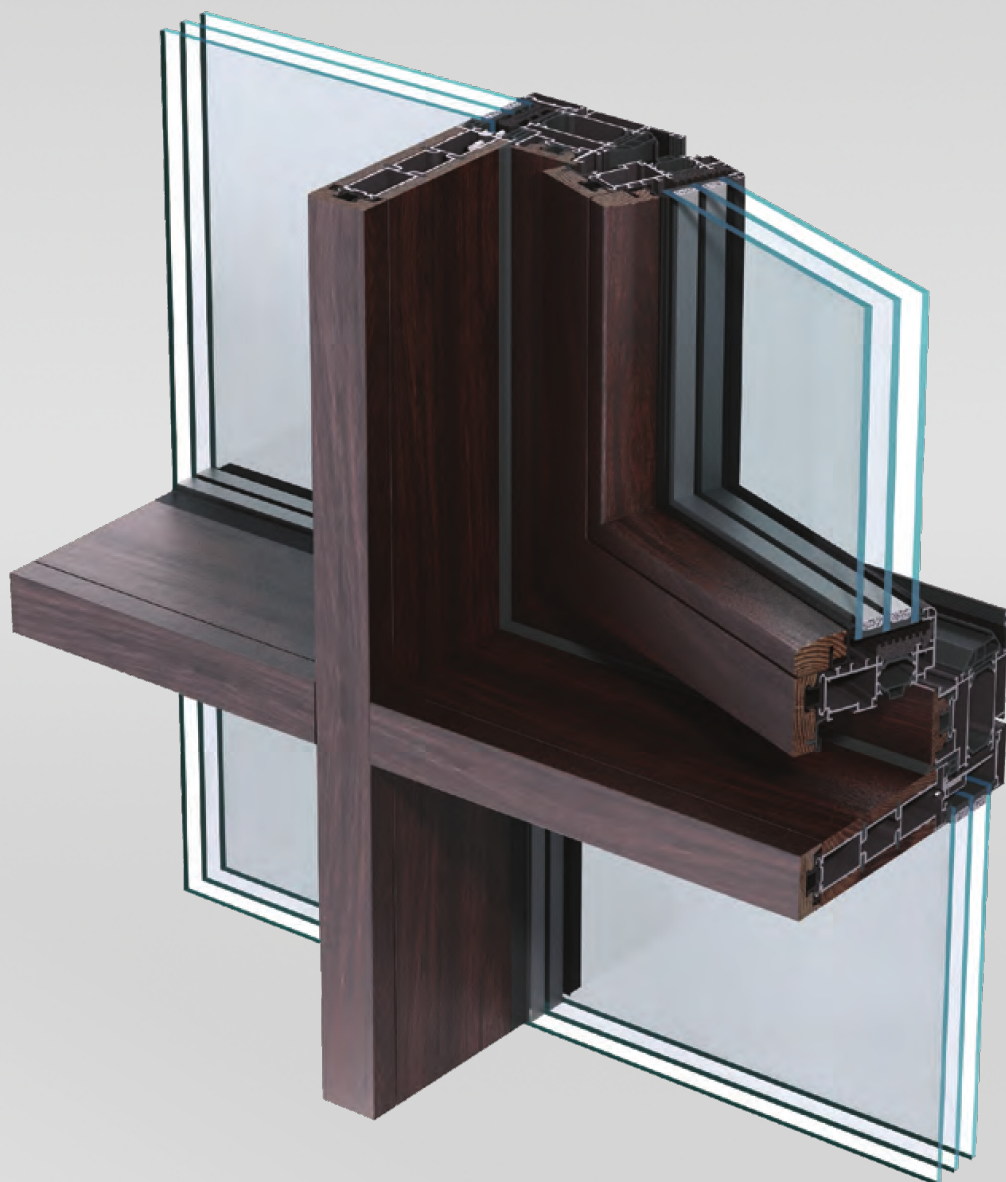


Masttech Allegno 100

Aluminum-wood profile system



AL **L** **linea**
egno
profile line

Architectural catalog

2022

ALLegno - aluminum-wood profile system designed for the manufacture of window, door, stained glass facade translucent structures.

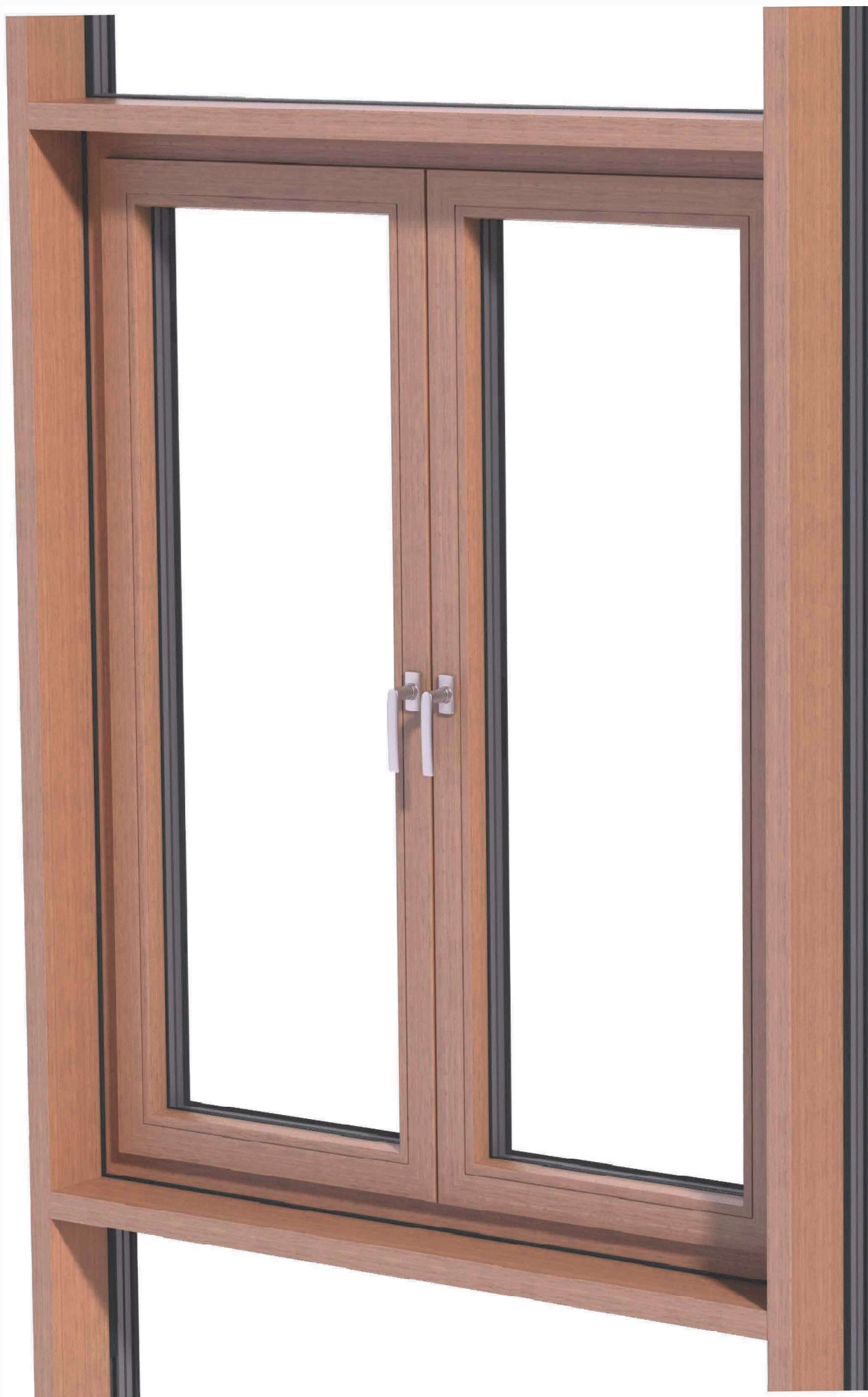
Within the framework of the system, for the first time in Russia, a constructive aluminum-wood **post-transom** profile system with an innovative method of fastening wooden overlay profiles to the aluminum profile of posts and crossbars was implemented, which allows dismantling and re-assembling the decor if replacement is necessary.

The **ALLegno** system is equipped with hidden fittings **FAPIM** (Italy), with the possibility of installing electric drives for opening the leaves, if necessary, with integration into the "smart home" system.

A distinctive feature of our translucent structures is the symbiosis of the qualities of aluminum and wooden solutions:

- resistance to adverse climatic influences (sharp temperature fluctuations, wind loads, exposure to moisture and ultraviolet radiation), resistance to structural loads, durability, no need for maintenance of structures, due to polymer-powder coating or anodizing of the surface of the profiles, provided by aluminum profile system;
- increased resistance to torsion of profiles ensures reliable locking of hidden fittings of structures;
- graceful appearance of window and door casings, aesthetic functions in the interior of the premises are provided by exclusive solutions for window finishing, through the use of various options for decorative overlay profiles made of precious species of wood;
- variety of design of wooden overlay profiles of the system allows creating windows of any style - from classic to HI-TEC;
- a unique opportunity to implement arched structures with cladding made of bent solid wood without joints;
- the use of foaming elements integrated into the aluminum profile system, polyamide adapters, in combination with multifunctional double-glazed windows provide the best thermal performance of the system and the reduced heat transfer resistance of translucent structures as a whole.

All rights to the unique design solutions of the **ALLengo** system are protected by patents of the Russian Federation..



No	Chapters	Pages
	Window and door structures	
	Table of content	1, 2, 3, 4, 5, 6,
1	Comfort Standart - window	
	Visualization	1.01 ... 1.03, 1.06, 1.07, 1.11, 1.12
	Sections	1.04, 1.05 1.08 ... 1.10, 1.13 ... 1.19,
	Comfort Standart - doors	
	Visualization	1.20 ... 1.23, 1.26
	Sections	1.24 ... 1.26
2	Comfort Classic	
	Visualization	2.01, 2.02, 2.05, 2.11, 2.12
	Sections	2.03, 2.04, 2.06 ... 2.10, 2.13
3	Comfort Structur	
	Visualization	3.01, 3.05, 3.06
	Sections	3.02, 3.03, 3.04, 3.07
	Typical window junction	3.08
	Sash size and window opening angle	3.09
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4	ALlegno Unico	
	Visualization	4.01, 4.04, 4.07 ... 4.09, 4.12, 4.13, 4.14 ... 4.16, 4.17
	Sections	4.02, 4.03, 4.05, 4.06, 4.10, 4.11 4.14 ... 4.16, 4.18 ... 4.21
	Subassemblies	4.22, 4.23
5	ALlegno Techno	
	Visualization	5.01, 5.02 5.08, 5.12, 5.15
	Sections	5.03 ... 5.07, 5.09 ... 5.11, 5.13, 5.14, 5.16 ... 5.20

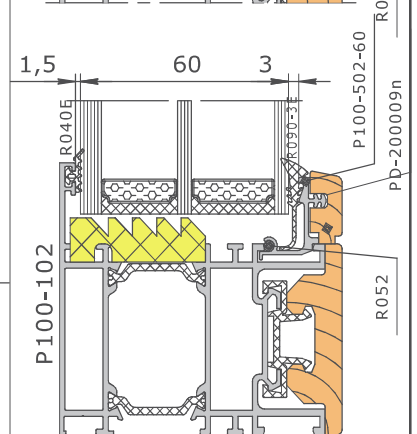
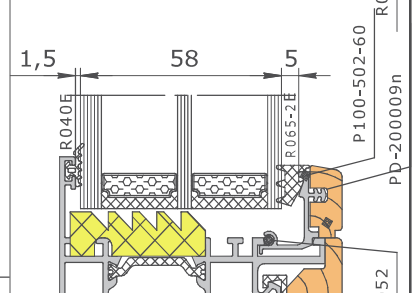
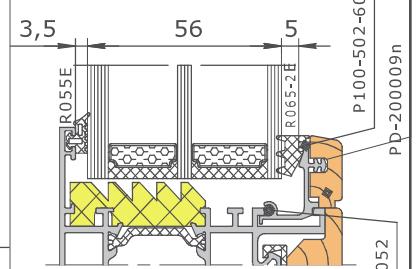
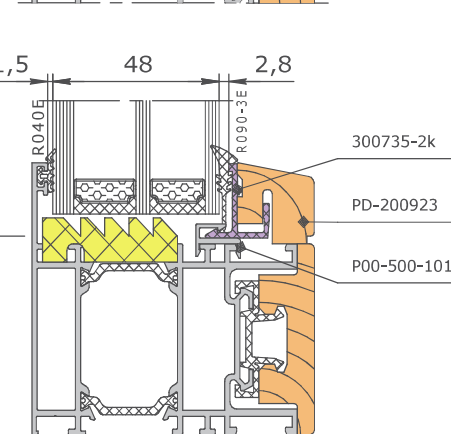
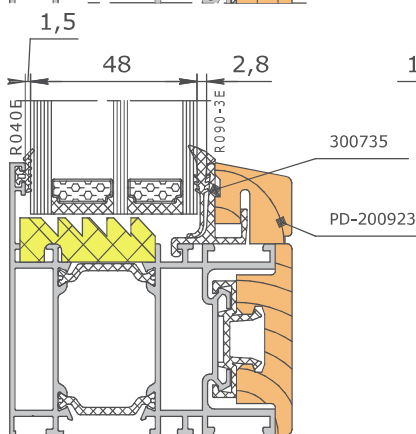
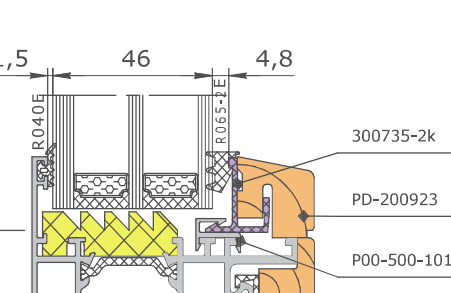
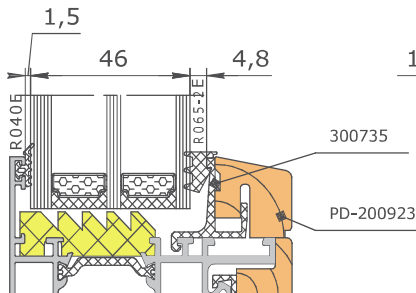
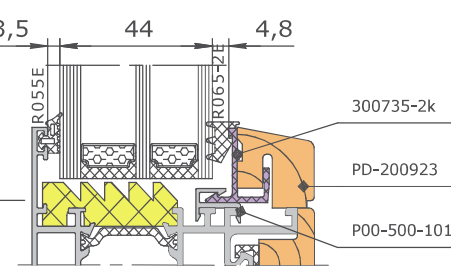
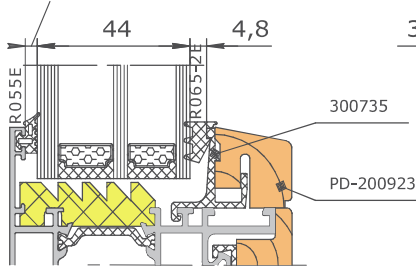
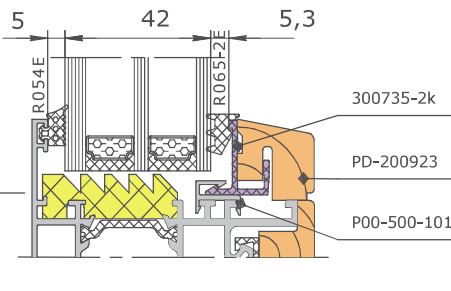
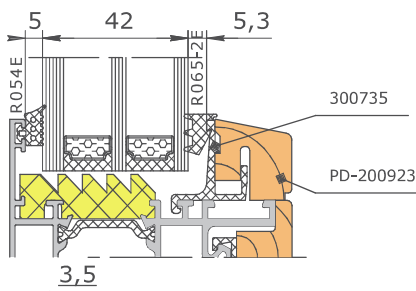
Filling range 42 - 48 mm Install of 1, 2 and 3-rd fillet

Install of 4-th fillet

Filling range 56-60 mm

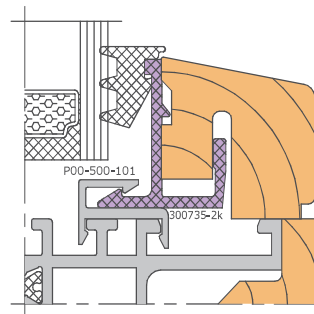
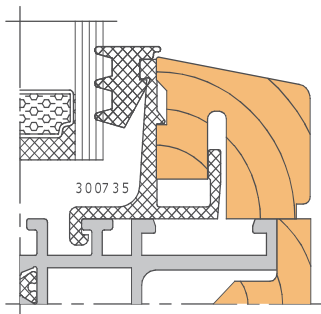
aluminum fillet P100-502-60 cut at an angle of 90 deg, holder use 4-th fillet not required

Filling

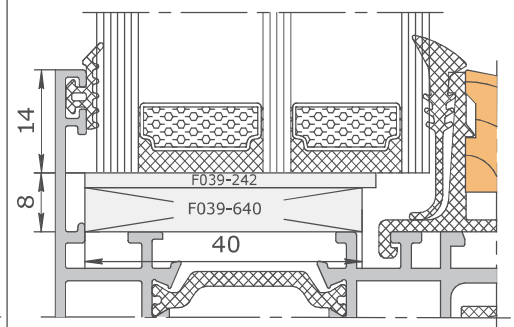


Install of 1, 2 and 3-rd fillet

Install of 4-th fillet



Lining installation diagram



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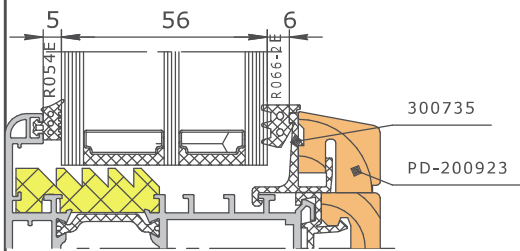
P100-102
P100-103

P100-210
P100-211

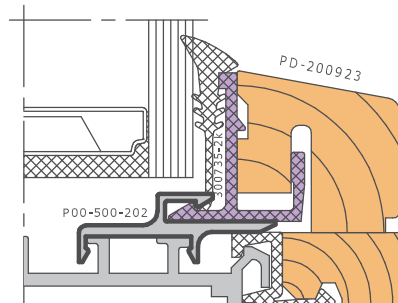
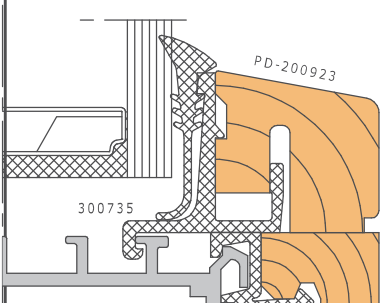
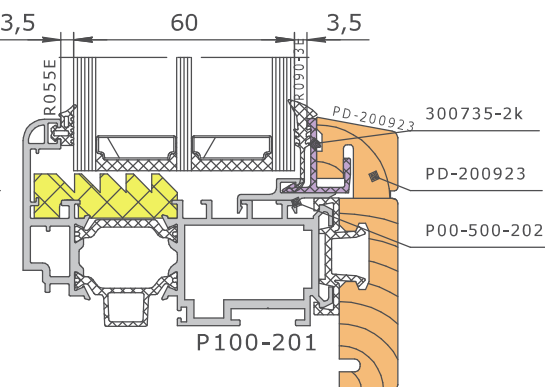
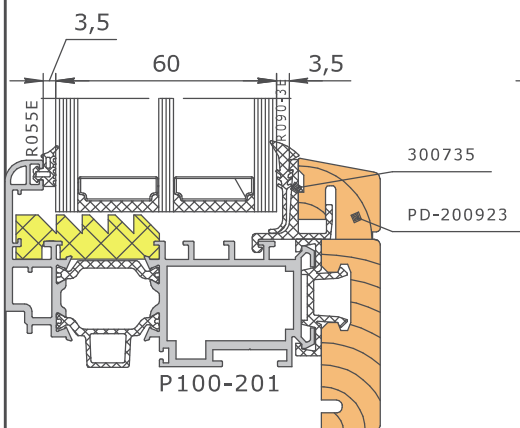
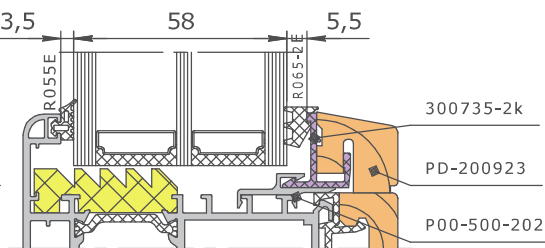
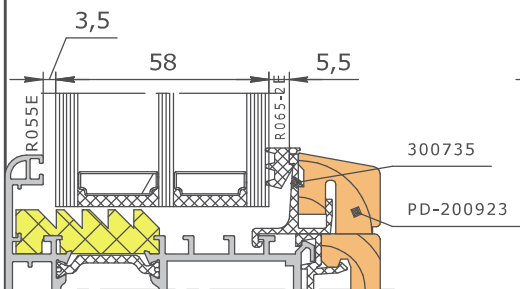
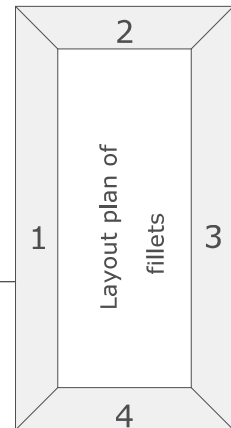
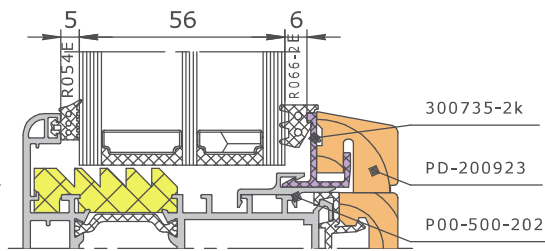
P100-3045
P100-3085
P100-3145

P100-401
P100-402

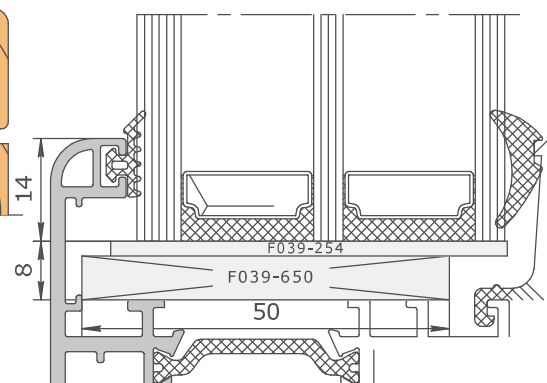
Install of 1, 2 and 3-rd fillet



Install of 4-th fillet

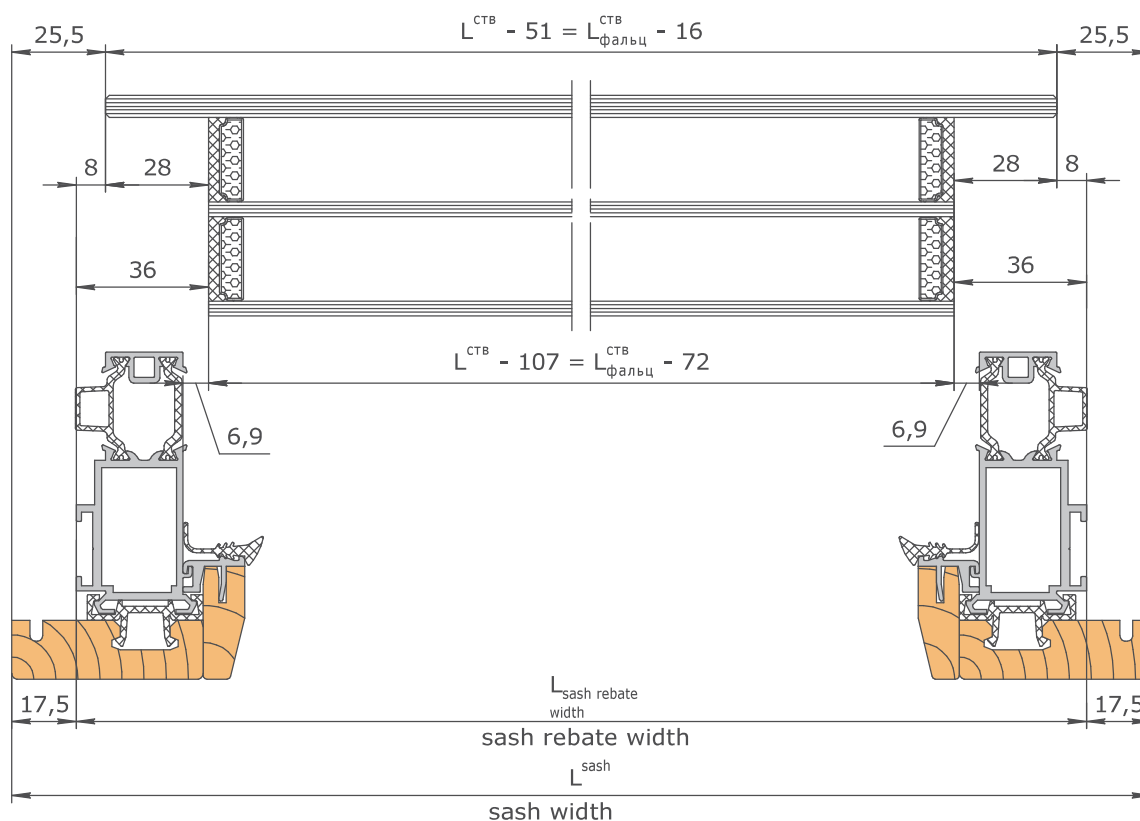
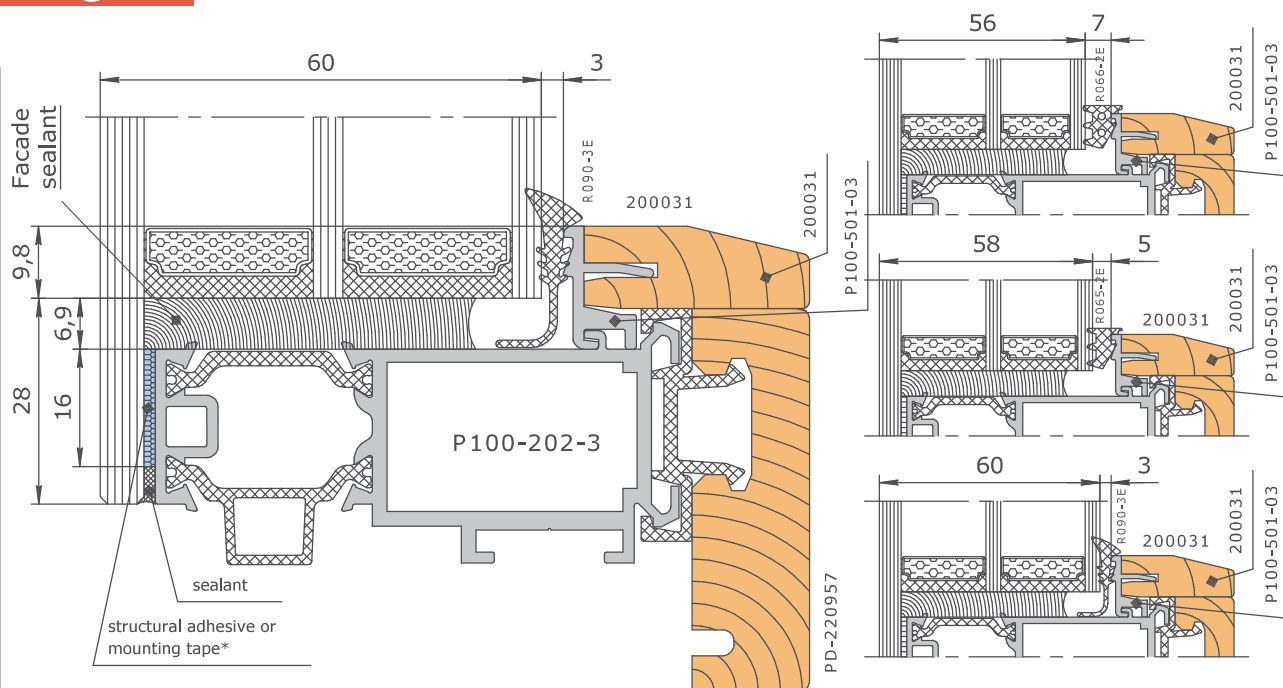


Lining installation diagram

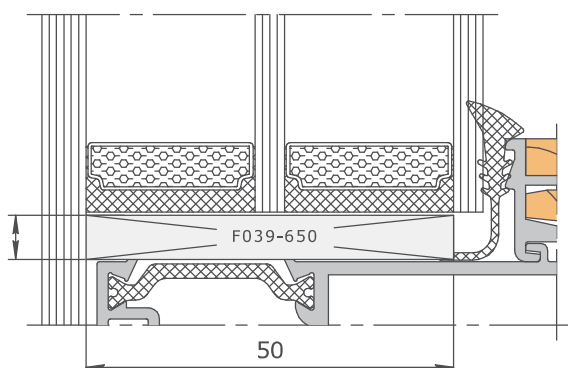


This glazing table is valid for the following profiles:
P100-201 P100-203 P100-421

Filling

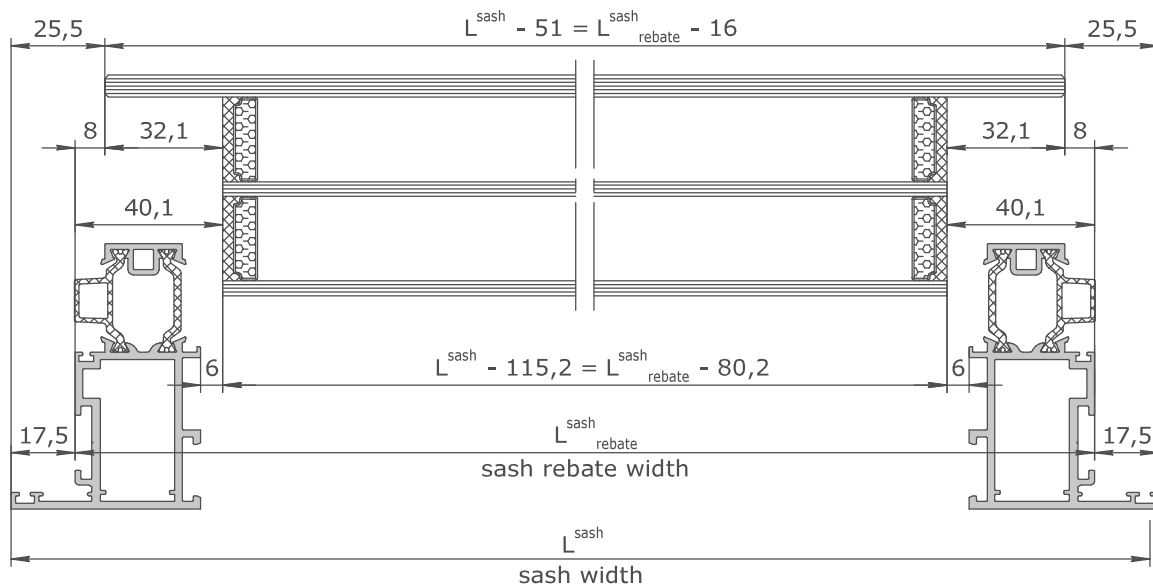
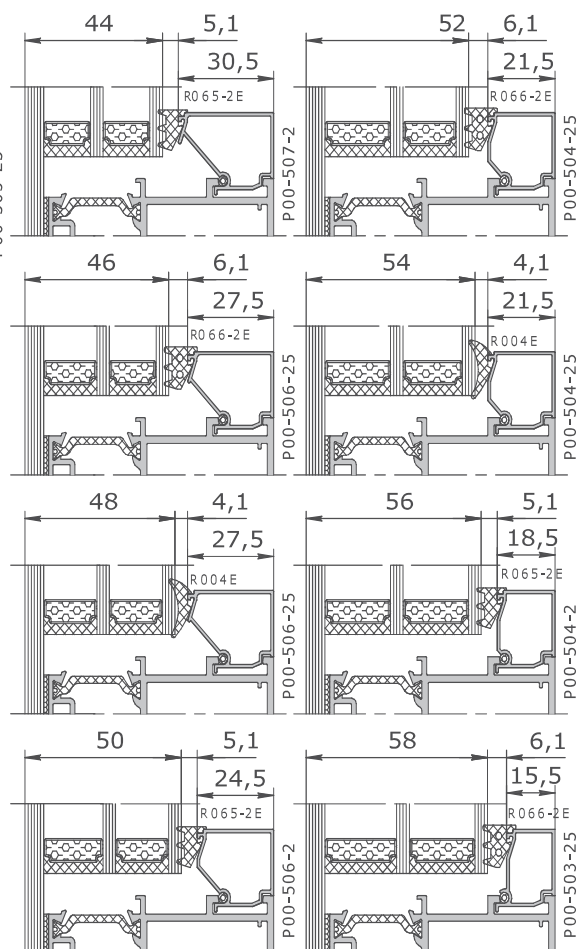
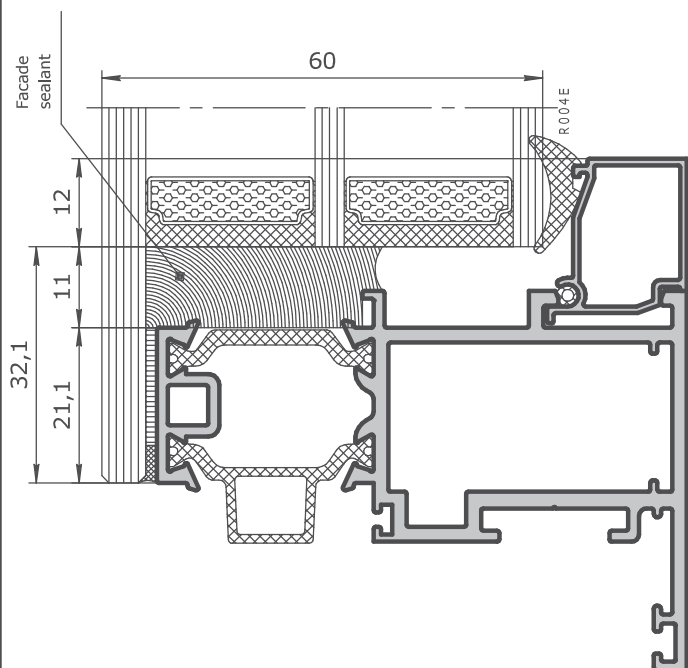


Lining installation diagram

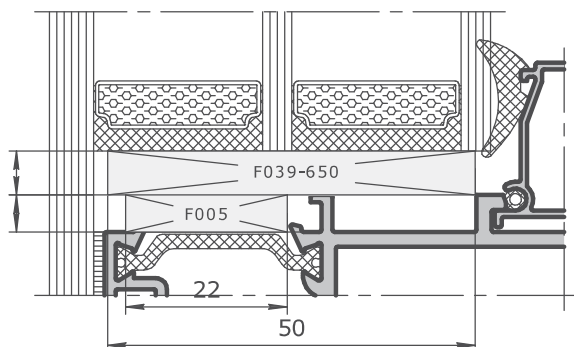


This glazing table is valid for the following profiles:
P100-202-3

* - Mounting tape used for gluing glass:
3M VHB G23F (grey) or 3M VHB B23F (black) -
double-sided mounting tape, base - acrylic foam, adhesive -
acryl, thickness 2,3 mm.



Lining installation diagram



This glazing table is valid for the following profiles:
P77-202-3

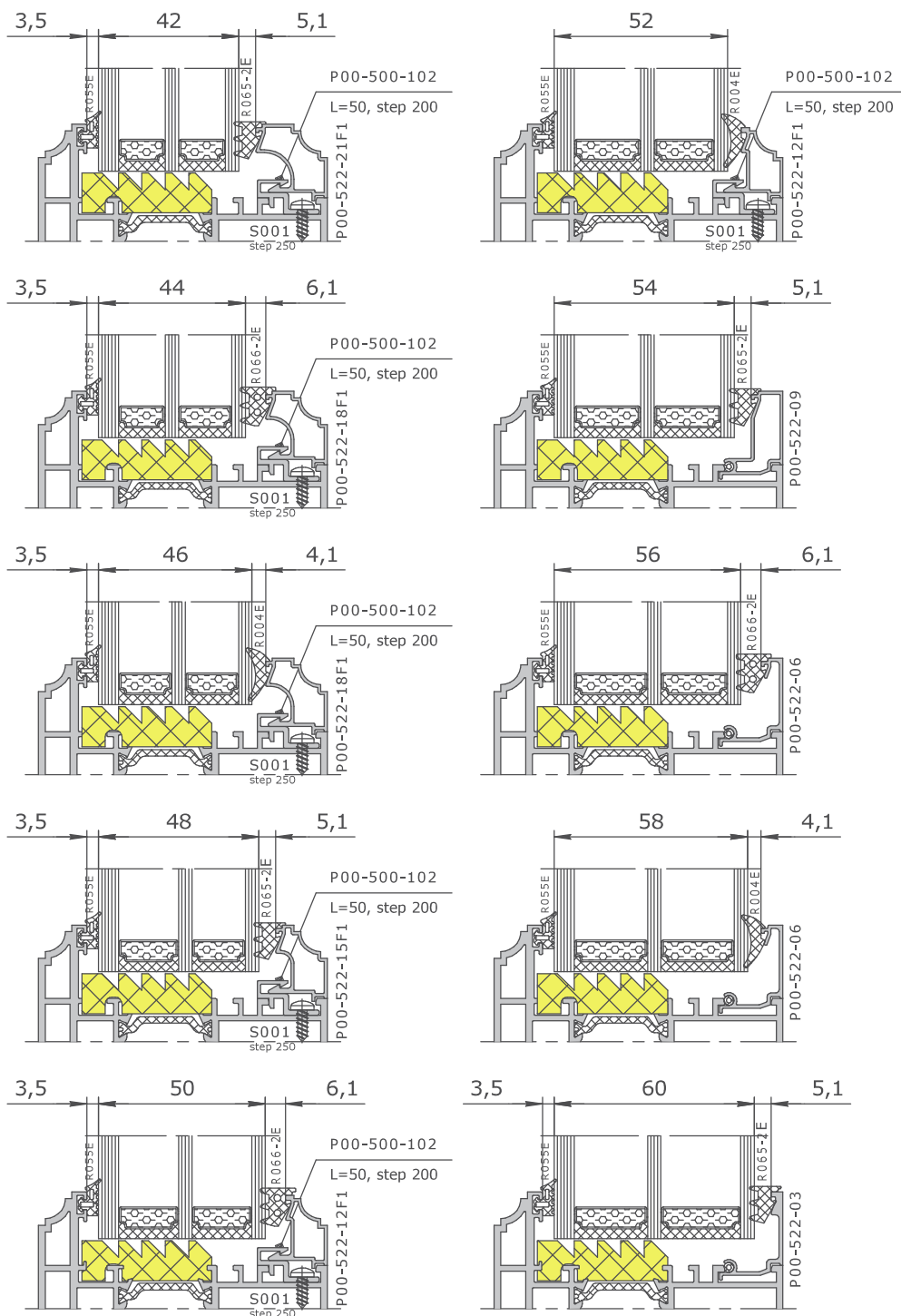
* - Mounting tape used for gluing glass:
3M VHB G23F (grey) or 3M VHB B23F (black) -
double-sided mounting tape, base - acrylic foam, adhesive -
acryl, thickness 2,3 mm.

Filling

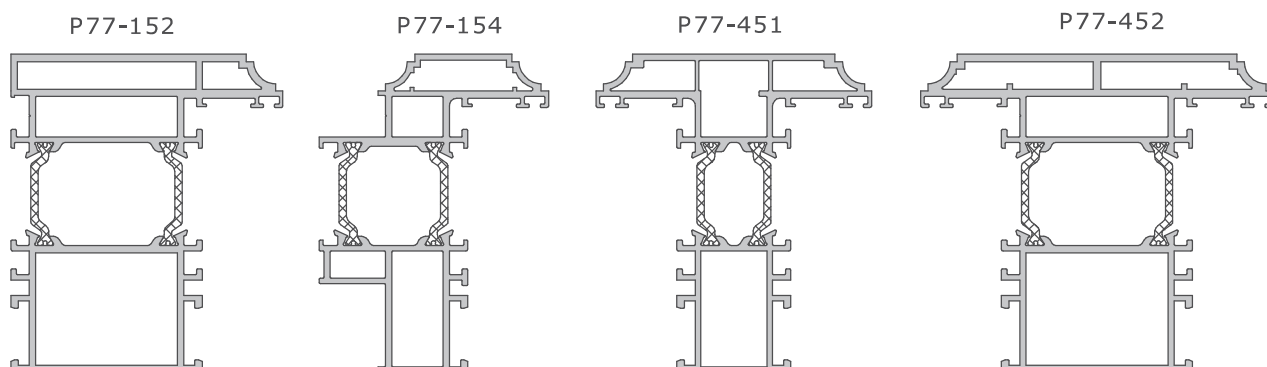
pg.
4

Glazing table - frame profiles

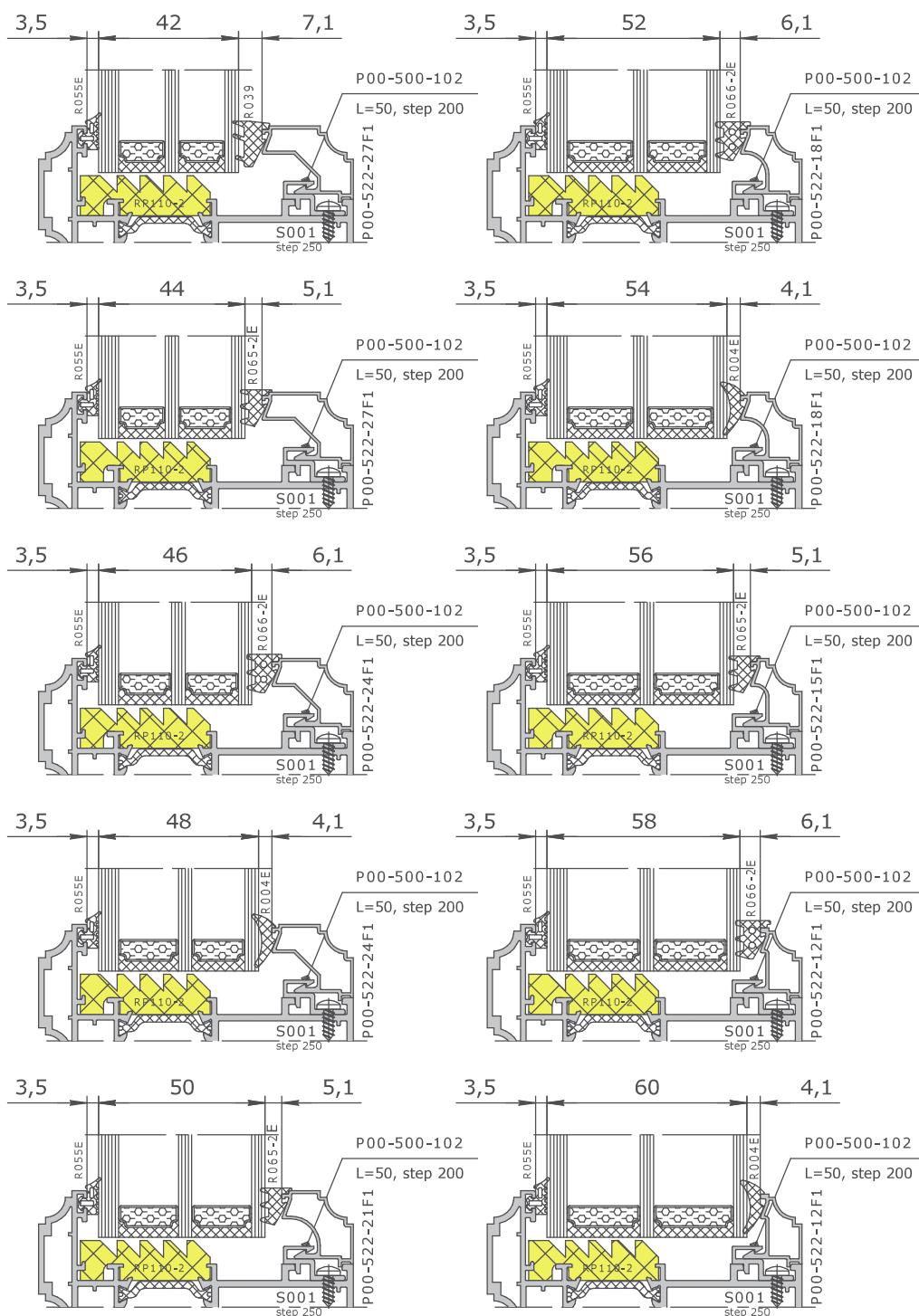
Filling



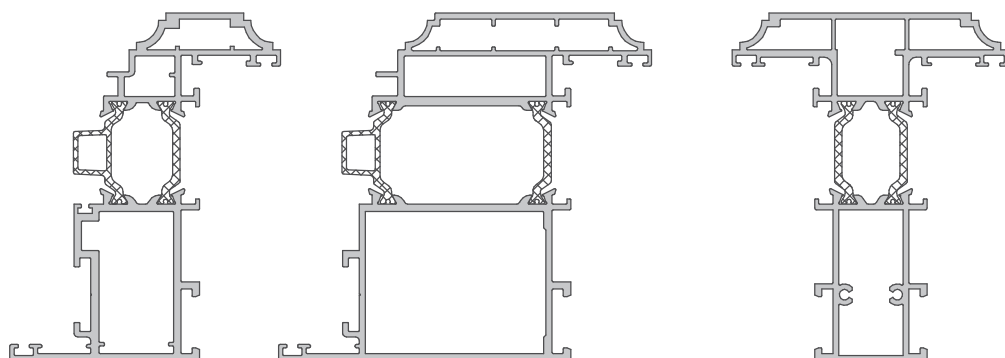
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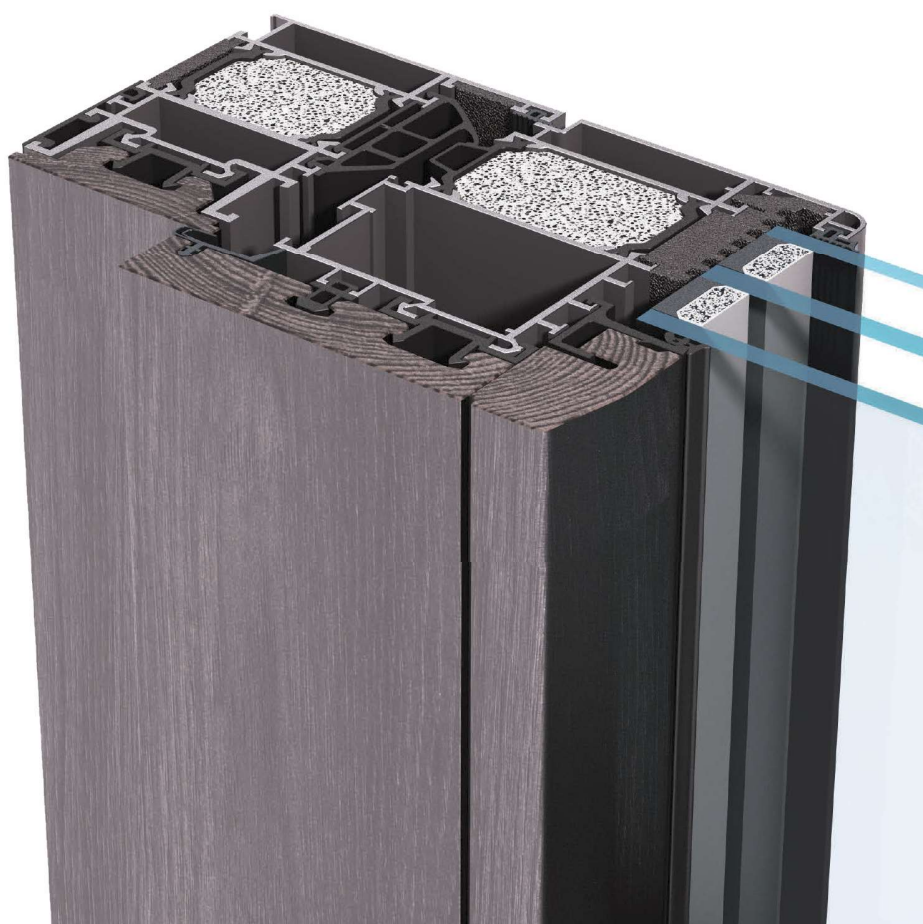
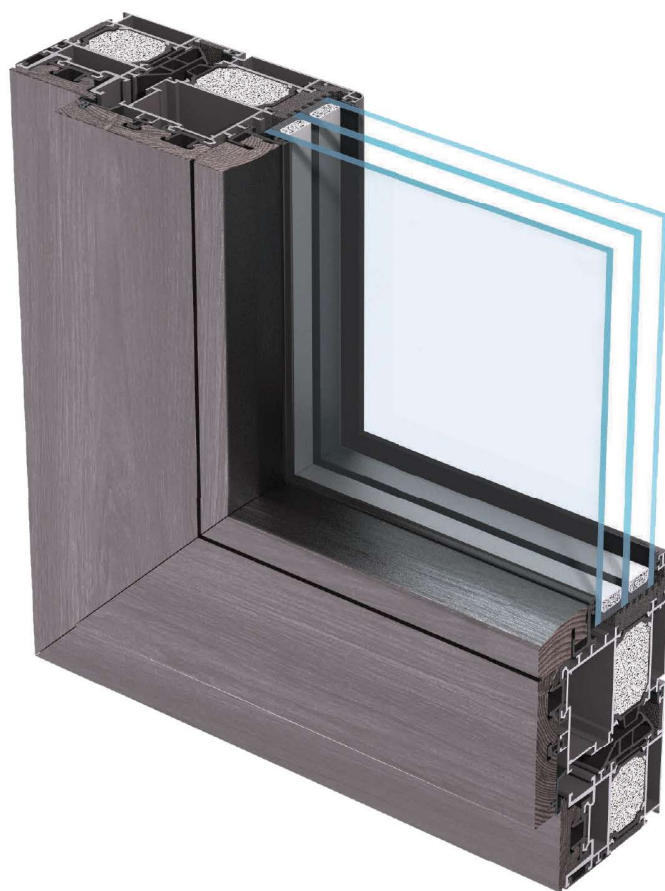


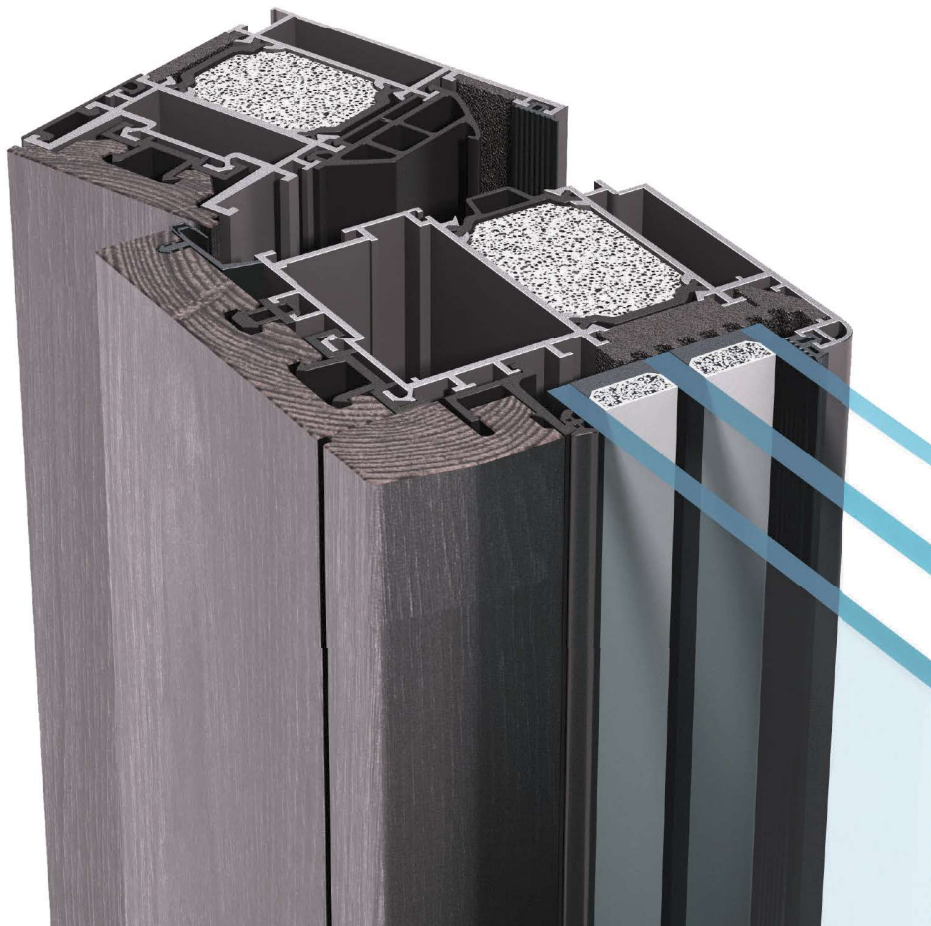
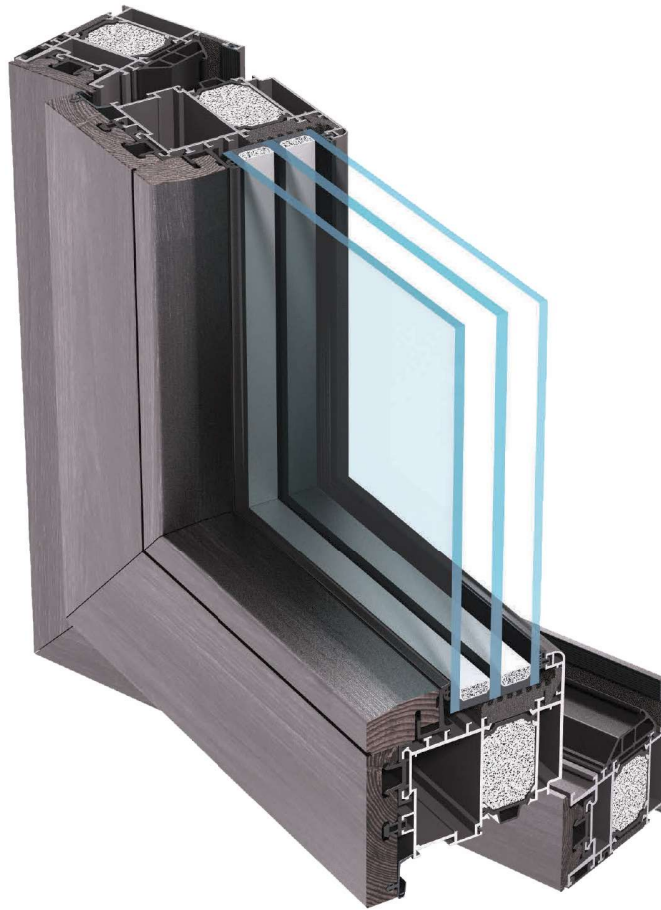
Glazing table - casement profiles



This glazing table is valid for the following profiles:
P77-251 P77-253 P77-422



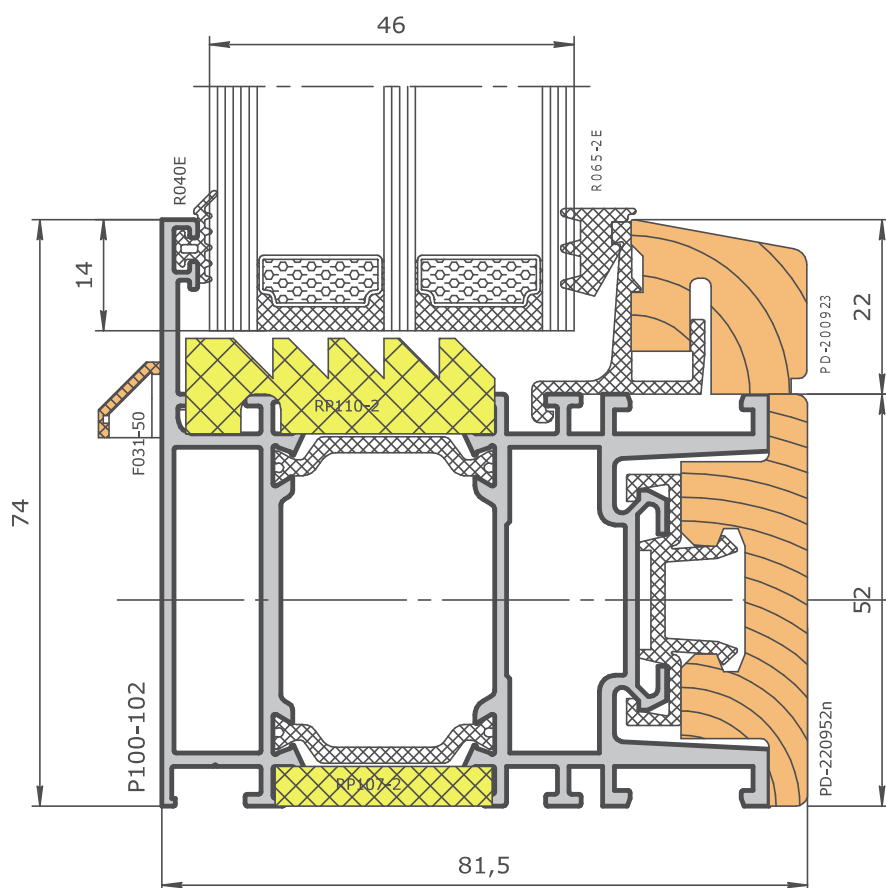
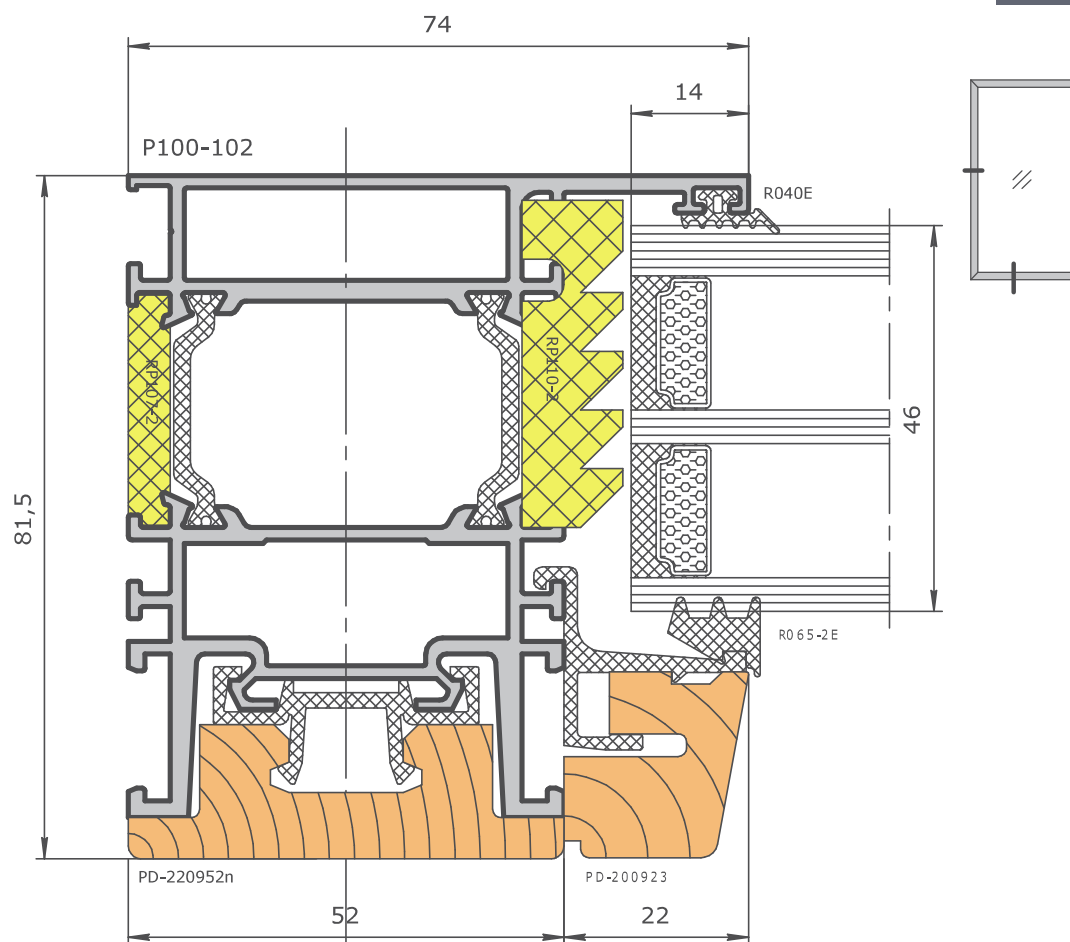




Comfort Standart Series

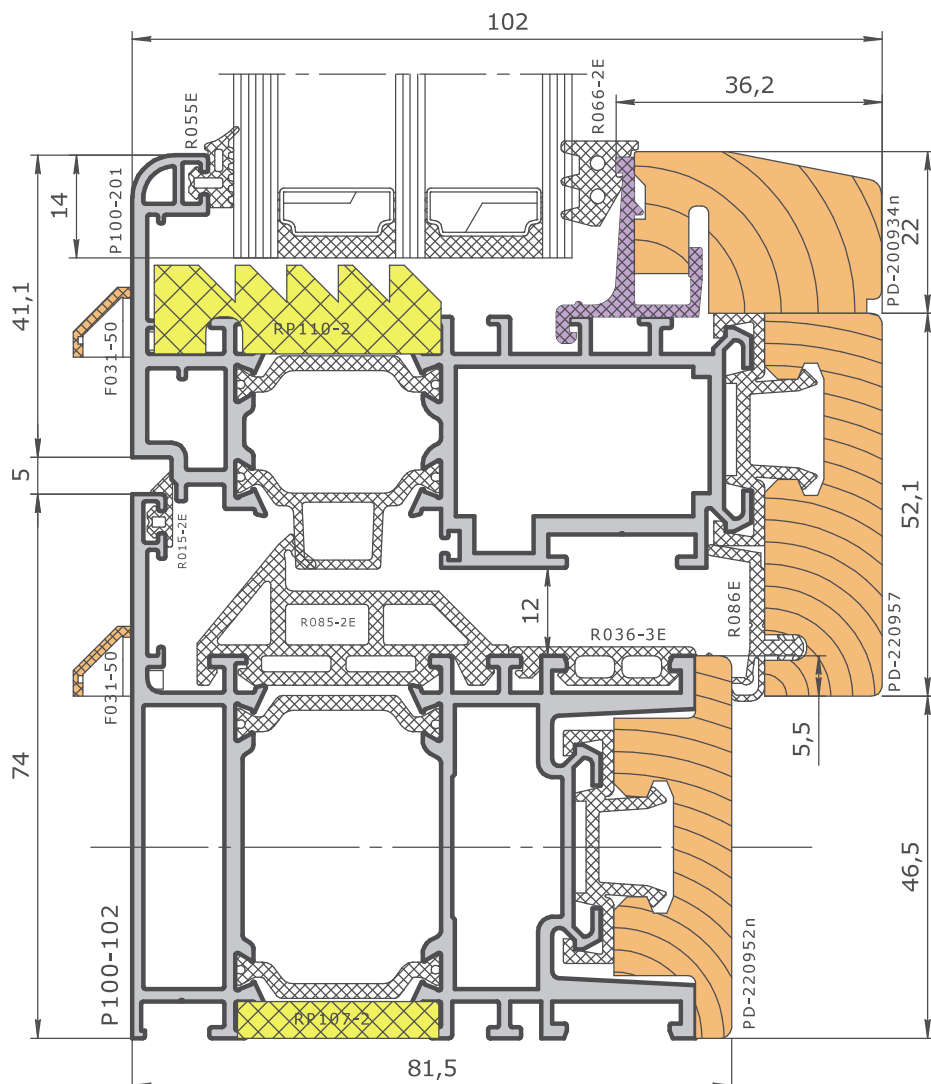
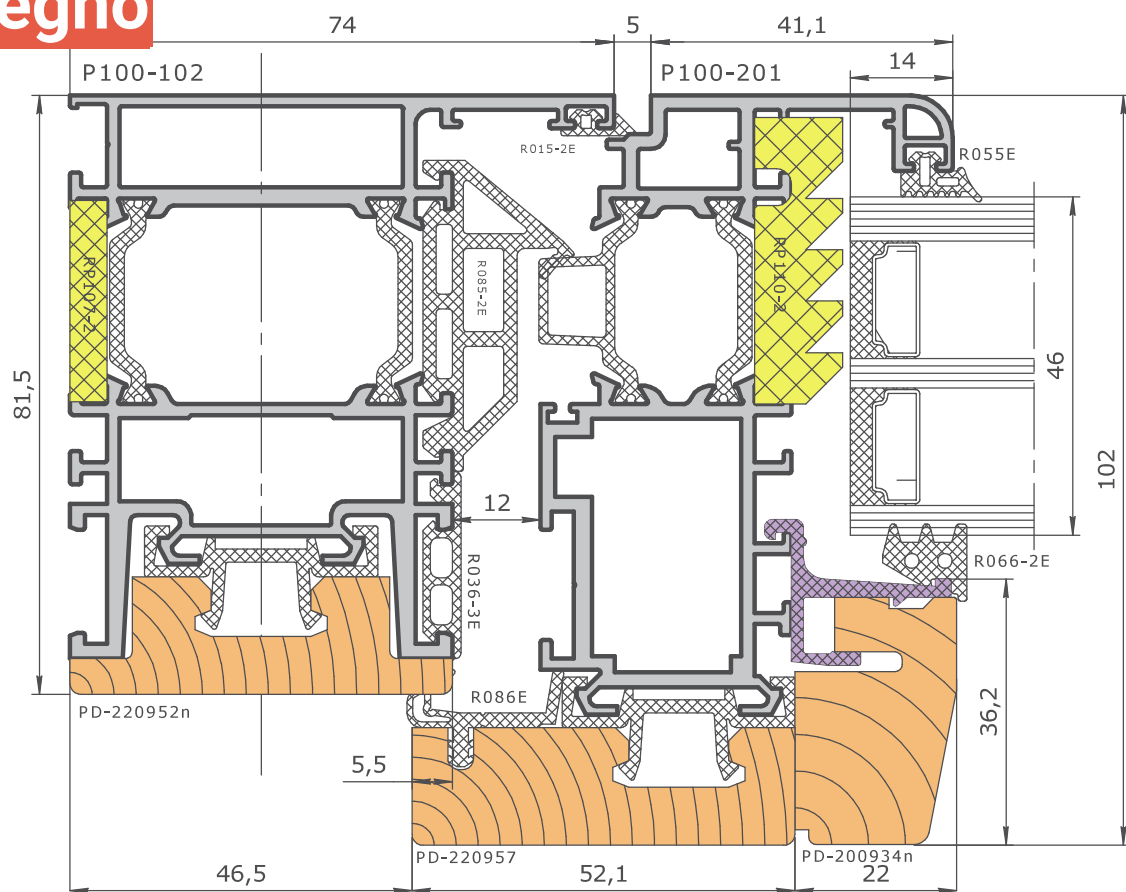
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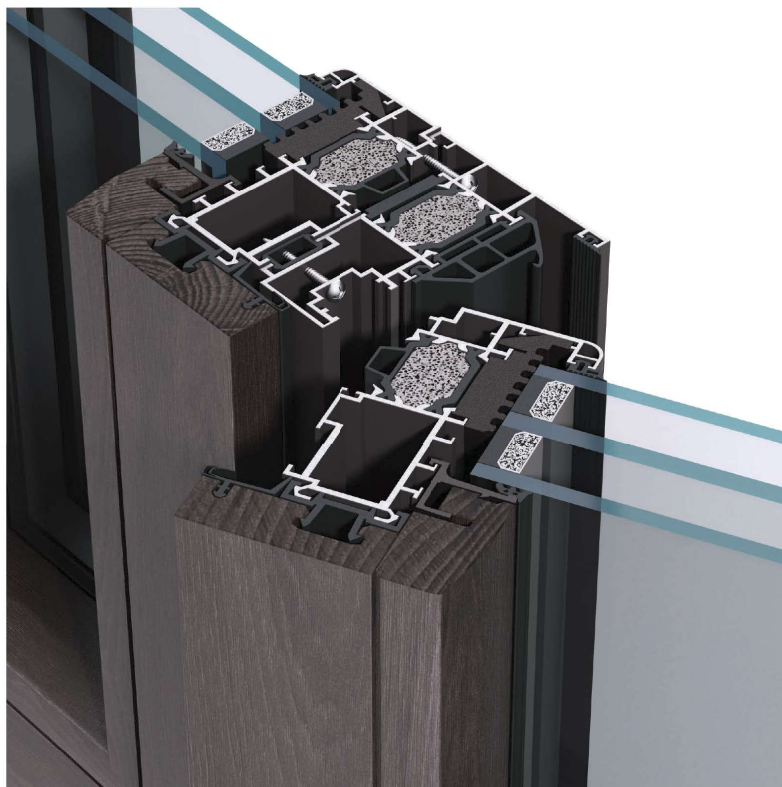
Comfort Standard Series

pg.
1.04





Comfort Standart Series

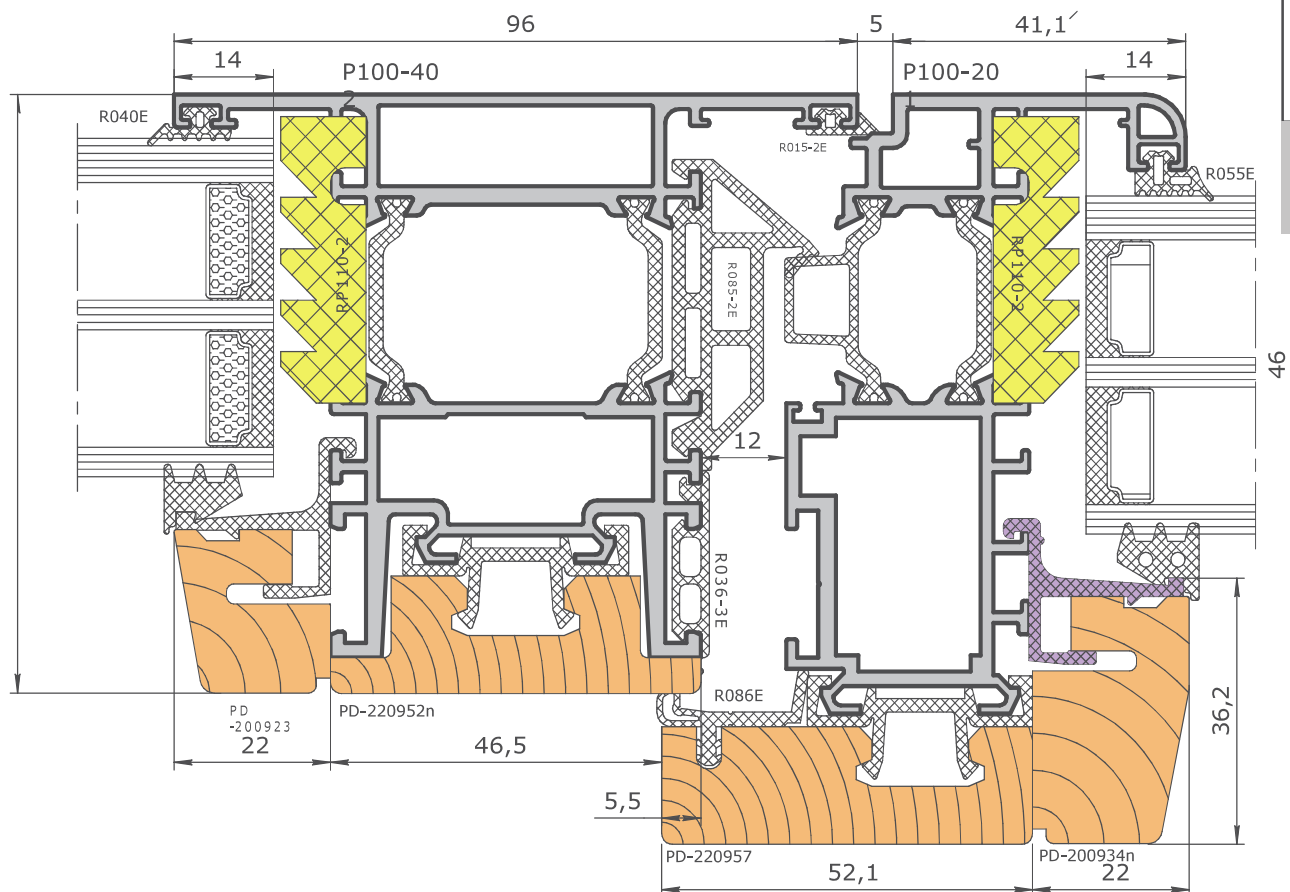
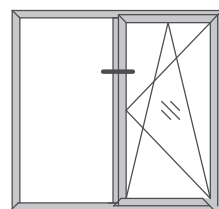
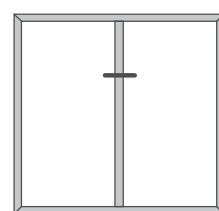
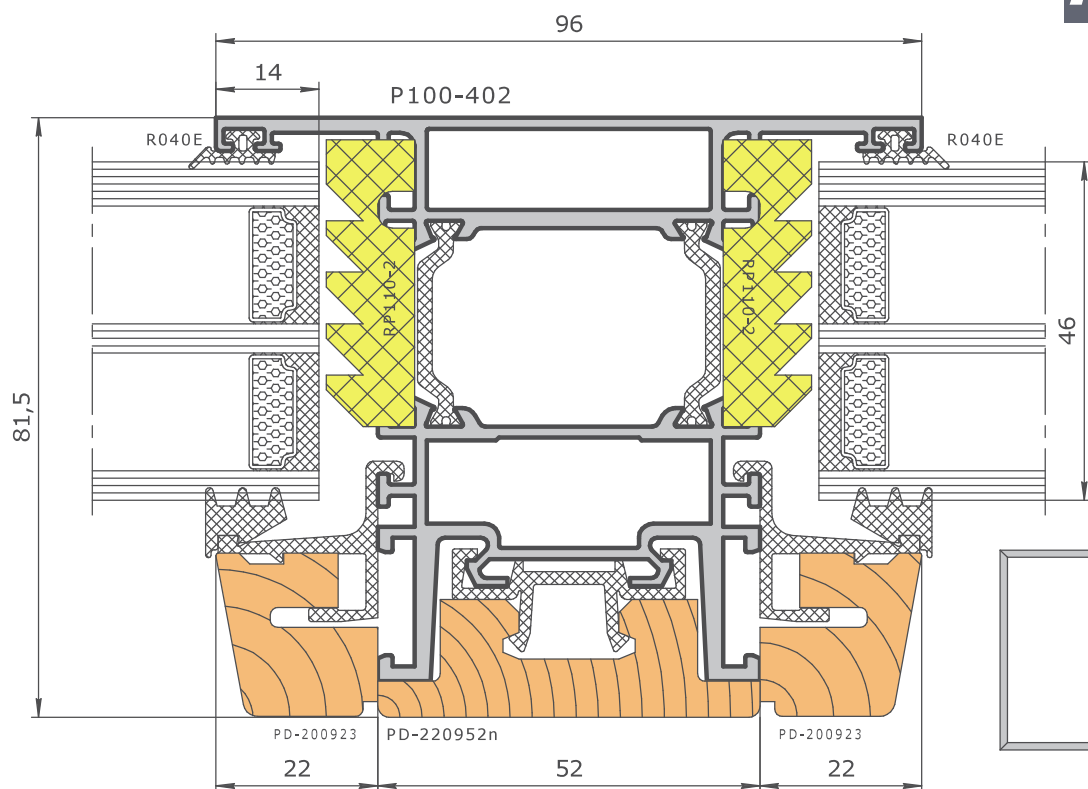


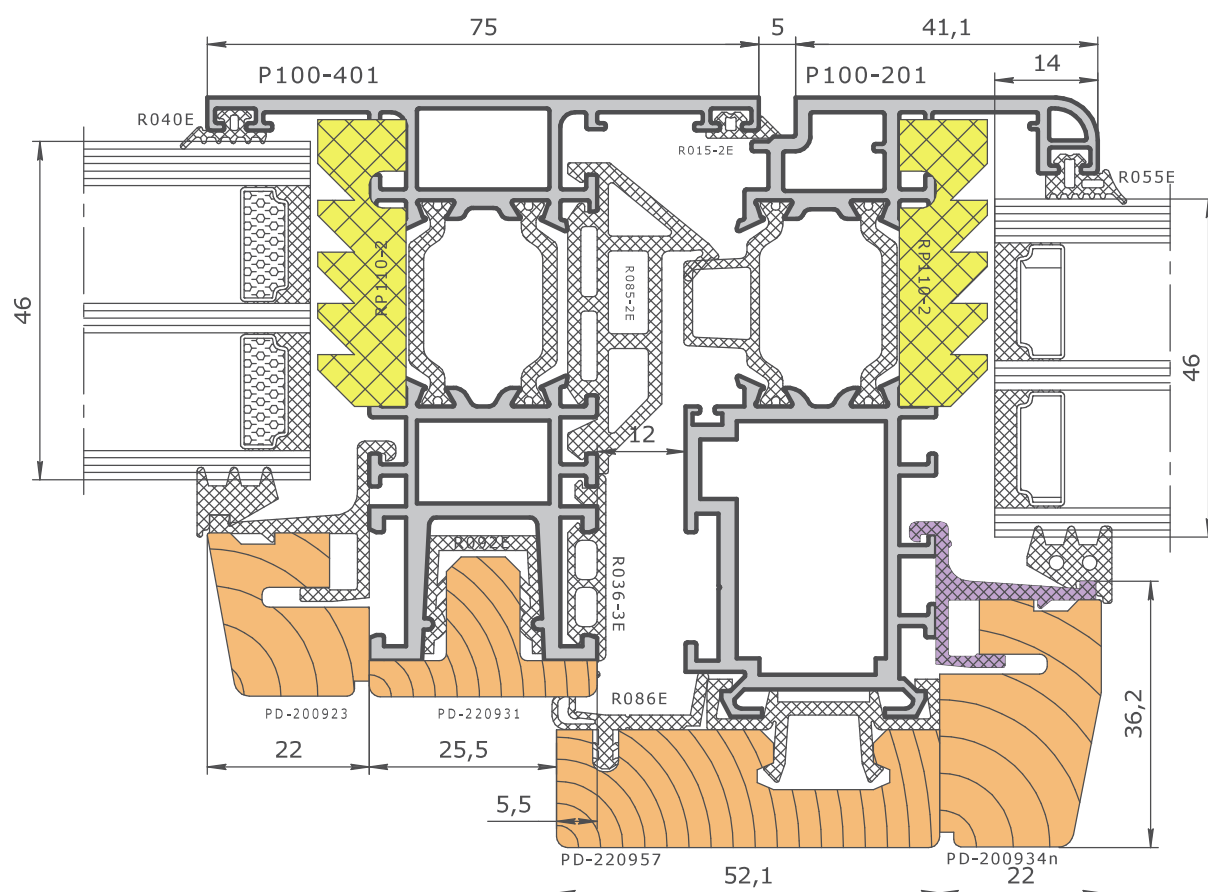
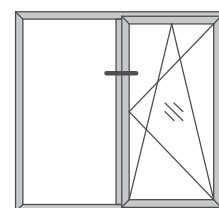
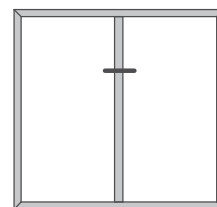
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Comfort Standart Series

pg.
1.07

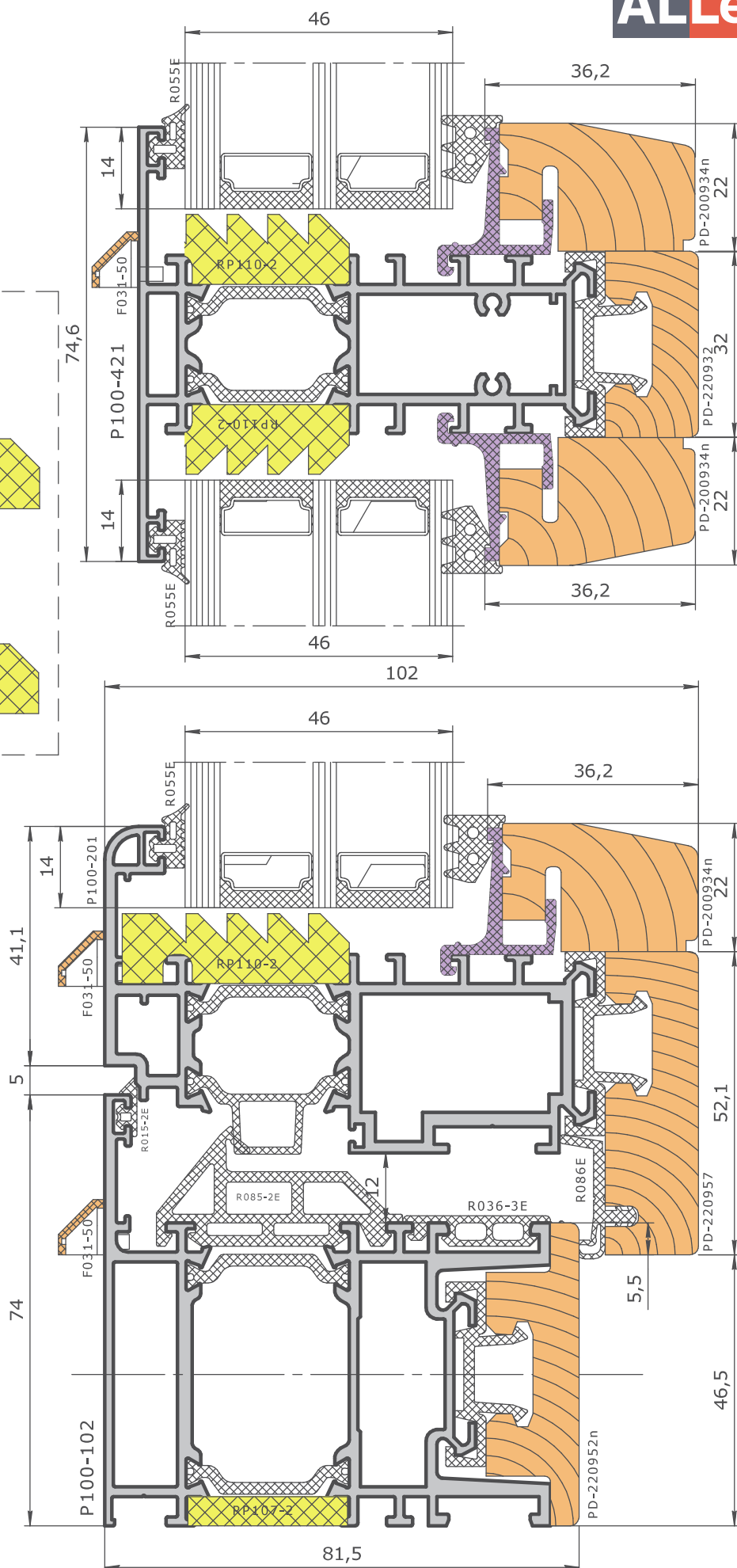
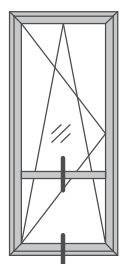






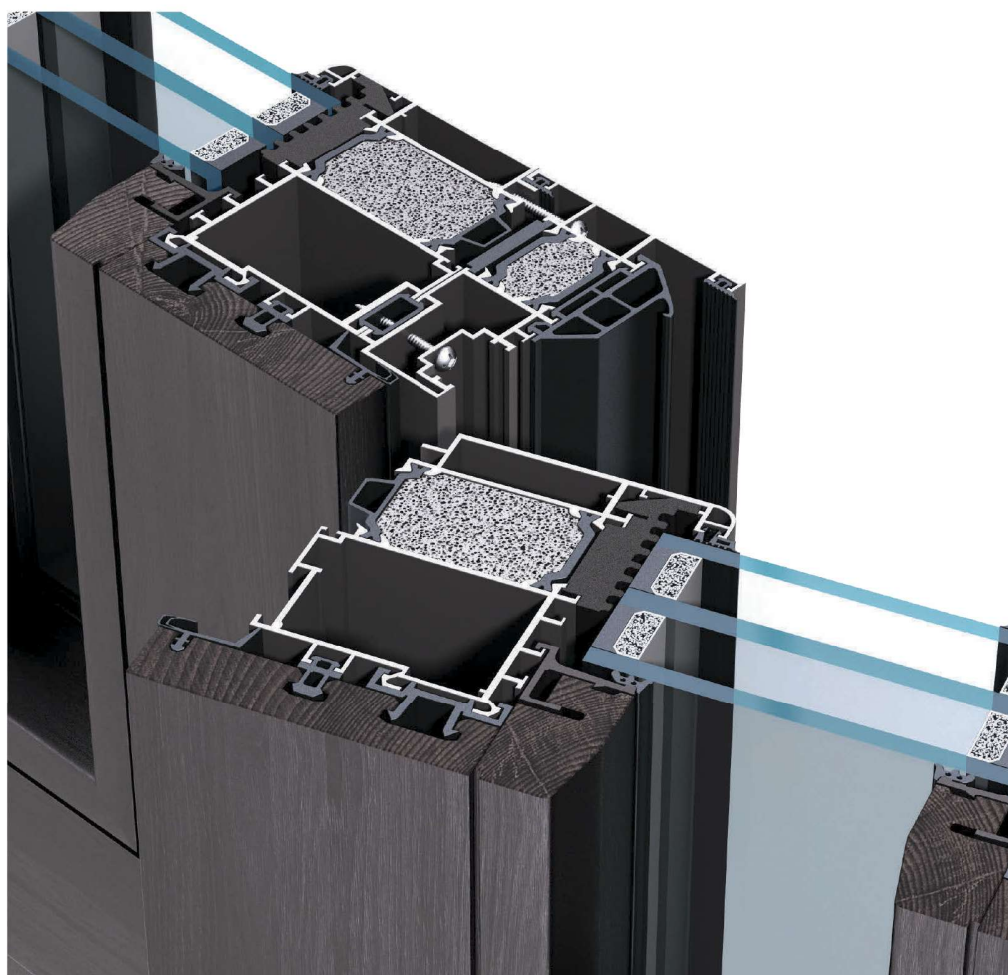
Comfort Standard Series

pg.
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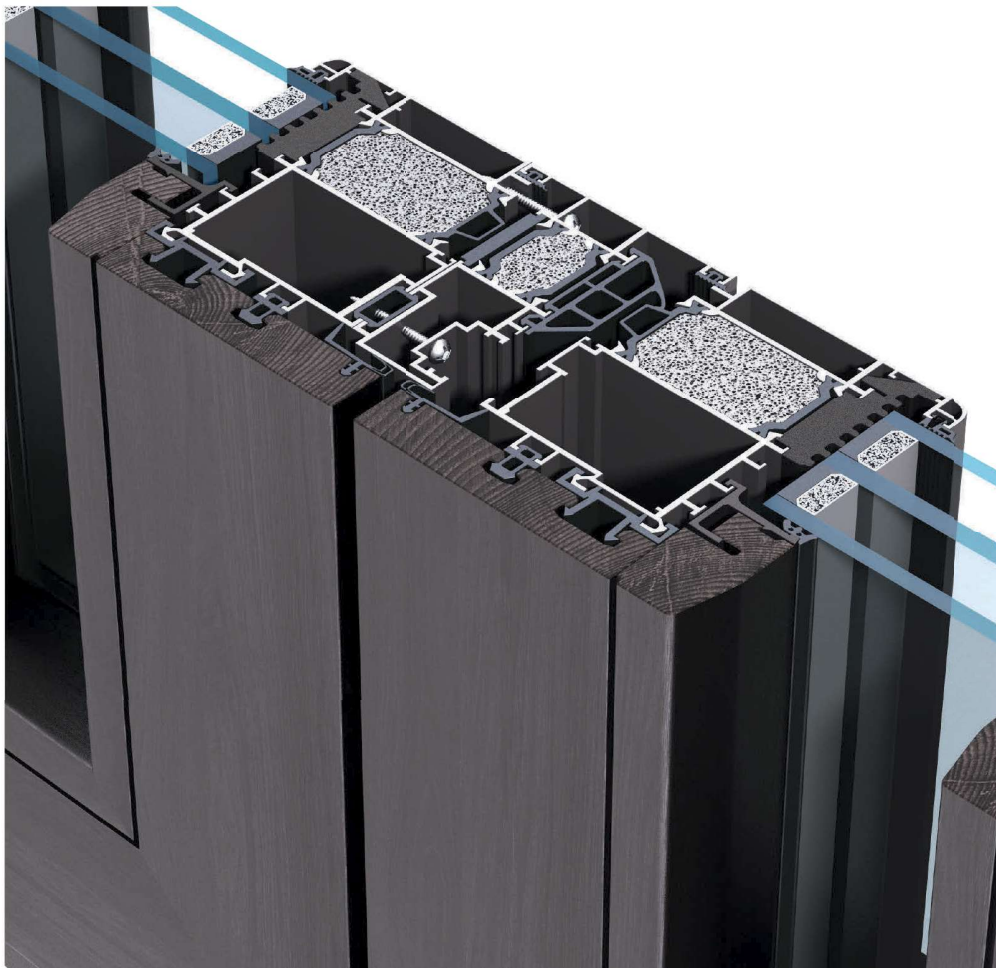


Comfort Standart Series

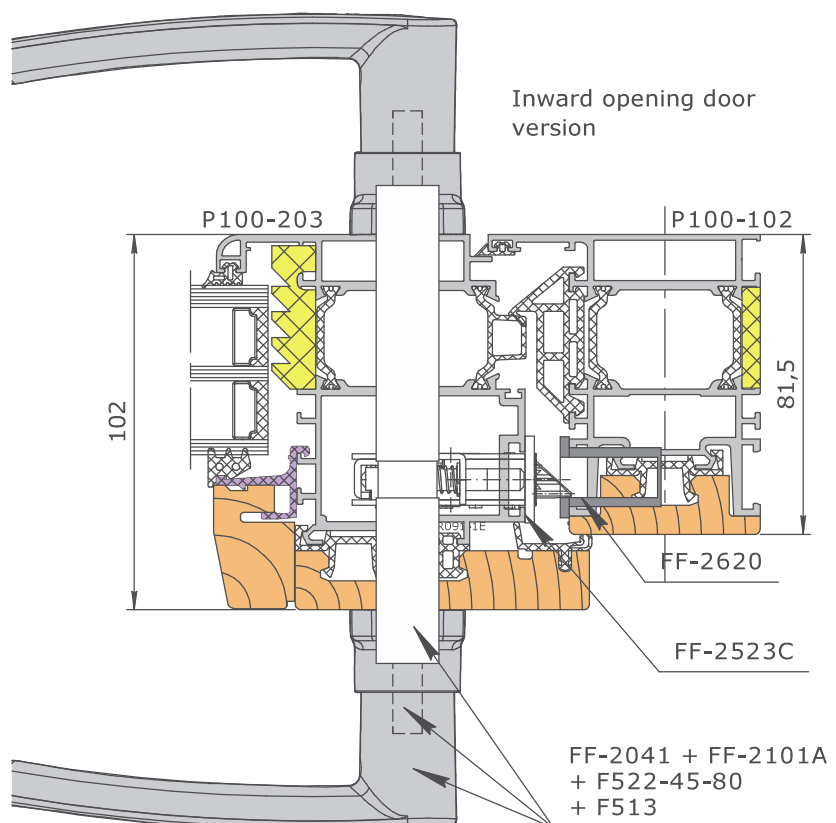
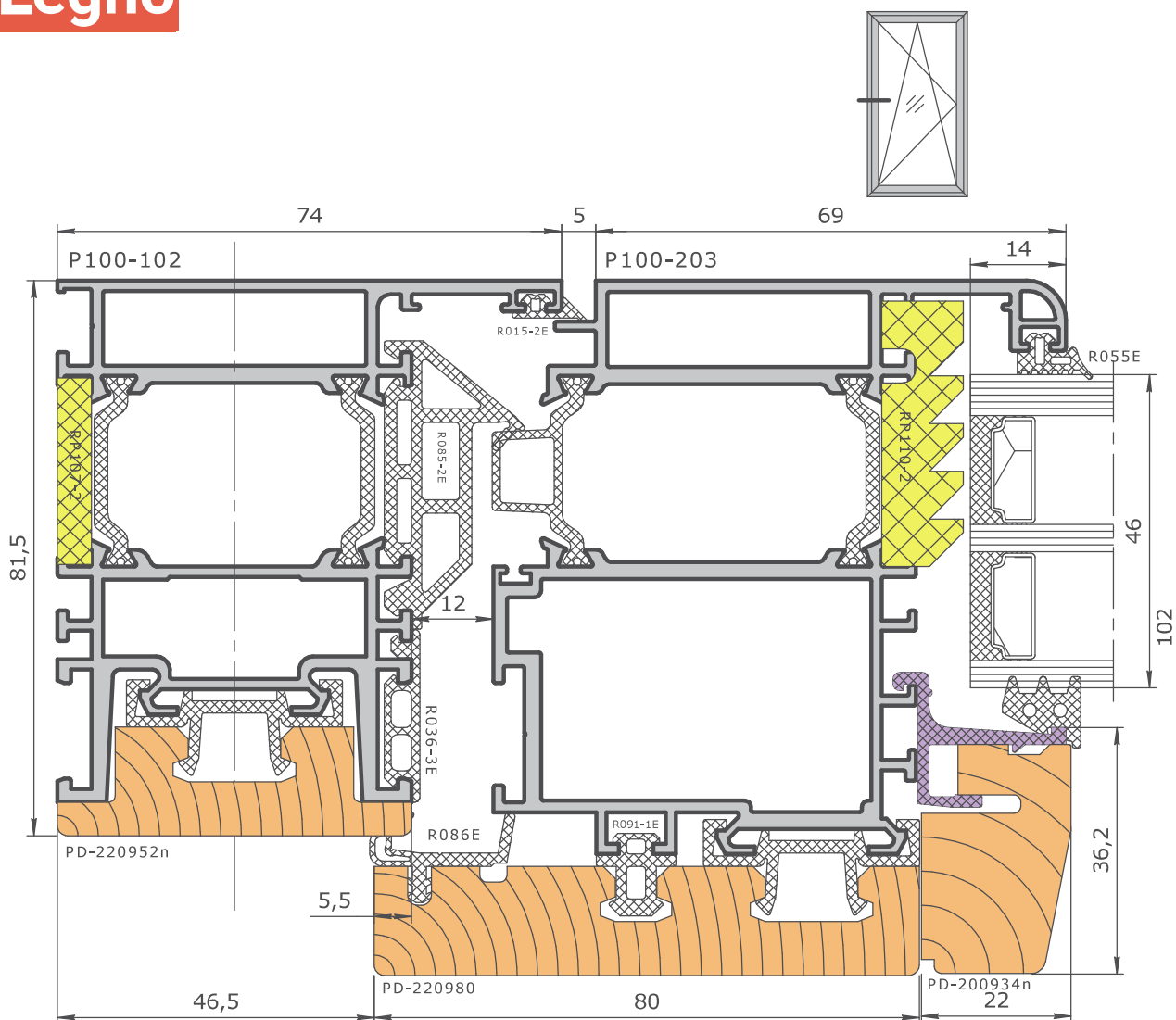
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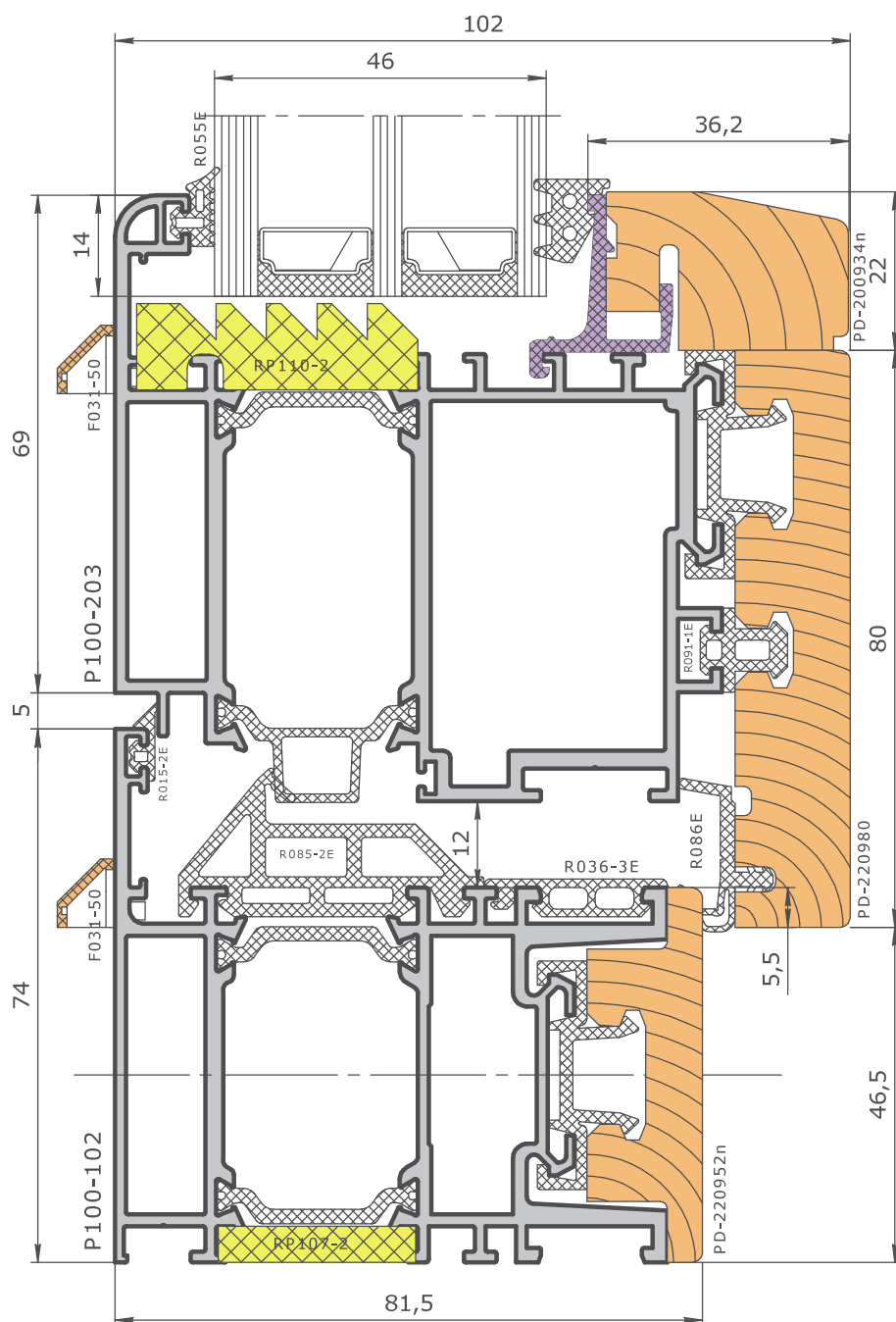
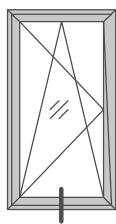


Comfort Standart Series



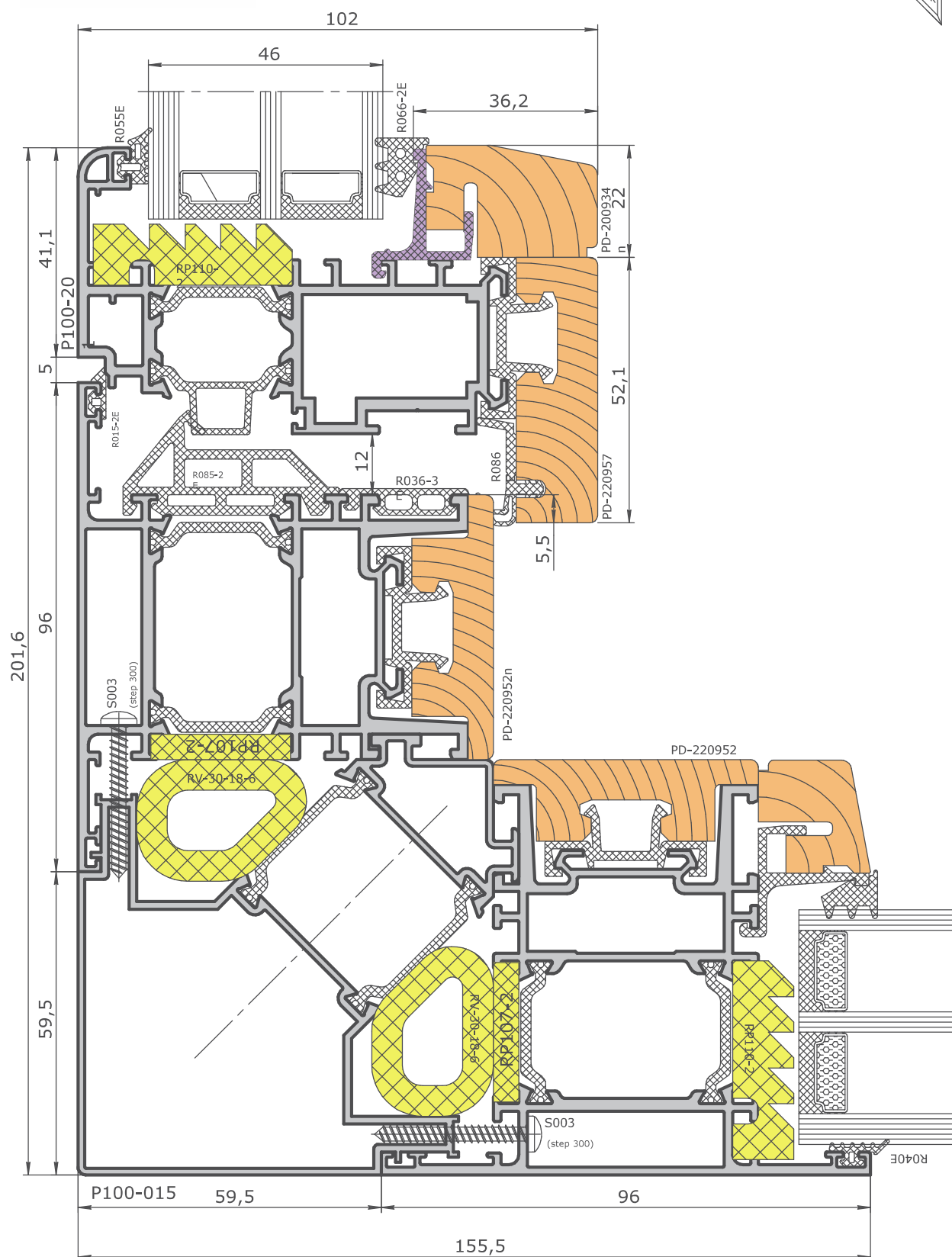
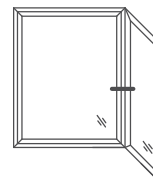
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Comfort Standard Series

pg.
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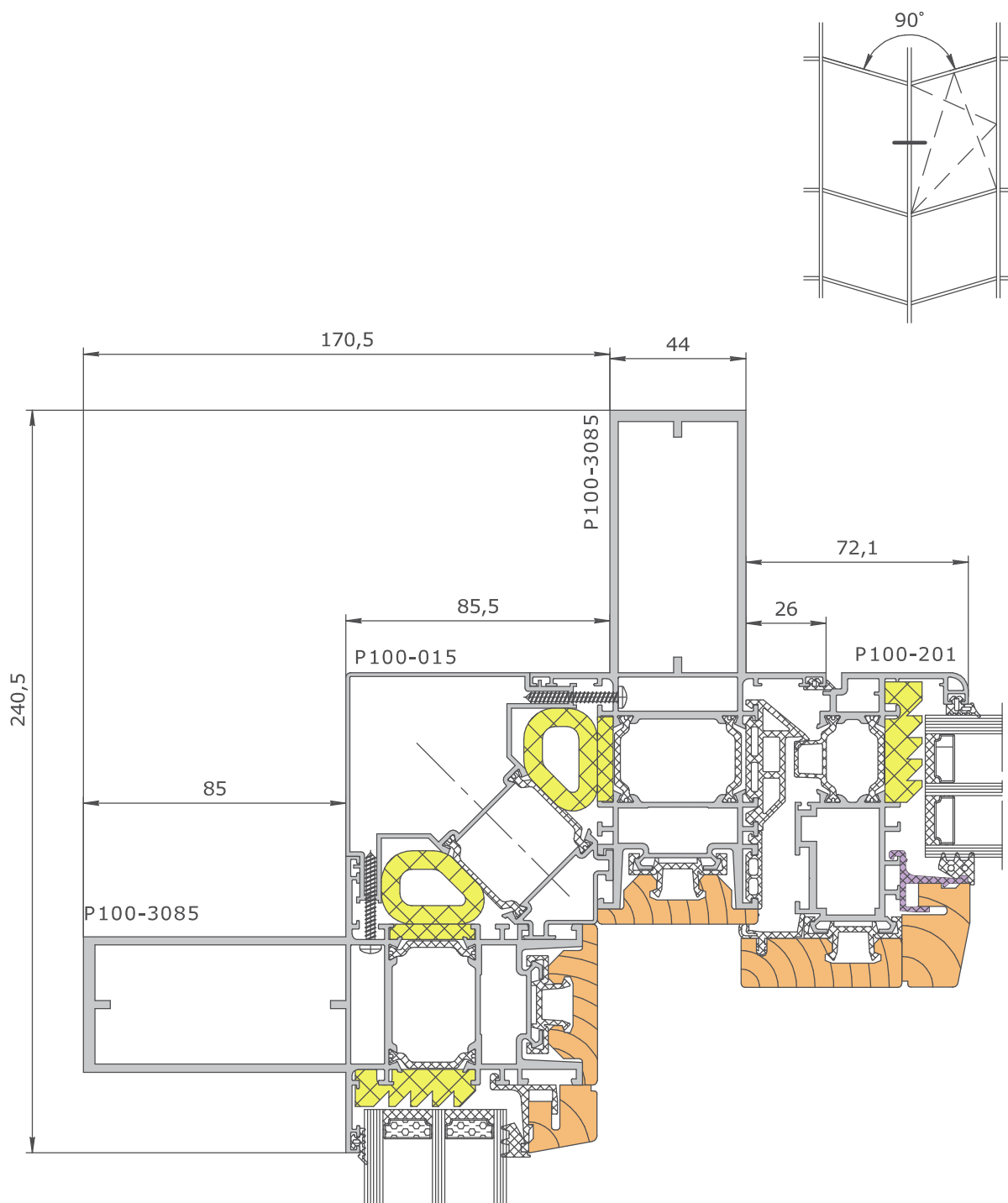


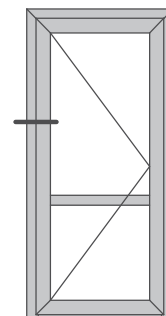


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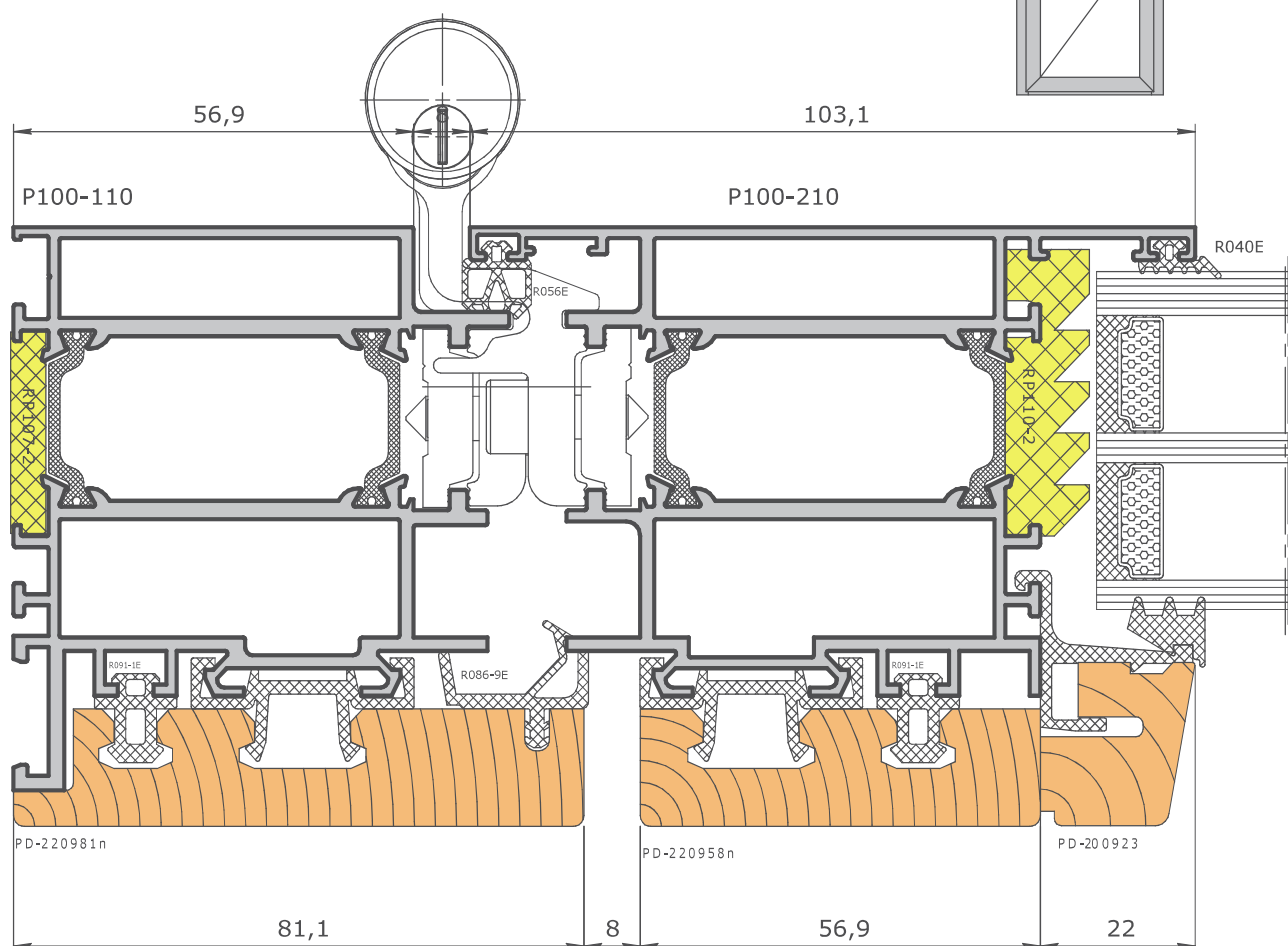
Comfort Standart Series

pg.
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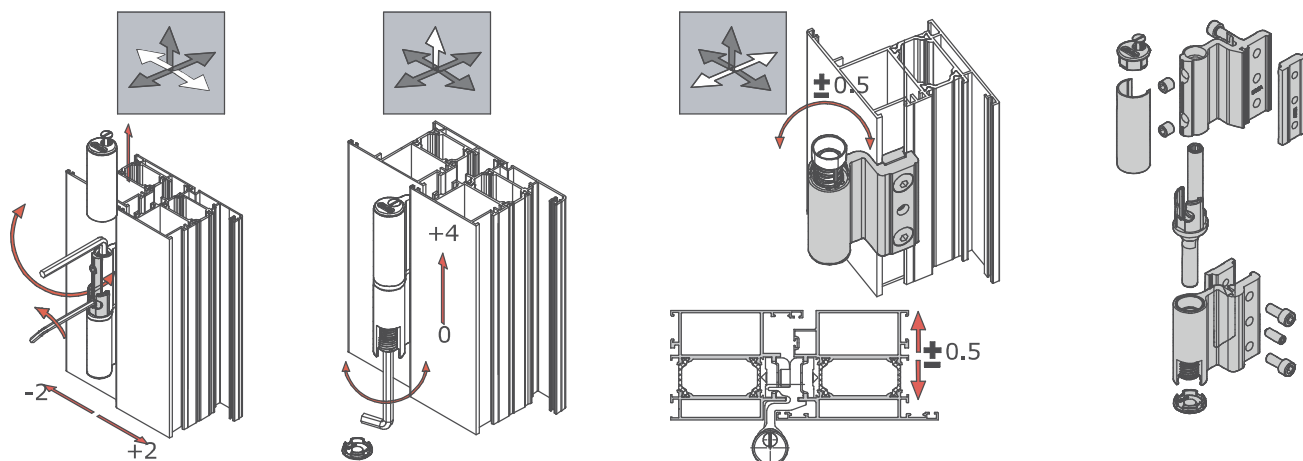




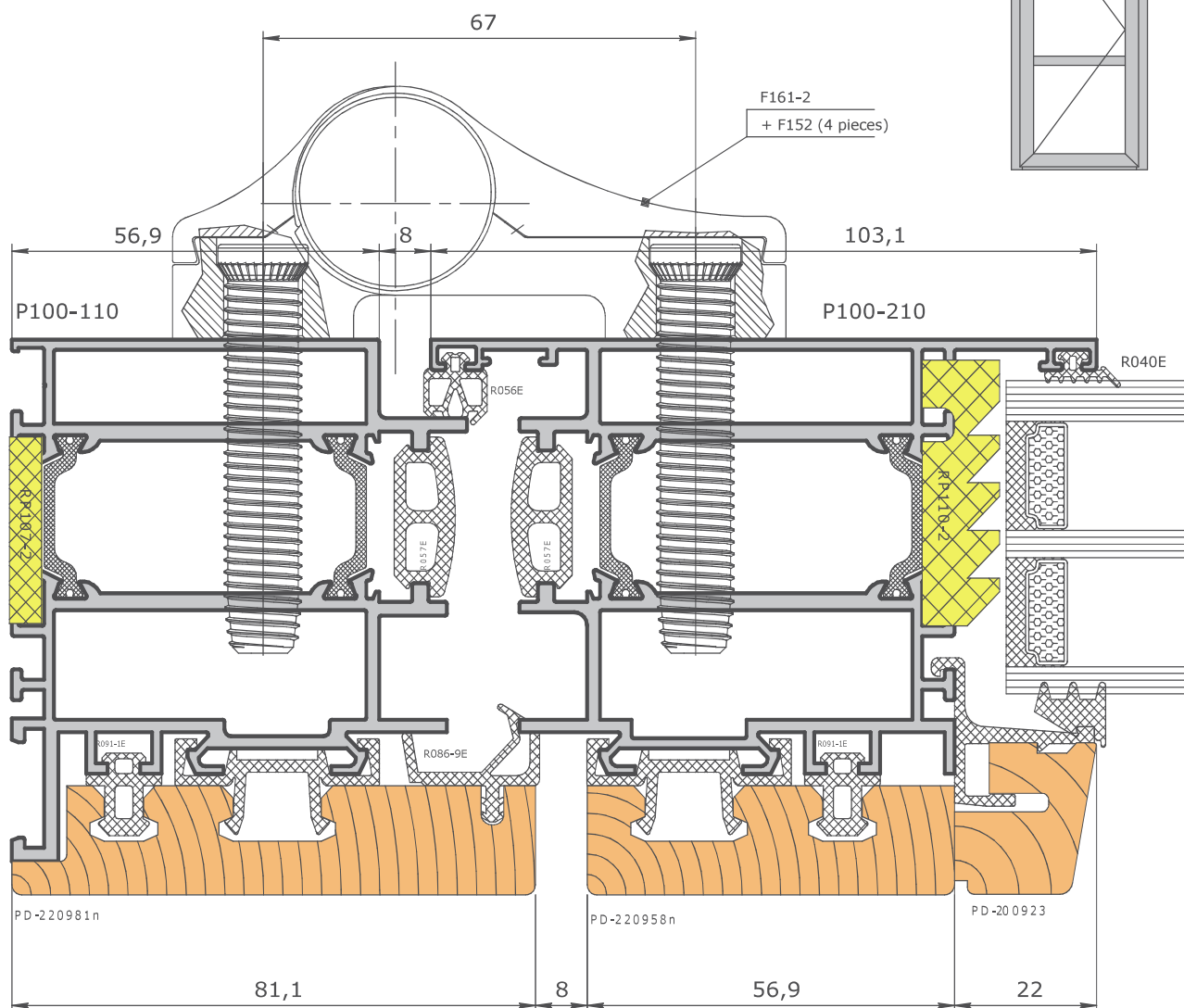
Comfort Standard Series



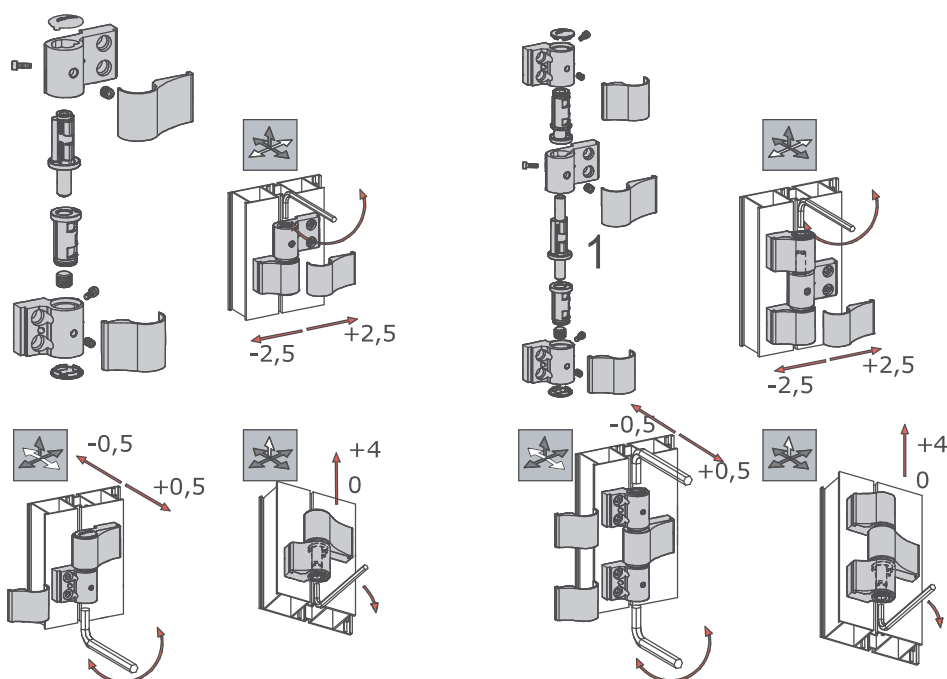
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Comfort Standart Series



pg.
1.19



Comfort Standart Series

стр.
1.20



Comfort Standart Series

стр.
1.21



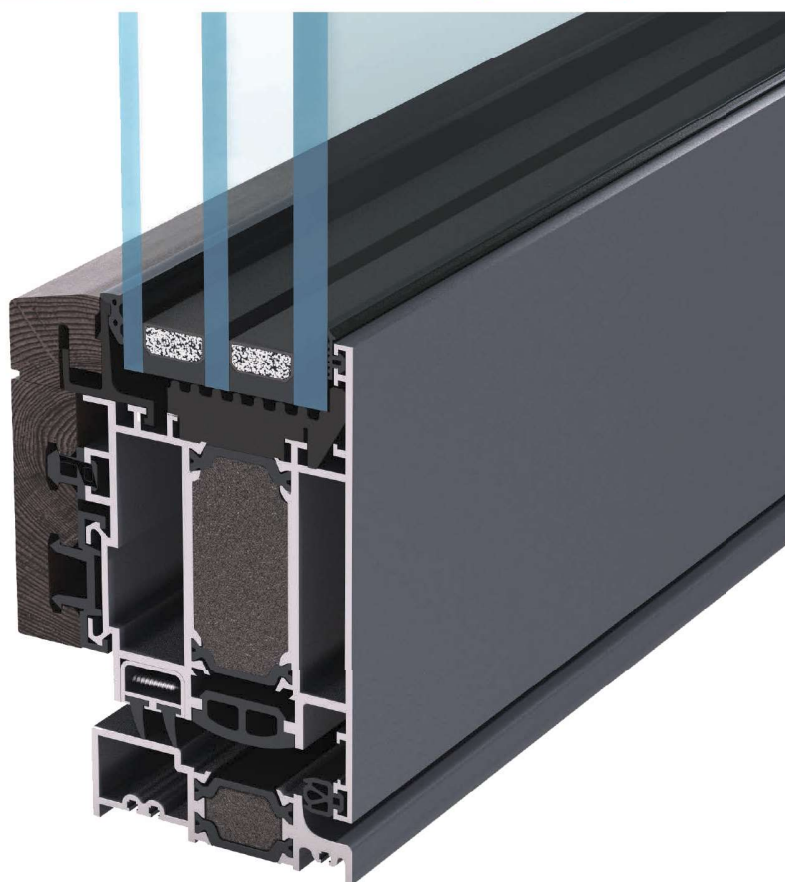
Comfort Standart Series

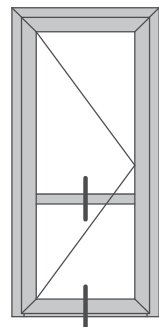
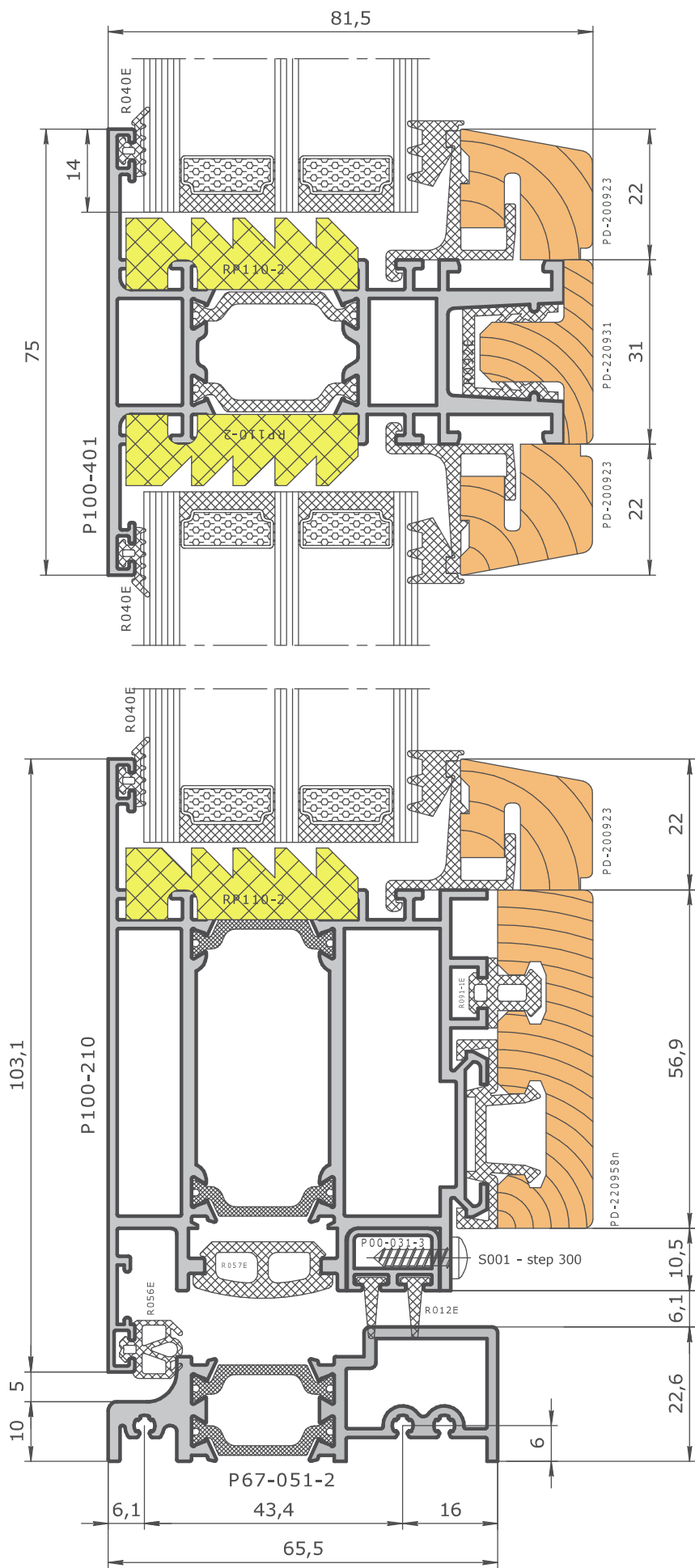
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Comfort Standart Series

стр.
1.23





Comfort Standard Series

Comfort Classic Series

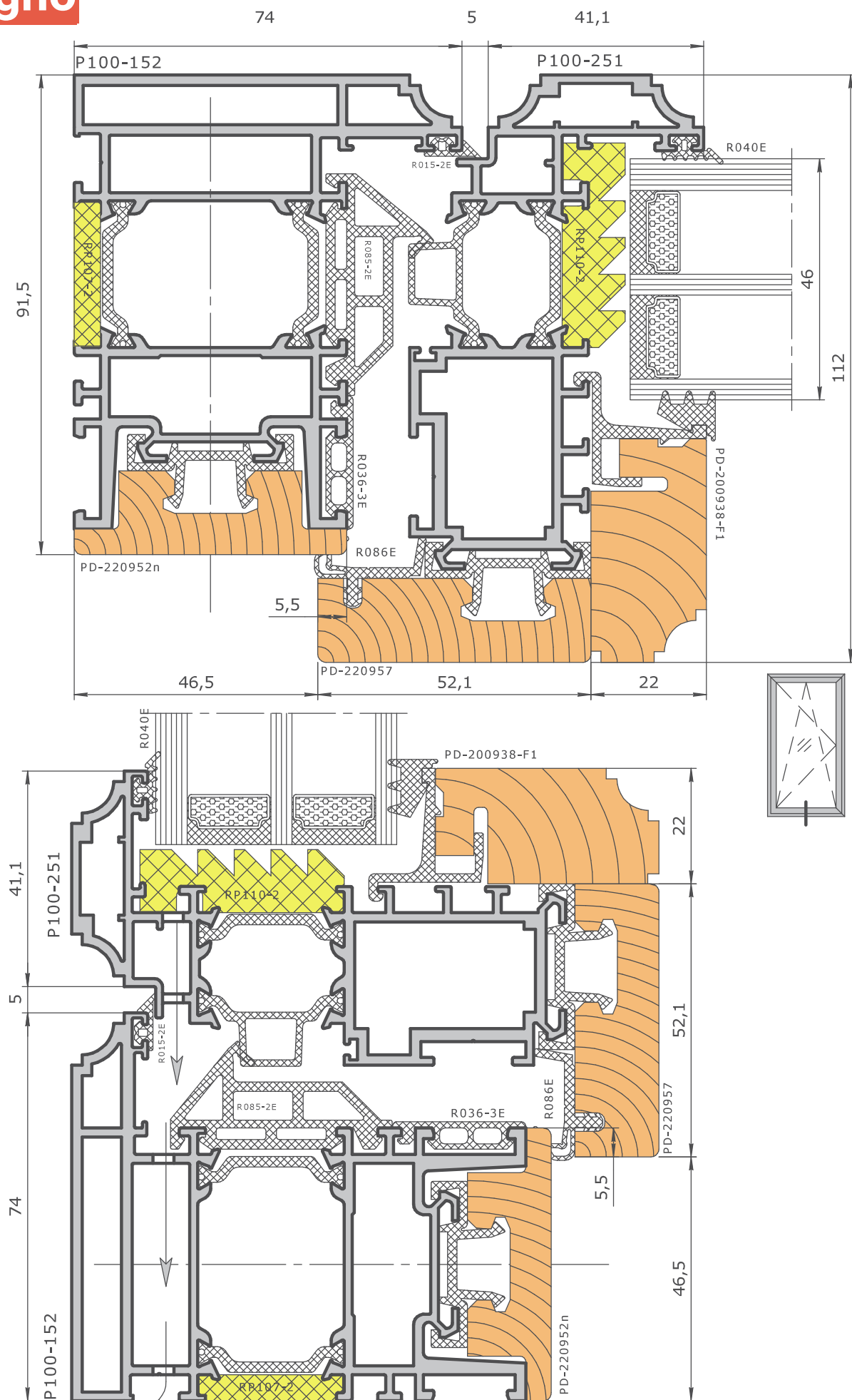
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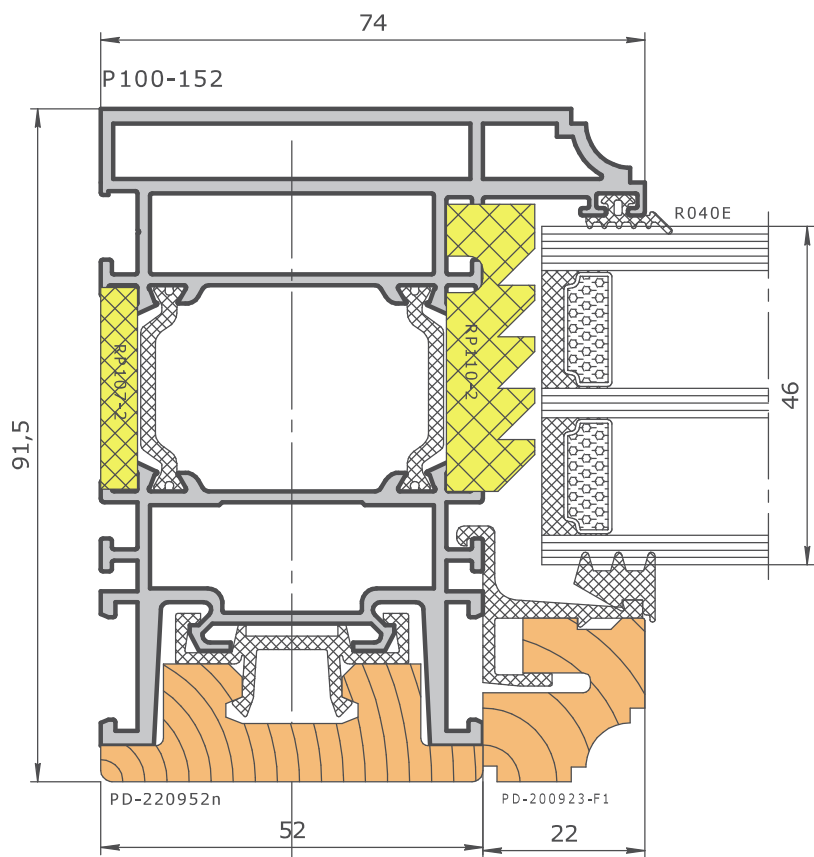


Comfort Classic Series

pg.
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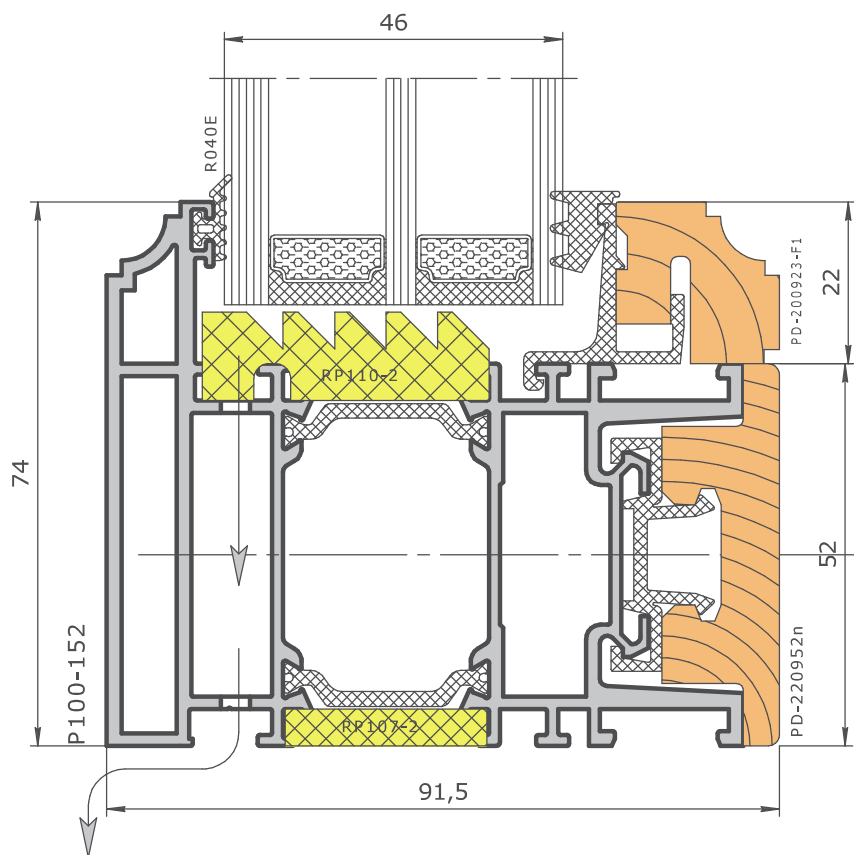






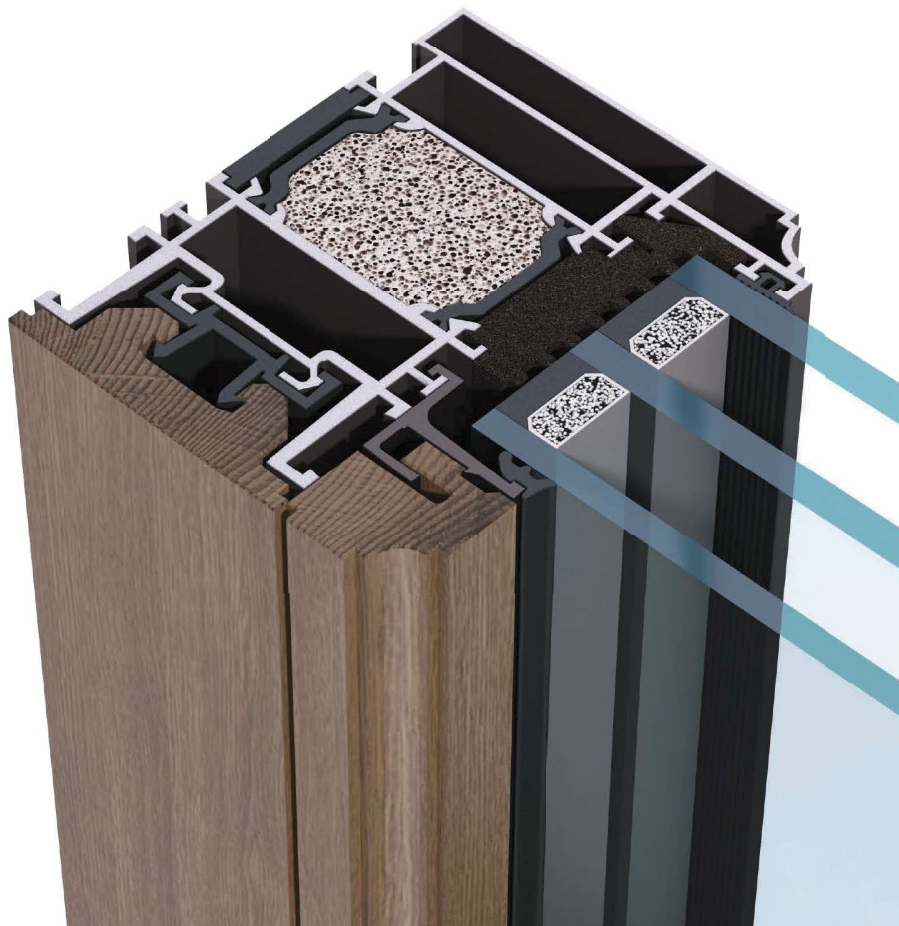
Comfort Classic Series

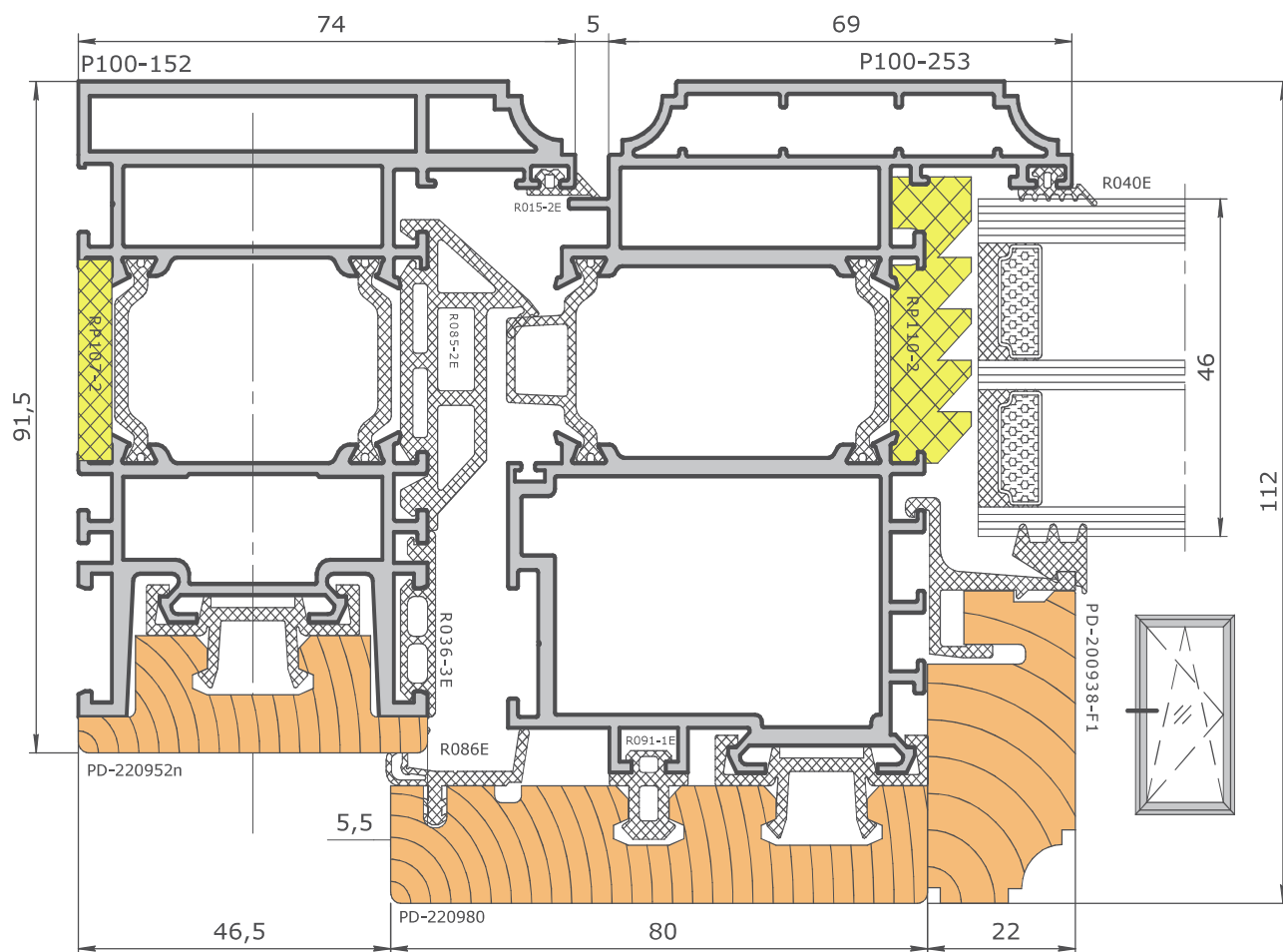
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Comfort Classic Series

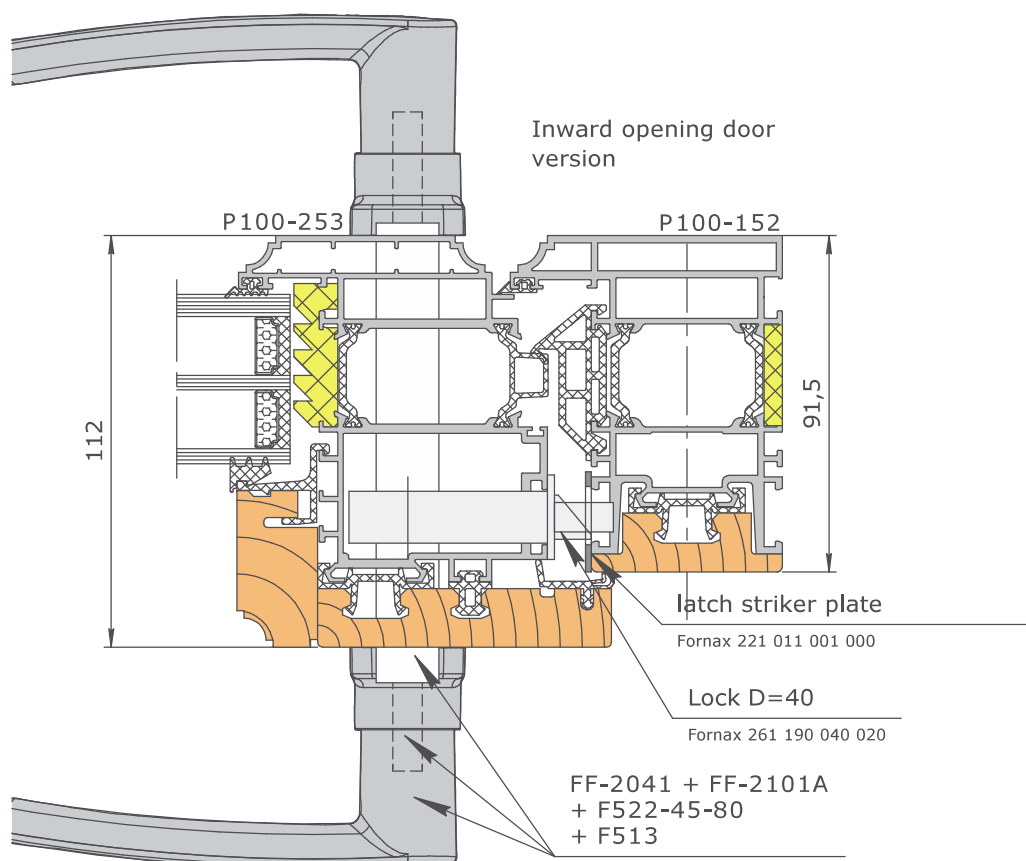
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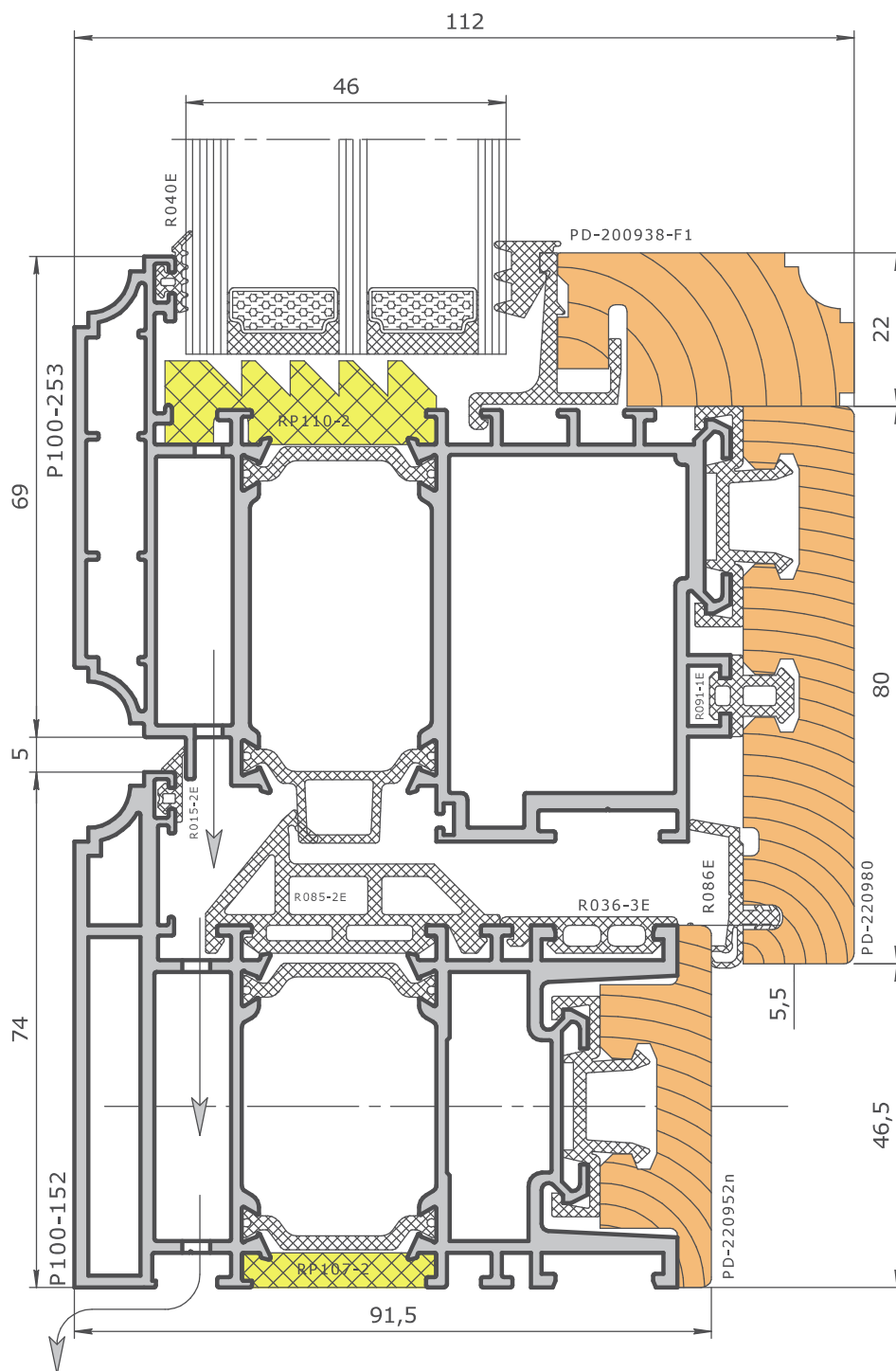
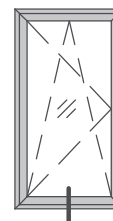
Comfort Classic Series

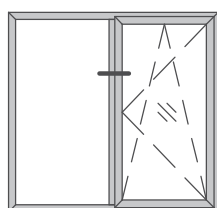
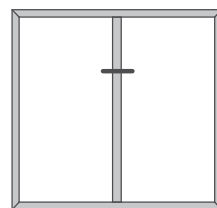
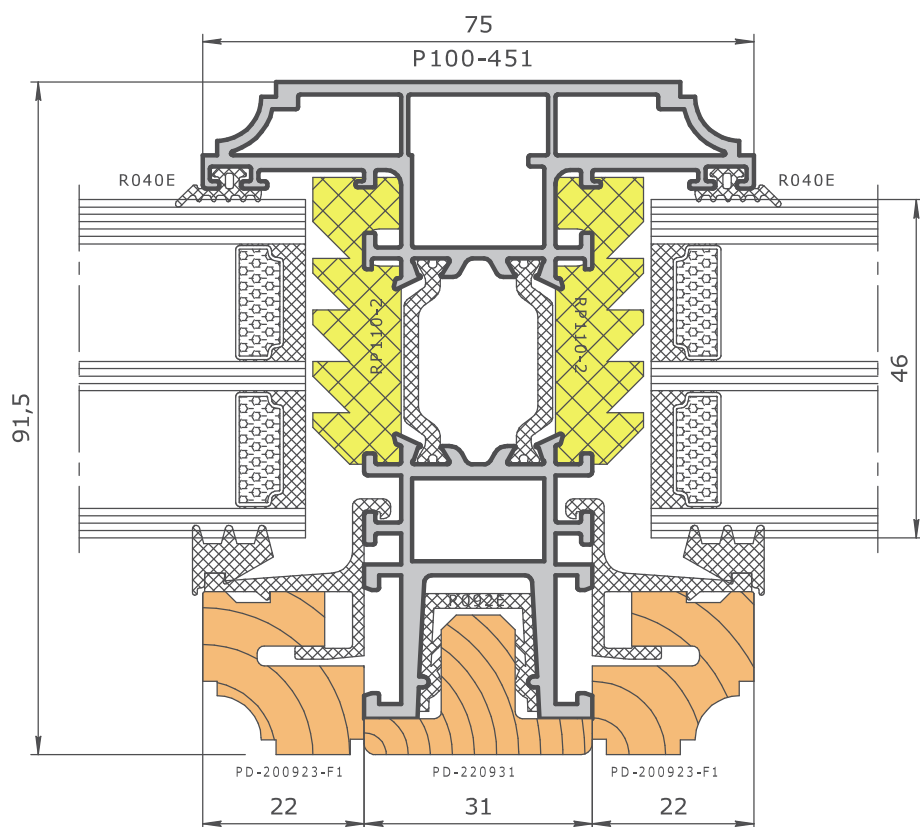
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Comfort Classic Series

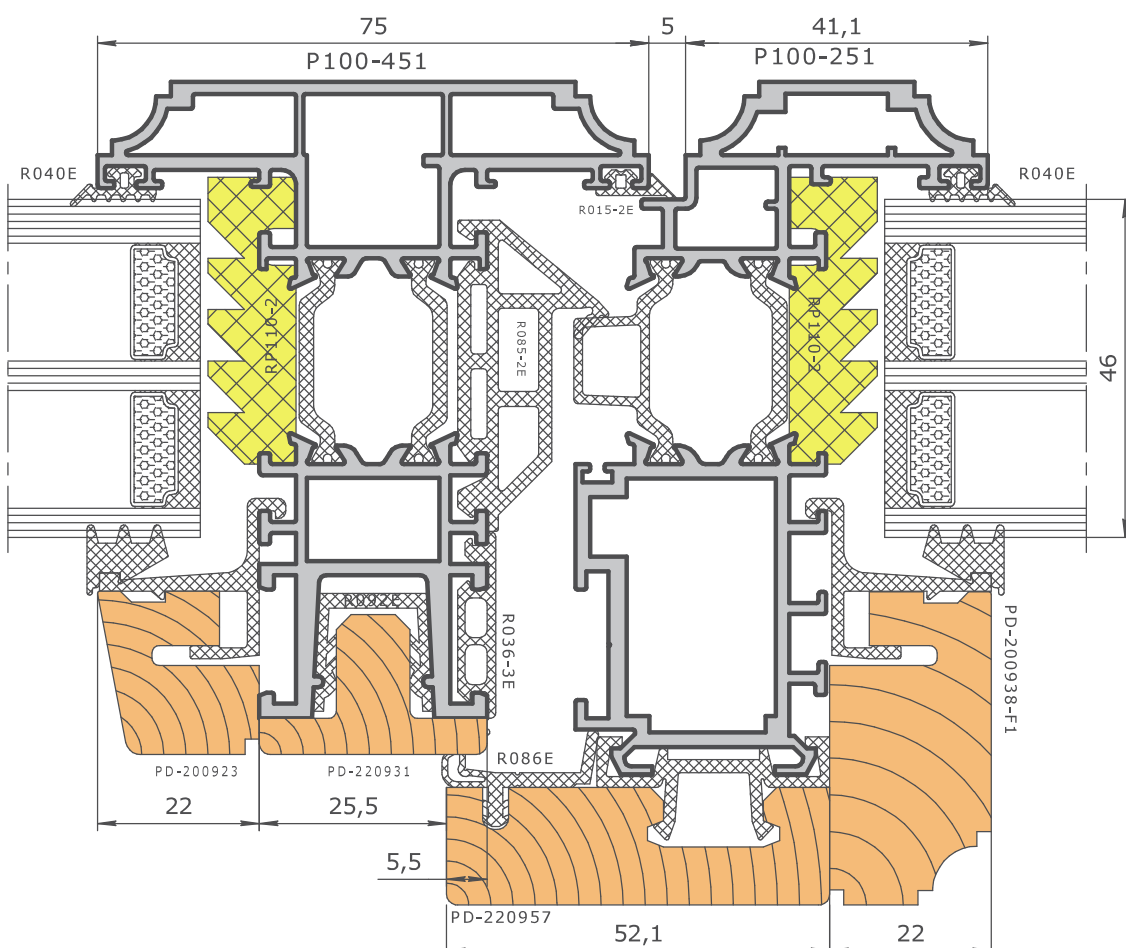
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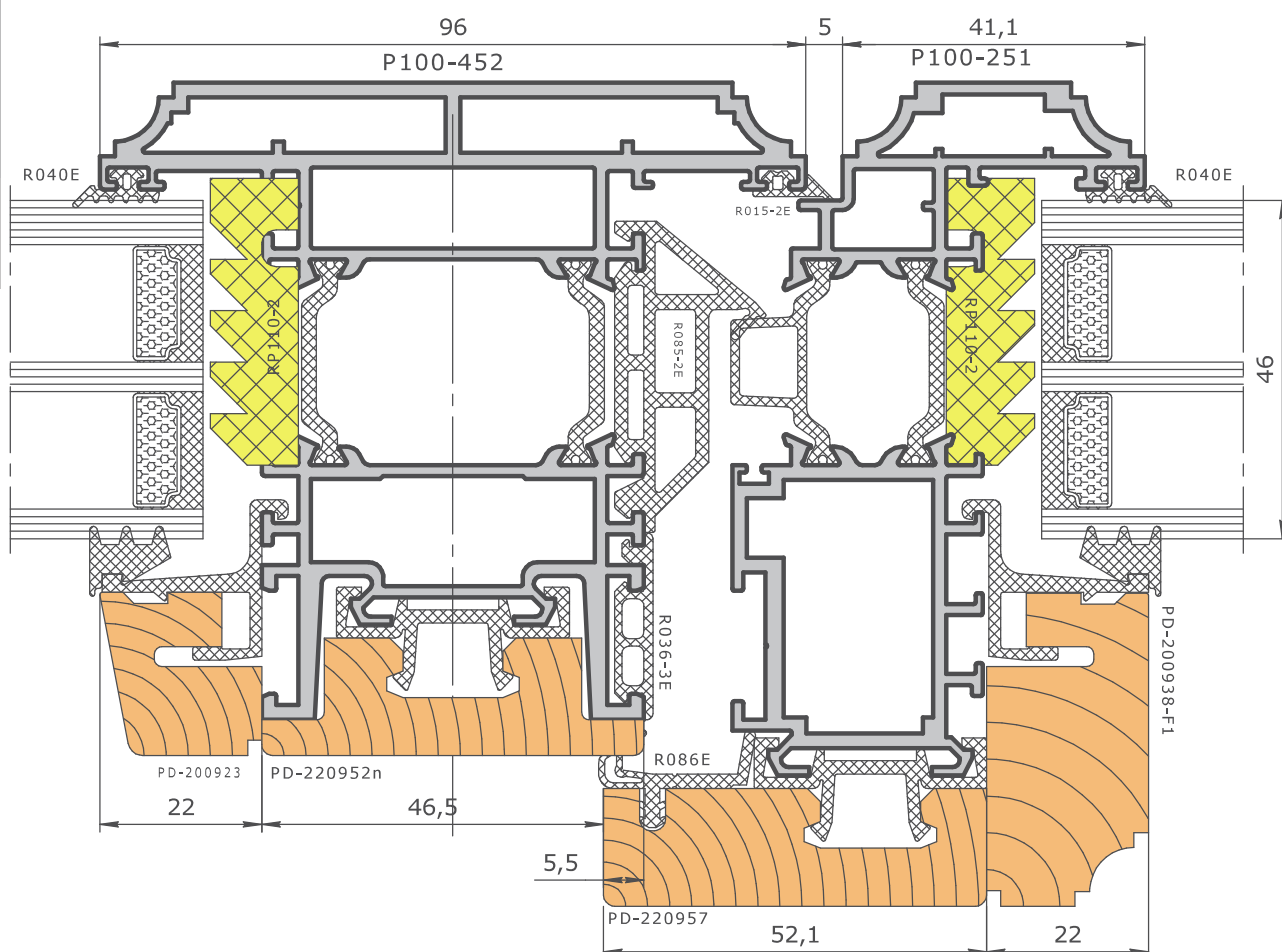
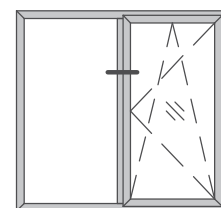
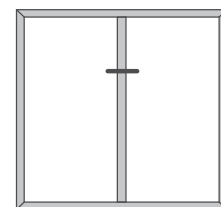
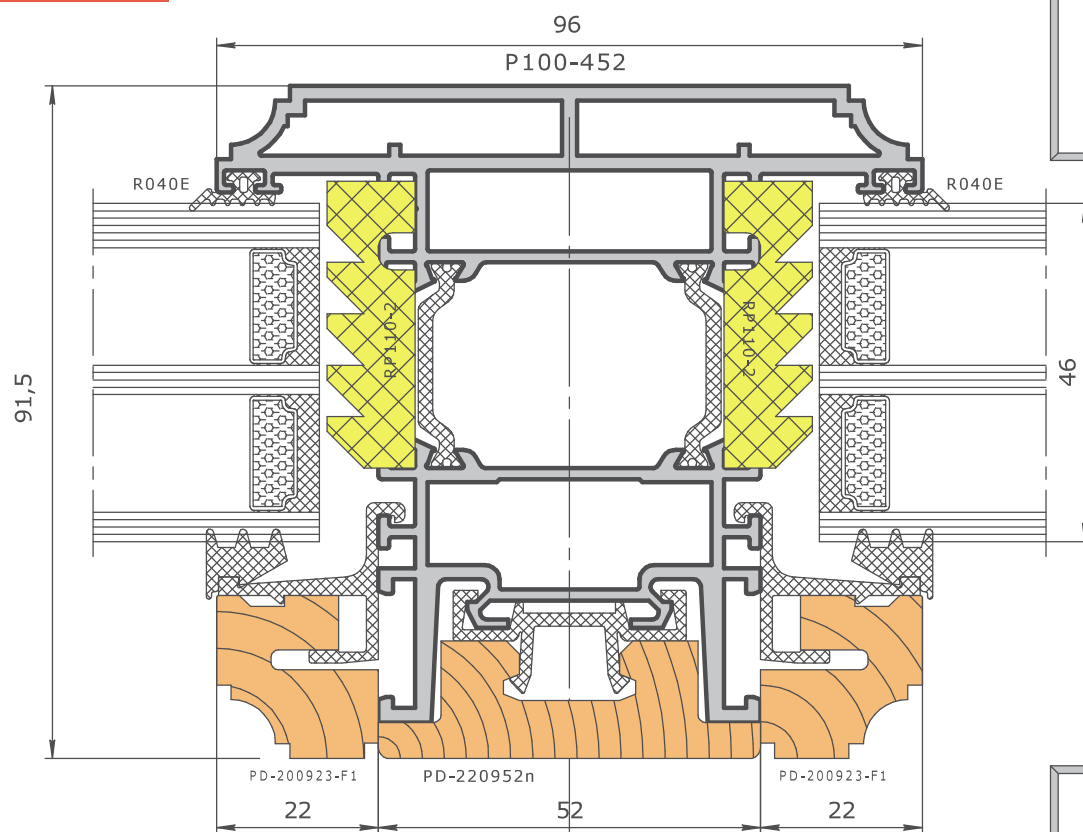


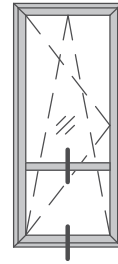
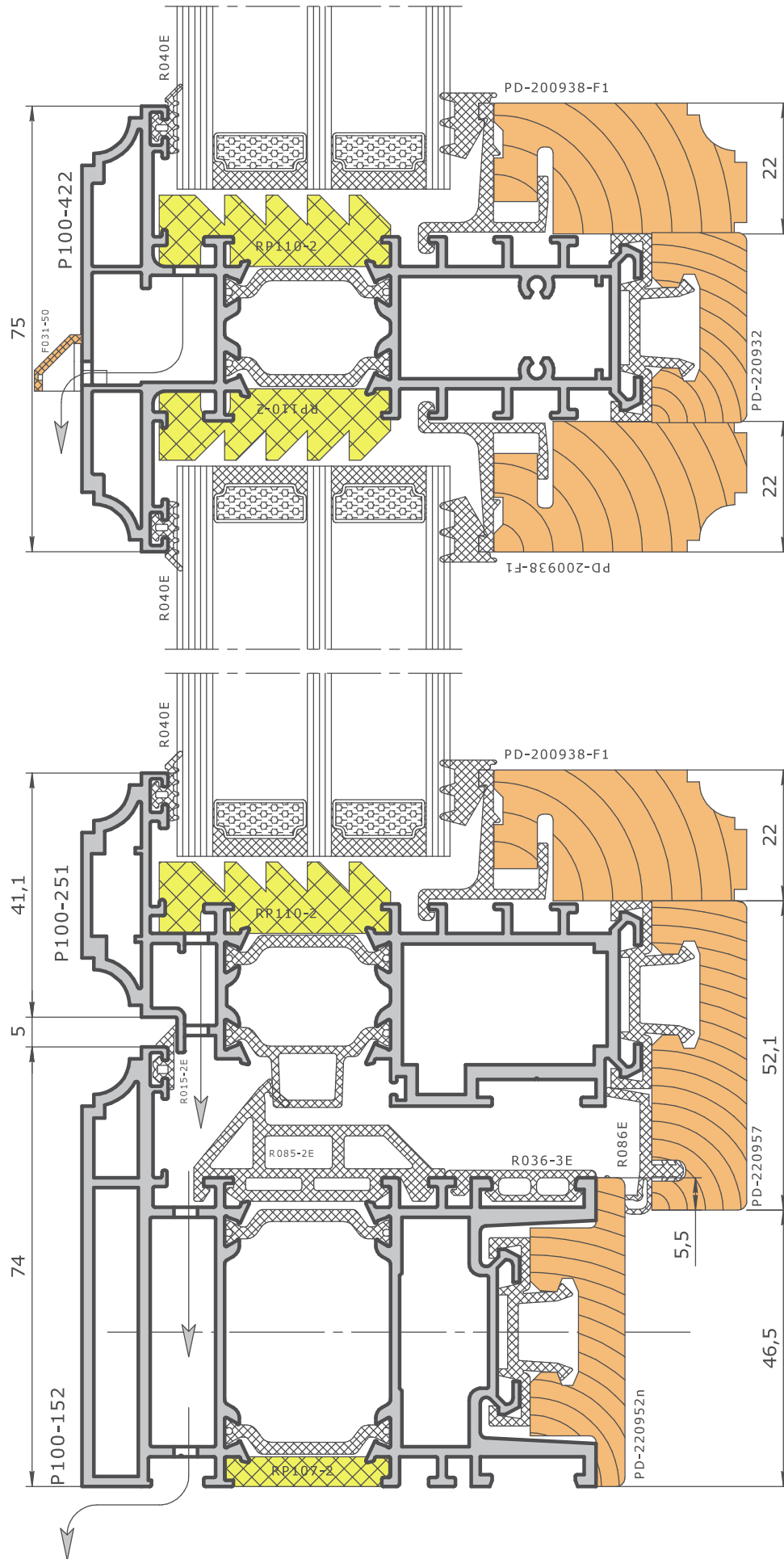


Comfort Classic Series

pg.
2.08







Comfort Classic Series

pg.
2.10

Comfort Classic Series

pg.
2.11

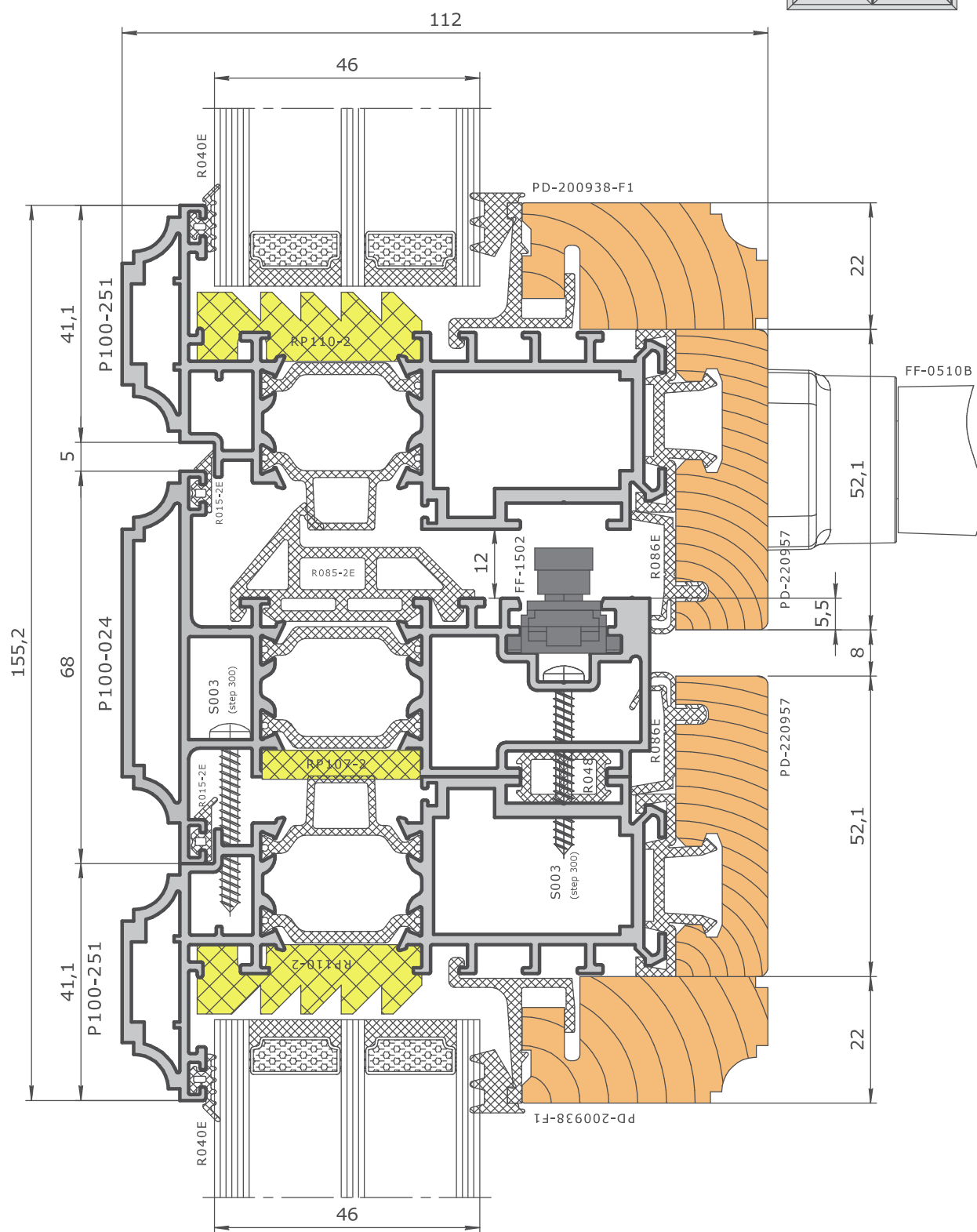




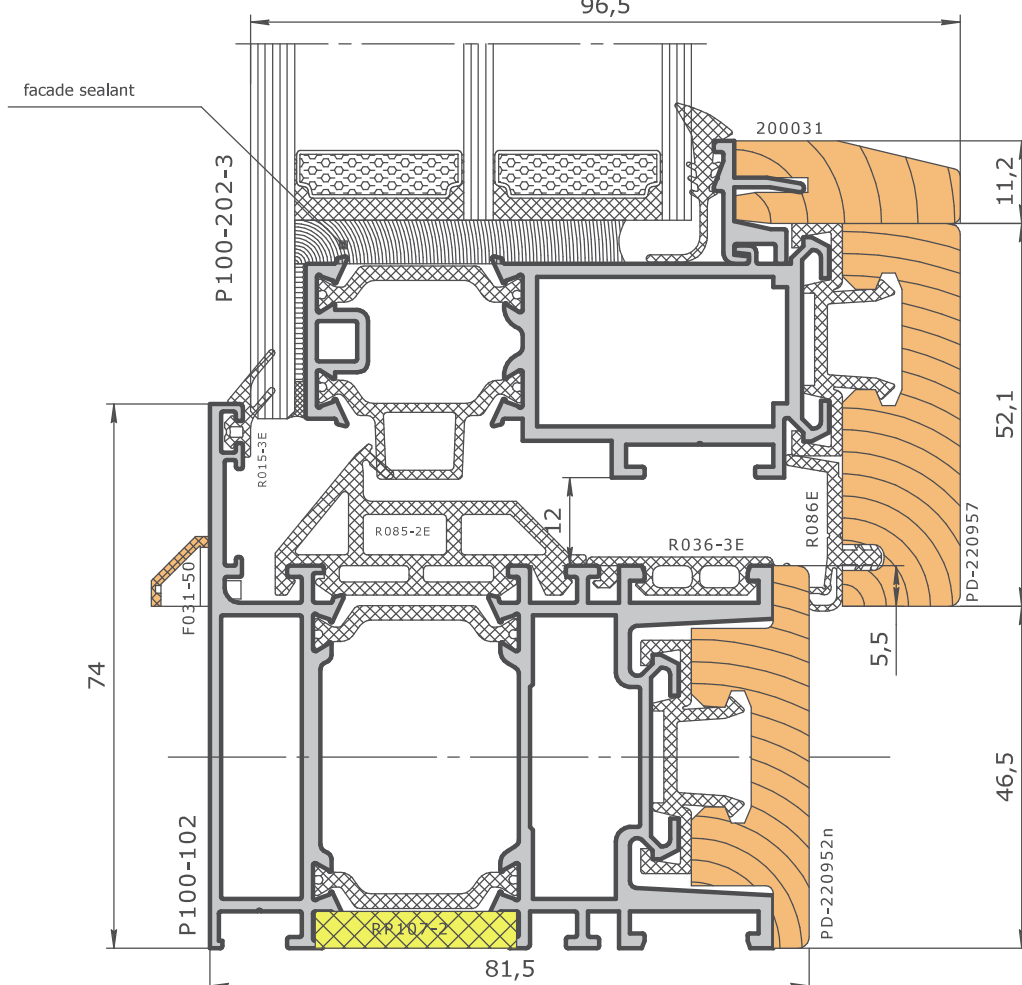
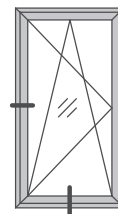
Comfort Classic Series

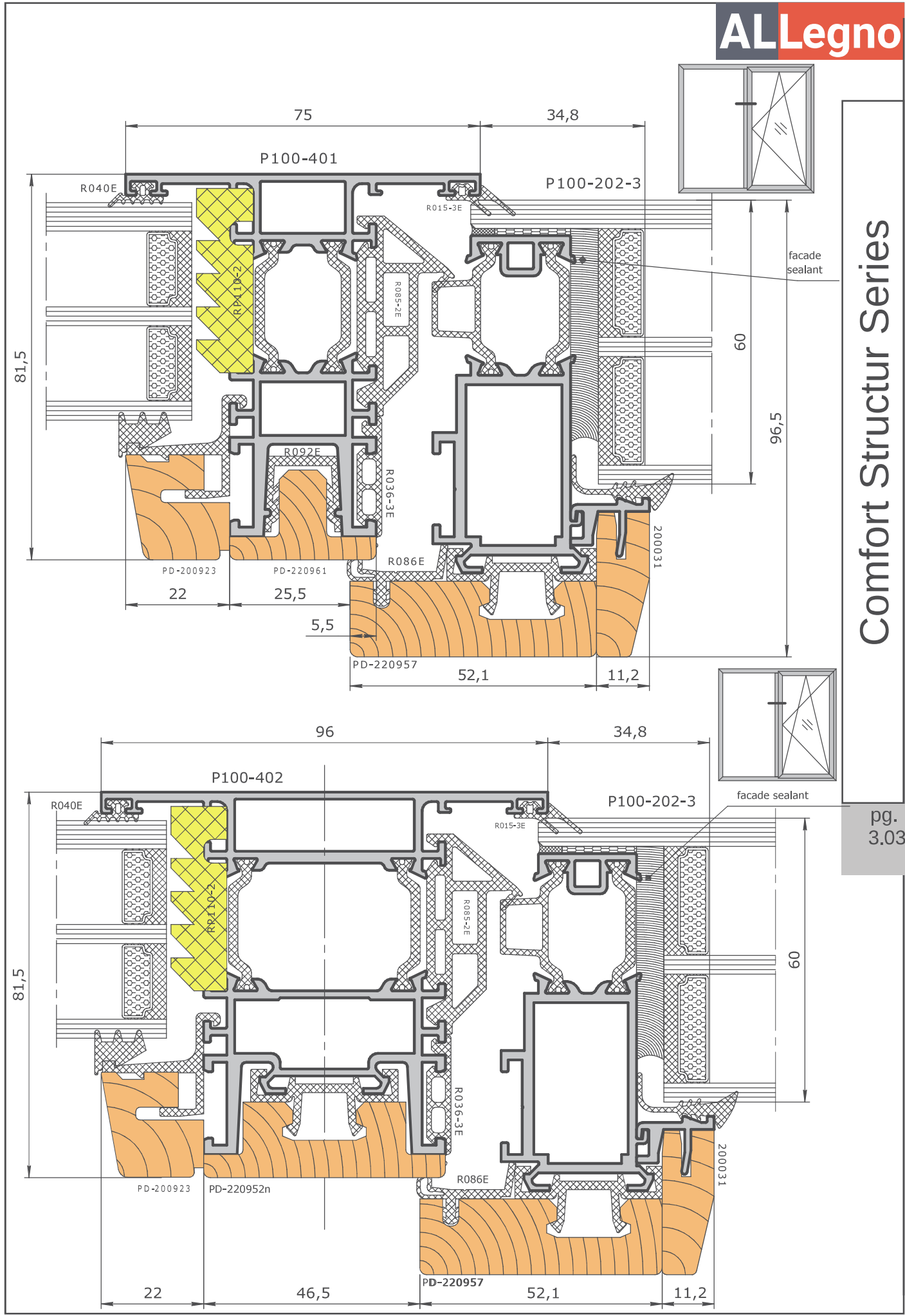
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2.12

Comfort Classic Series

pg.
2.13





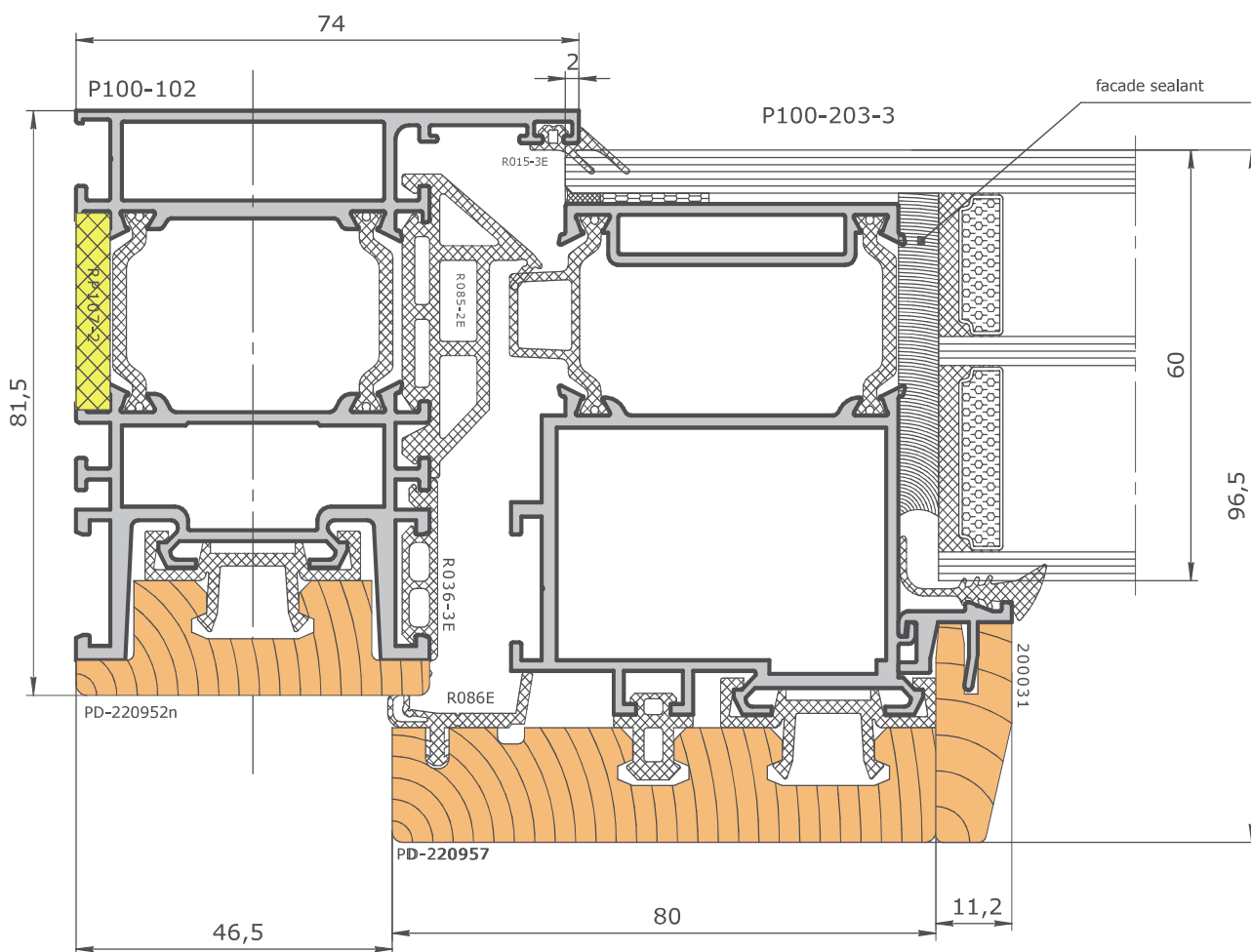


Comfort Structur Series

pg.
3.03

Comfort Structur Series

pg.
3.04



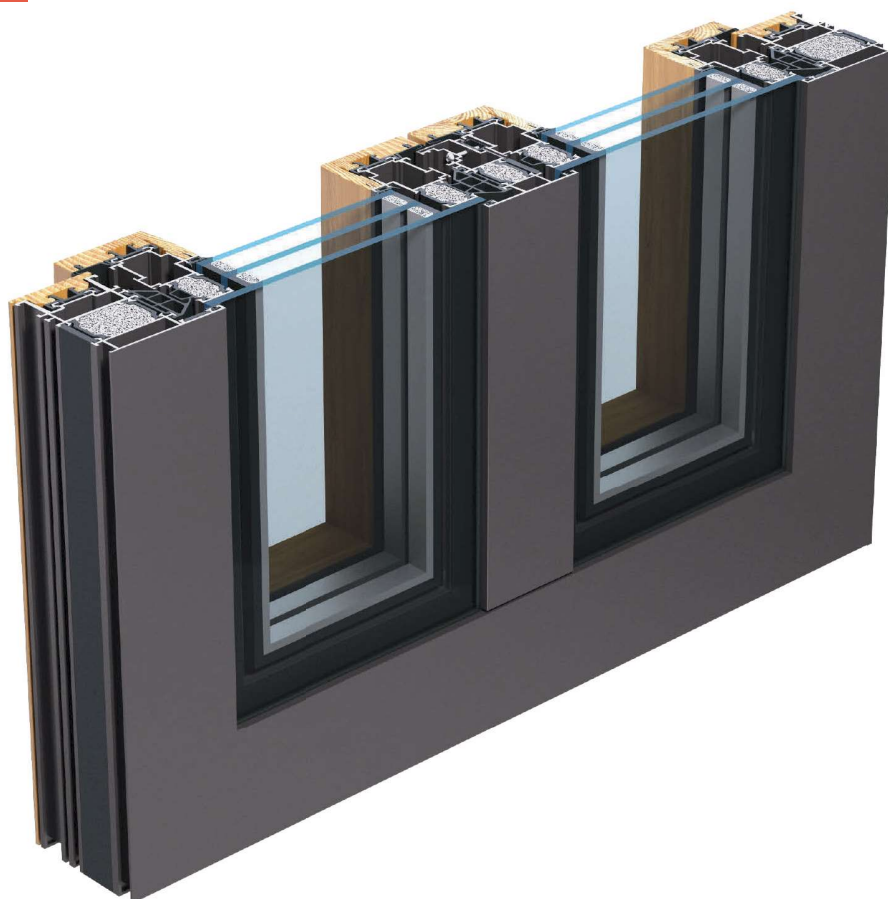
Comfort Structur Series

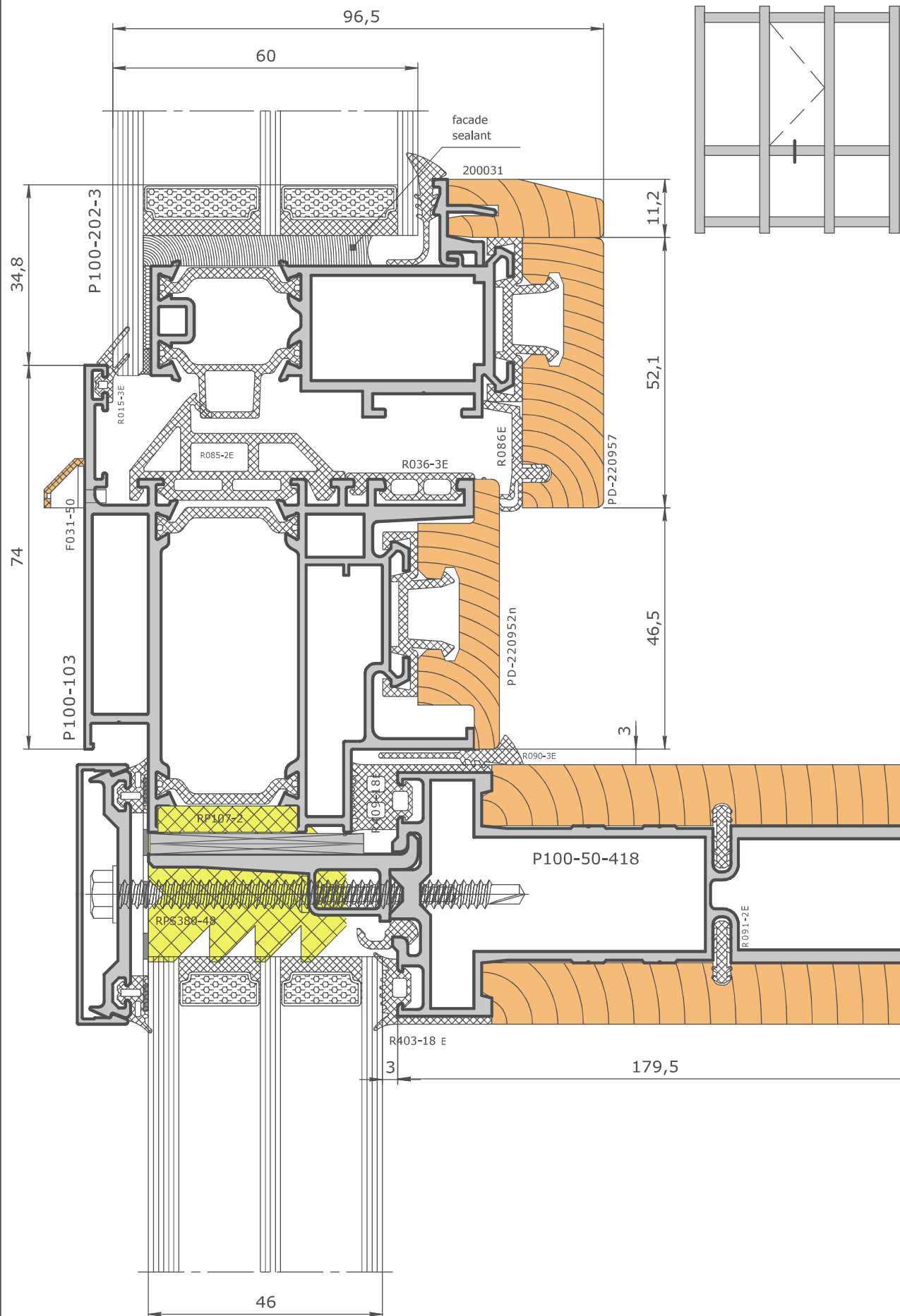


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3.05

Comfort Structur Series

pg.
3.06





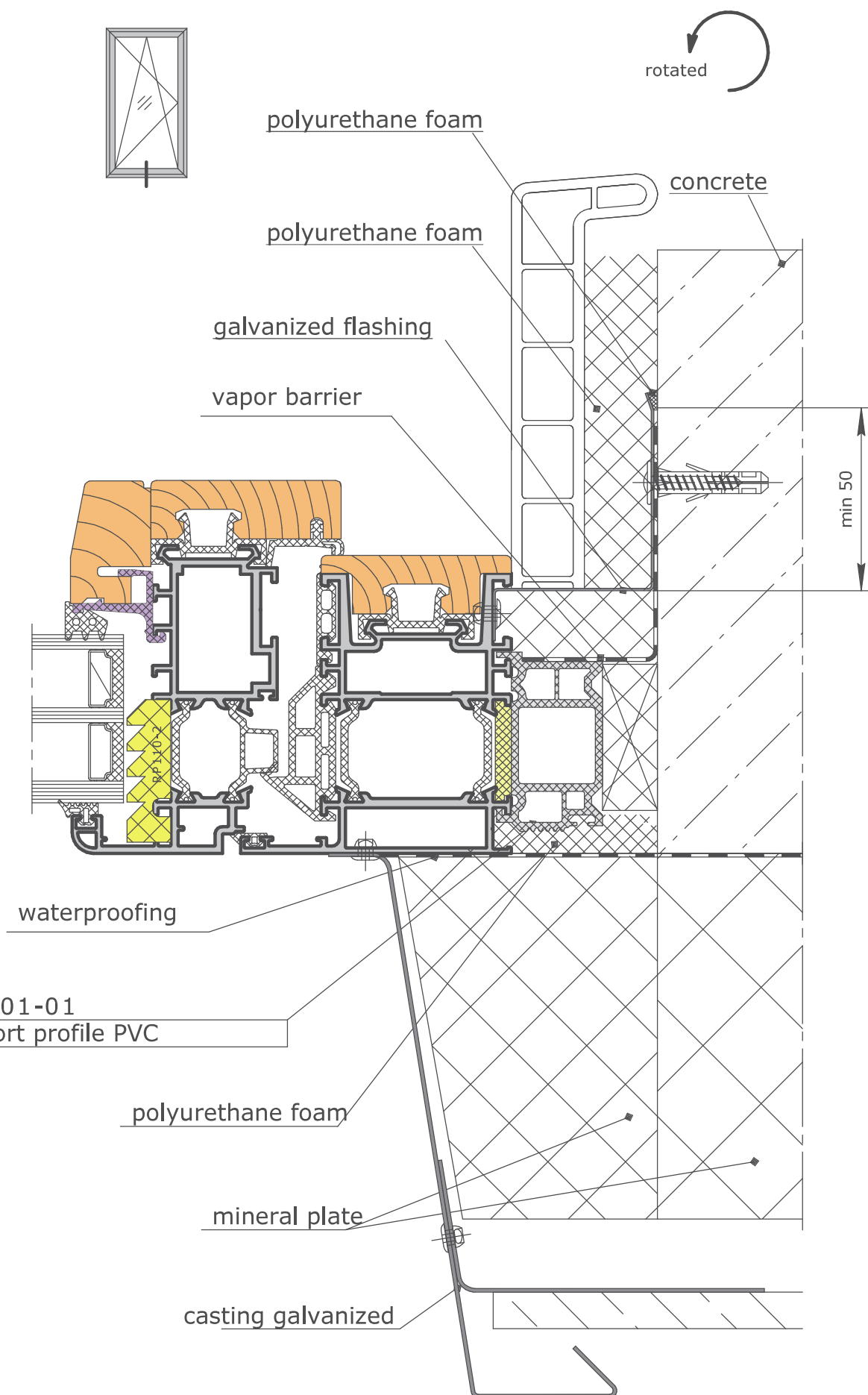
Comfort StructurSeries

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3.07

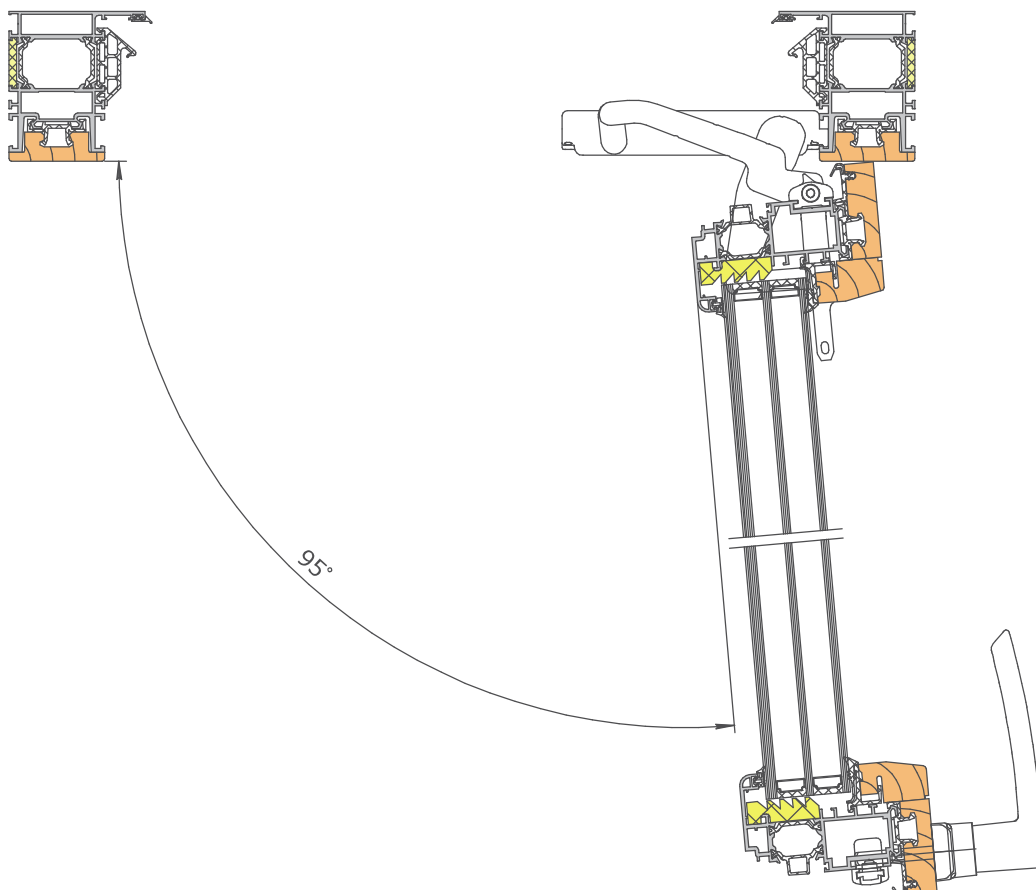
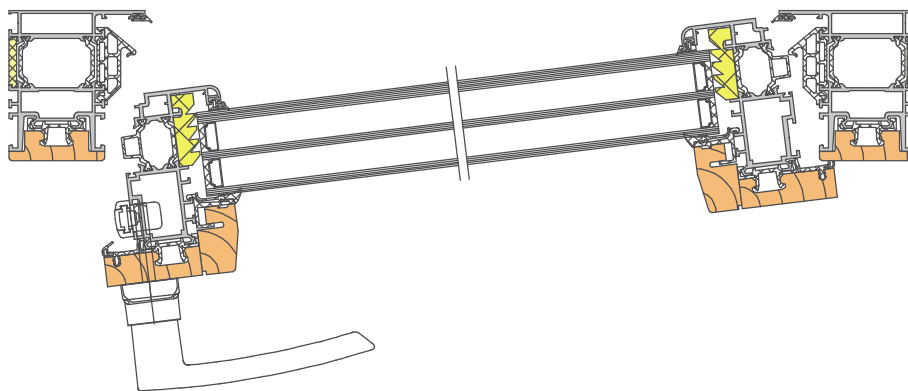
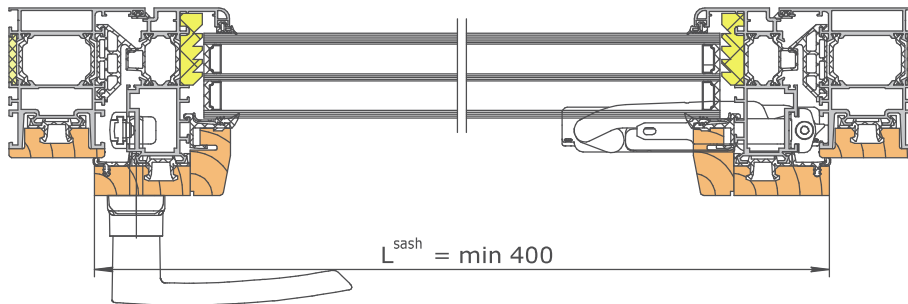
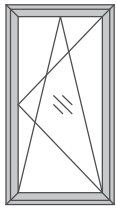
Typical junction

Typical window junction

стр.
3.08



Minimum sash size and
maximum opening angle

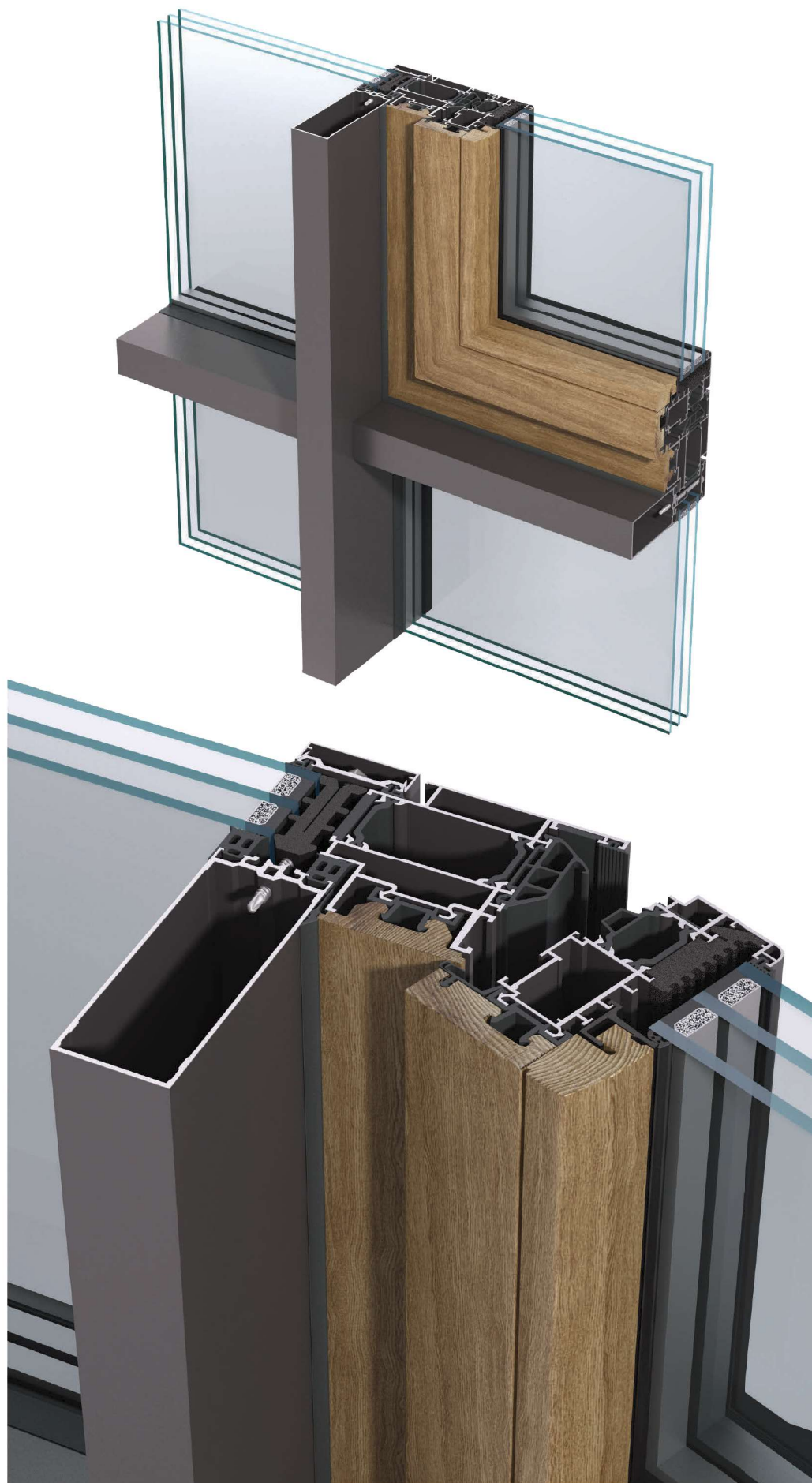


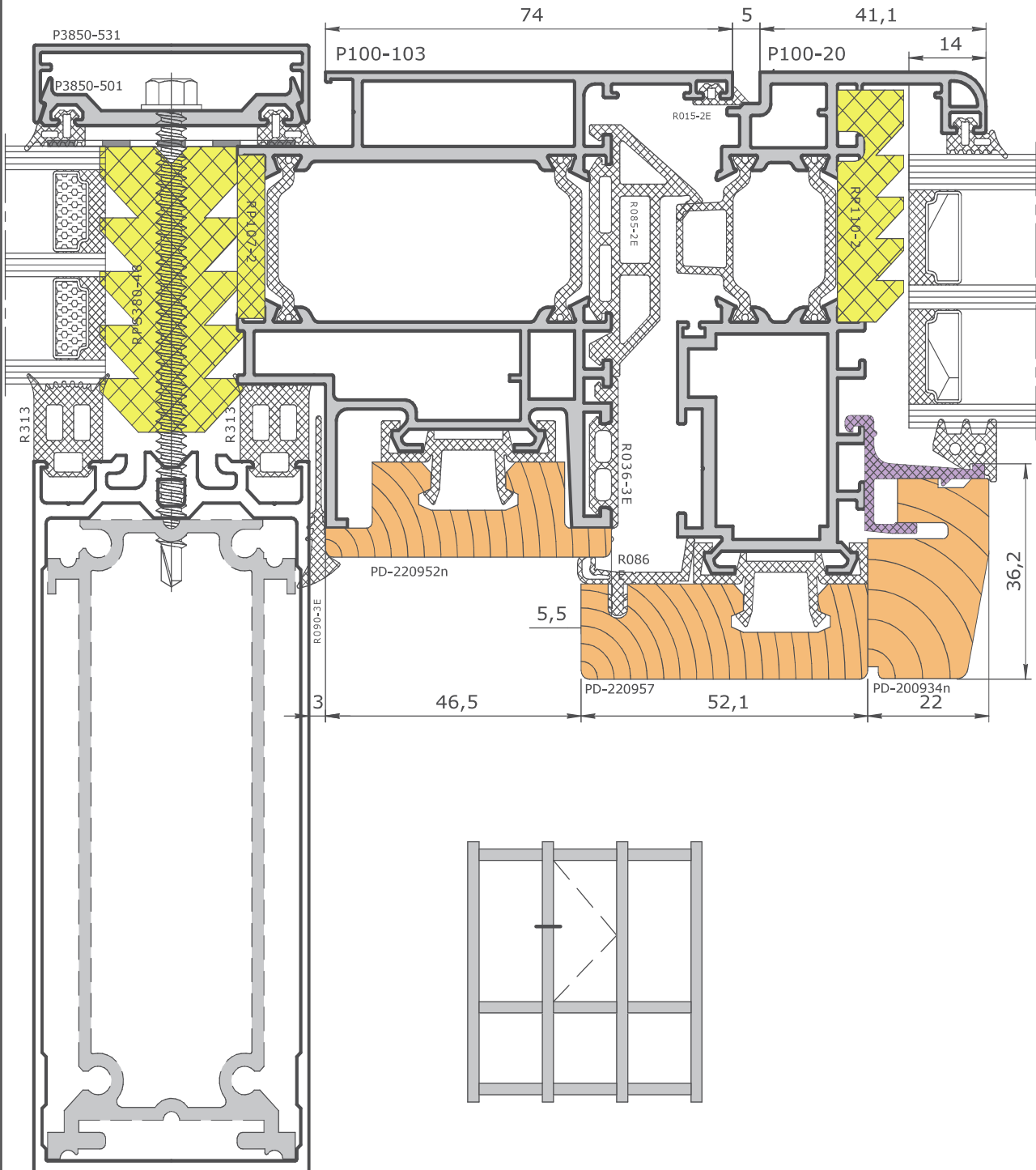
Section

pp.
3.09

Unico Standard Series

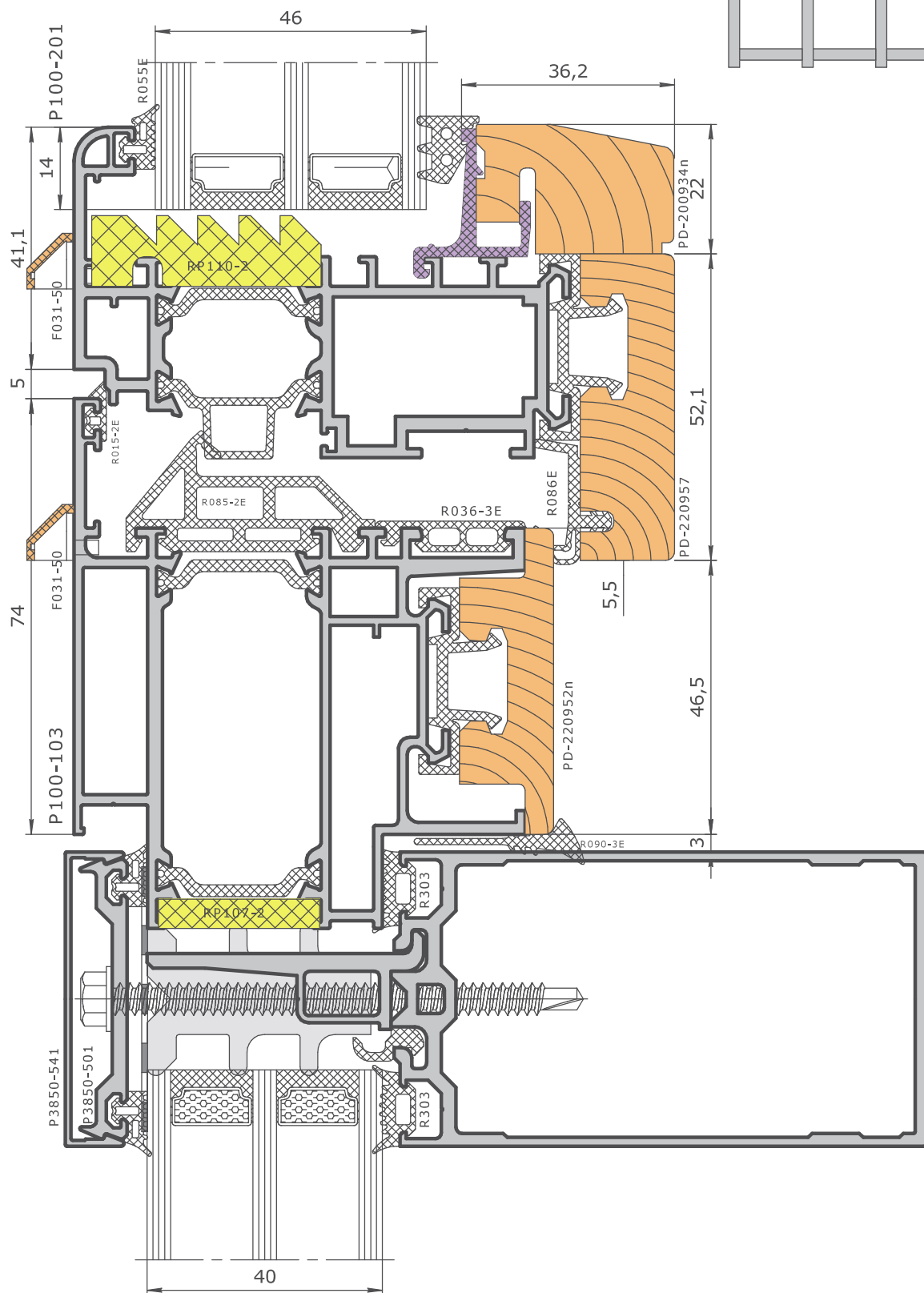
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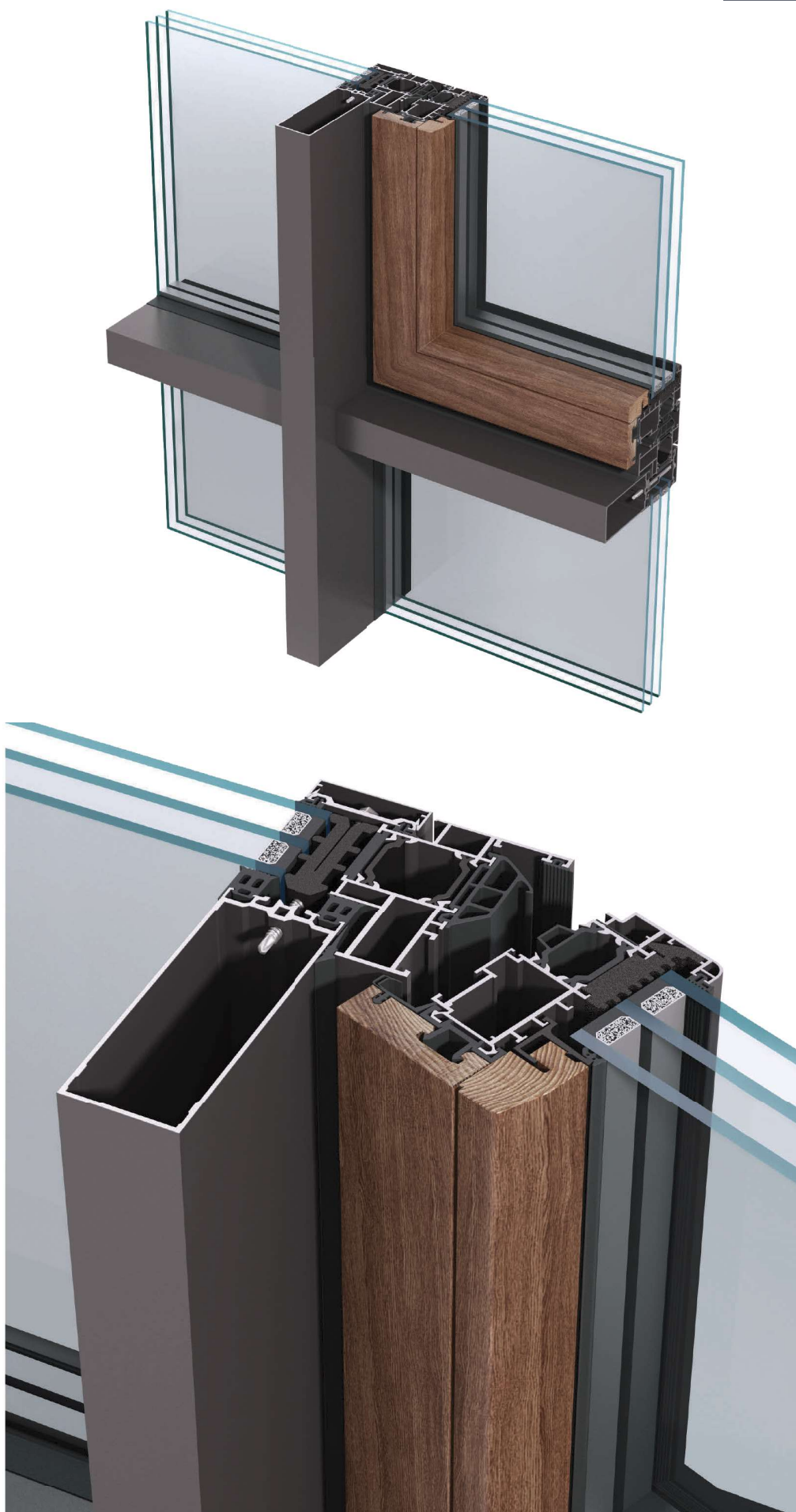
Unico Standart Series

pg.
4.03



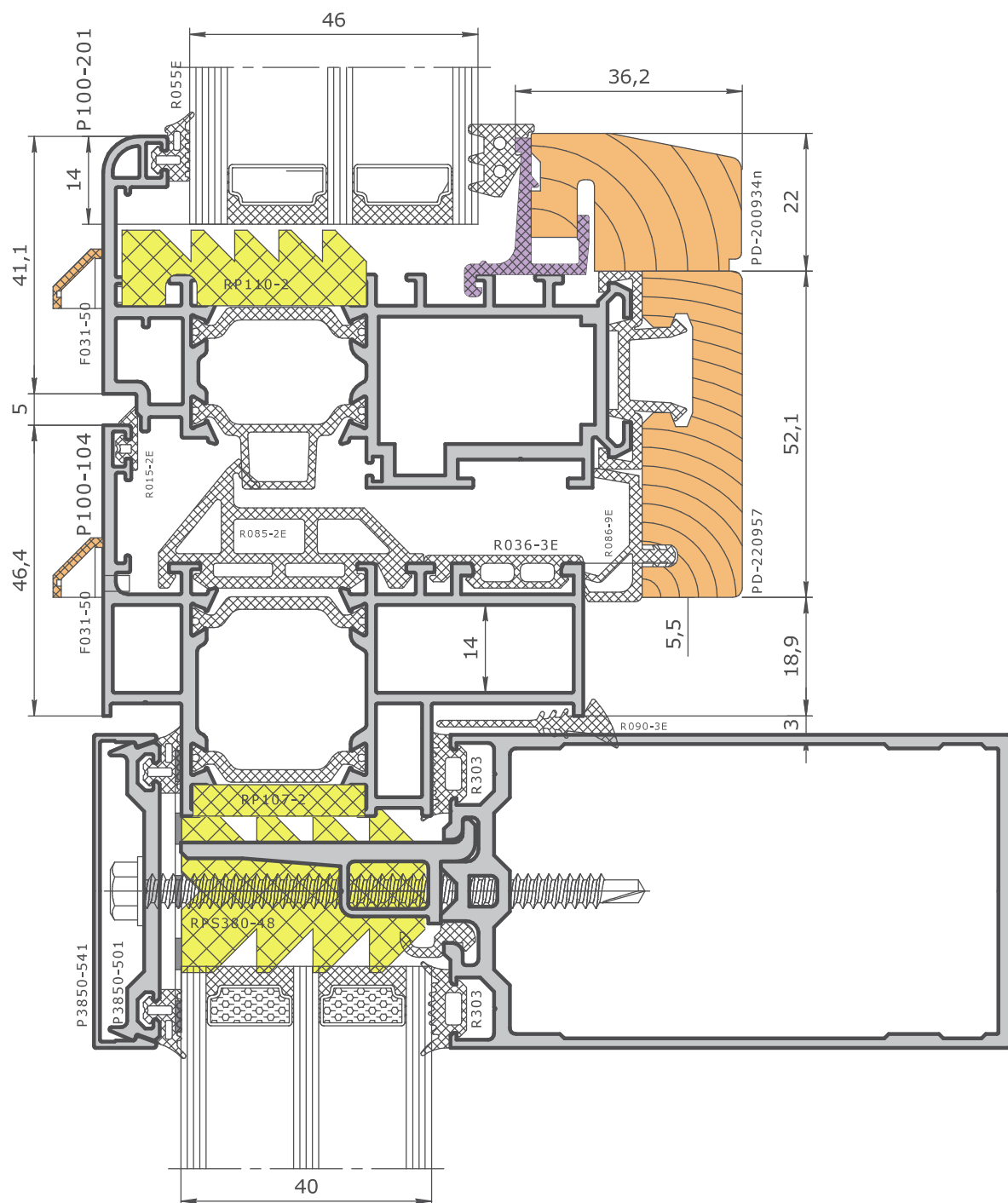
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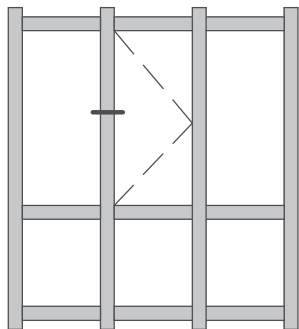
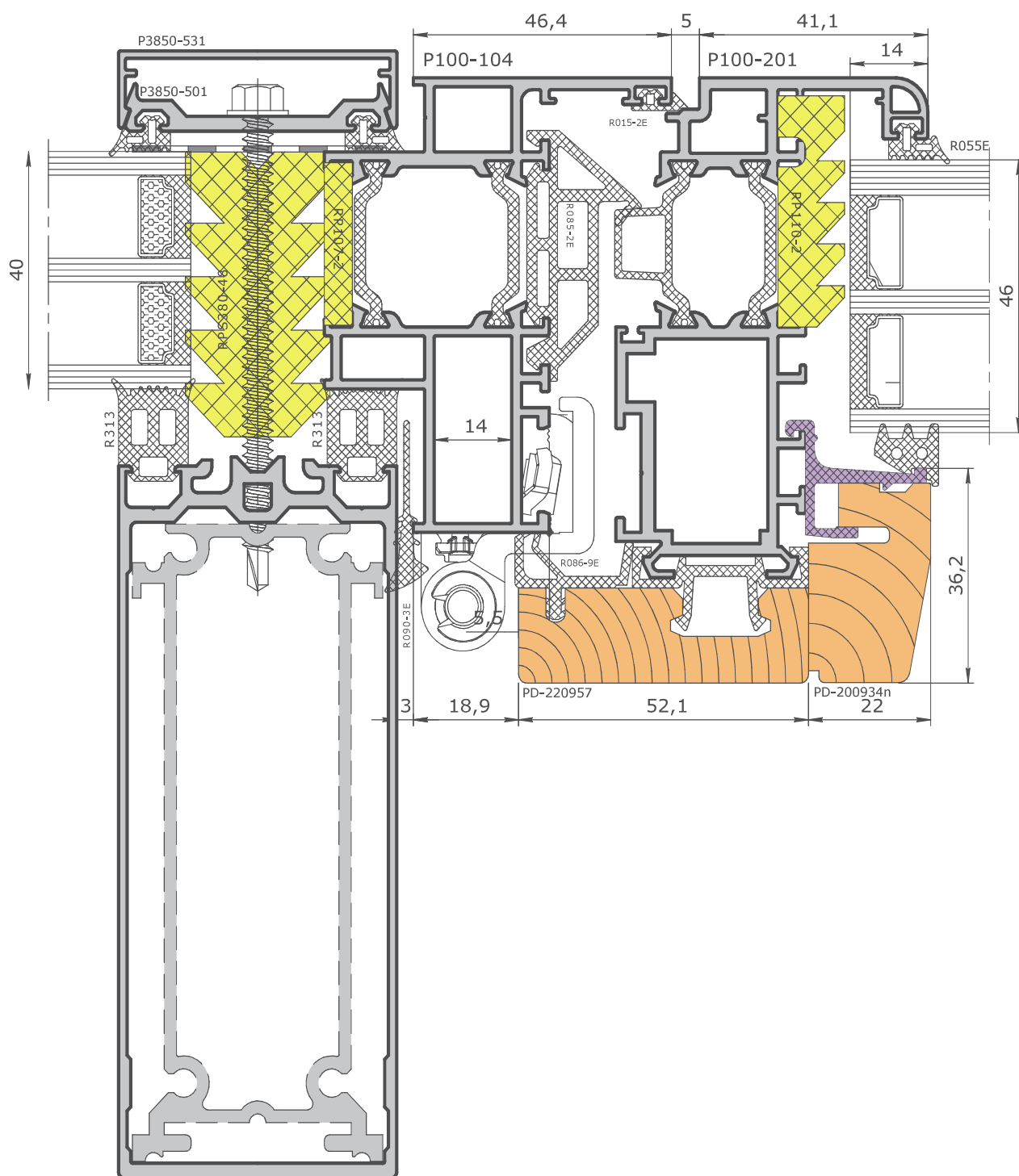
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Unico Standart Series

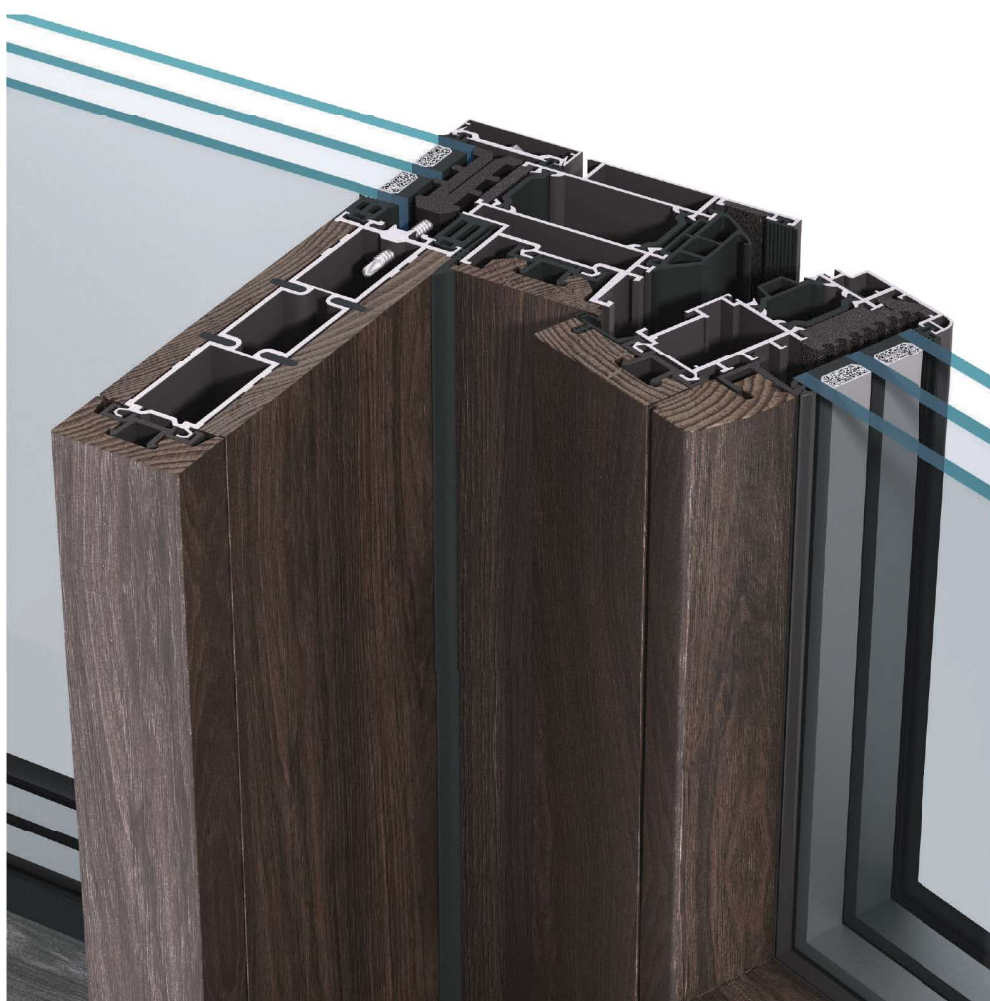
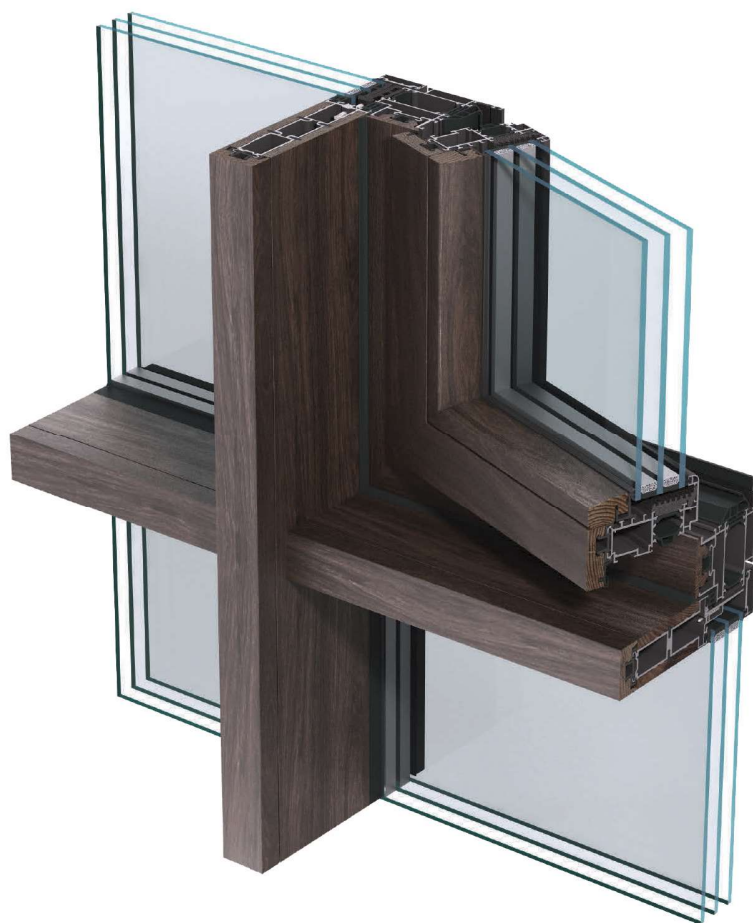
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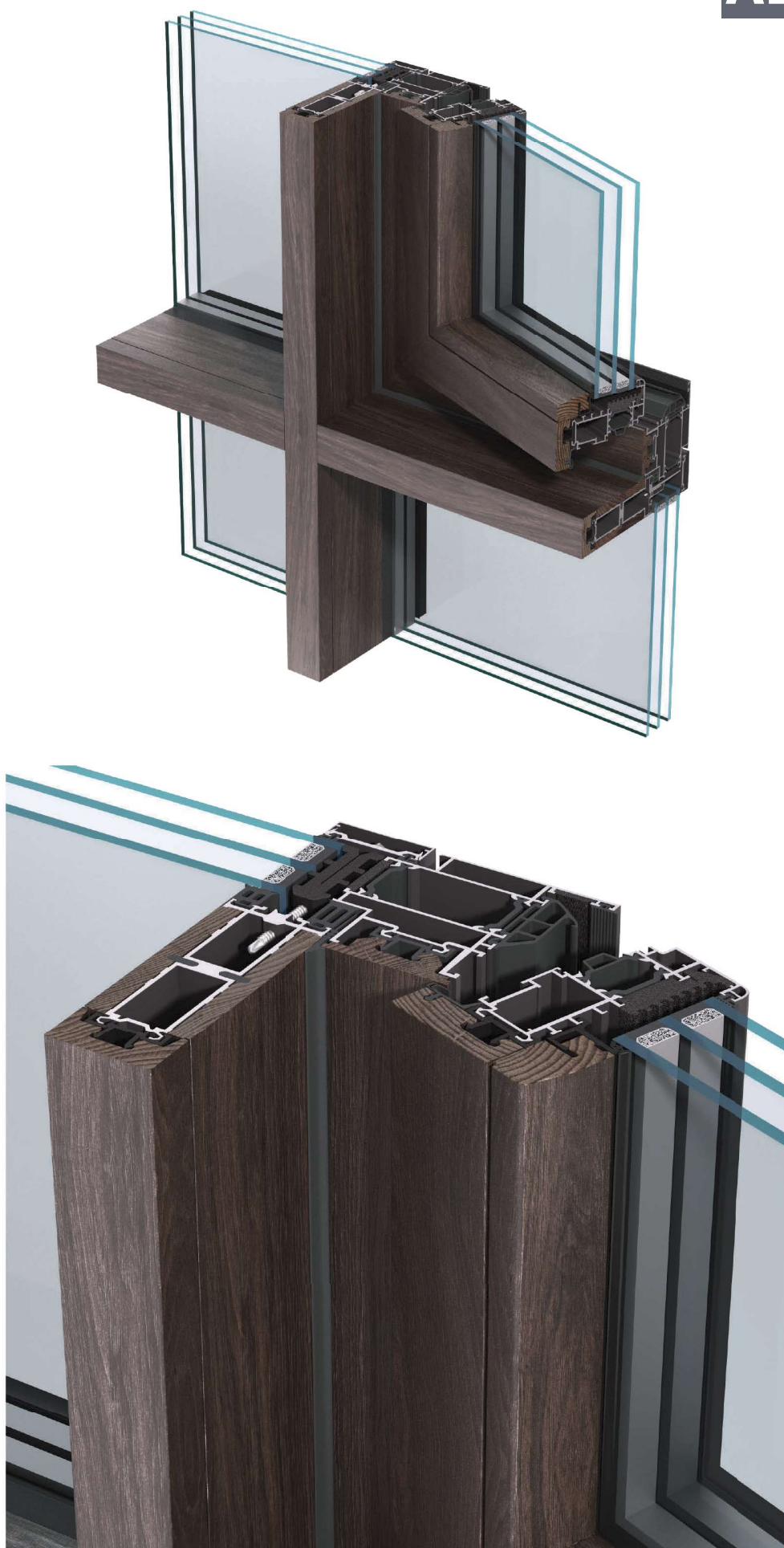
Unico Standart Series

pgg.
4.07



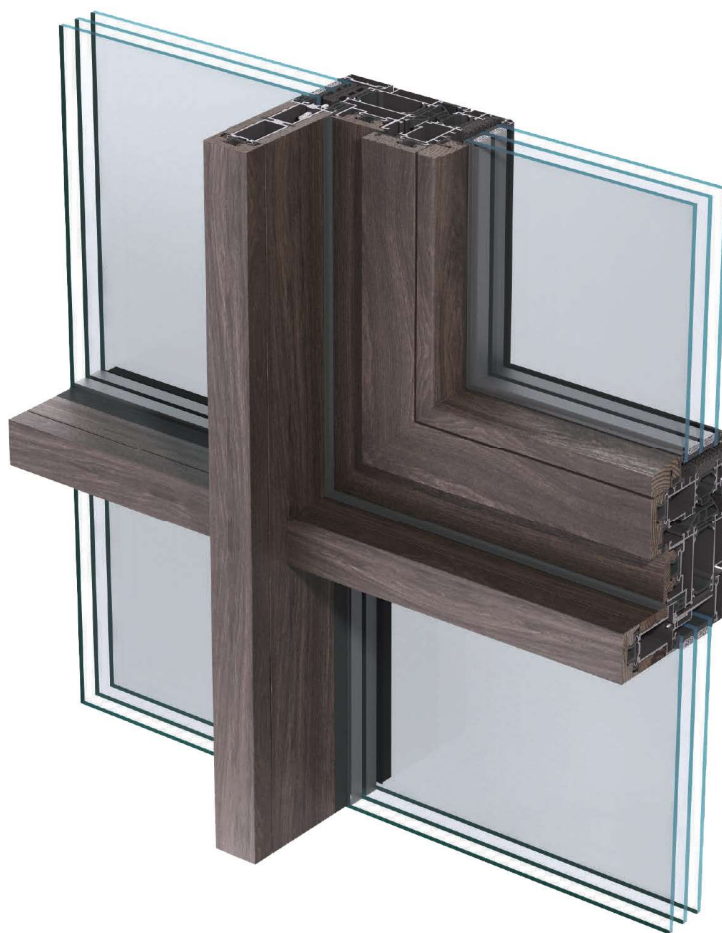
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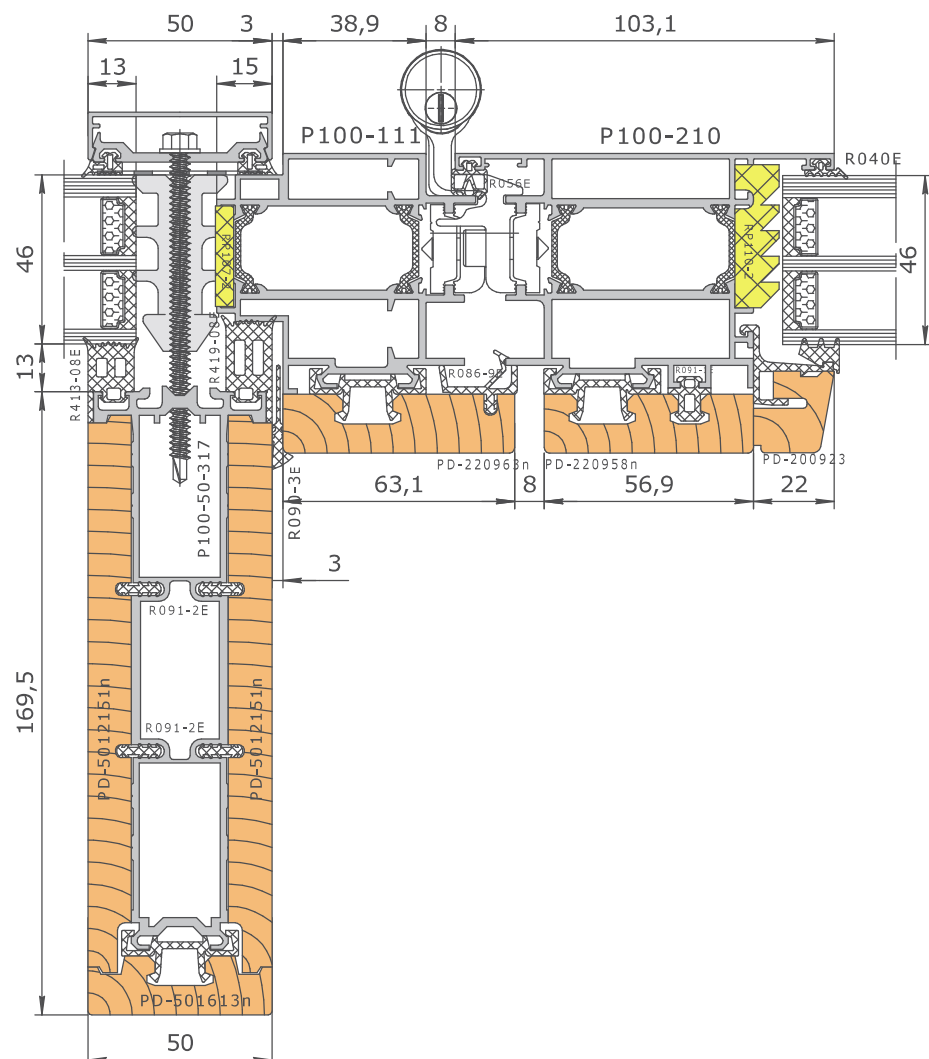
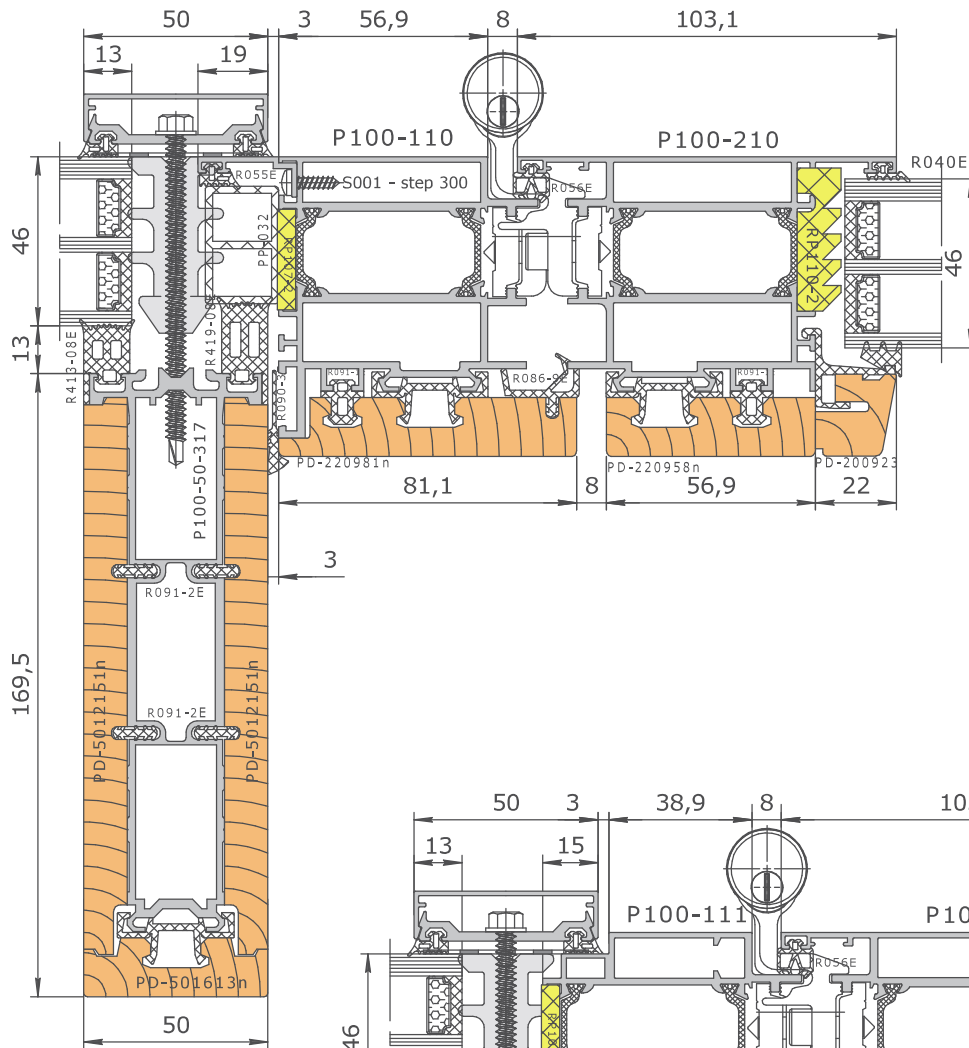
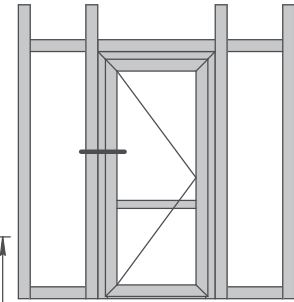
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Unico Standart Series

pgg.
4.09



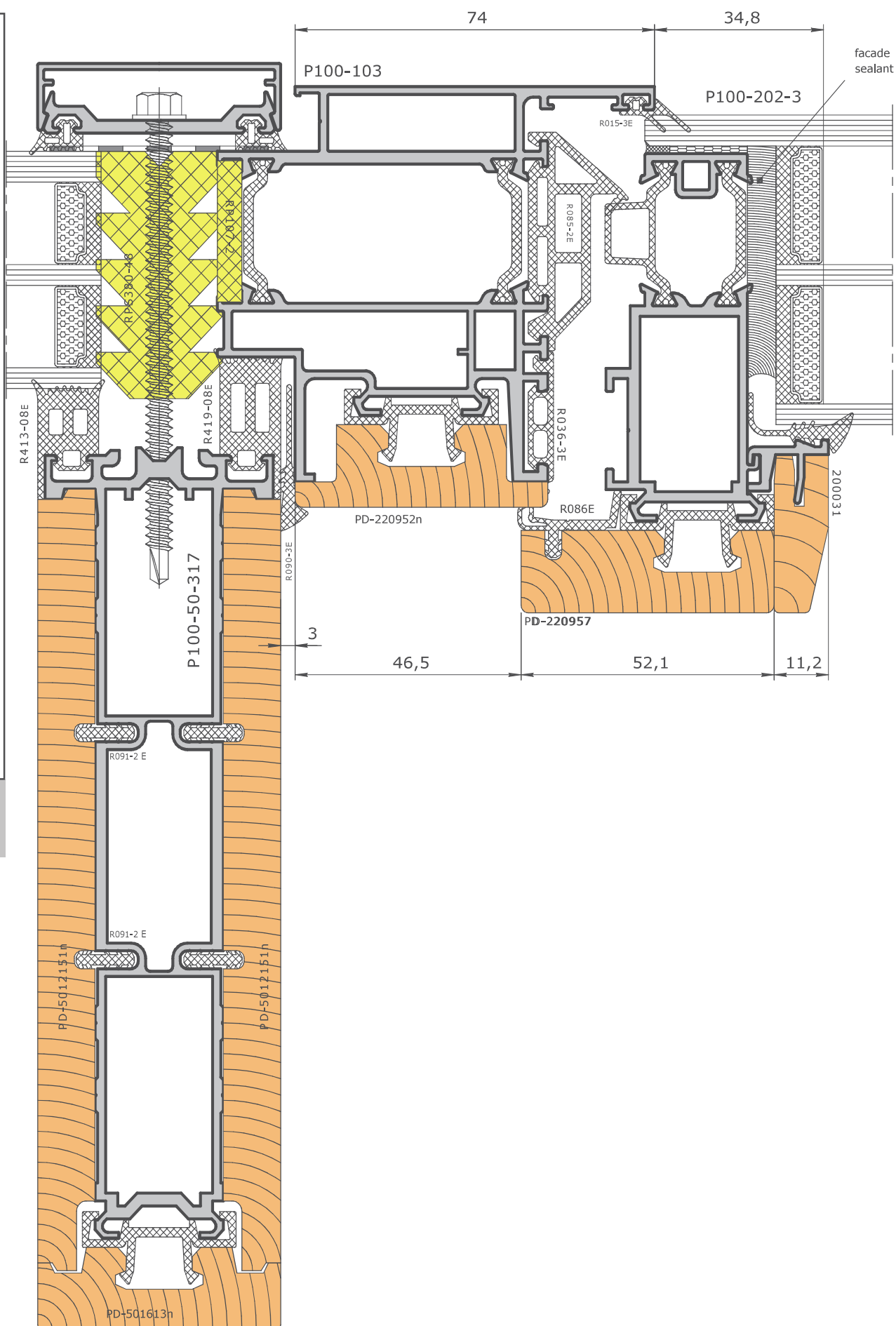


Unico Standart Series

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4.10

Unico Structur Series

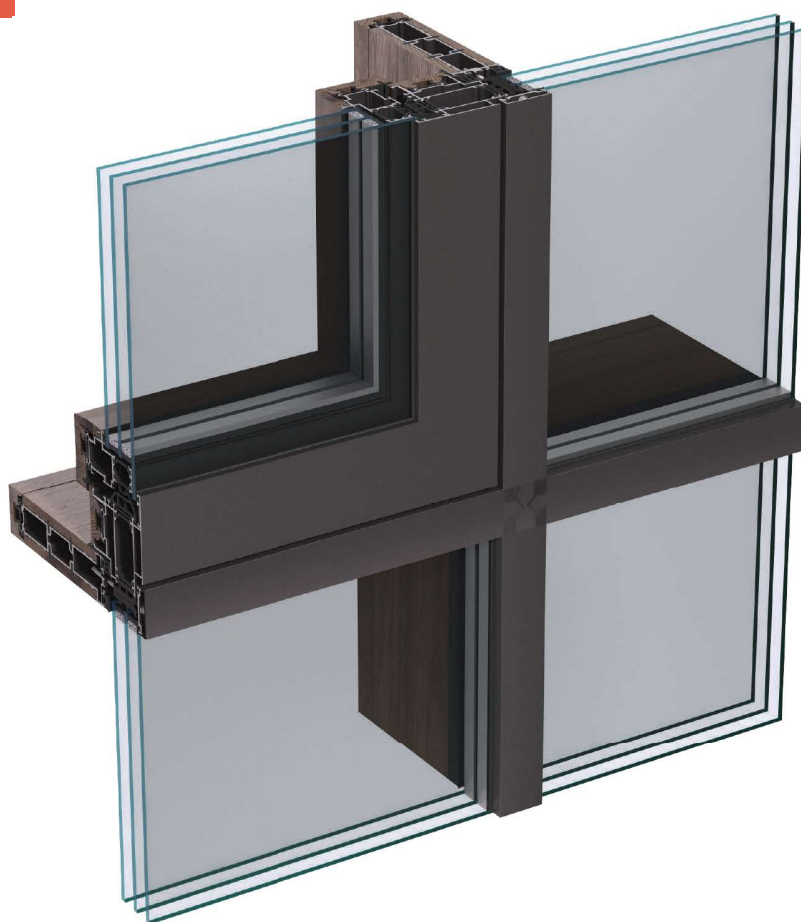
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4.11

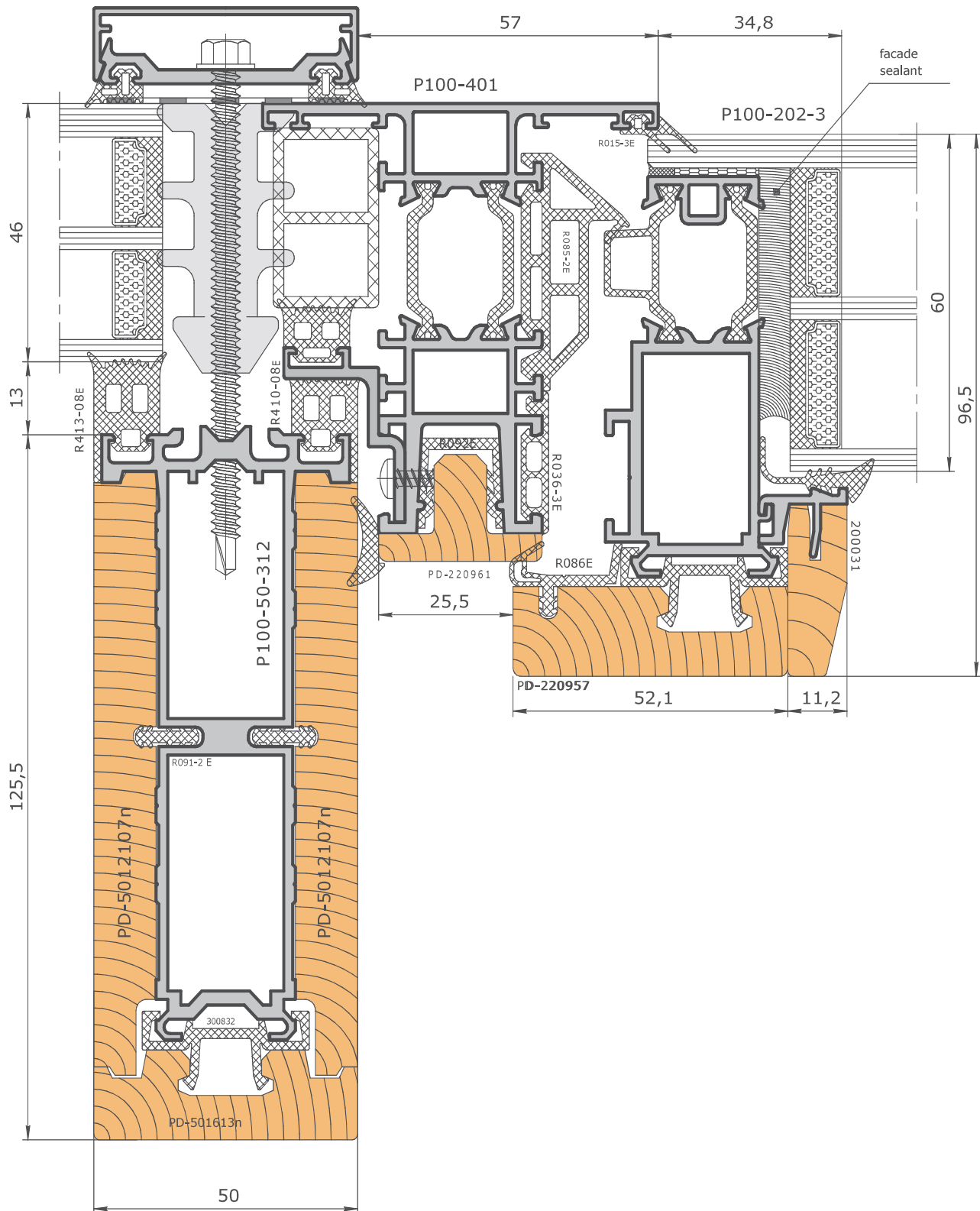




Unico Structur Series

pg.
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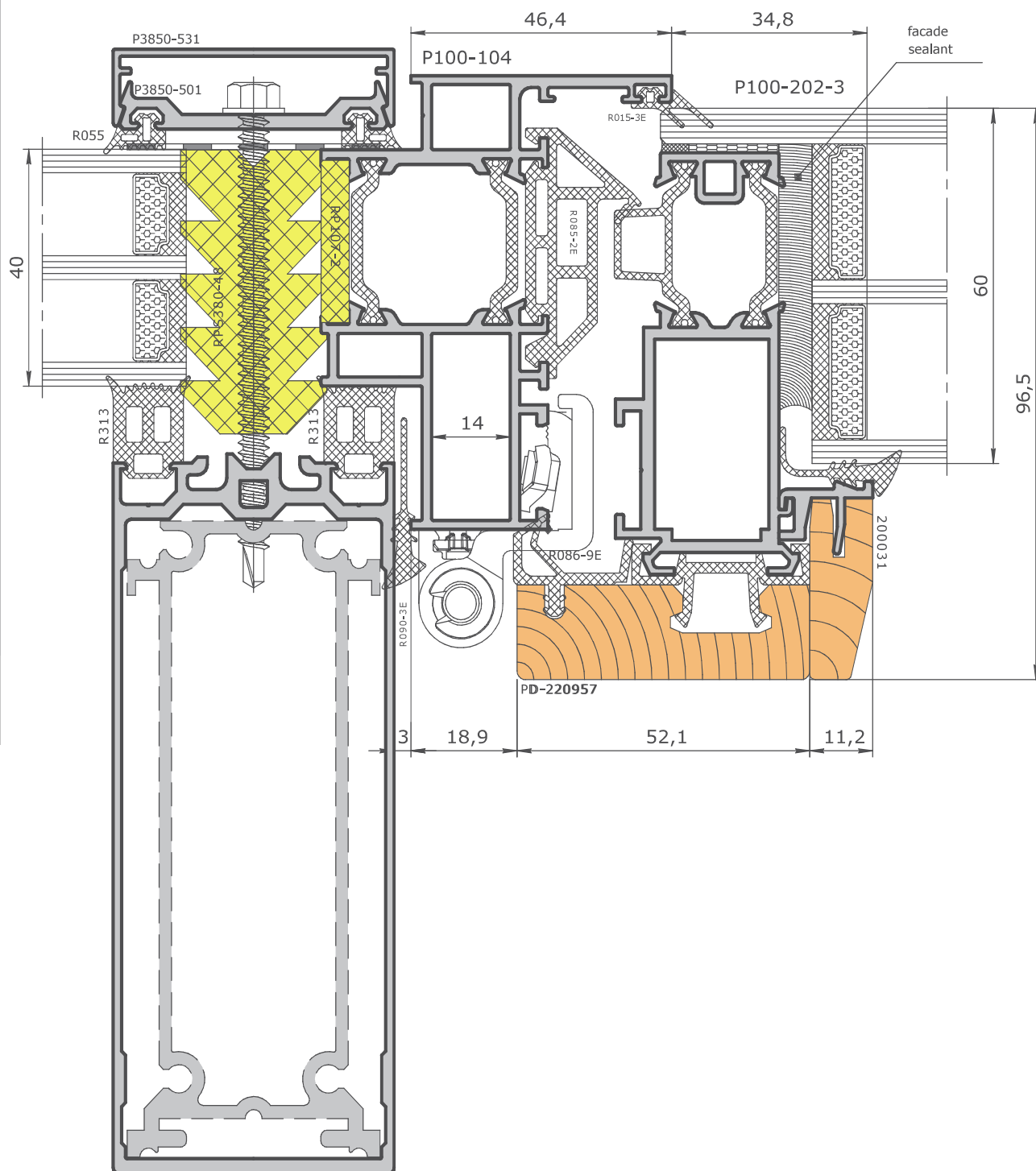


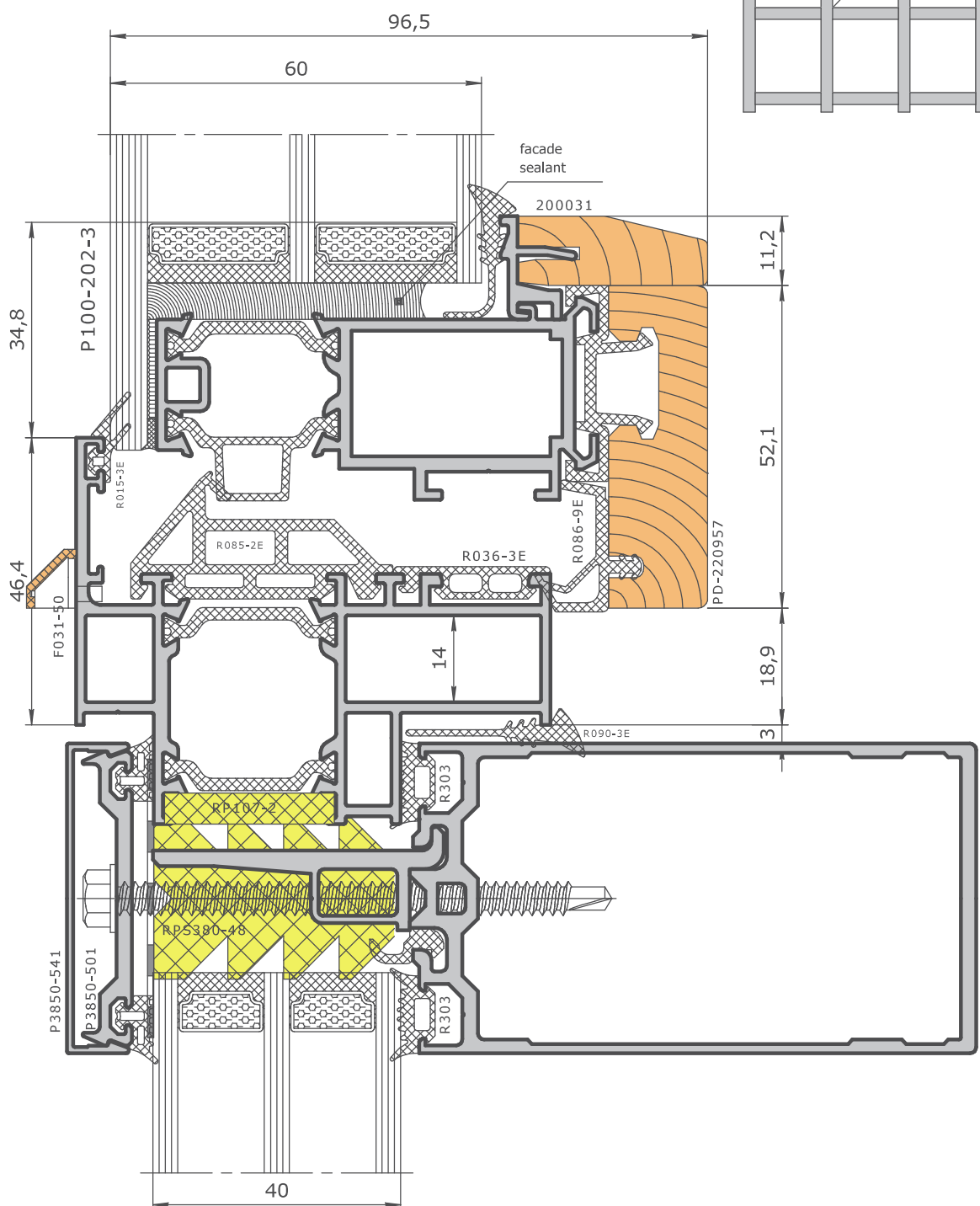
Unico Structur Series

pg.
4.14

Unico Structur Series

pg.
4.15



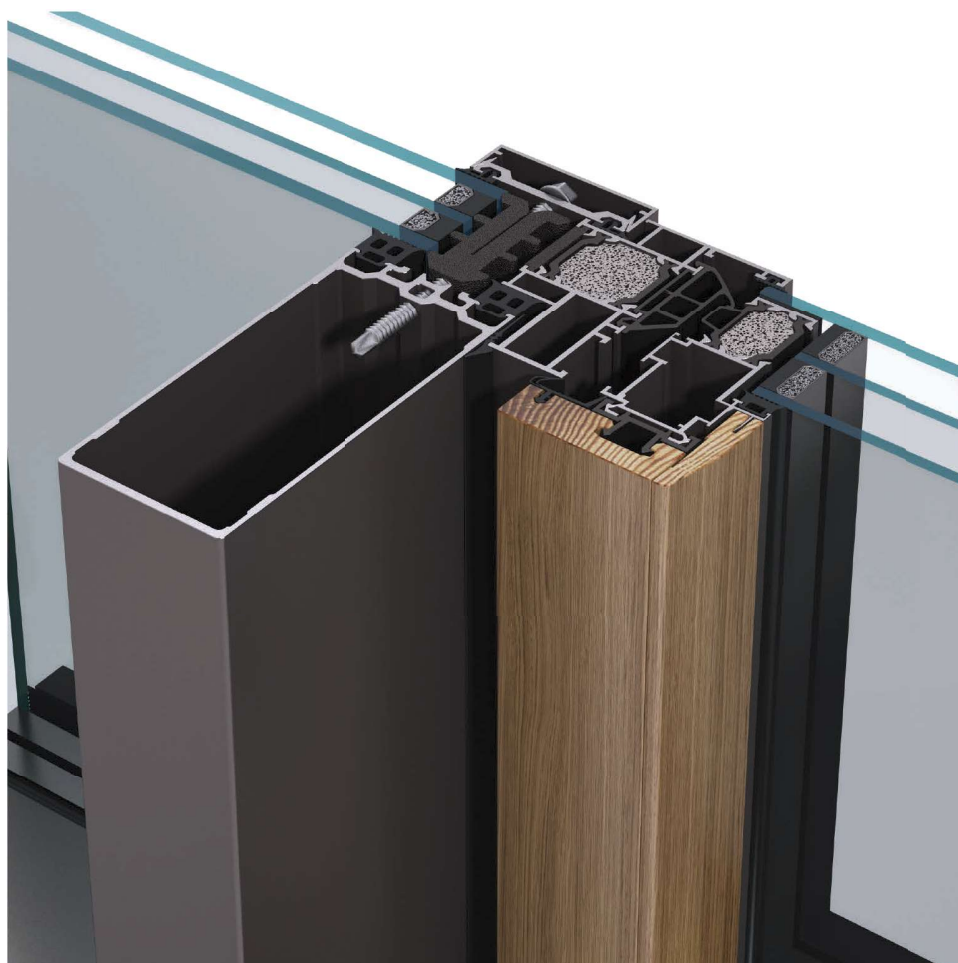
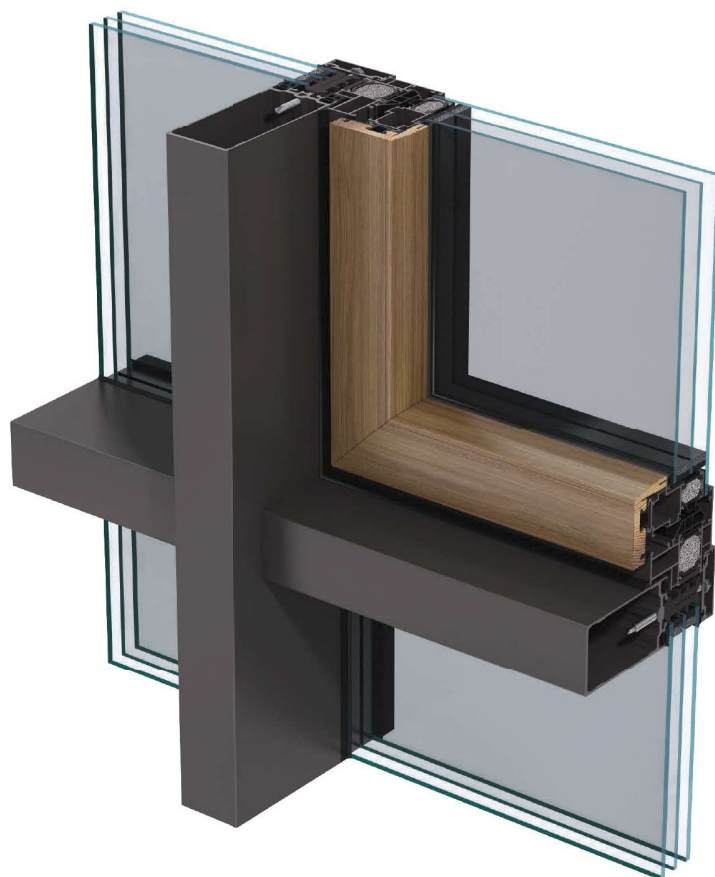


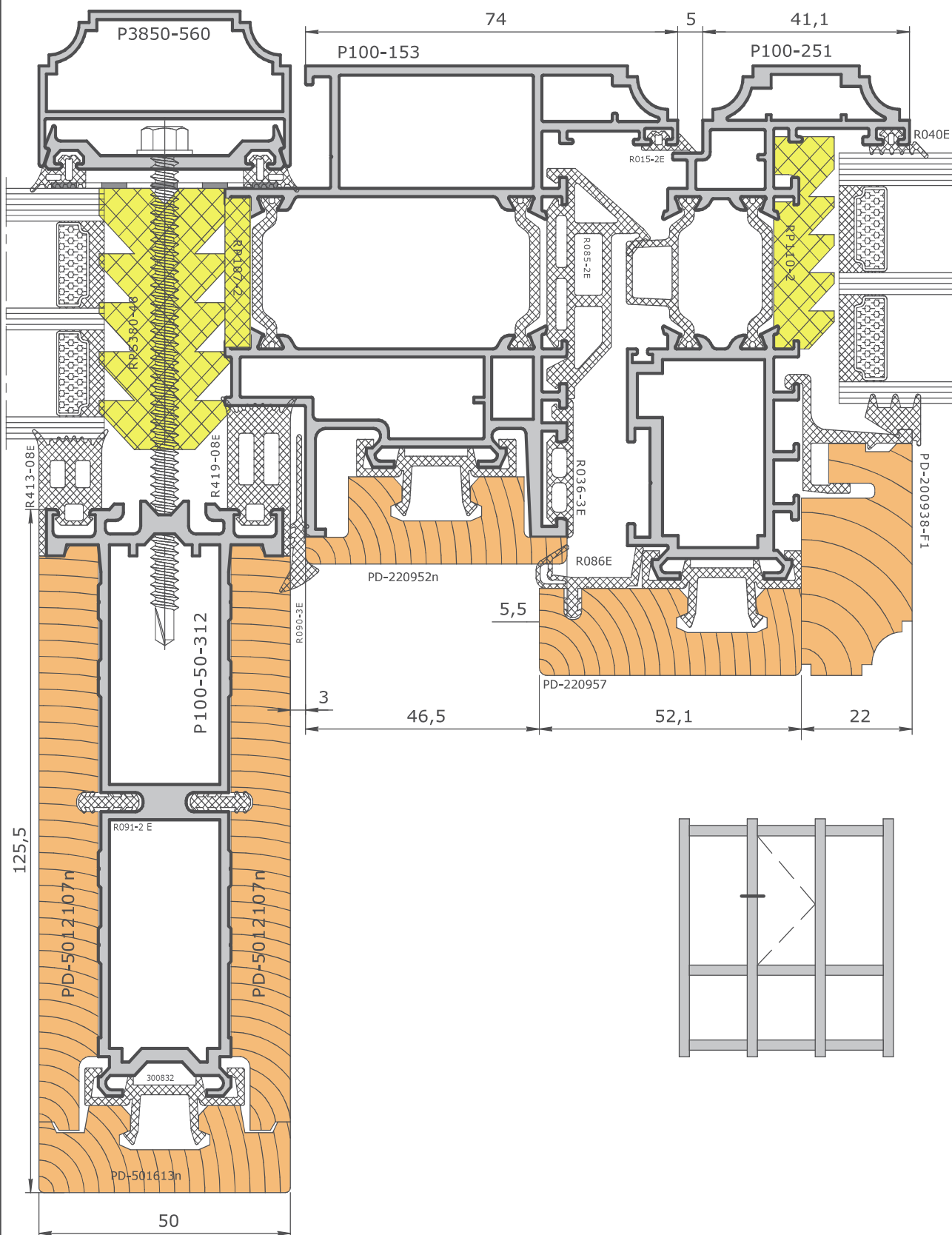
Unico Structur Series

pg.
4.16

Unico Structur Series

pgg.
4.17



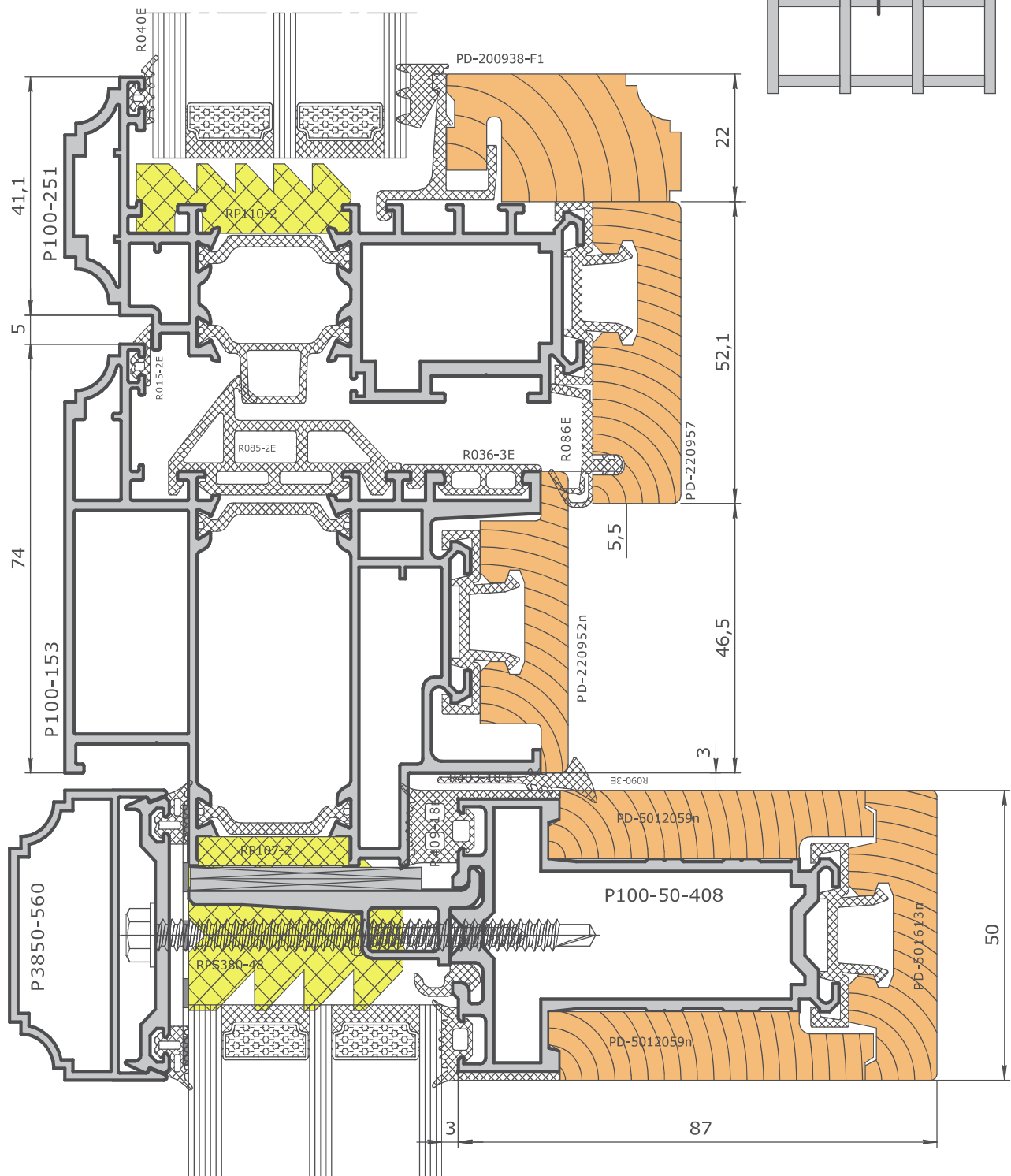


Unico Classic Series

pg.
4.18

Unico Classic Series

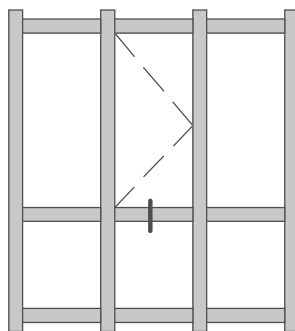
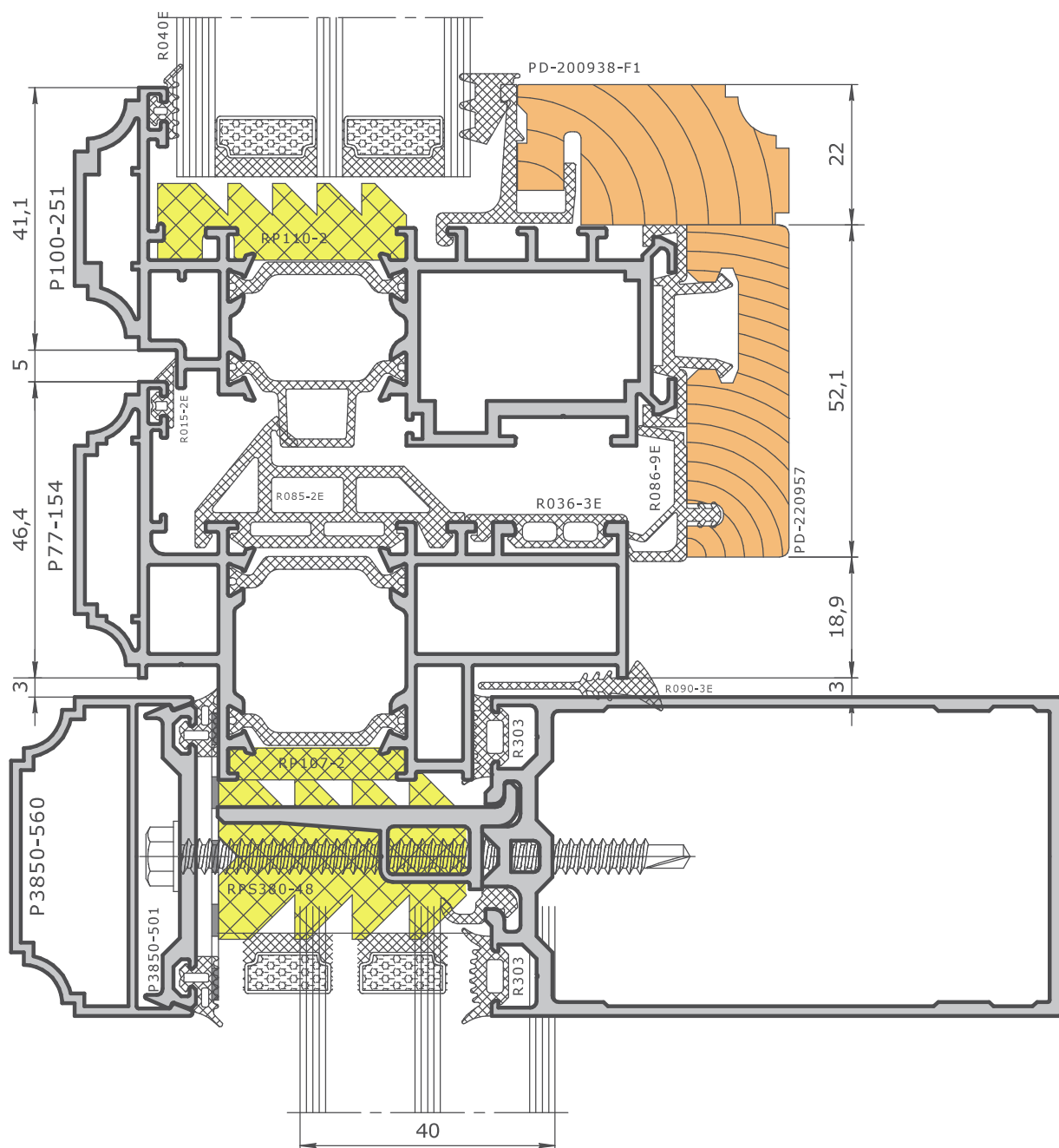
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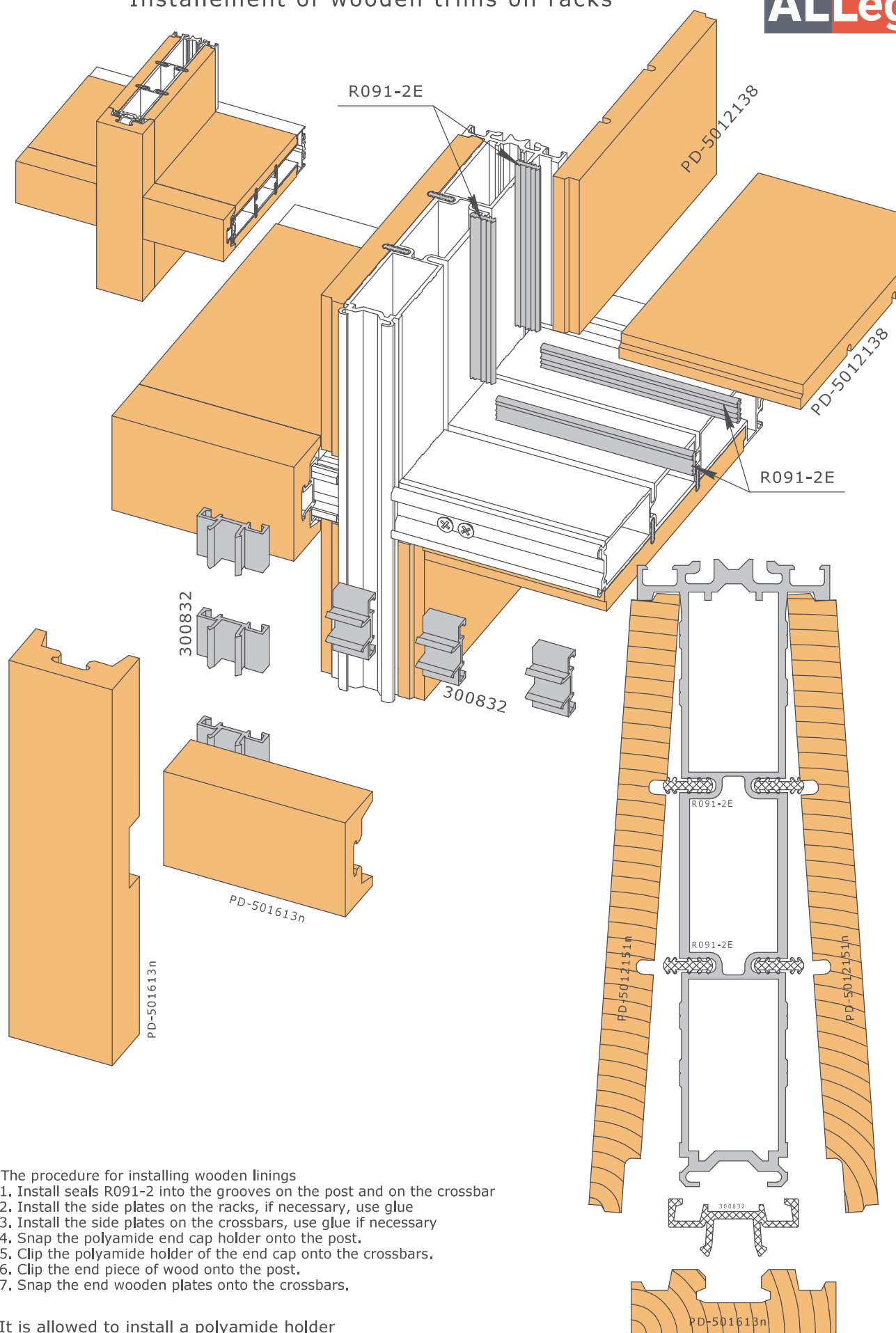




Unico Classic Series

pg.
4.21





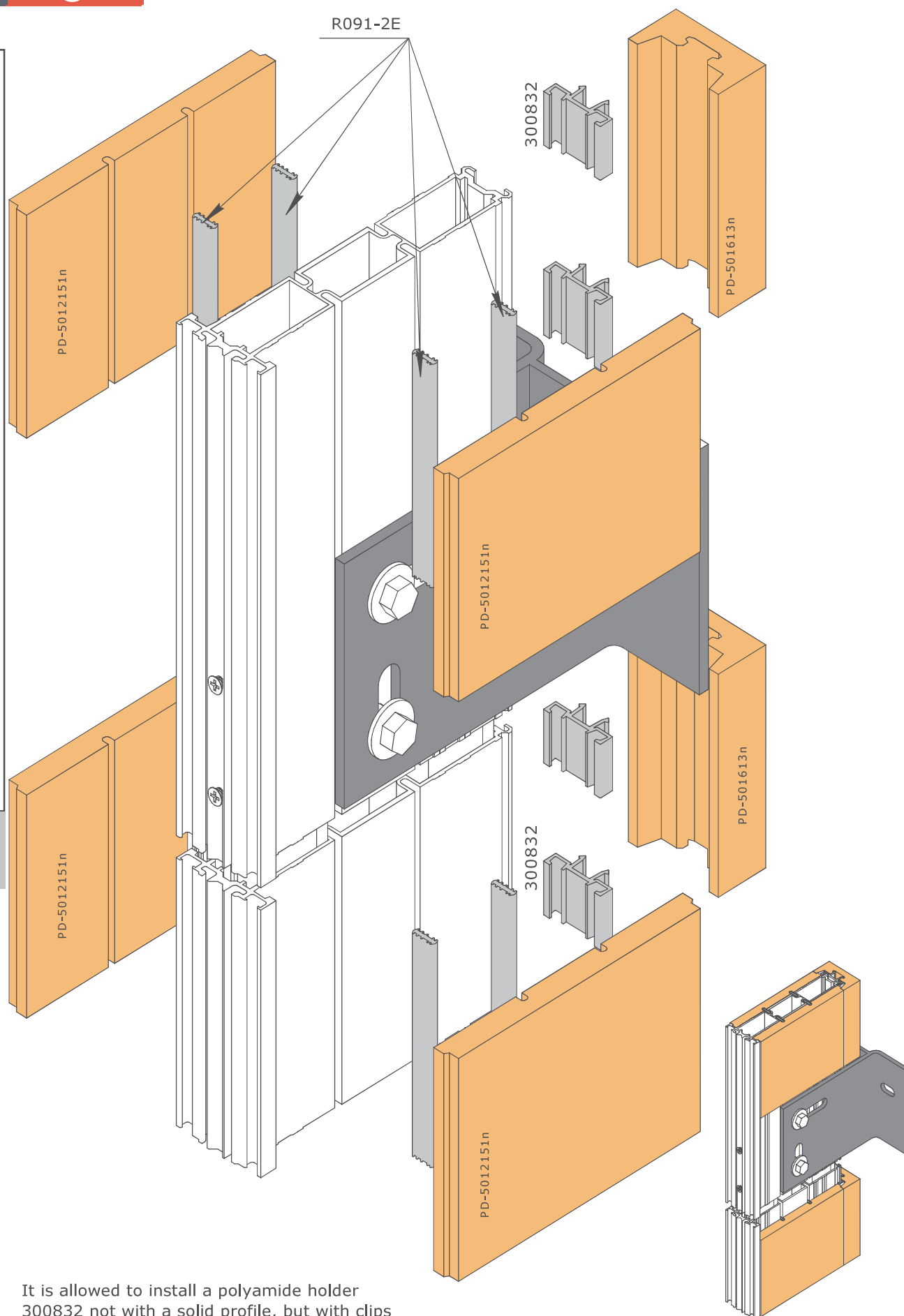
The procedure for installing wooden linings

1. Install seals R091-2 into the grooves on the post and on the crossbar
2. Install the side plates on the racks, if necessary, use glue
3. Install the side plates on the crossbars, use glue if necessary
4. Snap the polyamide end cap holder onto the post.
5. Clip the polyamide holder of the end cap onto the crossbars.
6. Clip the end piece of wood onto the post.
7. Snap the end wooden plates onto the crossbars.

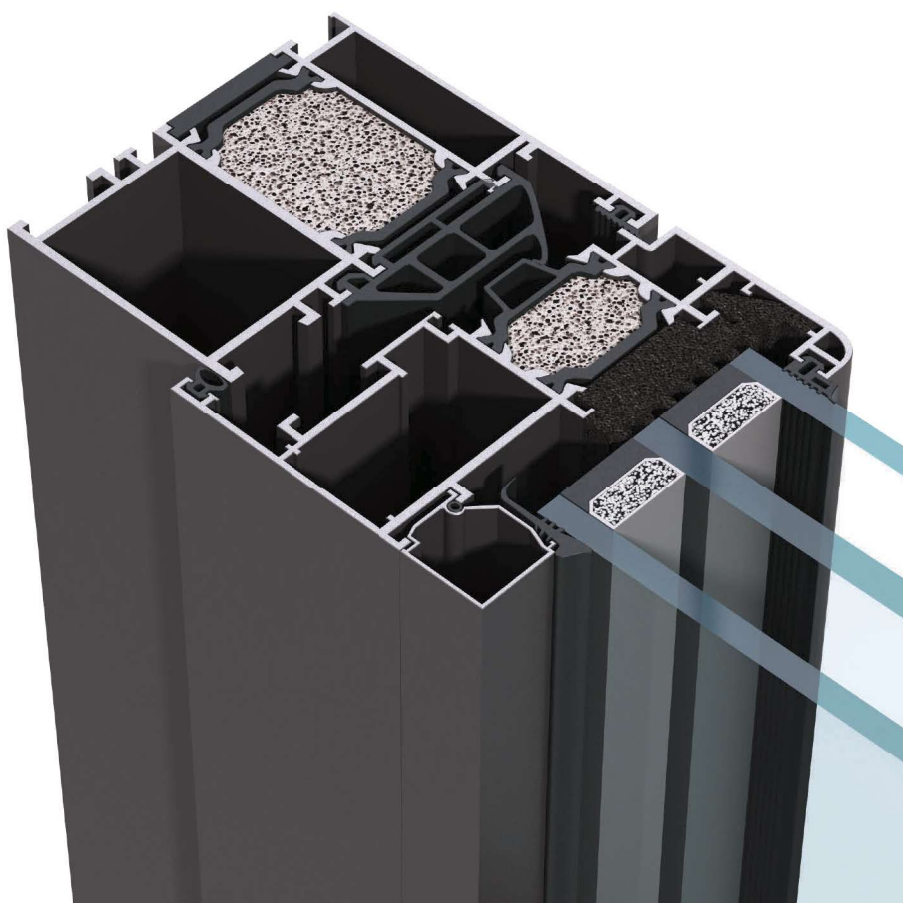
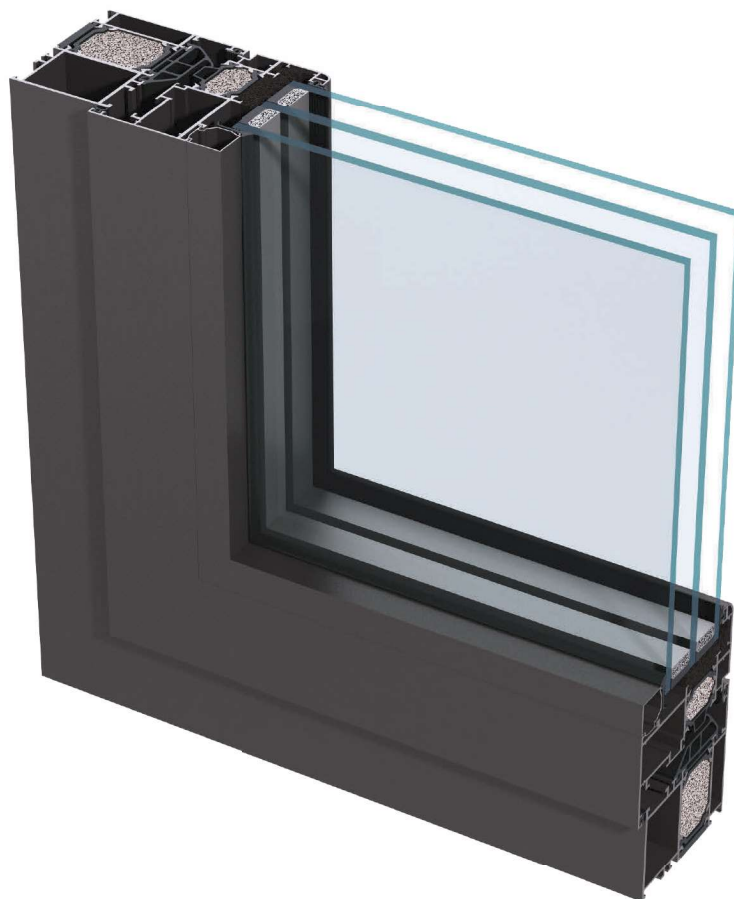
It is allowed to install a polyamide holder 300832 not with a solid profile, but with clips of 20 mm each with a lag of 250 mm

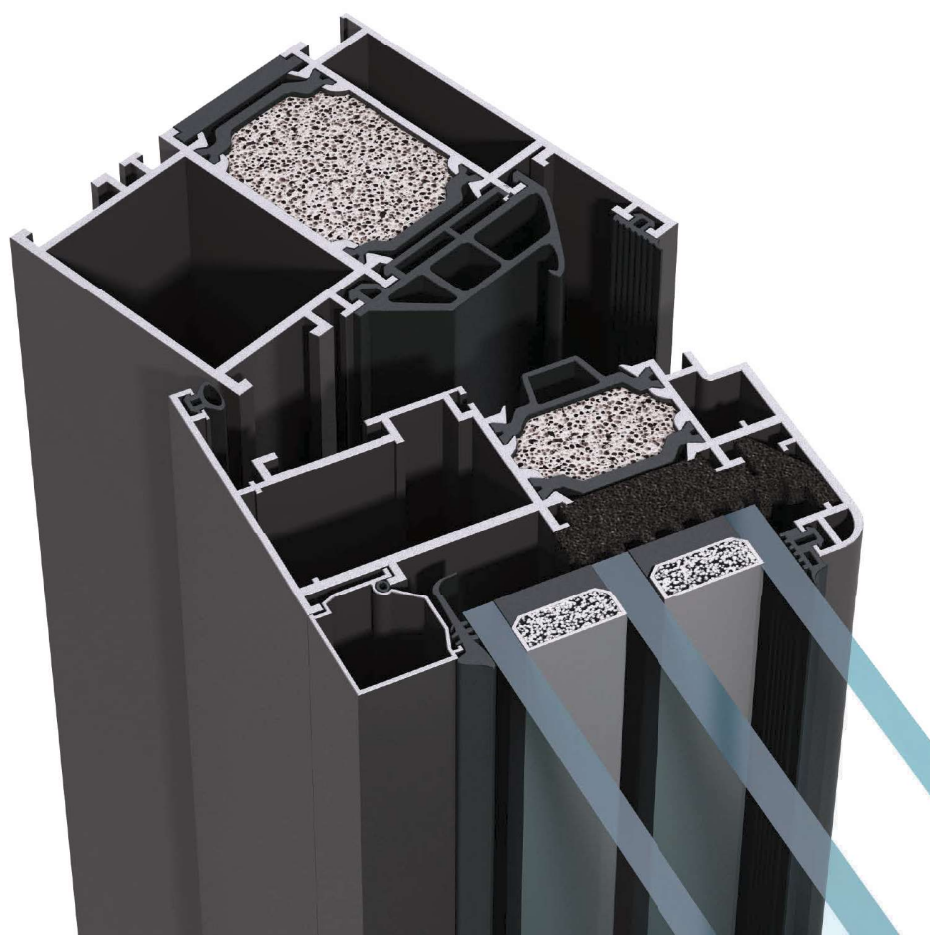
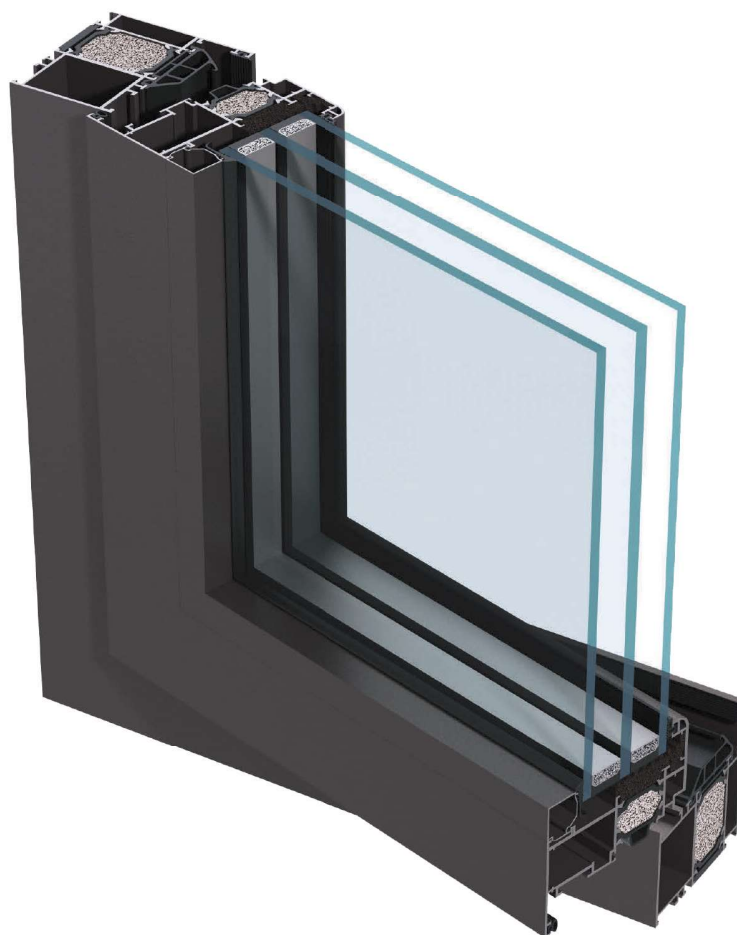
Facade system - Unico

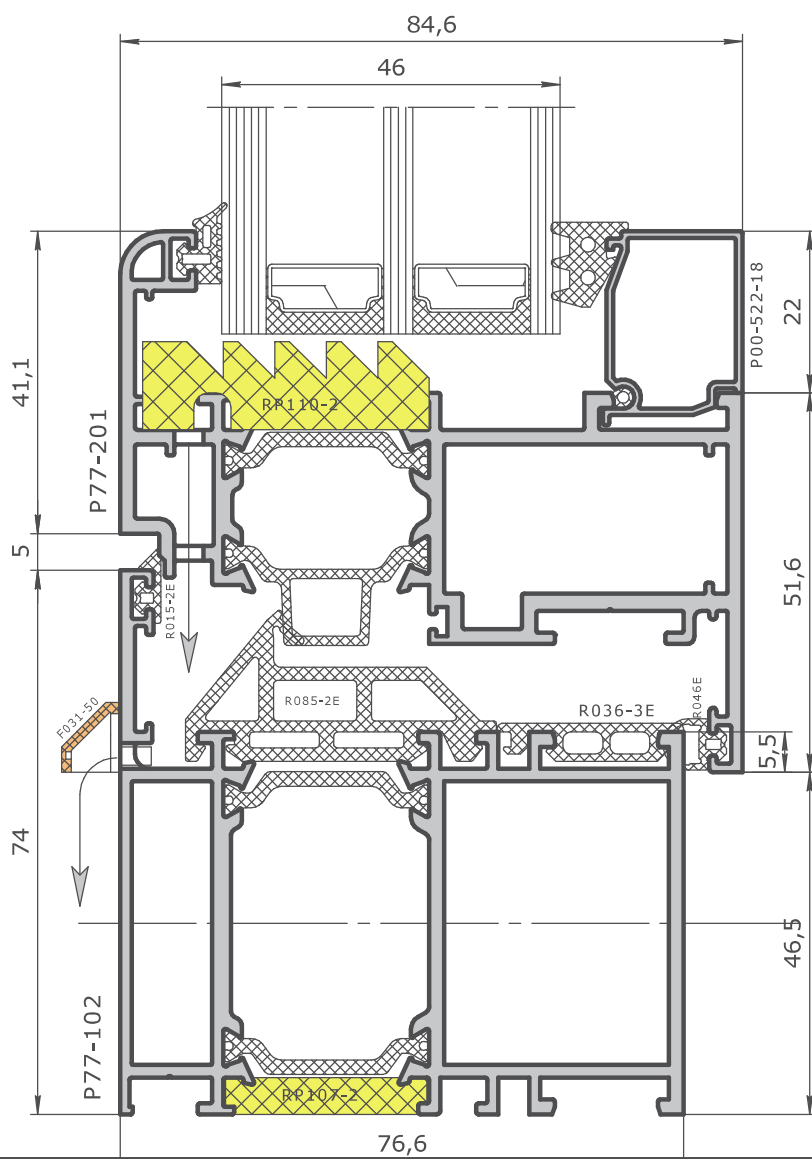
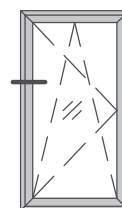
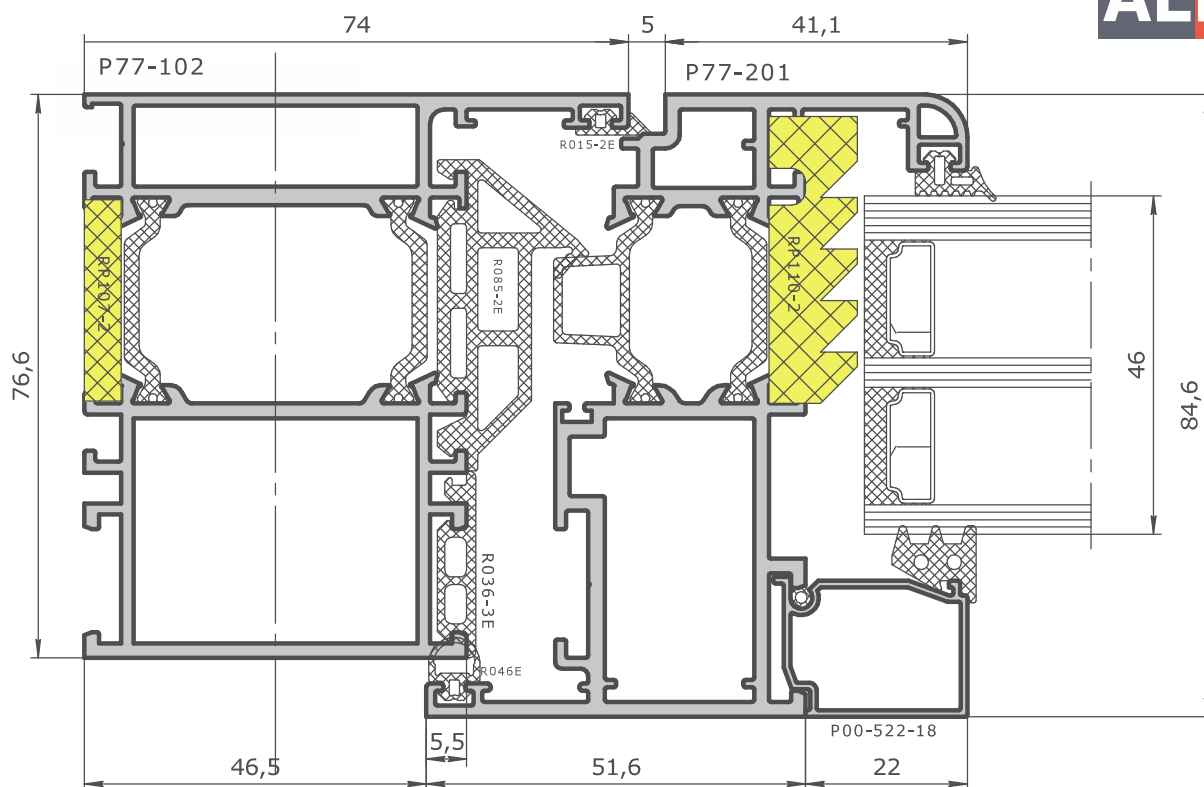
pg.
4.23



It is allowed to install a polyamide holder 300832 not with a solid profile, but with clips of 20 mm each with a lag of 250 mm

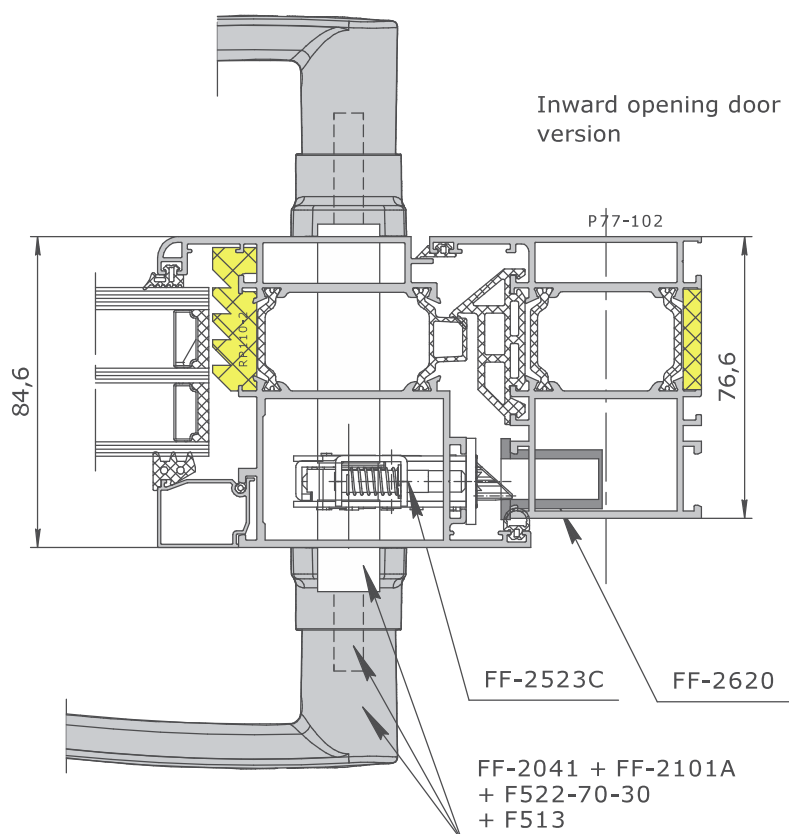
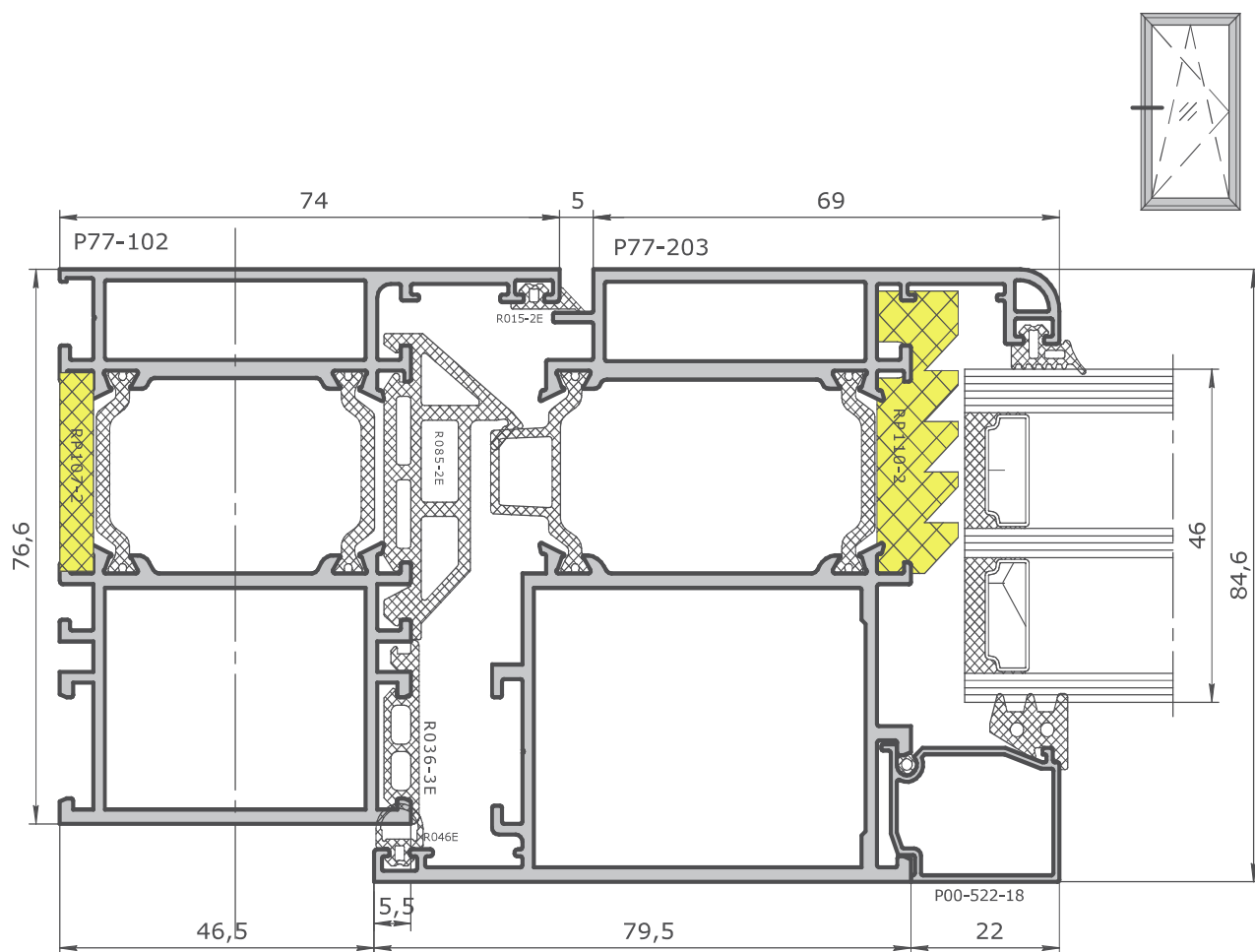


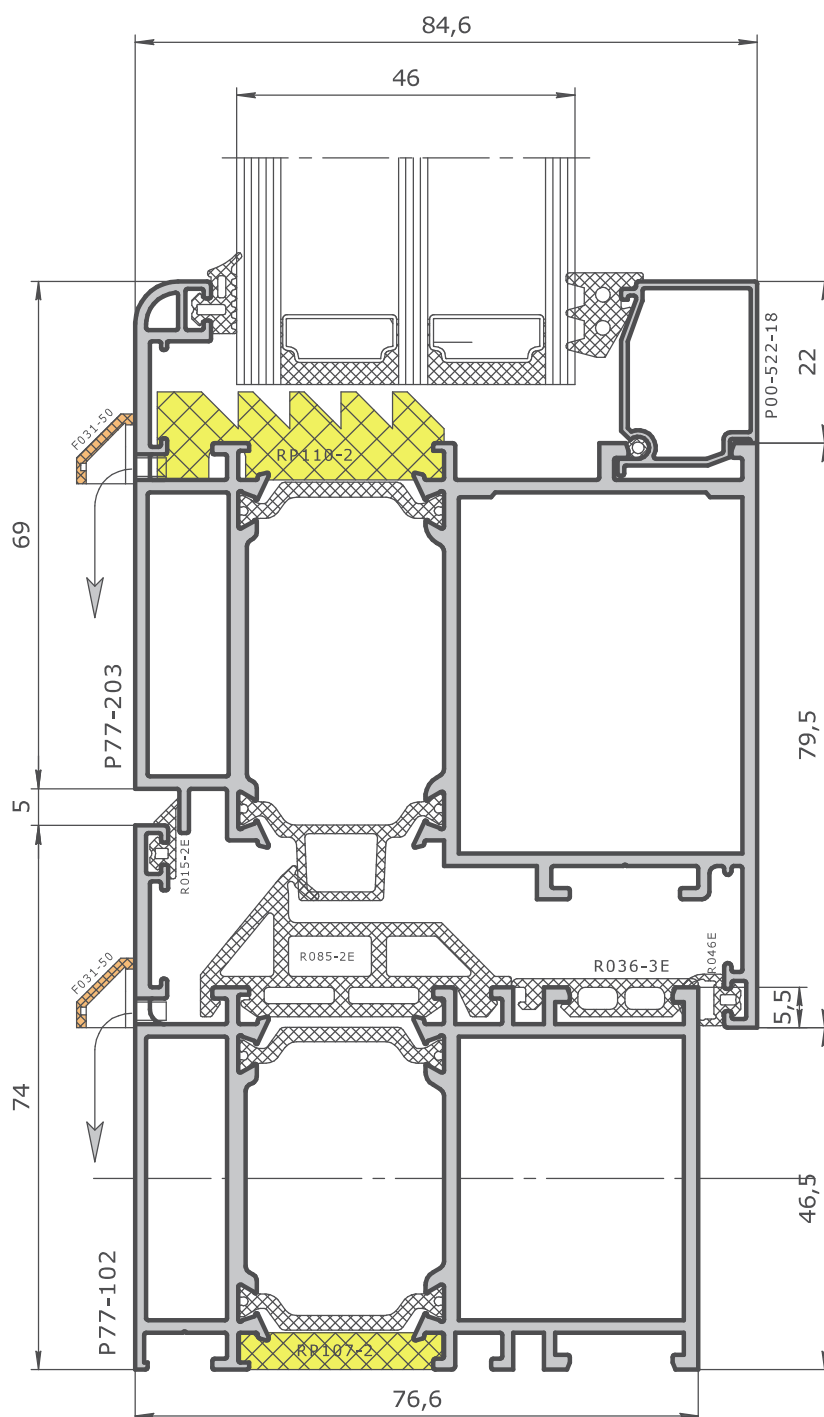
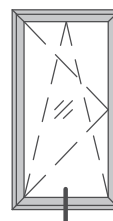




Techno Standart Series

pg.
5.03



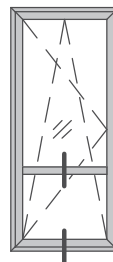
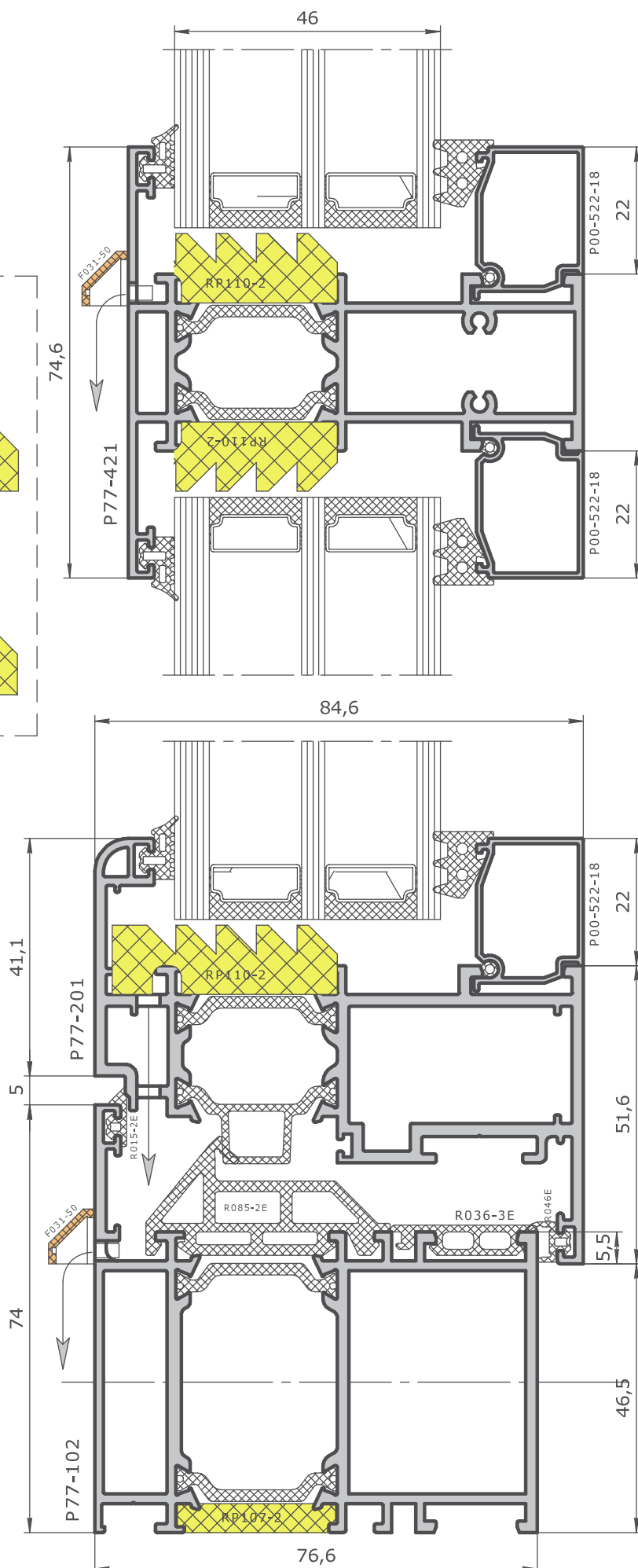
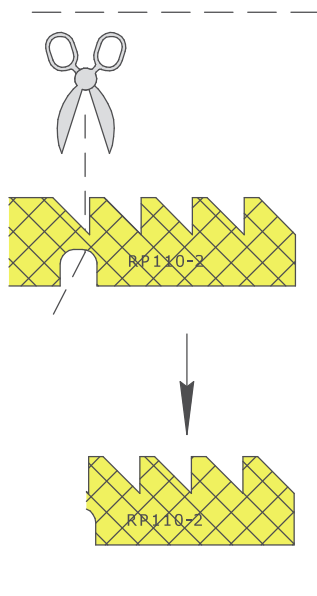


Techno Standard Series

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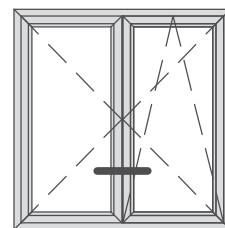
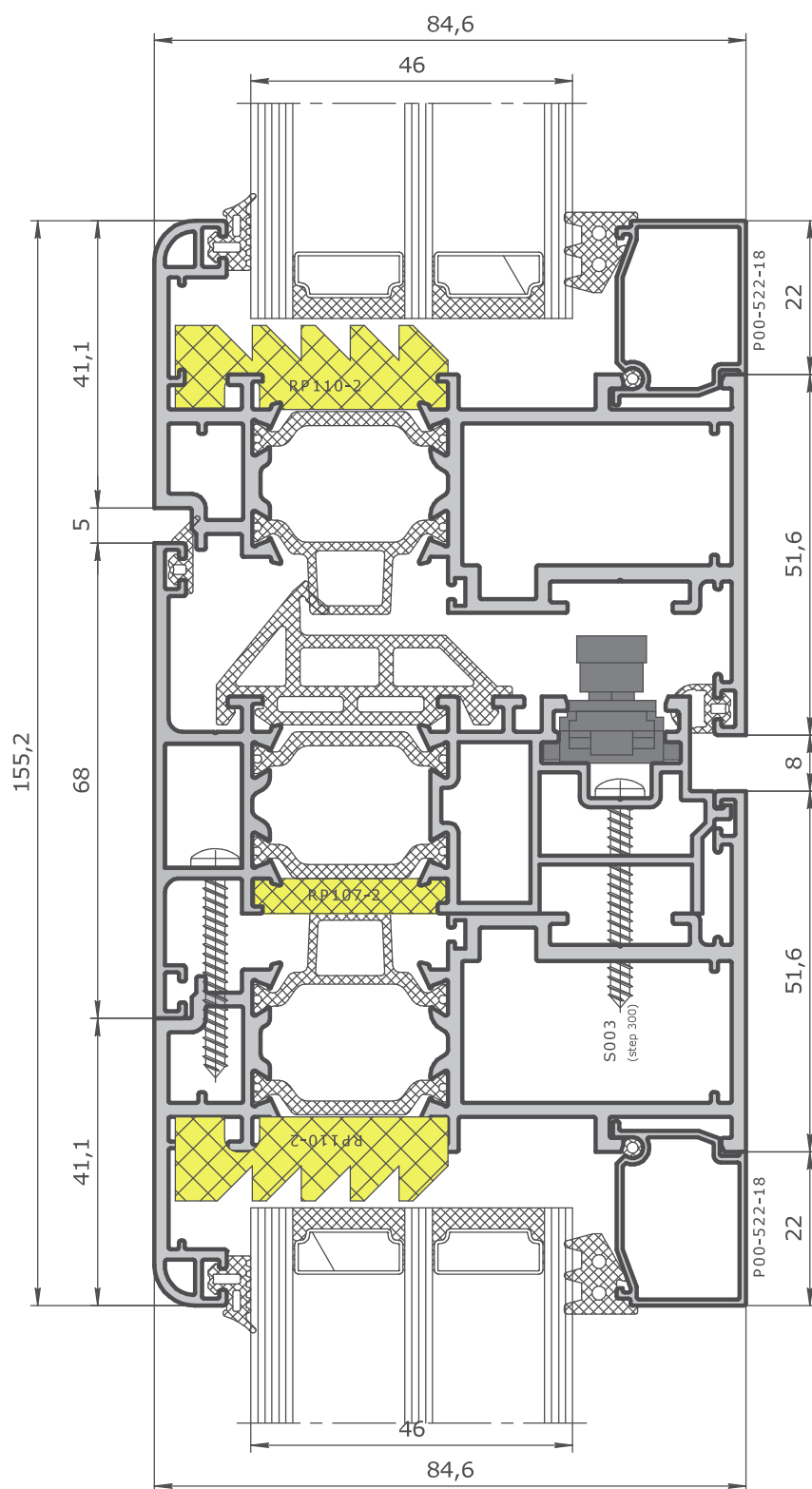
Techno Standart Series

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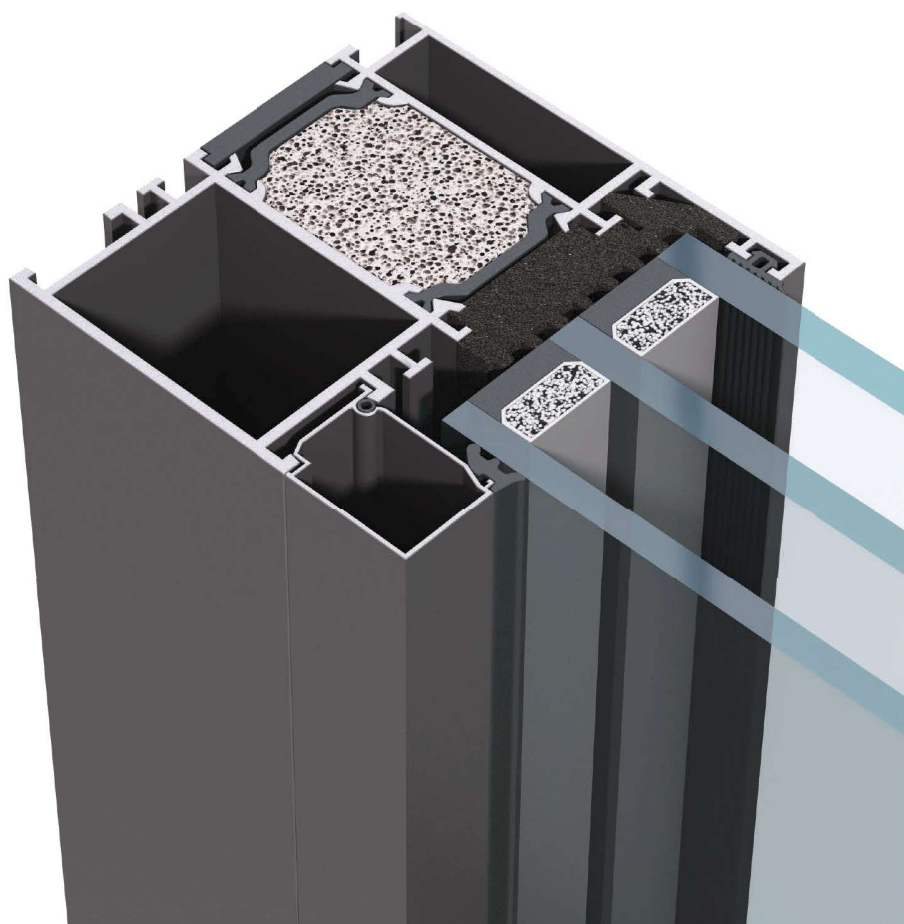
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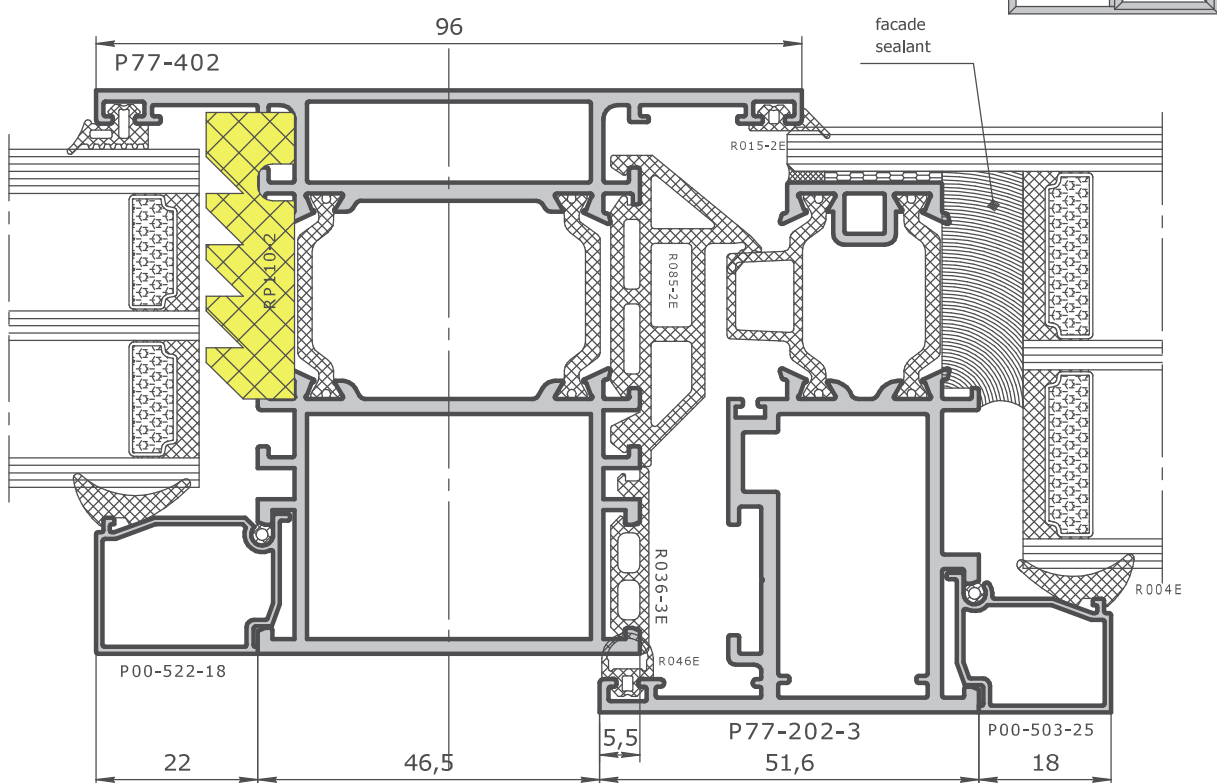
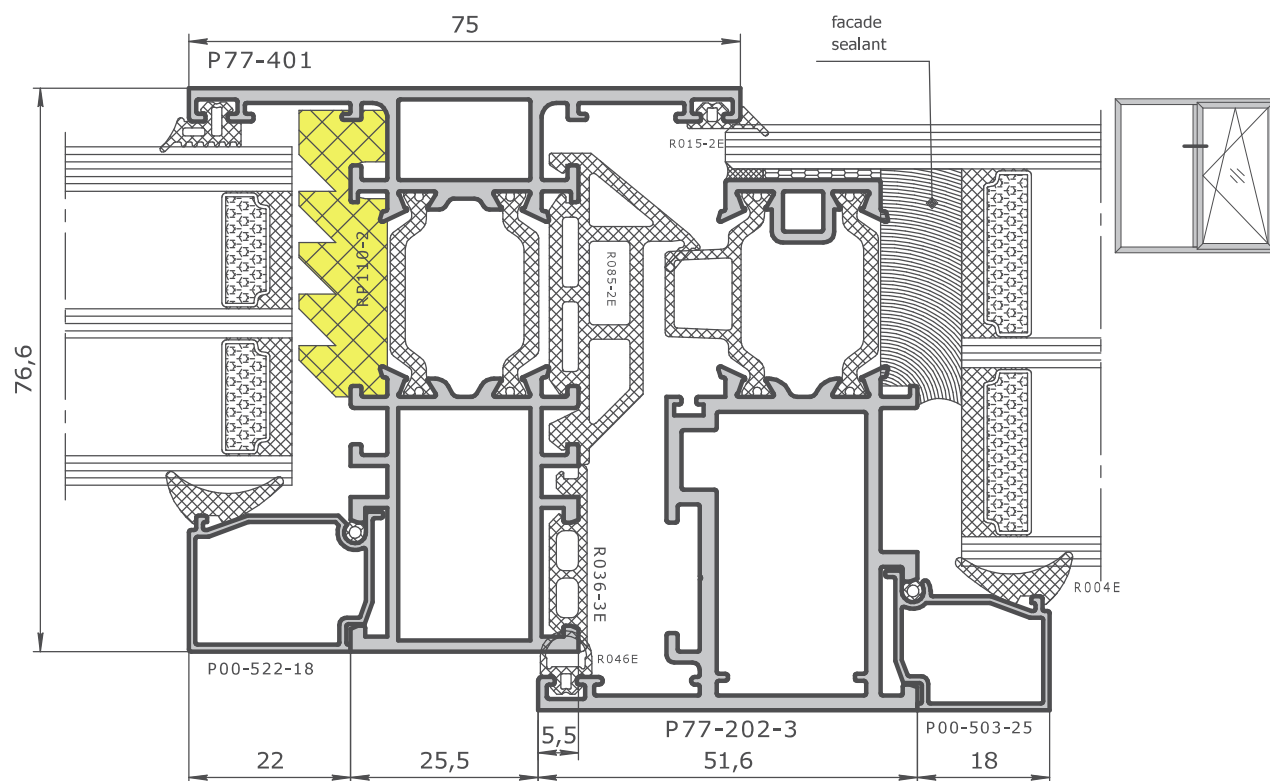
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Techno Standart Series

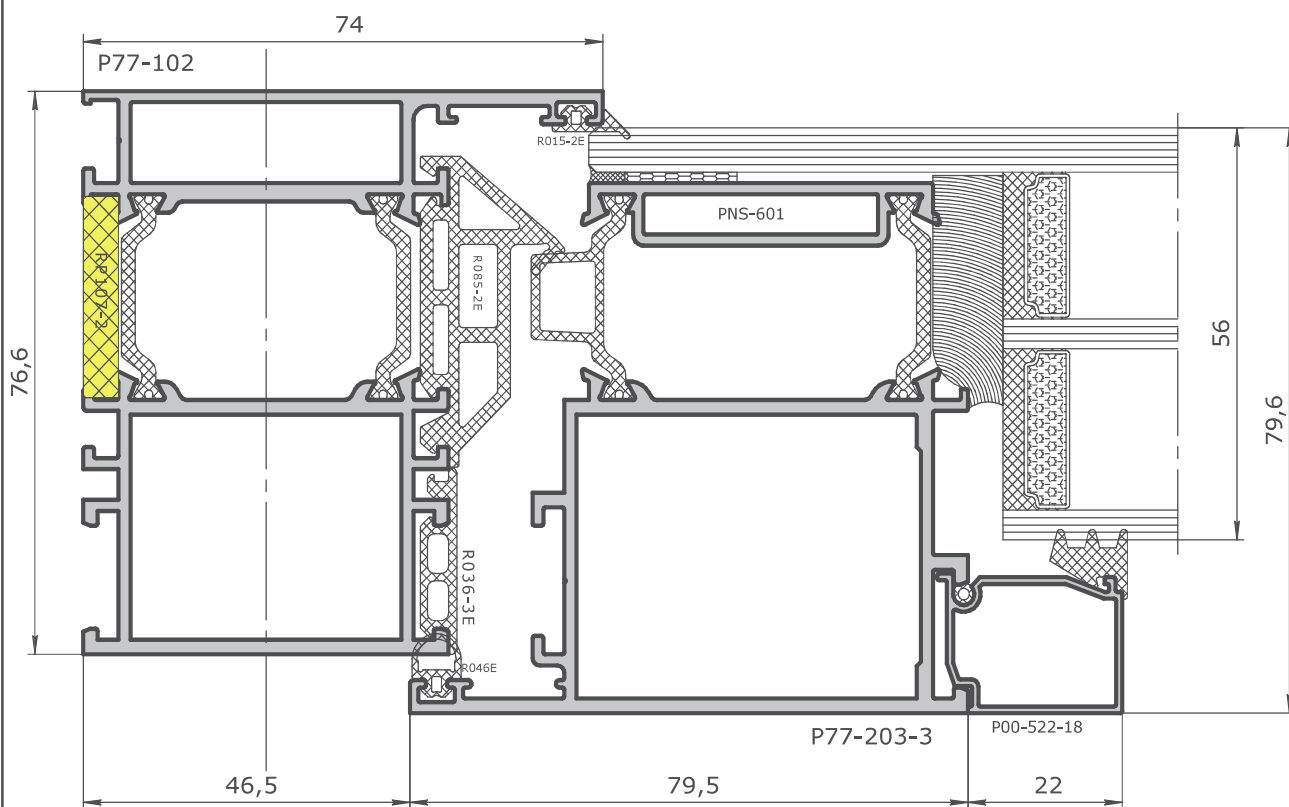
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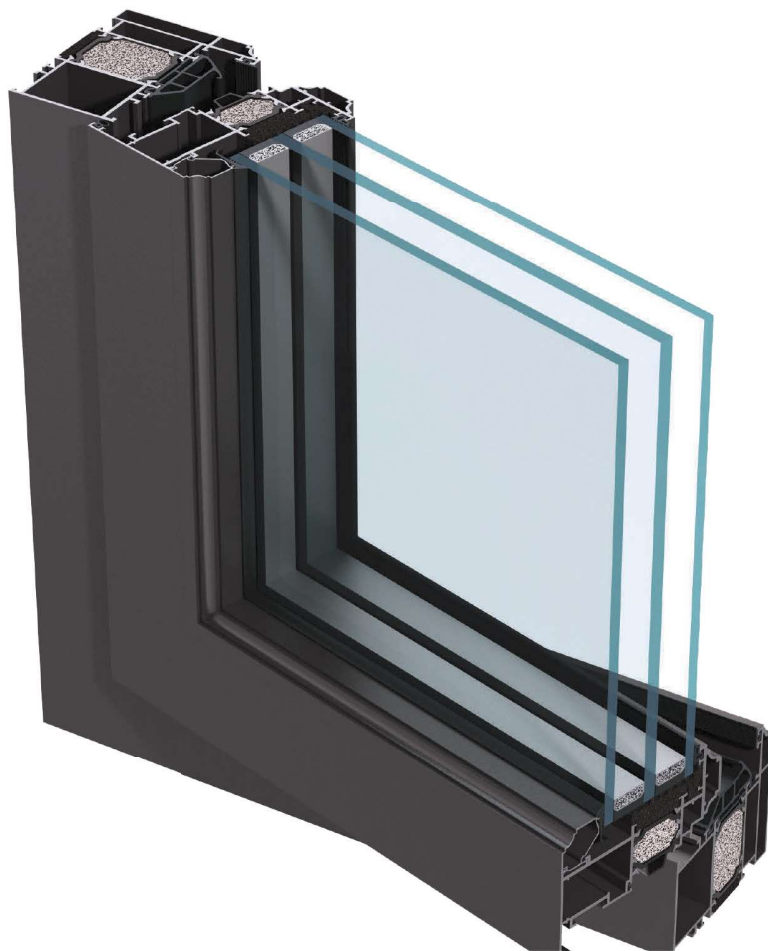
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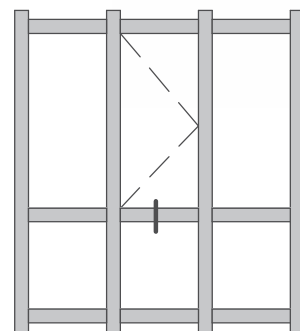
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Techno Classic Series

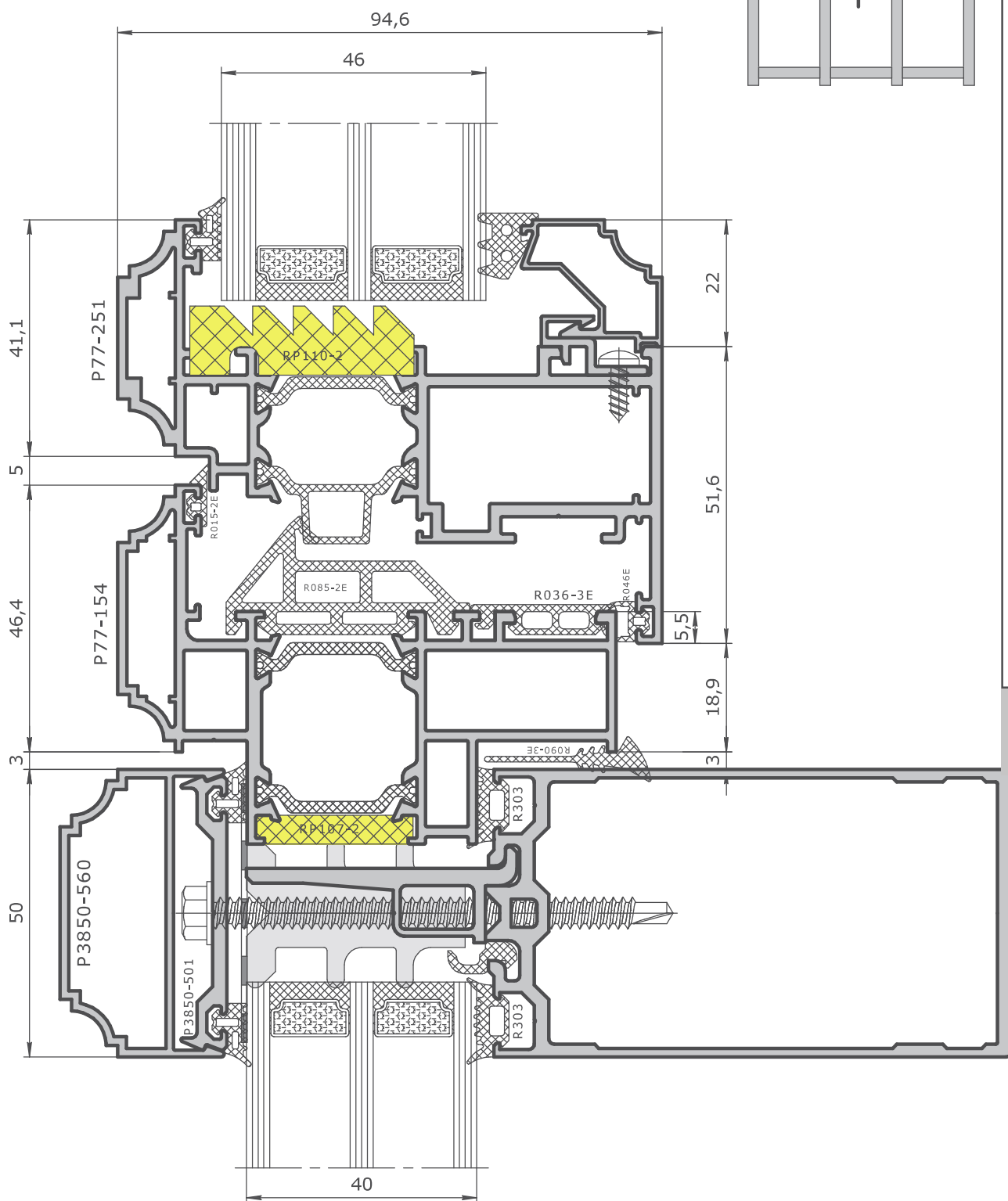
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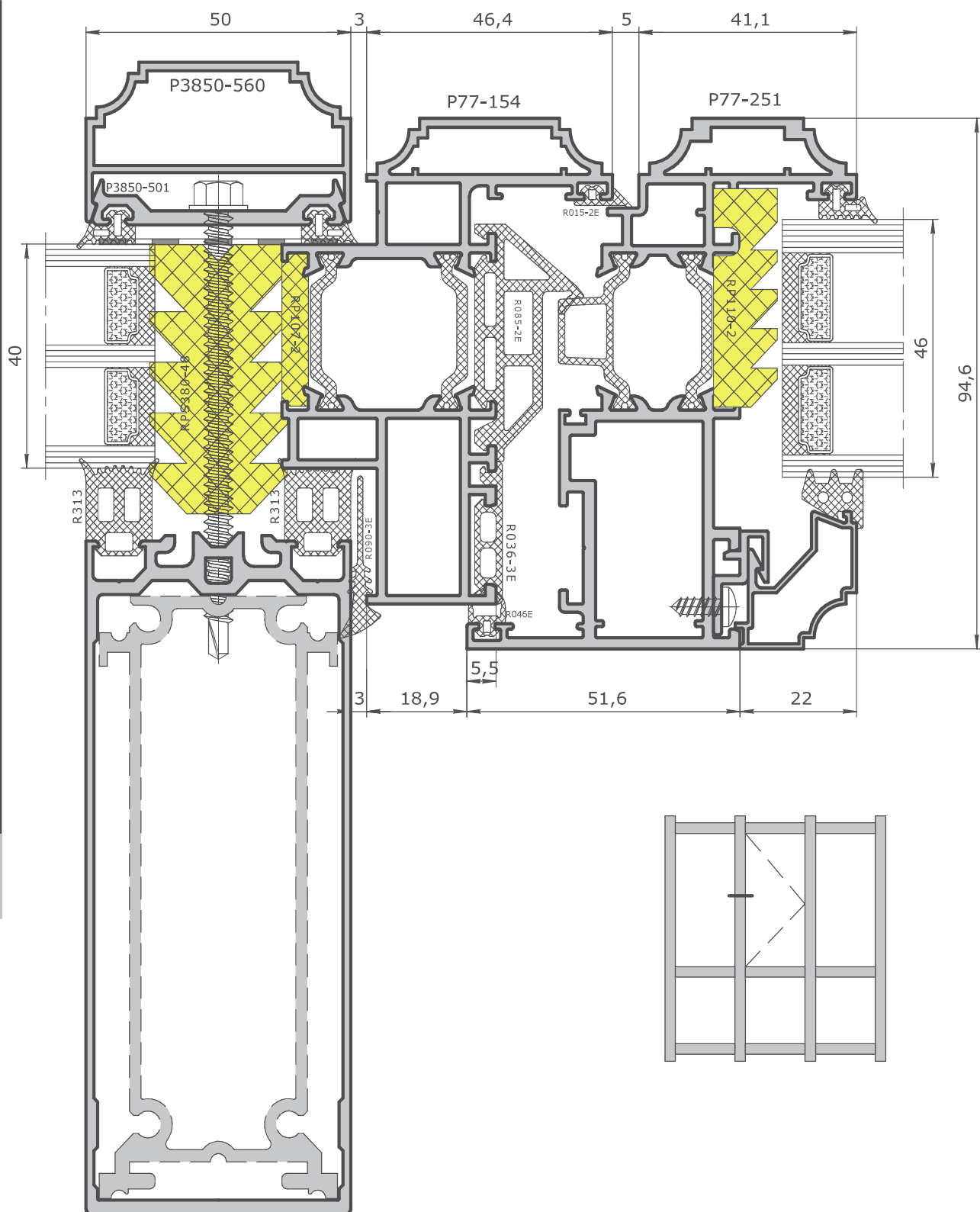
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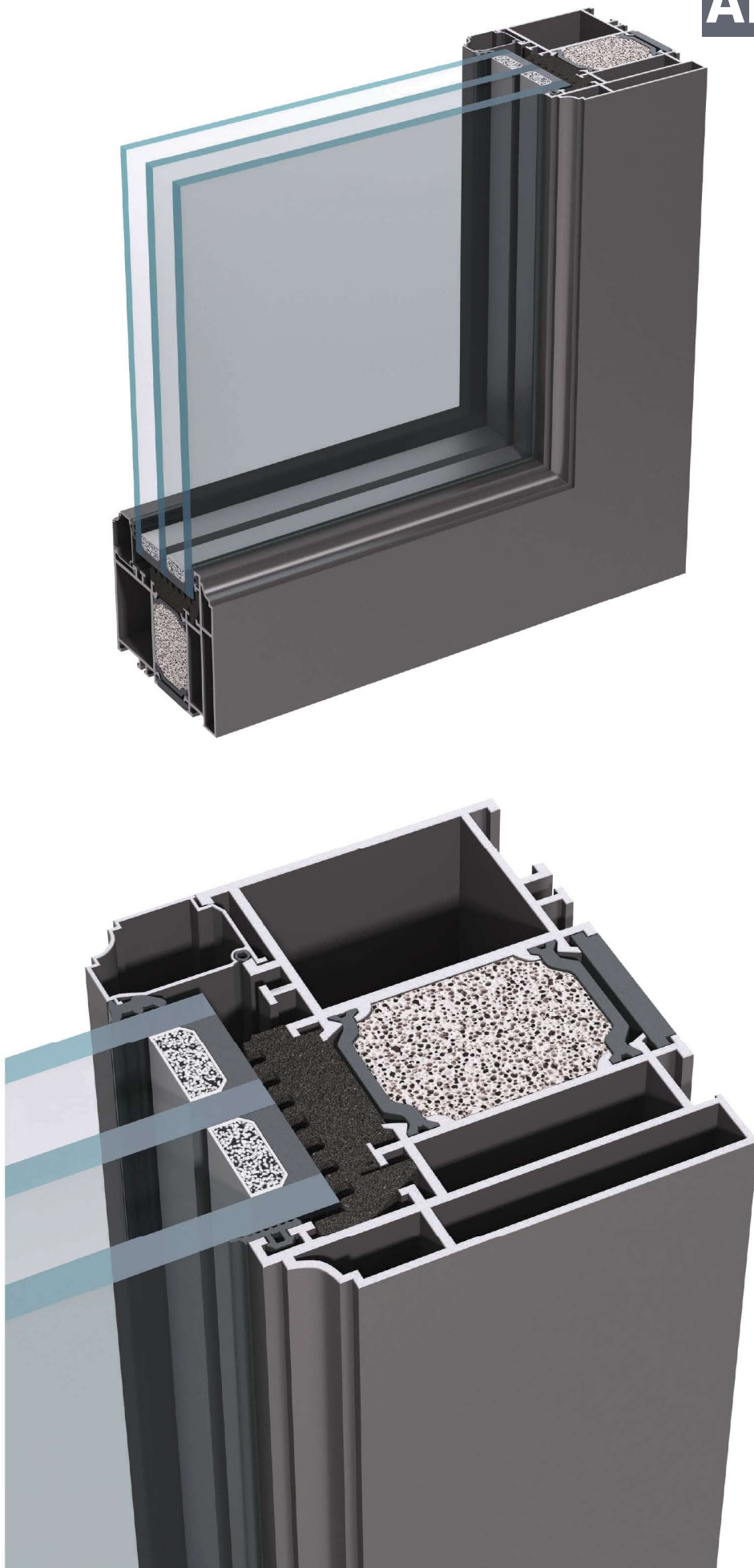
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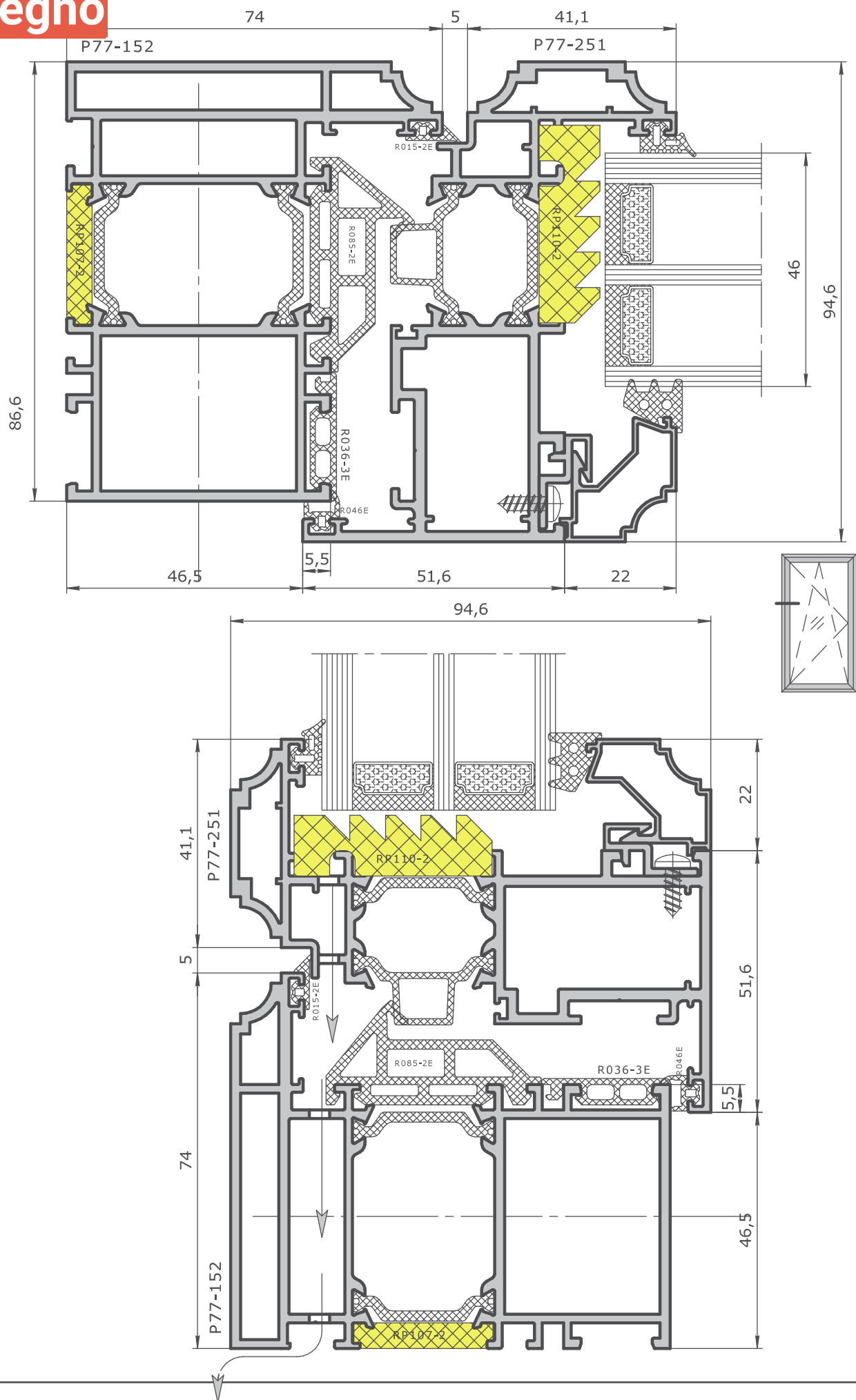


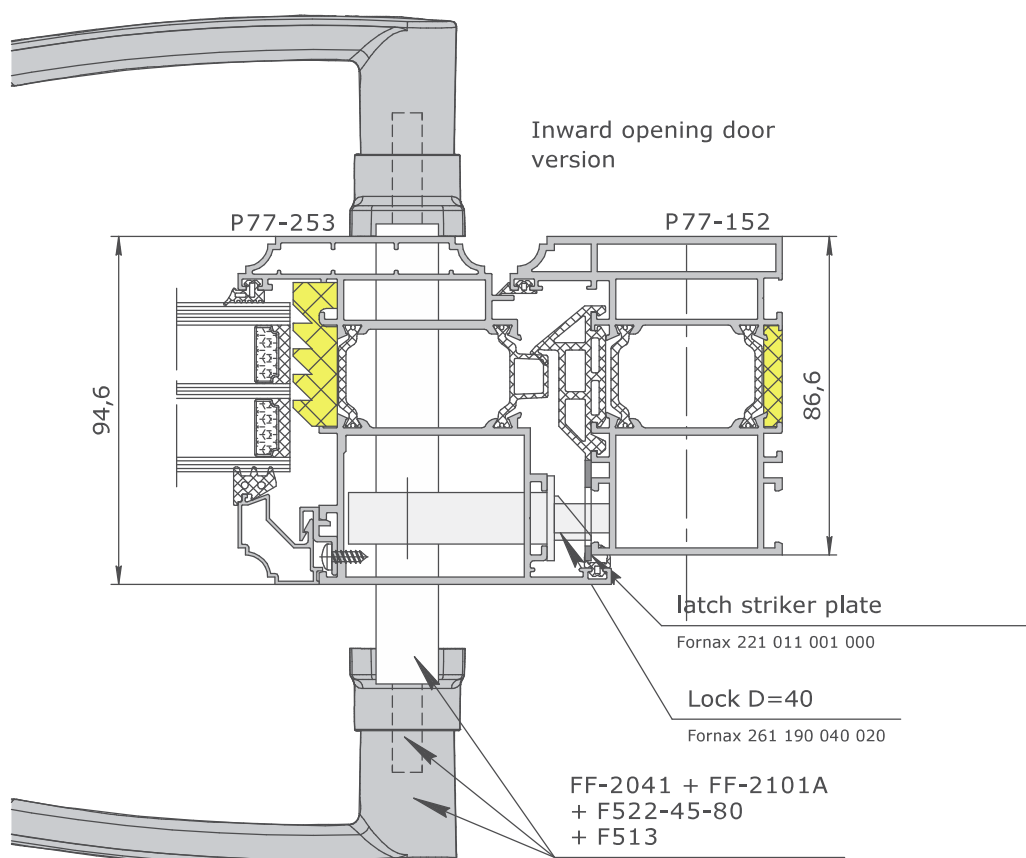
Techno Classic Series

pg.
5.14



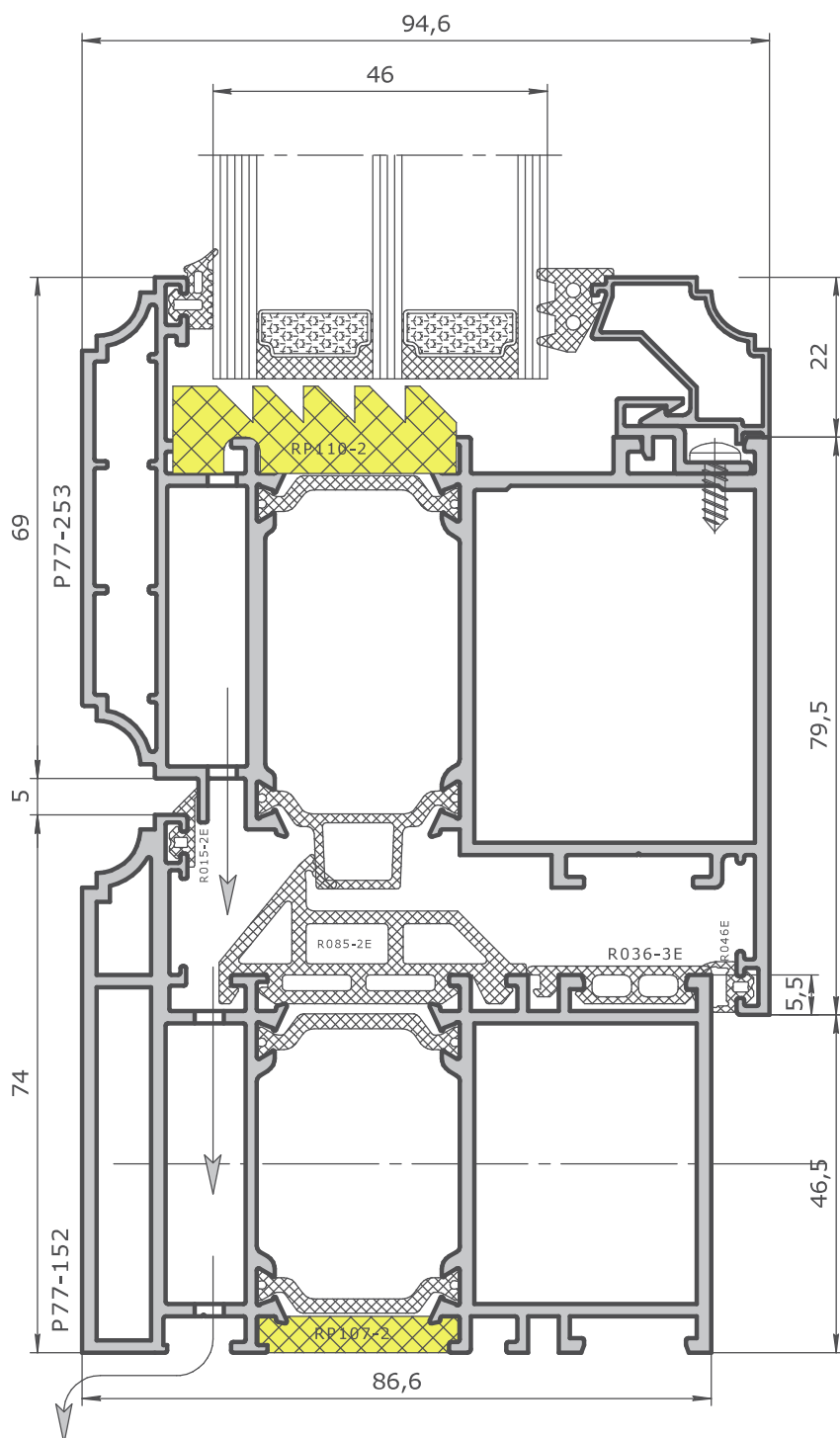


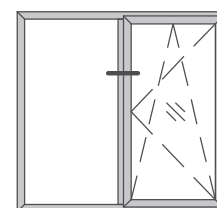


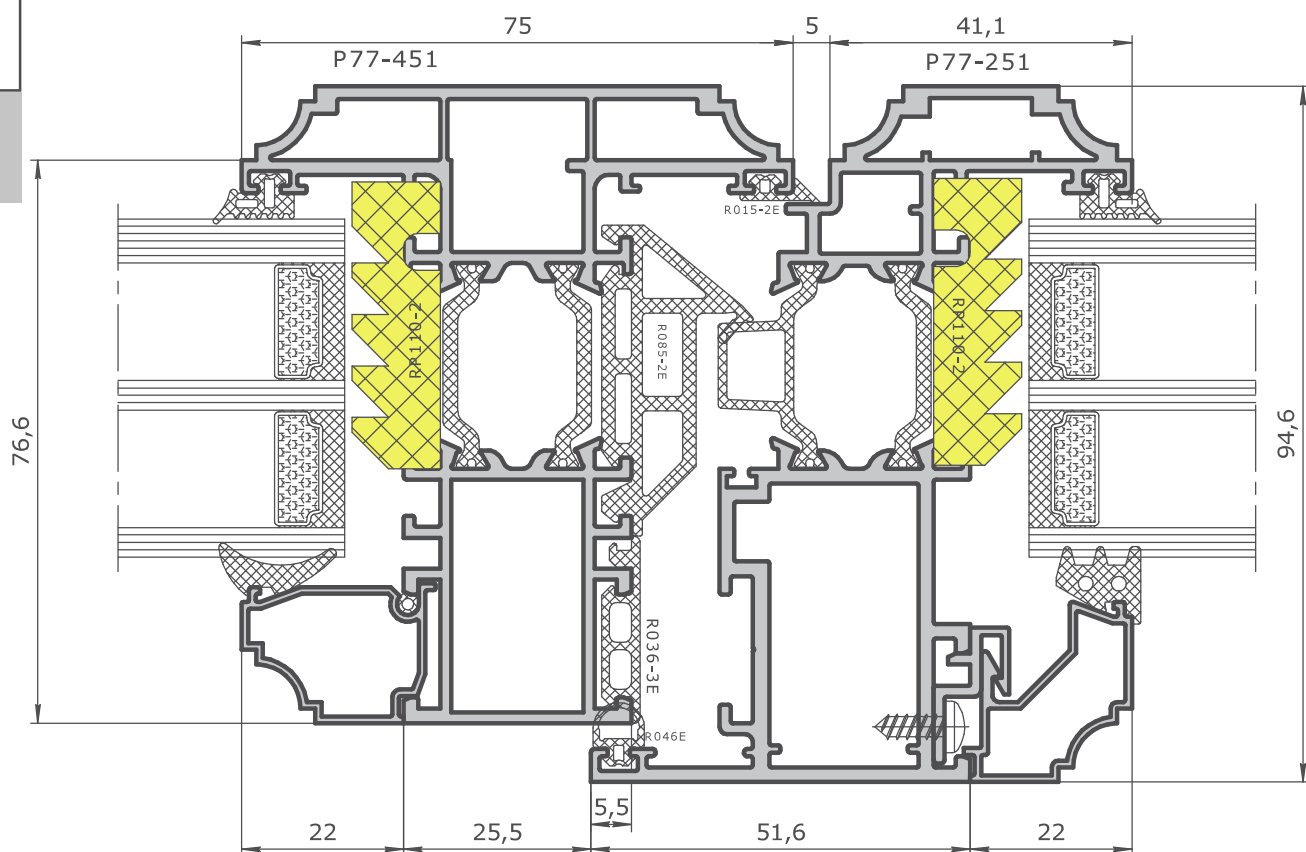
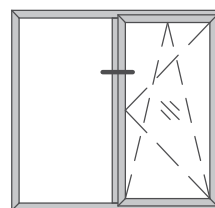
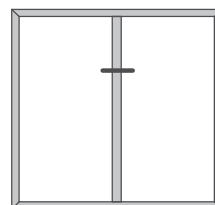
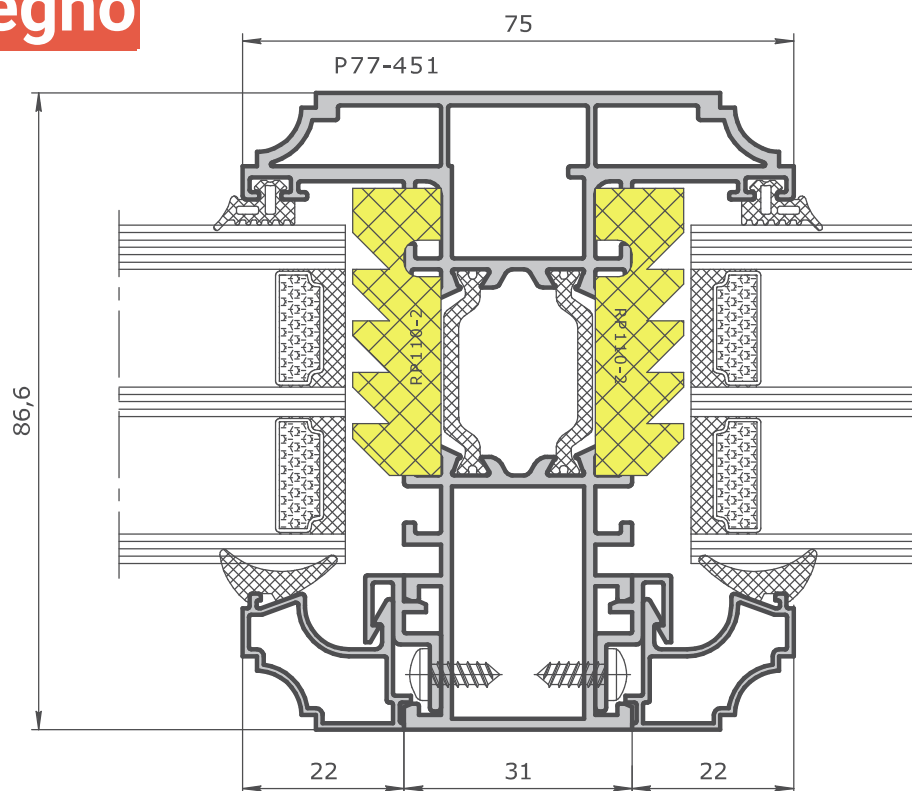
pg
5.17

Techno Classic Series

pg.
5.18



pg.
5.19





Head office

2 Odesskaya str., Moscow, Russia
+7 (499) 558-18-67
www.masttech.ru
info@masttech.ru

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