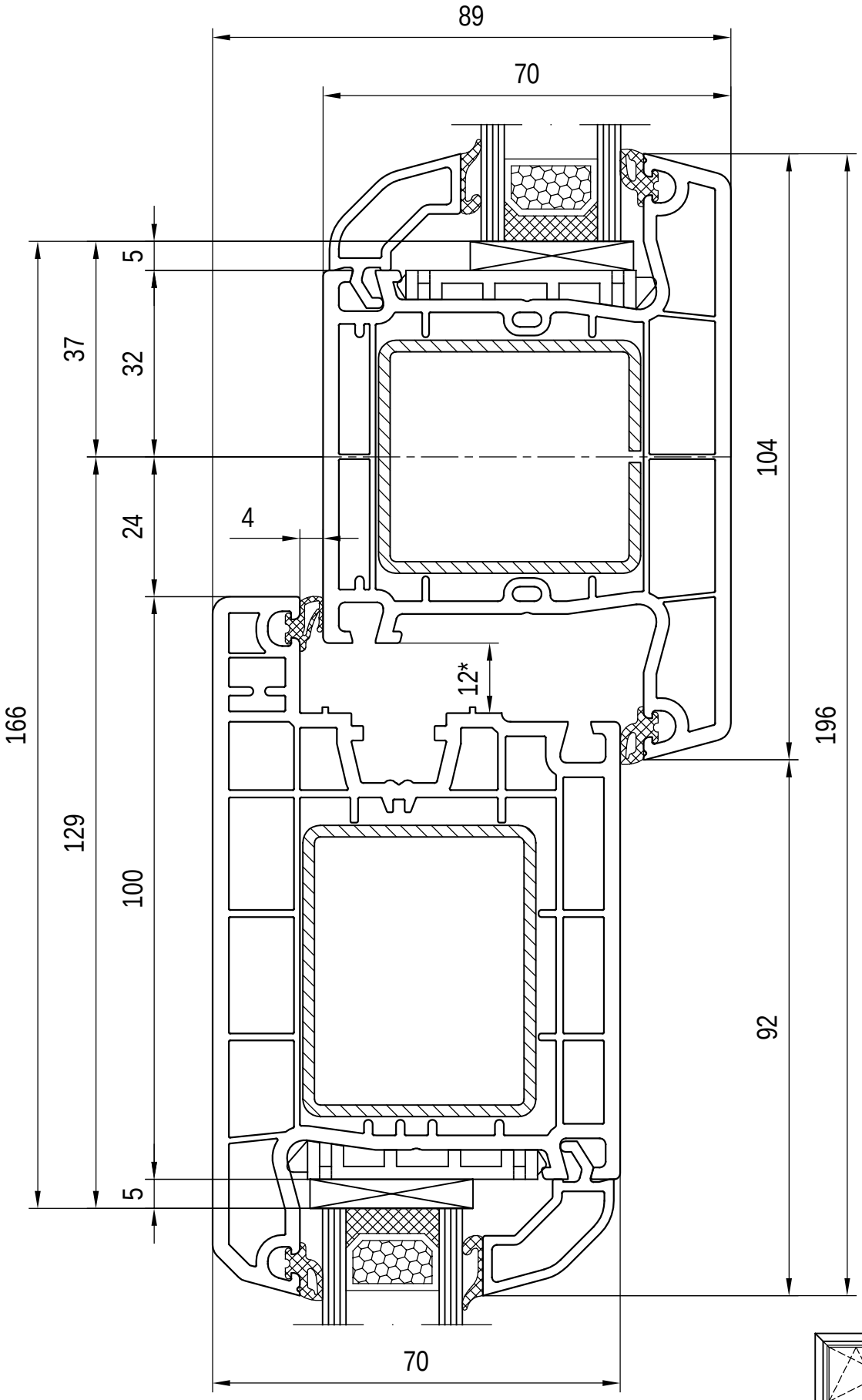
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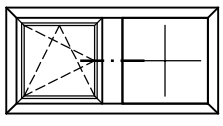
Kombinationen: Flügel - Pfosten - Festverglasung

Glasleiste 120846/120876

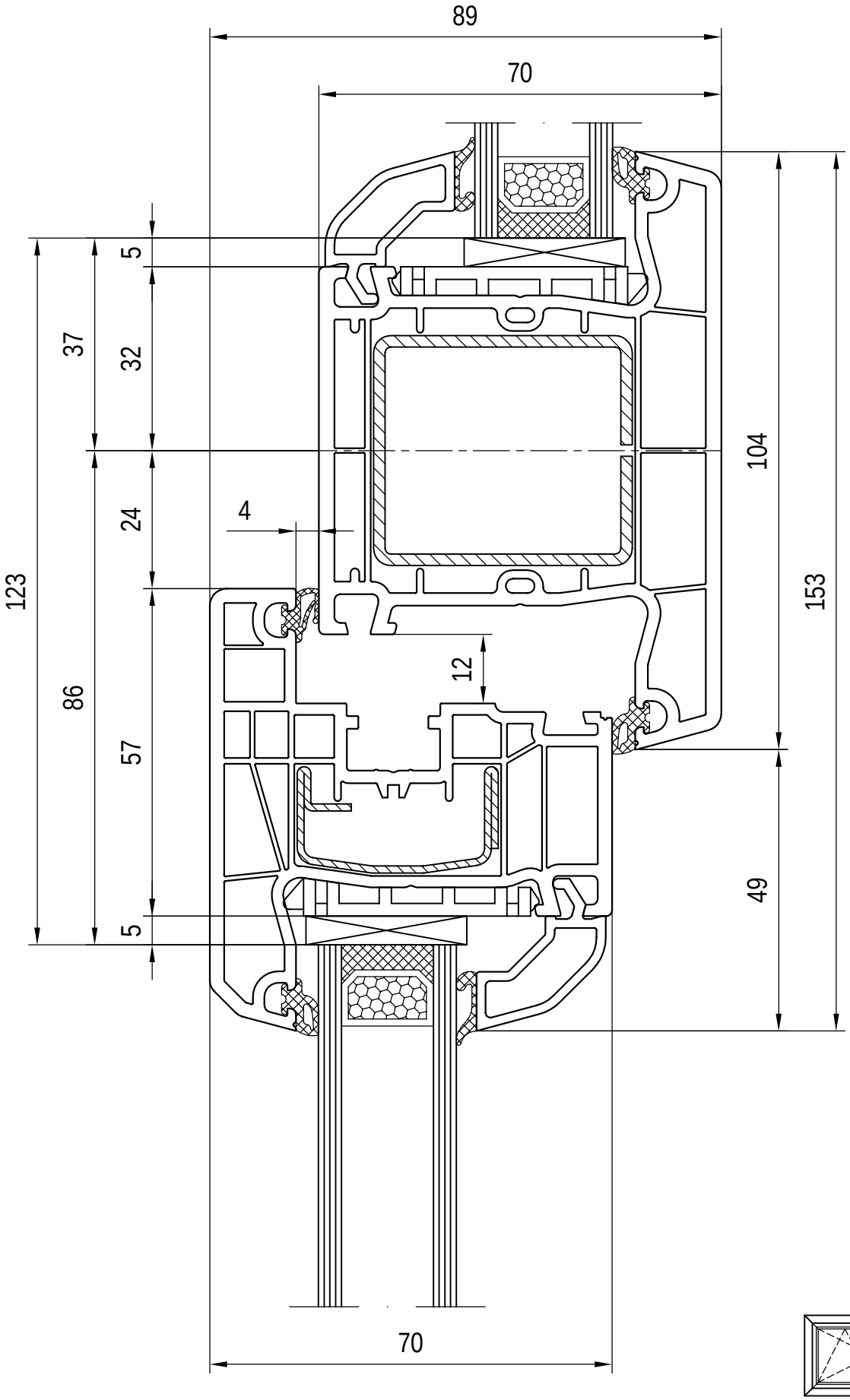
Pfosten 140x45
Flügel 140x33

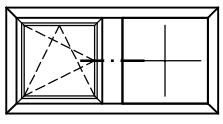

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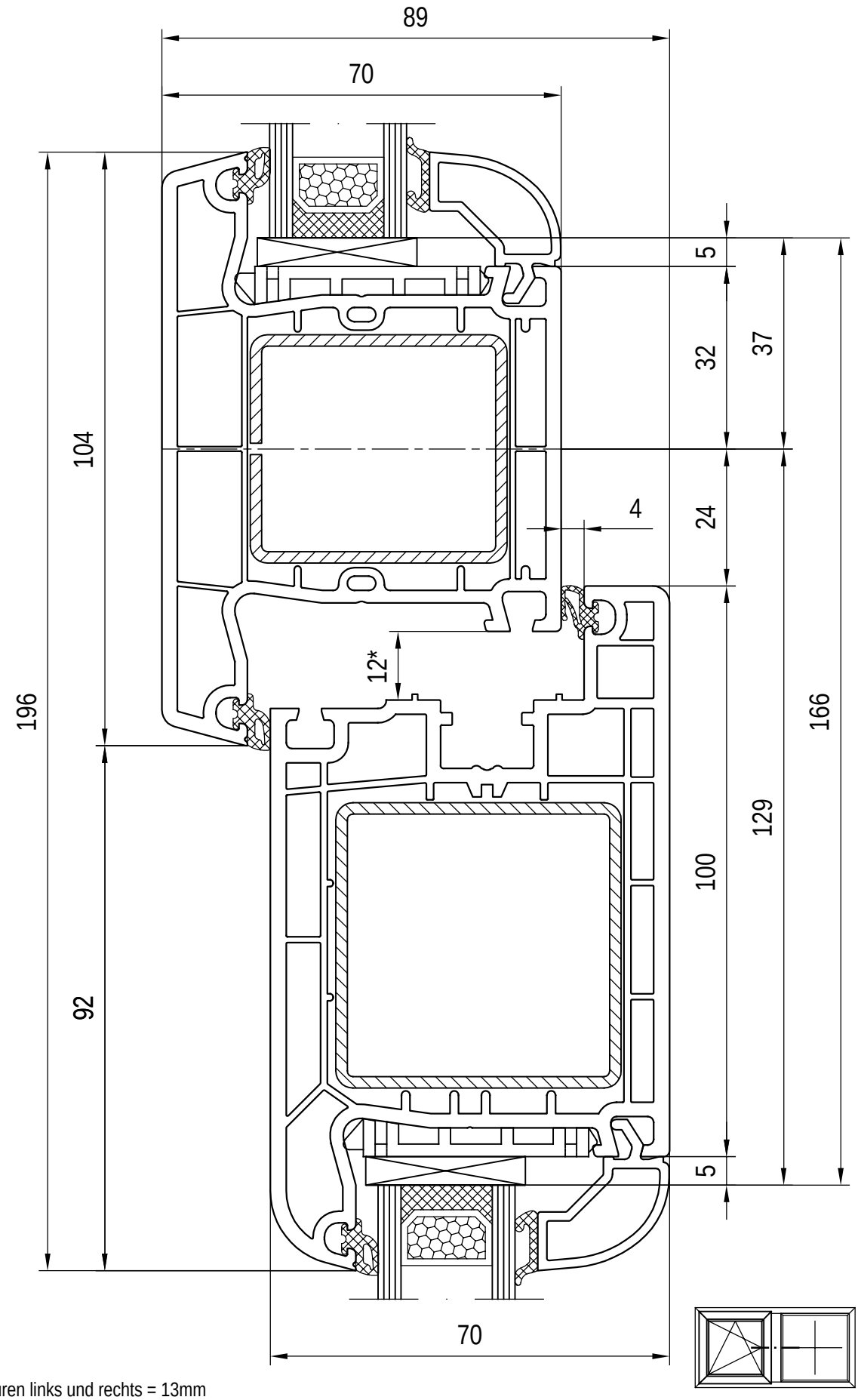




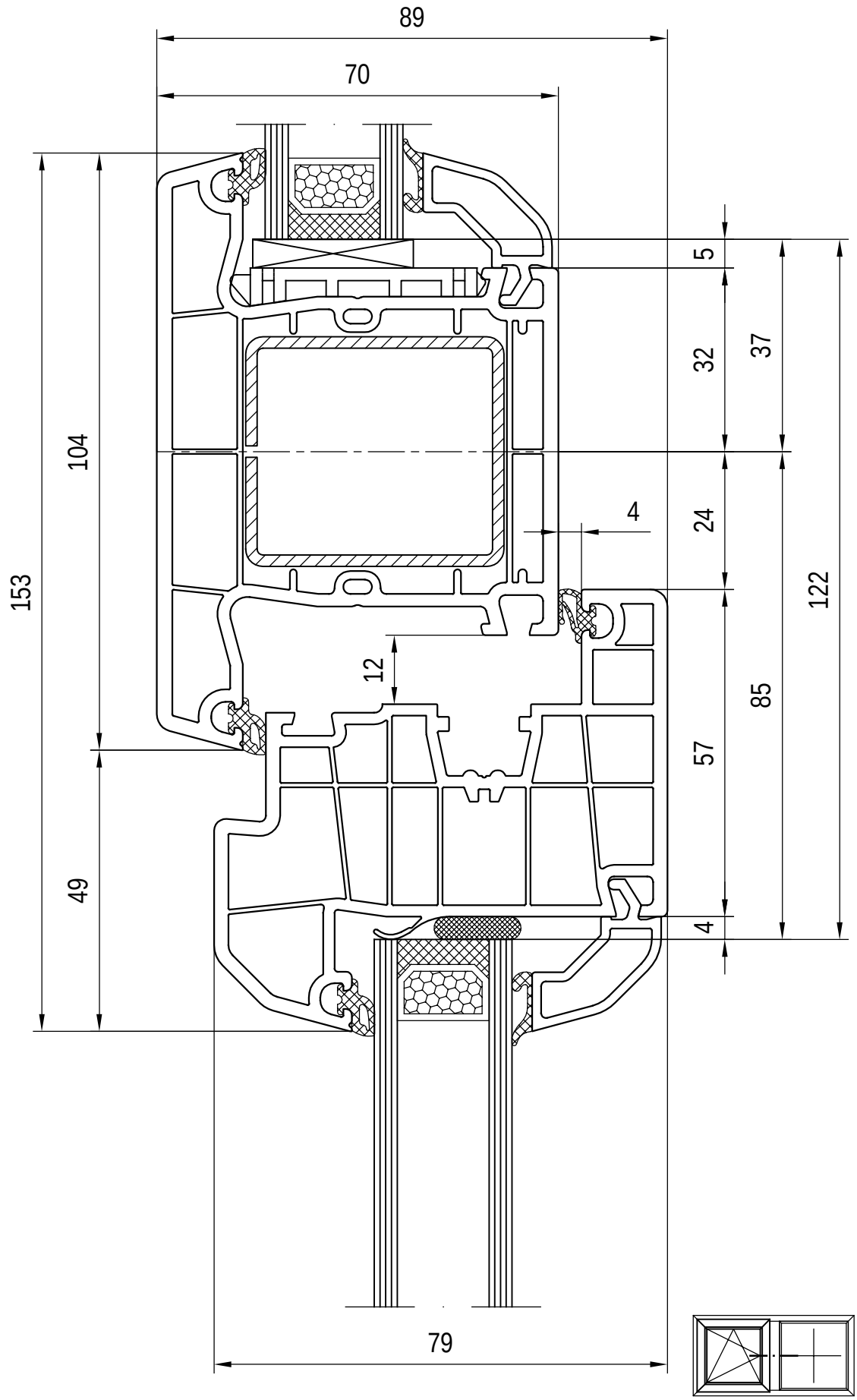
* Falzluft bei Haustüren links und rechts = 13mm

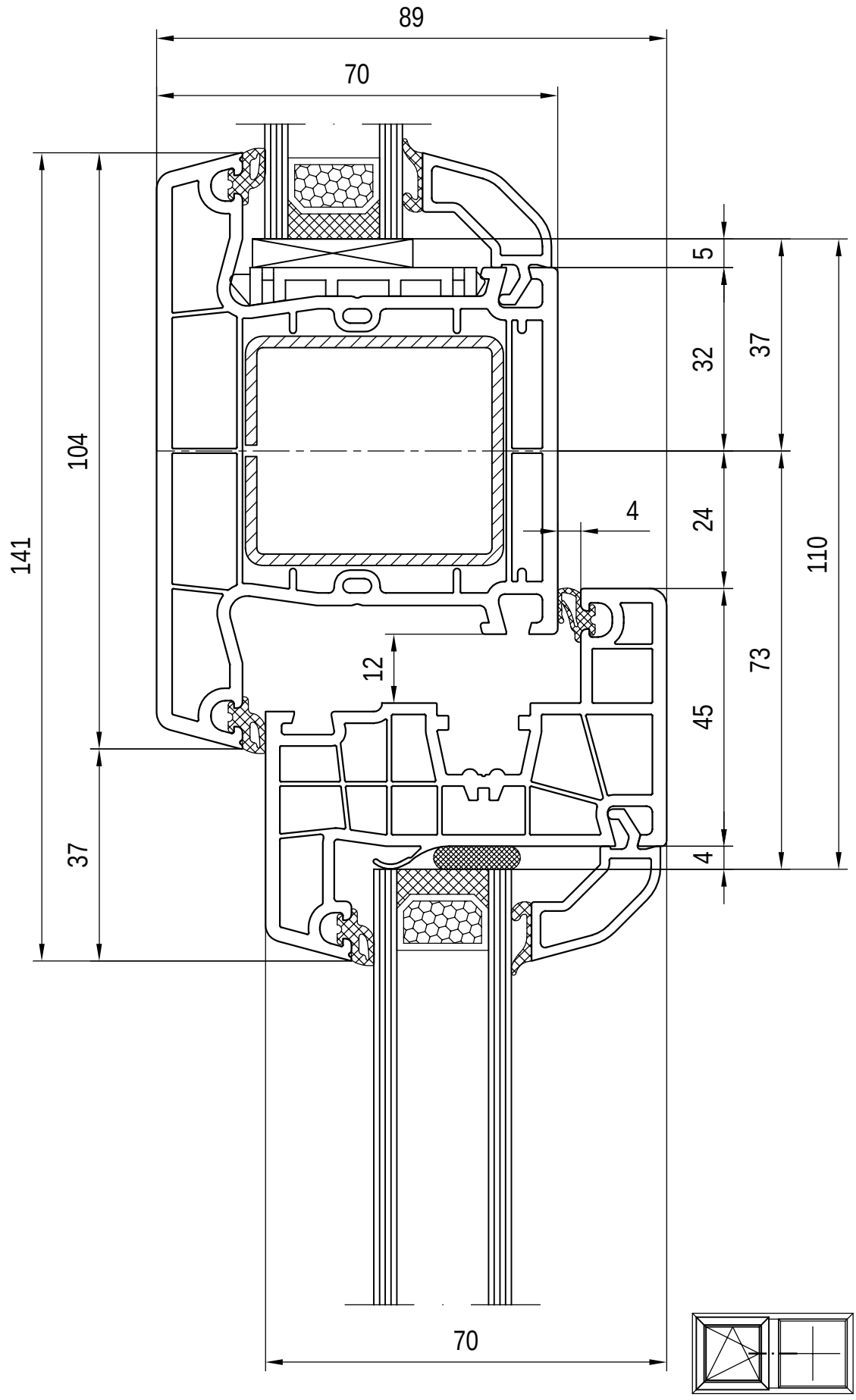

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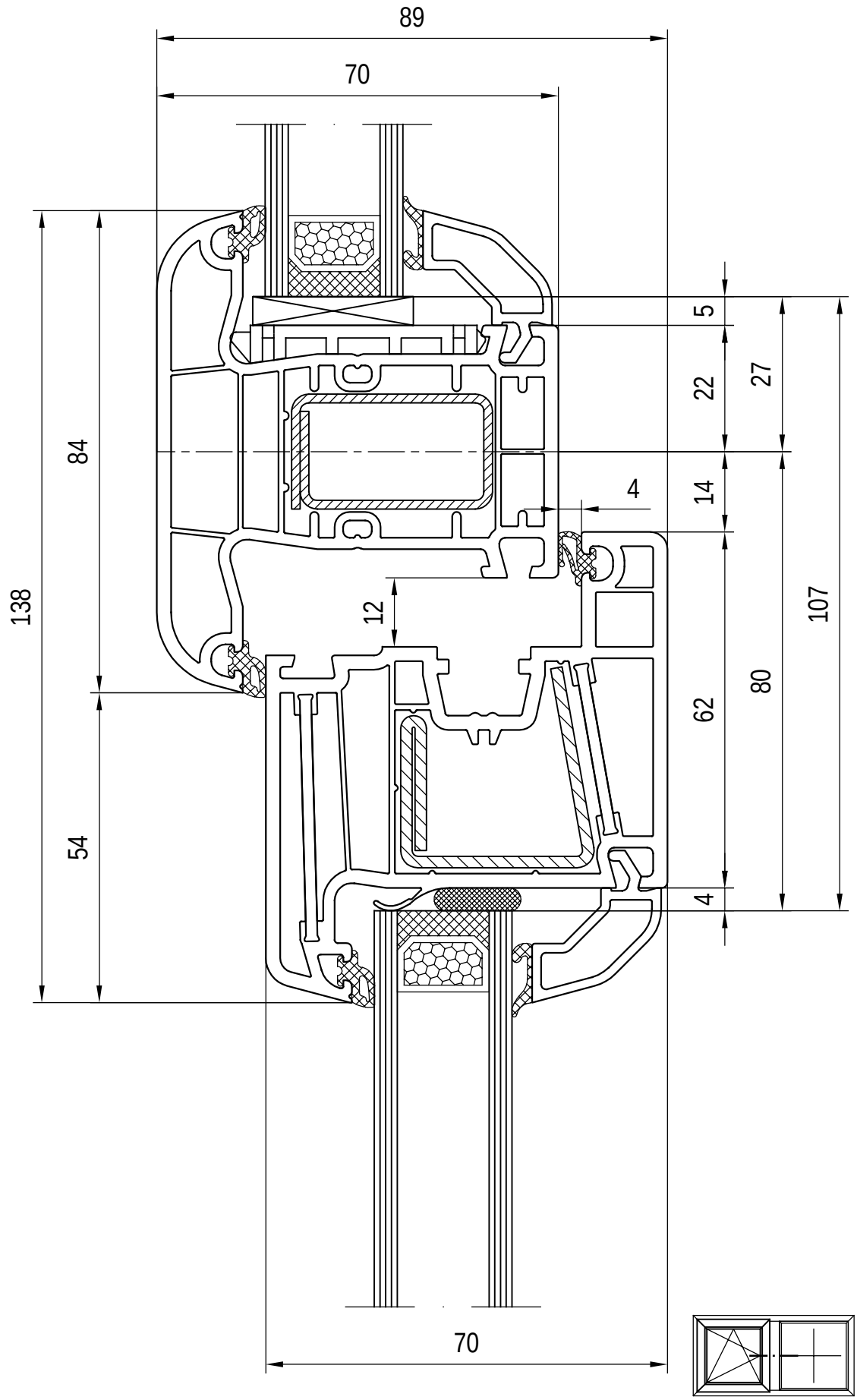


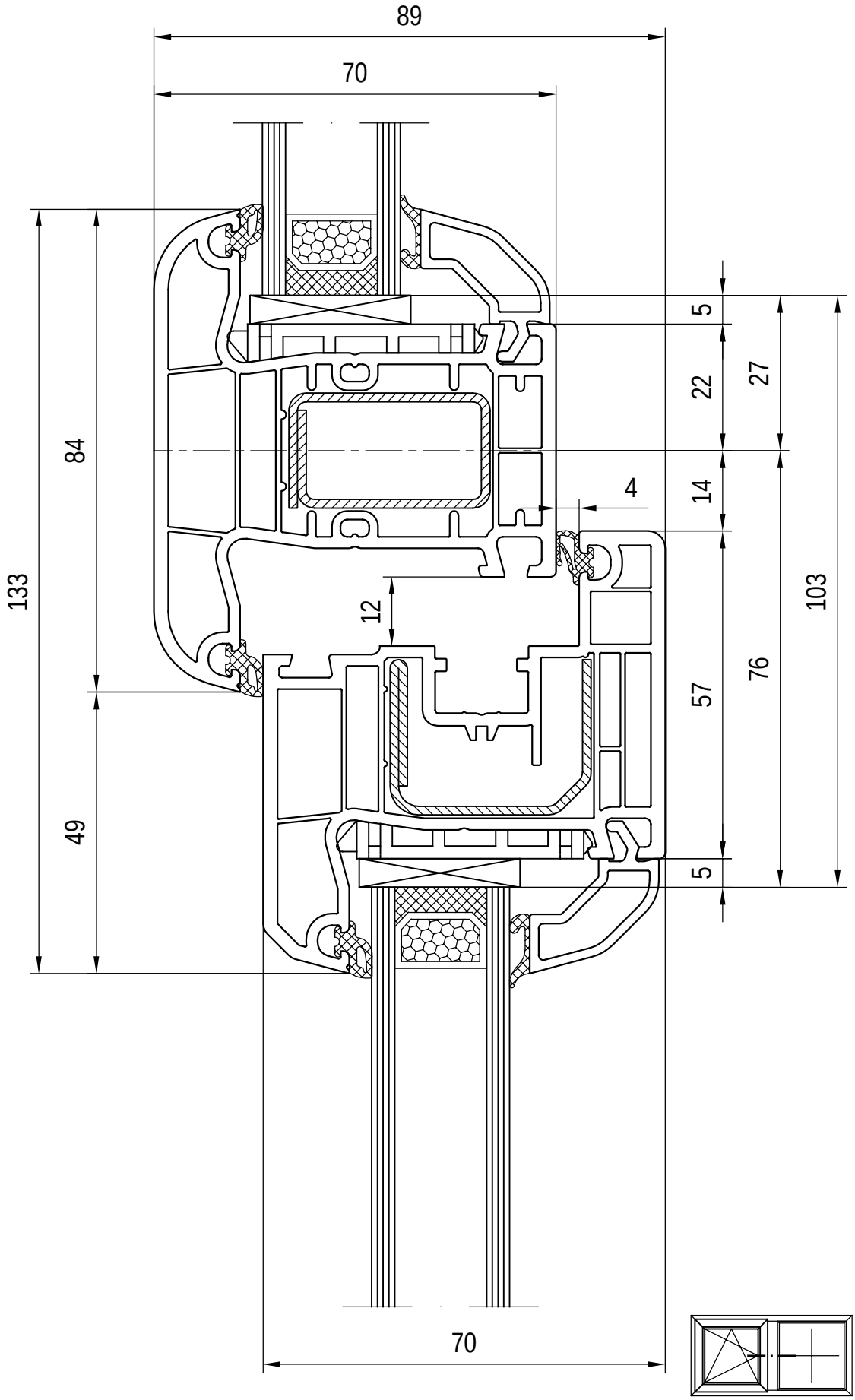


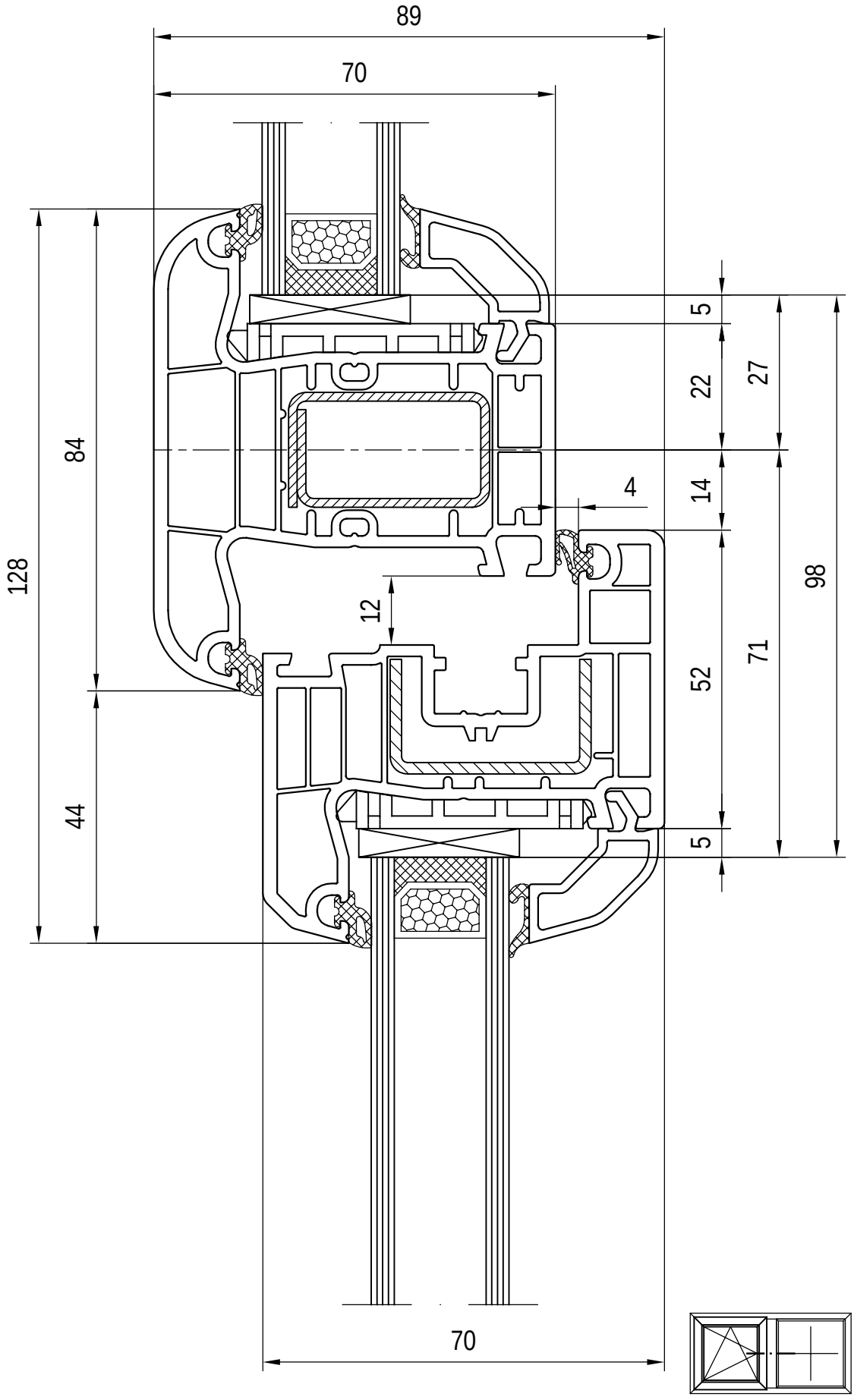
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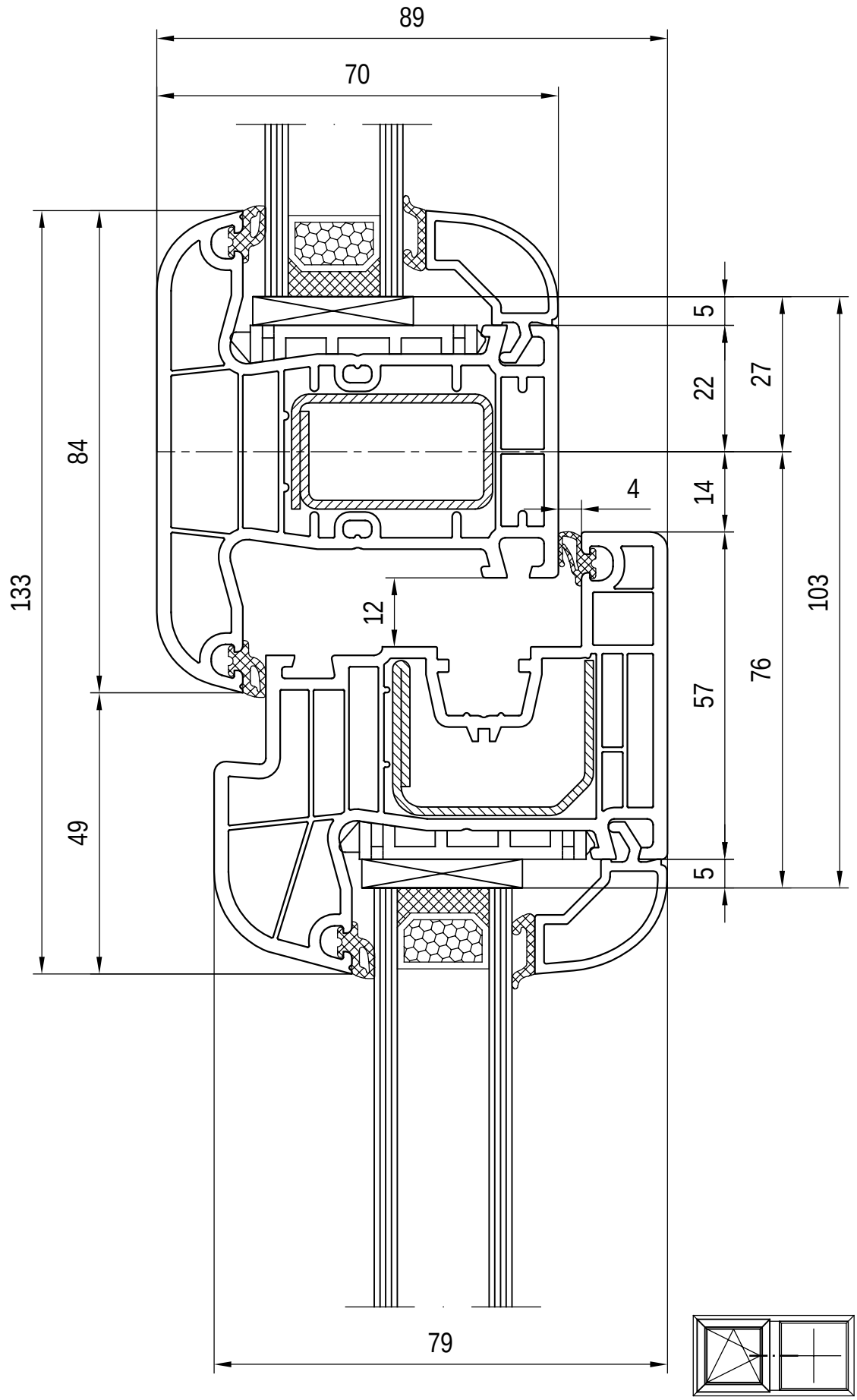

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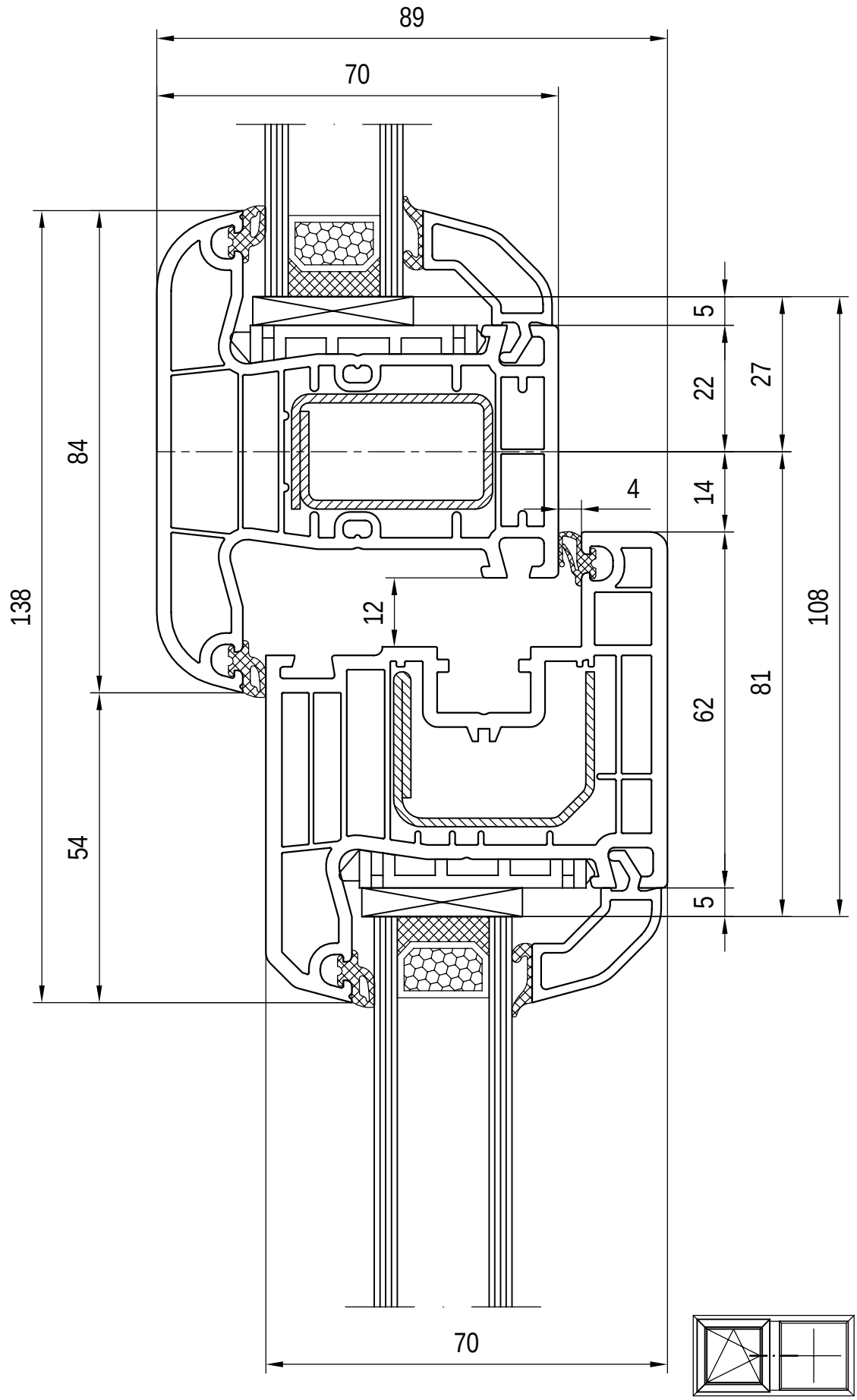

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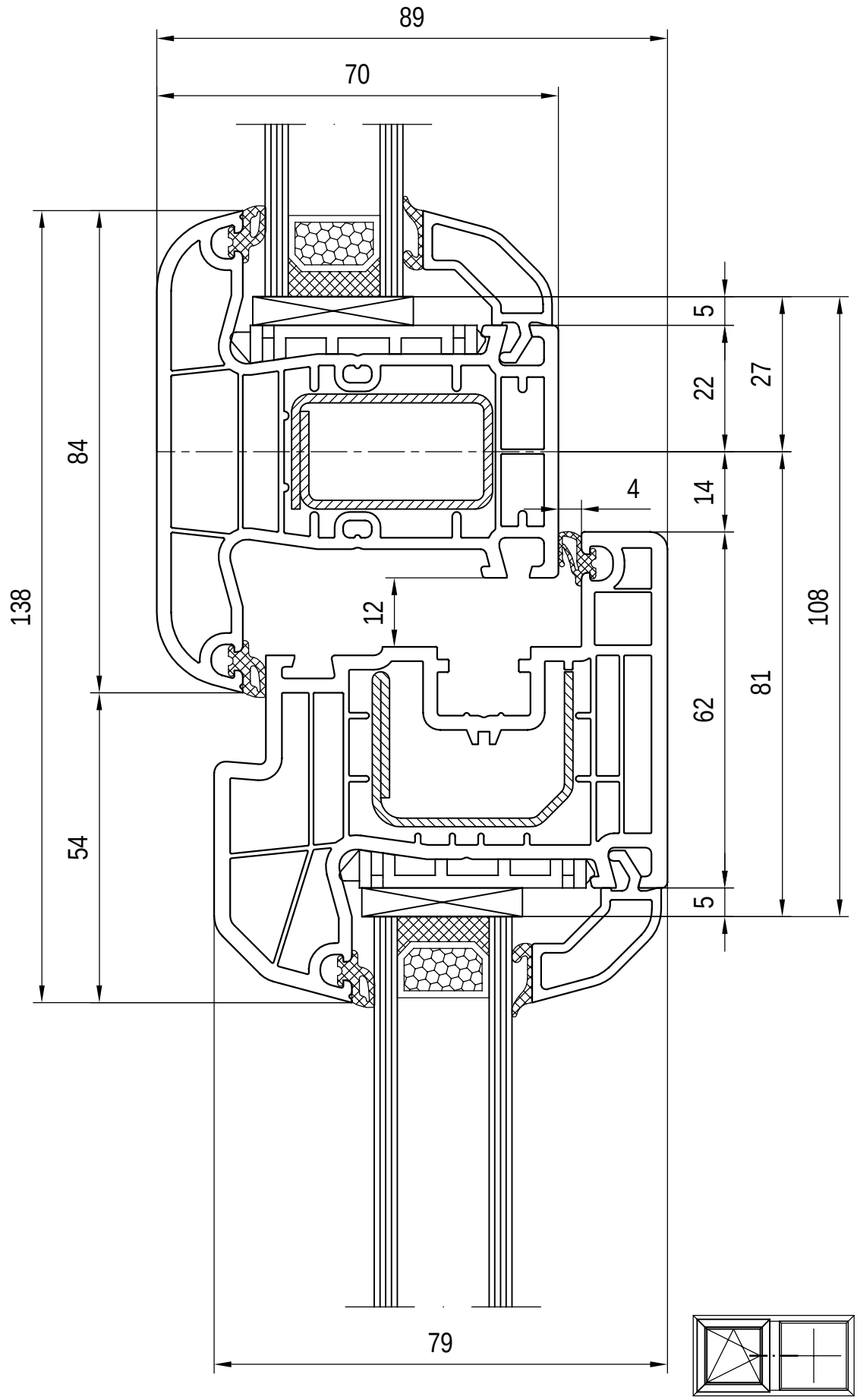

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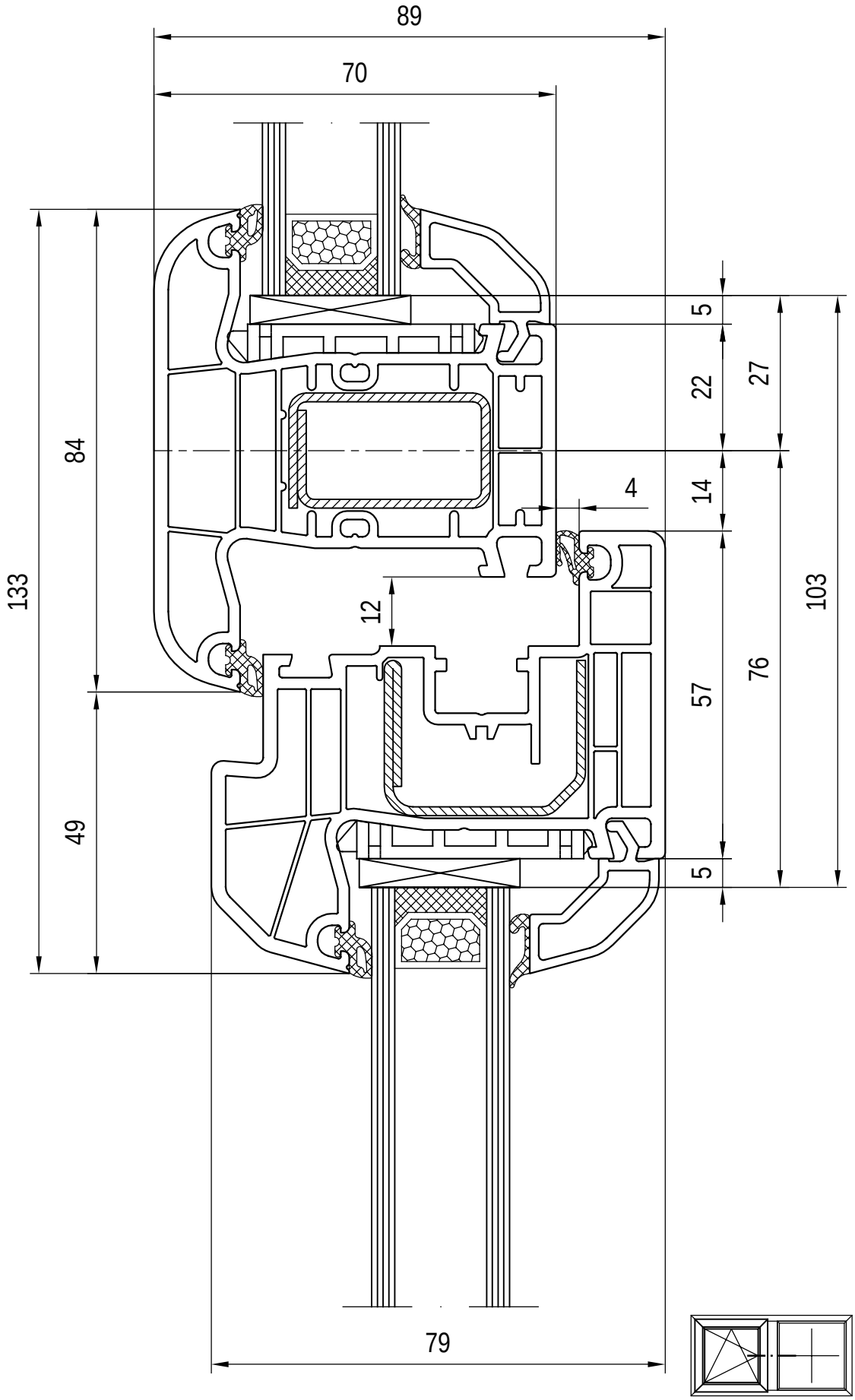

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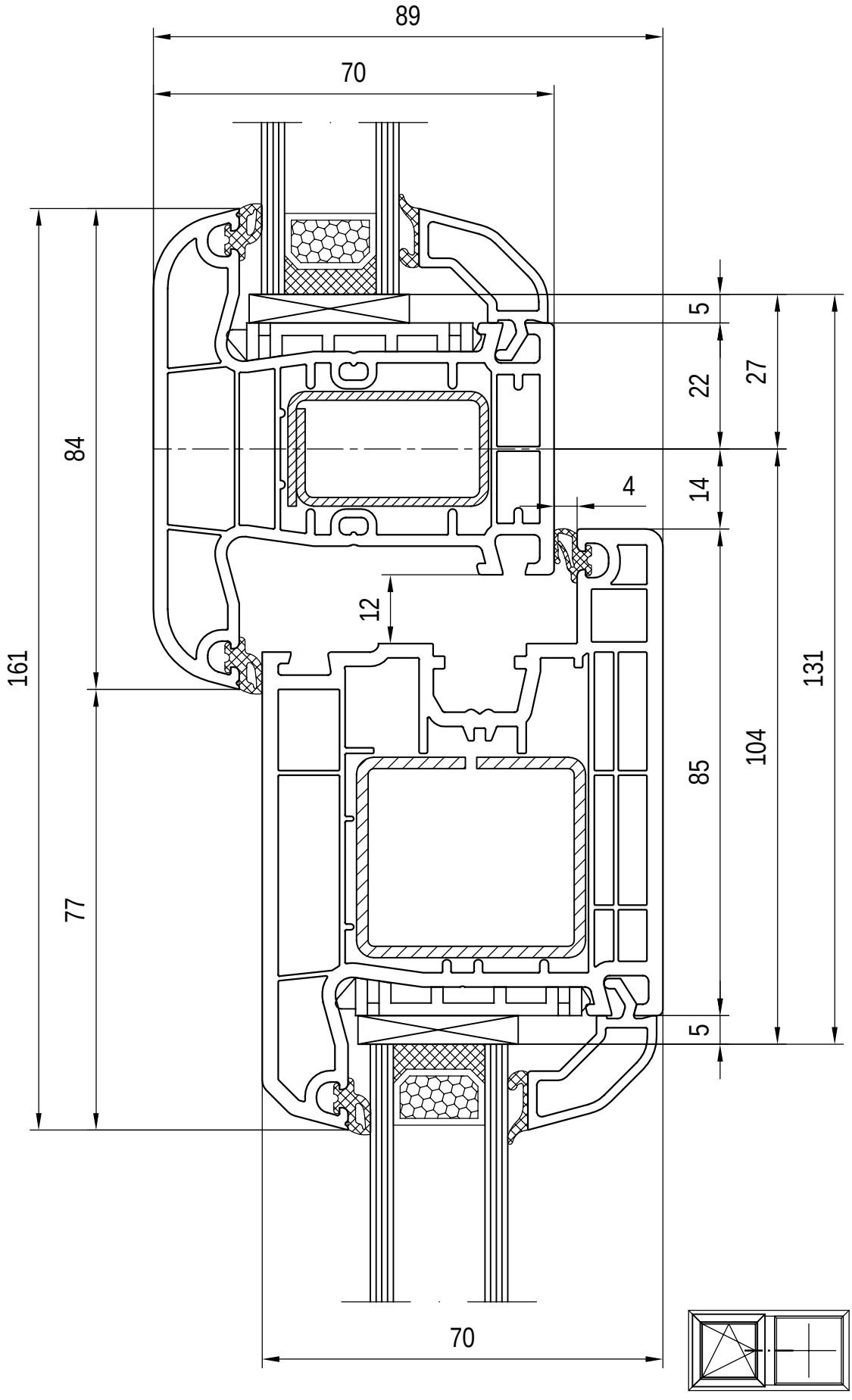

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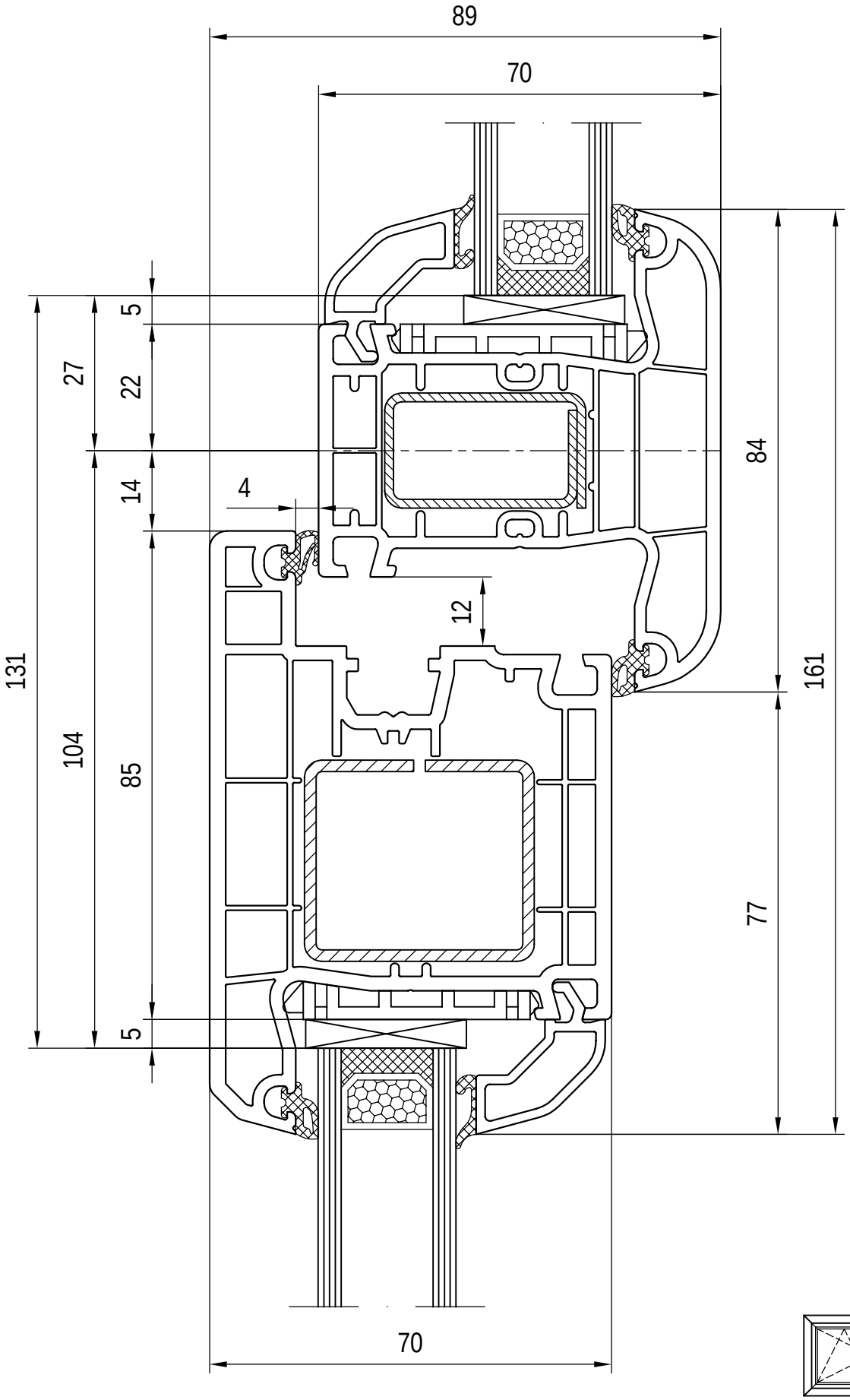

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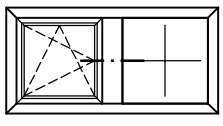

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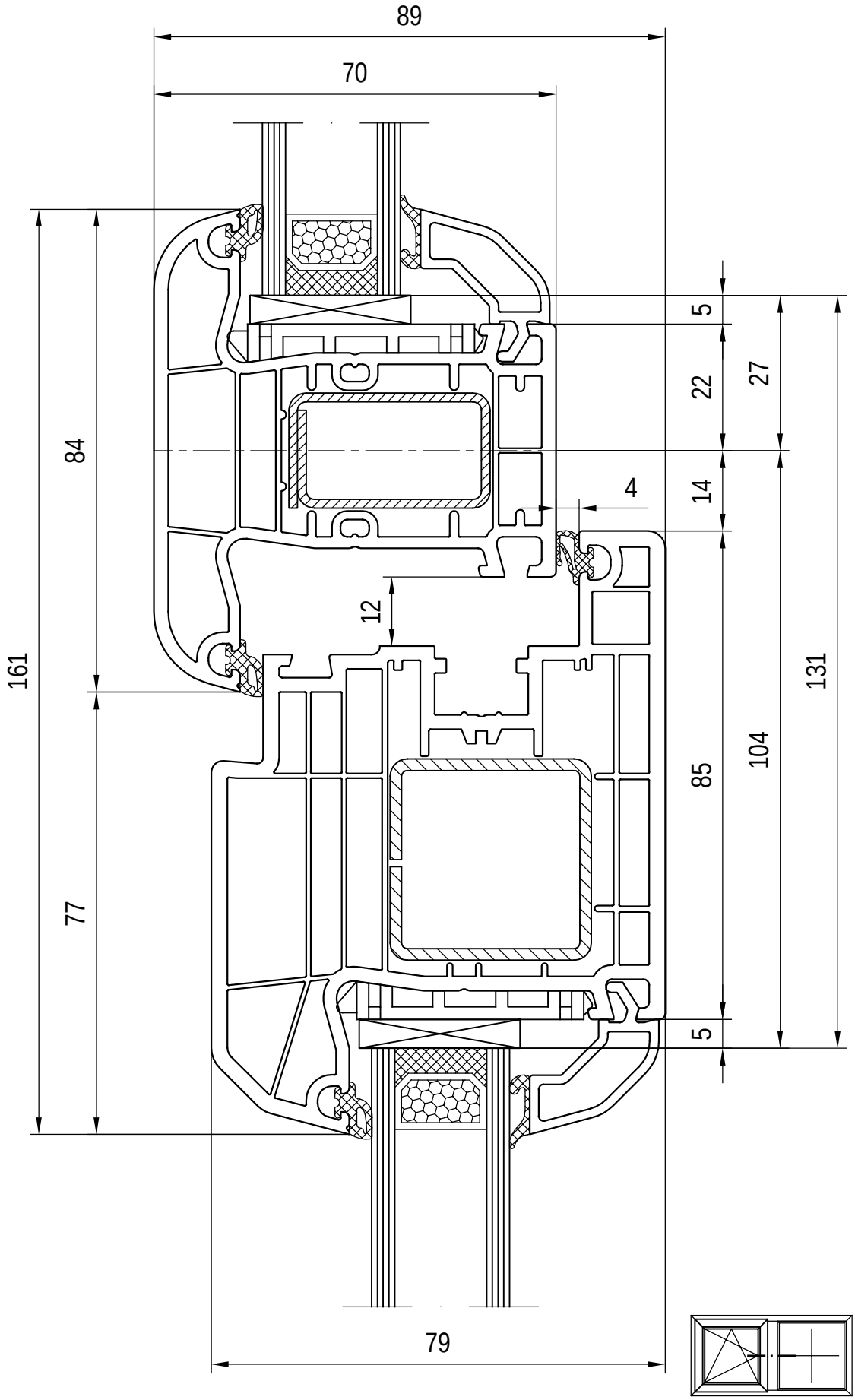

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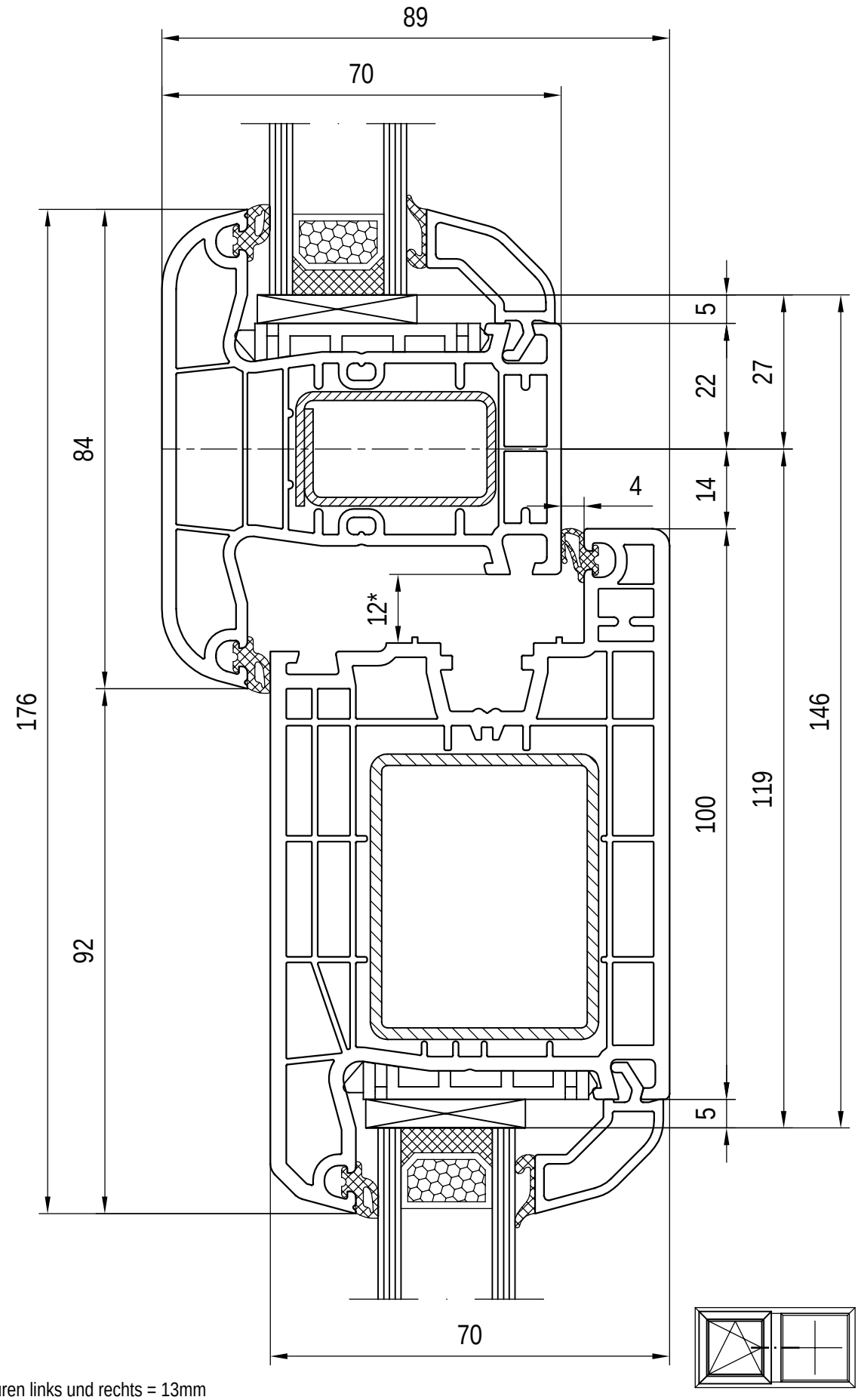

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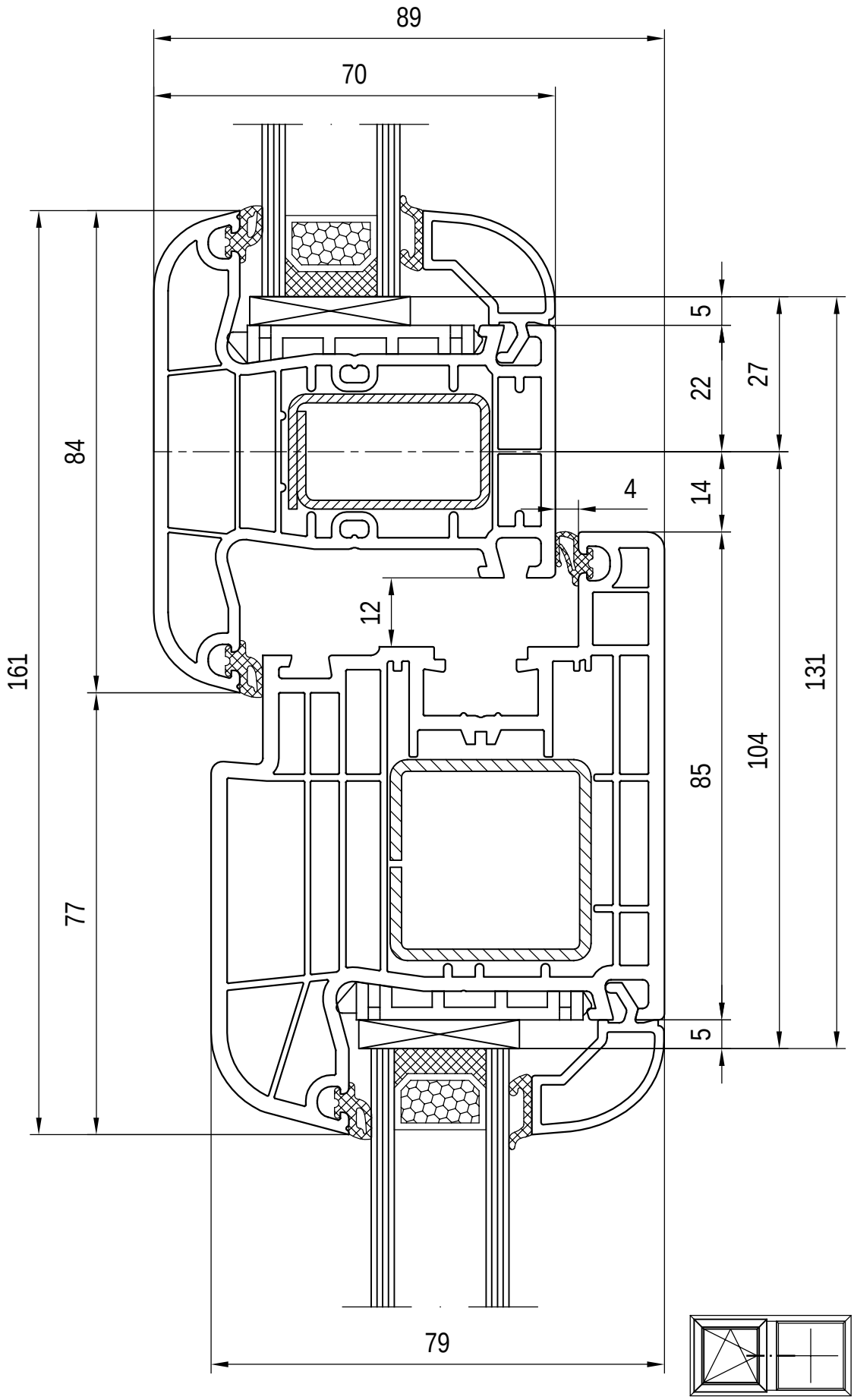

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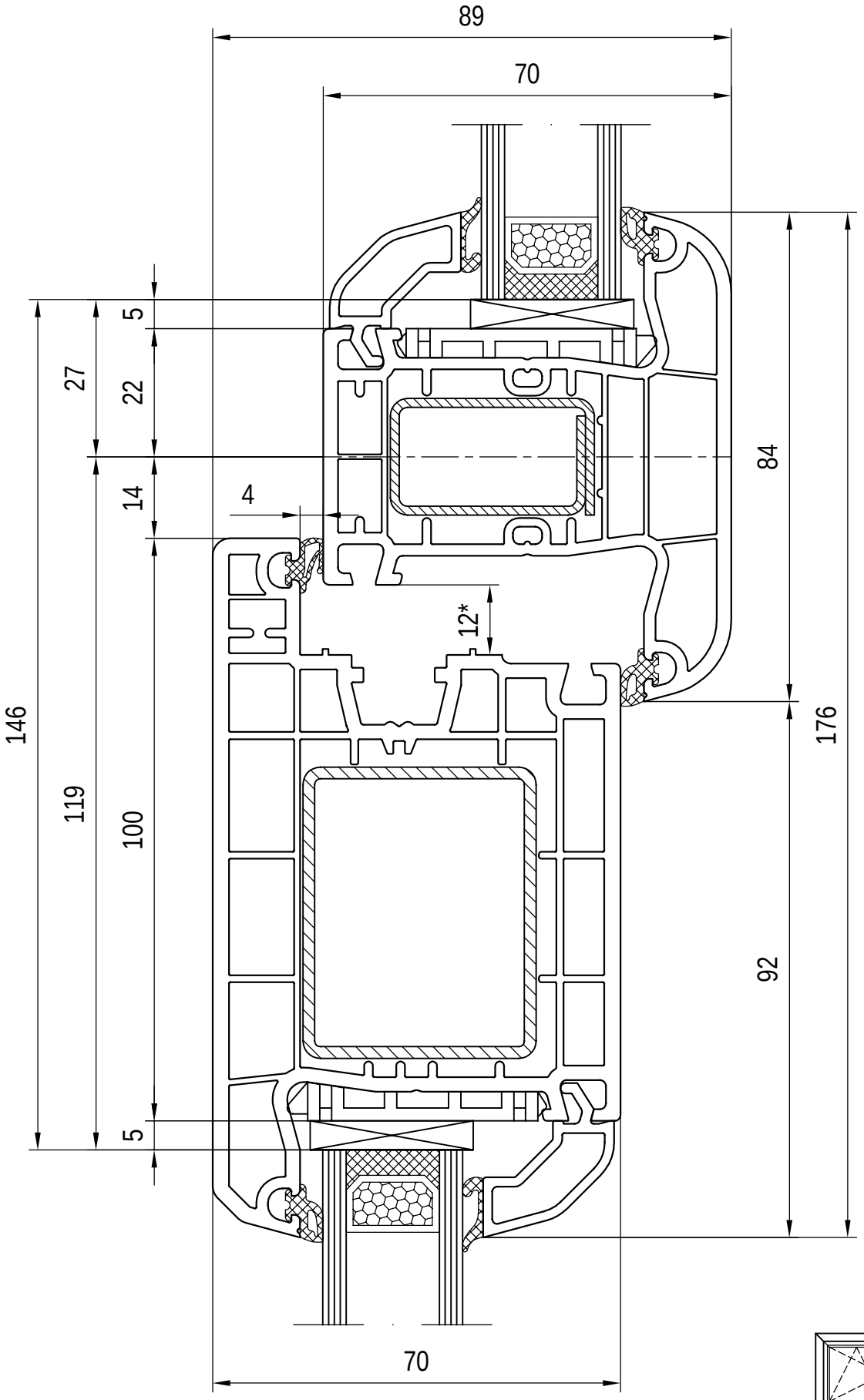


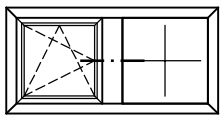

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* Falzluft bei Haustüren links und rechts = 13mm


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* Falzluft bei Haustüren links und rechts = 13mm

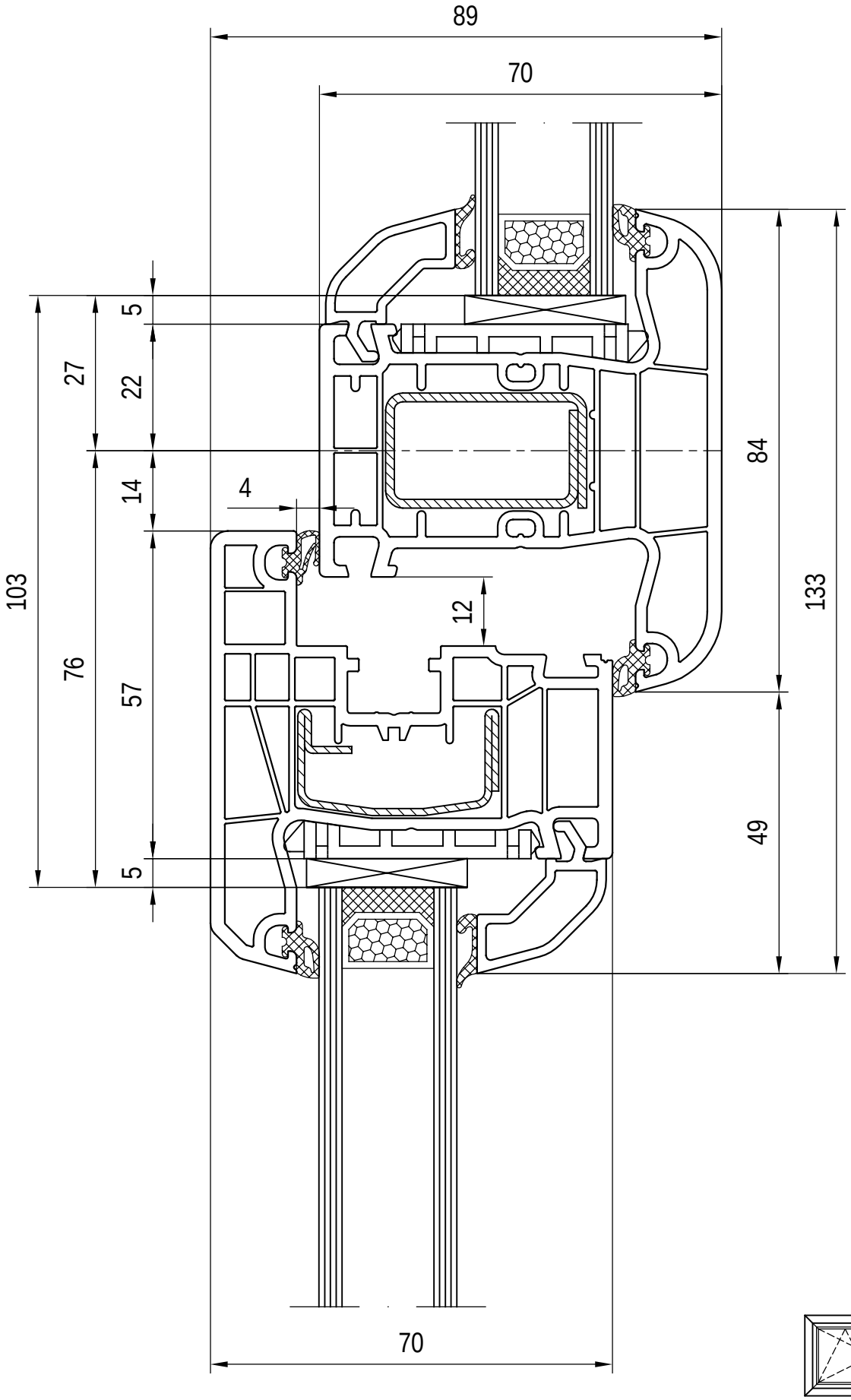
Technische Änderungen und Irrtümer vorbehalten!

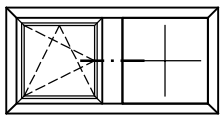
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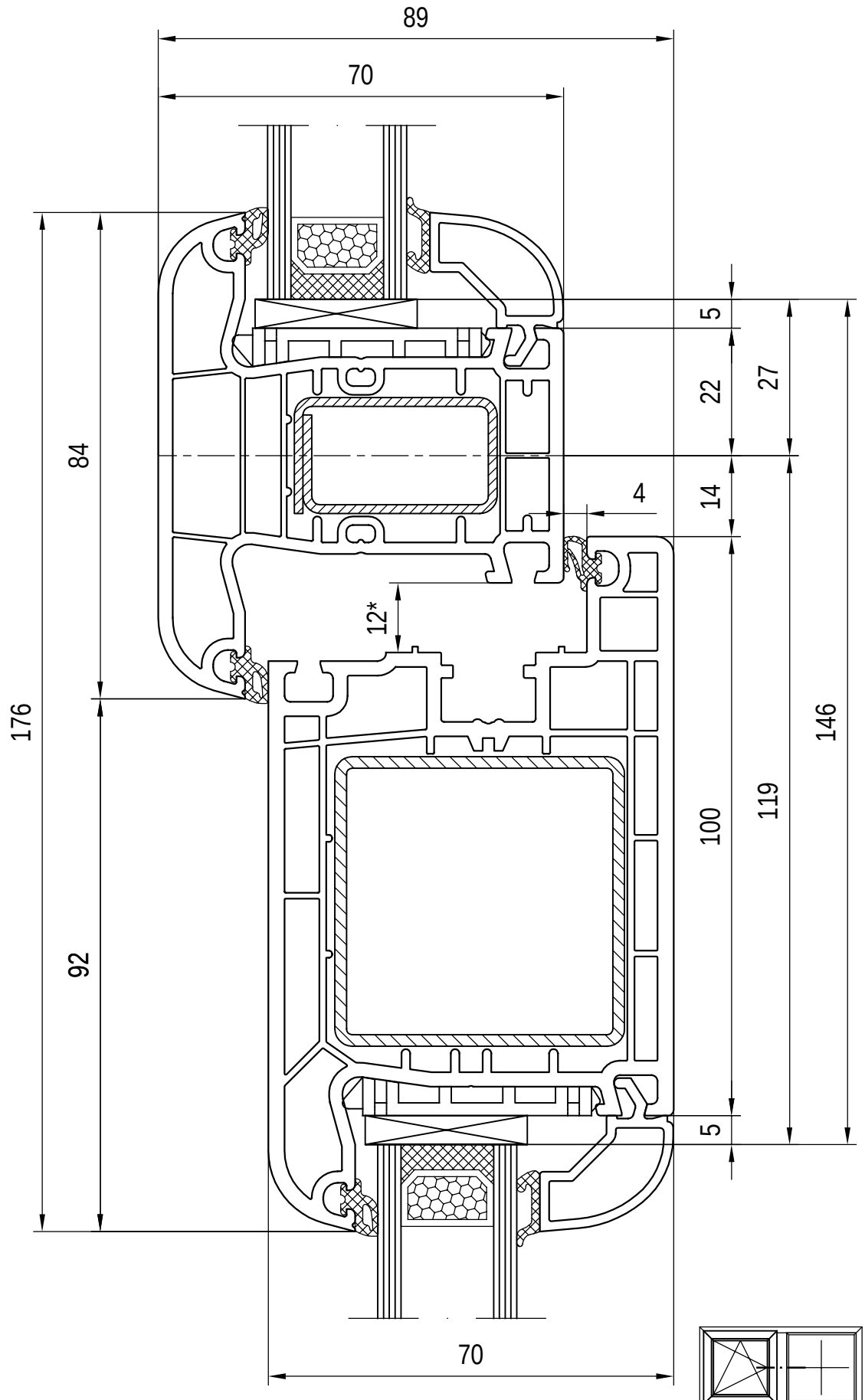
Kombinationen: Flügel - Pfosten - Festverglasung

Glasleiste 120846/120876

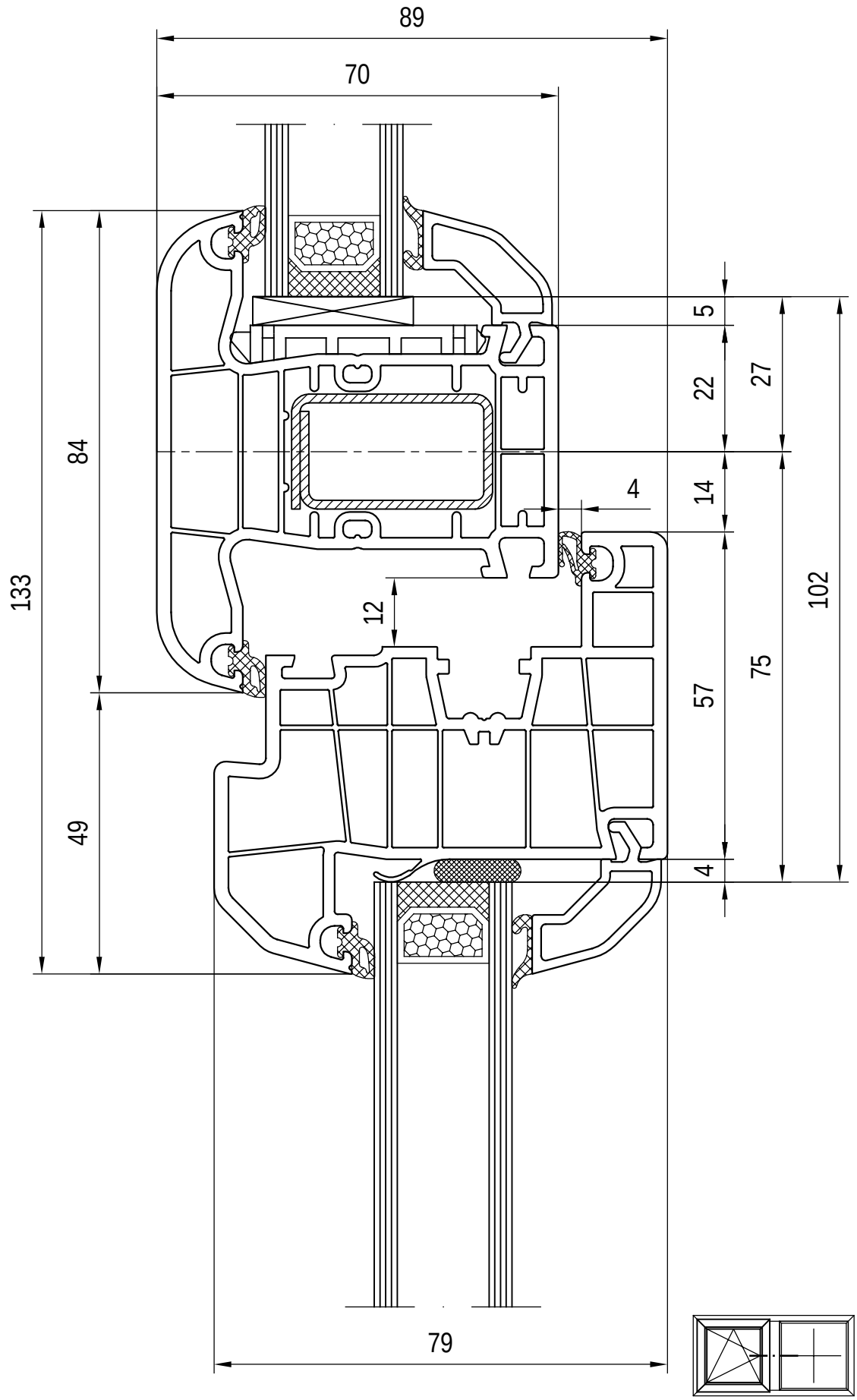
Pfosten 140x47
Flügel 140x35

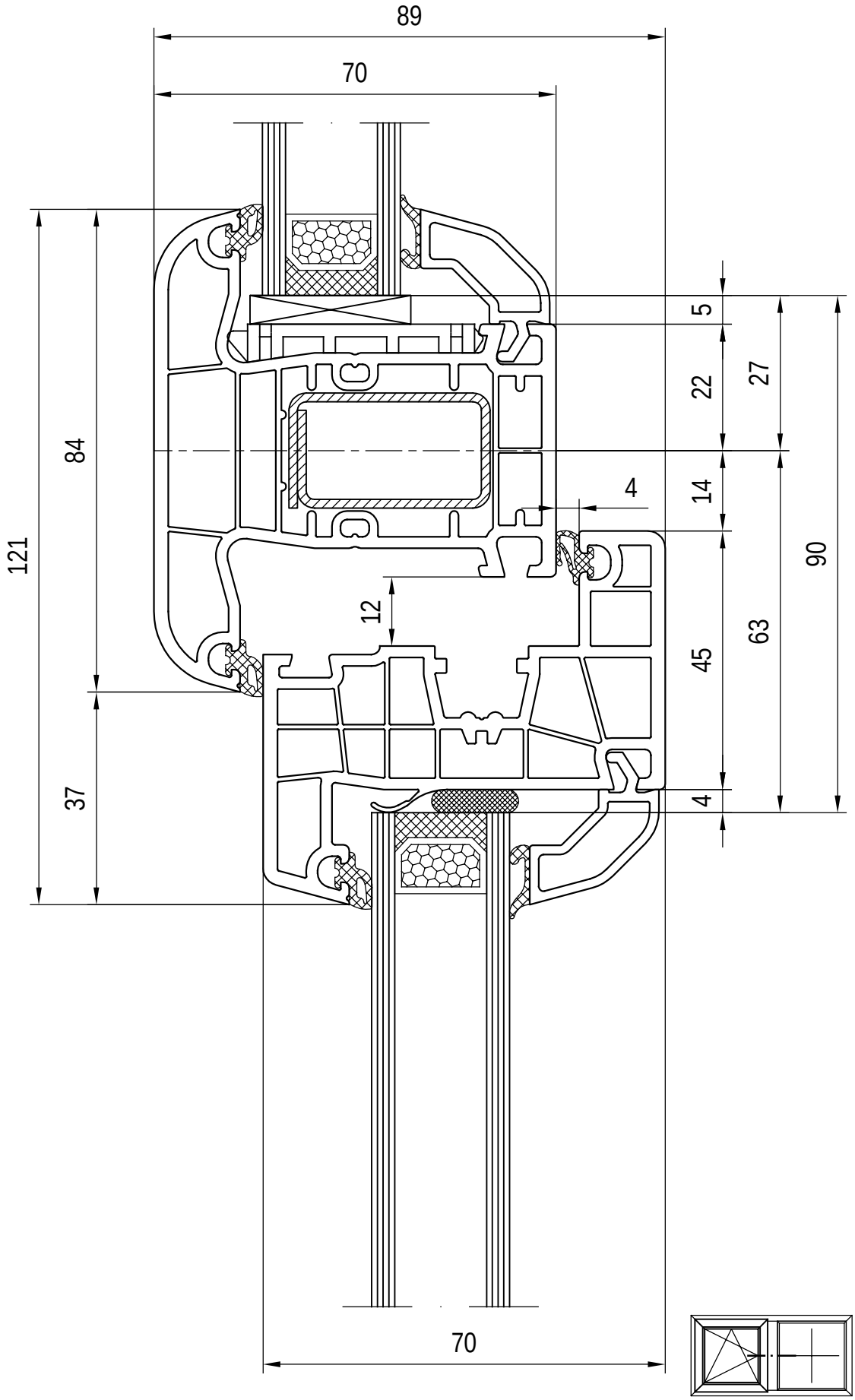

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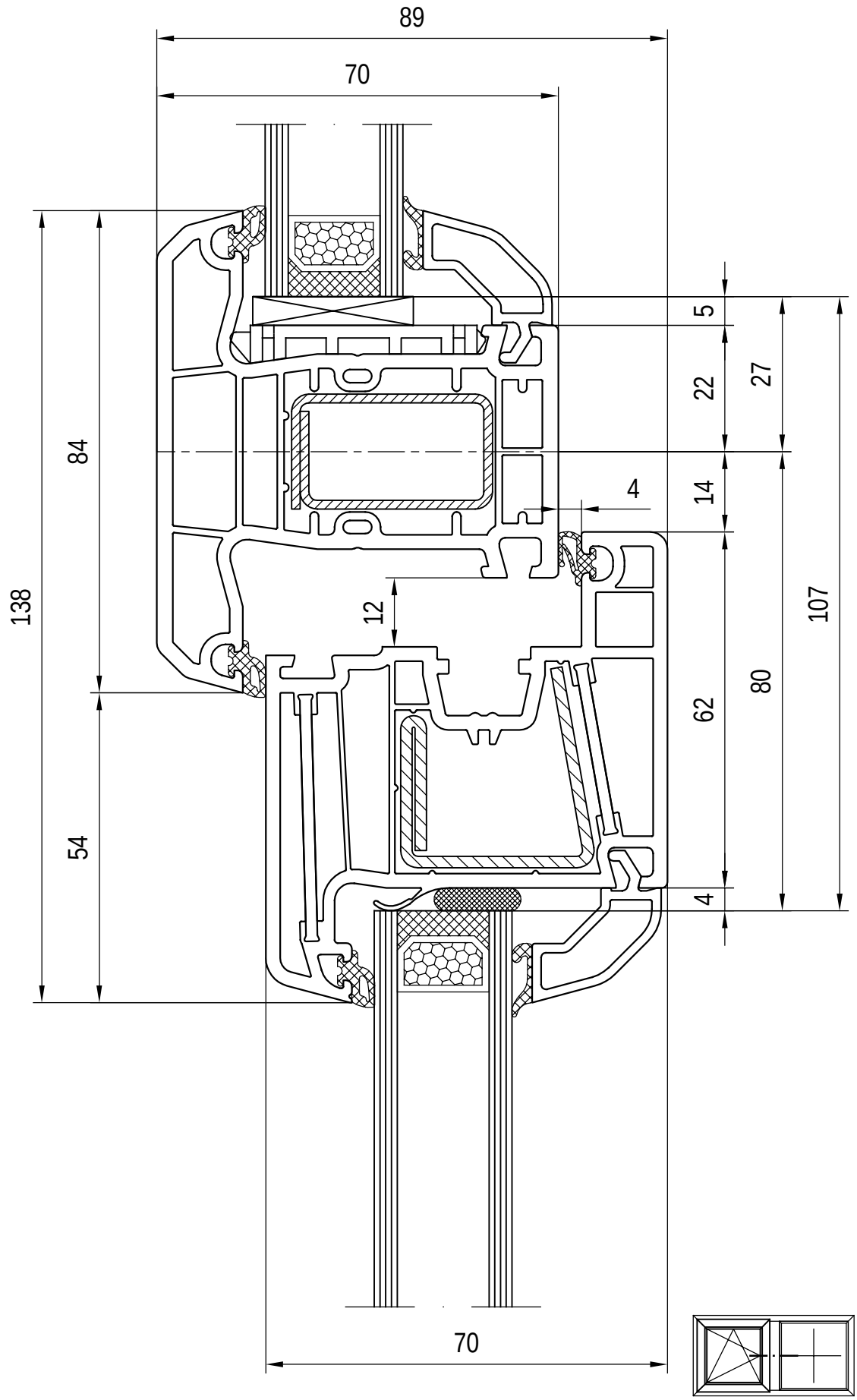


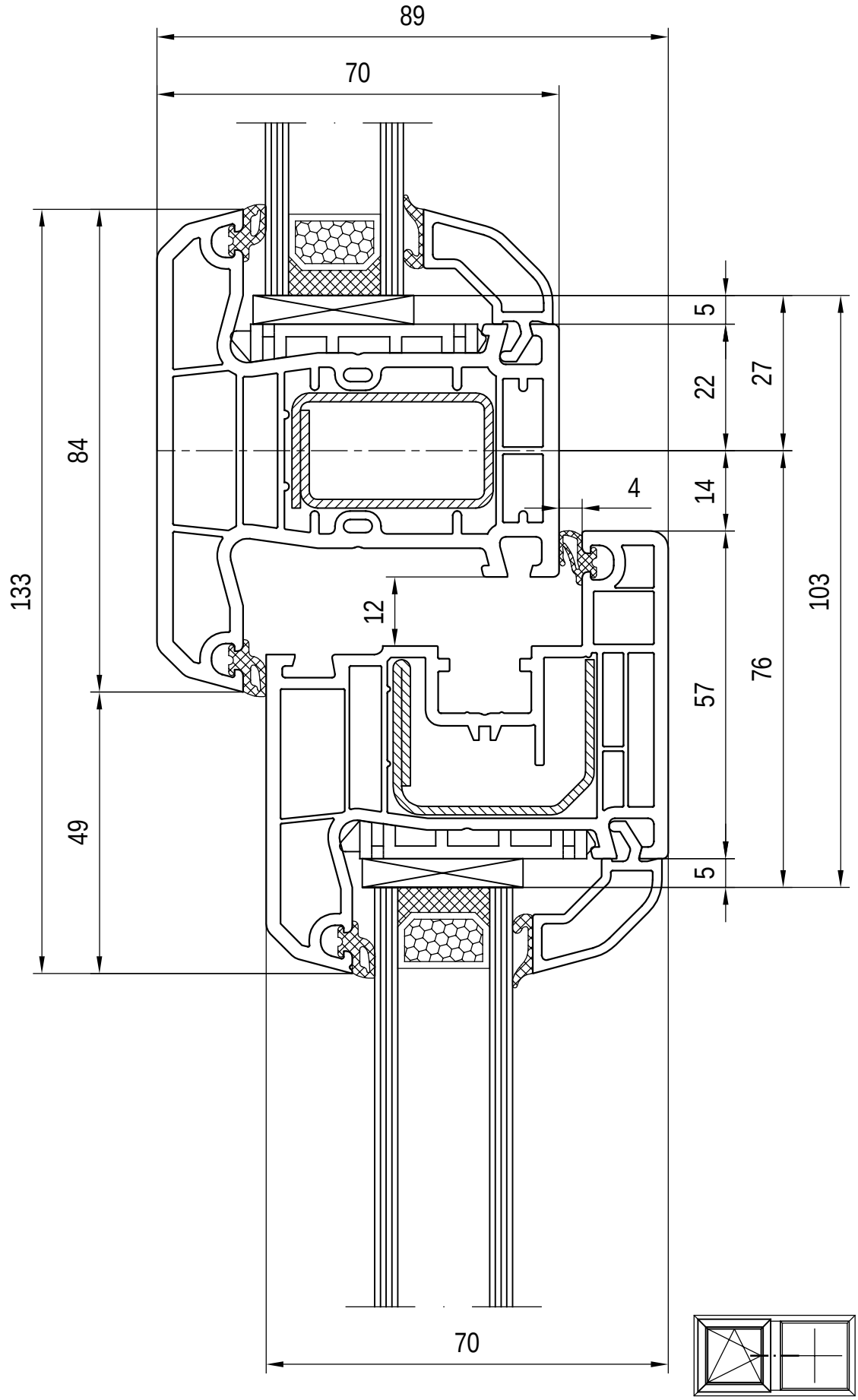


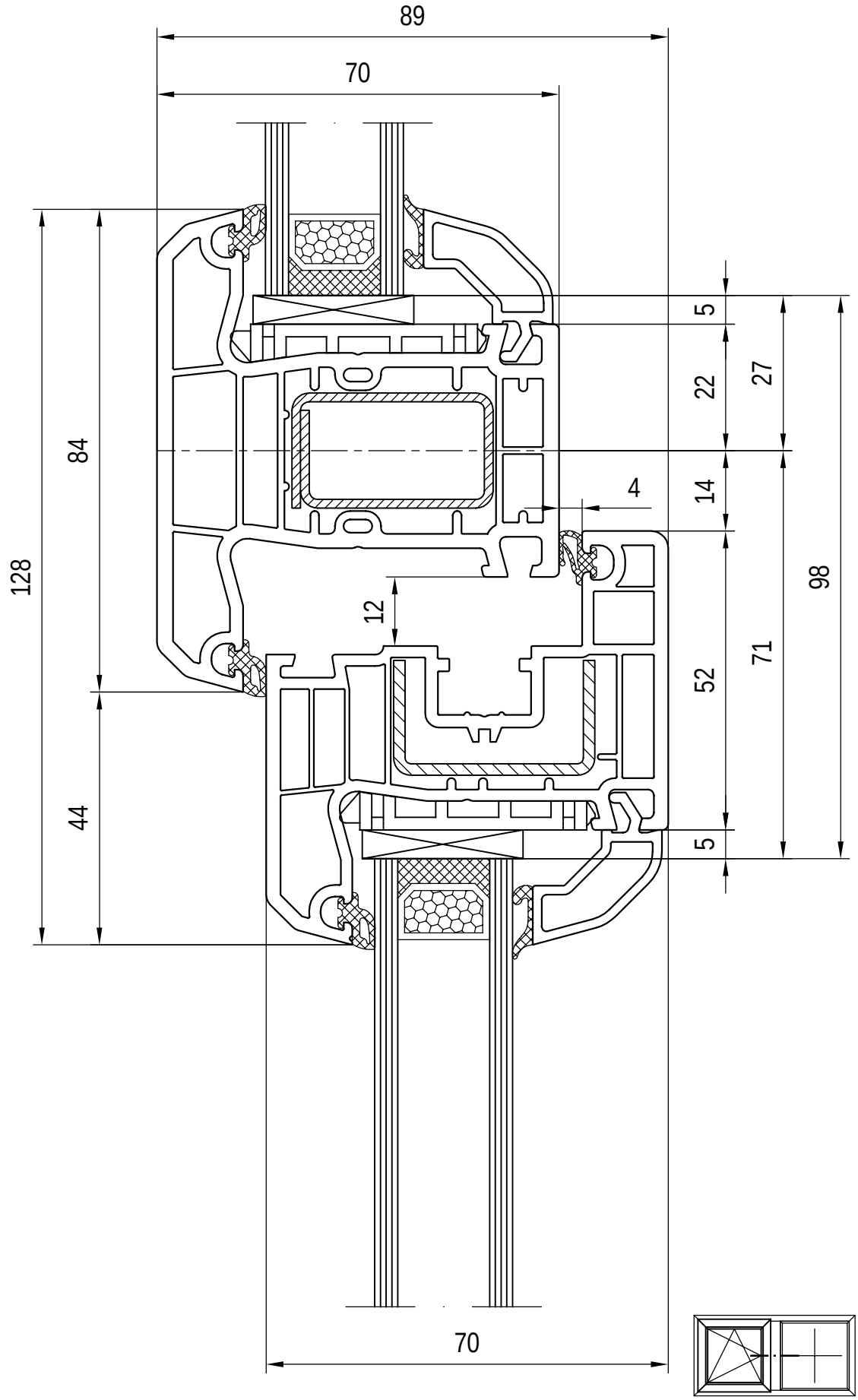
* Falzluft bei Haustüren links und rechts = 13mm

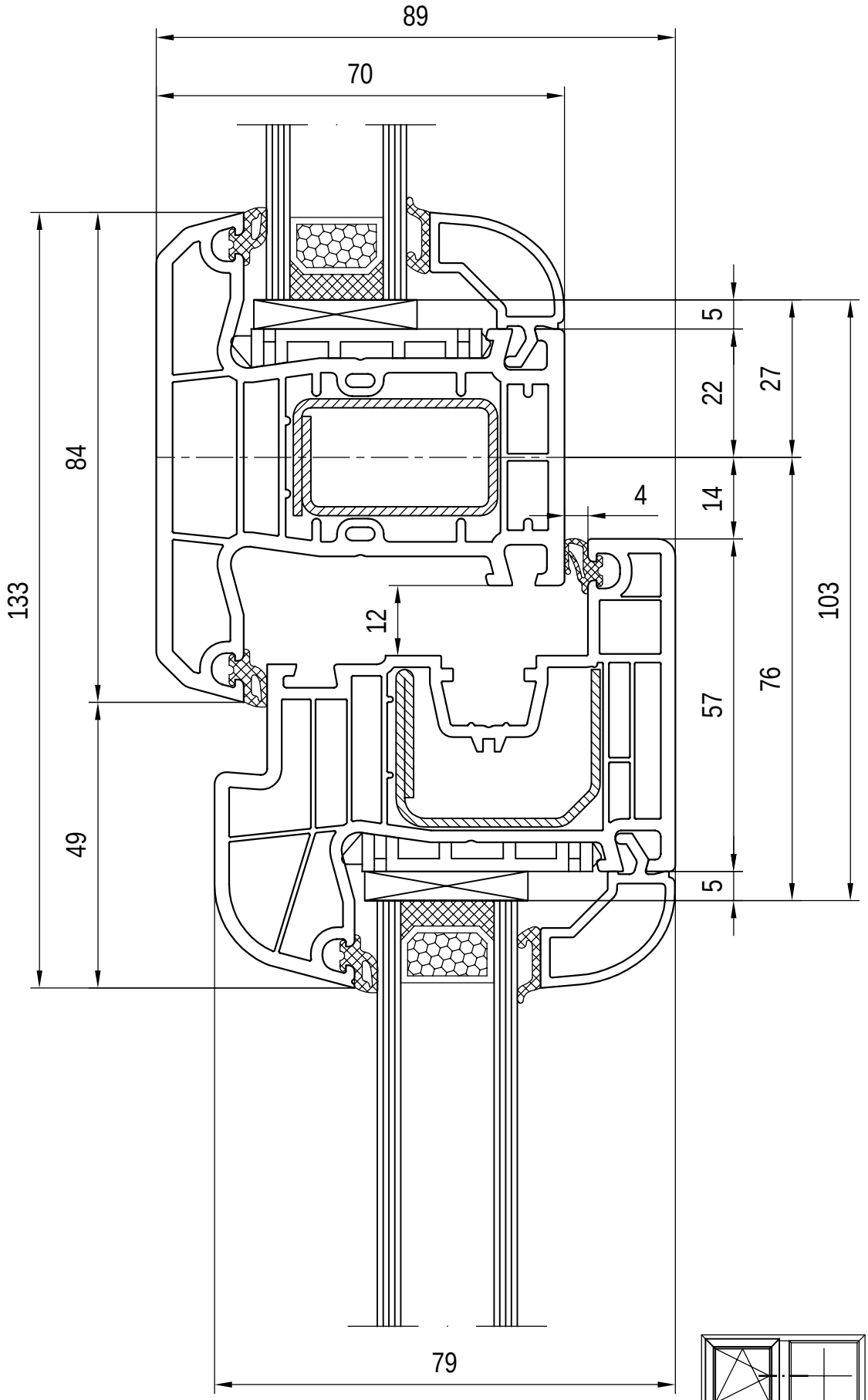

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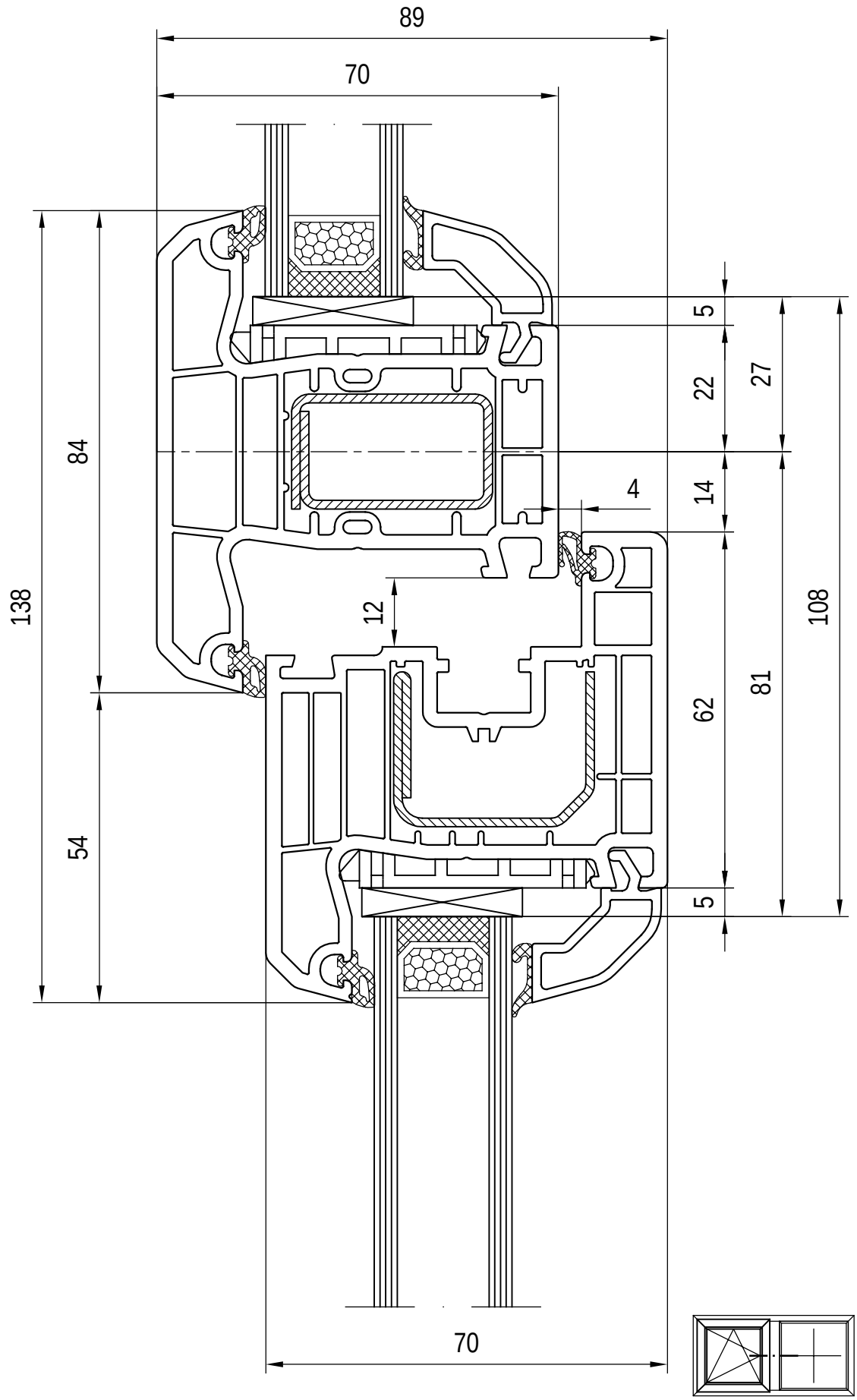

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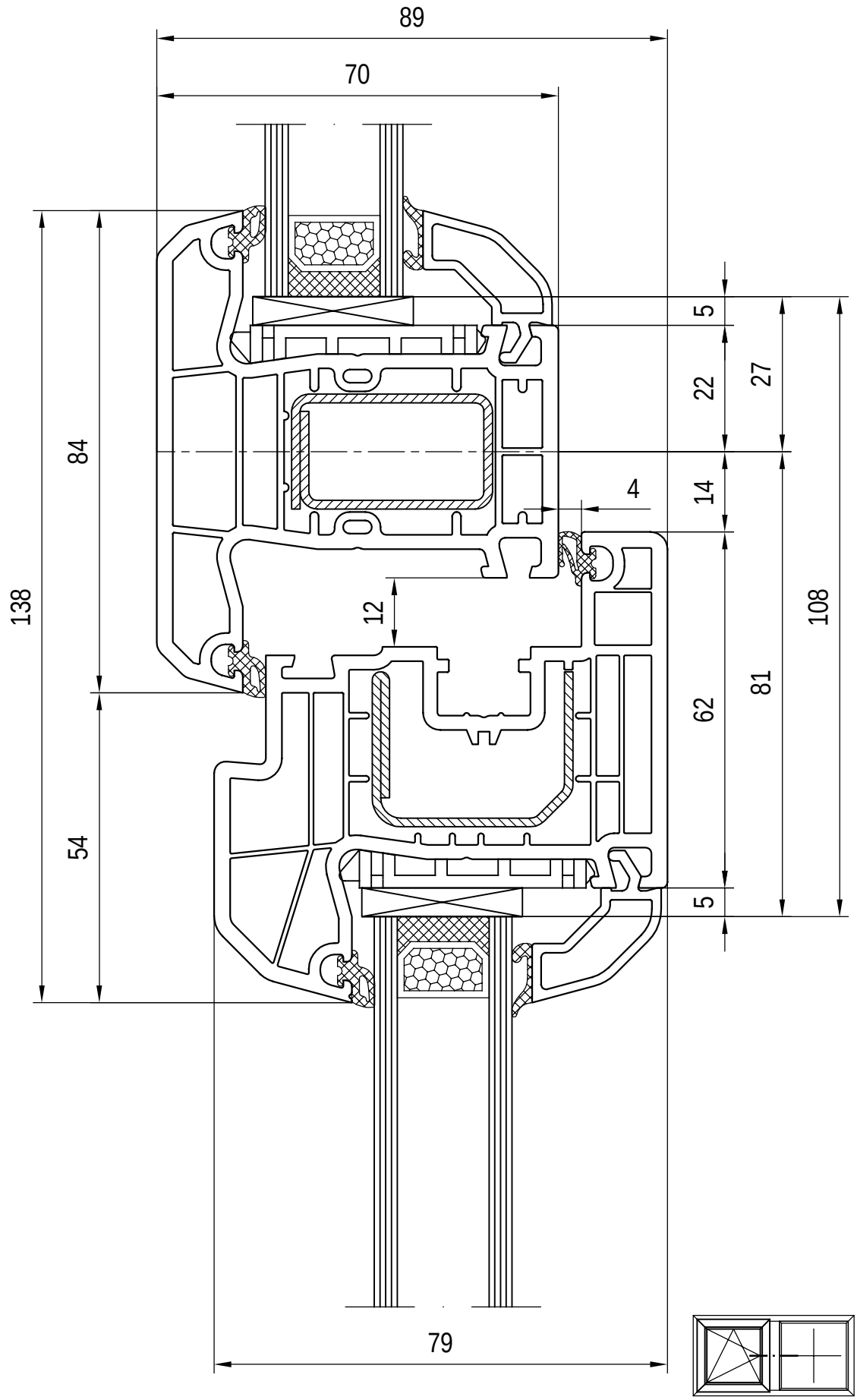

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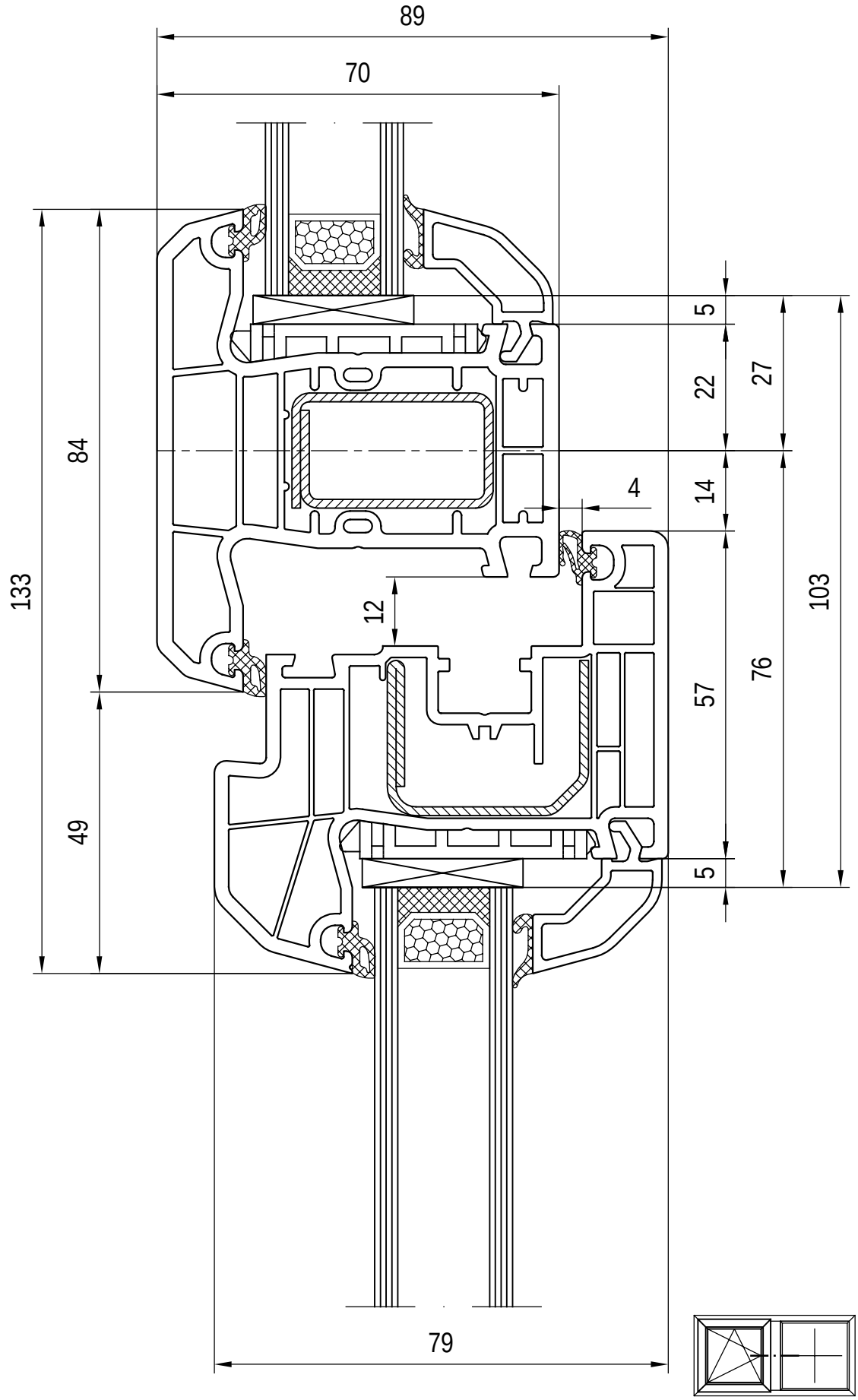

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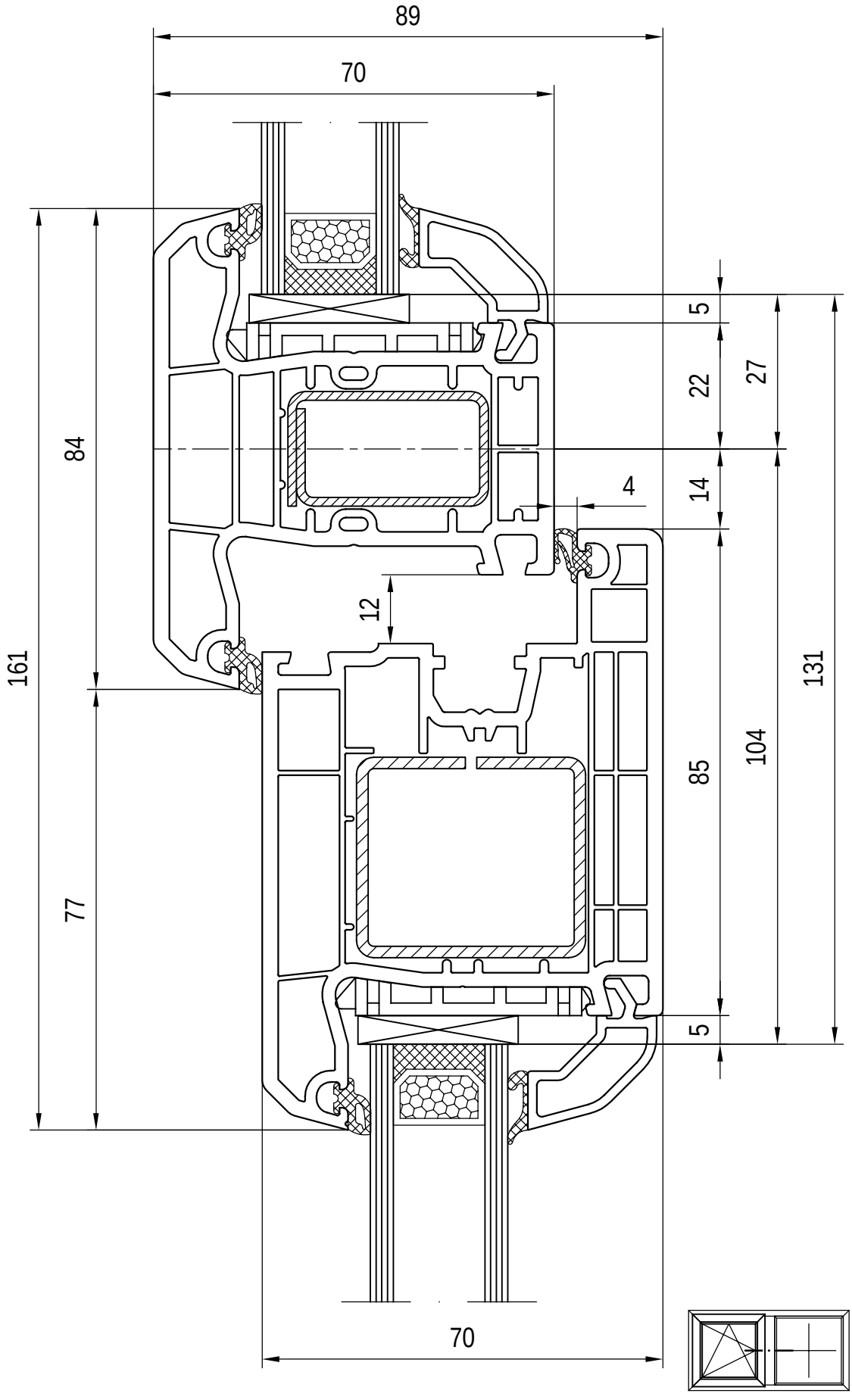

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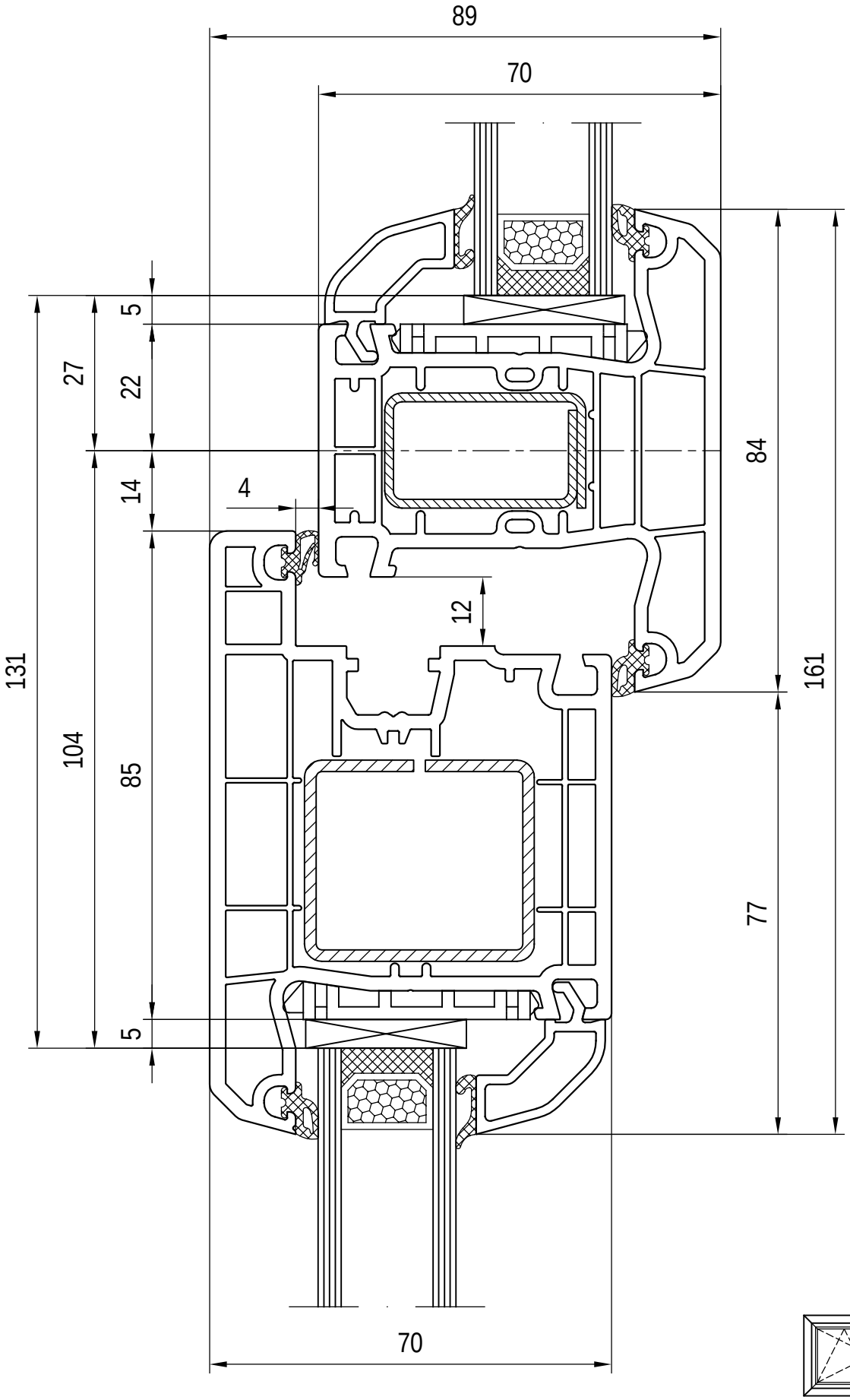

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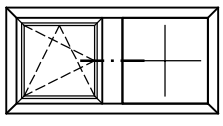

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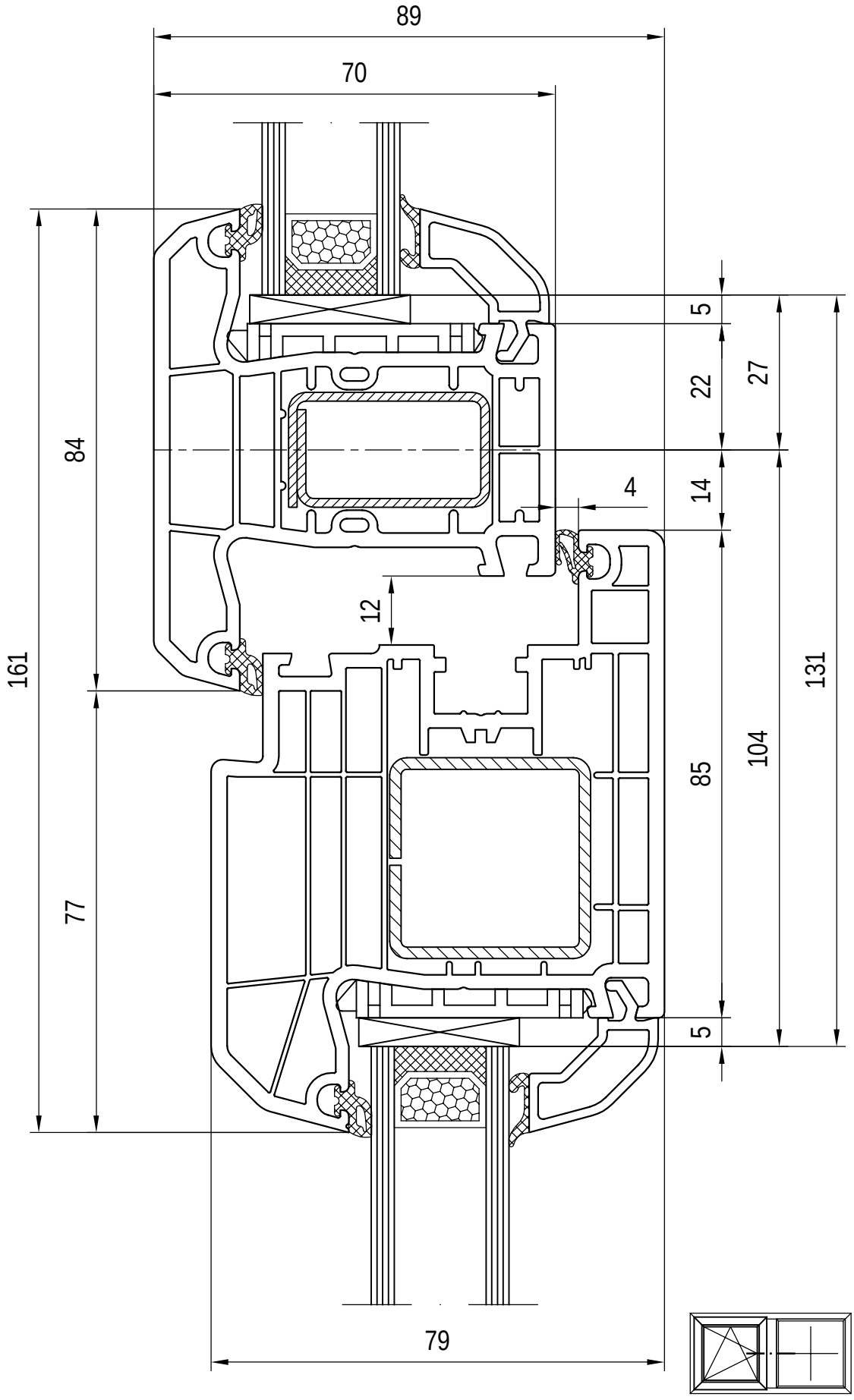

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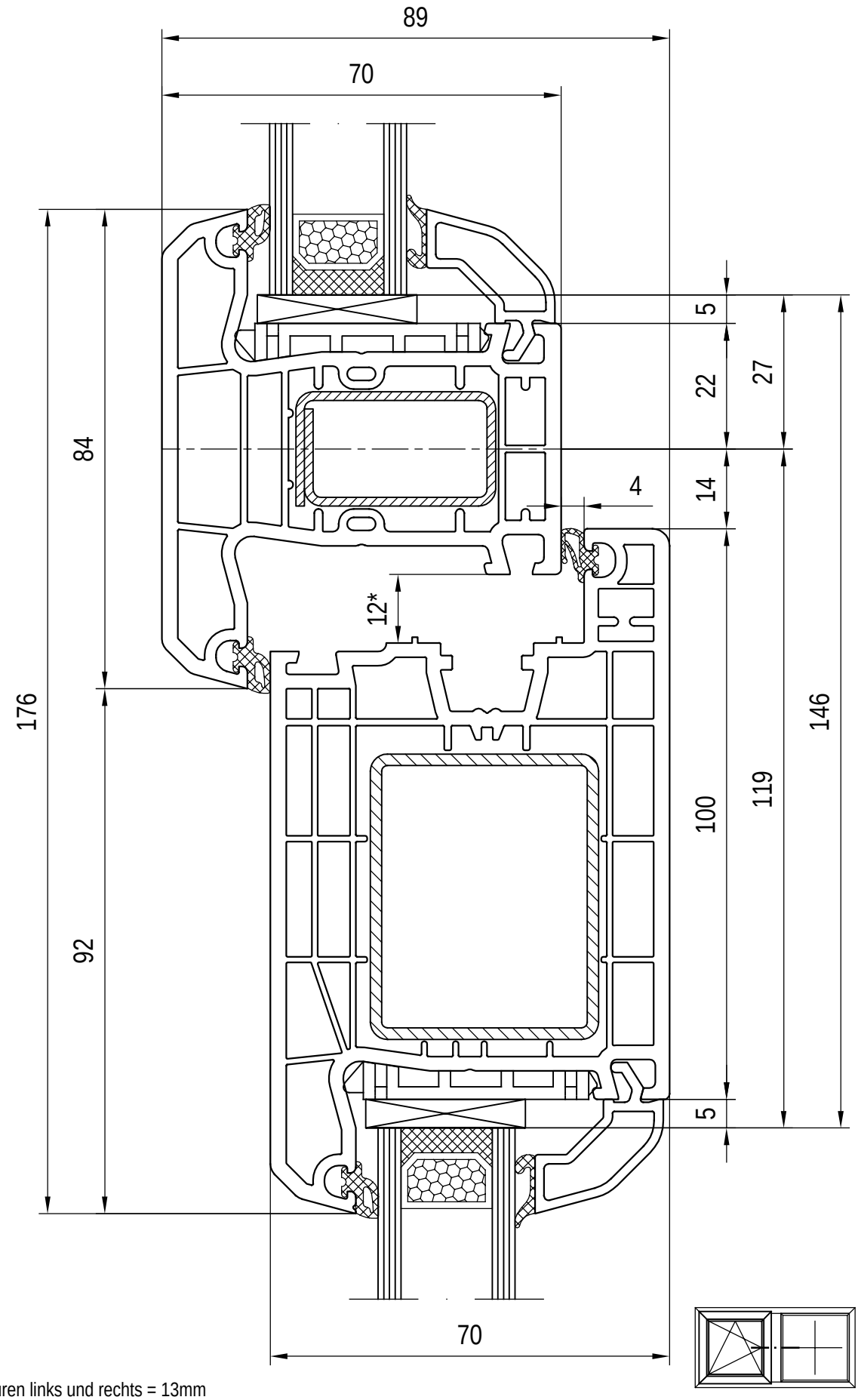

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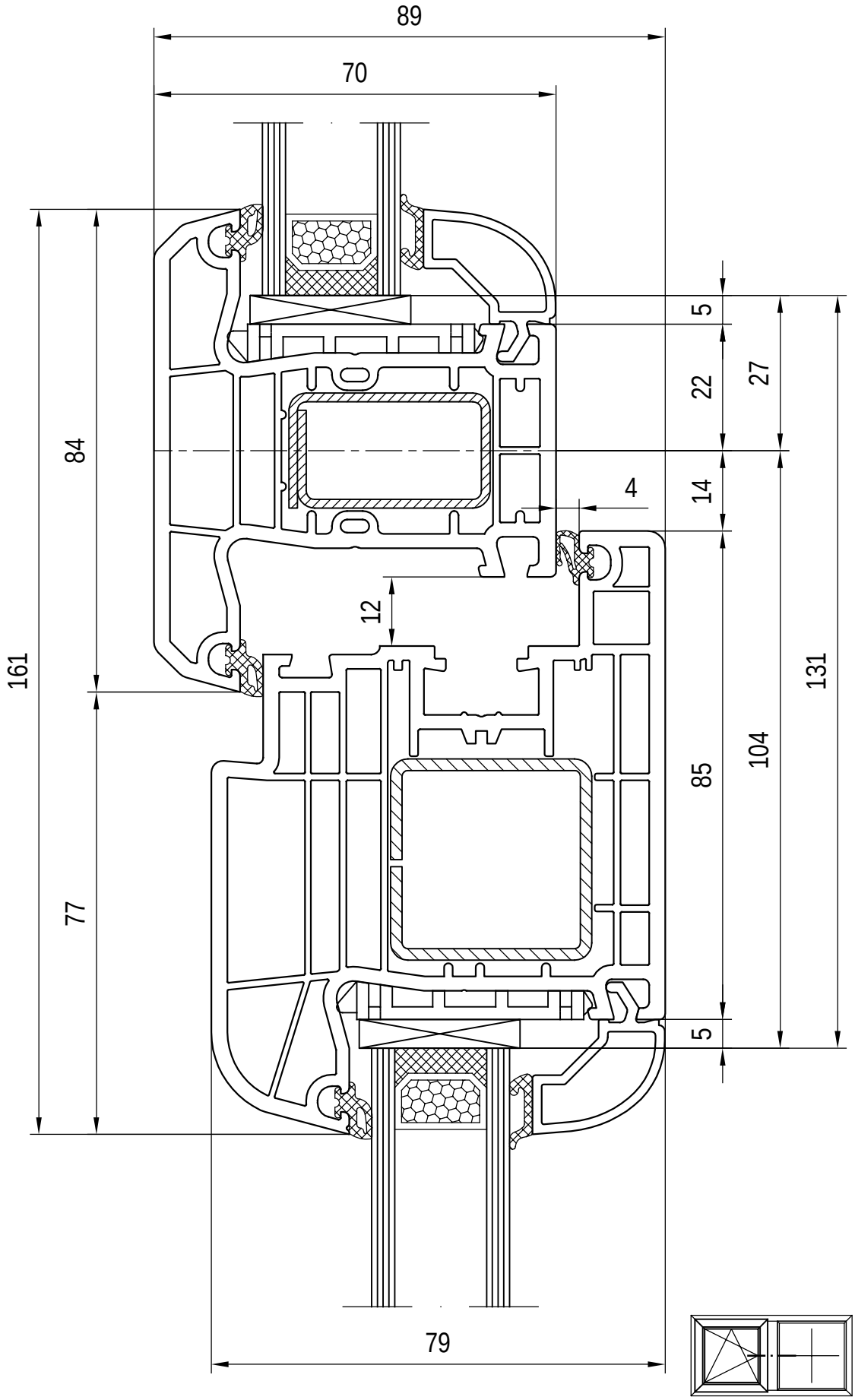

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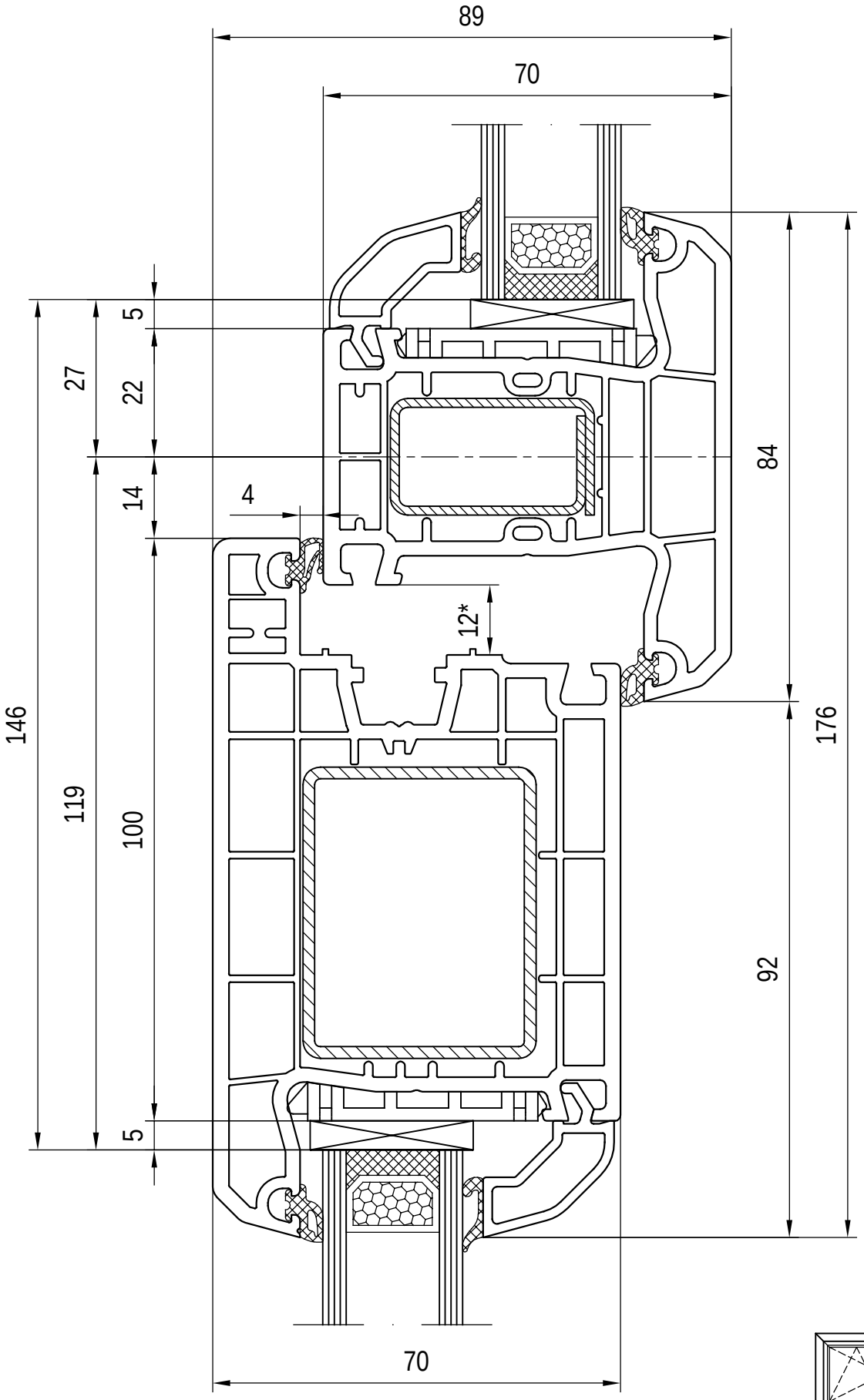


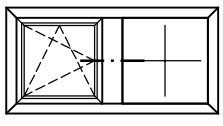

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* Falzluft bei Haustüren links und rechts = 13mm


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* Falzluft bei Haustüren links und rechts = 13mm

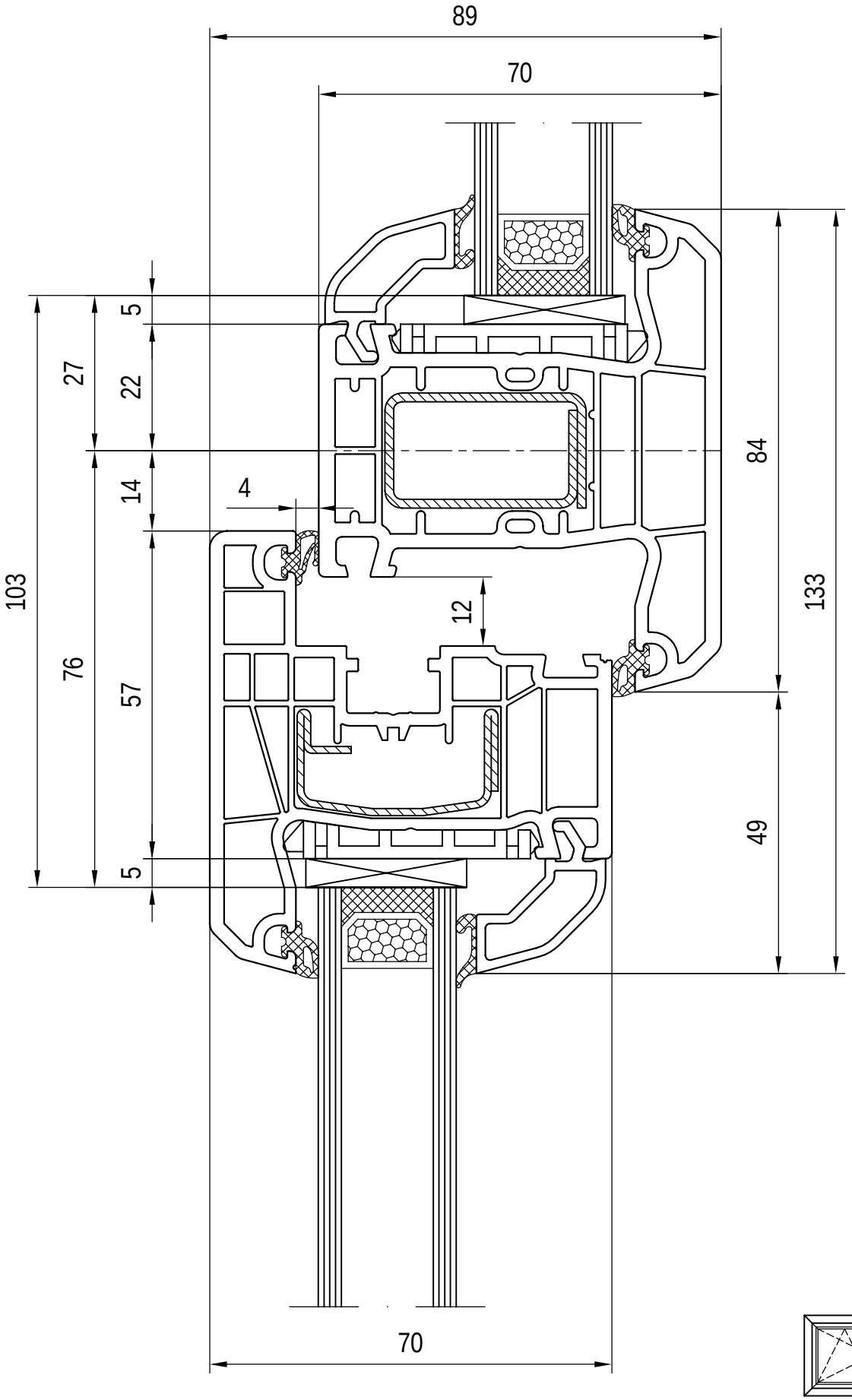
Technische Änderungen und Irrtümer vorbehalten!

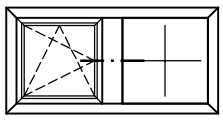
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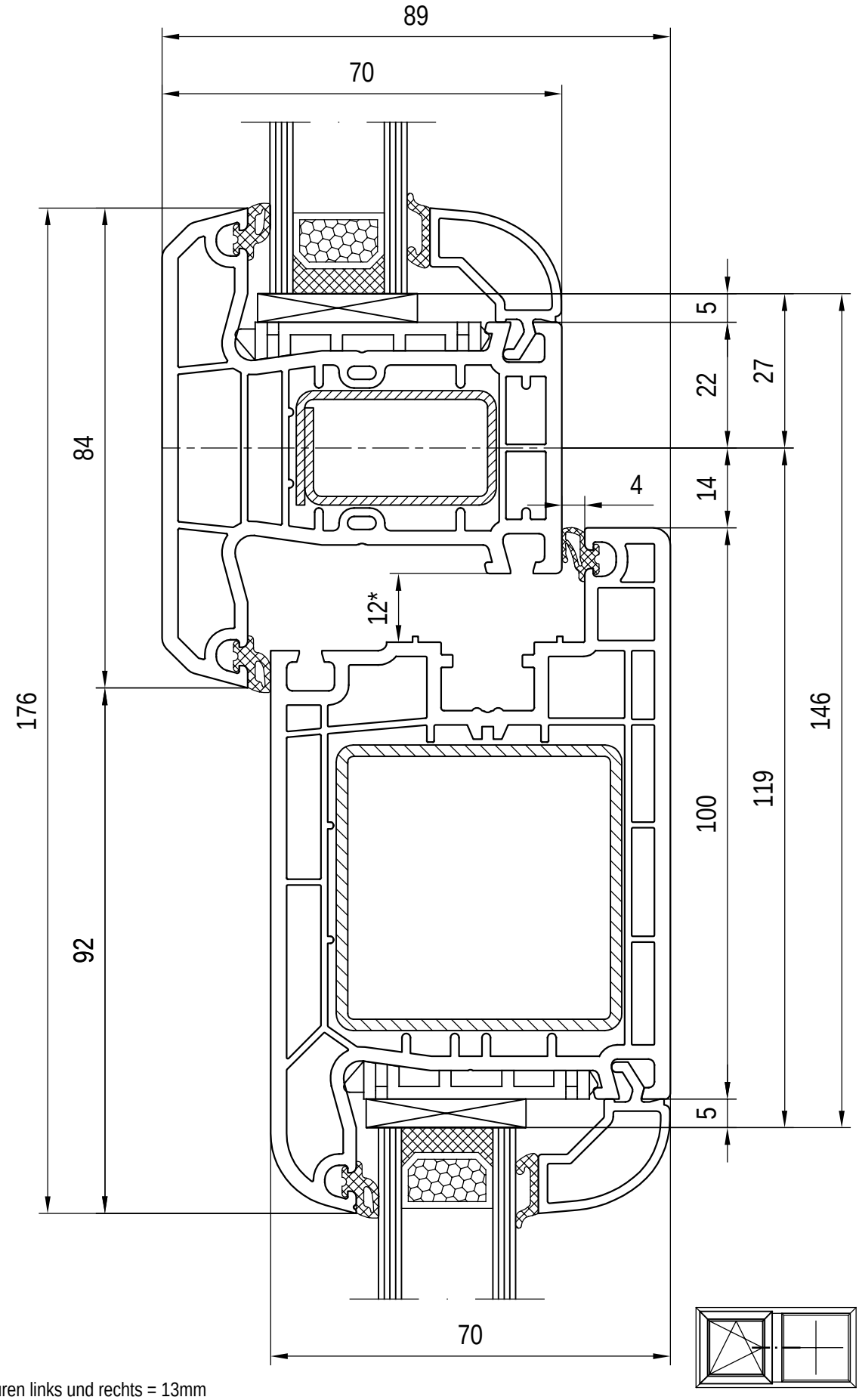
Kombinationen: Flügel - Pfosten - Festverglasung

Glasleiste 120846/120876

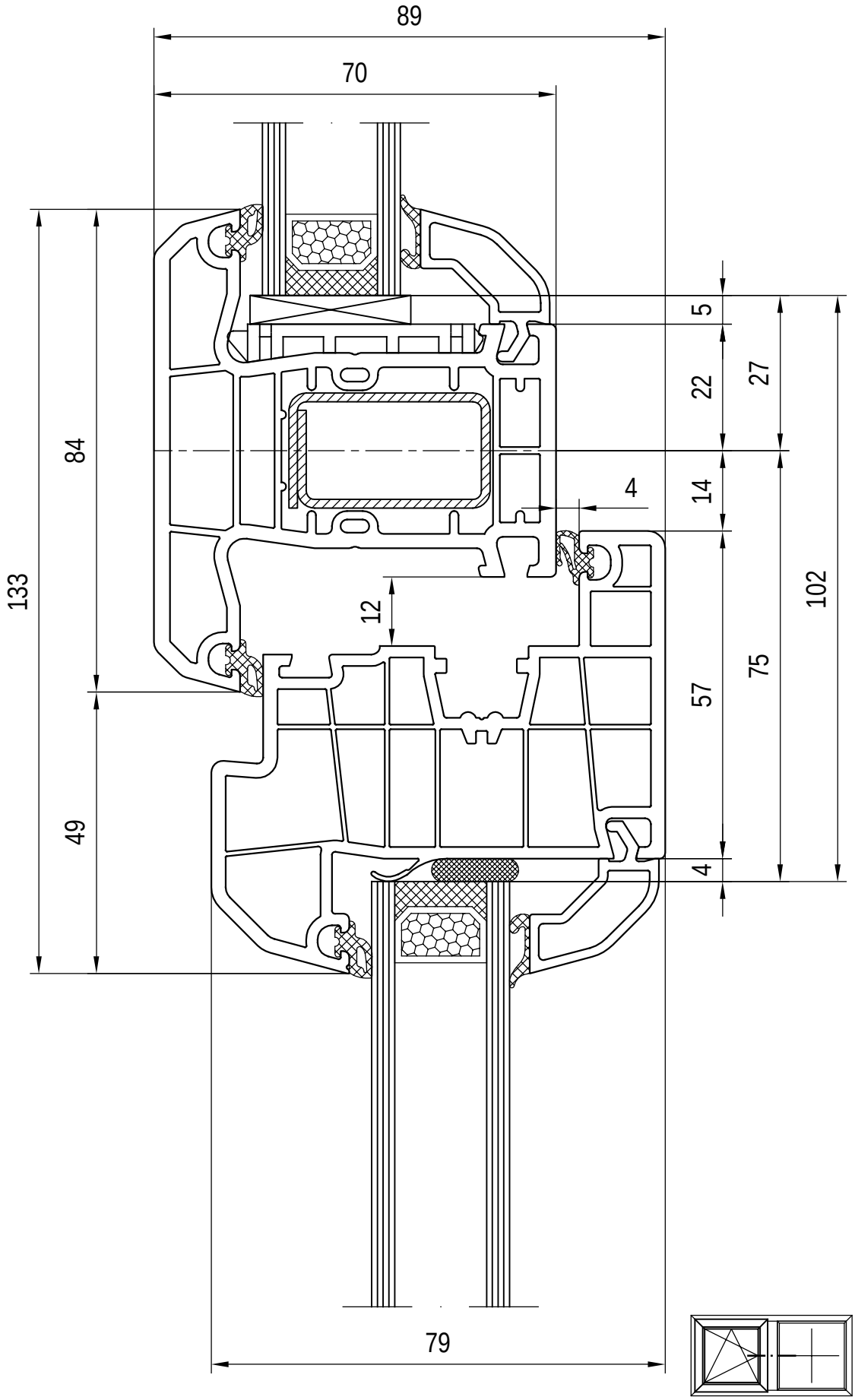
Pfosten 140x48
Flügel 140x35

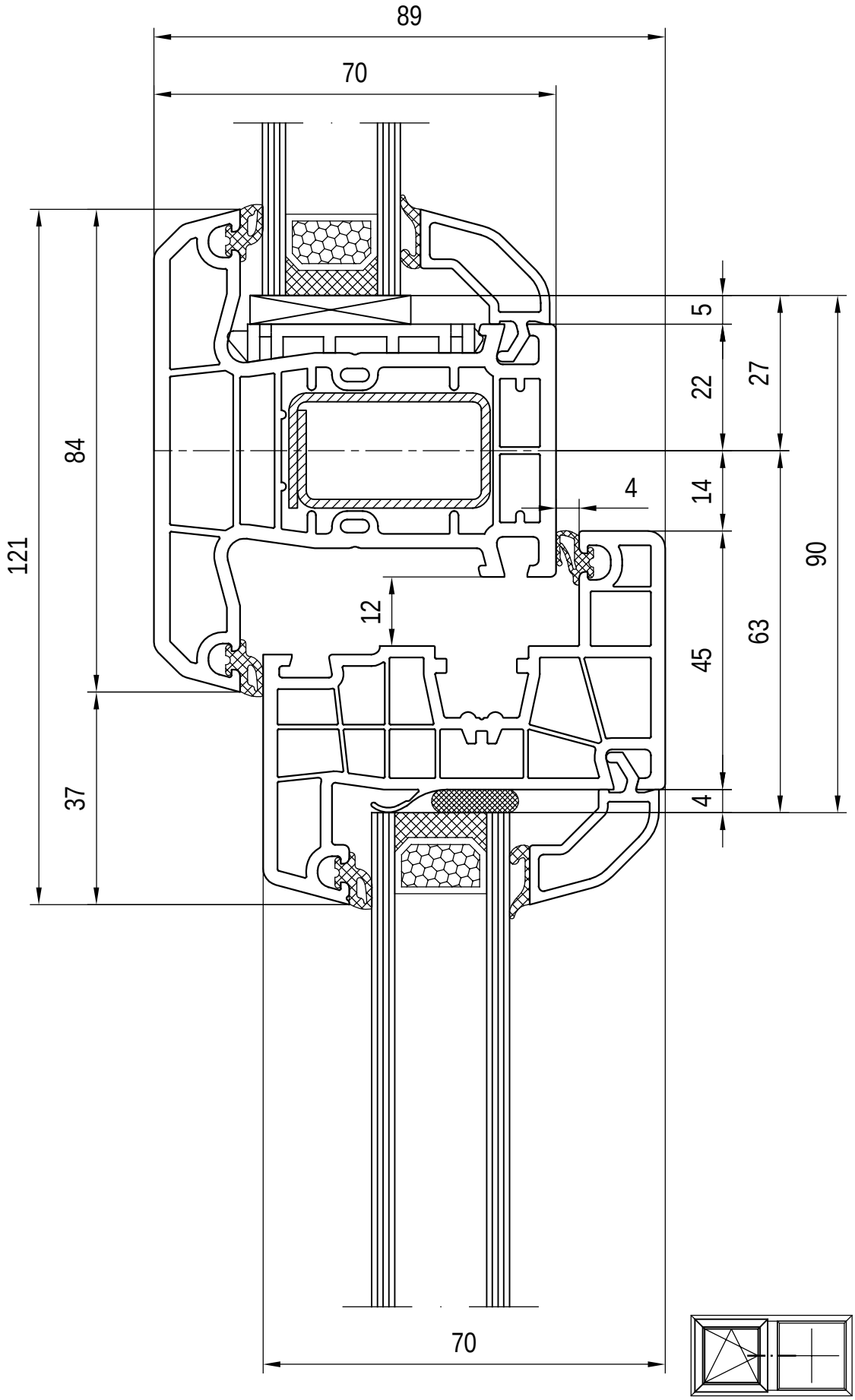

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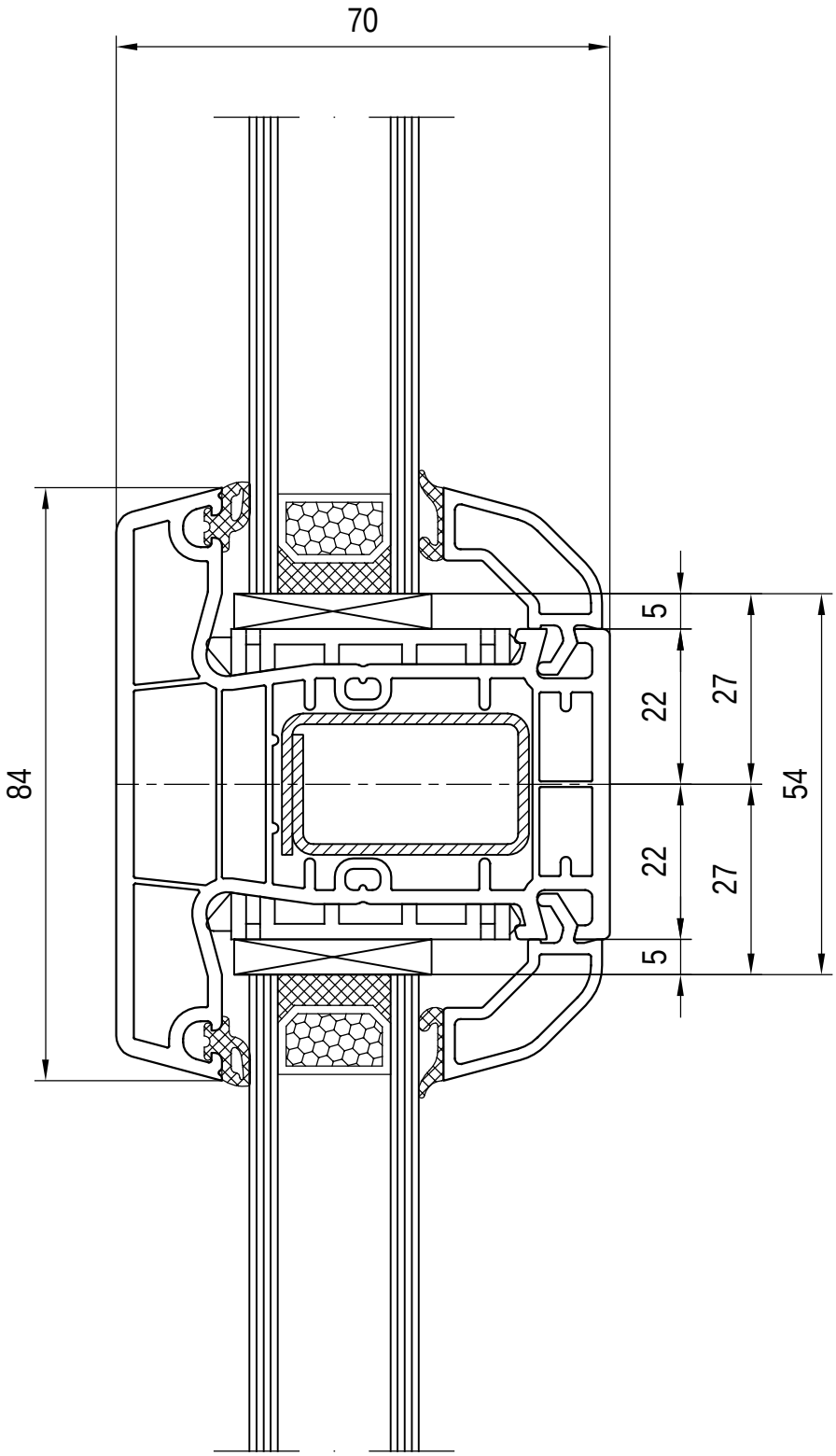


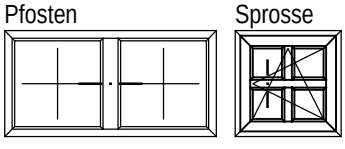


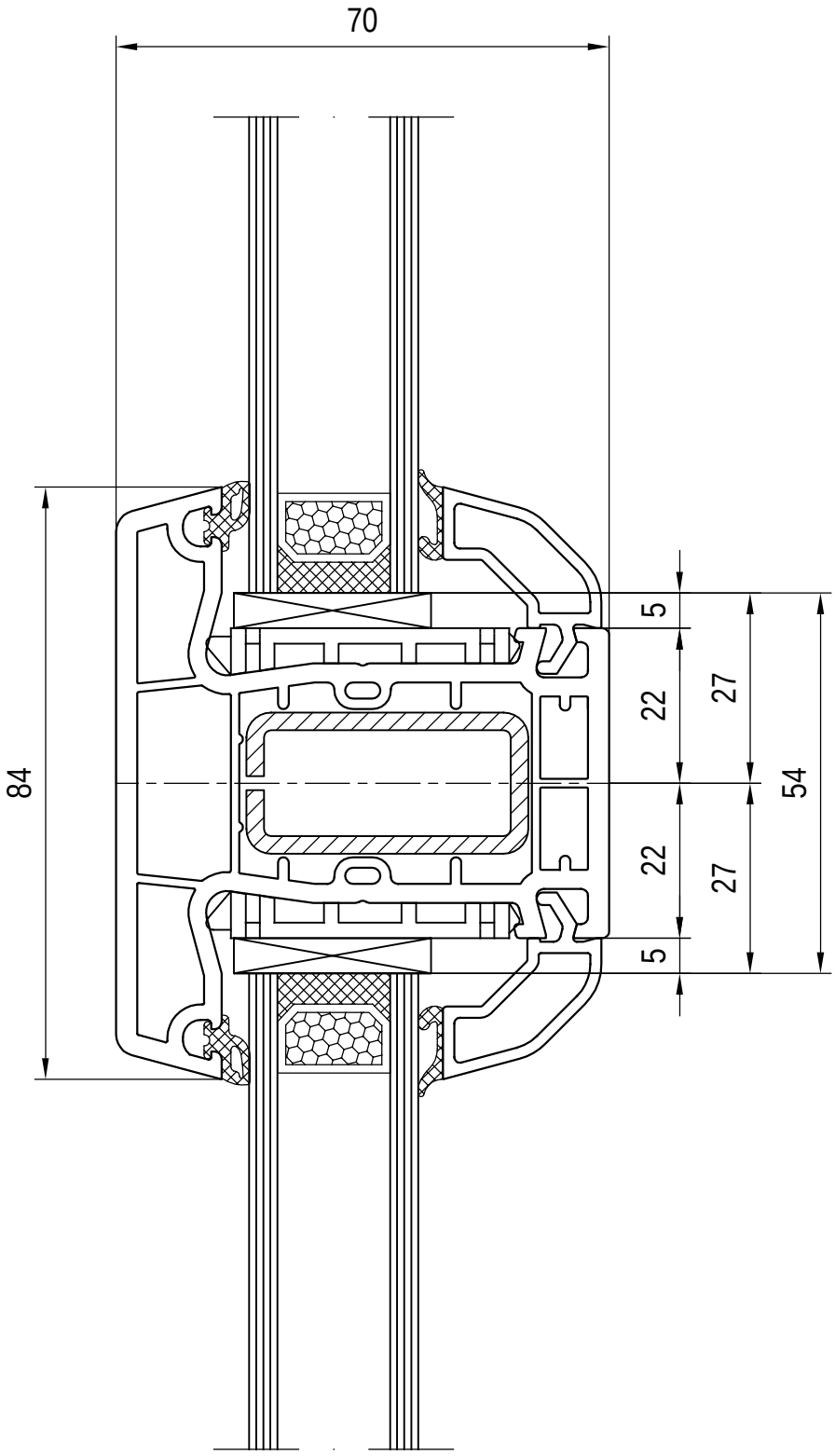
* Falzluft bei Haustüren links und rechts = 13mm


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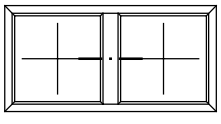

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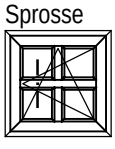

Pfosten
Sprosse



Pfosten



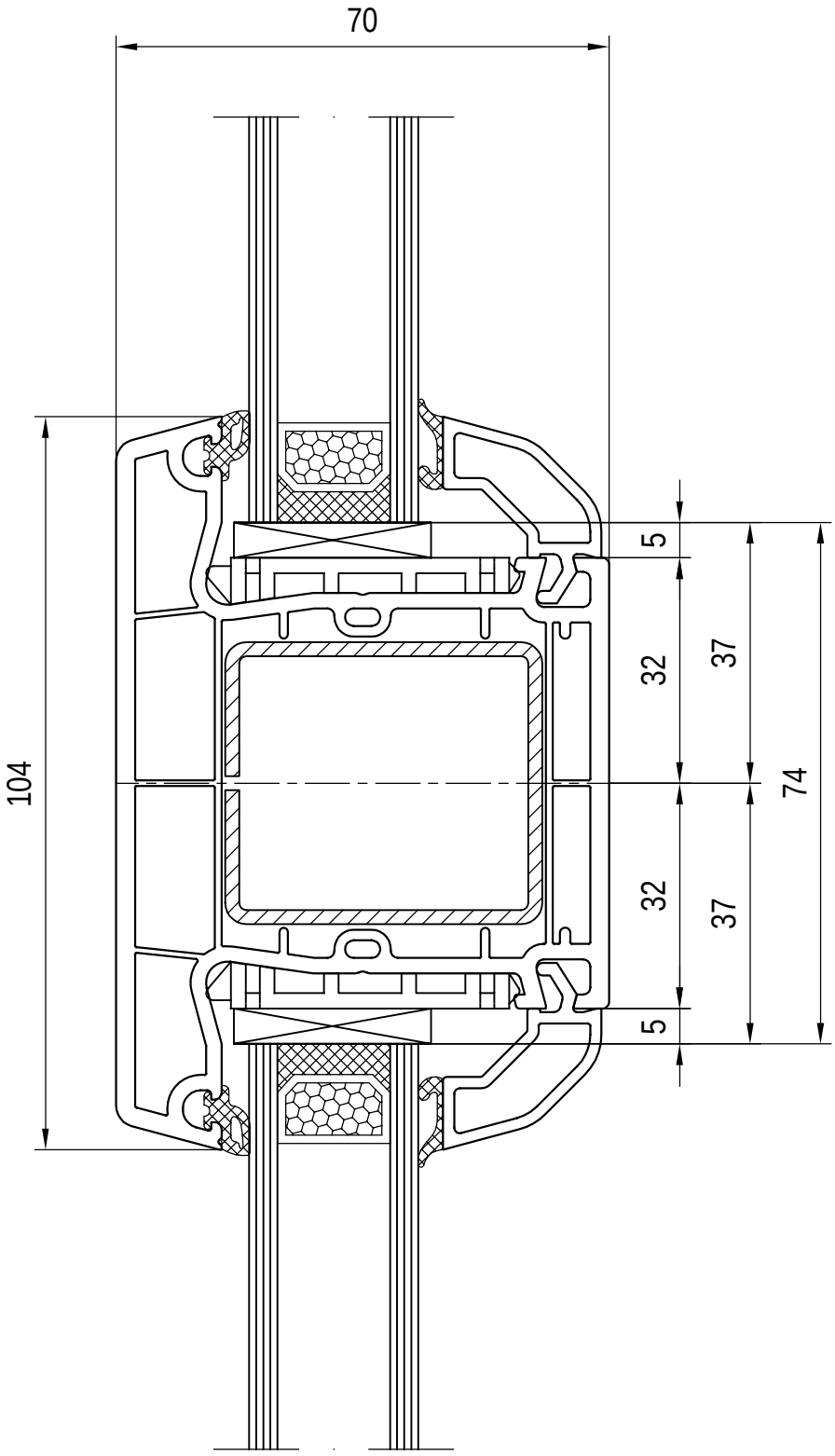
Sprosse



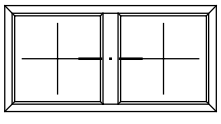
Kombinationen: Pfosten / Sprossen glasteilend

Glasleiste 120846/120876

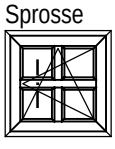
Statik-Pfosten / Sprosse 140x44

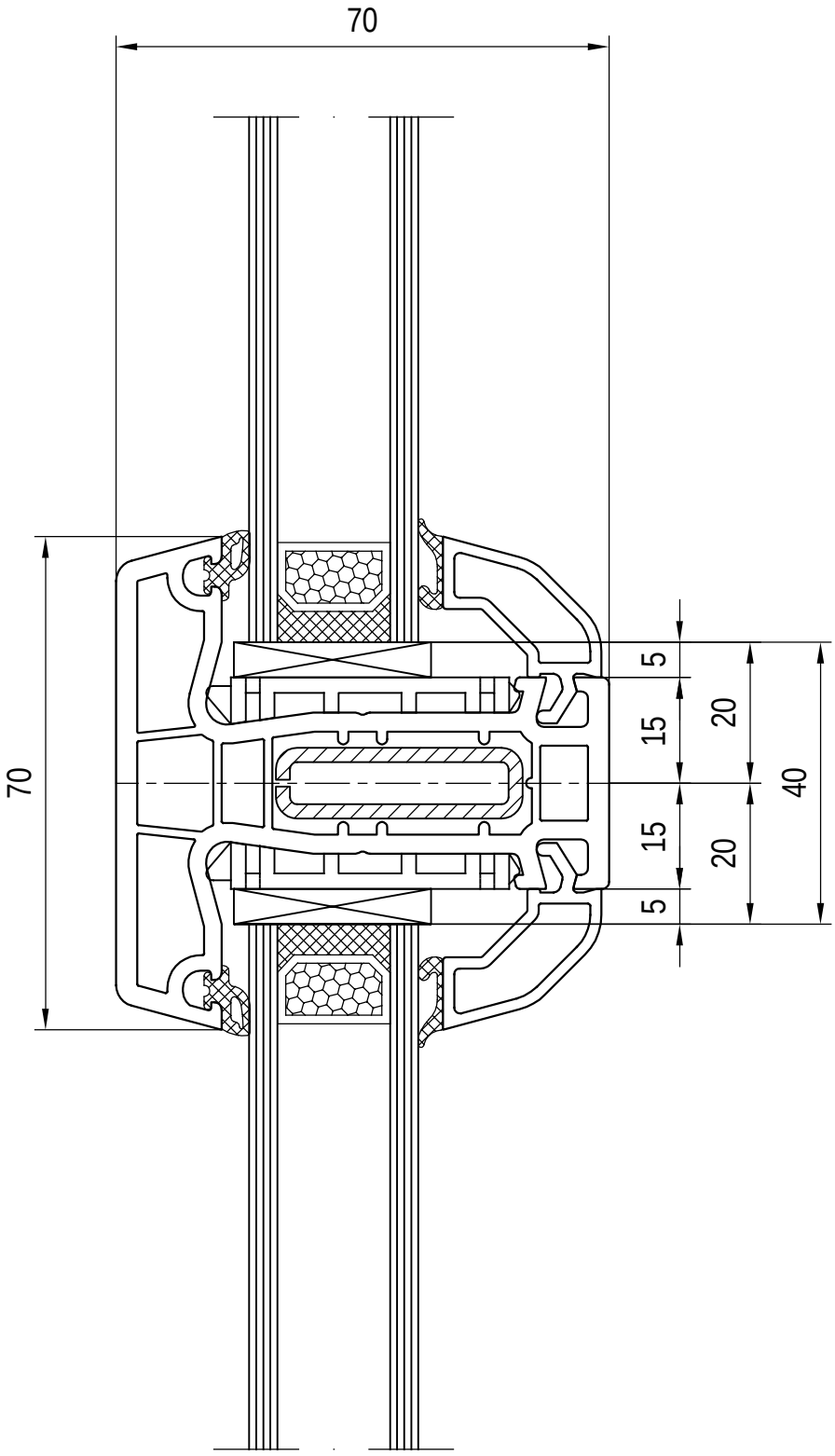


Pfosten

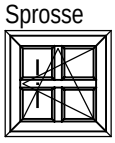


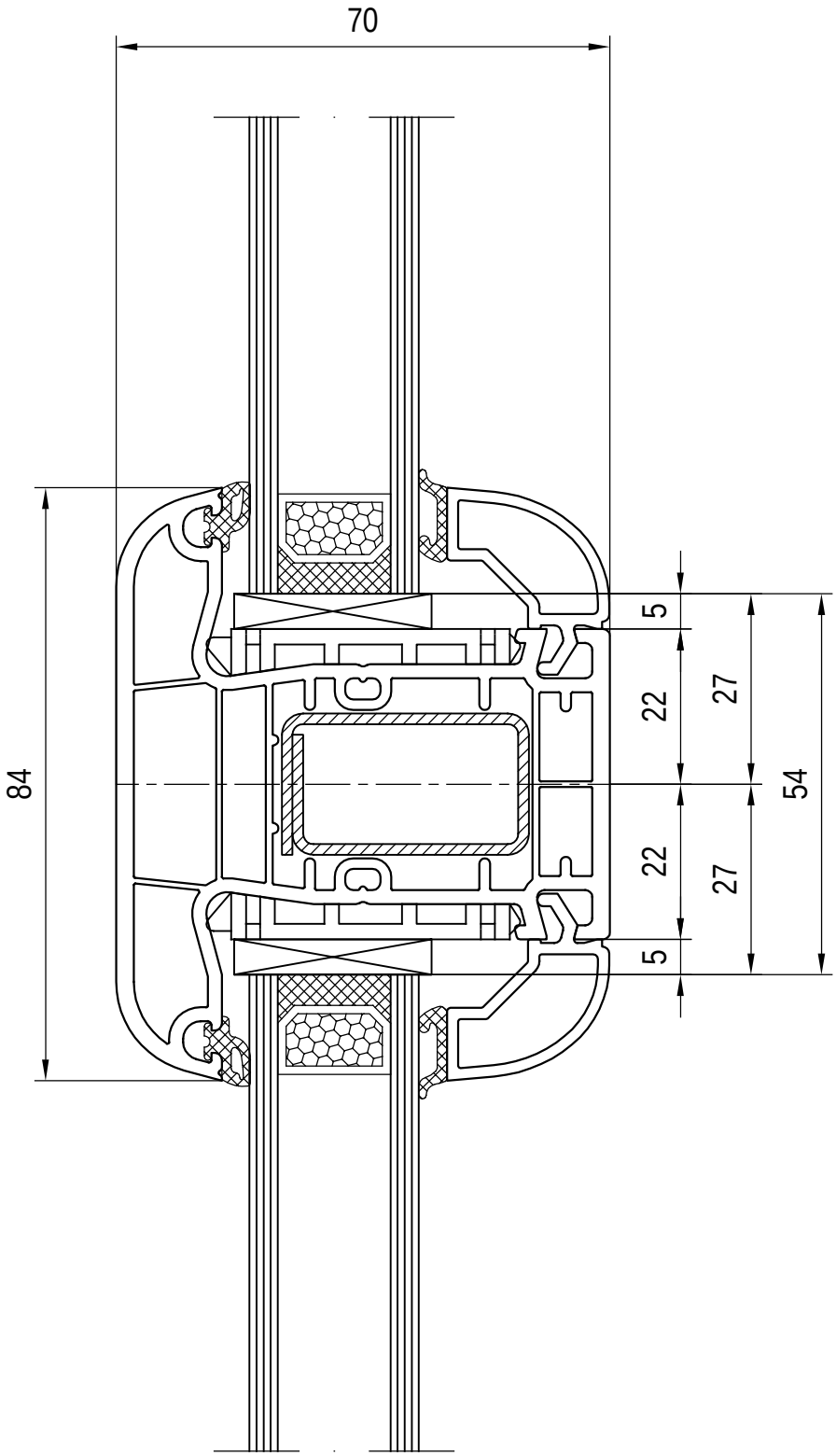
Sprosse



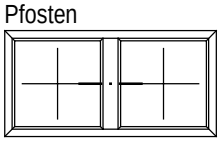


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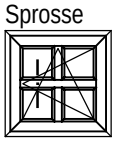


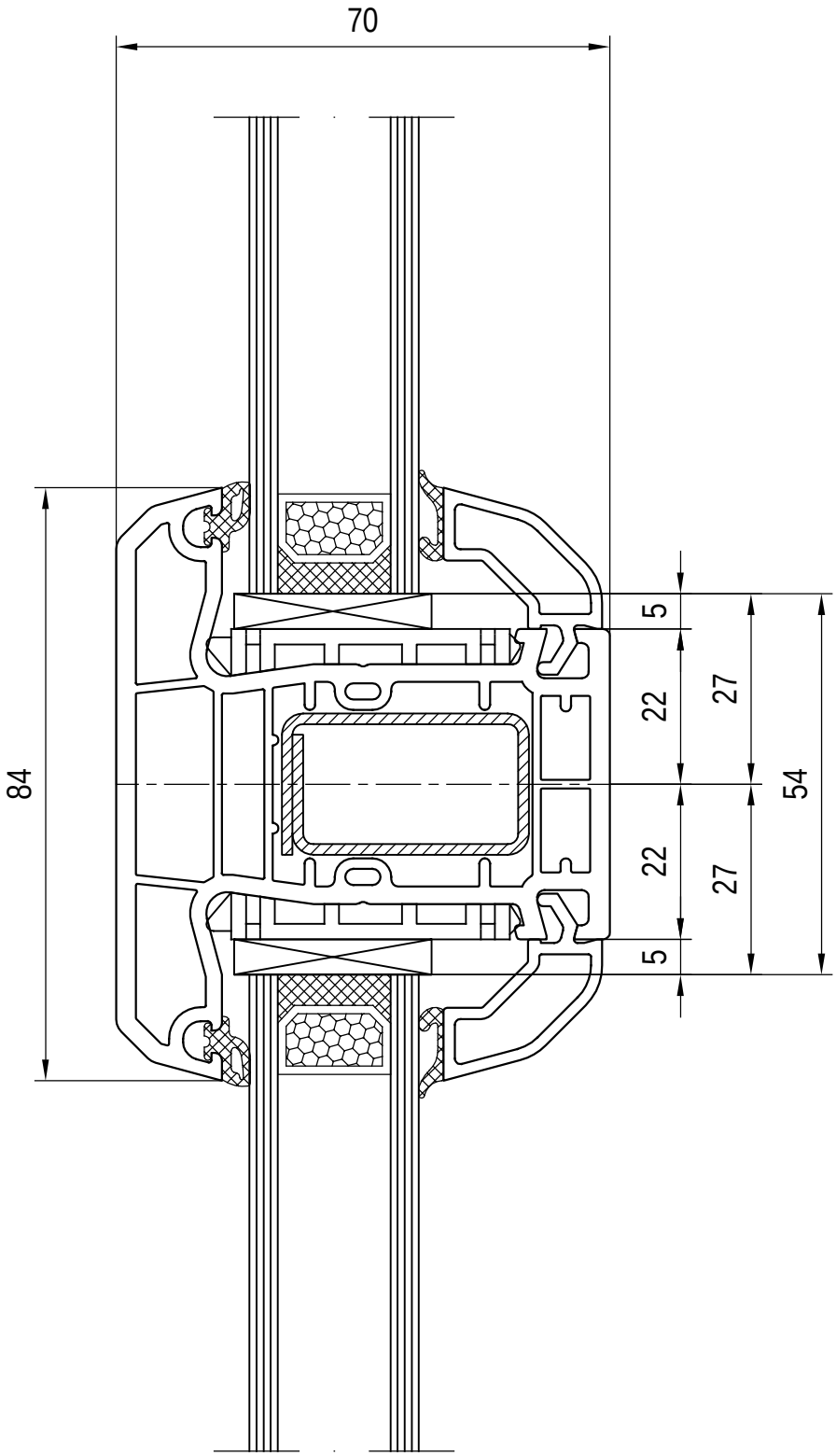


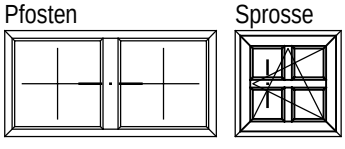
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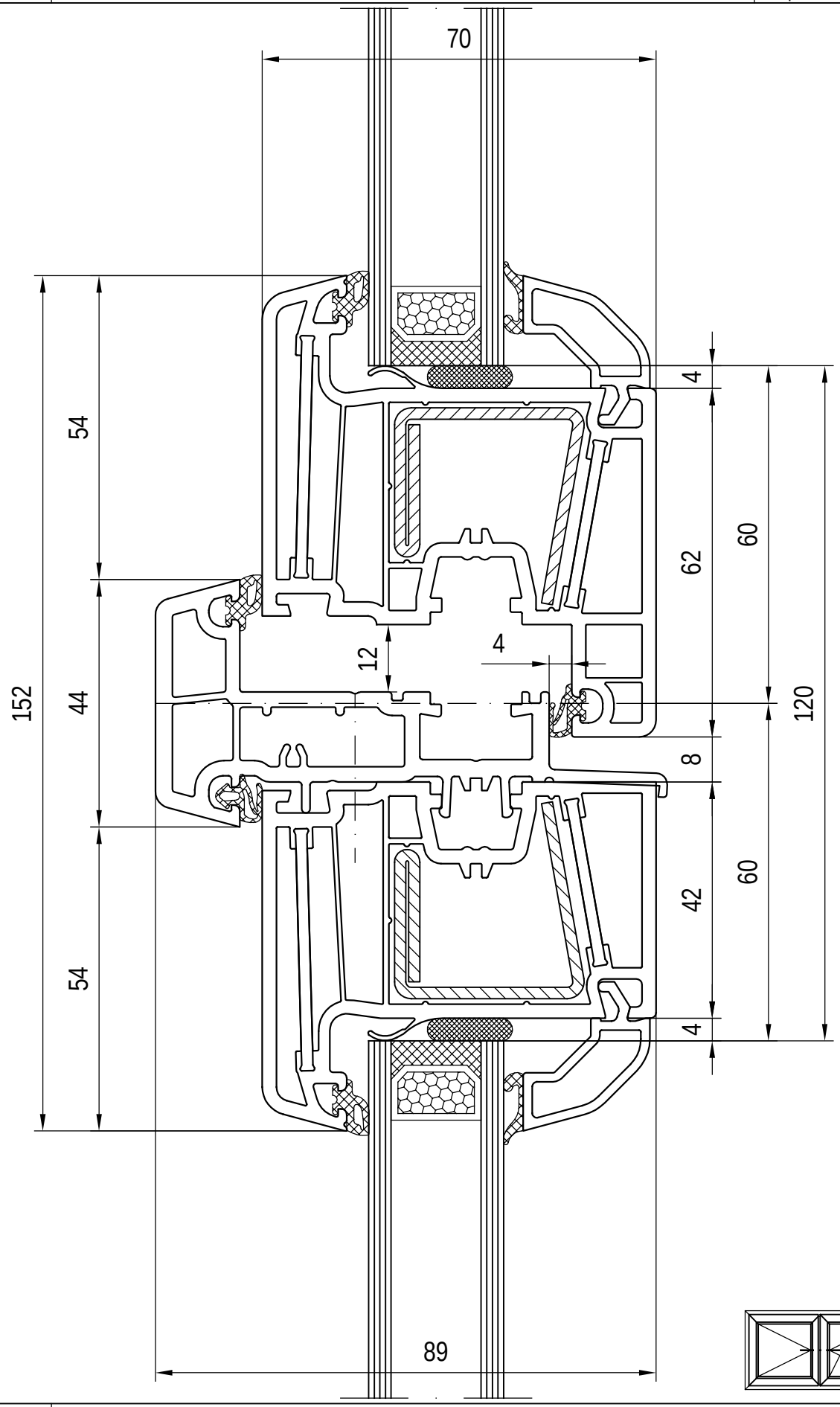


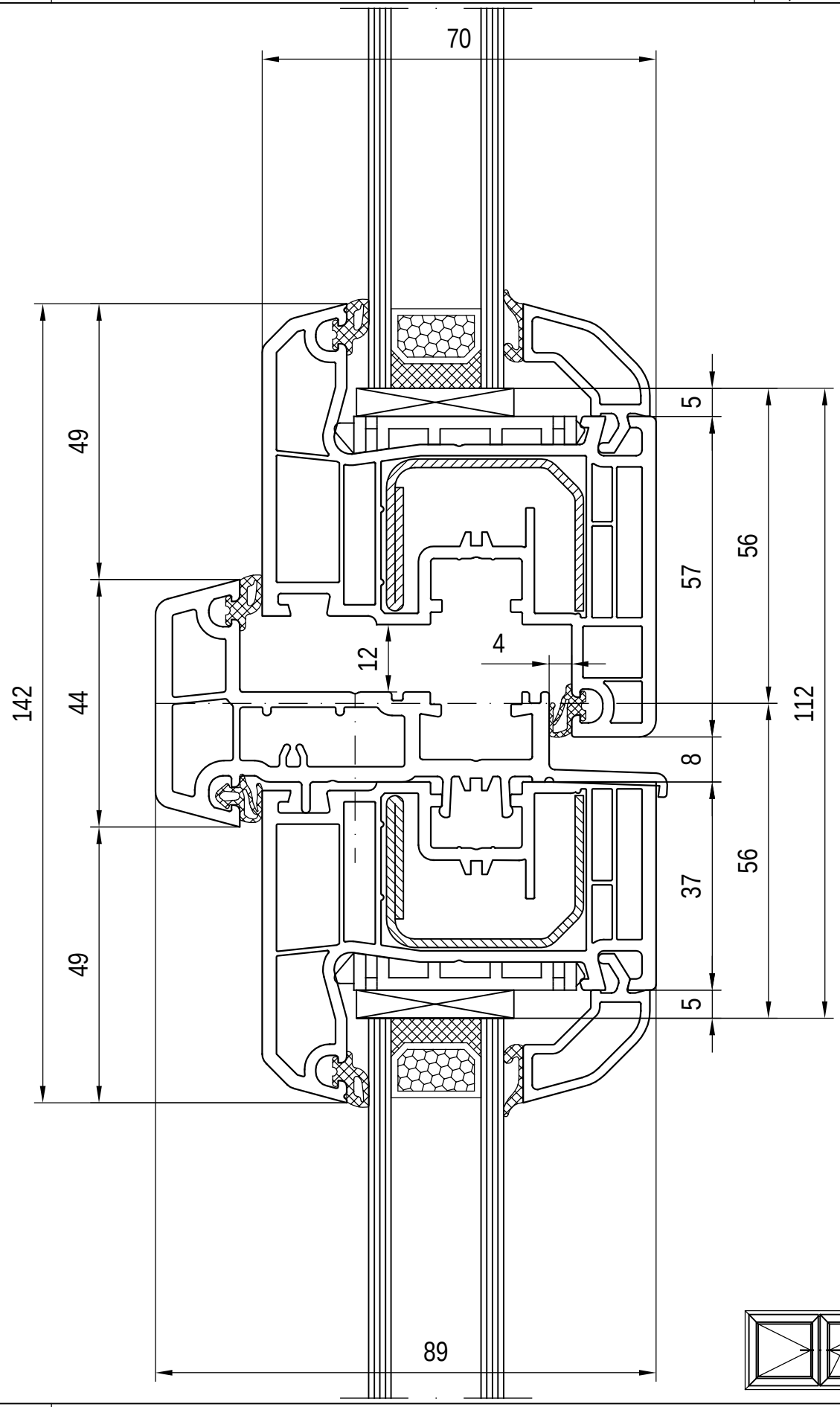
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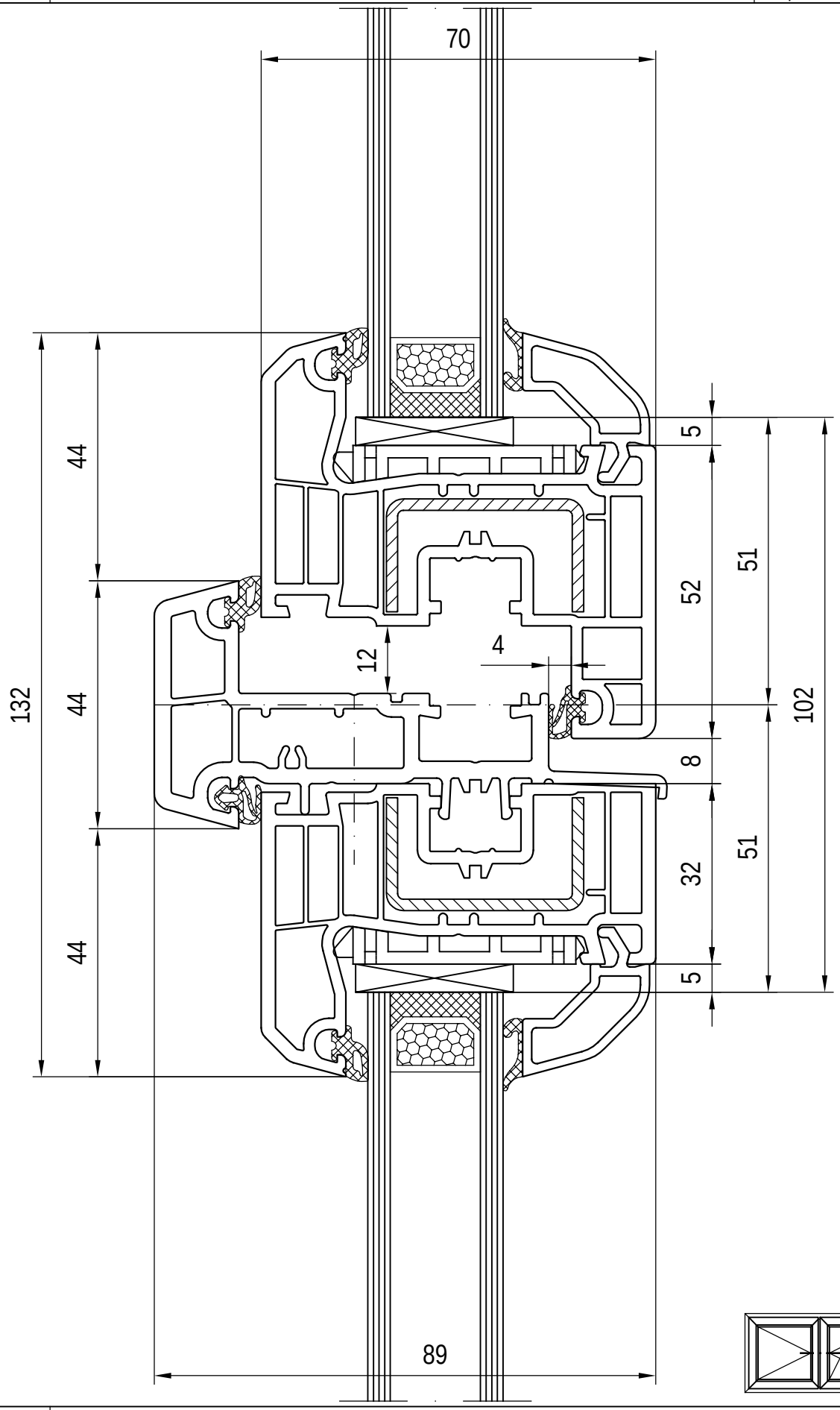


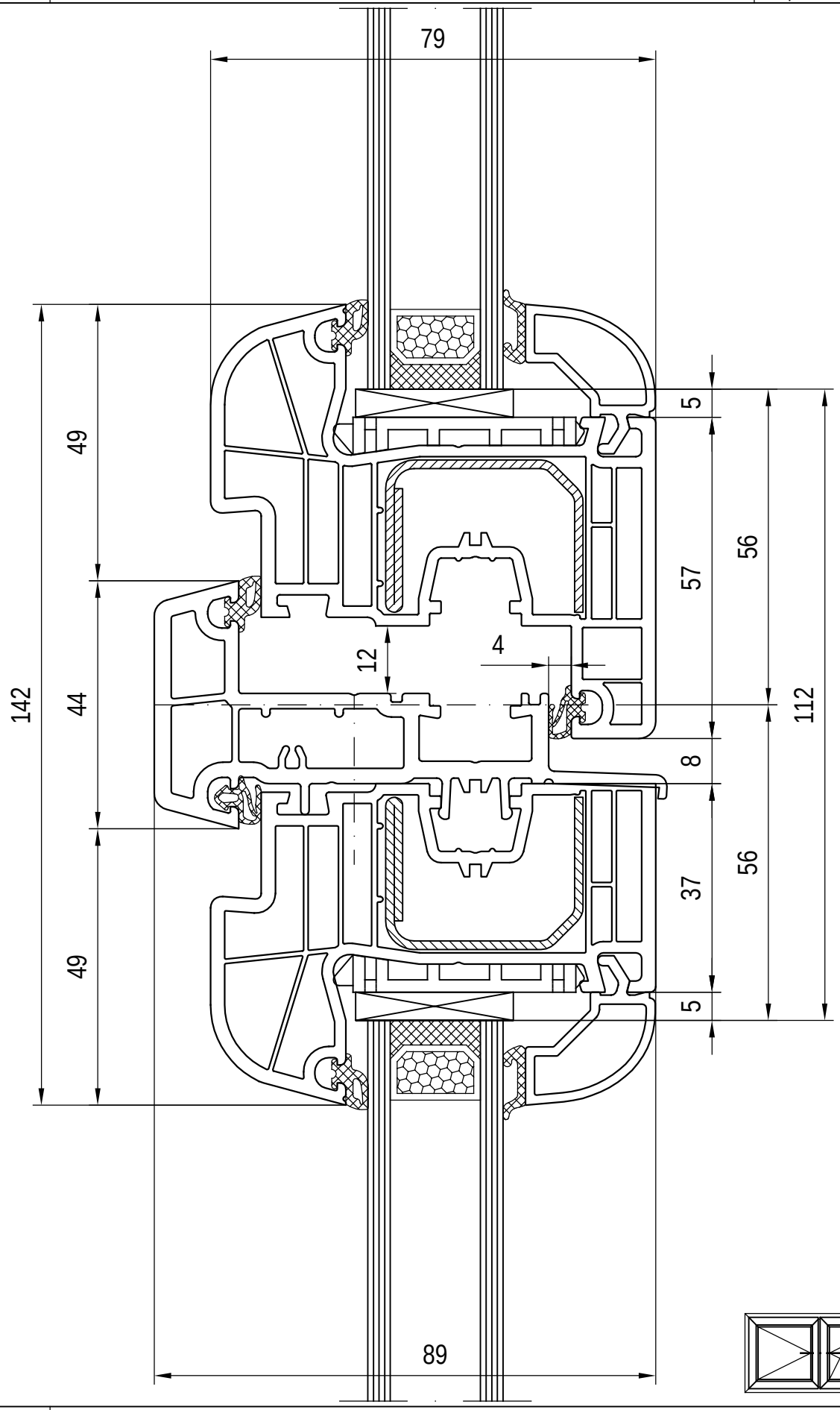

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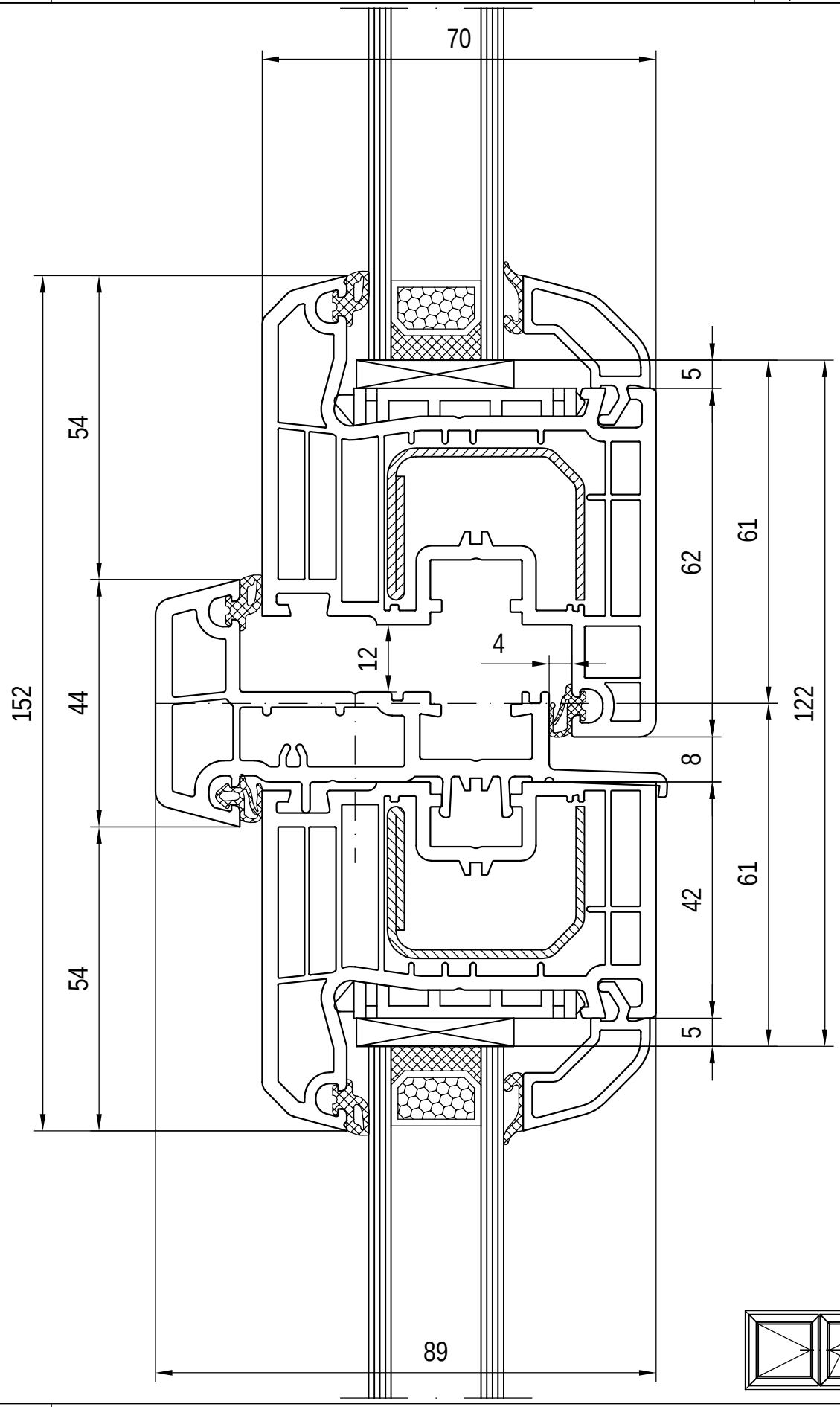

Pfosten
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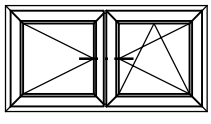

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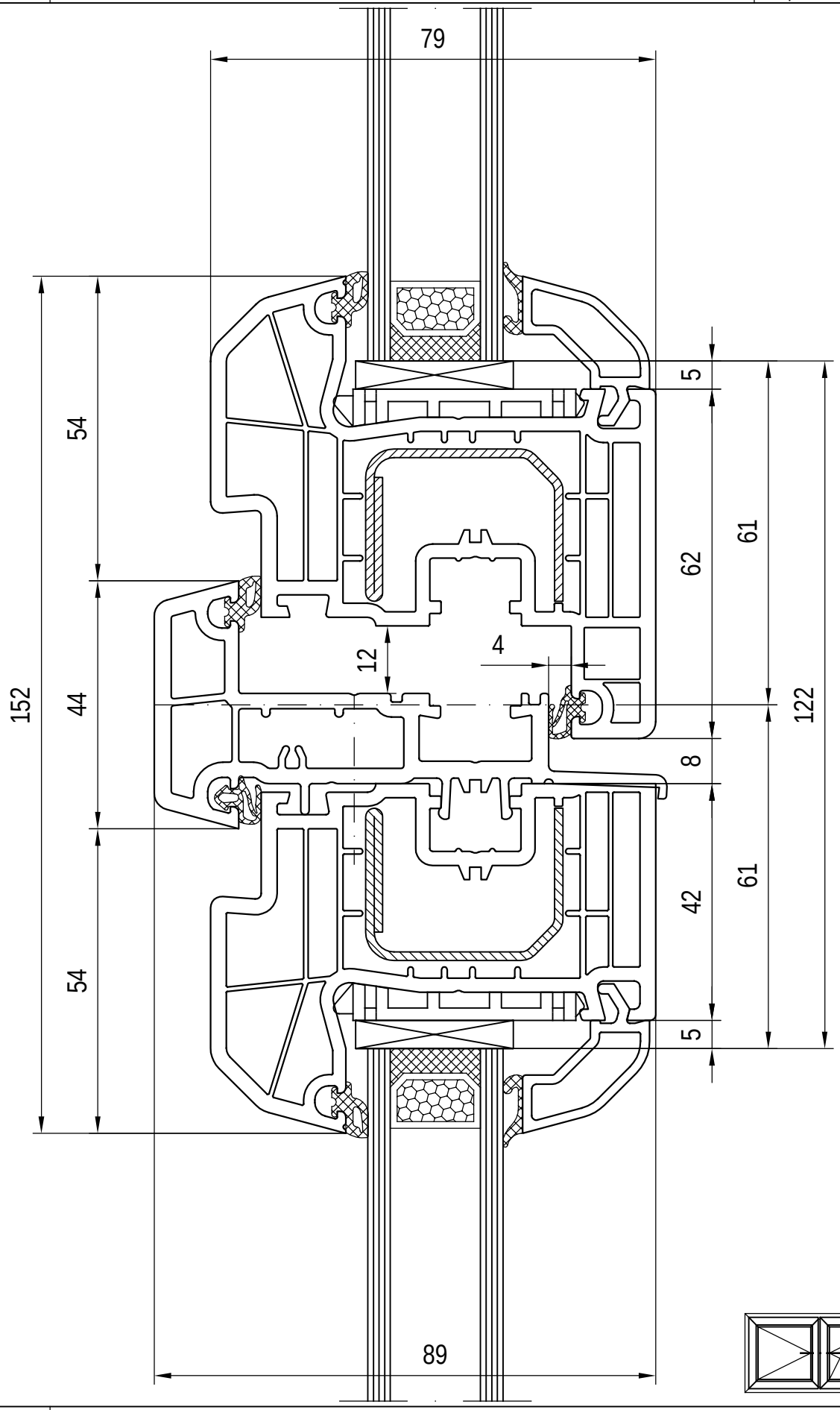

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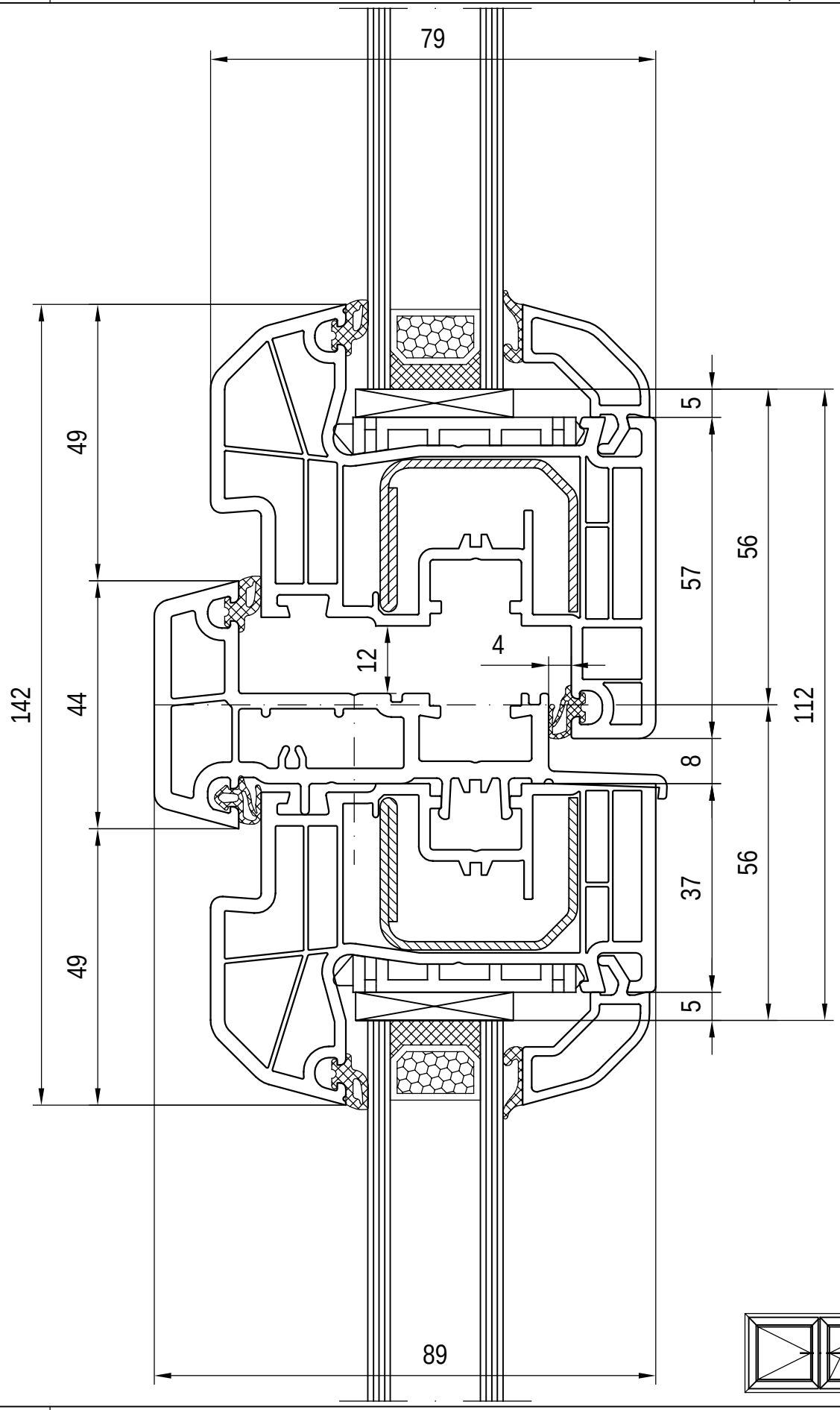

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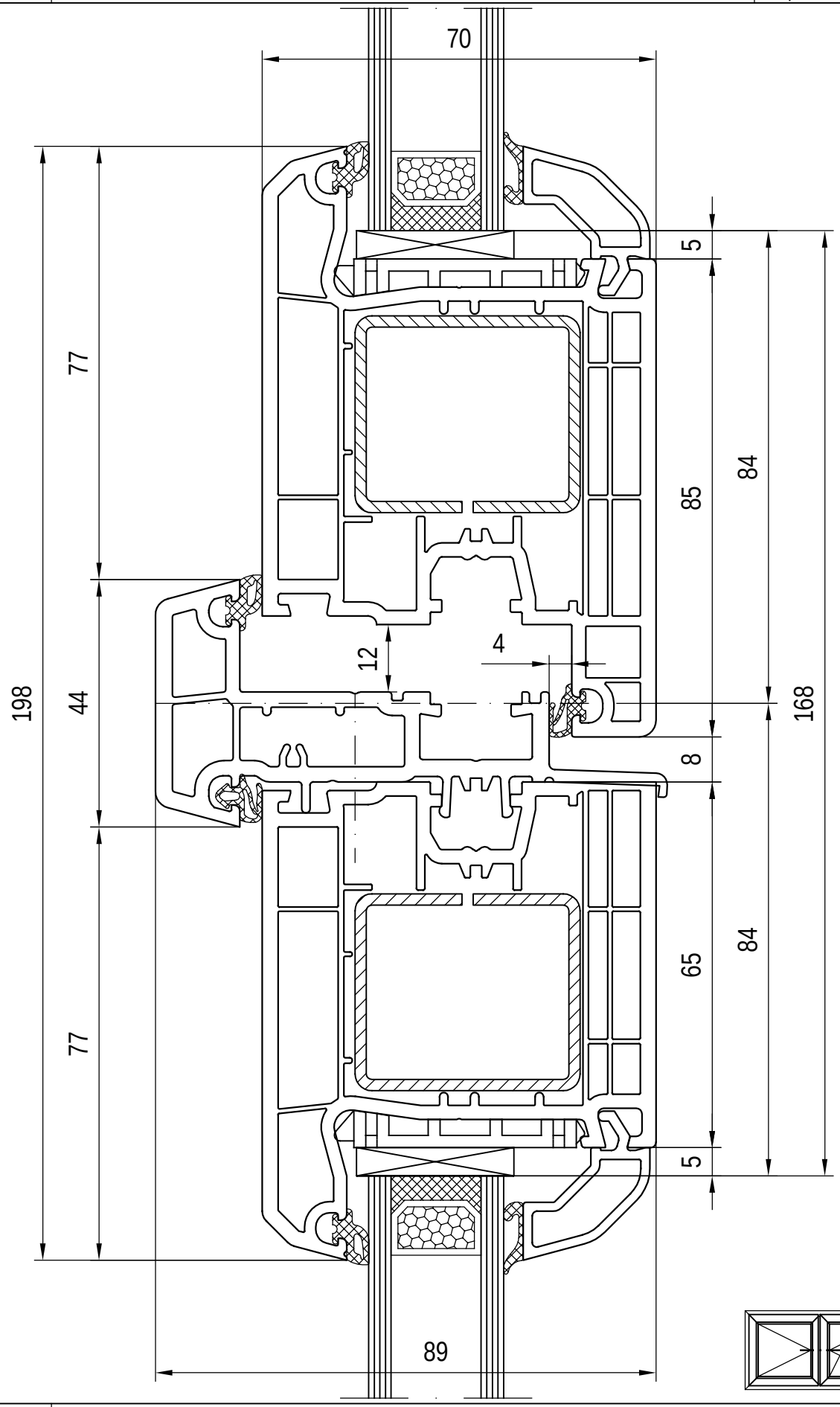

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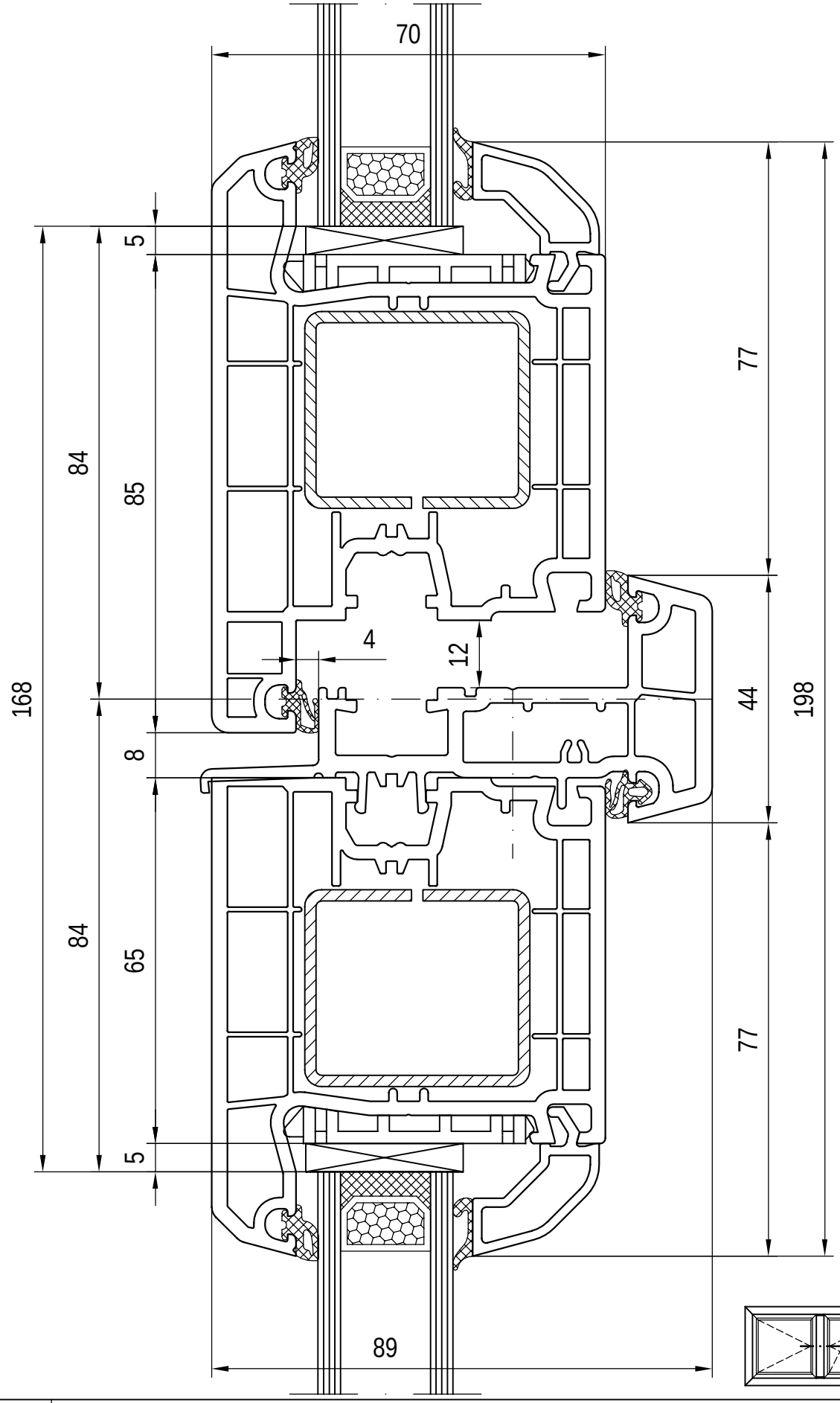

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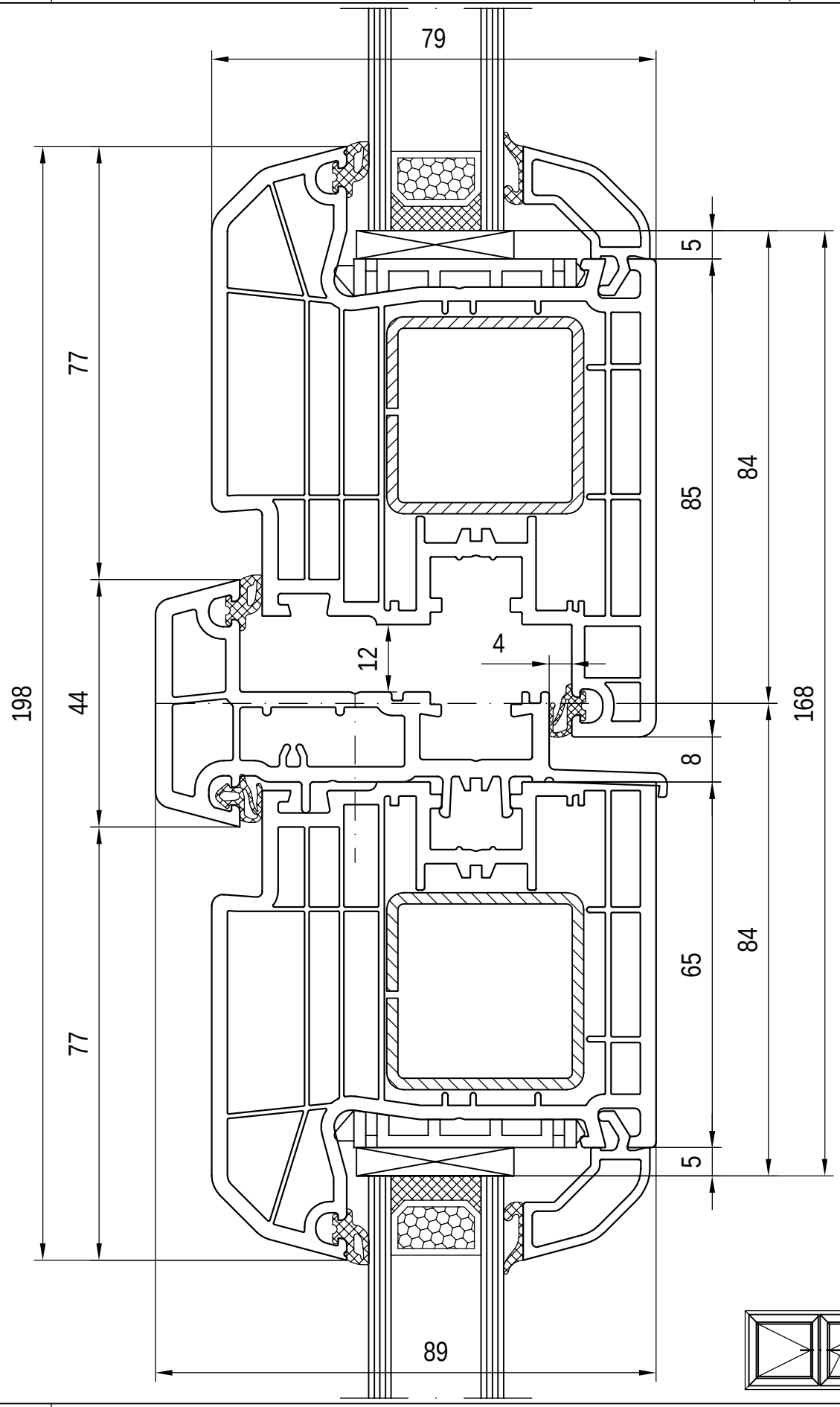


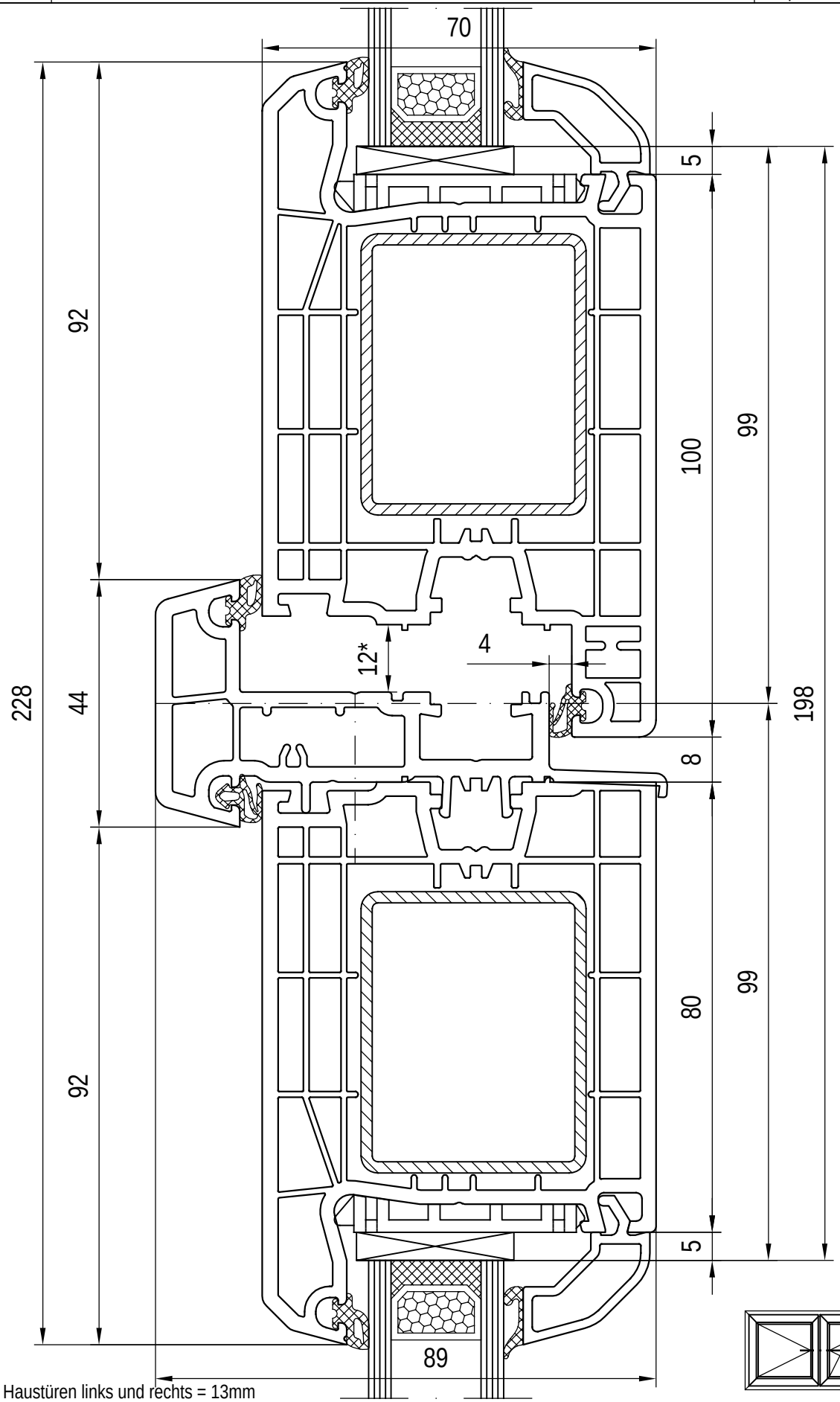

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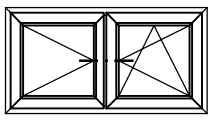

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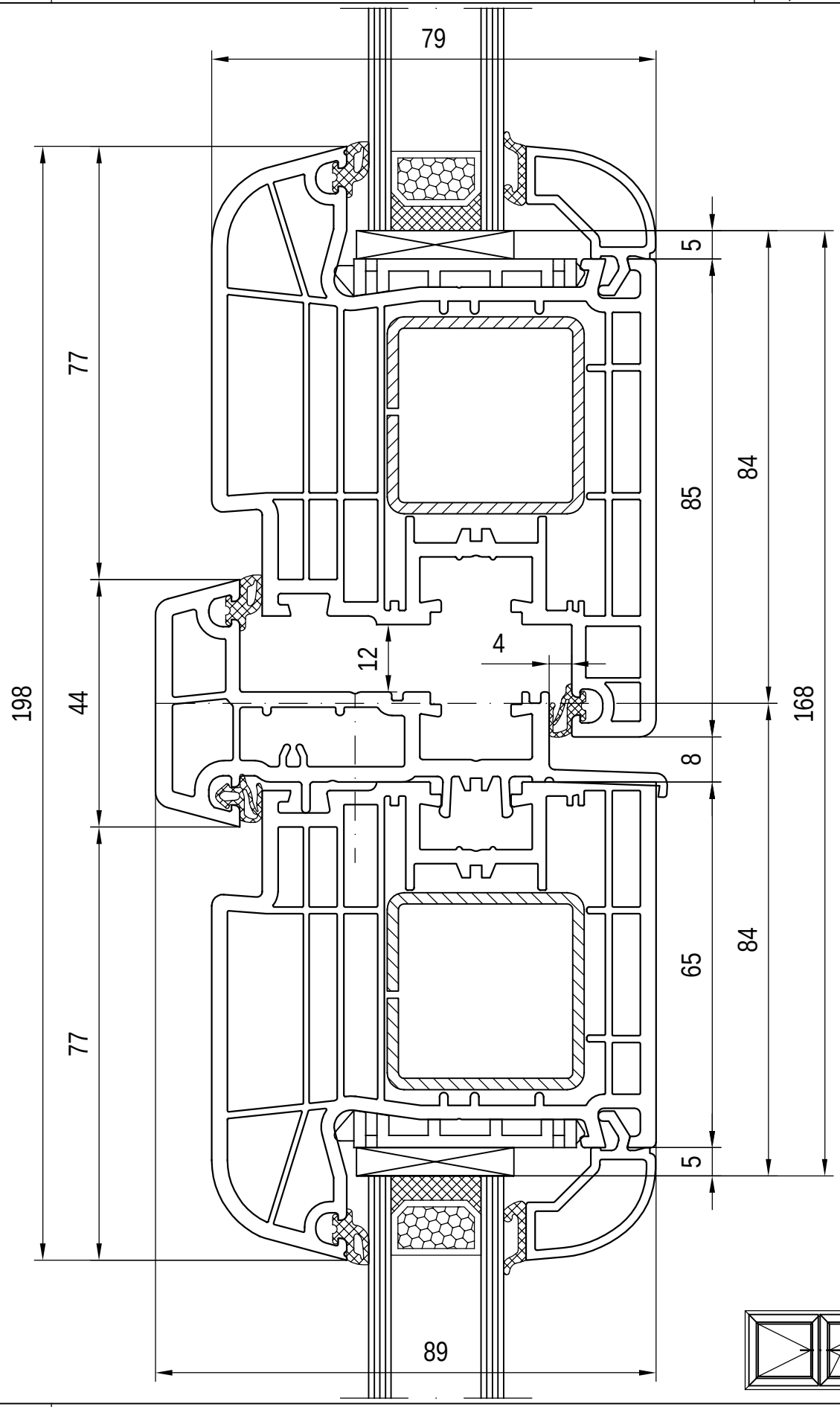

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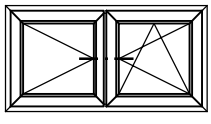

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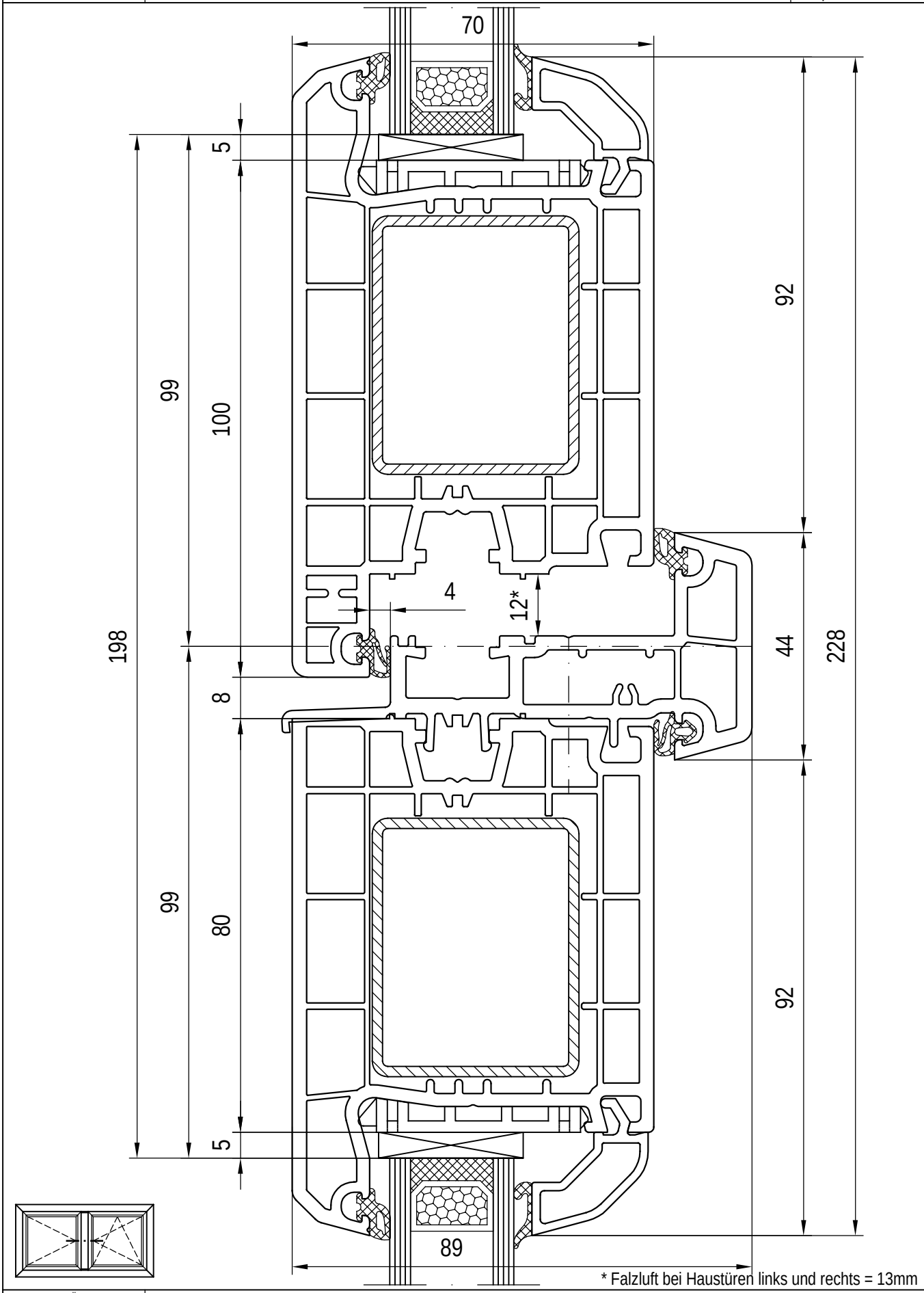




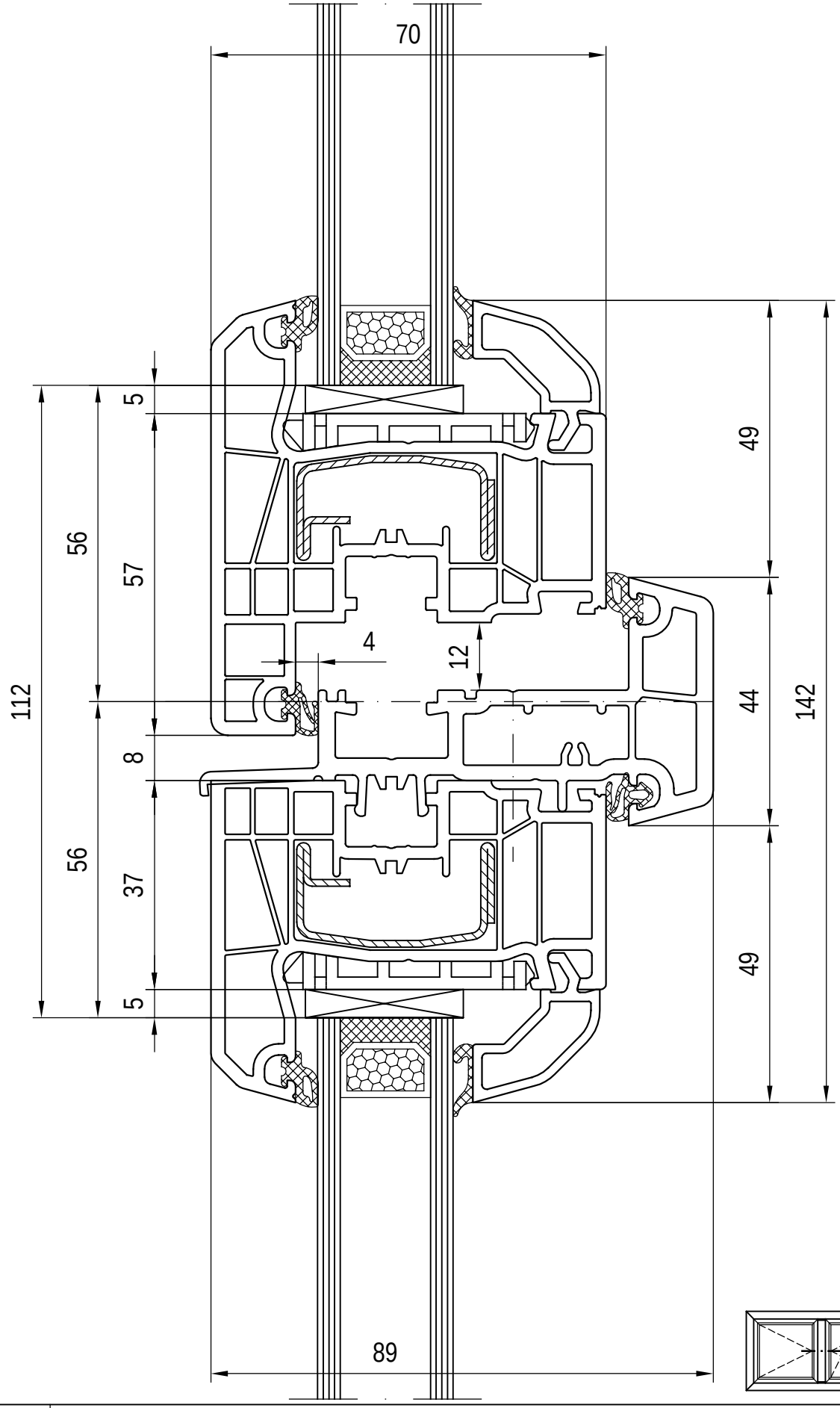
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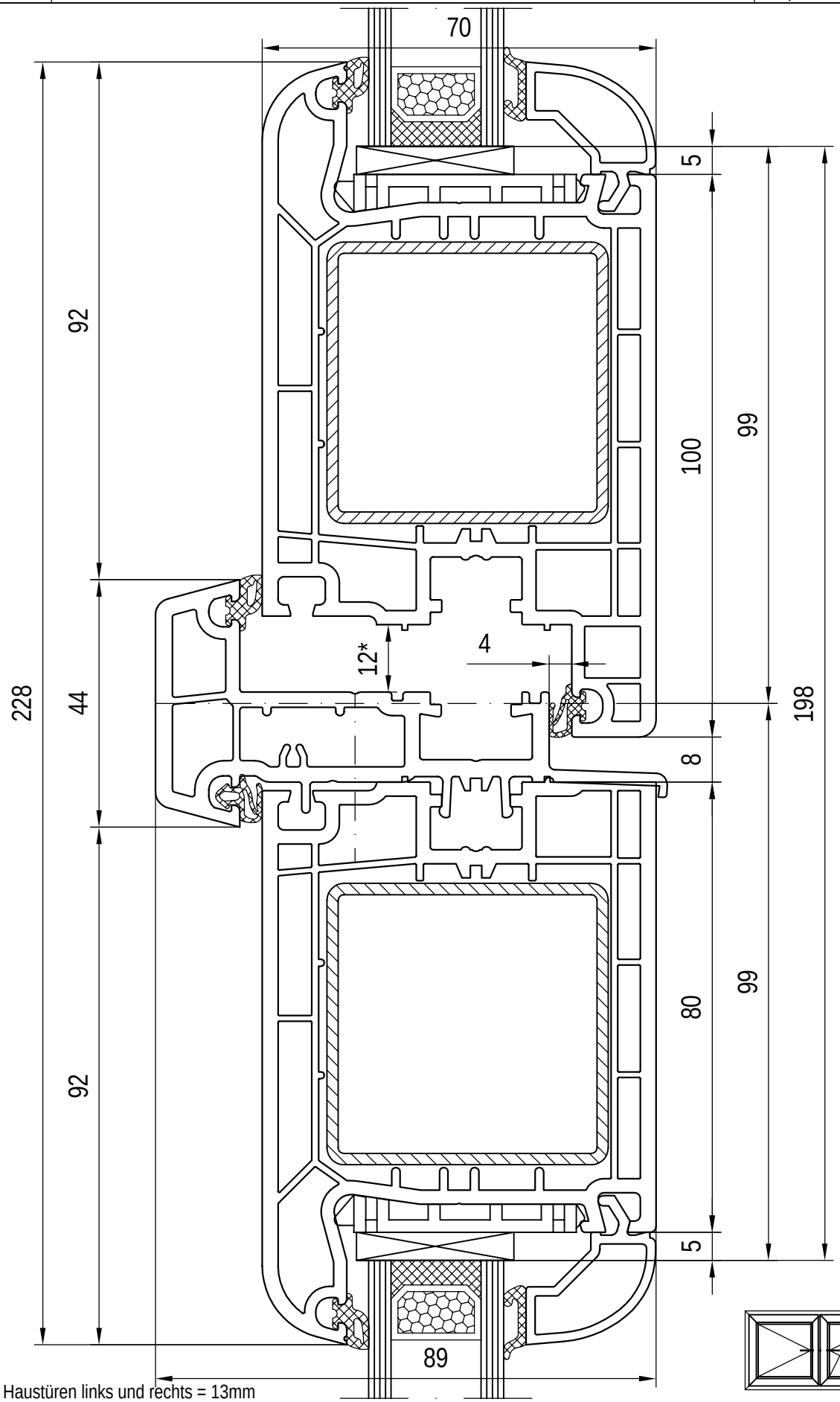

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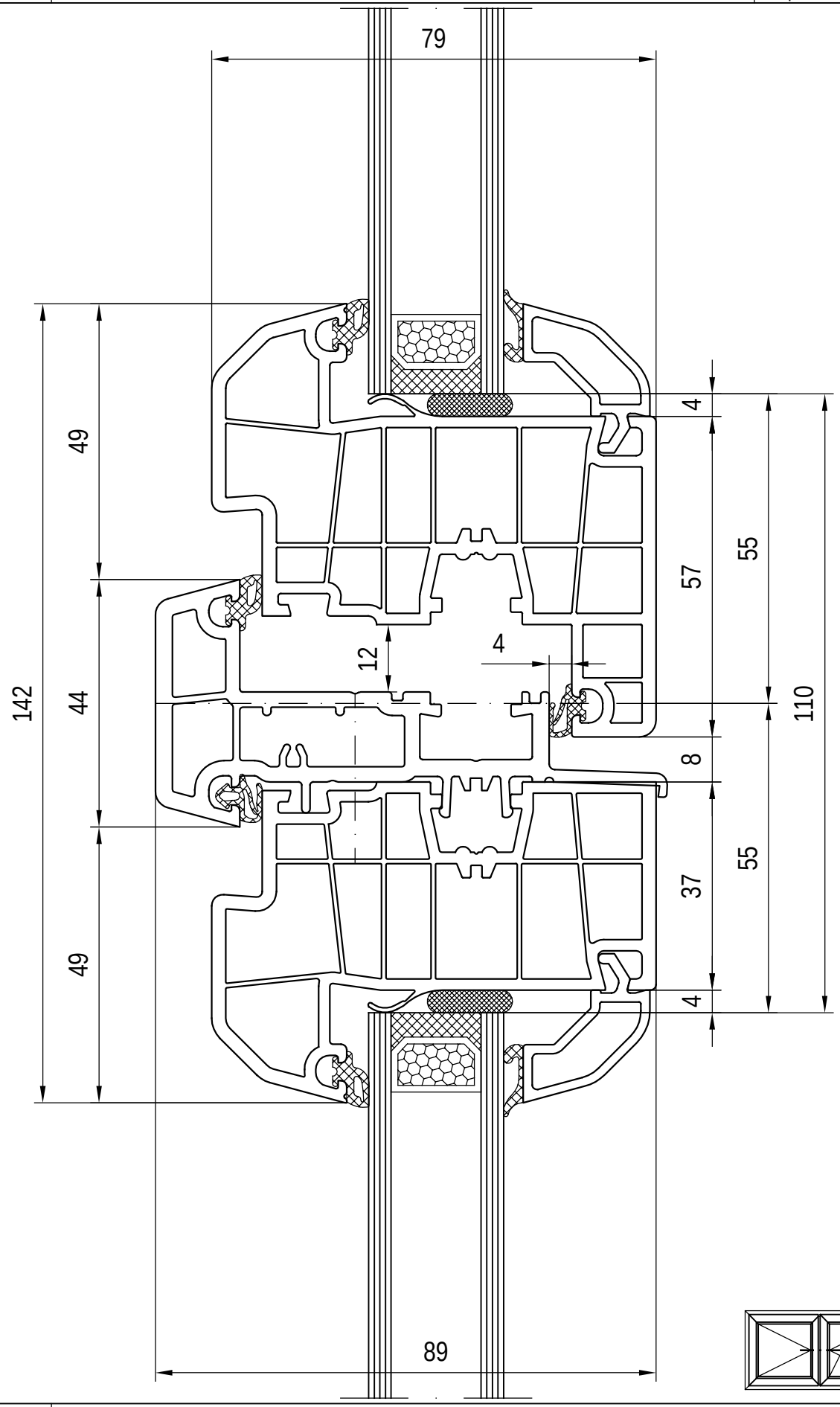


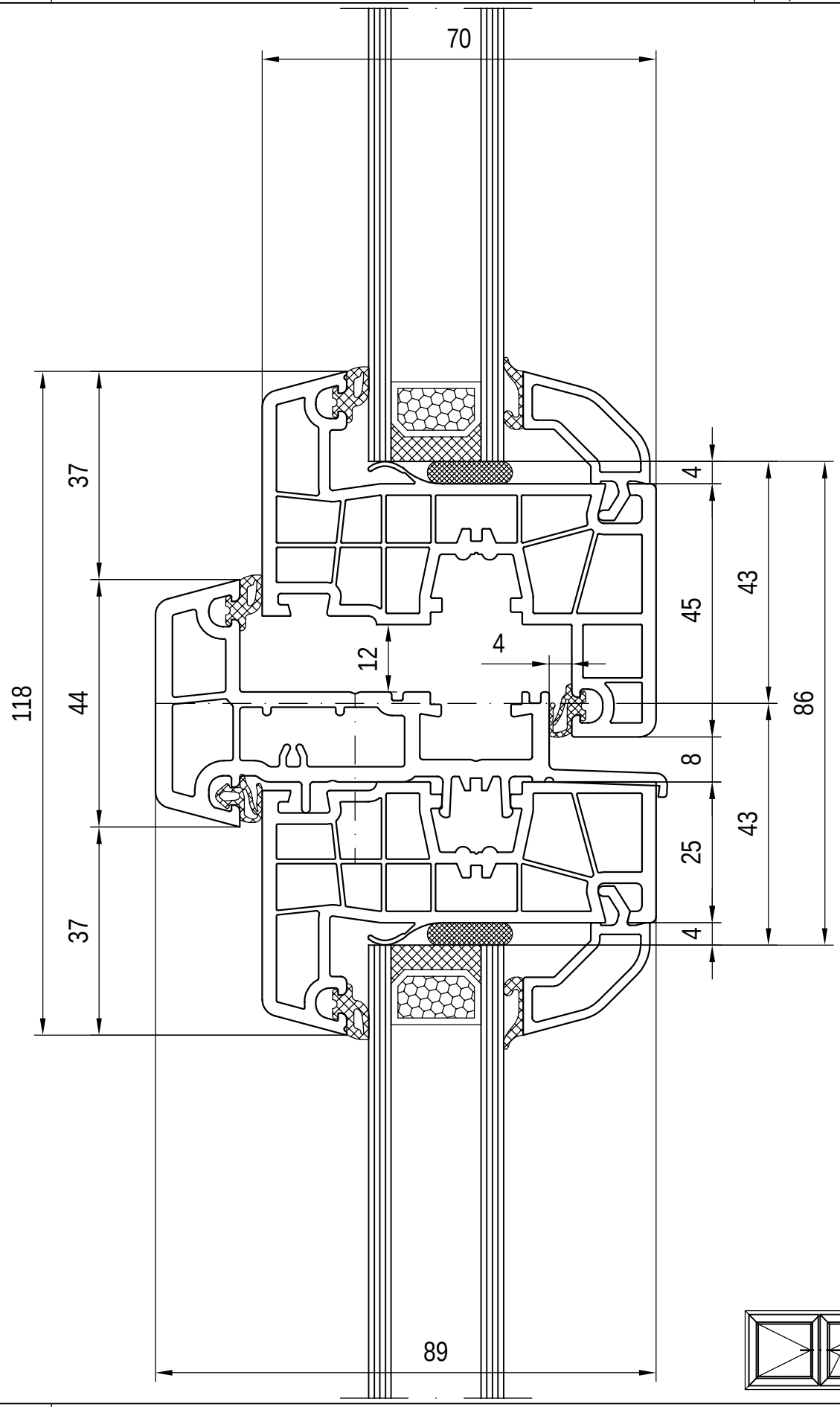
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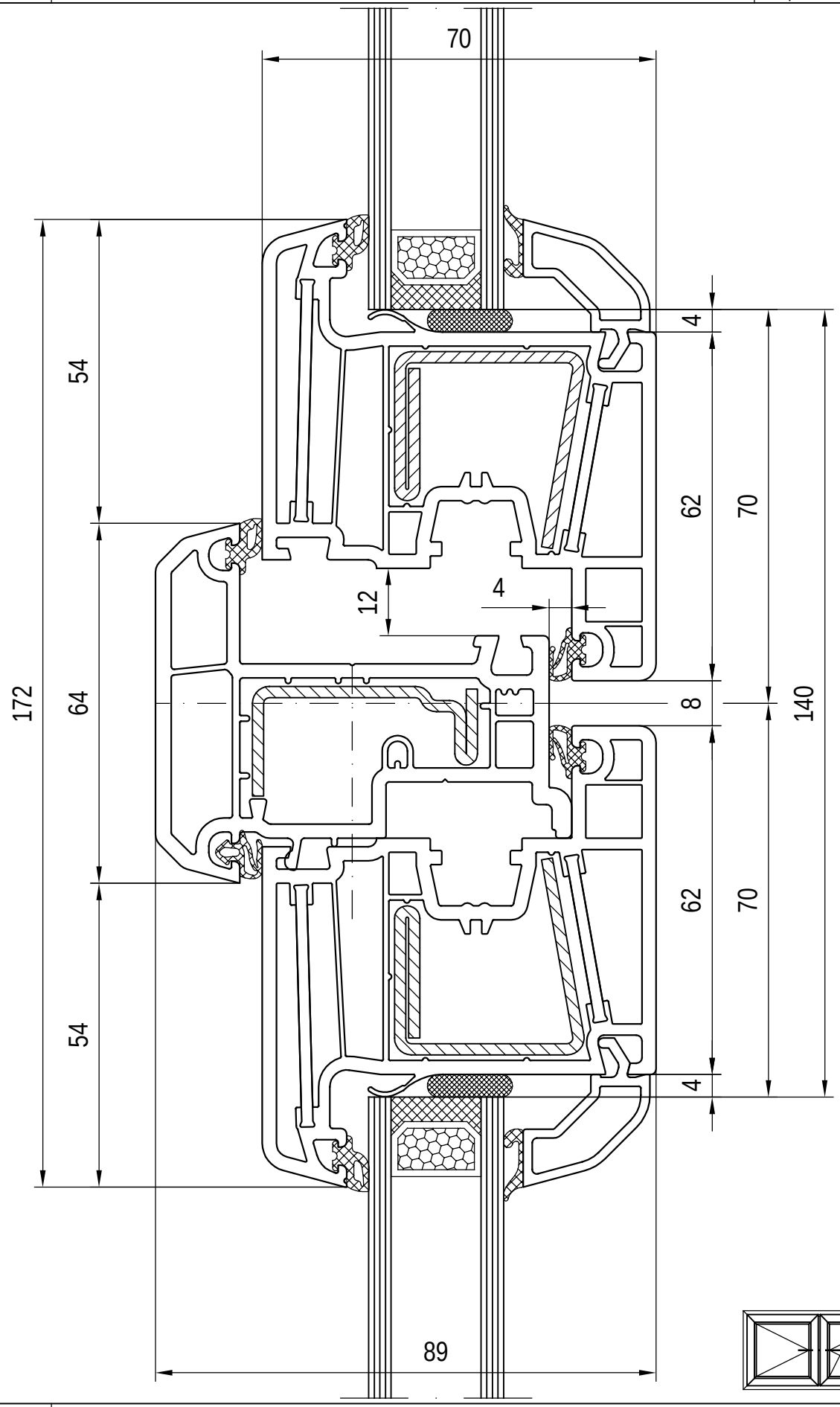

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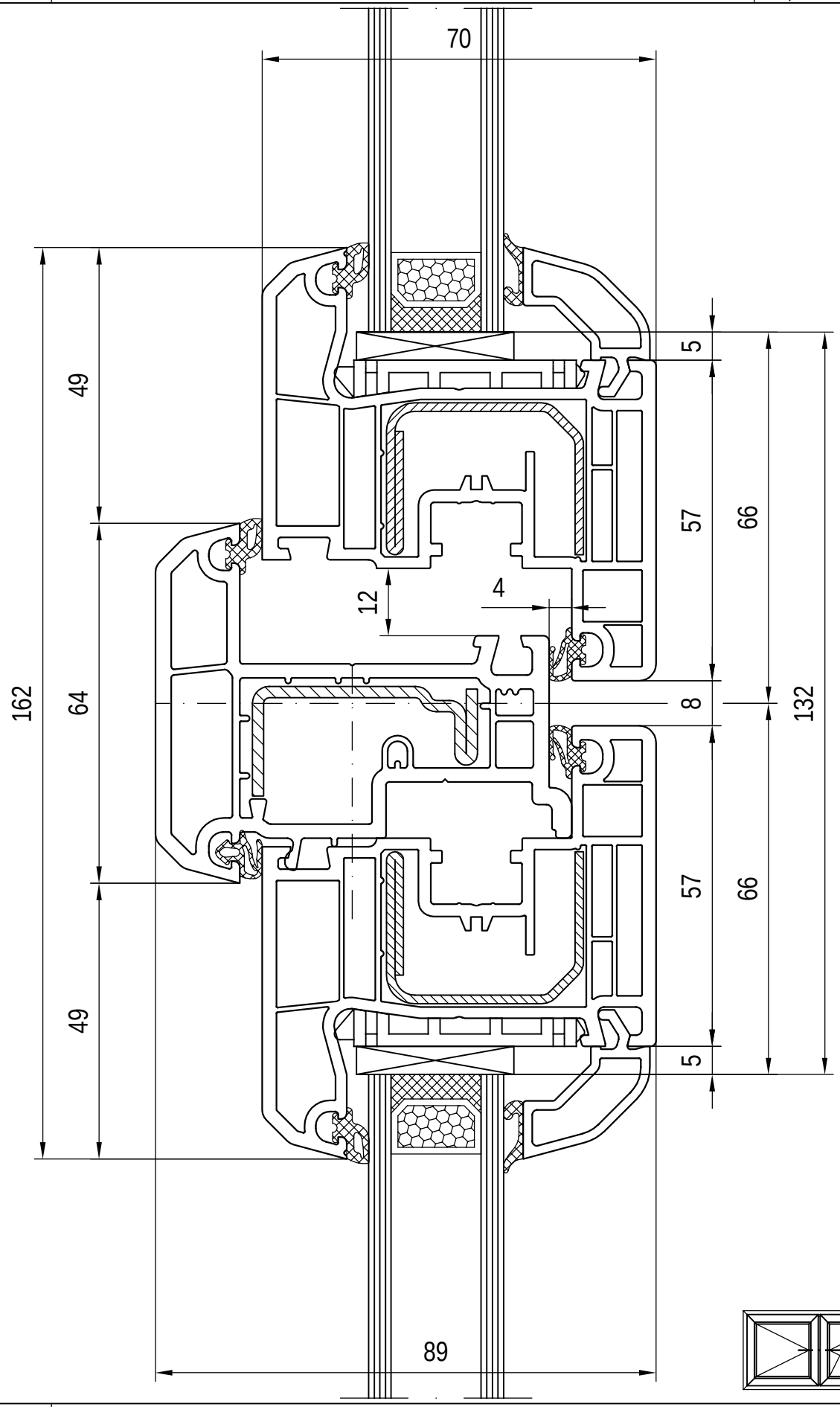


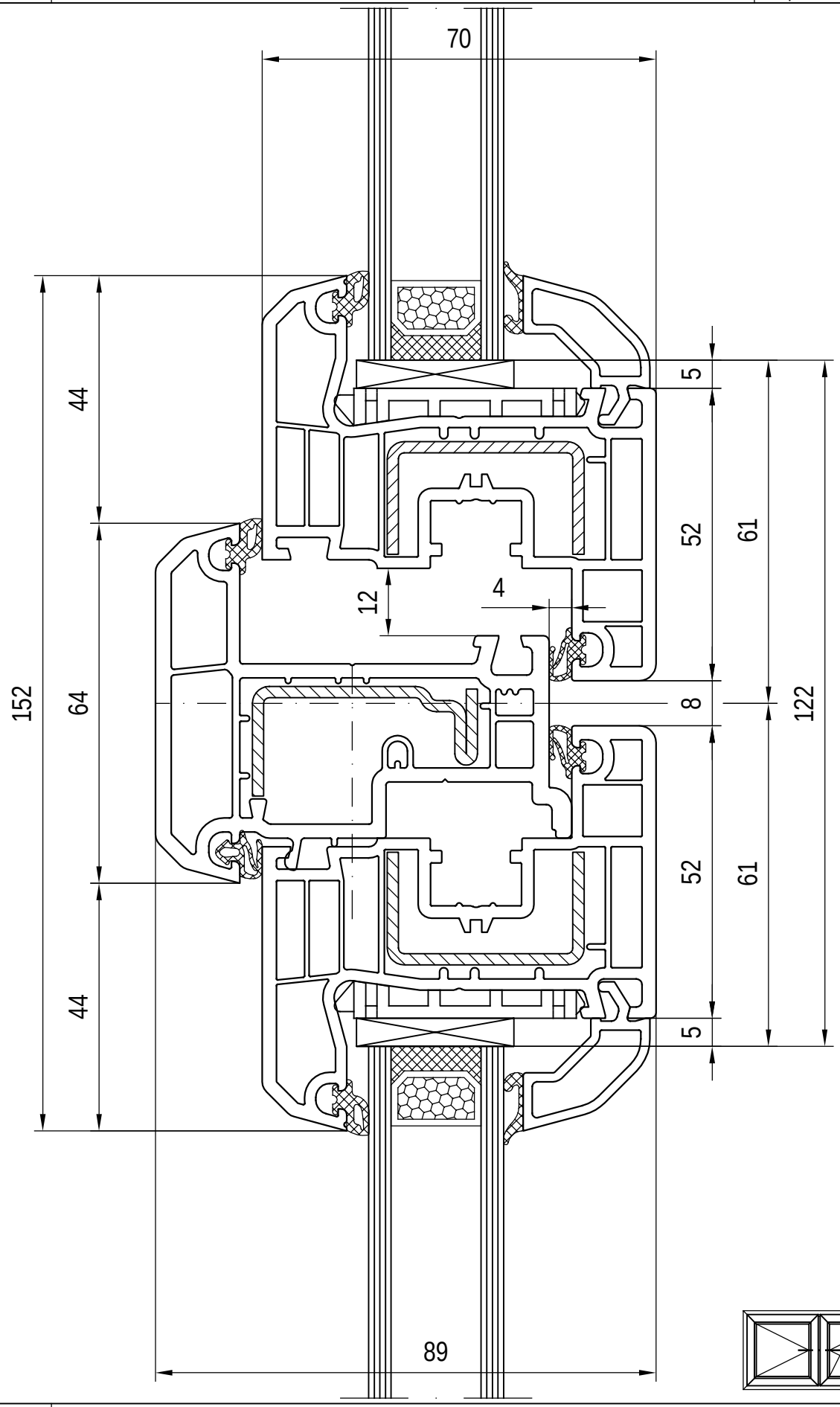
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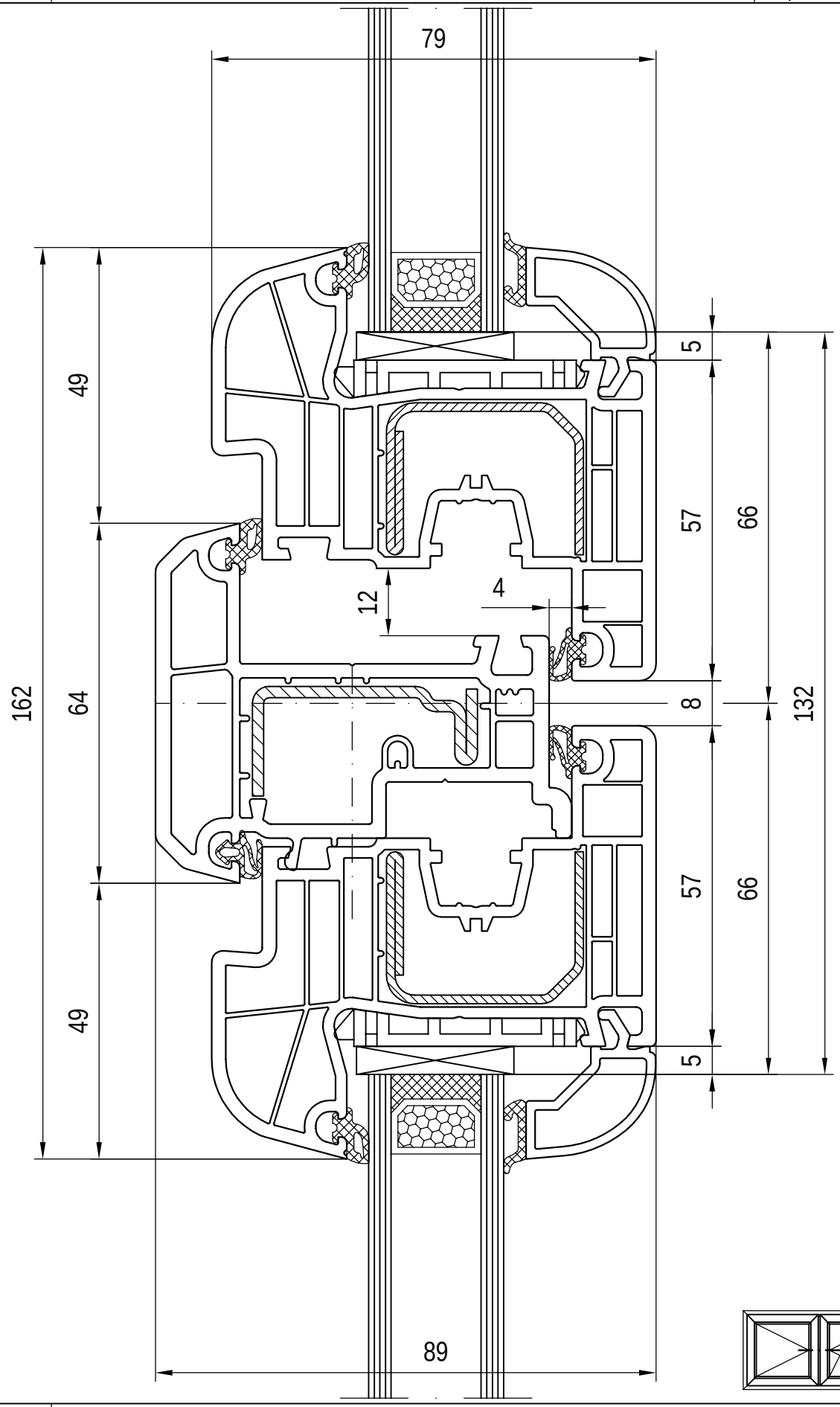

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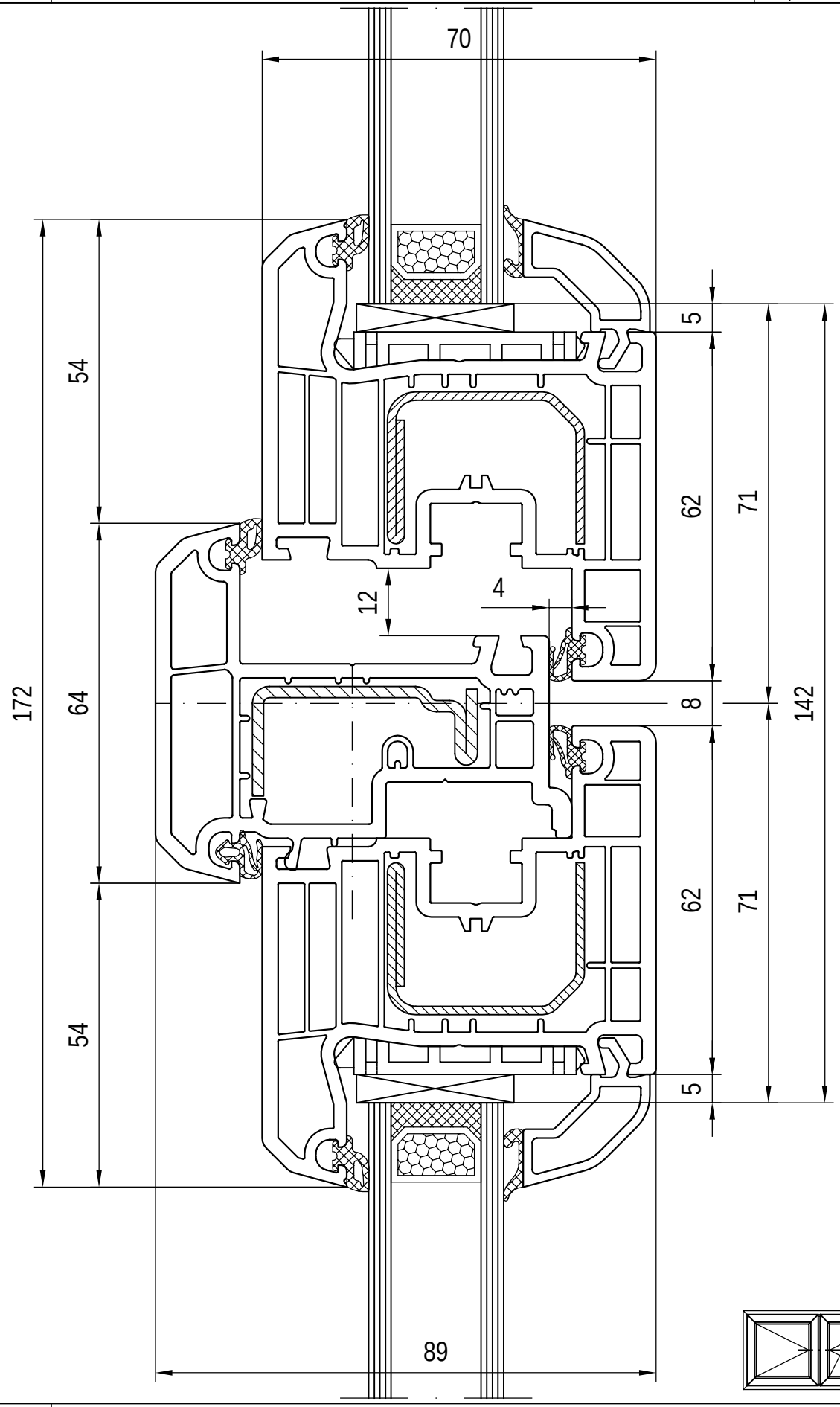

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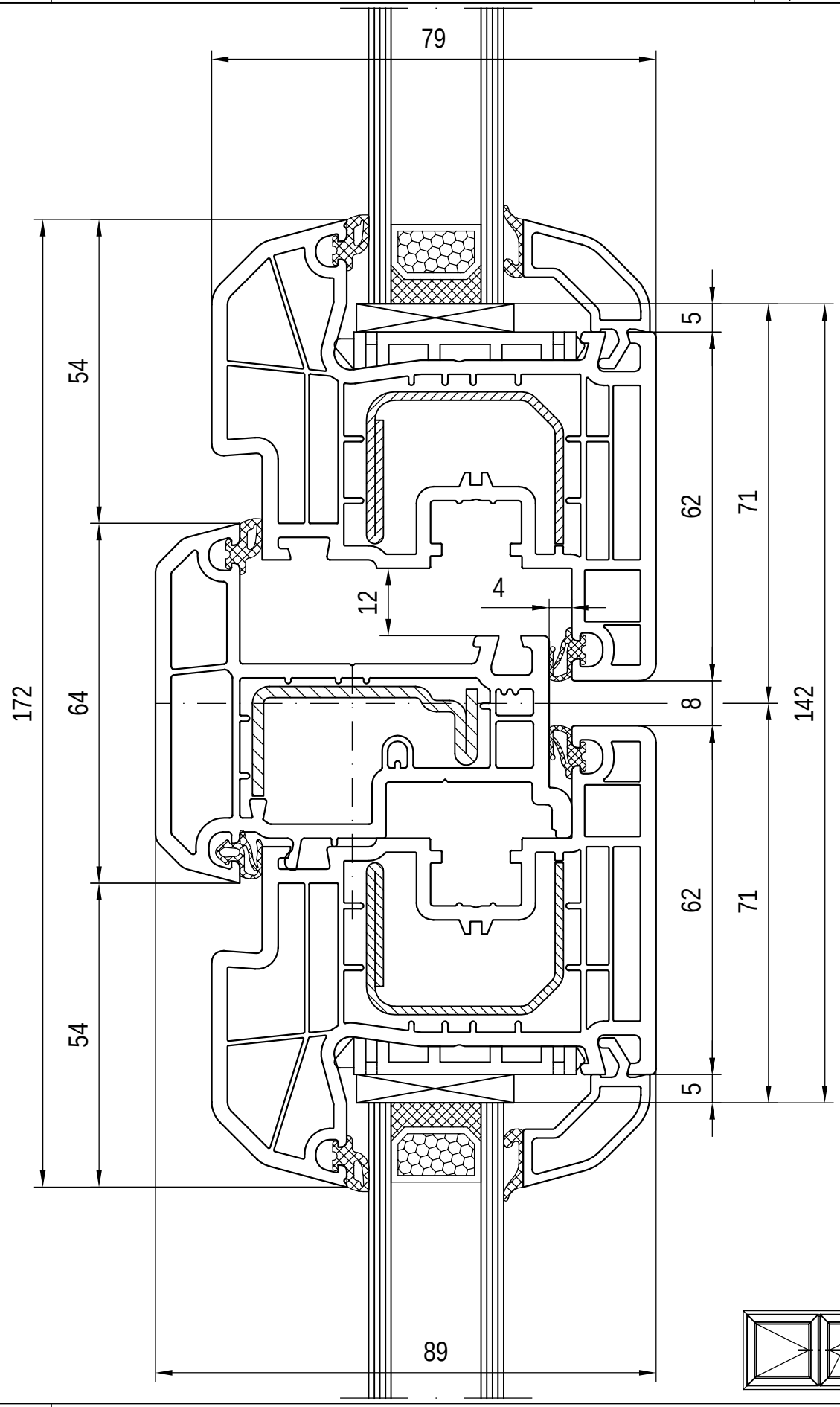

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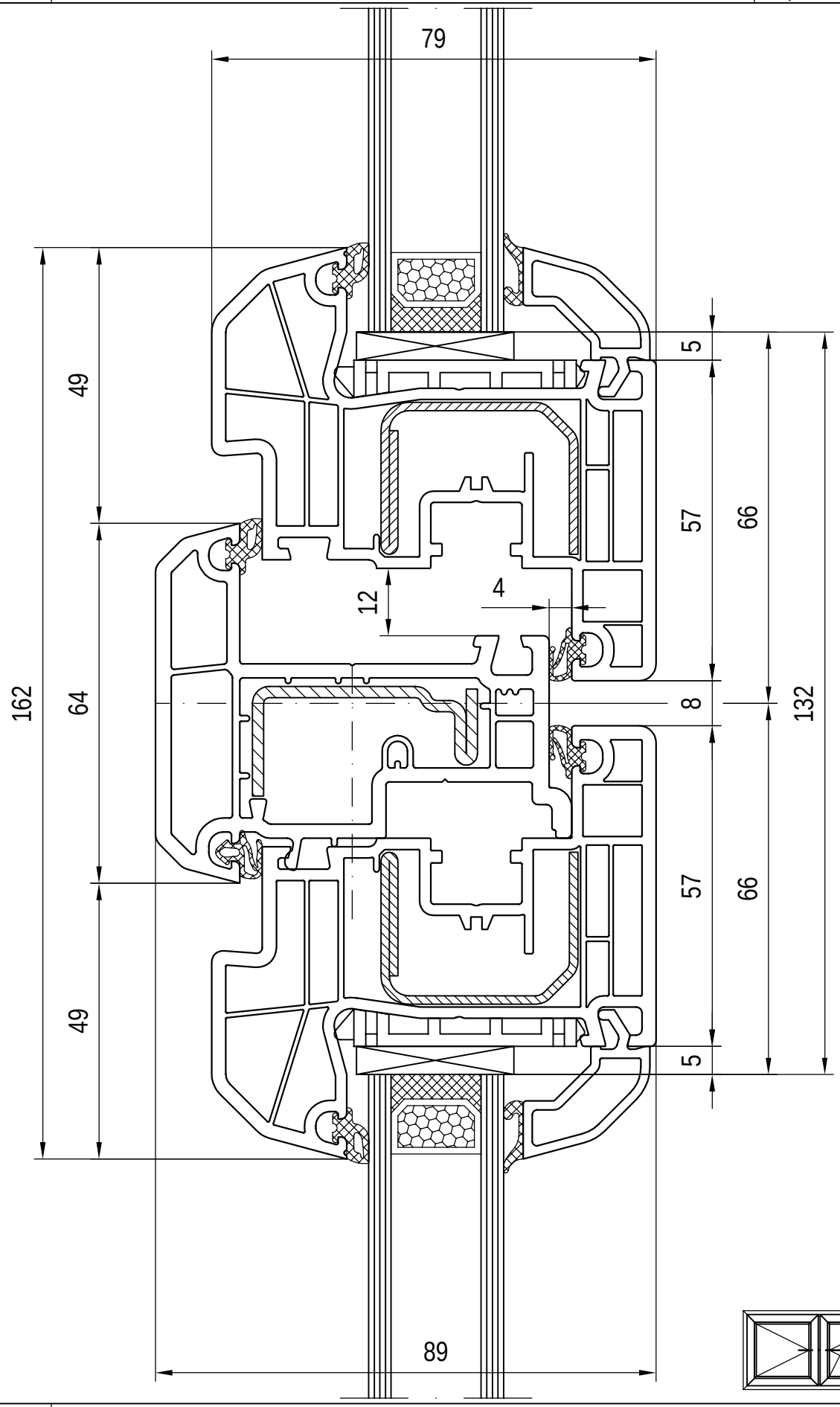

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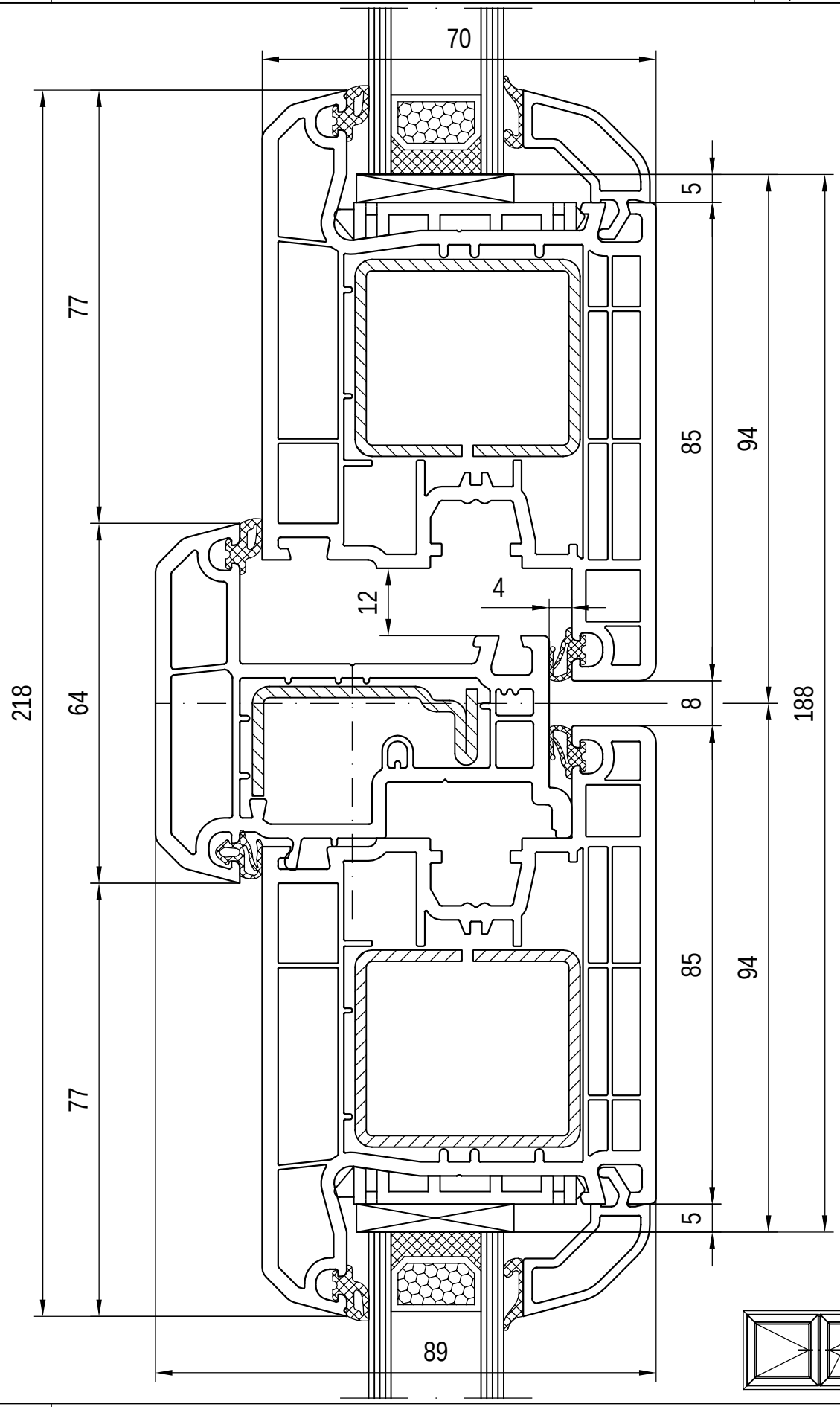

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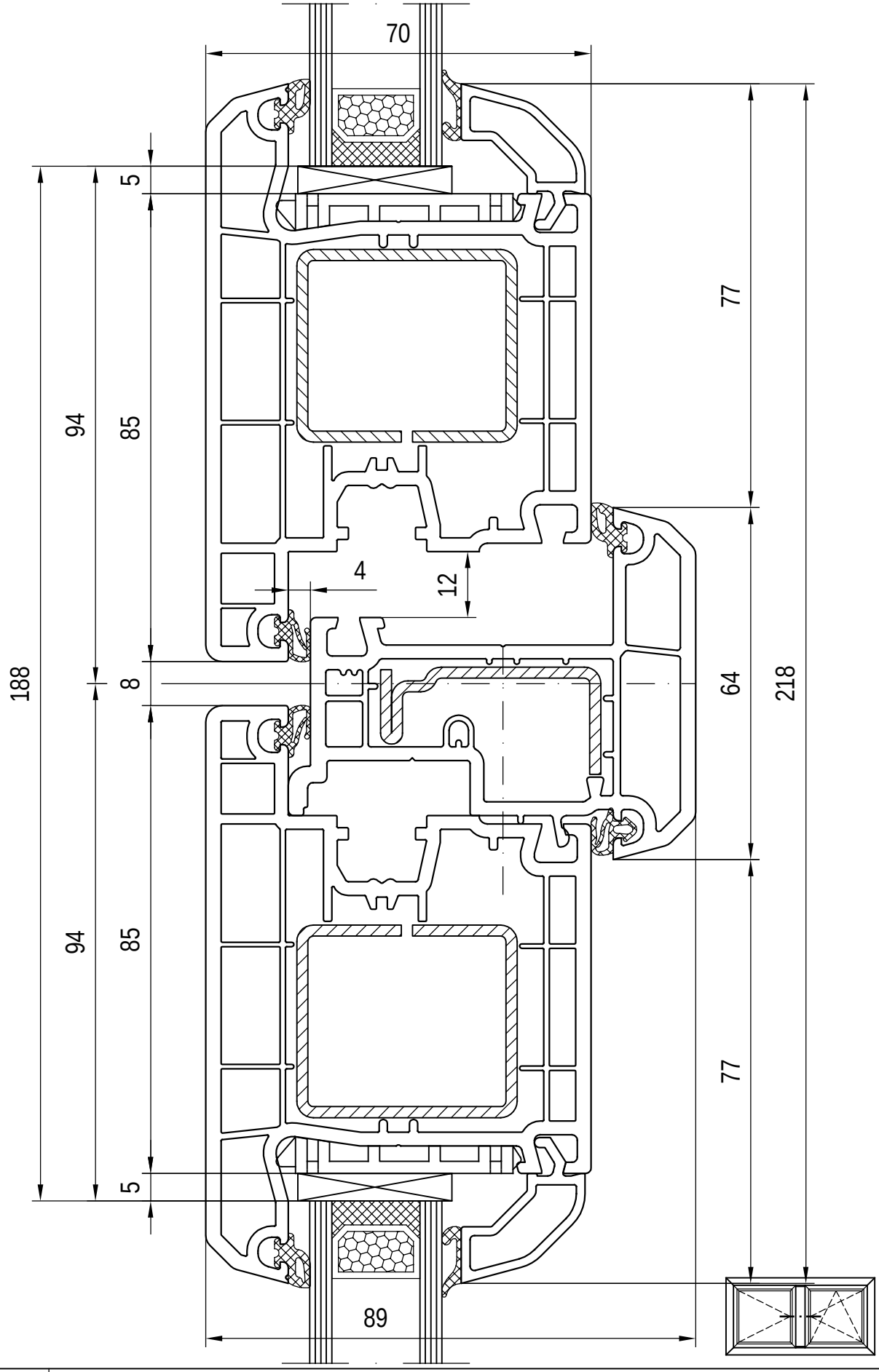

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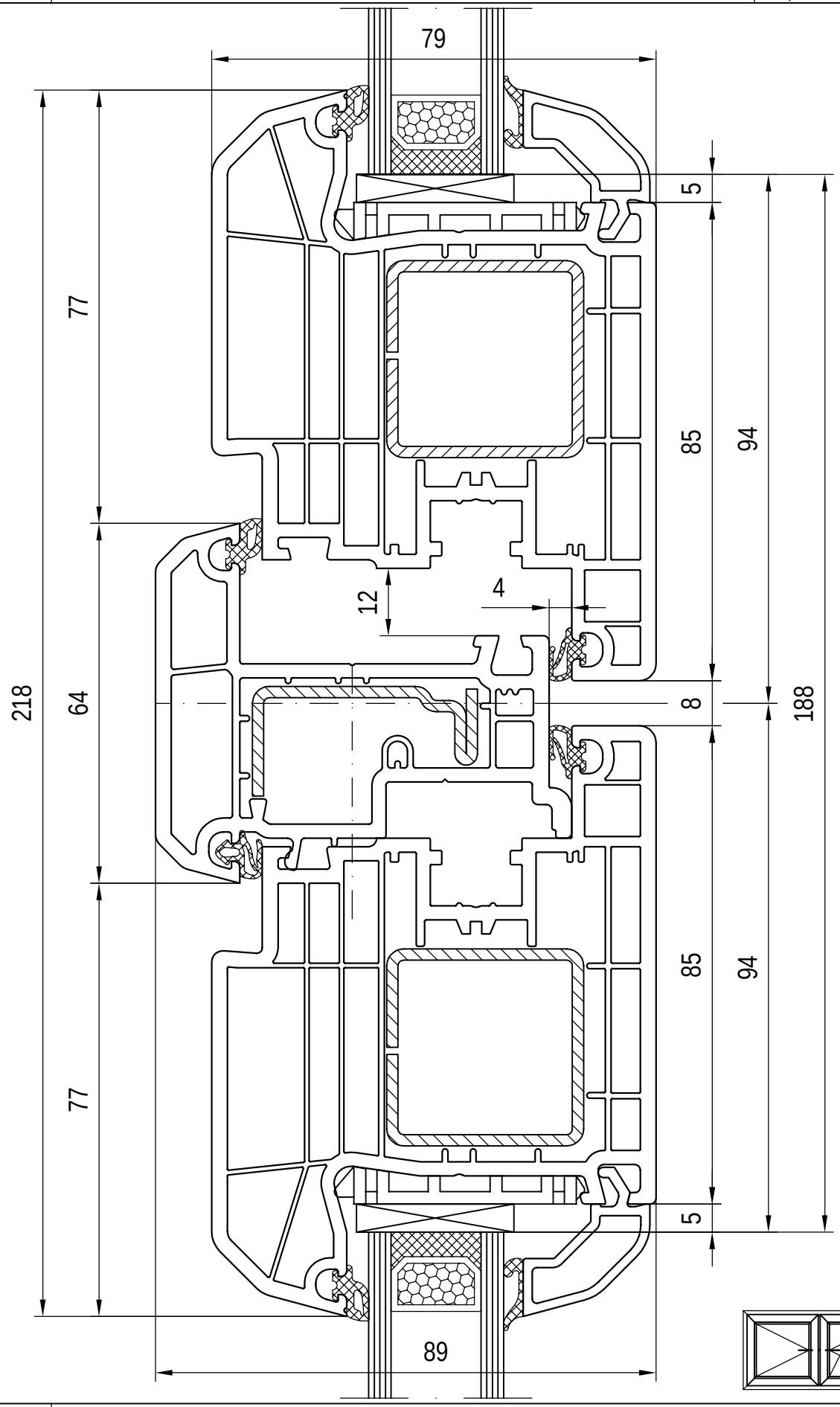

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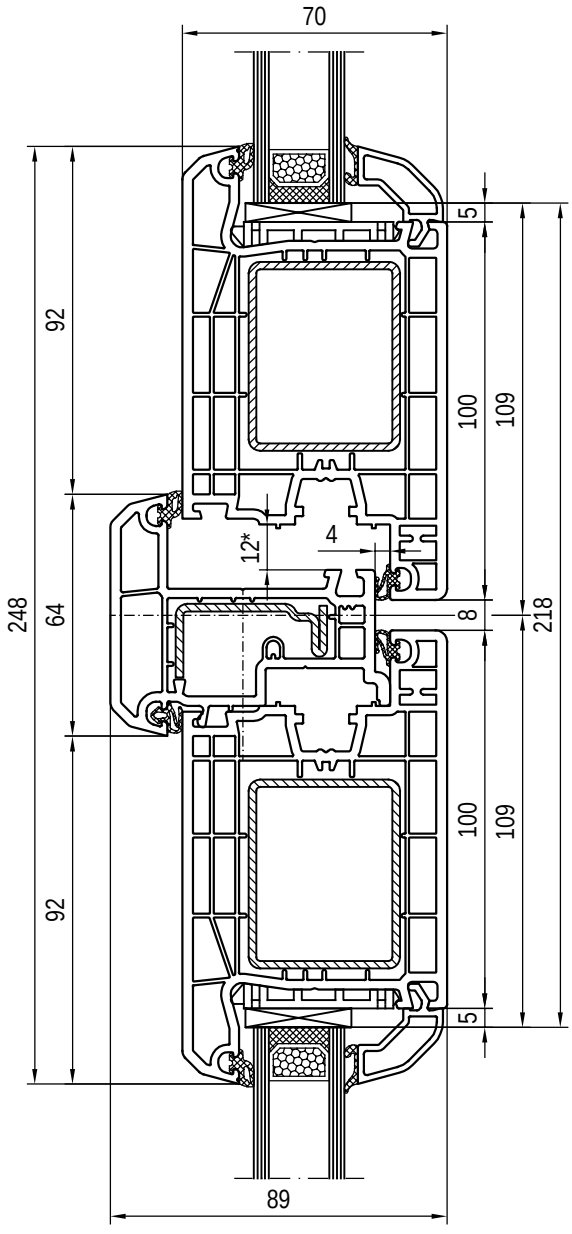

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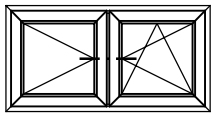

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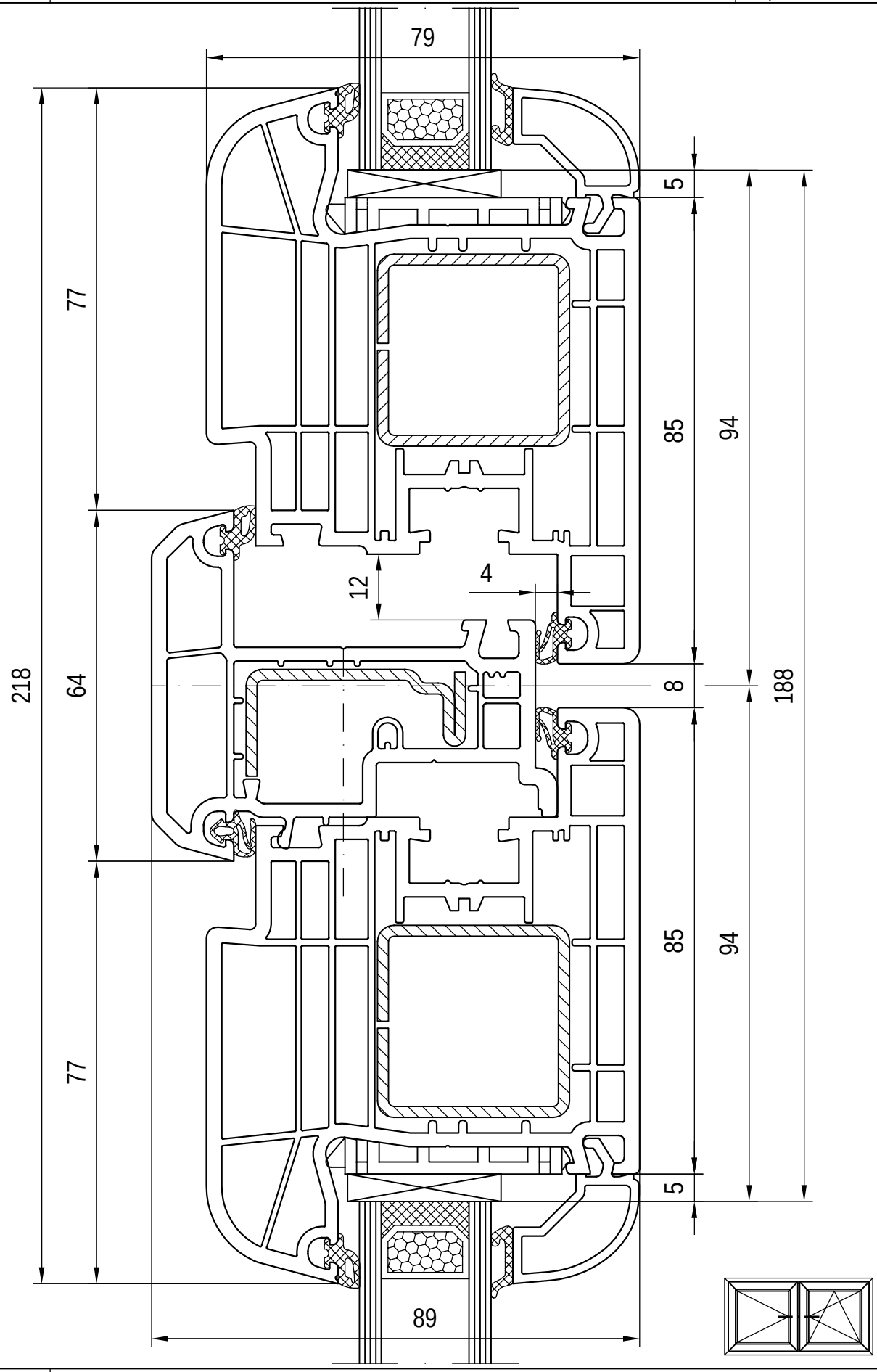

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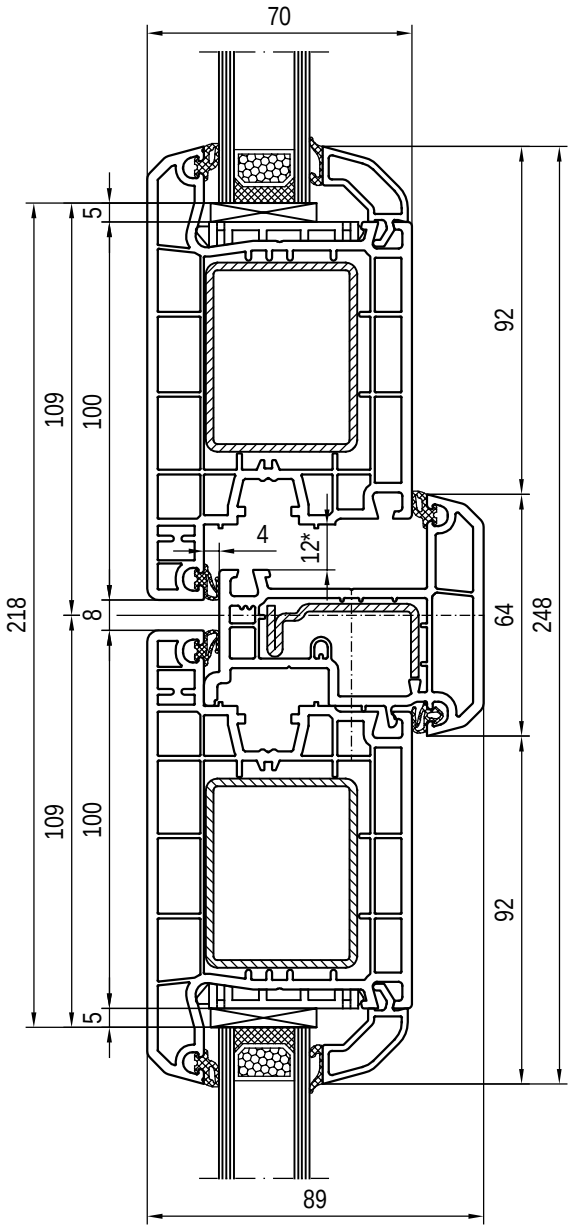

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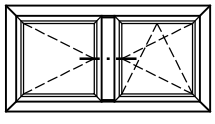




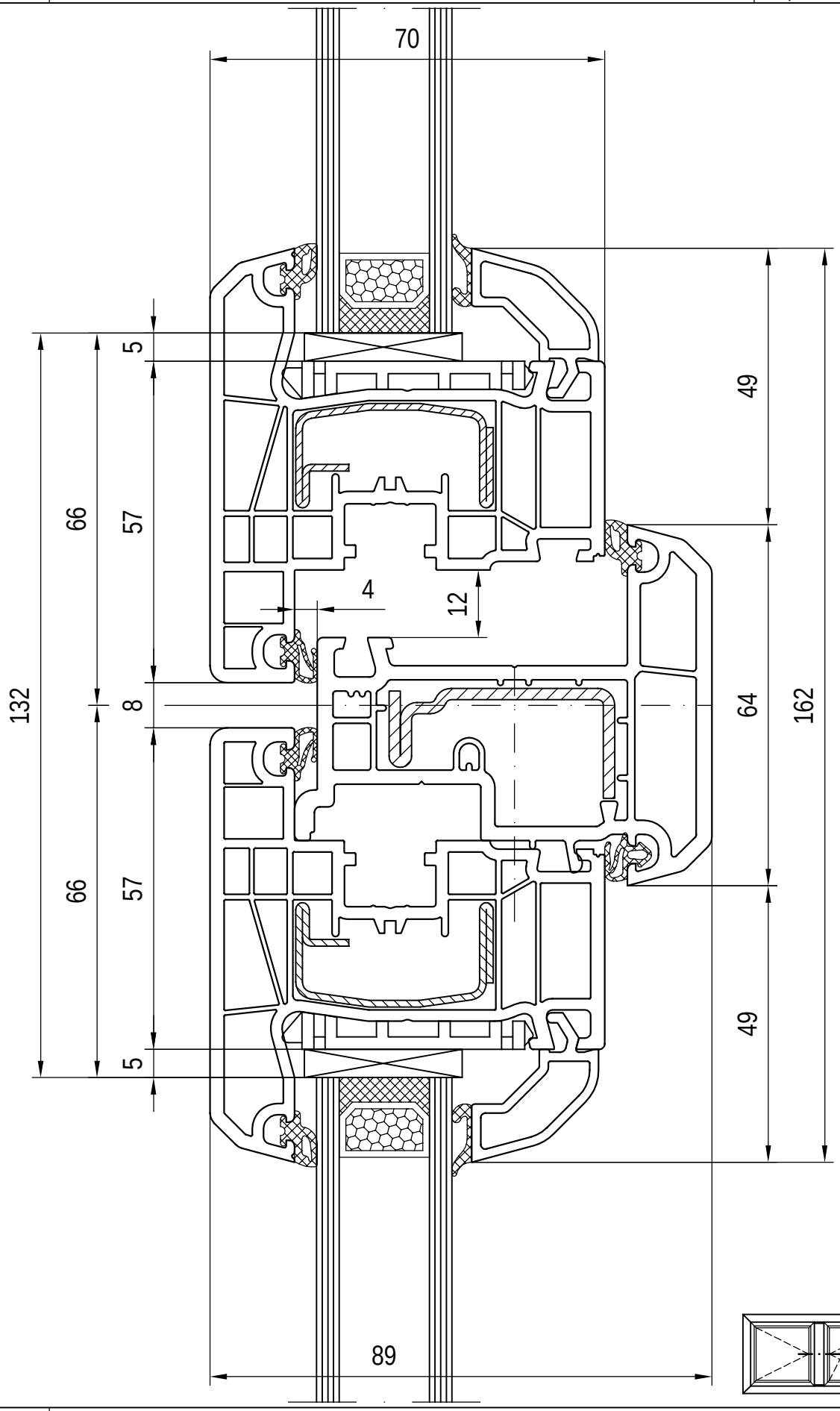
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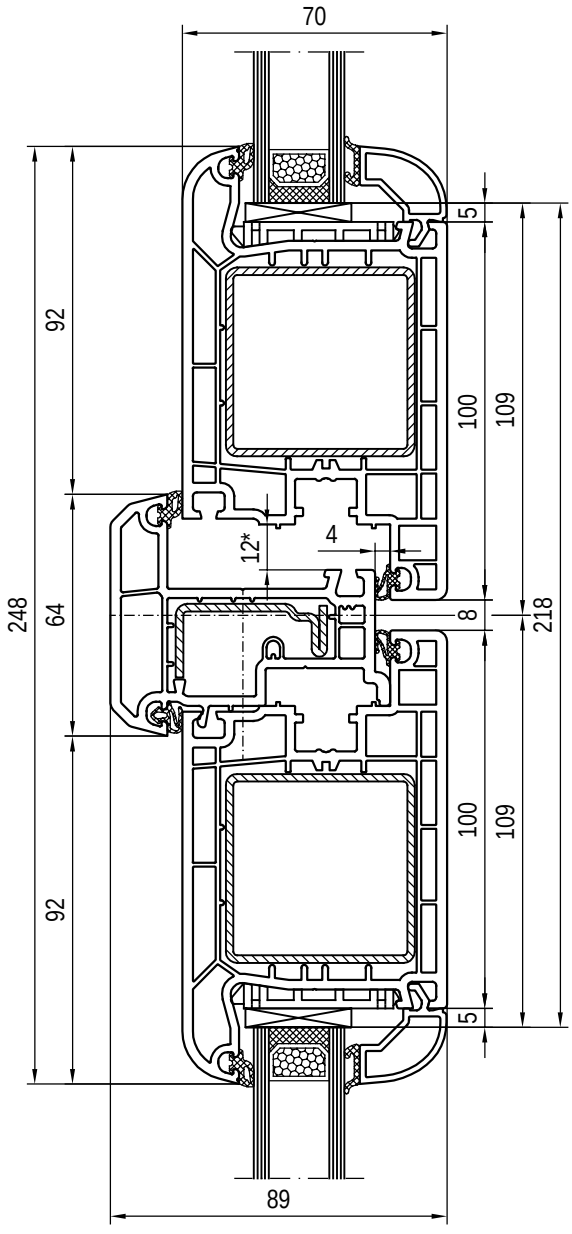

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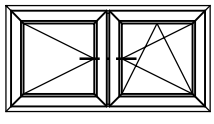




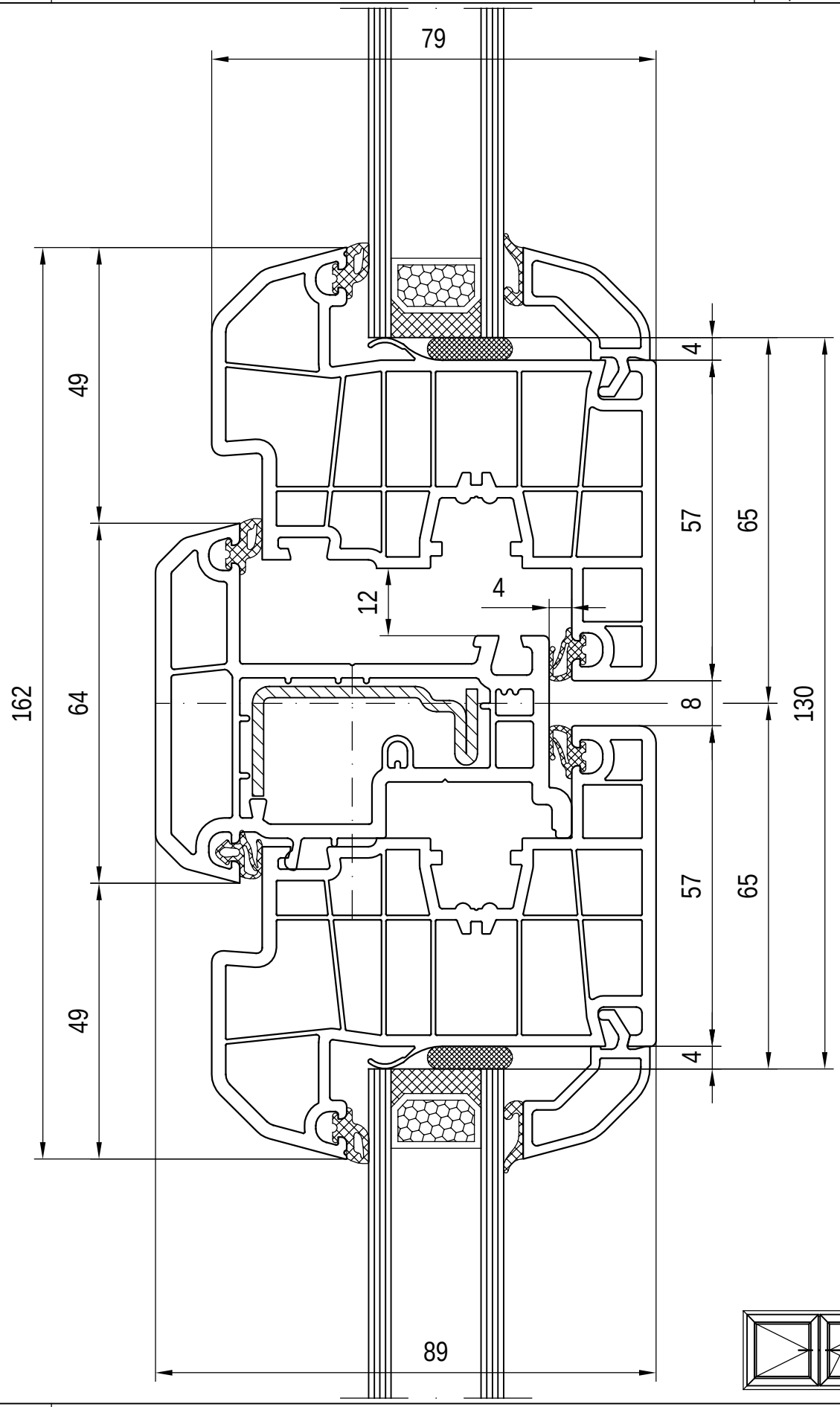
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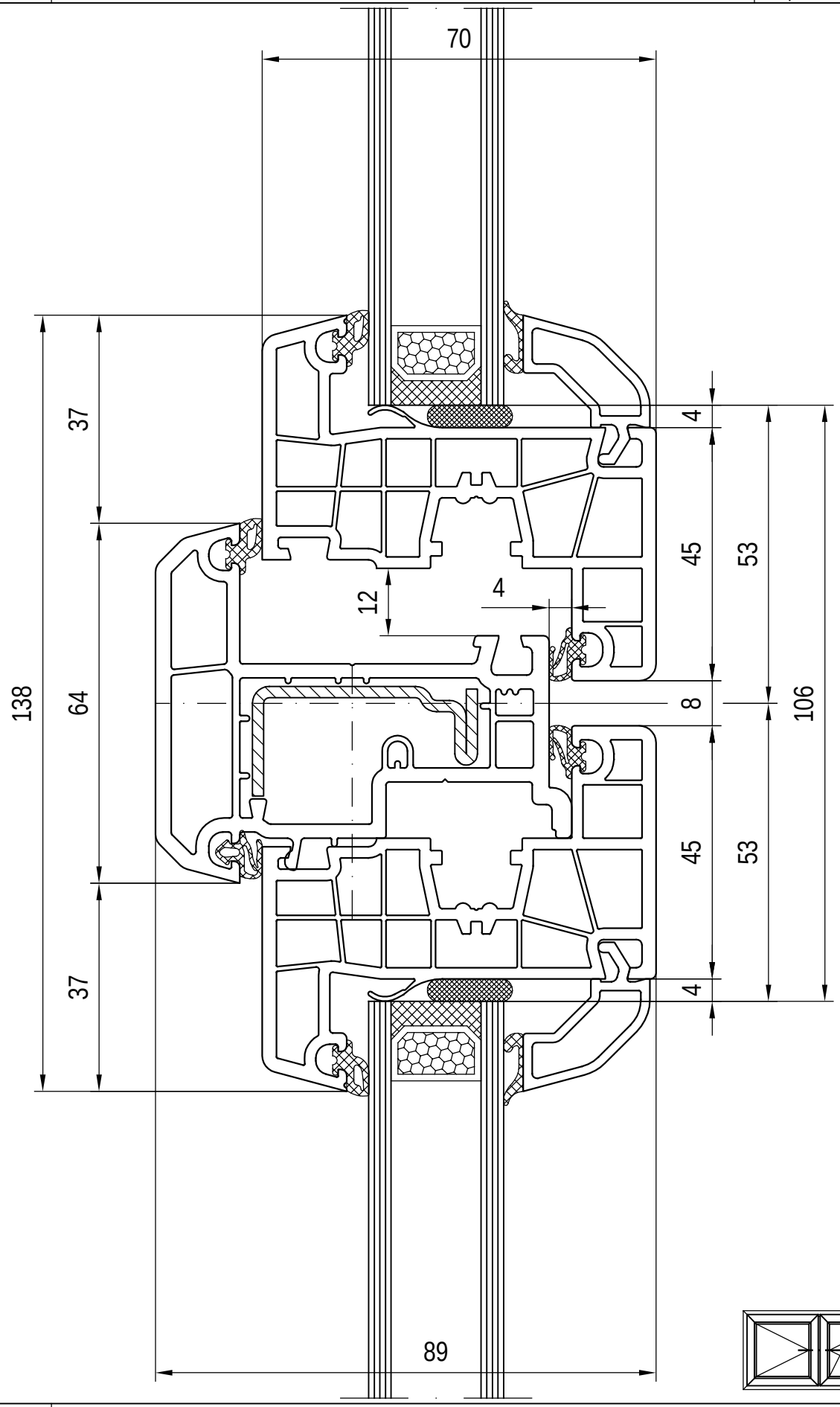

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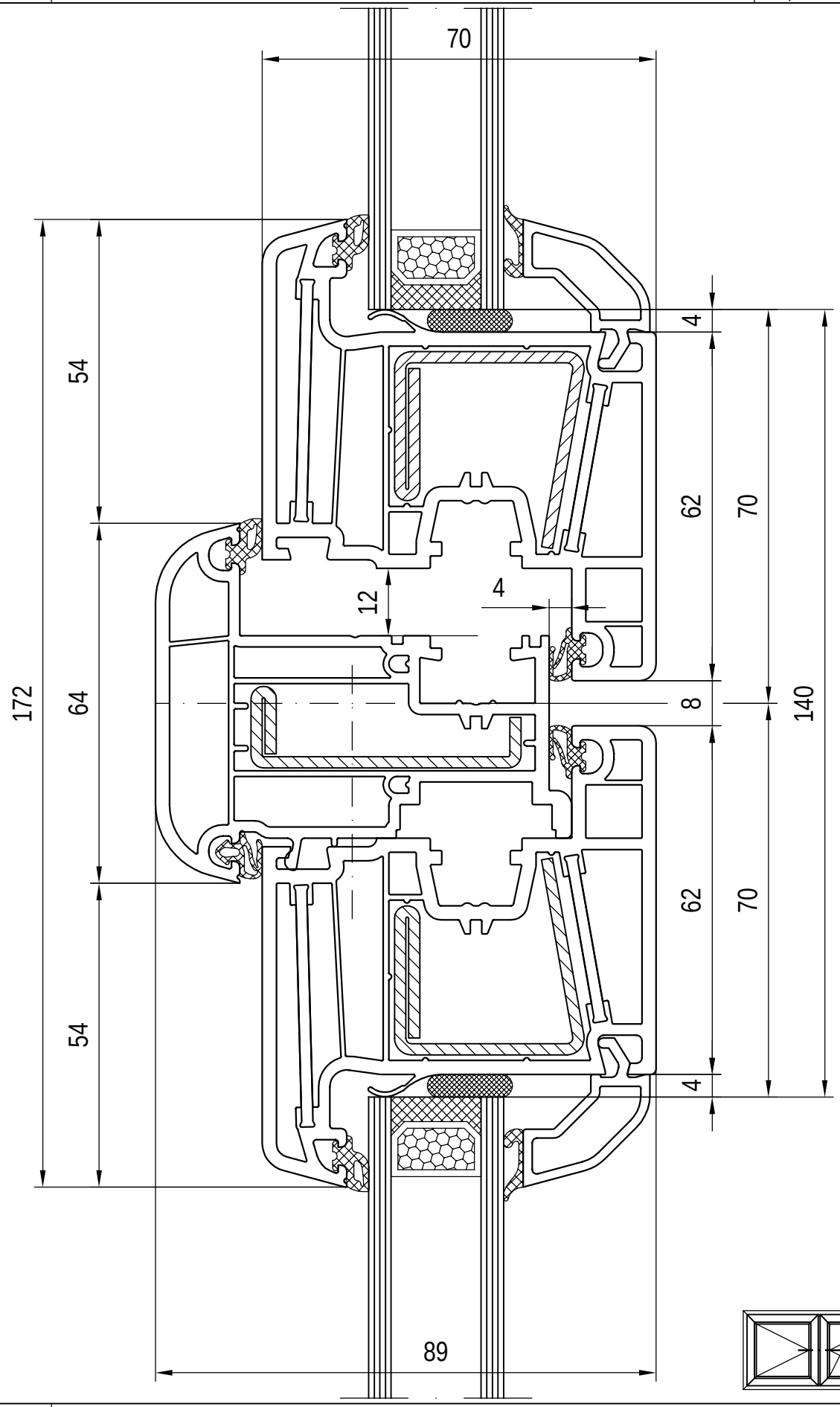


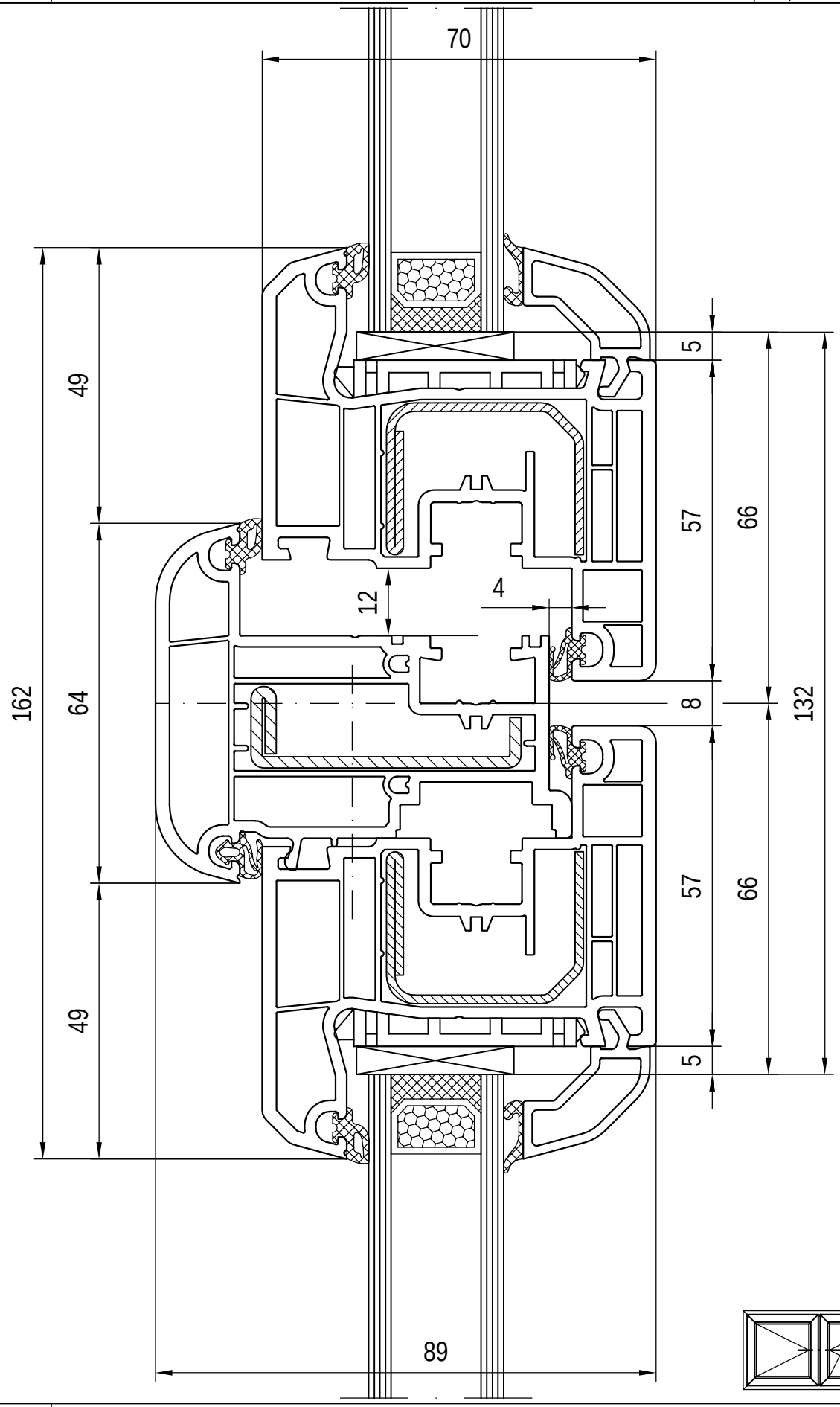


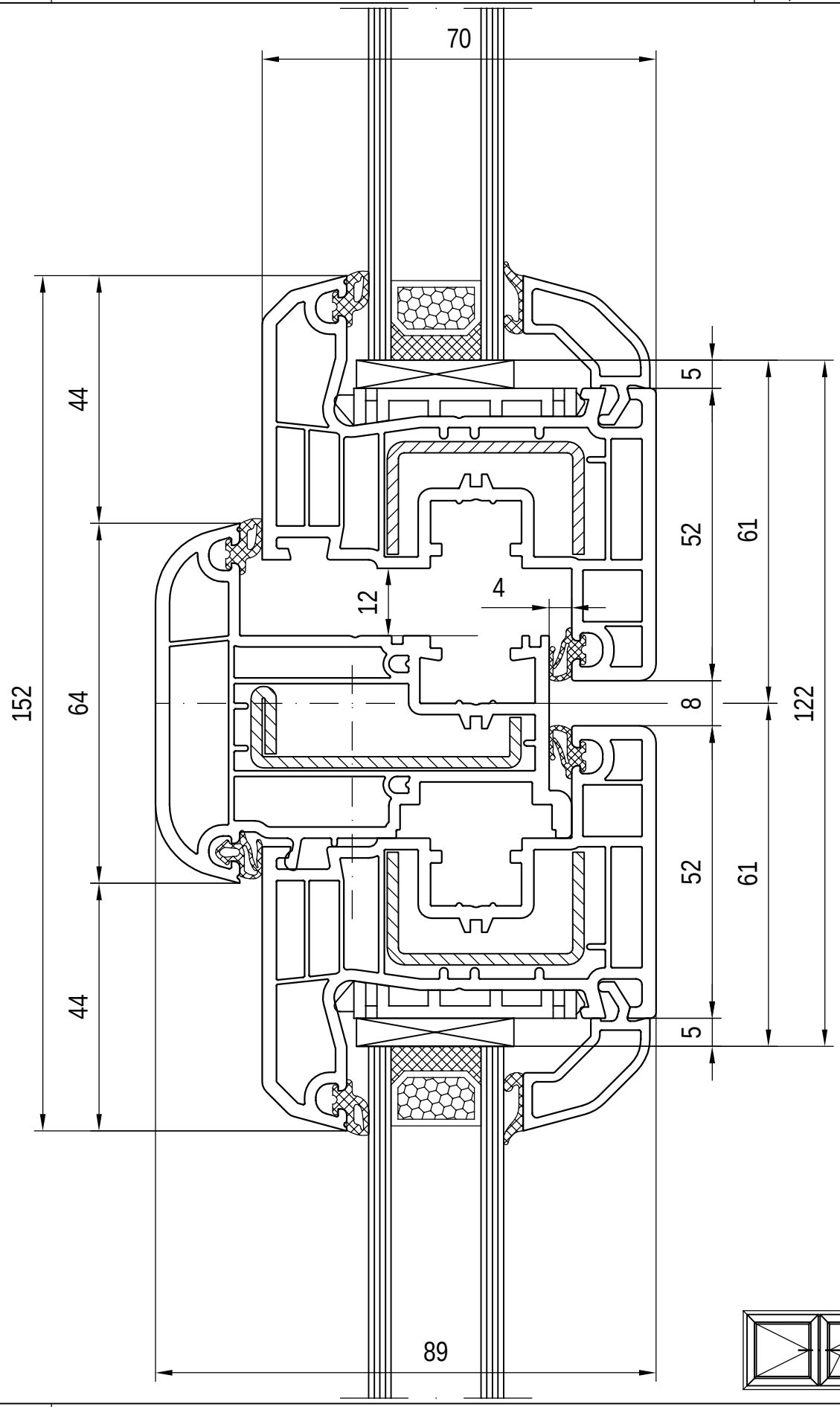
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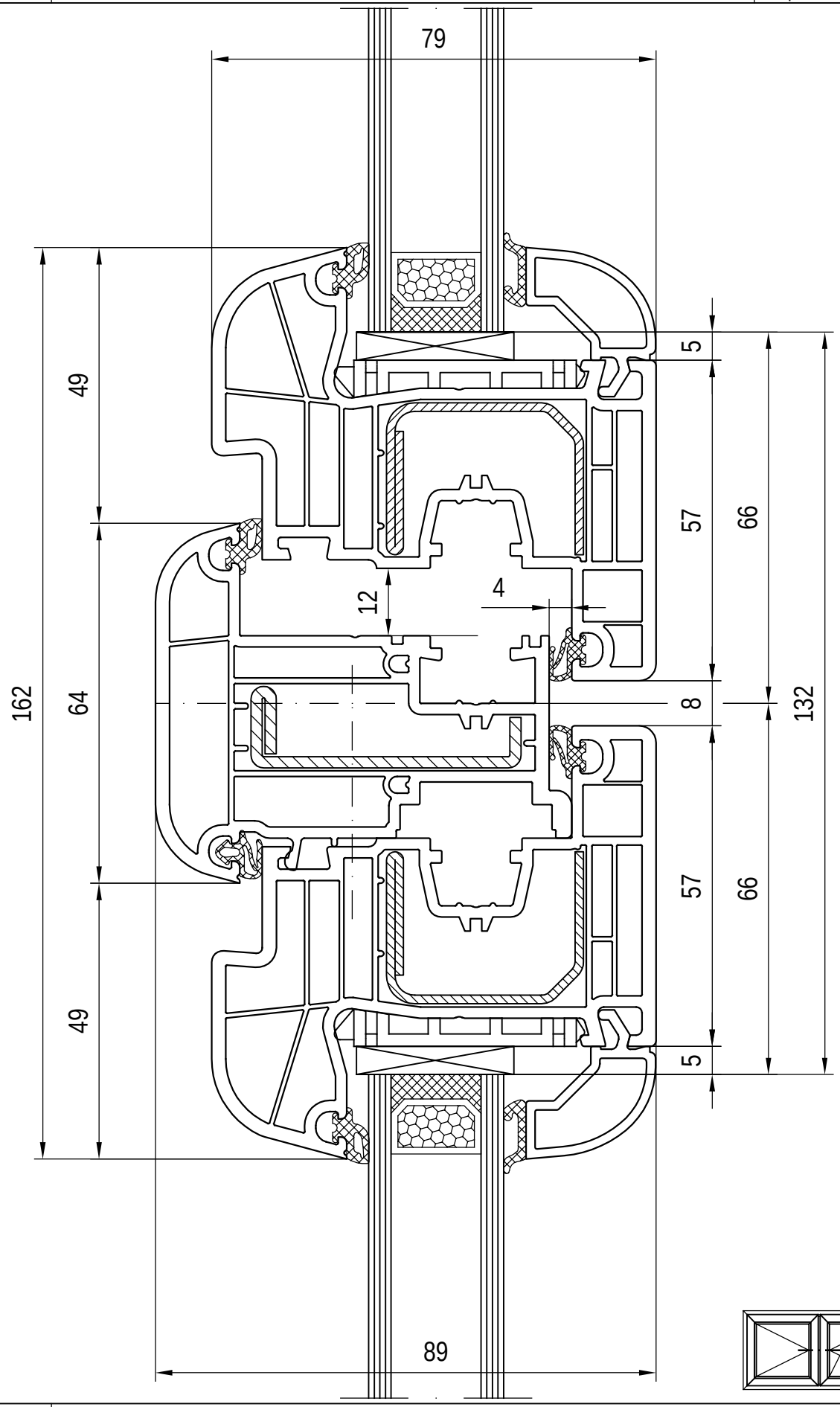

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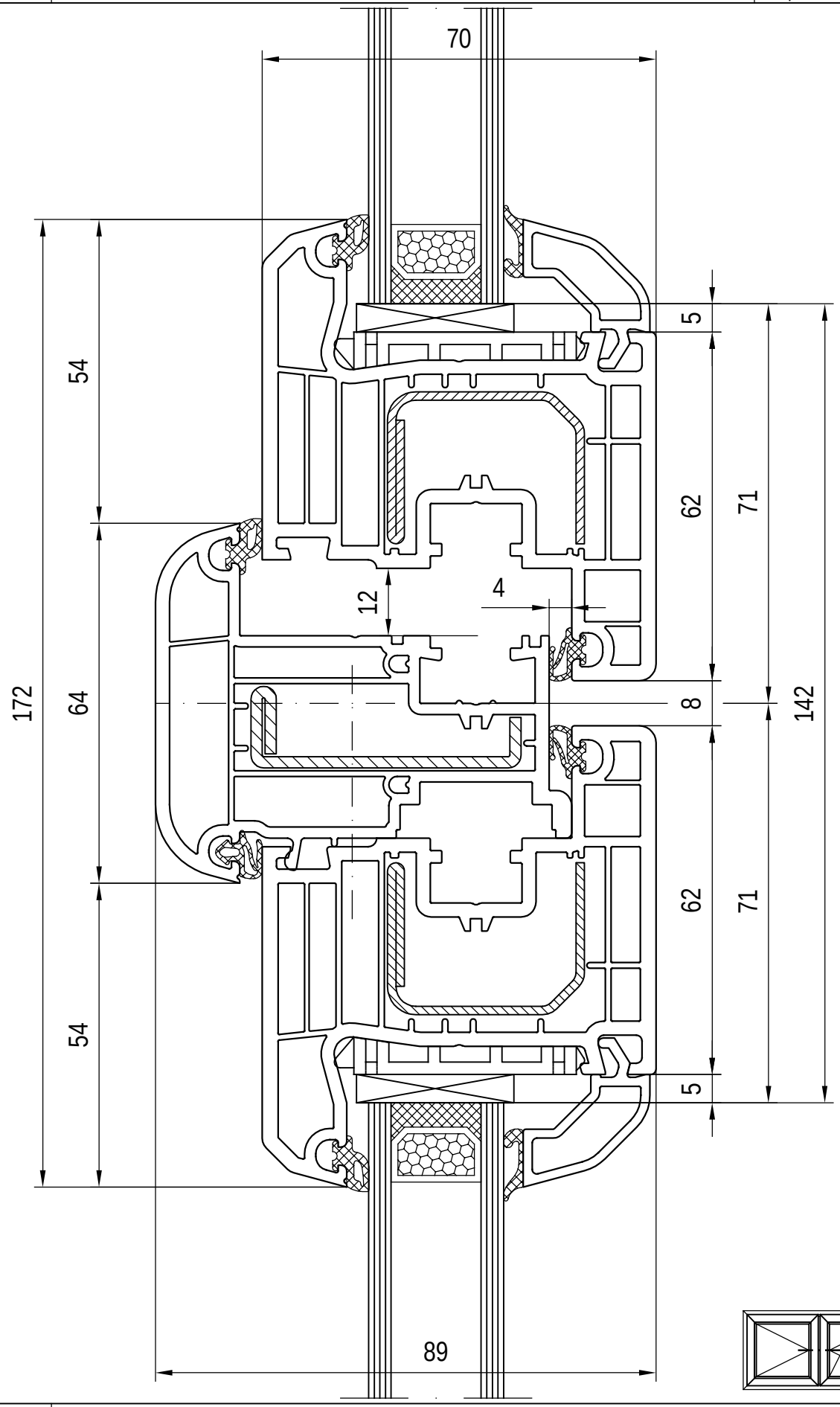

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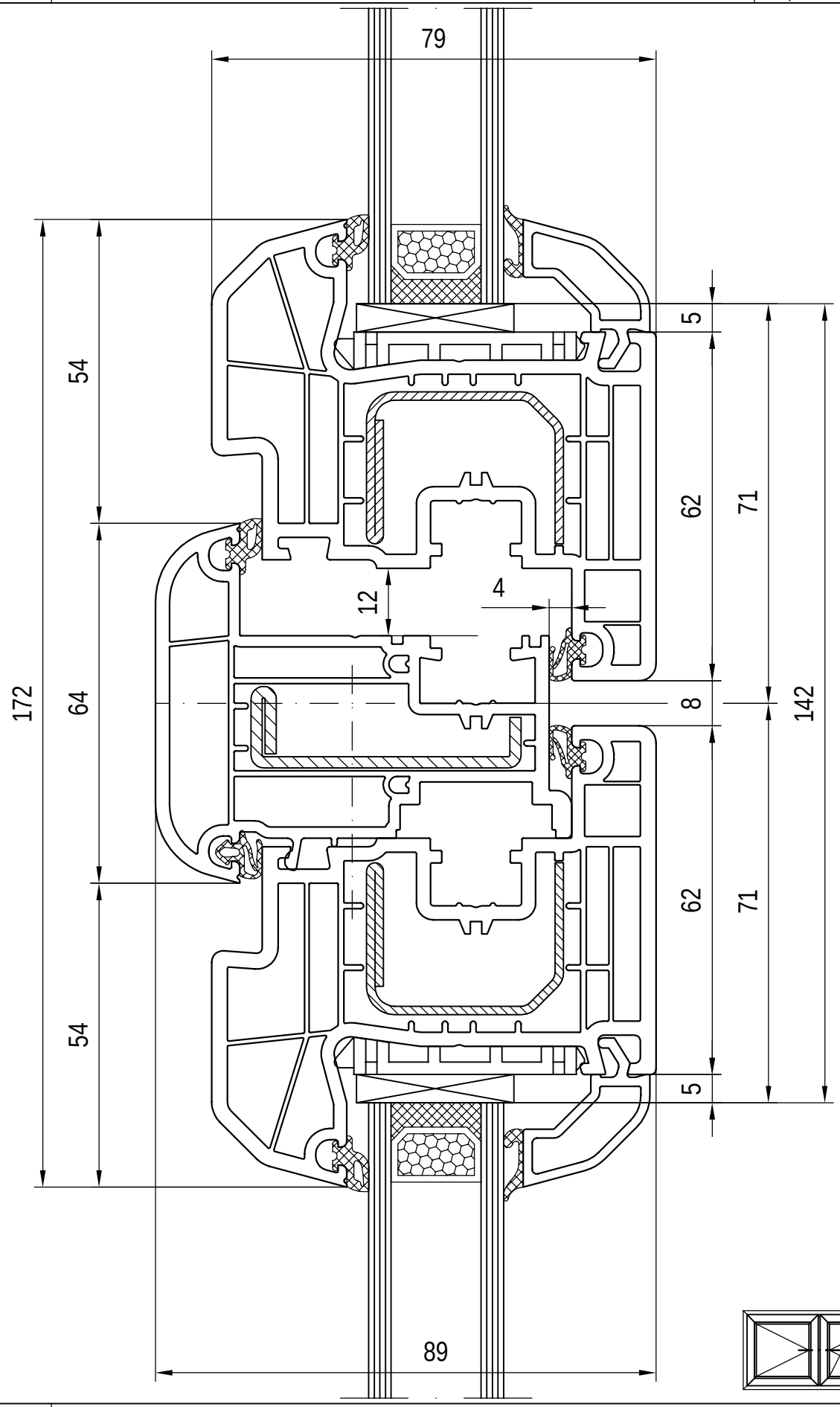

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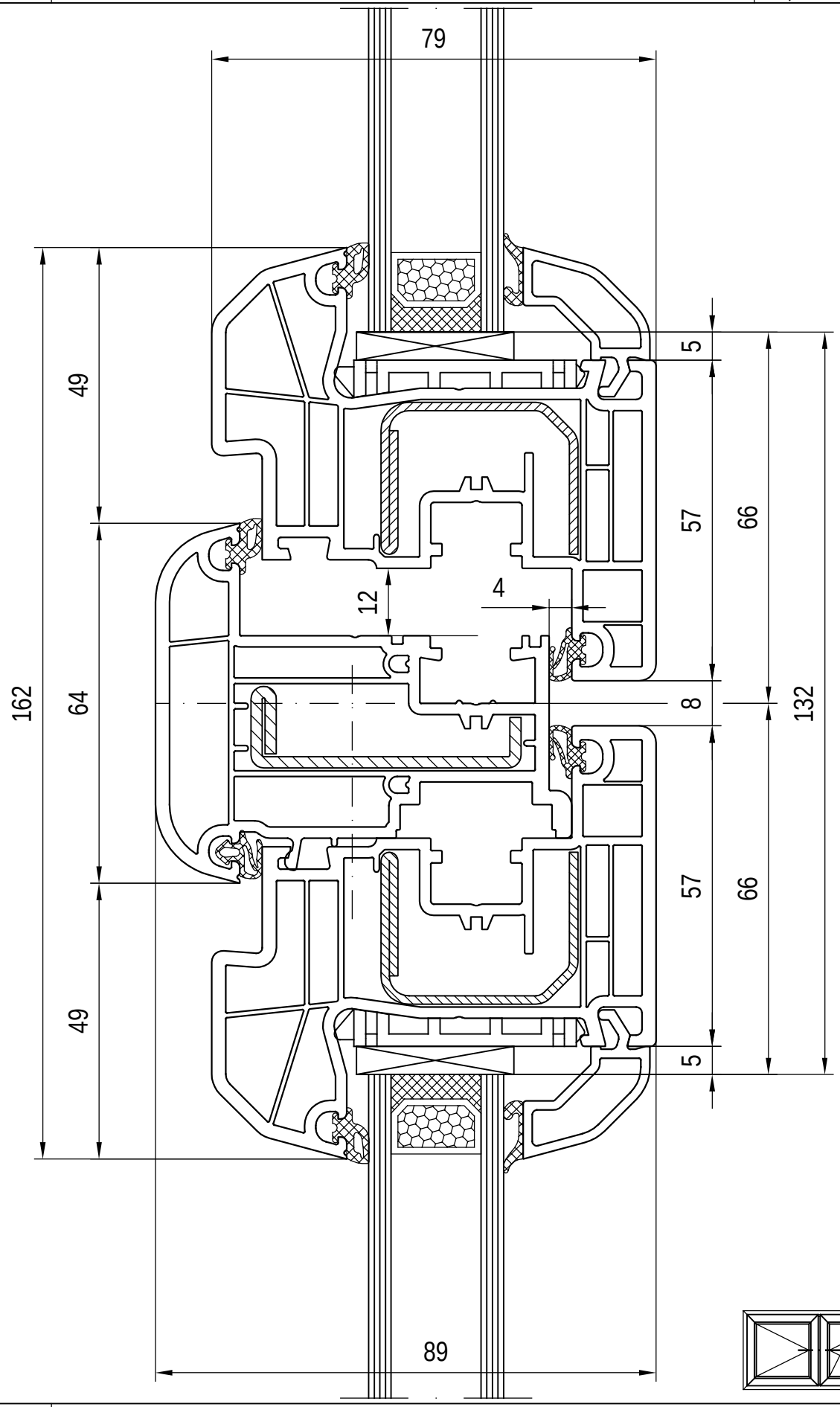

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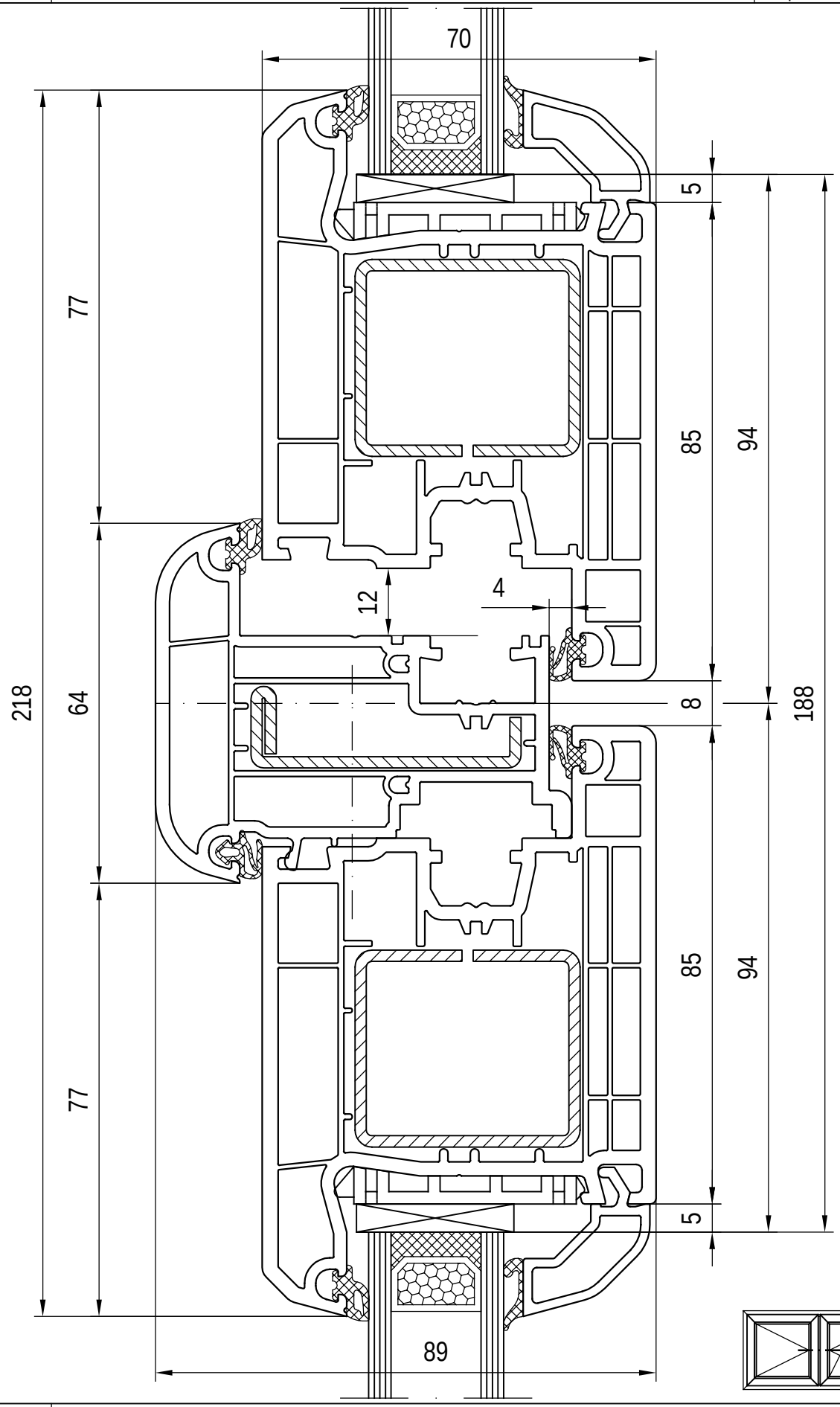

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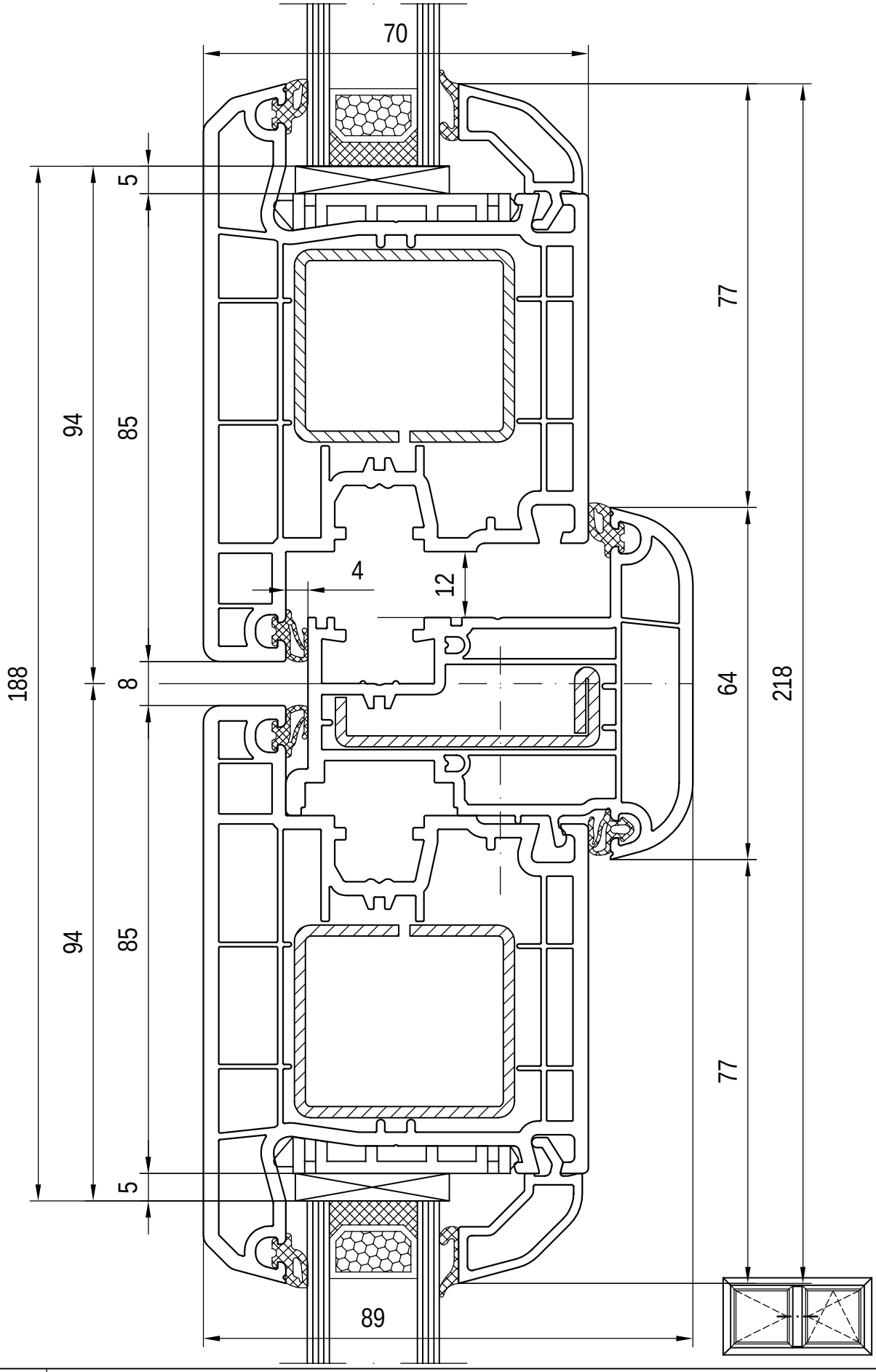

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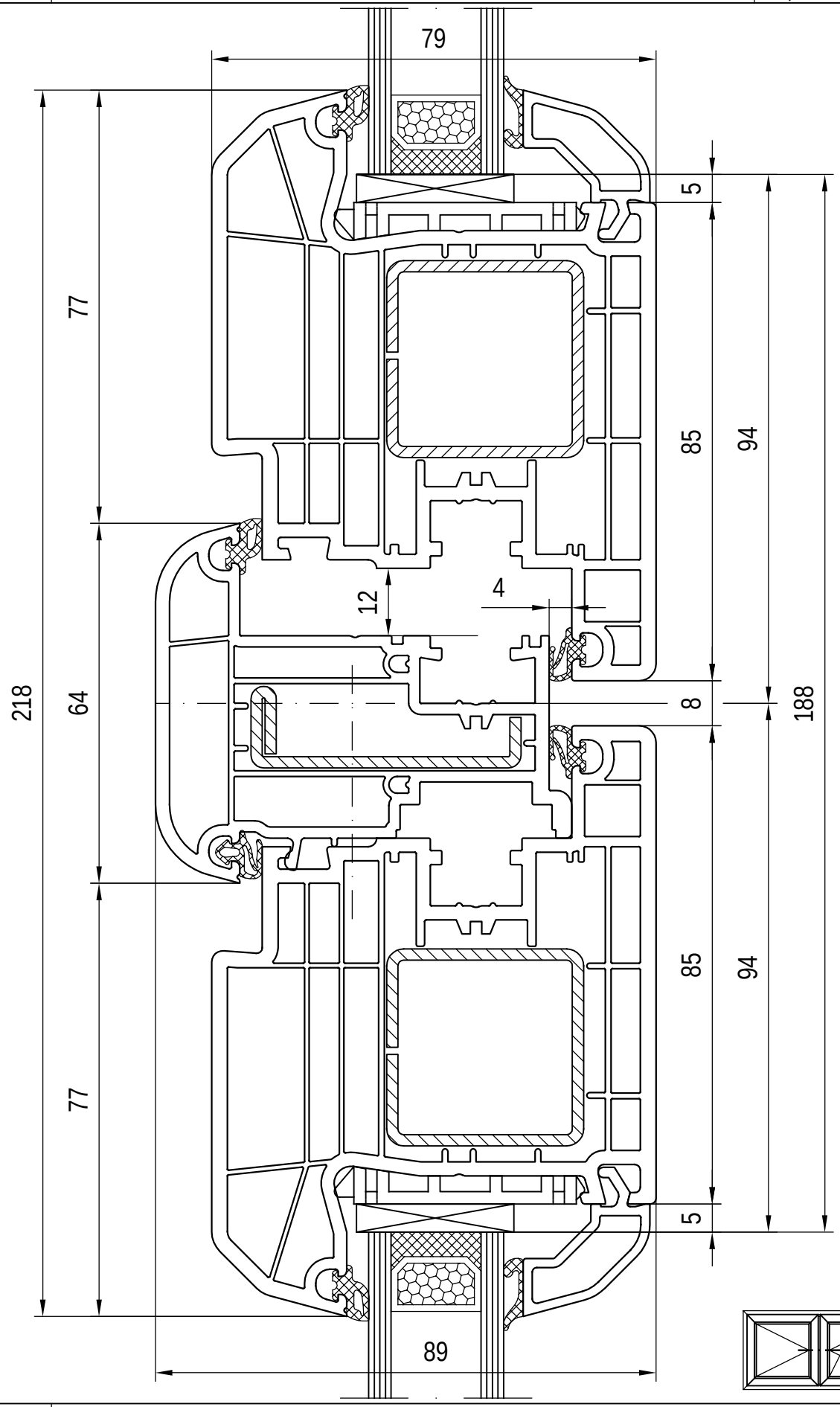

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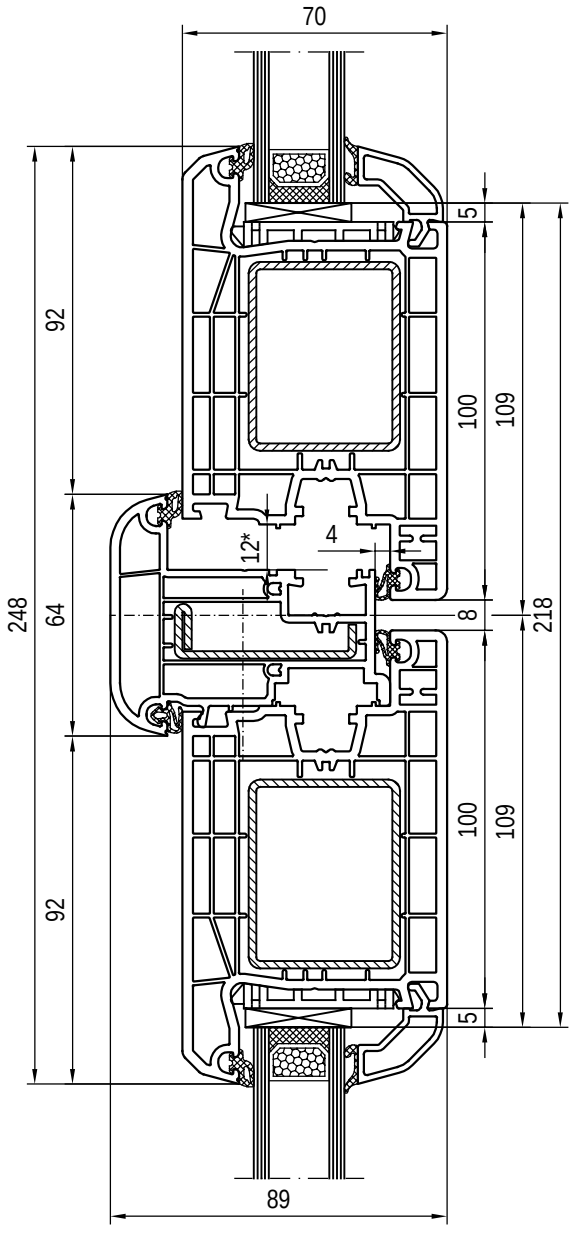

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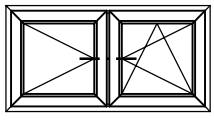

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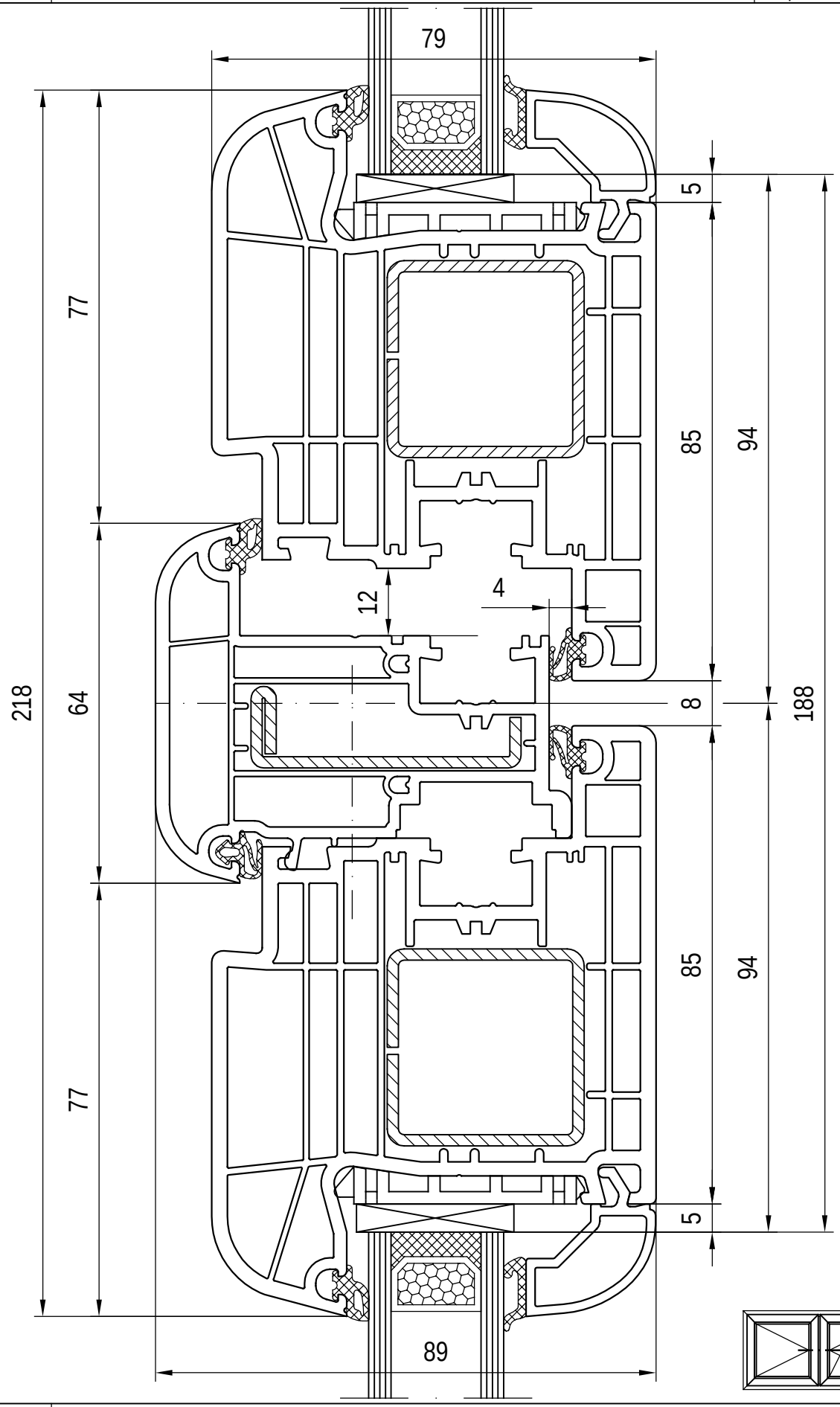

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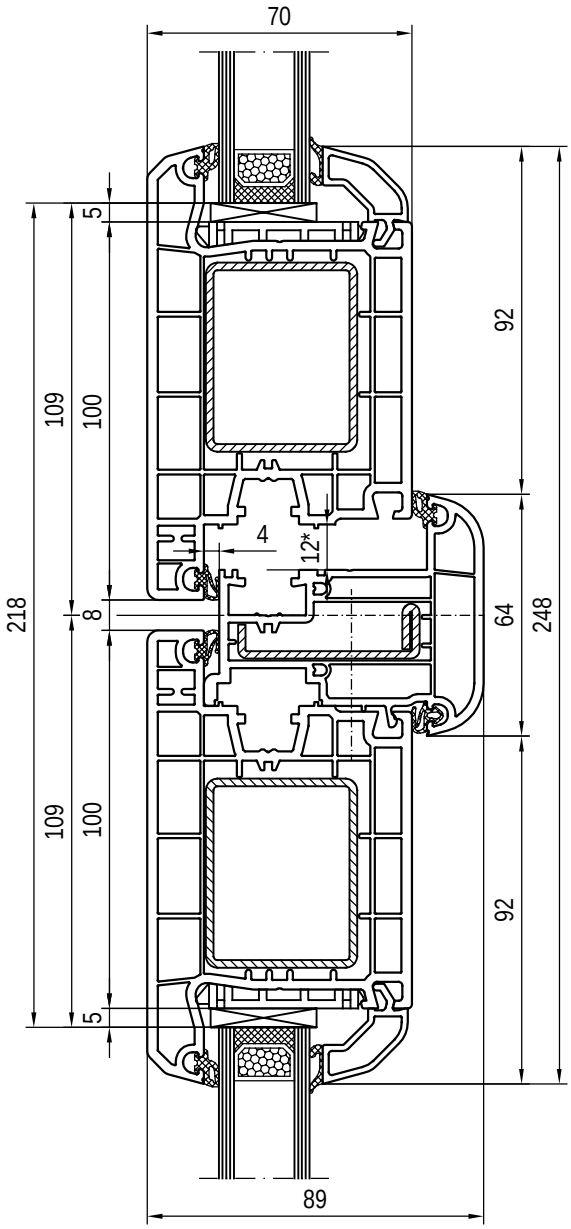

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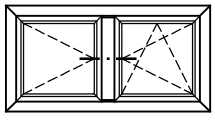




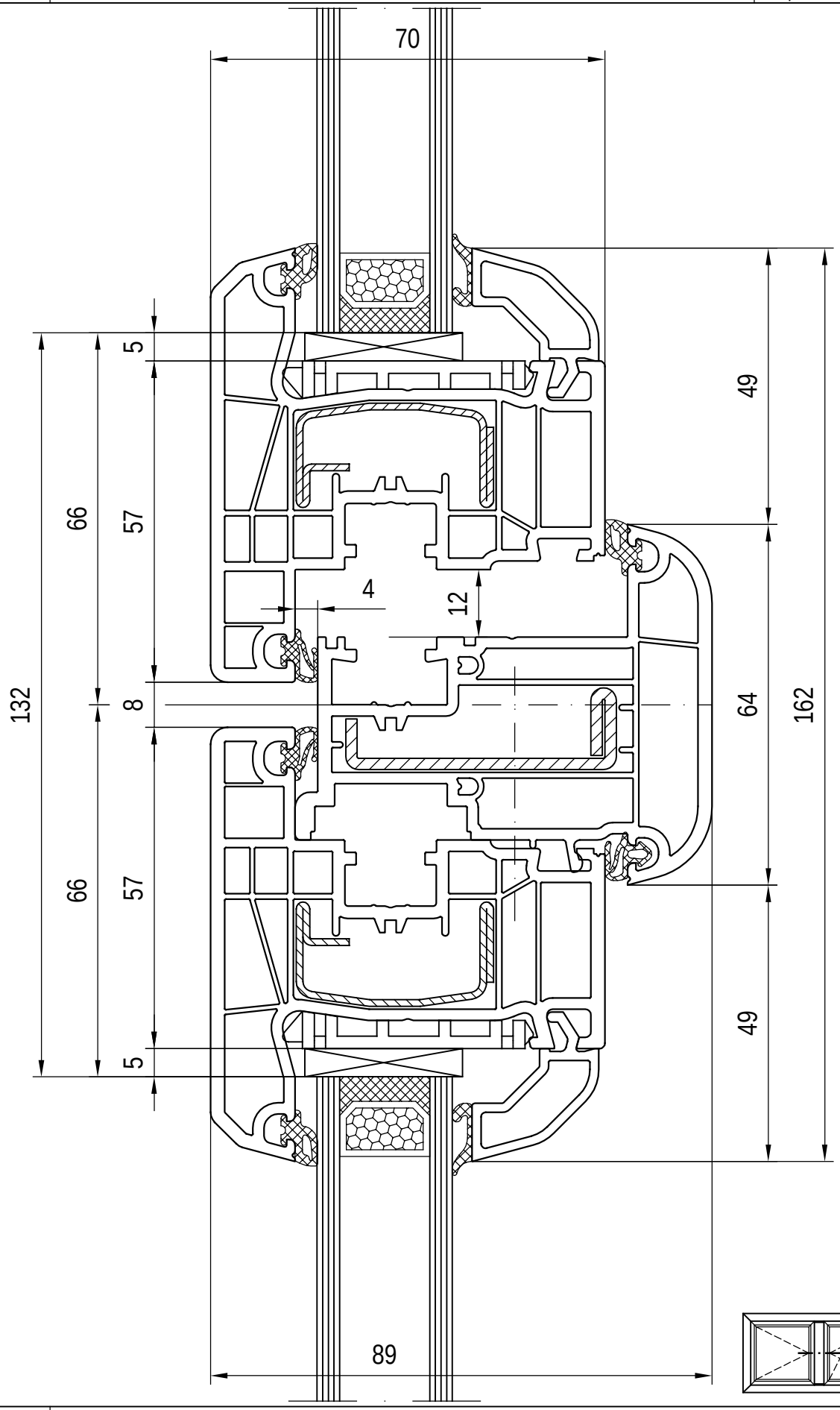
* Falzluft bei Haustüren links und rechts = 13mm

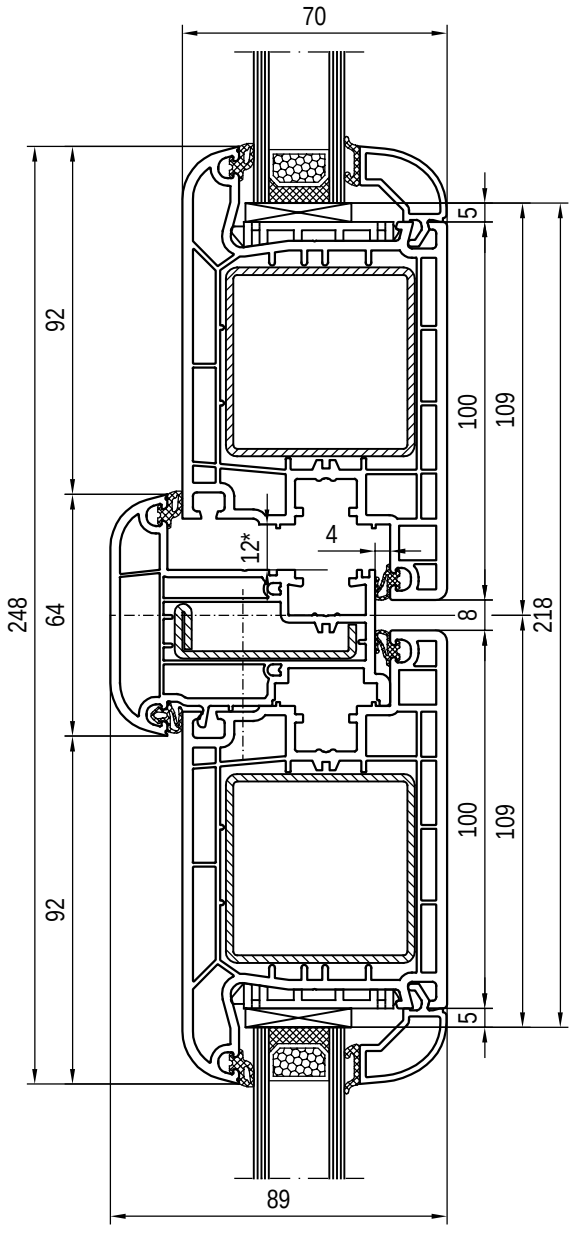

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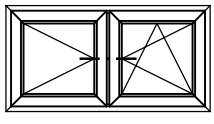




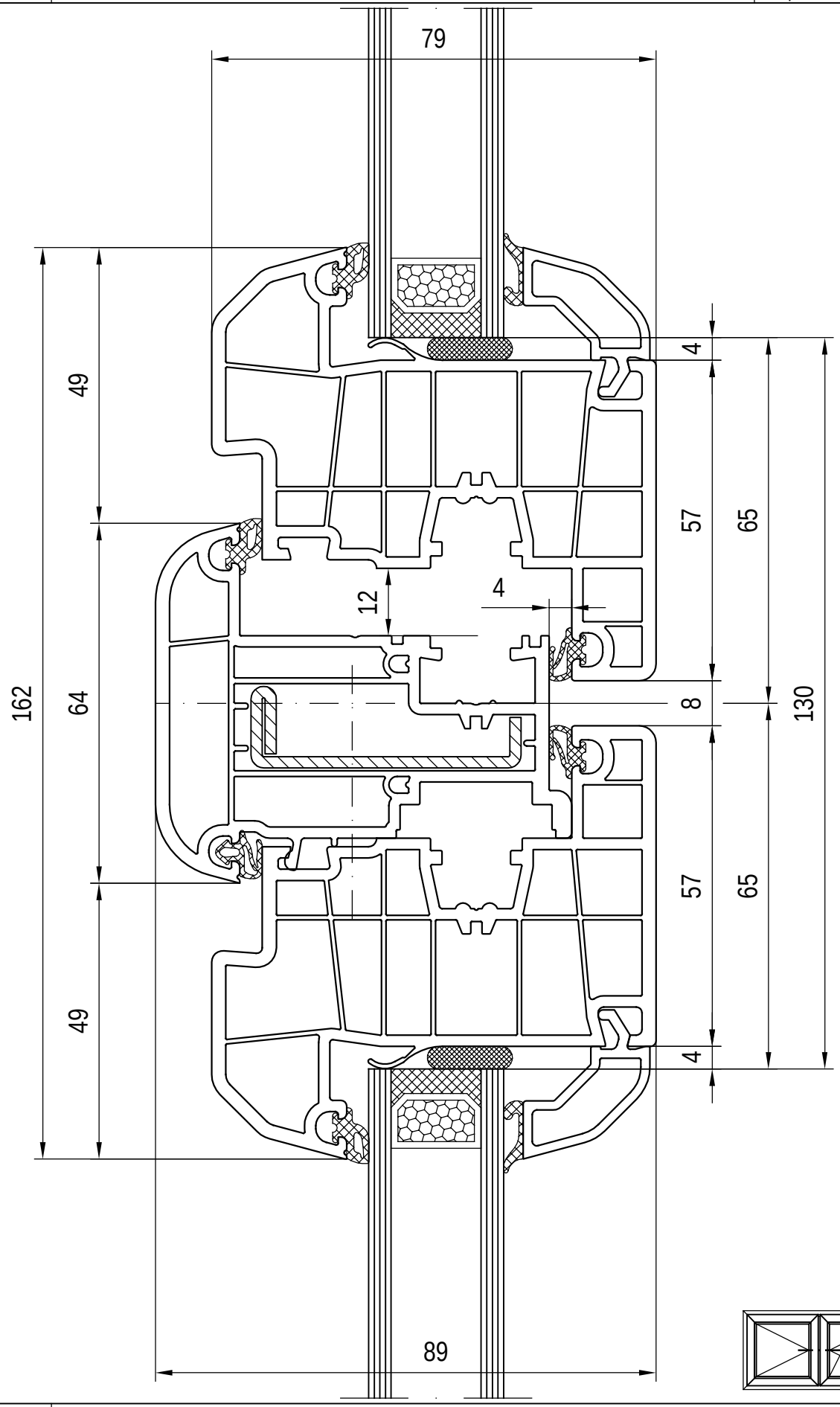
* Falzluft bei Haustüren links und rechts = 13mm

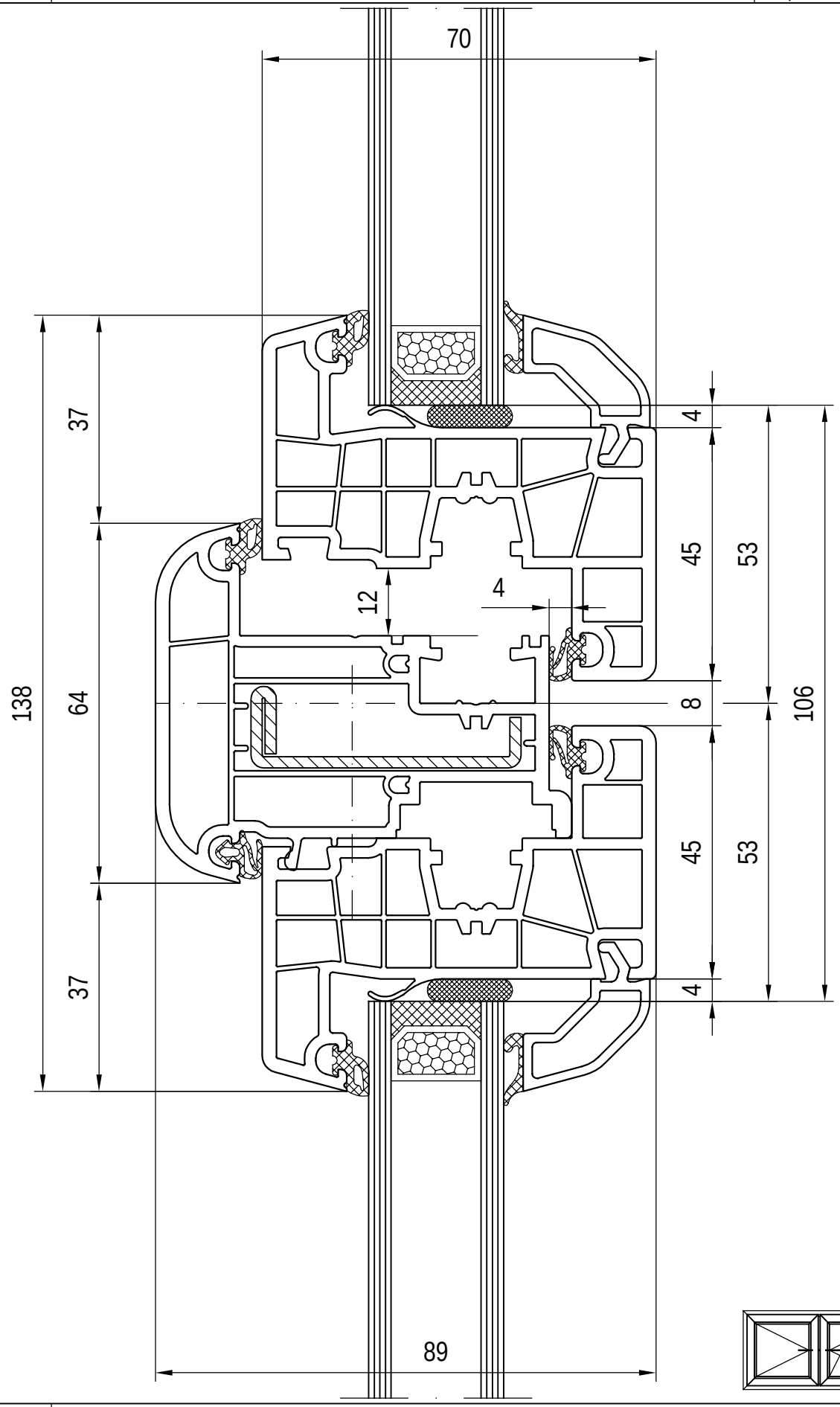

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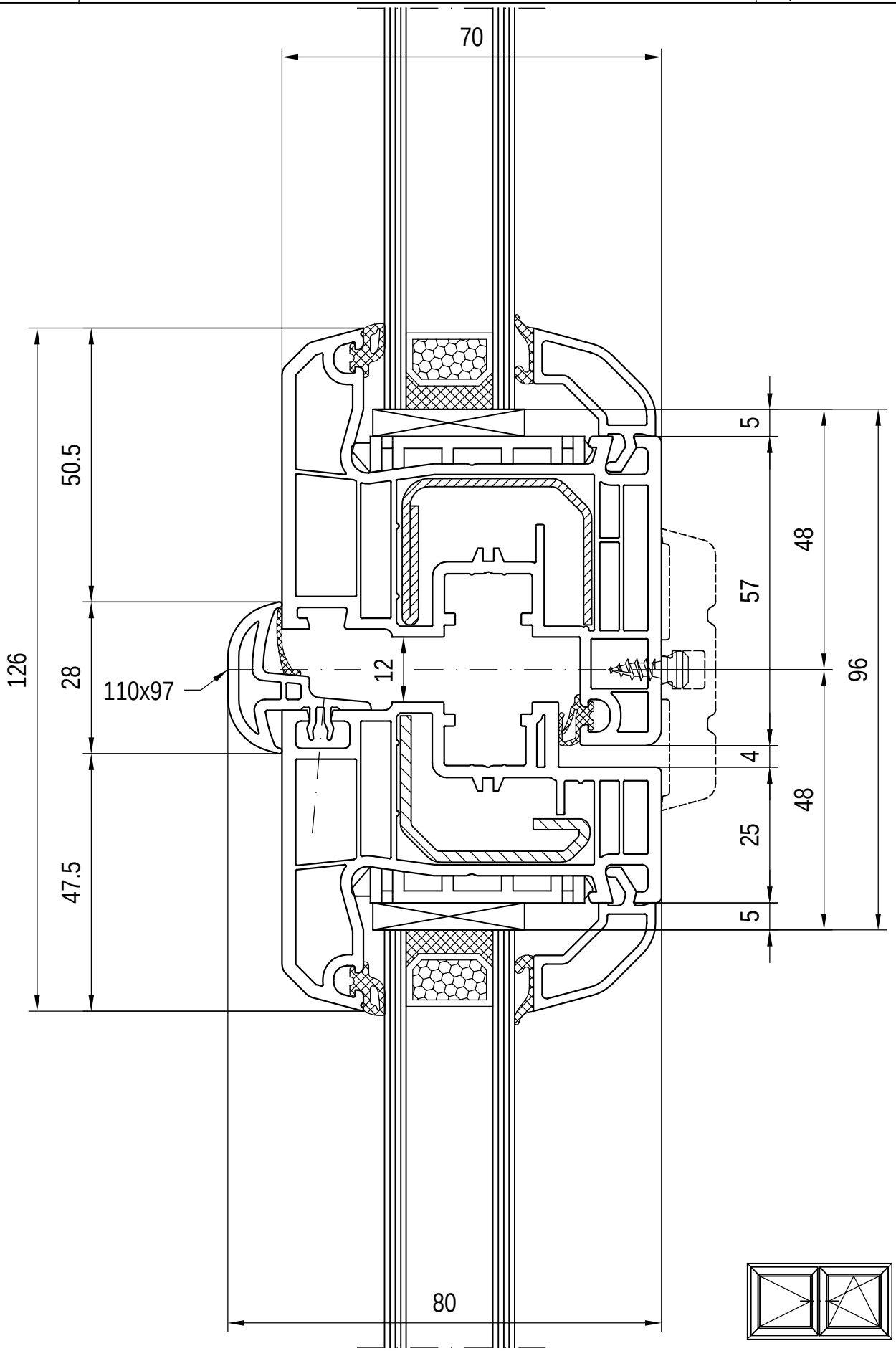




* Falzluft bei Haustüren links und rechts = 13mm

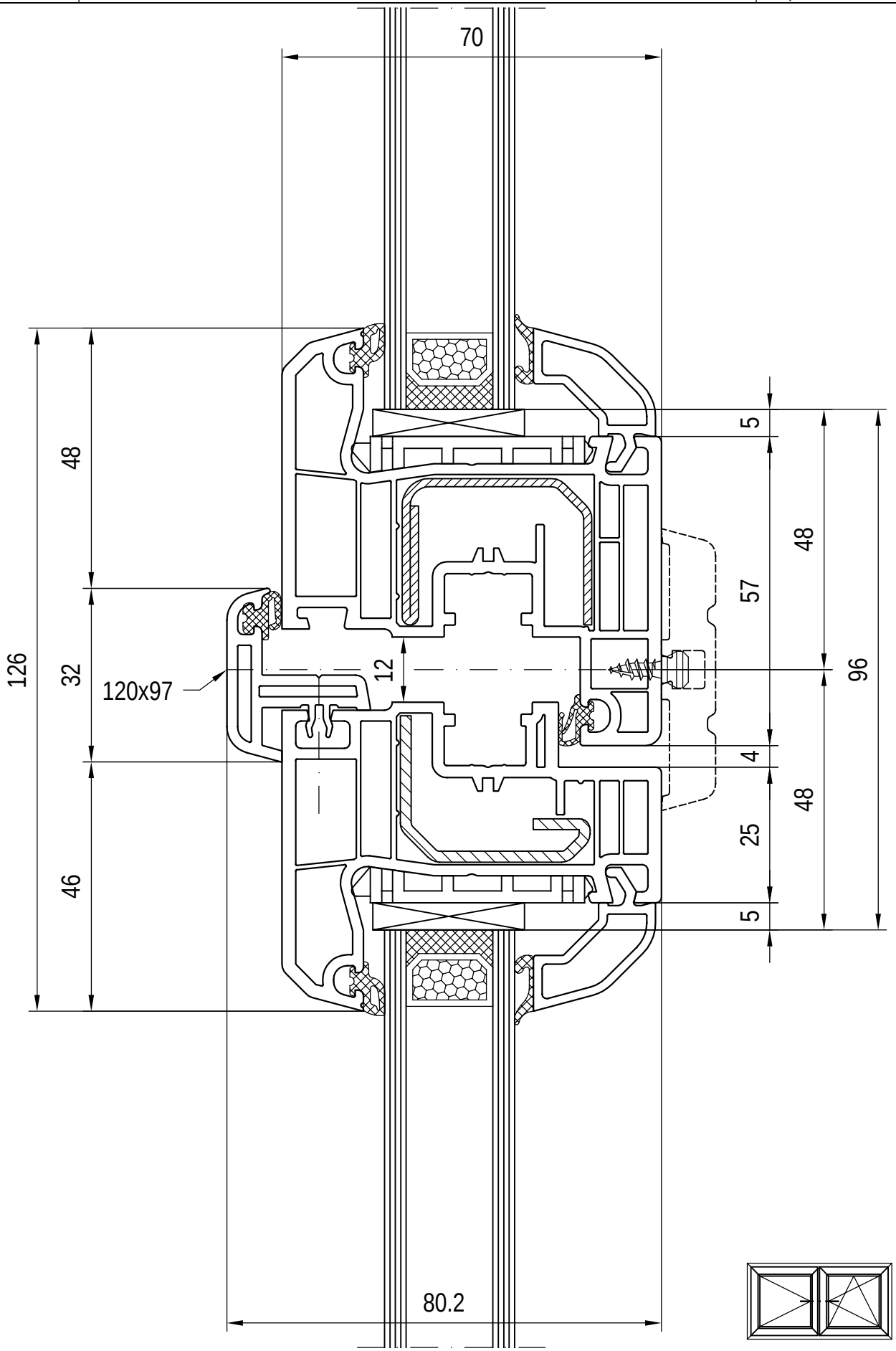

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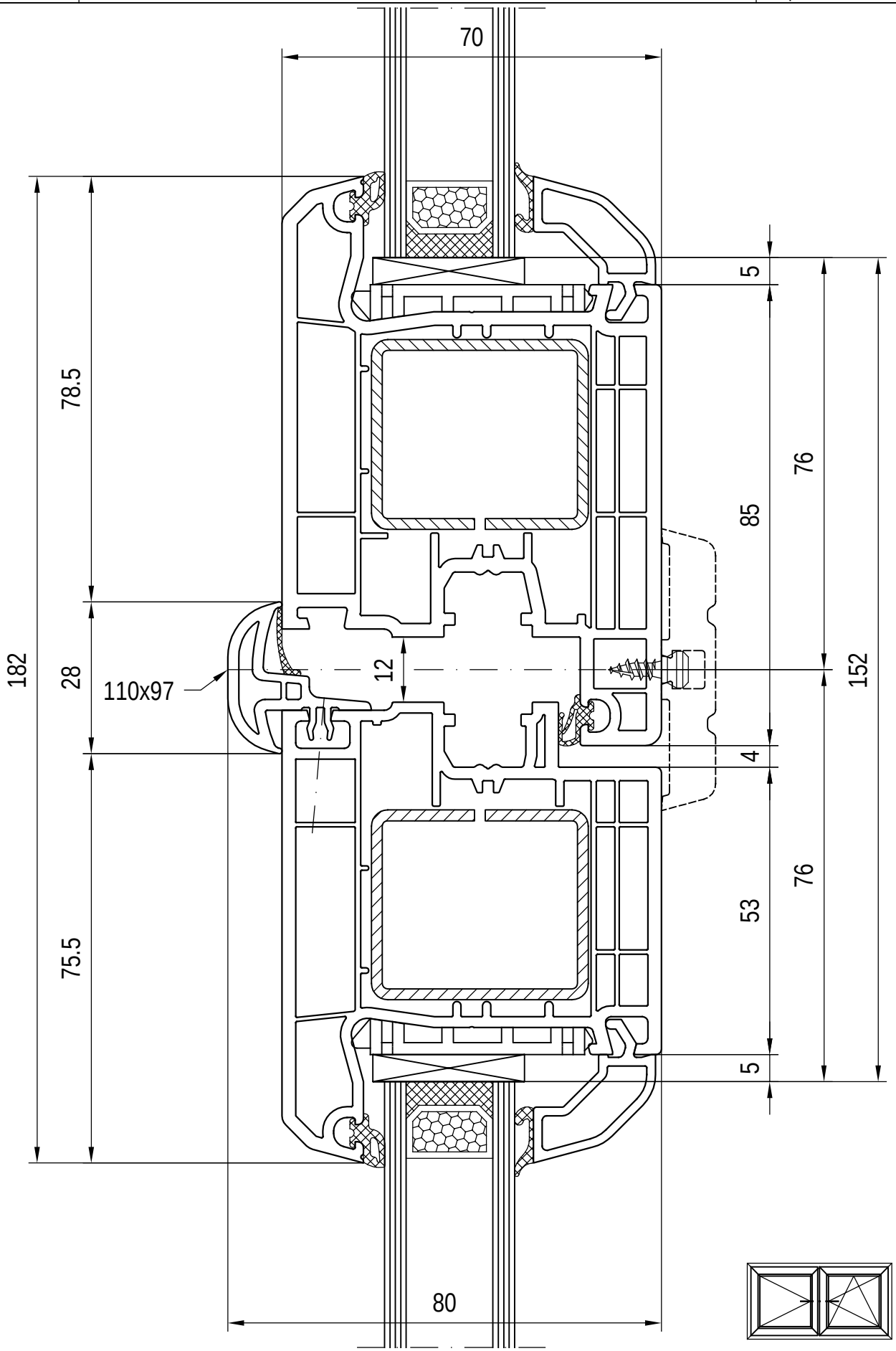
Kombinationen: Stulpflügel - Flügel
Glasleiste 120846/120876

110x97 + Stulpflügel 140x76
Flügel 140x20



Kombinationen: Stulpflügel - Flügel
Glasleiste 120846/120876

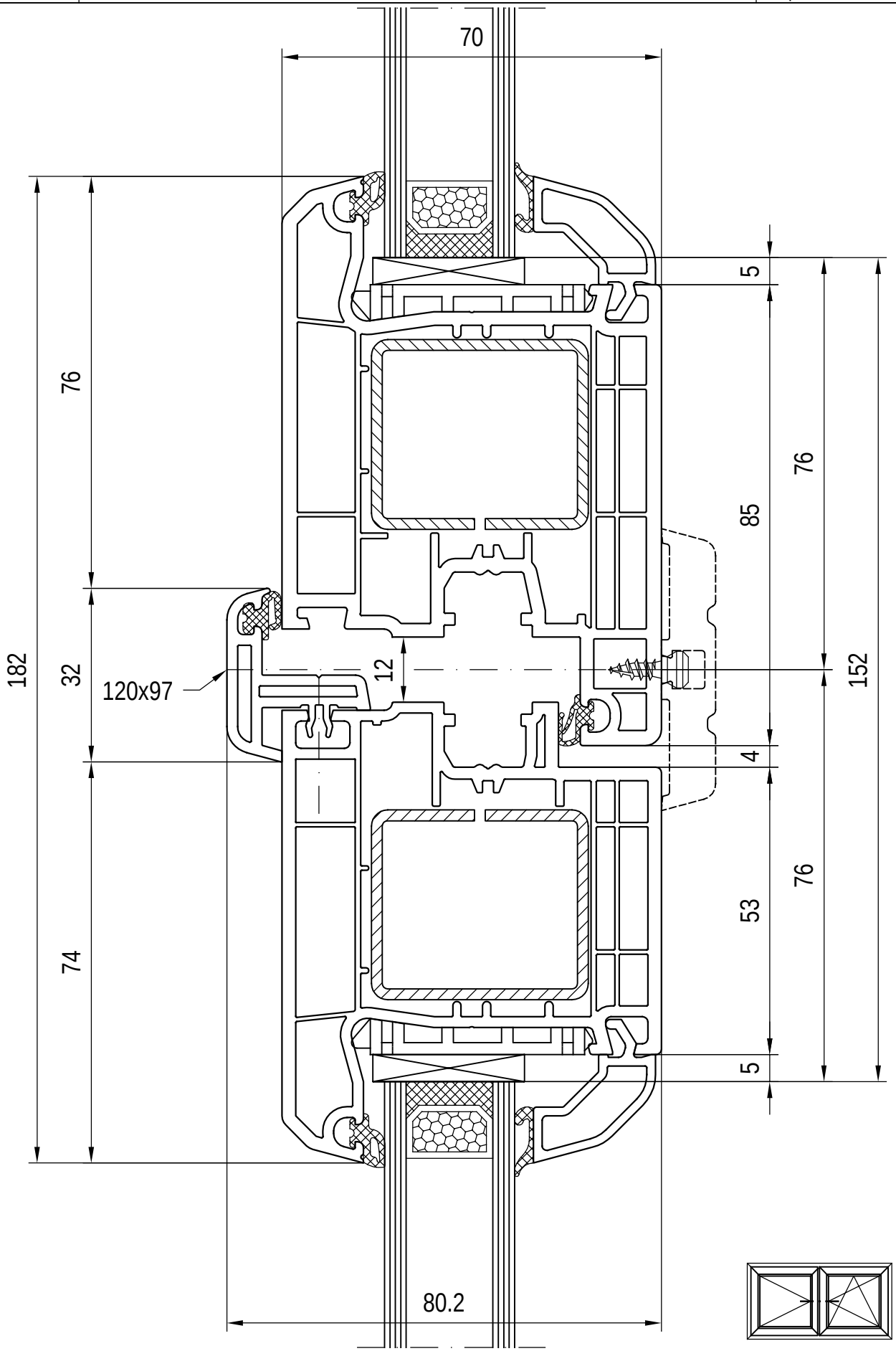
120x97 + Stulpflügel 140x76
Flügel 140x20



Kombinationen: Stulpflügel - Flügel

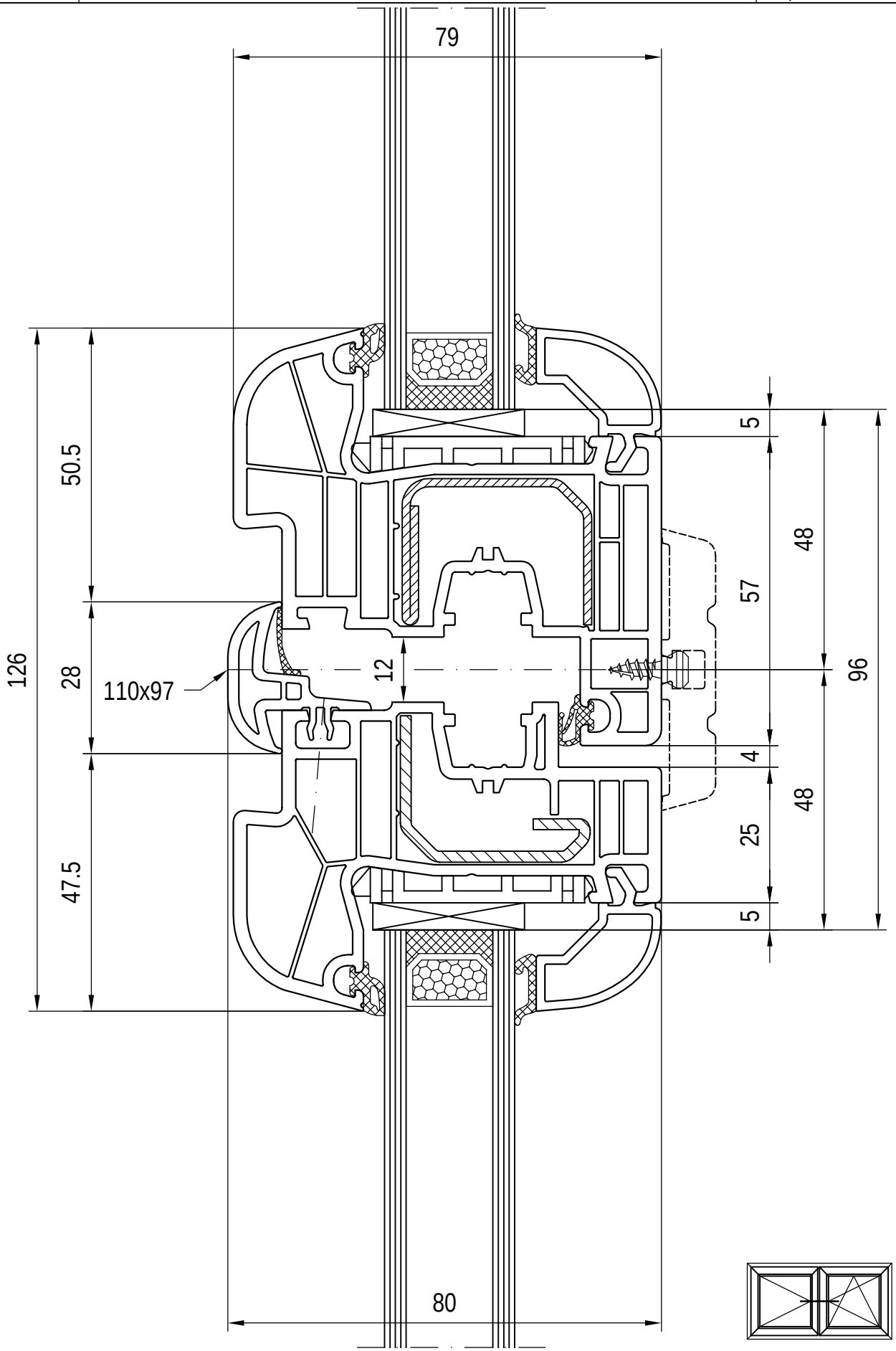
Glasleiste 120846/120876

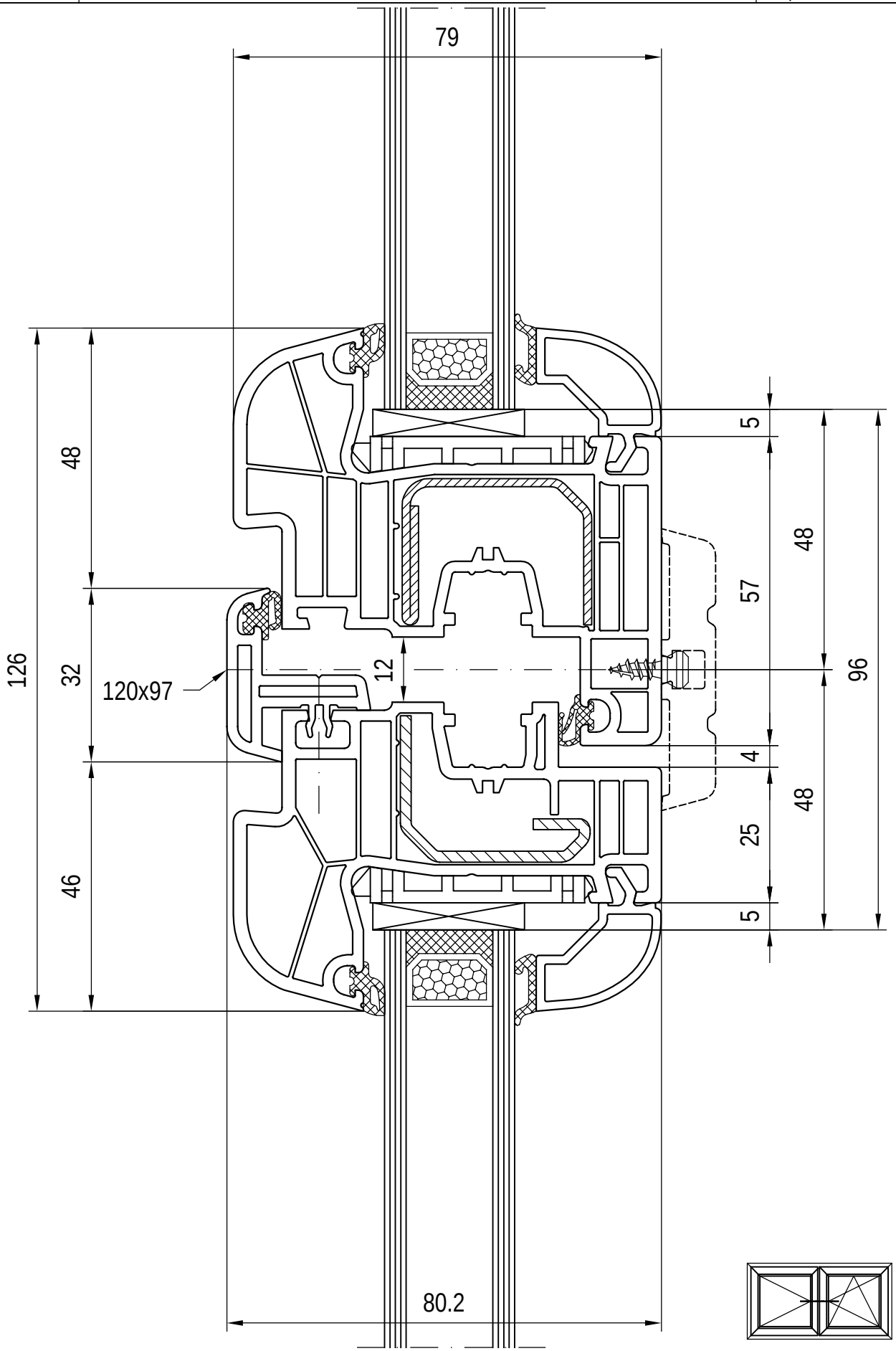
110x97 + Stulpflügel 140x77
Flügel 140x30



Kombinationen: Stulpflügel - Flügel
Glasleiste 120846/120876

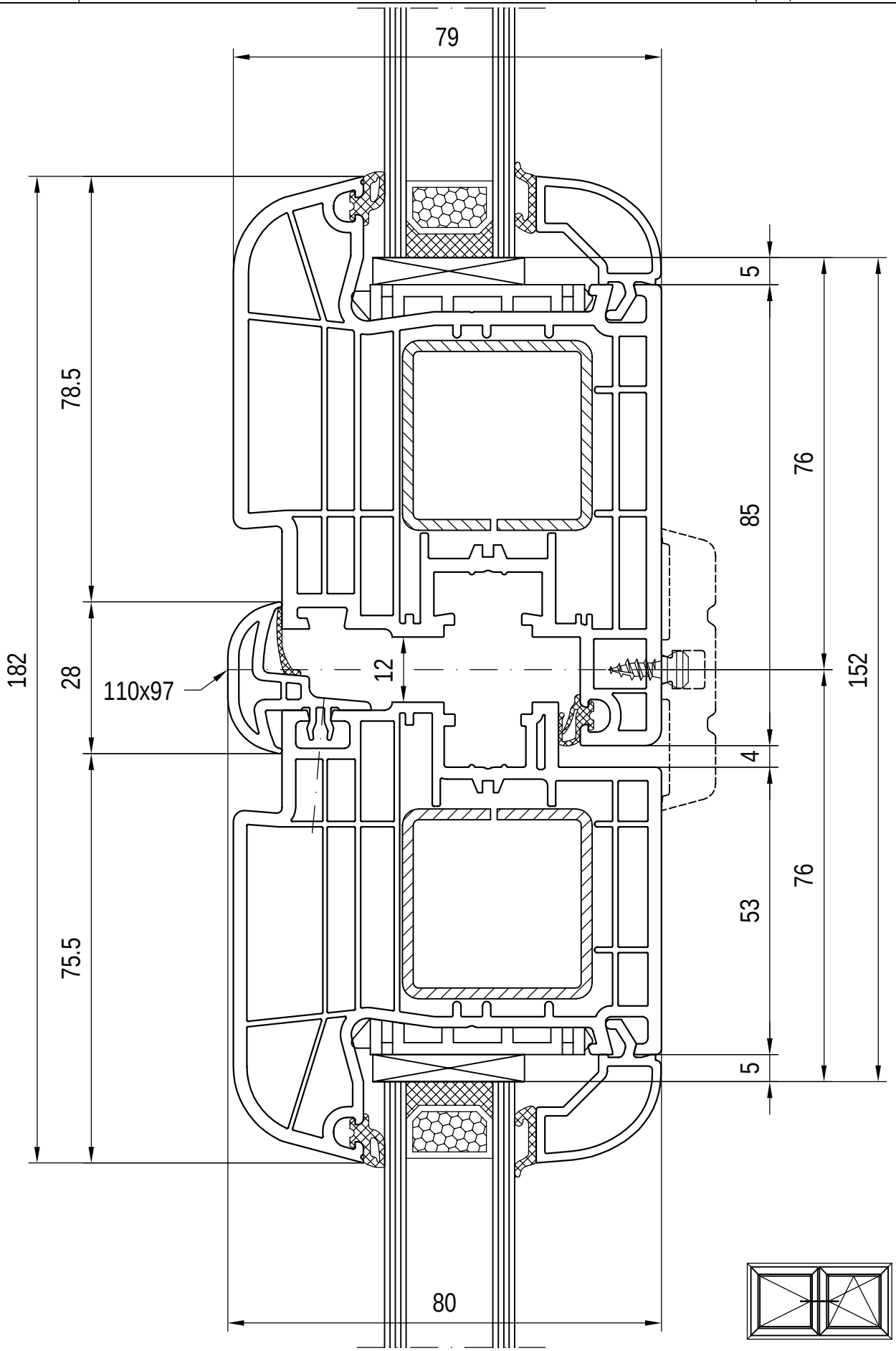
120x97 + Stulpflügel 140x77
Flügel 140x30


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50.5
126
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110x97
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5
80



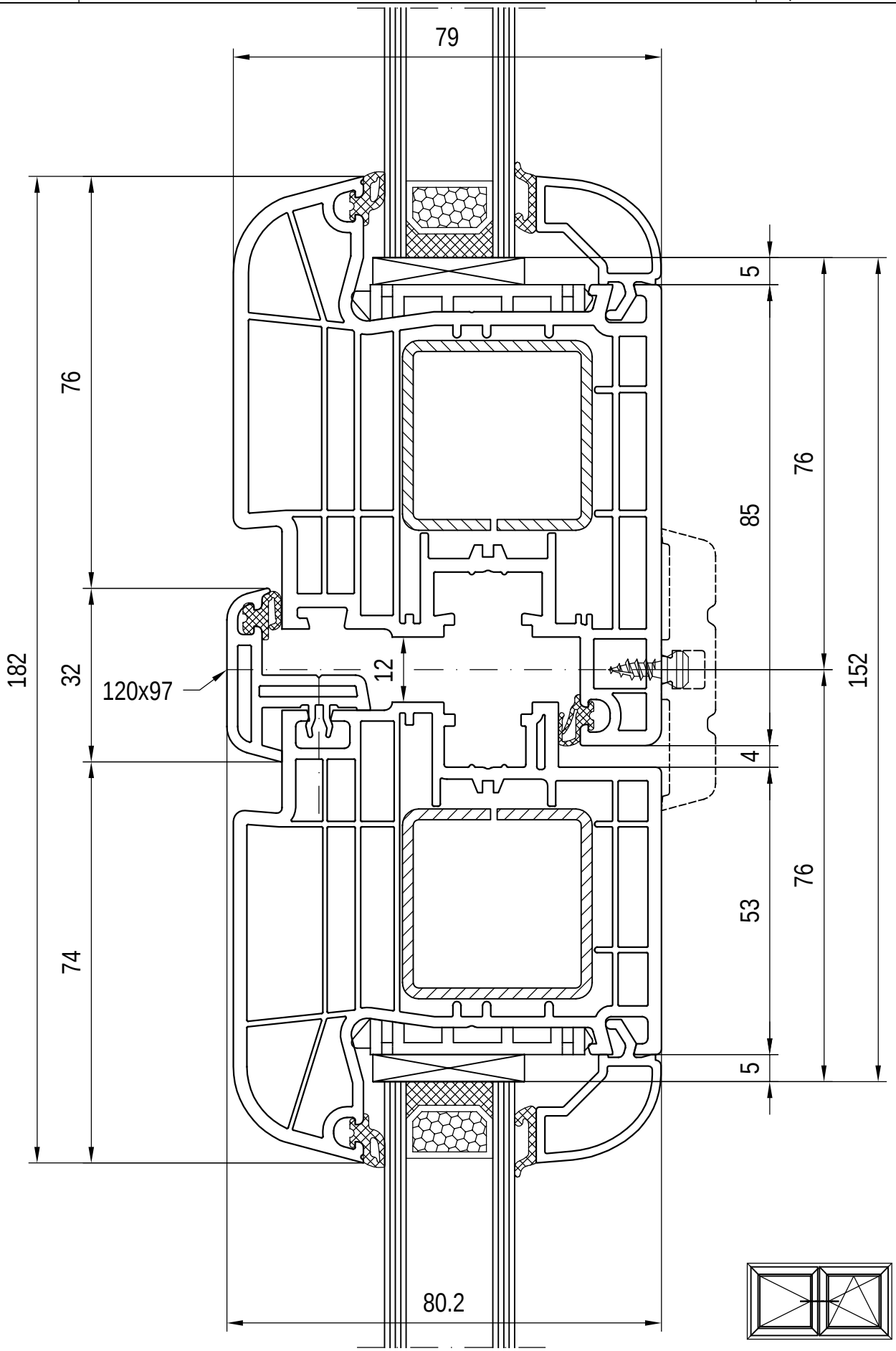
Kombinationen: Stulpflügel - Flügel
Glasleiste 120850/120880

120x97 + Stulpflügel 140x82
Flügel 140x22



Kombinationen: Stulpflügel - Flügel
Glasleiste 120850/120880

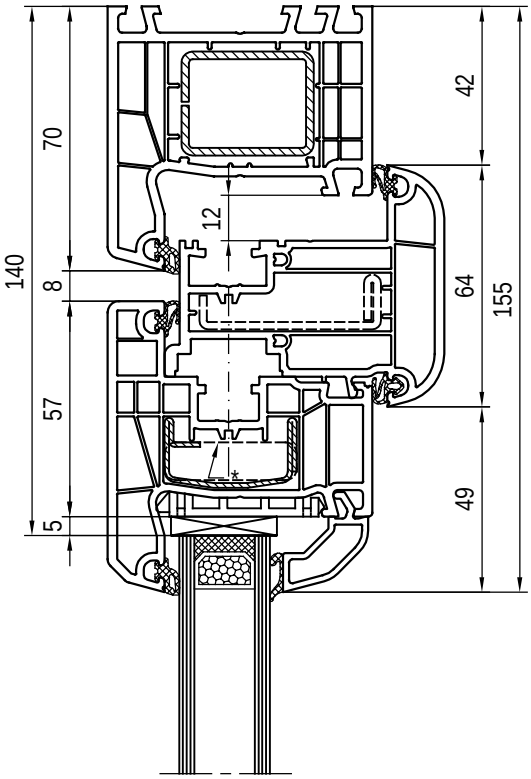
110x97 + Stulpflügel 140x84
Flügel 140x34

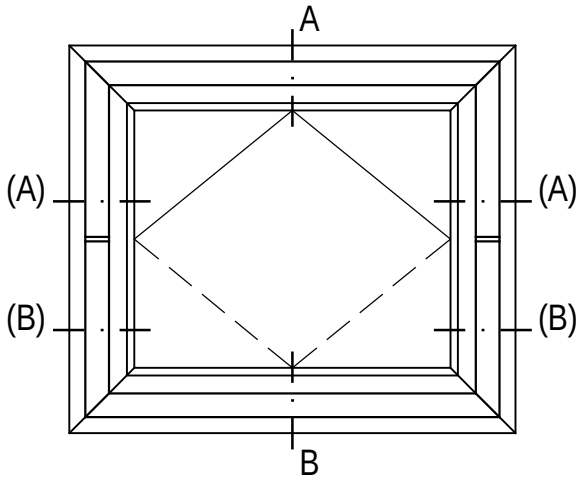


Kombinationen: Stulpflügel - Flügel
Glasleiste 120850/120880

120x97 + Stulpflügel 140x84
Flügel 140x34

Schnitt A





HINWEIS: Sämtliche Rahmen von IDEAL 4000 können sinngemäß eingesetzt werden!
Beispiel anhand:

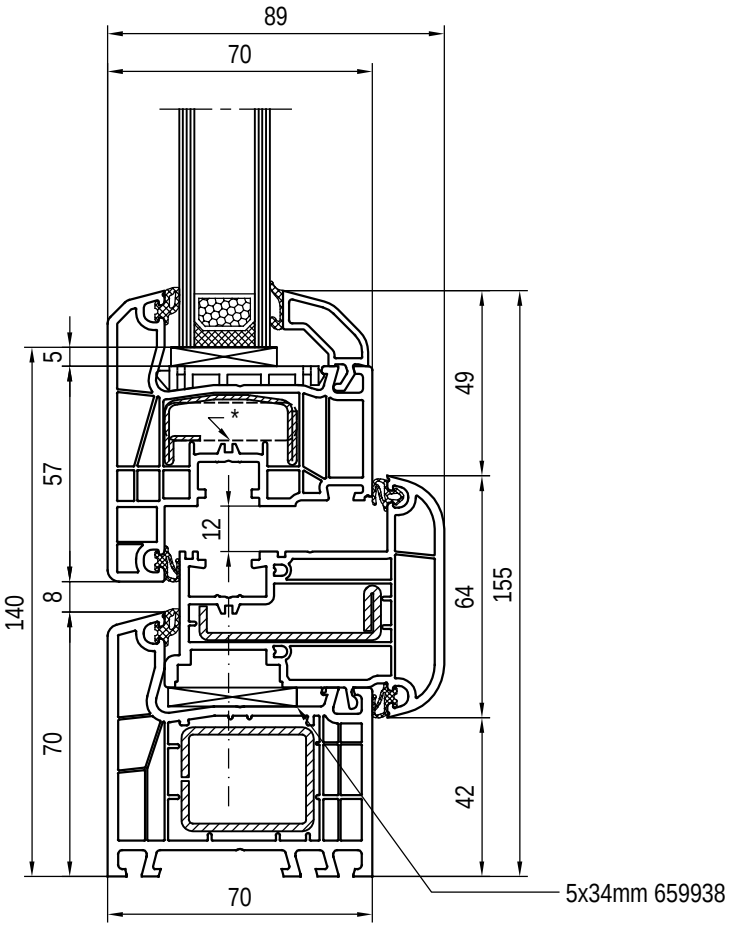
Rahmen 140x02

Stulp 140x69

Flügel 140x37

Glasleiste 120846
120876

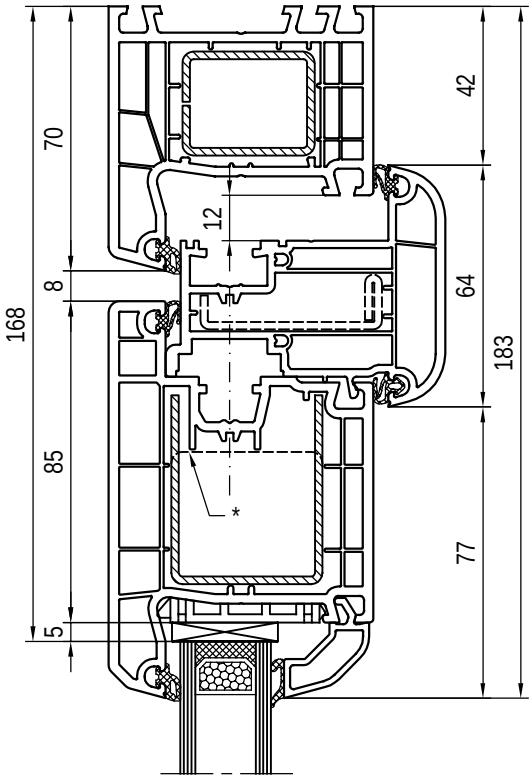
Schnitt B

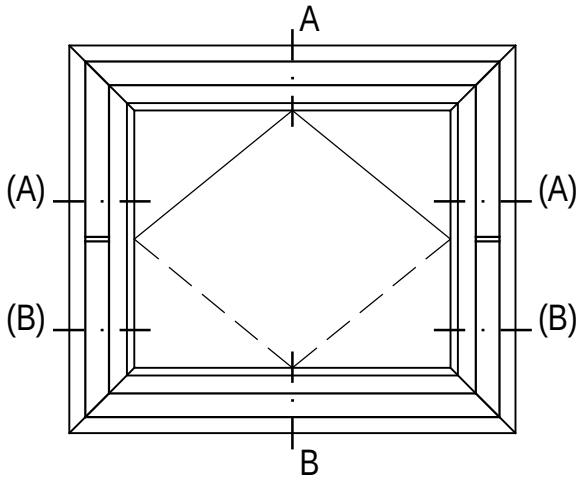


*seitlich ->Schnitt (A) und (B):
Vierkantstahl ca. 35x10mm

Die Machbarkeit eines Schwing-fensters ist beschlagsabhängig!

Schnitt A





HINWEIS: Sämtliche Rahmen von IDEAL 4000 können sinngemäß eingesetzt werden!
Beispiel anhand:

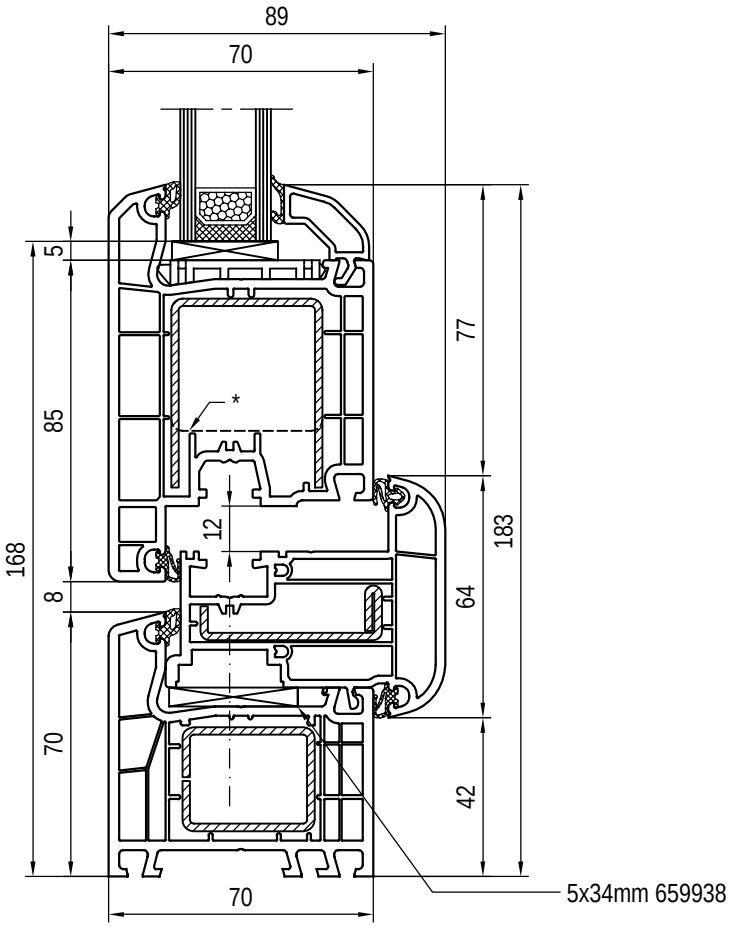
Rahmen 140x02

Stulp 140x69

Flügel 140x31

Glasleiste 120846
120876

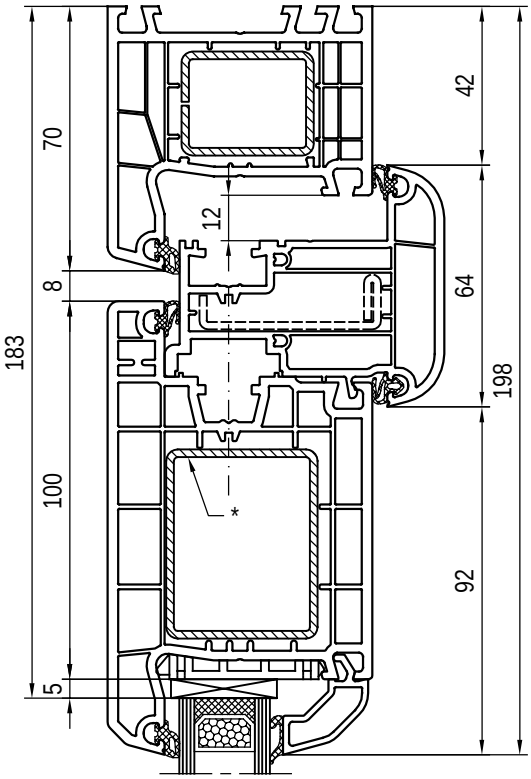
Schnitt B

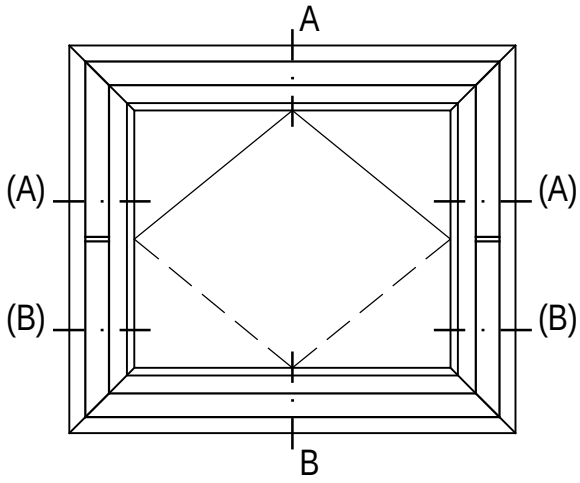


*seitlich ->Schnitt (A) und (B):
Vierkantstahl z.B.: 229115

Die Machbarkeit eines Schwing-fensters ist beschlagsabhängig!

Schnitt A





HINWEIS: Sämtliche Rahmen von IDEAL 4000 können sinngemäß eingesetzt werden!
Beispiel anhand:

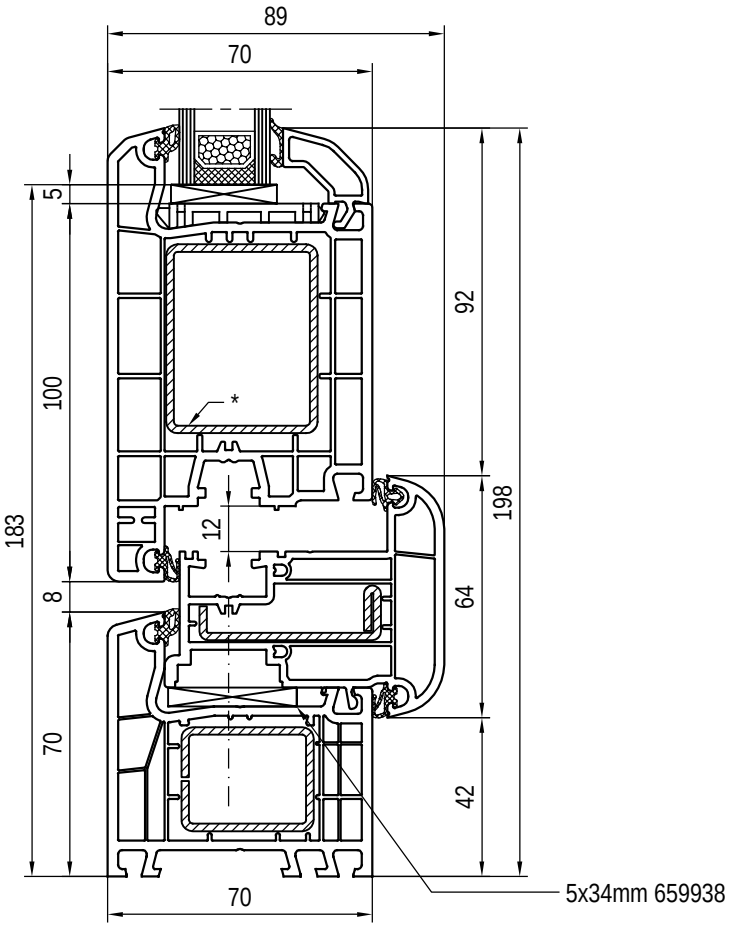
Rahmen 140x02

Stulp 140x69

Flügel 140x35

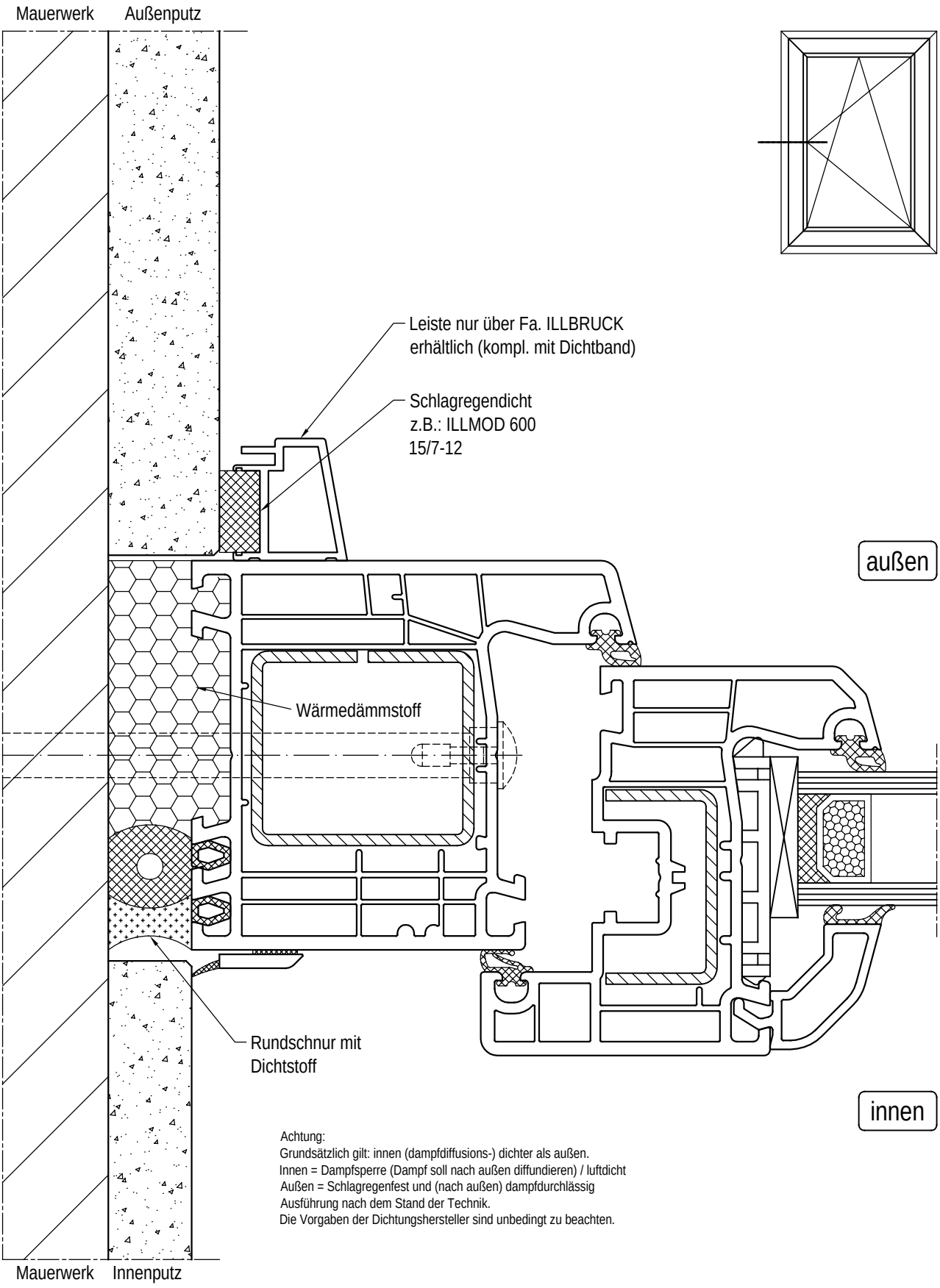
Glasleiste 120846
120876

Schnitt B



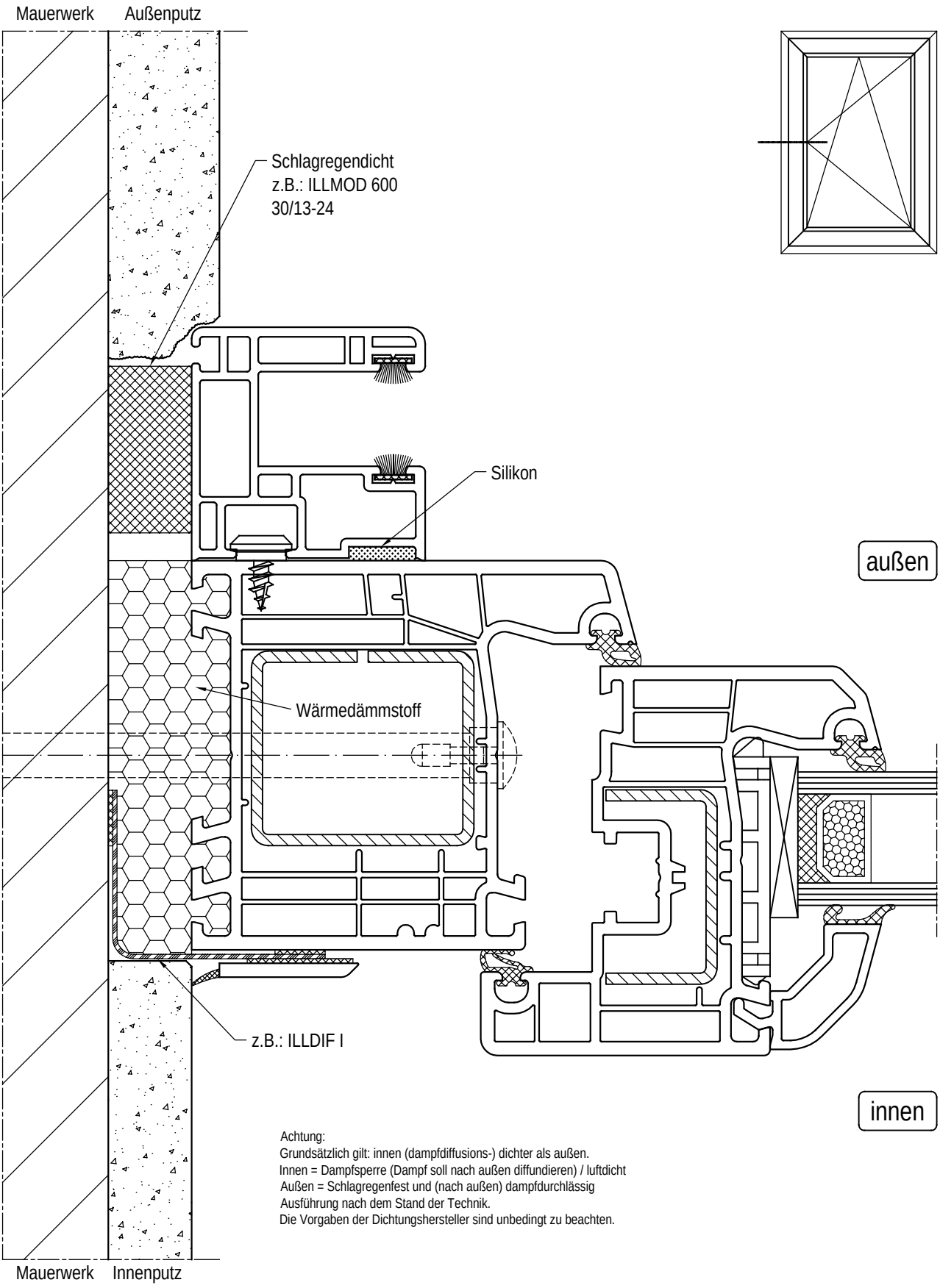
*oben, unten ->Schnitt A und B:
Vierkantstahl ausfräsen
oder U-Stahl ca. 40x54mm

Die Machbarkeit eines Schwing-fensters ist beschlagsabhängig!



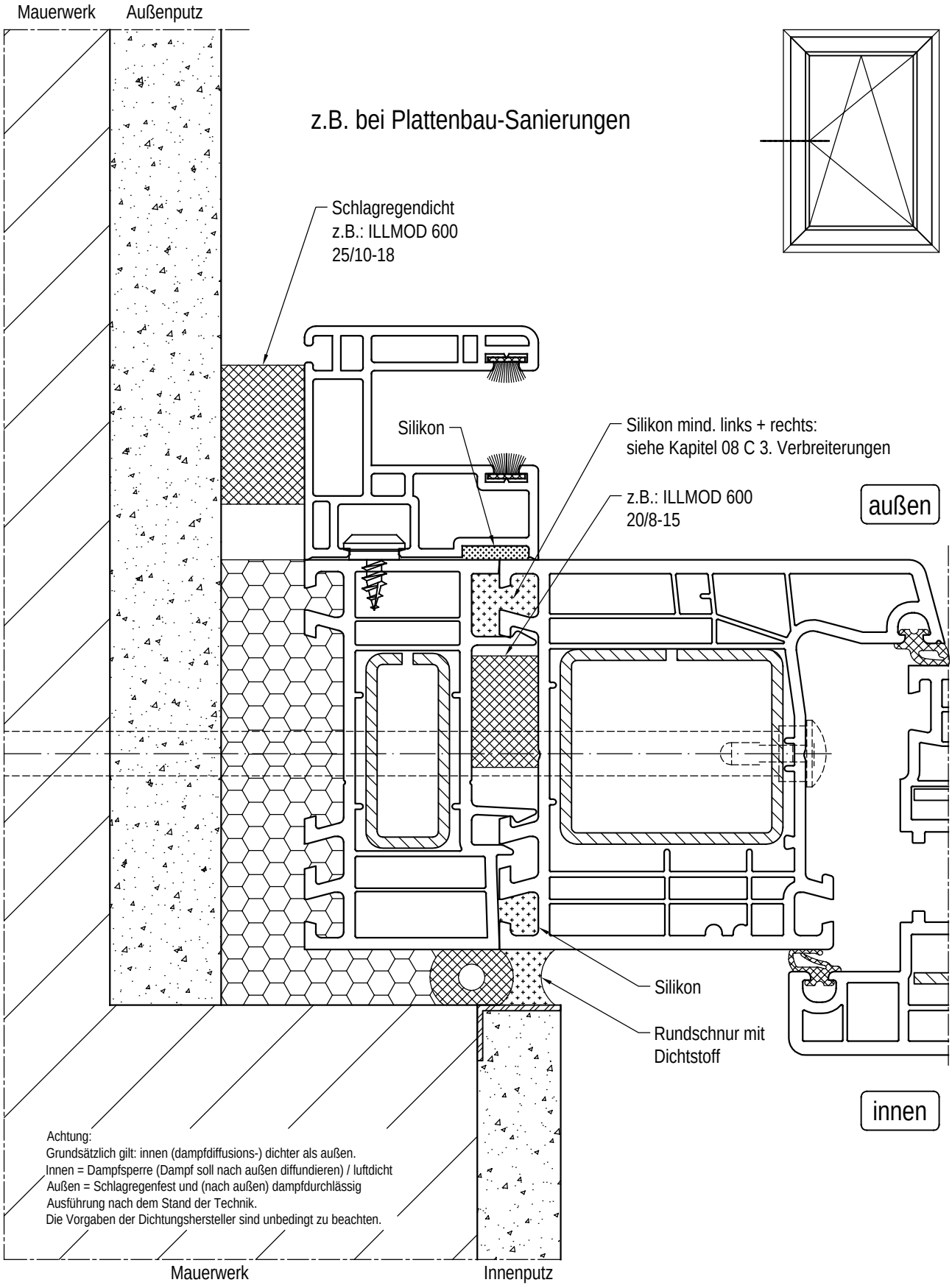
Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.

Baukörperanschluss-Beispiele ohne Anschlag

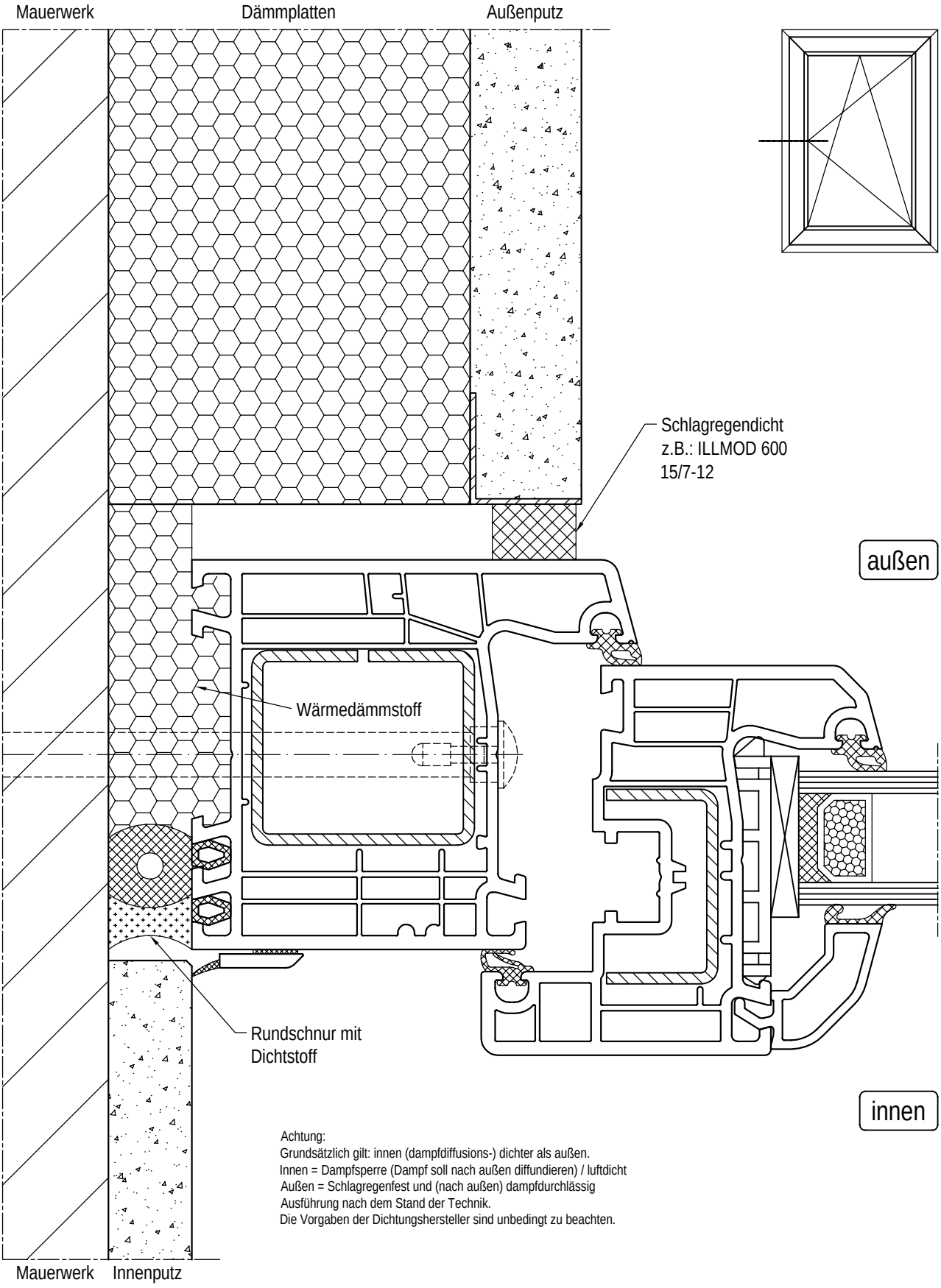


Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.

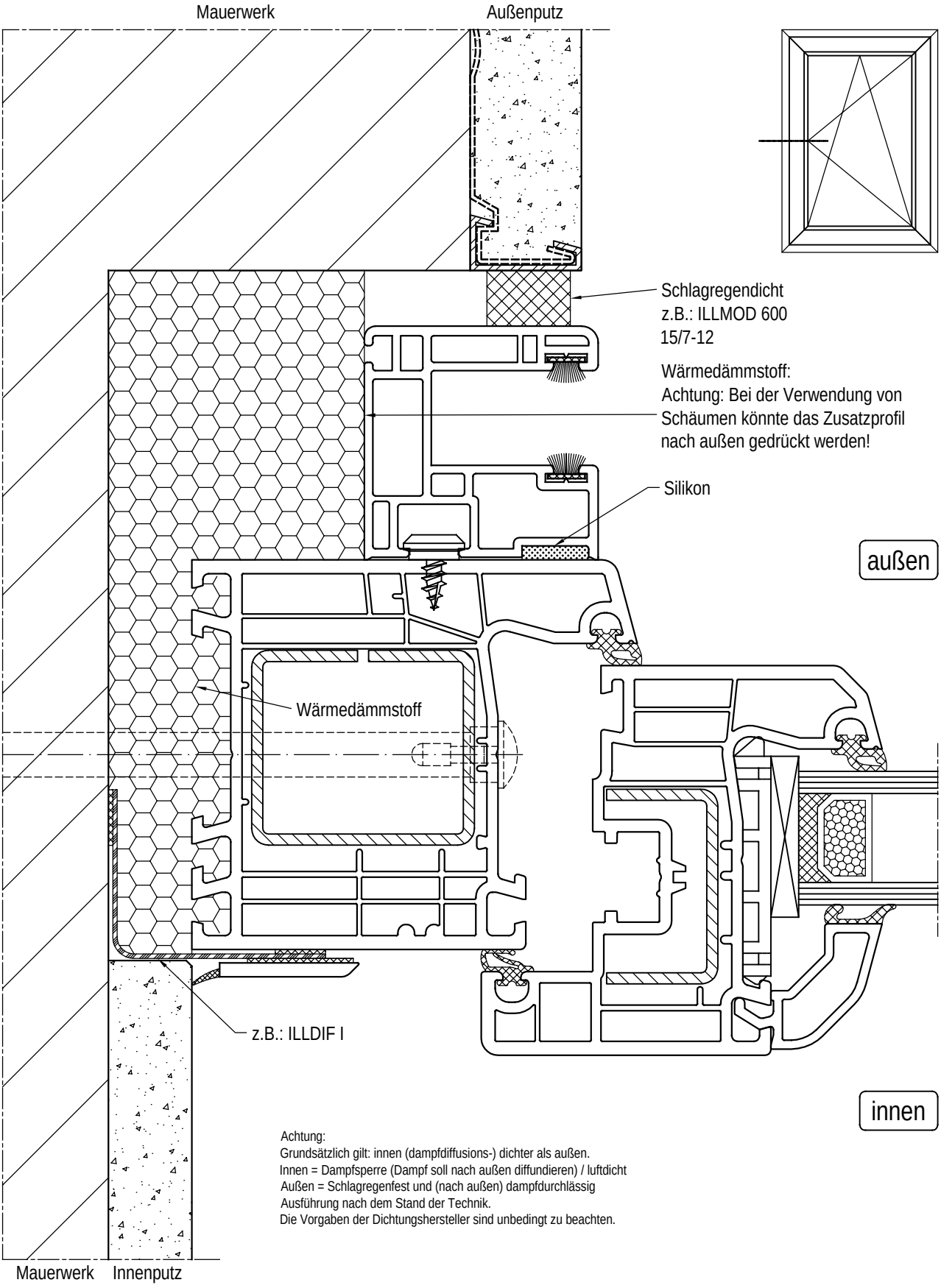
Baukörperanschluss-Beispiele ohne Anschlag



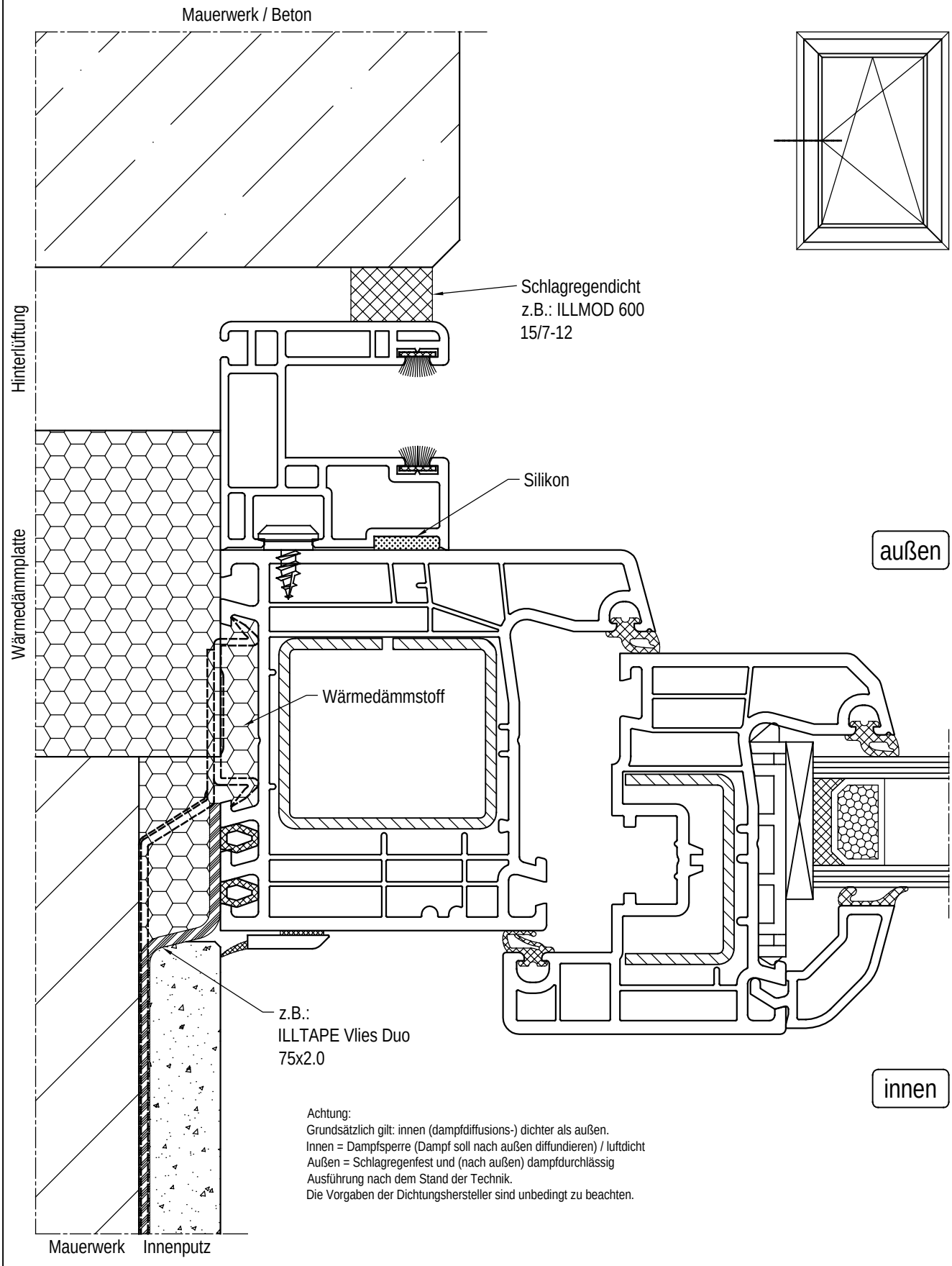
Baukörperanschluss-Beispiele
Anschlag von außen



Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.



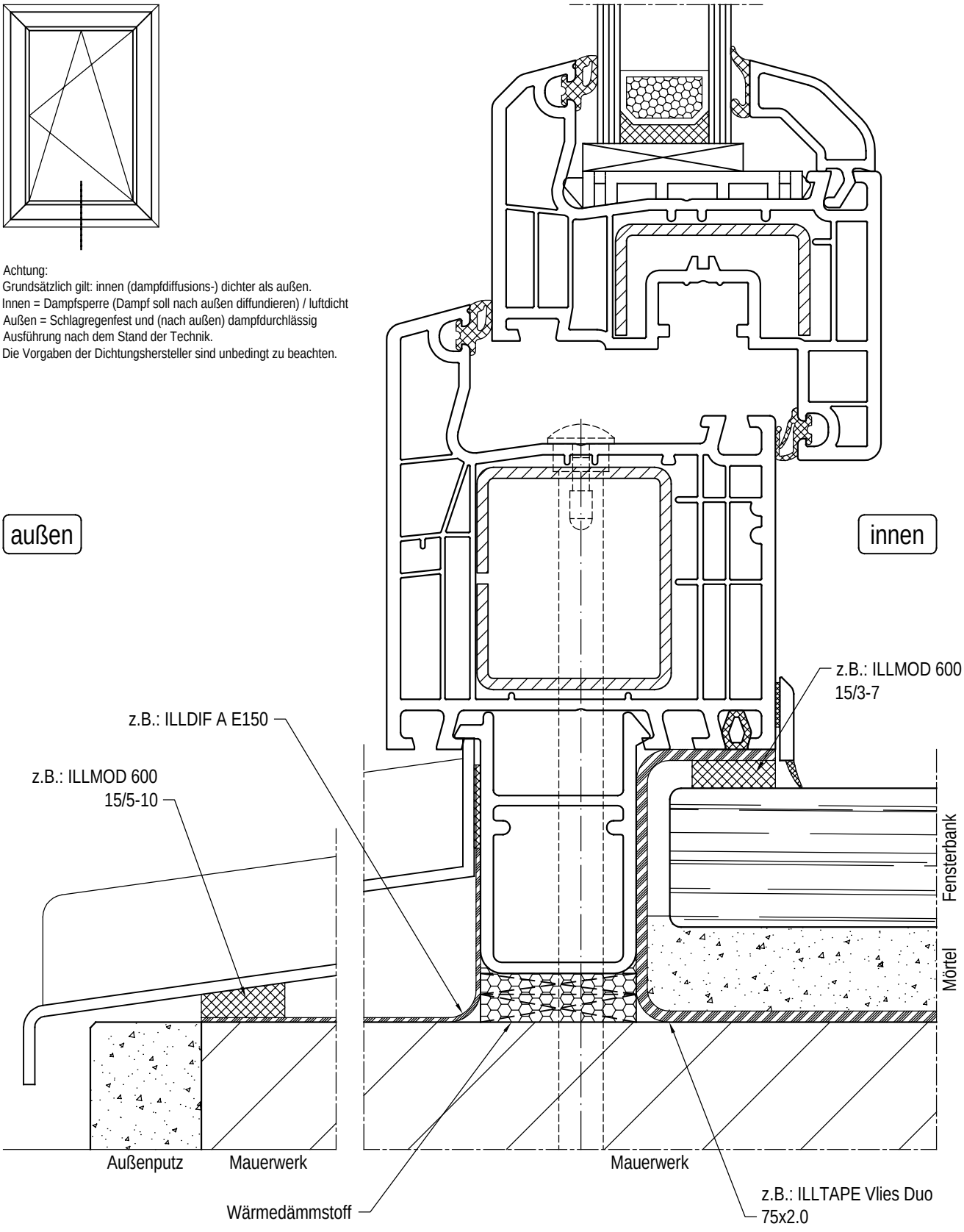
Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.



Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.

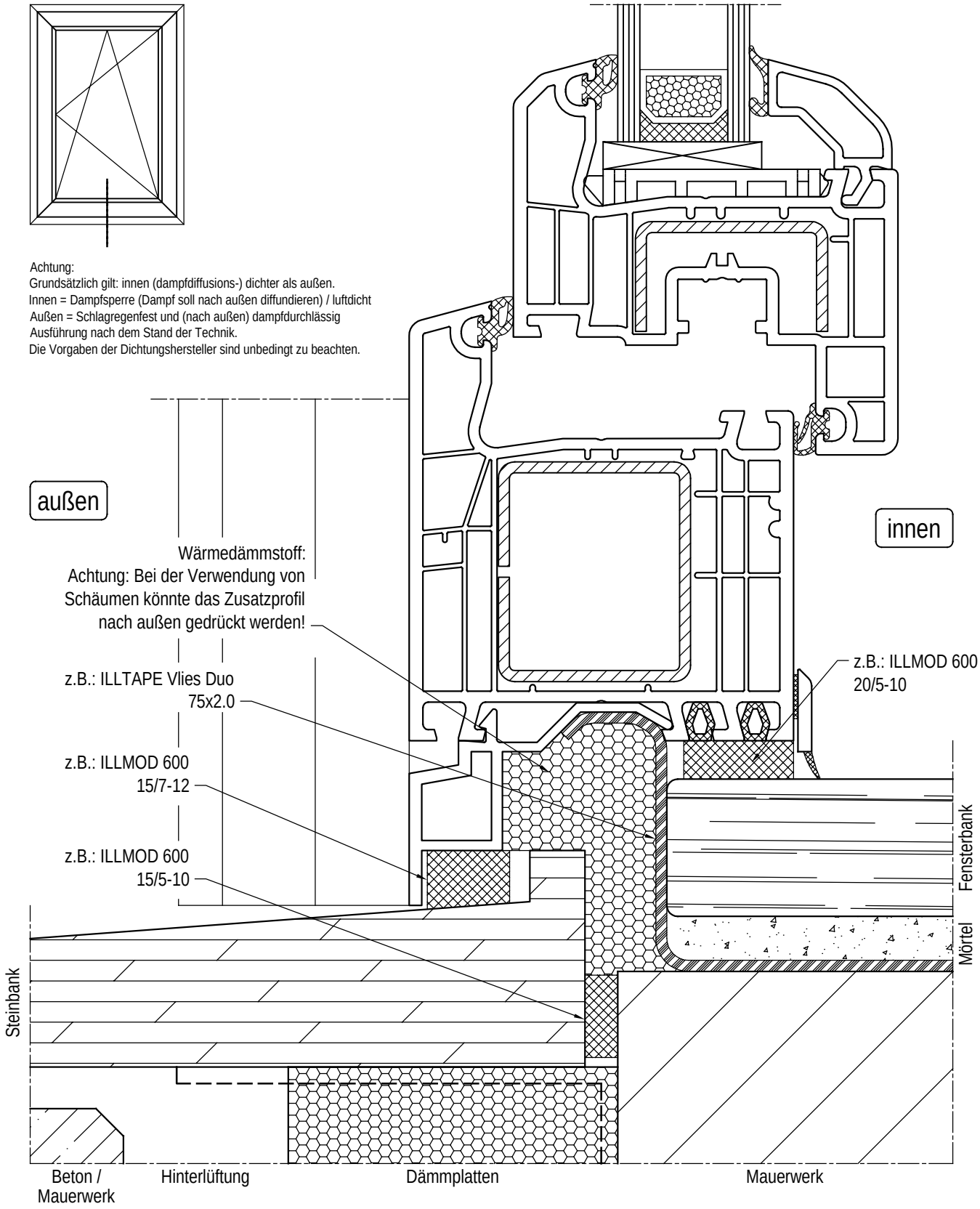
Baukörperanschluss-Beispiele
Anschlag von innen

Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.



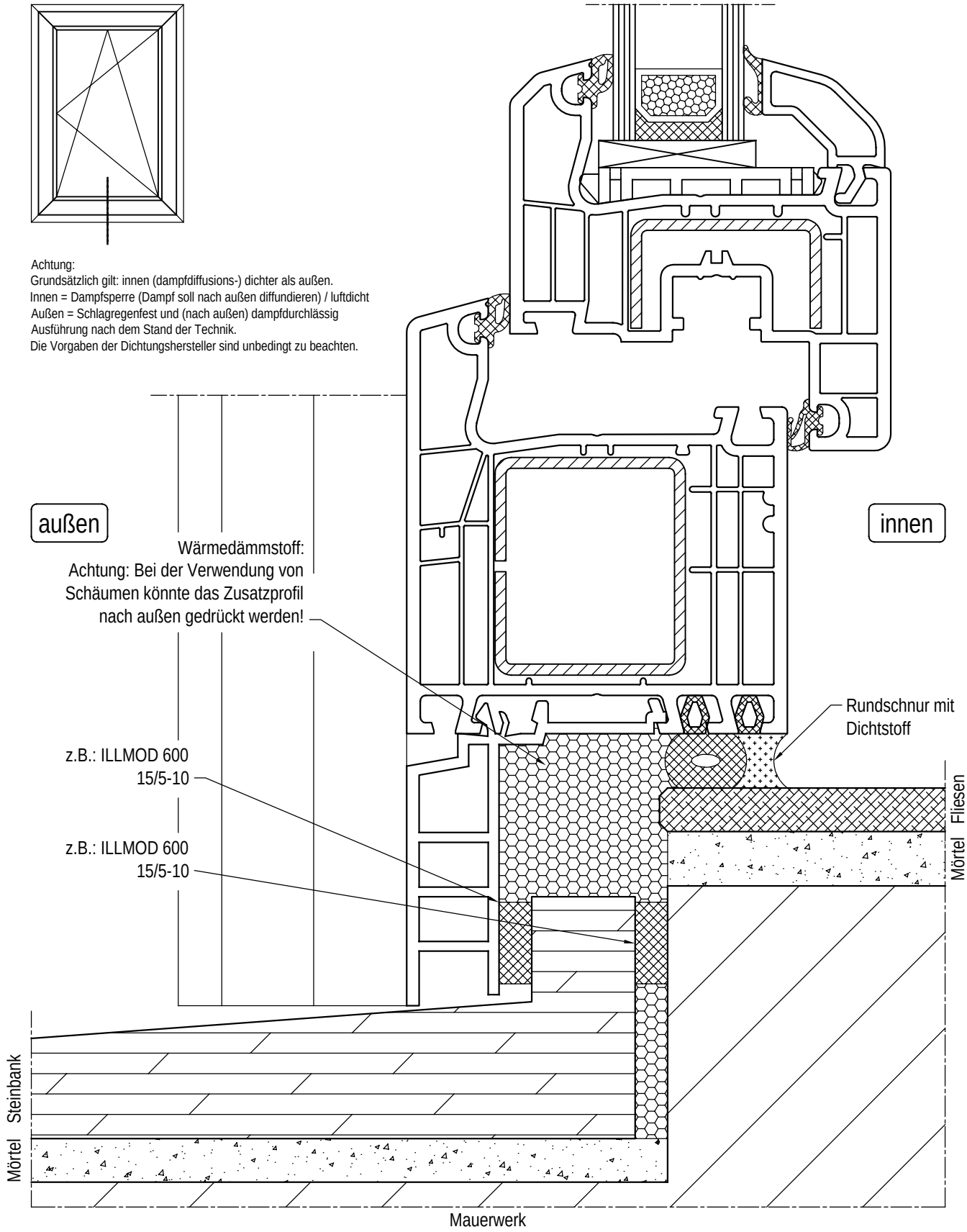
Baukörperanschluss-Beispiele unterer Anschluss

Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.



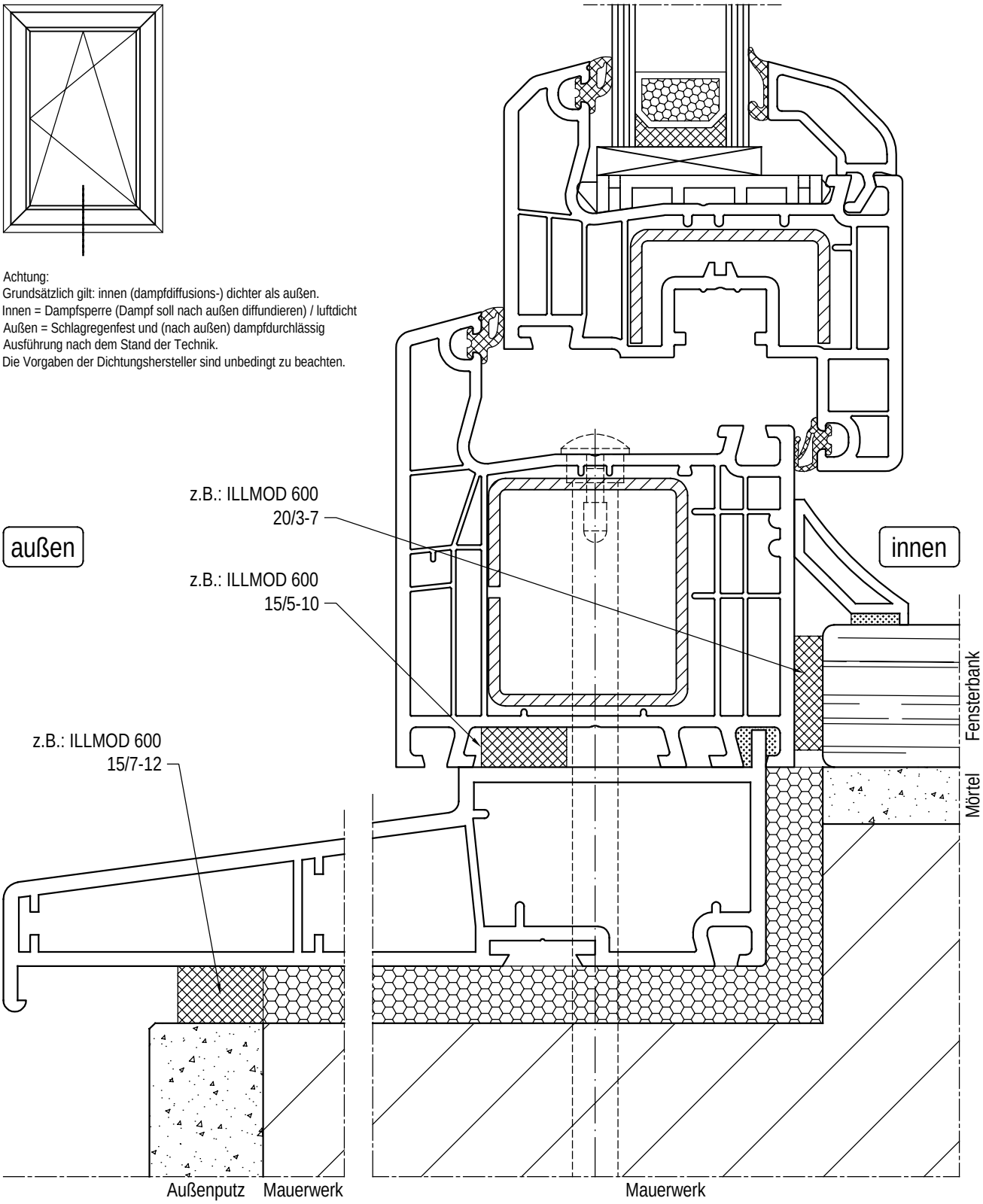
Baukörperanschluss-Beispiele unterer Anschluss

Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.

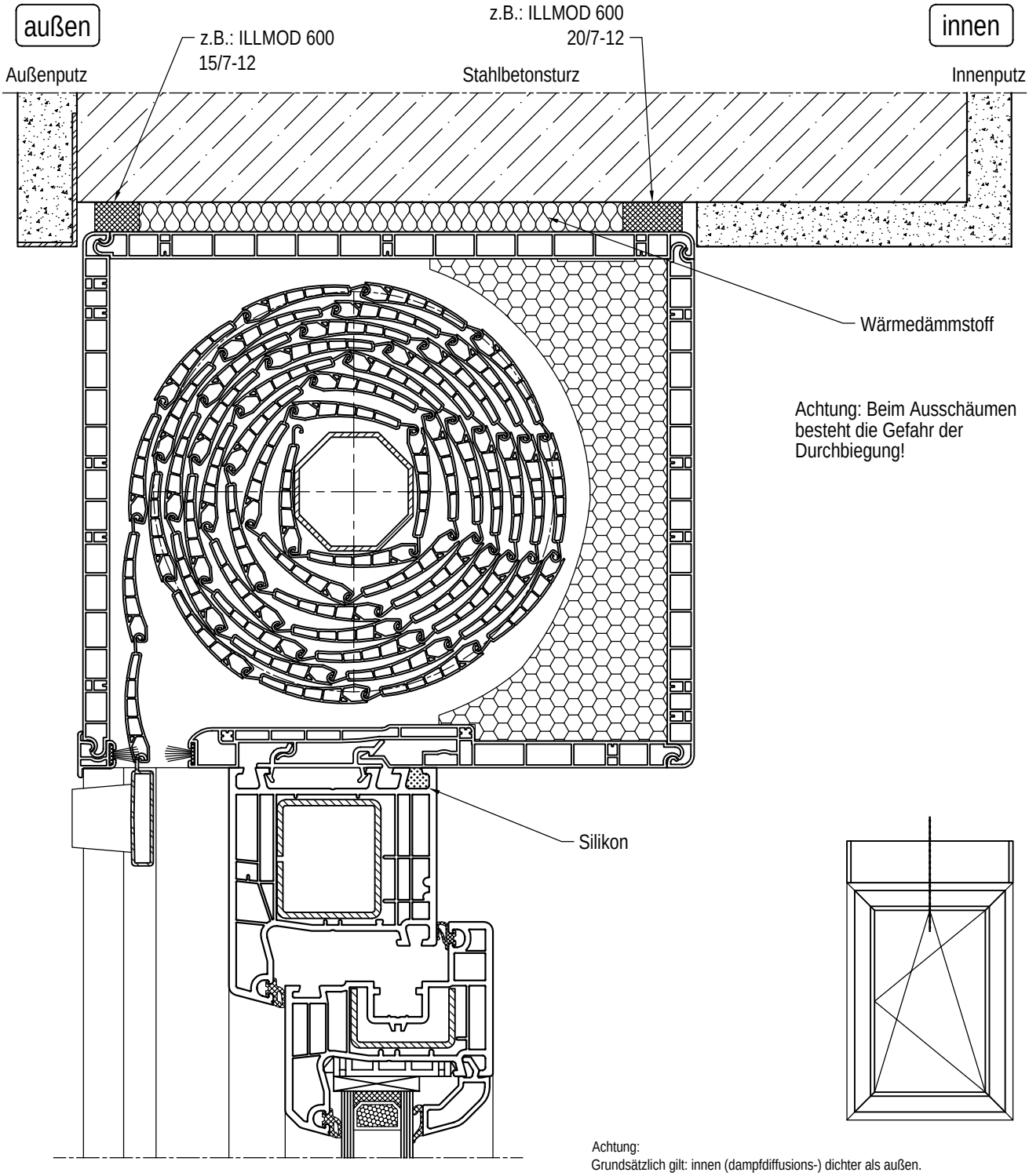


Baukörperanschluss-Beispiele unterer Anschluss

Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.



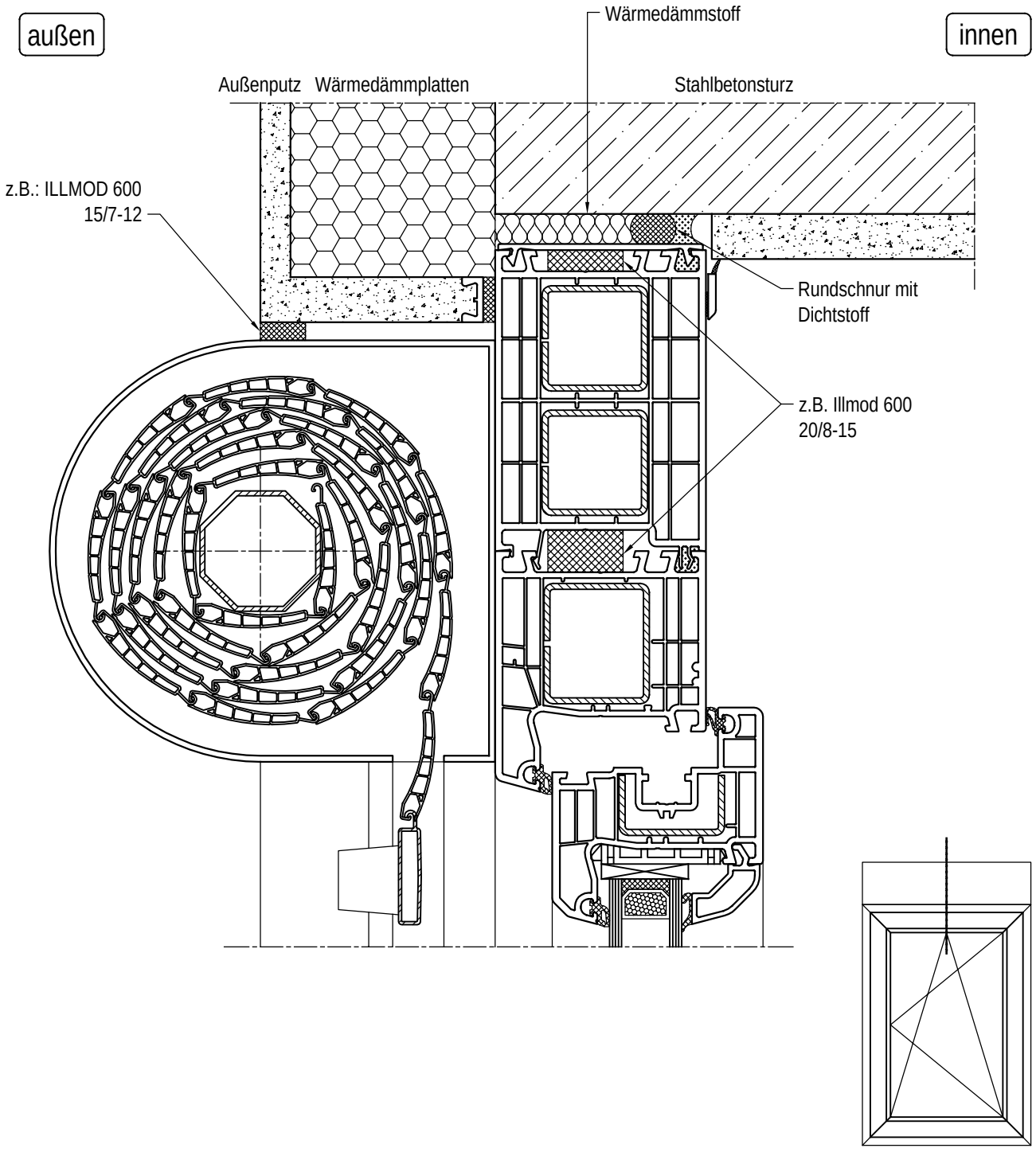
Baukörperanschluss-Beispiele unterer Anschluss



Achtung: Beim Ausschäumen besteht die Gefahr der Durchbiegung!

Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.

Baukörperanschluss-Beispiele oben mit Rollladenkasten



Achtung:
Grundsätzlich gilt: innen (dampfdiffusions-) dichter als außen.
Innen = Dampfsperre (Dampf soll nach außen diffundieren) / luftdicht
Außen = Schlagregenfest und (nach außen) dampfdurchlässig
Ausführung nach dem Stand der Technik.
Die Vorgaben der Dichtungshersteller sind unbedingt zu beachten.

Baukörperanschluss-Beispiele oben mit Vorbau-Rollladenkasten