

nissal
NEWMET



ALS 57 SYSTEM

ALS 57 // 2016

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tehnički opis
technical description

ALS 57

U okviru programa NISSAL NEWMET-a za potrebe građevinarstva, sistem ALS 57 se može smatrati kompletnim sistemom koji zadovoljava sve aktuelne potrebe tržišta i zahteve projekatanta, dizajnera, inženjera, arhitekata, izvodjača i kupaca koji žele da iskoriste estetske i funkcionalne prednosti aluminijumskih konstrukcija.

MOGUĆNOST PRIMENE:

Ovaj sistem aluminijumskih profila bez prekinutog termičkog mosta, okova u sistemu «EVROŽLJEB-a» i EPDM dihtung zaptivki, omogućava izradu bilo kog tipa konstrukcije (prozora, ulaznih vrata, unutrašnjih vrata sa jednim ili više krila i sa mogućnošću otvaranja u polje ili ka unutra, kao i portala, žaluzina, itd).

Aluminijumski profili su sa mekim, zaobljenim ivicama.

TEHNIČKI OPIS SISTEMA:

- Presovani aluminijumski profili od legure AlMgSi0,5 maksimalne prekidne čvrstoće F22 (stanje 91).
- Debljina profila i tolerancije: prema standardu JUS. C.C3.220, odnosno DIN 1748/4
- Debljina ispune/stakla: Različite, od 4 do 32 mm u zavisnosti od vrste upotrebljenih lagsni za držanje stakla.

Within NISSAL NEWMET's construction program for civil engineering, system ALS 57 could be considered as one of the most comprehensive system, prepared to meet all the actual needs of the market, designers, project engineers, architects, contractors and buyers who wish to seize all the esthetic and functional advantages of the aluminum constructions.

IMPLEMENTATION POSSIBILITIES:

This system of aluminum profiles, without the thermal bridge, with <<Euro-groove>> fittings and E.P.D.M. gaskets, is ready to manage any of the following types of constructions: windows, entrance doors, interior doors with one or more sashes and with possibility of choosing the direction, as well as, portals, panel vents, etc. Aluminum profiles are with soft, orbbed edges.

TECHNICAL DESCRIPTION OF THE SYSTEM:

- *Pressed aluminum profiles from the AlMgSi0.5 alloy, with_max. discontinuous load phase F22 (state 91).*
- *Thickness of the profiles and tolerances: according to JUS. C.C3.220, or DIN 1748/4*
- *Thickness of the filling/glass: vary, from 4 – 32 mm, in dependence of glazing bad used.*

GLAVNE KARAKTERISTIKE:

Grupa profila za prozore i vrata omogućava proizvodnju ramova koji sa spoljne strane mogu biti ravni ili zaobljeni sa preklopom od 5 – 6 mm izmedju dovratnika i otvarajućeg krila.

Spajanje ramova na uglovima moguće je na dva načina i to: pomoću komada ugaone uloške od presovanog al. profila fiksirane utiskivanjem i ekspandirajućim lepkom, kao i pomoću dvodelne ugaone uloške koja spaja profile razupiranjem.

POVRŠINSKA OBRADA:

Zaštita i završna obrada površine aluminijumskih profila vrši se bilo postupkom anodne oksidacije – eloksaže, bilo postupkom elektrostatičkog bojenja – lakiranjem.

NISSAL NEWMET vrši završnu obradu svojih profila uz puno poštovanje evropskih standarda (QUALANOD za eloksažu i QUALICOAT za plastifikaciju). Eloksaža u

NISSAL NEWMET-u obavlja se sa potpuno obnovljenom i modernizovanom opremom kapaciteta 24.000A.

Eloksaža se vrši prema EUROCOLOR ton karti, počevši od prirodne boje aluminijuma, preko svetle bronzе, srednje bronzе i tamne bronzе do crne i zlatne.

Anodni sloj je debljine 20 mikrona. Boja eloksaže može biti različita počev od prirodne boje aluminijuma, preko svetle bronzе, do žute i crne.

Sloj poliesterskog praha ima debljinu od 60 do 80 mikrona na glavnim, vidljivim delovima profila.

MAIN CHARACTERISTICS OF THE SYSTEM:

Group of profiles for windows and doors enables manufacturing frames which, from outside, could appear flat or rounded, with overleaf of 5-6 mm between jamb and sash.

Coupling of frames on corners is possible either with a peace of corner joint from pressed Al. profile embedded and glued, or with a split corner joint which connects profiles by means of struts.

SURFACE PROTECTION:

Surface protection is carried out whether with process of anodizing or with process of powder coating.

Both processes are carried out in compliance with strict European standards of "QUALANOD" for anodizing and "QUALICOAT" for powder coating.

Anodizing at NISSAL NEWMET is carried out, with a completely reconstructed and modernized equipment of 24.000A capacity.

Anodizing is carried out according to EUROCOLOR hue card starting with natural color of aluminum, through light bronze, medium bronze and dark bronze, to black and gold.

The thickness of anodic layer is 20 microns, which is necessary for outdoor application of aluminum profiles in civil engineering.

Polyester powder coating layer is 60 – 80 microns thick on the main, visible parts of the profiles.

All colors from RAL hue card are available.

KVALITET:

Kvalitet svih NISSAL NEWMET-ovih proizvoda je garantovan striktno propisanim proizvodnim procedurama – od presovanja aluminijumskih profila i poštovanja odgovarajućih dimenzija i tolerancija u skladu sa JUS C.C3.220, odnosno DIN 1748/4, preko procesa eloksiranja ili plastificiranja aluminijumskih profila u skladu sa evropskim QUALICOAT i QUALANOD standardima, pa do nabavke i ugradnje svih pratećih materijala (spojnica, EPDM zaptivki itd.) i okova od renomiranih evropskih proizvođača.

Kompletan proces, odnosno svaki segment, proizvodnje se pažljivo i detaljno prati i kontroliše, a kvalitet kompletnog procesa potvrđen je i znakom kvaliteta po standardu ISO 9001.

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Proizvodjač zadržava pravo vršenja
konstruktivnih izmena bez prethodne najave.

QUALITY:

All NISSAL NEWMET's products have a quality which is guaranteed through strictly determined procedures – from aluminum profiles extrusion in accordance with JUS C.C3.220 and DIN 1748/4 standard, through the process of anodization and electrostatic powder coating in accordance with European "QULANOD" and "QUALICOAT" standards, to supply of all accessories (corner joints, EPDM gaskets, fittings, etc.) from prominent European suppliers.

Complete process and every segment of production is carefully and in detail supervised and controlled, and the quality of complete process is validated with the sign of quality standard ISO 9001.

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NISSAL NEWMETa.d. holds a right of making
structural changes without prior nouncement.

segment A

prateći materijal
accessories

ALS
57

A

1



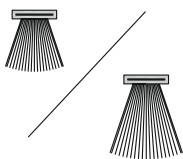
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GK 1		unutrašnji dihtung krila / rear sash gasket <i>materijal/material: EPDM</i>	57 21 57 22 57 23	$\frac{m'}{180}$
GS		spoljašnji dihtung krila / front sash gasket <i>materijal/material: EPDM</i>	57 11 57 12 57 13 57 31 57 32 57 33 57 35 57 41	$\frac{m'}{150}$
GC 57		centralni dihtung / central gasket <i>materijal/material: EPDM</i>	57 11 57 12 57 13 57 31 57 32 57 33 57 35 57 41	$\frac{m'}{80}$
GP 1		prednji naslon za staklo / front glass support d=4 mm <i>materijal/material: EPDM</i>	Za sva krila, štokove i "T" profile For all sashes, frames, "T" profiles	$\frac{m'}{110}$
GZ 1		zadnji naslon za staklo / rear glass support d=3 mm <i>materijal/material: EPDM</i>	Za sve kit lajsne For all glazing beads	$\frac{m'}{207}$
GZ 2		zadnji naslon za staklo / rear glass support d=4 mm <i>materijal/material: EPDM</i>	Za sve kit lajsne For all glazing beads	$\frac{m'}{150}$
GZ 3		zadnji naslon za staklo / rear glass support d=5 mm <i>materijal/material: EPDM</i>	Za sve kit lajsne For all glazing beads	$\frac{m'}{130}$

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57

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2



oznaka code	izgled design	opis description	veza sa connected to	jed. mere / pakovanje unit / pack
GPR		dihtung praga / threshold gasket <i>materijal/material: EPDM</i>	57 54	$\frac{m'}{100}$
Č 7 / Č 10		četkica / brush 7 mm / 10 mm	57 53 57 54	m'

ALS
57

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3



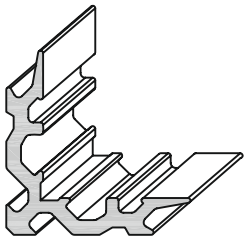
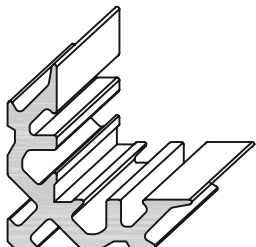
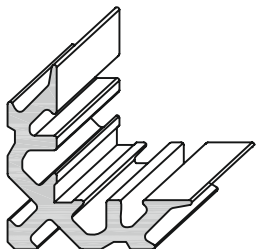
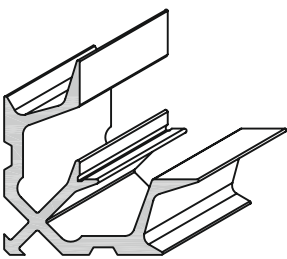
oznaka code	izgled design	opis description	veza sa connected to	jed. mere / pakovanje unit / pack
P 57 D		zatvarač srednje dopune / central rabbet cap <i>materijal/material:</i> <i>poliamid / polyamide</i>	57 41	$\frac{\text{kom/pcs}}{100}$
PO		maska drenažnog otvora / drining hole plug <i>materijal/material:</i> <i>polipropilen /</i> <i>polypropylene</i> <i>boja/ color:</i> <i>crno, belo, bronza, srebrno</i> <i>black, white, bronze, silver</i>	Za sve štokove For all frames	
PN		nosač kajle / bottom glass support <i>materijal/material:</i> <i>poliamid / polyamide</i>	Za sva krila For all sashes	
P 57 V1		Zatvarač vertikalne krila vrata (otv.unutra) / Door verticale profile plug (inward opening direction) <i>materijal/material:</i> <i>poliamid / polyamide</i>	57 22	
P 57 V2		Zatvarač vertikalne krila vrata (otv.spolja) / Door verticale profile plug (outward opening direction) <i>materijal/material:</i> <i>poliamid / polyamide</i>	57 23	
P 57 V3		zatvarač srednje dopune / central rabbet cap <i>materijal/material:</i> <i>poliamid / polyamide</i>	57 41	

ALS
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4



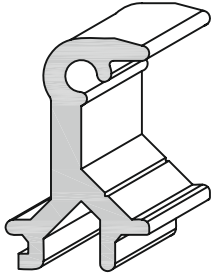
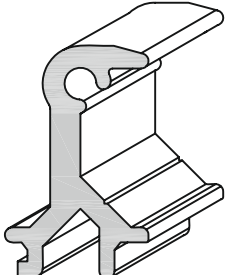
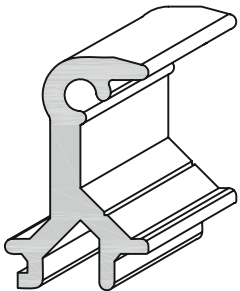
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S 15 - 44		ugaona spojnica (M - 5224) / extruded corner joint (M - 5224) L=44 mm <i>materijal/material:</i> <i>aluminijum/aluminum</i>	57 11 57 12 57 21	$\frac{\text{kom/pcs}}{20}$
S 20 - 27		ugaona spojnica (M - 5225) / extruded corner joint (M - 5225) L=27 mm <i>materijal/material:</i> <i>aluminijum/aluminum</i>	57 13	$\frac{\text{kom/pcs}}{20}$
S 20 - 44		ugaona spojnica (M 5225) / extruded corner joint (M 5225) L=44 mm <i>materijal/material:</i> <i>aluminijum/aluminum</i>	57 22 57 23	$\frac{\text{kom/pcs}}{20}$
S 40 - 44		ugaona spojnica (M 4954) / extruded corner joint (M 4954) L=44 mm <i>materijal/material:</i> <i>aluminijum/aluminum</i>	57 22 57 23	$\frac{\text{kom/pcs}}{8}$

ALS
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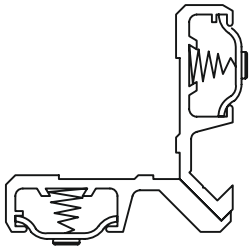
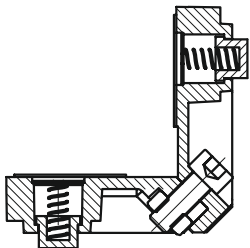
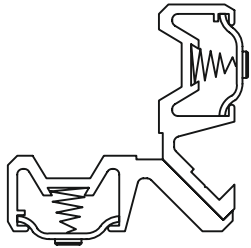
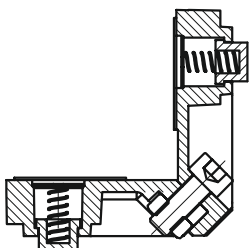
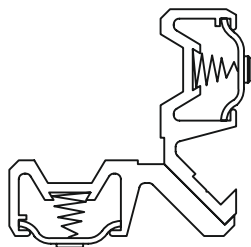
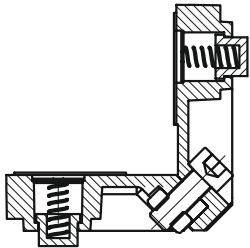
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SS 21		sučeona spojnica (M 5227) / extruded joint (M 5227) L=21 mm <i>materijal/material:</i> <i>aluminijum/aluminum</i>	57 31	$\frac{\text{kom/pcs}}{40}$
SS 33		sučeona spojnica (M 5227) / extruded joint (M 5227) L=33 mm <i>materijal/material:</i> <i>aluminijum/aluminum</i>	57 32	$\frac{\text{kom/pcs}}{20}$
SS63		sučeona spojnica (M 5227) / extruded joint (M 5227) L=63 mm <i>materijal/material:</i> <i>aluminijum/aluminum</i>	57 35	$\frac{\text{kom/pcs}}{20}$

ALS
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A

6



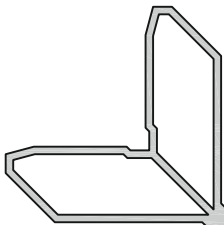
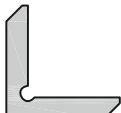
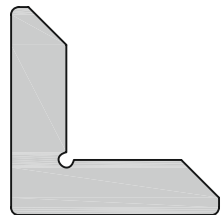
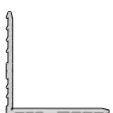
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MS 15.2		montažna spojnica / assembly joint materijal/material: aluminijum - aluminum	57 11 57 12 57 21	kom/pcs 20
LMS 15.2		livena spojnica / founded assembly joint materijal/material: aluminijum - aluminum	57 11 57 12 57 21	kom/pcs 20
MS 20.1		montažna spojnica / assembly joint materijal/material: aluminijum - aluminum	57 13	kom/pcs 20
LMS 20.1		livena spojnica / founded assembly joint materijal/material: aluminijum - aluminum	57 13	kom/pcs 20
MS 20.2		montažna spojnica / assembly joint materijal/material: aluminijum - aluminum	57 22 57 23	kom/pcs 20
LMS 20.2		livena spojnica / founded assembly joint materijal/material: aluminijum - aluminum	57 22 57 23	kom/pcs 20

ALS
57

A

7



oznaka code	izgled design	opis description	veza sa connected to	jed. mere / pakovanje unit / pack
D 20.2		dopuna ugaone spojnice / add-on to the assembly joint <i>materijal/material:</i> aluminijum - aluminum	57 22 57 23	$\frac{\text{kom/pcs}}{20}$
U 1.2		uglić - mali / corner alignment - small L=2.0 mm <i>materijal/material:</i> čelik/ steel	Za sva krila i štokove For all sashes & frames	$\frac{\text{kom/pcs}}{80}$
U 2		uglić - veliki / corner alignment - large L=1.5 mm <i>materijal/material:</i> čelik/ steel	Za sva krila For all sashes	$\frac{\text{kom/pcs}}{80}$
S 3- 44		ugaona spojница (M -4865) / extruded corner joint (M - 4865) L=44 mm <i>materijal/material:</i> aluminijum/aluminum	57 32	$\frac{\text{kom/pcs}}{40}$

segment B

pregled profila
structural elements
overview

ALS
57

B

1



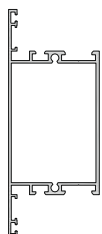
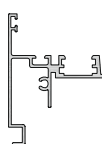
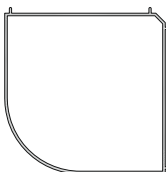
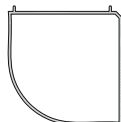
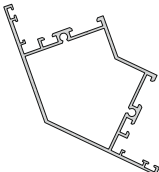
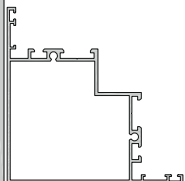
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57 11		štok / frame	0.990	$I_x = 5.0198$ $I_y = 14.5603$	$\frac{\text{kom/pcs}}{2}$	C1
57 12 *		štok / frame	0.970	$I_x = 5.0345$ $I_y = 13.4107$	$\frac{\text{kom/pcs}}{2}$	C1
57 13		štok / frame	1.390	$I_x = 11.0227$ $I_y = 28.3127$	$\frac{\text{kom/pcs}}{2}$	C1
57 21		krilo / sash	1.090	$I_x = 5.1167$ $I_y = 19.9090$	$\frac{\text{kom/pcs}}{2}$	C2
57 22		krilo / sash	1.350	$I_x = 35.7525$ $I_y = 14.2176$	$\frac{\text{kom/pcs}}{2}$	C2
57 23		krilo / sash	1.350	$I_x = 28.5129$ $I_y = 20.1782$	$\frac{\text{kom/pcs}}{2}$	C3
57 31		"T" profil / "T" profile	1.150	$I_x = 12.0602$ $I_y = 11.5208$	$\frac{\text{kom/pcs}}{2}$	C3
57 32		"T" profil / "T" profile	1.270	$I_x = 22.5817$ $I_y = 15.6182$	$\frac{\text{kom/pcs}}{2}$	C4
57 33 *		"T" profil / "T" profile	0.987	$I_x = 6.4464$ $I_y = 10.2556$	$\frac{\text{kom/pcs}}{2}$	C4

ALS
57

B

2



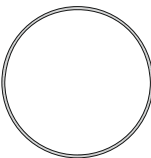
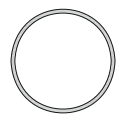
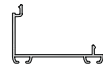
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57 35		"T" profil / "T" profile	1.550	I _x = 56.9839 I _y = 18.8967	$\frac{\text{kom/pcs}}{2}$	C5
57 41		Srednja dopuna/ Central rabbet	0.973	I _x = 7.699 I _y = 11.6402	$\frac{\text{kom/pcs}}{2}$	C5
57 U1 *		Dopuna za 90°/ Rabbet for 90°	1.227	I _x = 44.5359 I _y = 56.5639	$\frac{\text{kom/pcs}}{2}$	C6
57 U2 *		Dopuna za 90°/ Rabbet for 90°	0.862	I _x = 19.6884 I _y = 14.5873	$\frac{\text{kom/pcs}}{2}$	C6
57 U3*		Dopuna za 135°/ Rabbet for 135°	1.790	I _x = 16.2086 I _y = 48.3967	$\frac{\text{kom/pcs}}{2}$	C7
57 U4*		Dopuna za 90°/ Rabbet for 90°	1.670		$\frac{\text{kom/pcs}}{2}$	C7

ALS
57

B

3



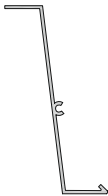
oznaka code	izgled design 1:4	opis description	G Kg/m	Ix / Iy cm ⁴	Pakovanje sadrži šipke od 6 m Package contains 6 m bars	strana page
57 04 *		Dopuna / Rabbet	0.666	Ix = 28.3390 Iy = 28.3390	$\frac{\text{kom/pcs}}{1}$	C8
57 05 *		Dopuna / Rabbet	0.450	Ix = 11.6413 Iy = 11.6413	$\frac{\text{kom/pcs}}{1}$	C8
57 02 *		Dopuna štoka/ Frame rabbet	0.507	Ix = 0.461 Iy = 14.6382	$\frac{\text{kom/pcs}}{2}$	C8
57 03 *		Dopuna štoka / Frame rabbet	0.373	Ix = 0.189 Iy = 5.5204	$\frac{\text{kom/pcs}}{2}$	C8
57 01		Prag / Treshold	0.369	Ix = 0.166 Iy = 2.4017	$\frac{\text{kom/pcs}}{1}$	C9
57 51		Dopuna štoka/ Frame rabbet	0.383	Ix = 0.7035 Iy = 6.258	$\frac{\text{kom/pcs}}{2}$	C9
57 53		Nosač četkice / Door brush rabbet seal	0.336	Ix = 0.6073 Iy = 3.9694	$\frac{\text{kom/pcs}}{2}$	C9
57 54		Nosač četkice / Door brush rabbet seal	0.314	Ix = 0.0468 Iy = 2.9224	$\frac{\text{kom/pcs}}{2}$	C9

ALS
57

B

4



oznaka code	izgled design 1:4	opis description	G Kg/m	I_x / I_y cm ⁴	Pakovanje sadrži šipke od 6 m Package contains 6 m bars	strana page
OK 1	 (1:2)	Okapnica / Water drainage	0.150		$\frac{\text{kom/pcs}}{2}$	C10
OK 100		Okapnica / Water drainage	0.750		$\frac{\text{kom/pcs}}{1}$	C10
K 1	 (1:2)	Klizač / Skater	0.130		$\frac{\text{kom/pcs}}{6}$	C9

ALS
57

B

5



oznaka code	izgled design 1:4	opis description	G Kg/m	I_x / I_y cm ⁴	Pakovanje sadrži šipke od 6 m Package contains 6 m bars	strana page
KL 30.1		Kit lajsna / Glazing bead	0.345		$\frac{\text{kom/pcs}}{6}$	C11
KL 25.1		Kit lajsna / Glazing bead	0.329		$\frac{\text{kom/pcs}}{6}$	C11
KL 21.1 *		Kit lajsna / Glazing bead	0.315		$\frac{\text{kom/pcs}}{6}$	C11
KL 17.1 *		Kit lajsna / Glazing bead	0.278		$\frac{\text{kom/pcs}}{6}$	C11
KL 13.1		Kit lajsna / Glazing bead	0.263		$\frac{\text{kom/pcs}}{6}$	C12
KL 10.1 *		Kit lajsna / Glazing bead	0.260		$\frac{\text{kom/pcs}}{6}$	C12
KL 4.1		Kit lajsna / Glazing bead	0.197		$\frac{\text{kom/pcs}}{6}$	C12

- * iporučuju se po posebnoj narudžbini
- * on demand

segment C

profili
profiles

ALS
57

C

1

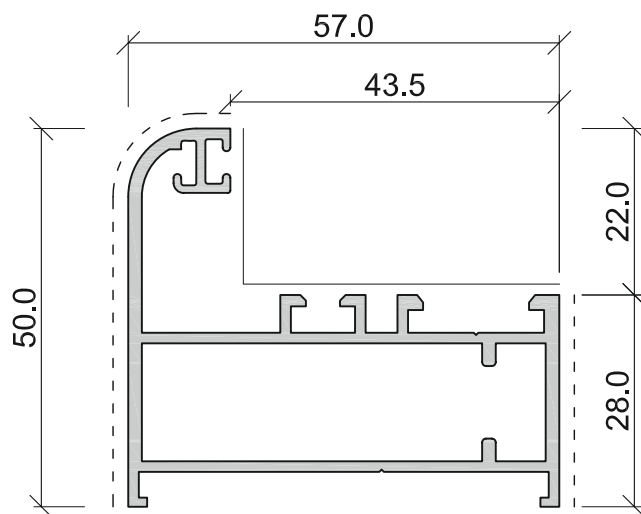


57 11

(ŠP 1629)

Štok / Frame

0.990 Kg/m'

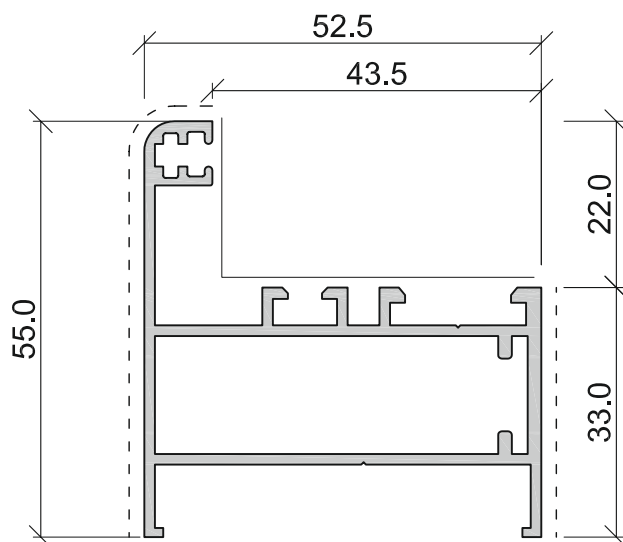


57 12 *

(ŠP 1630)

Štok / Frame

0.970 Kg/m'

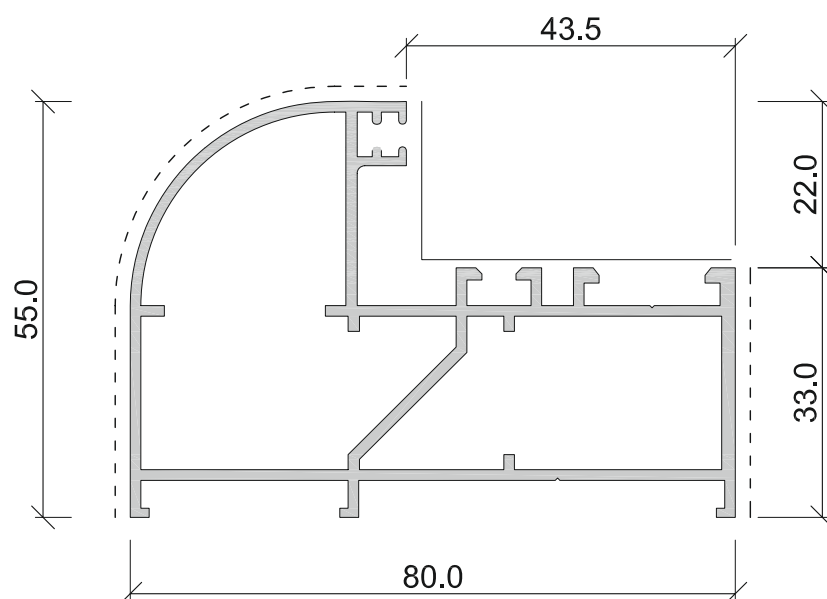


57 13

(ŠP 1631)

Štok / Frame

1.390 Kg/m'



----- vidna površina

————— povremeno vidna površina

* iporučuju se po posebnoj narudžbini

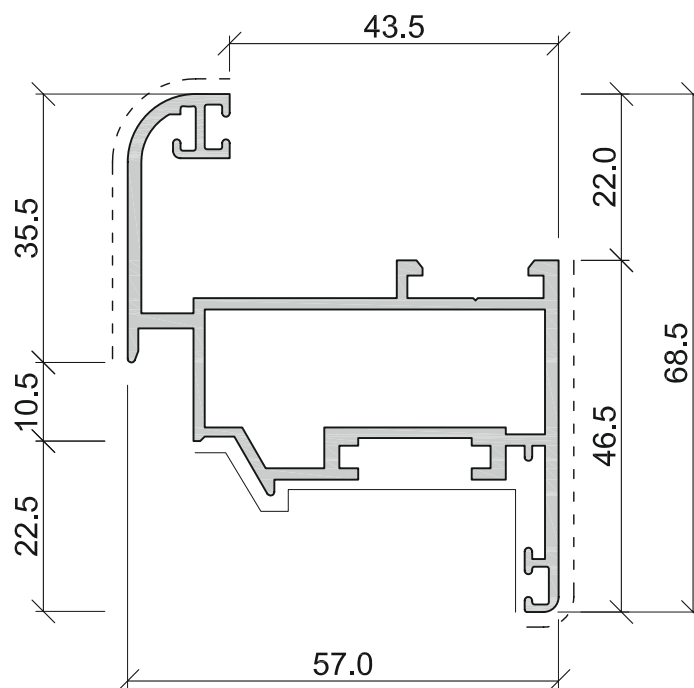
* on demand

57 21

(ŠP 1632)

Krilo / Sash

1.090 Kg/m'

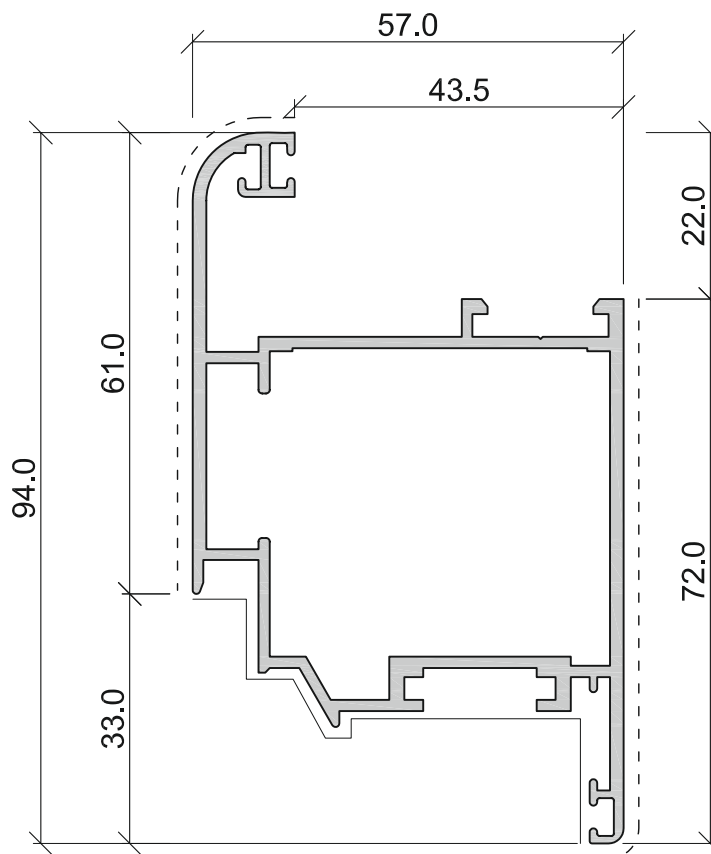


57 22

(ŠP 1633)

Krilo / Sash

1.350 Kg/m'

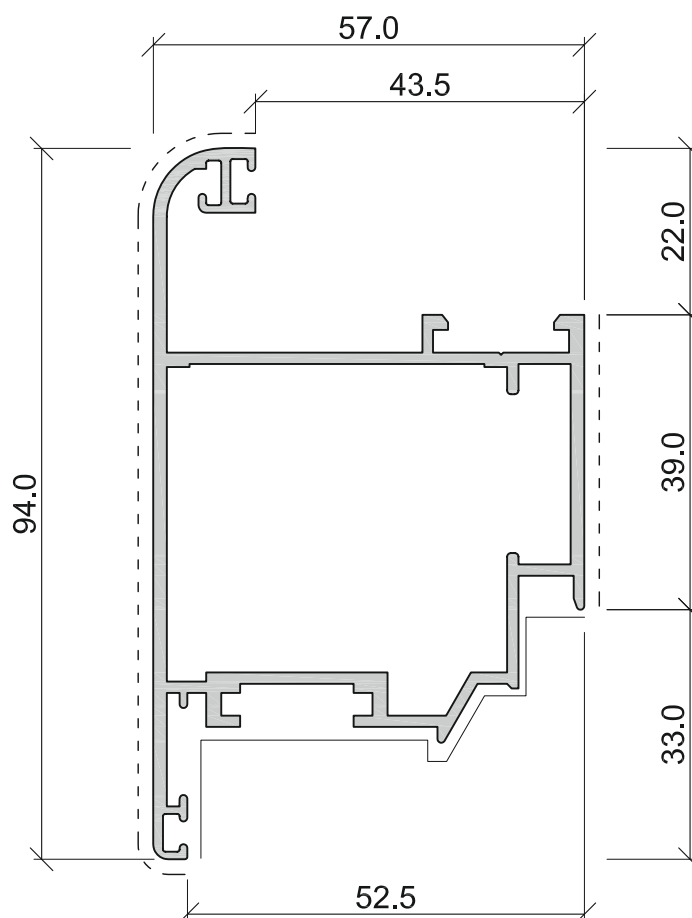


57 23

(ŠP 1634)

Krilo / Sash

1.350 Kg/m'

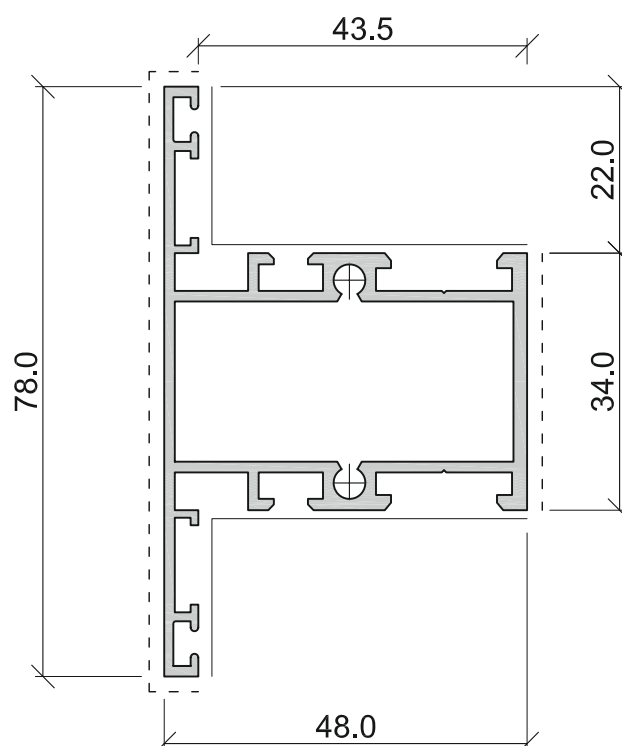


57 31

(ŠP 1635)

"T" profil / "T" profile

1.150 Kg/m'



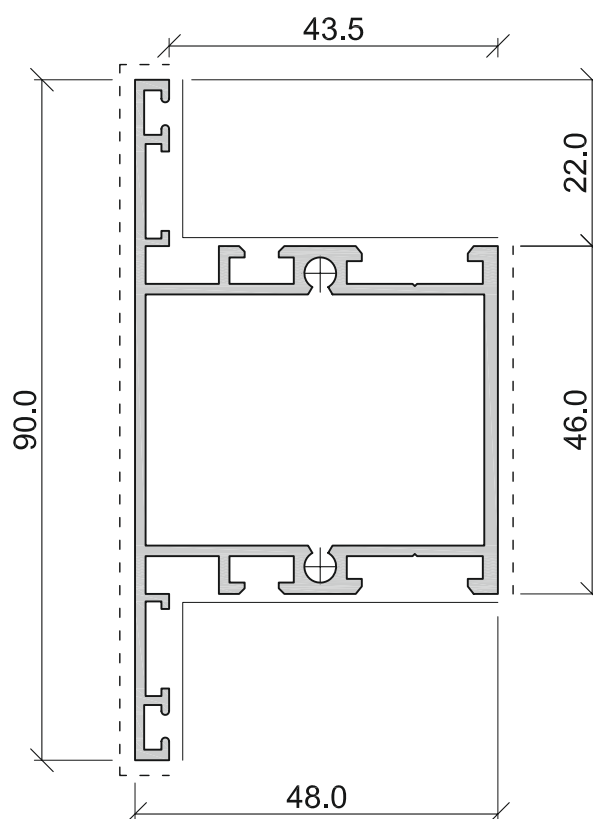
-----	vidna površina	*	iporučuju se po posebnoj narudžbini
—————	povremeno vidna površina	*	on demand

57 32

(ŠP 1498)

"T" profil / "T" profile

1.270 Kg/m'

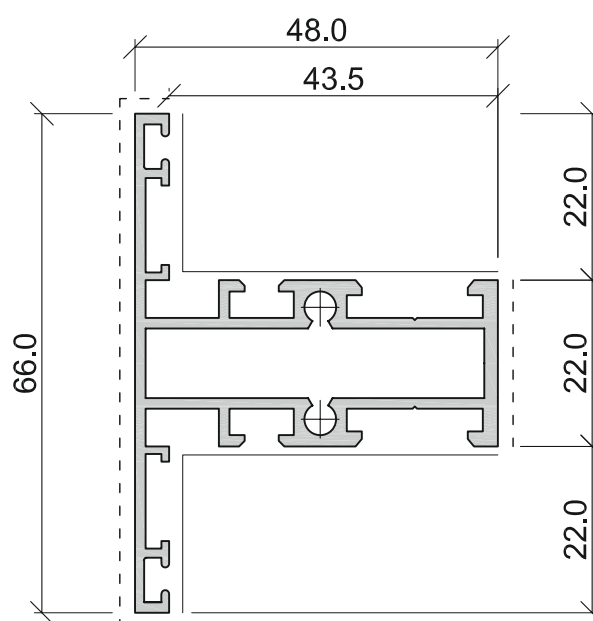


57 33 *

(ŠP 1395)

"T" profil / "T" profile

0.987 Kg/m'



----- vidna površina

————— povremeno vidna površina

* iporučuju se po posebnoj narudžbini

* on demand

ALS
57

C

5

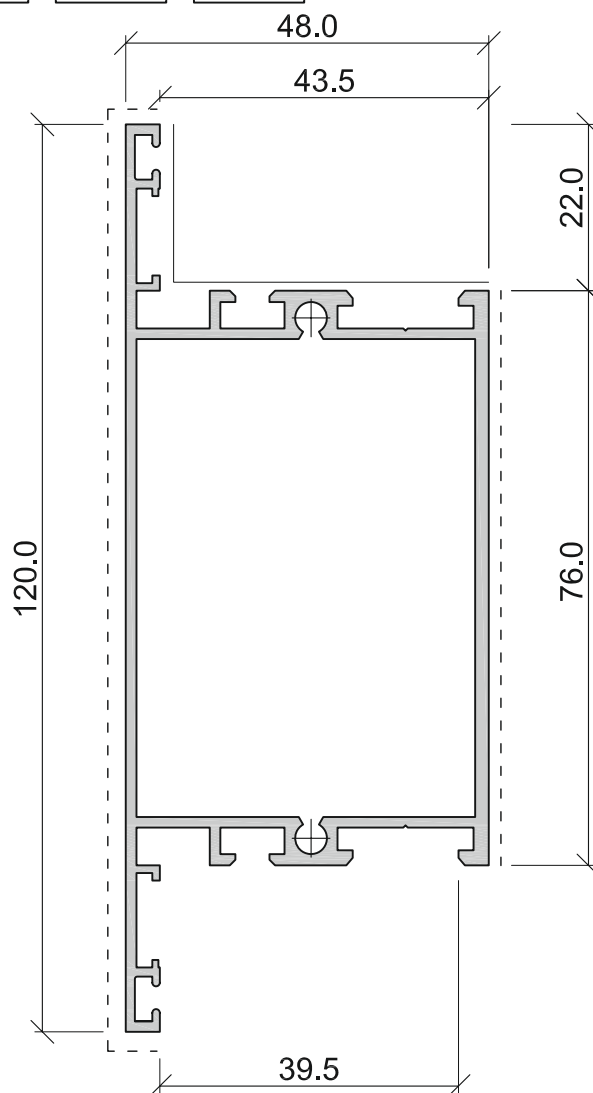


57 35

(ŠP 1625)

Parapetni profil / Bottom profile

1.550 Kg/m'

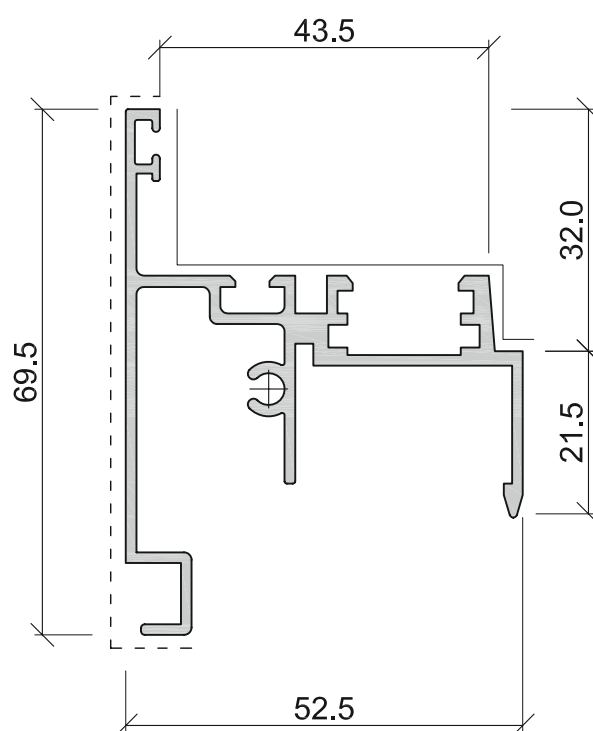


57 41

(M 4996)

Srednja dopuna / Central rabbet

0.973 Kg/m'



vidna površina

povremeno vidna površina

* iporučuju se po posebnoj narudžbini

* on demand

ALS
57

C

6

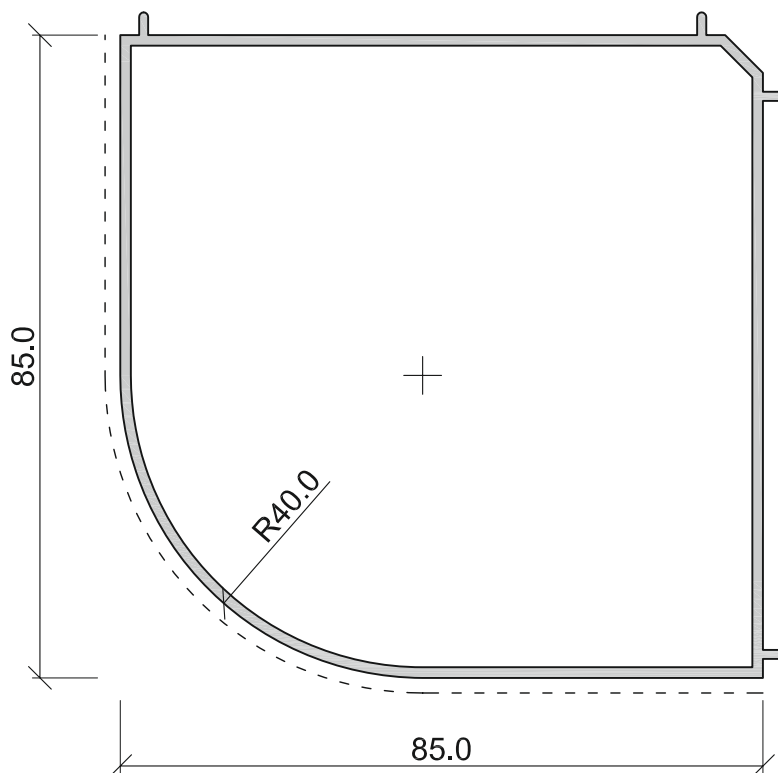


57 U1 *

(ŠP 1406)

Dopuna za < 90°/
Rabbet for < 90°

1.227 Kg/m'

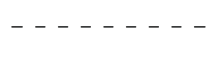
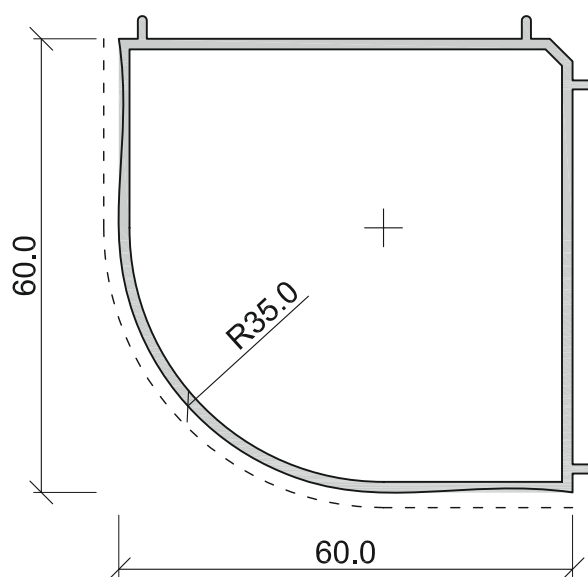


57 U2 *

(ŠP 1407)

Dopuna za < 90°/
Rabbet for < 90°

0.862 Kg/m'



vidna površina

povremeno vidna površina

* iporučuju se po posebnoj narudžbini

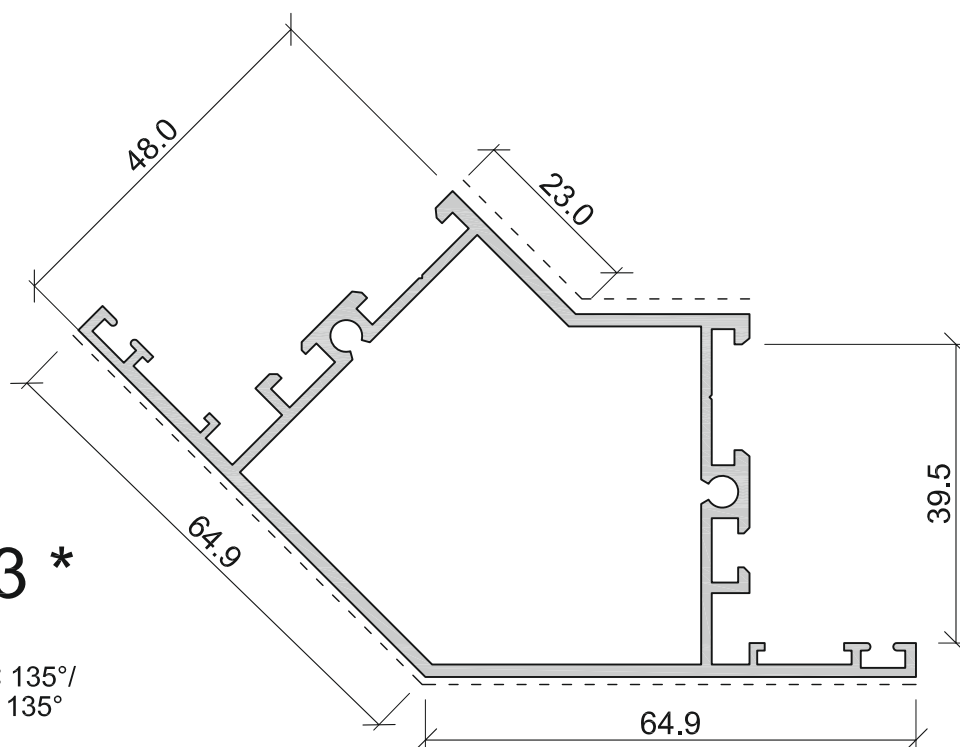
* on demand

57 U3 *

(ŠP 1545)

Dopuna za < 135°/
Rabbet for < 135°

1.790 Kg/m'

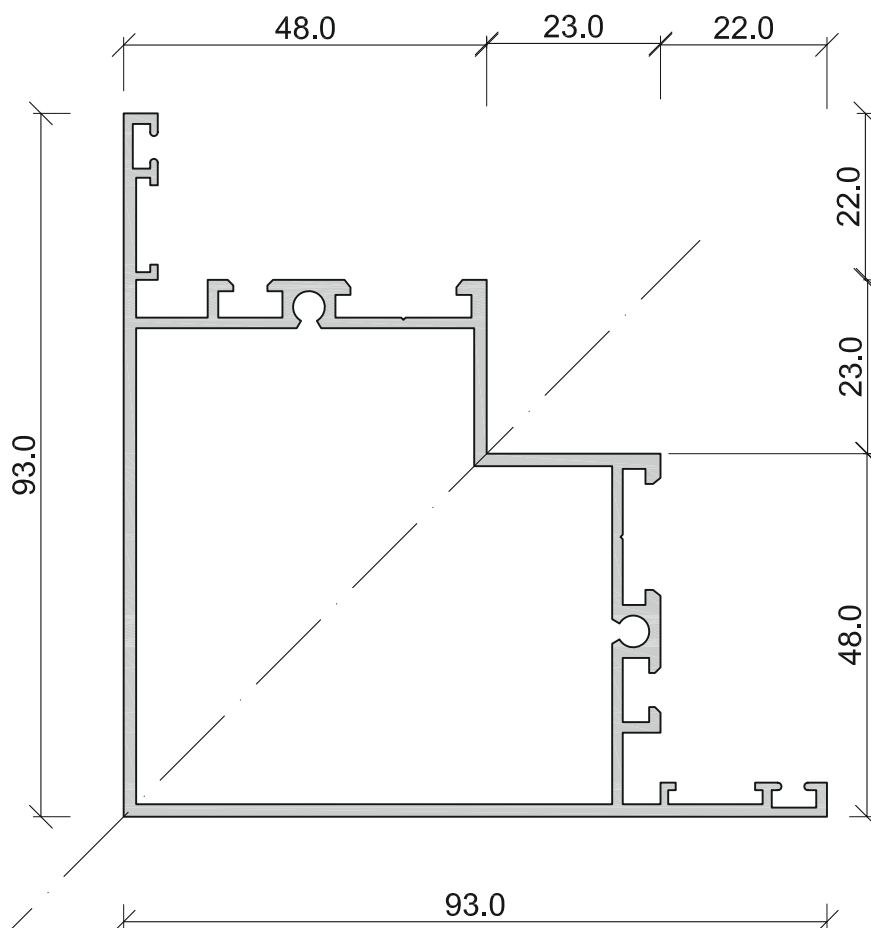


57 U4 *

(ŠP 1788)

Dopuna za < 90°/
Rabbet for < 90°

1.670 Kg/m'



----- vidna površina

----- povremeno vidna površina

* iporučuju se po posebnoj narudžbini

* on demand

ALS
57

C

8

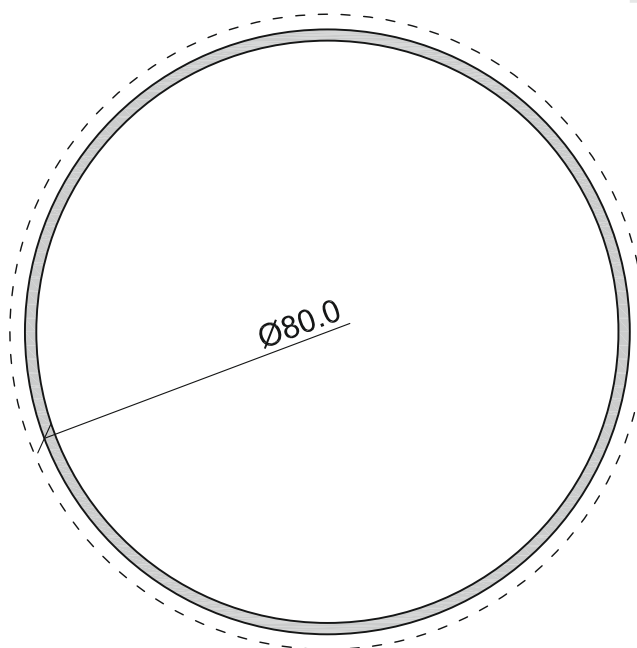


57 04 *

(Ø 80 x 1.5)

Dopuna /
Rabbet

0.666 Kg/m'

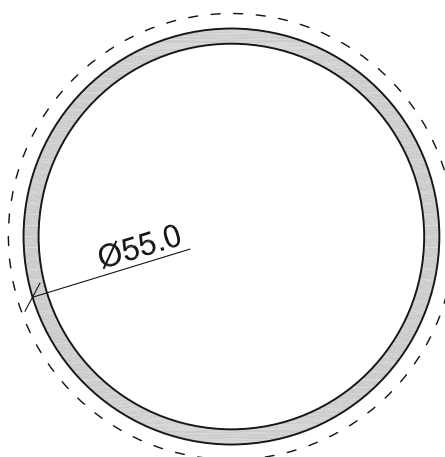


57 05 *

(Ø 55 x 2)

Dopuna /
Rabbet

0.450 Kg/m'

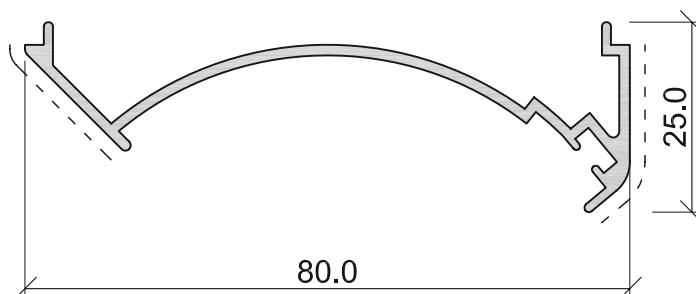


57 02 *

(M 4802)

Dopuna štoka /
Frame rabbet

0.507 Kg/m'

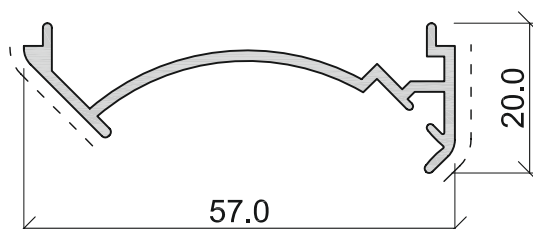


57 03 *

(M 4803)

Dopuna štoka /
Frame rabbet

0.373 Kg/m'



- * iporučuju se po posebnoj narudžbini
- * on demand

ALS
57

C

9

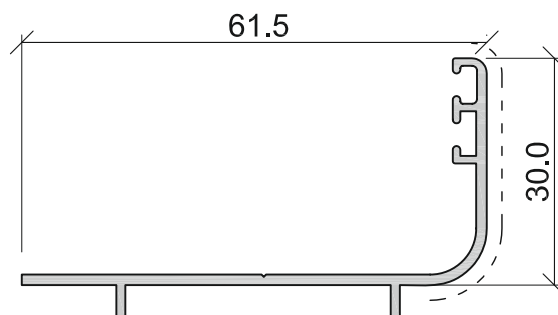


57 51

(M 4794)

Dopuna štoka /
Frame rabbet

0.383 Kg/m'

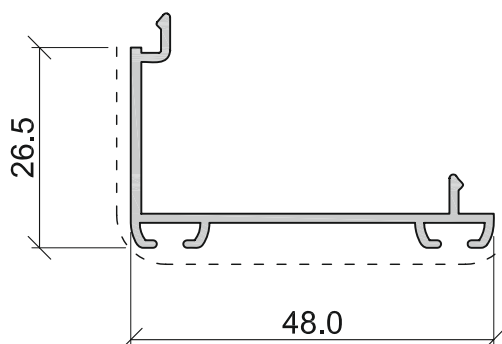


57 53

(M 5217)

Nosač četkice /
Door brush rabbet seal

0.336 Kg/m'

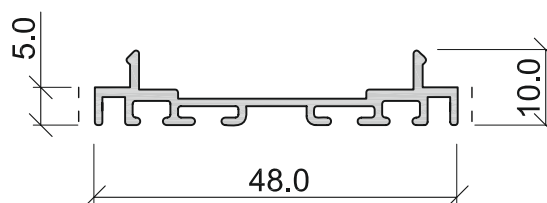


57 54

(M 5218)

Nosač četkice /
Door brush rabbet seal

0.314 Kg/m'

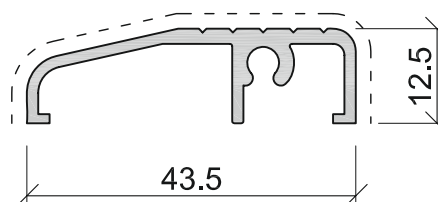


57 01

(M 4800)

Prag / Treshold

0.369 Kg/m'

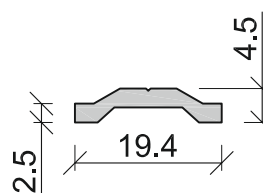


K 1

(M 3333)

Klizač / Skater

0.130 Kg/m'



ALS
57

C

10

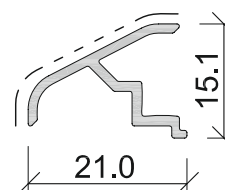


OK 1

(M 3242)

Okapnica / Water drainage

0.130 Kg/m'

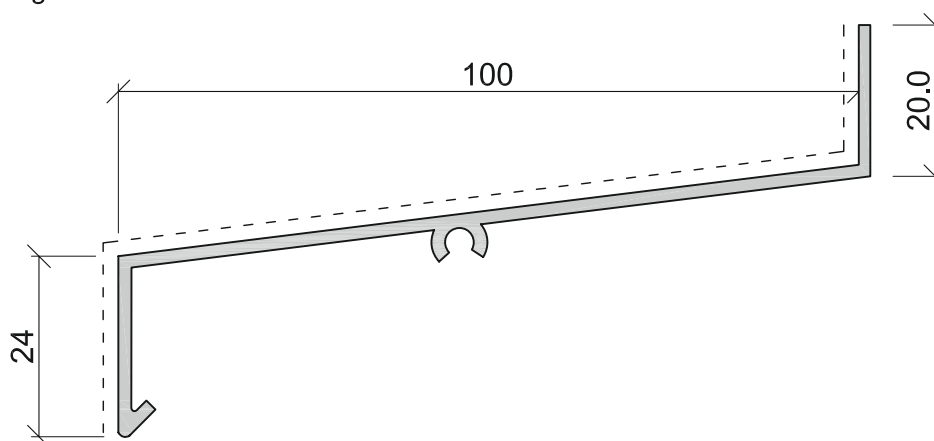


OK 100

(M 1240)

Okapnica / Water drainage

0.750 Kg/m'



----- vidna površina

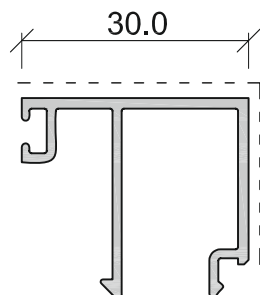
———— povremeno vidna površina

* iporučuju se po posebnoj narudžbini
* on demand

ALS
57

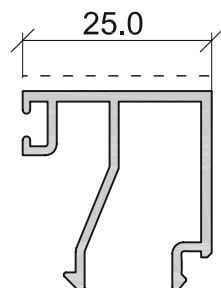
C

11



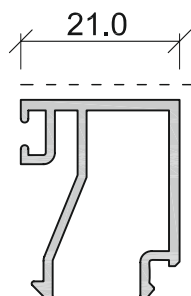
KL 30.1

Kit lajsna
M 4807
0.345 Kg/m'



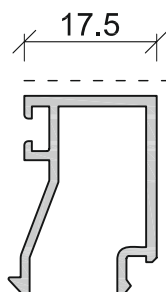
KL 25.1

Kit lajsna
M 4849
0.329 Kg/m'



KL 21.1 *

Kit lajsna
M 4951
0.315 Kg/m'



KL 17.1 *

Kit lajsna
M 5136
0.278 Kg/m'

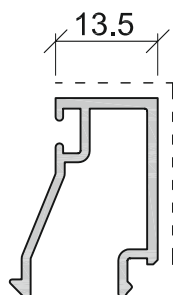
- * iporučuju se po posebnoj narudžbini
- * on demand

----- vidna površina
———— povremeno vidna površina

ALS
57

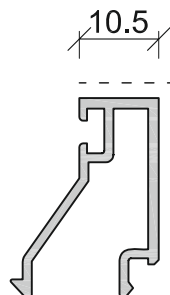
C

12



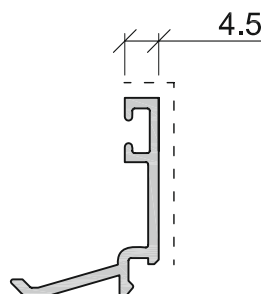
KL 13.1

Kit lajsna
M 4809
0.263 Kg/m'



KL 10.1*

Kit lajsna
M 5135
0.260 Kg/m'



KL 4.1

Kit lajsna
M 4808
0.197 Kg/m'

- * iporučuju se po posebnoj narudžbini
- * on demand

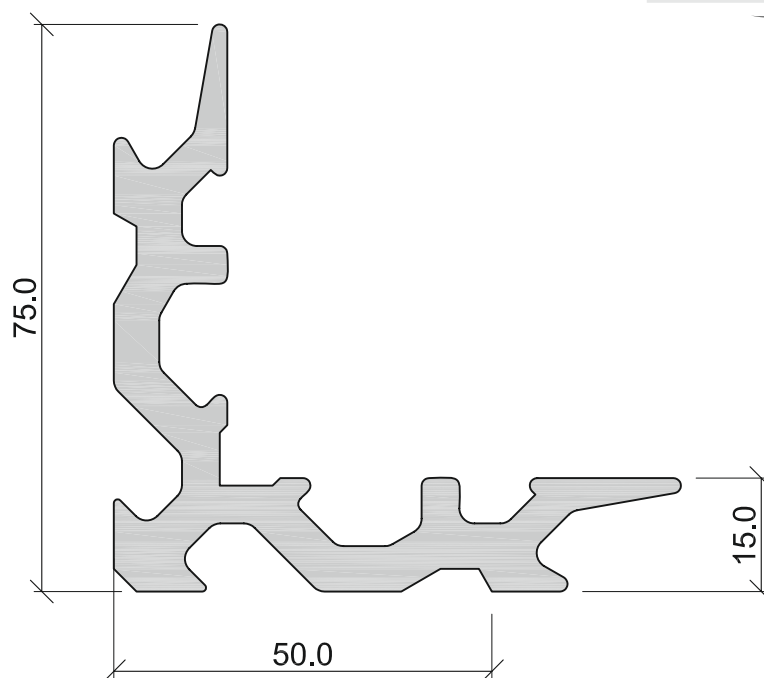
----- vidna površina
————— povremeno vidna površina

M 5224

Uloška / Joint corner

2.689 Kg/m'

S 15 - 44



M 5227

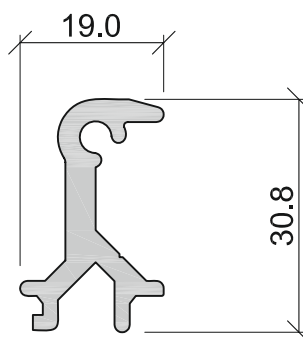
Sučeona spojnica / Joint

0.507 Kg/m'

SS - 21

SS - 33

SS - 63



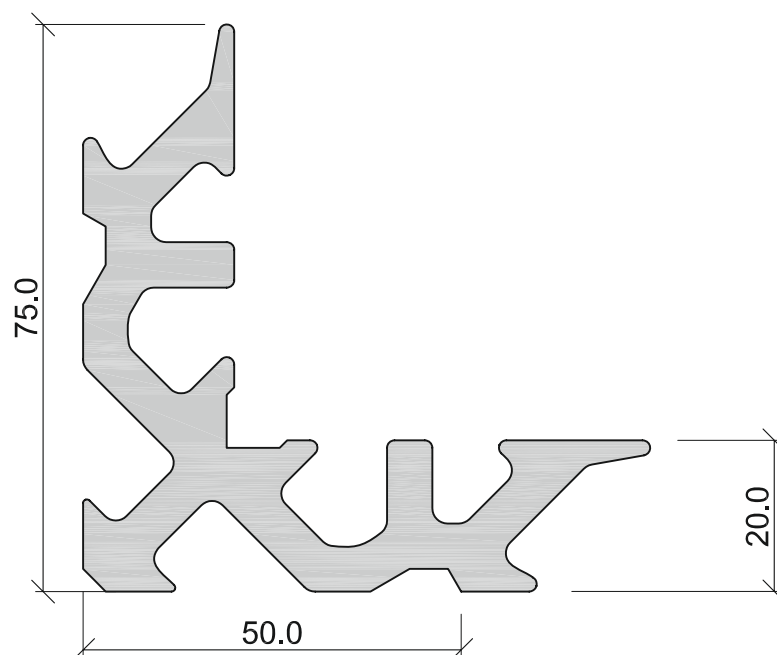
M 5225

Uloška / Joint corner

3.342 Kg/m'

S 20 - 27

S 20 - 44

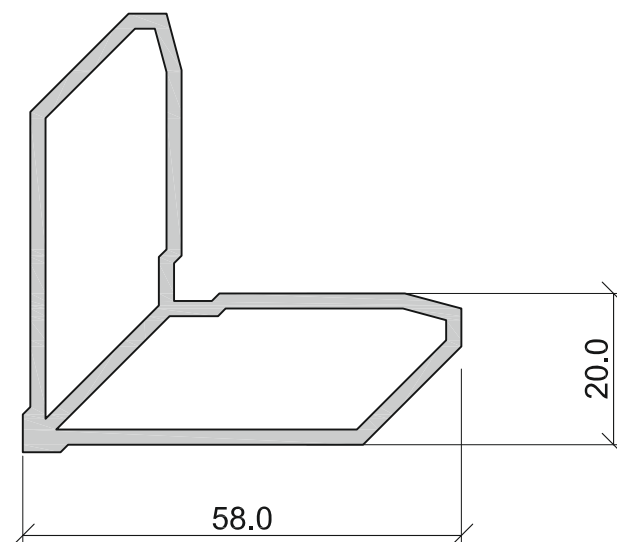


ŠP 1501

Dopuna uloške /Complement
joint corner

1.250 Kg/m'

D 20 . 2

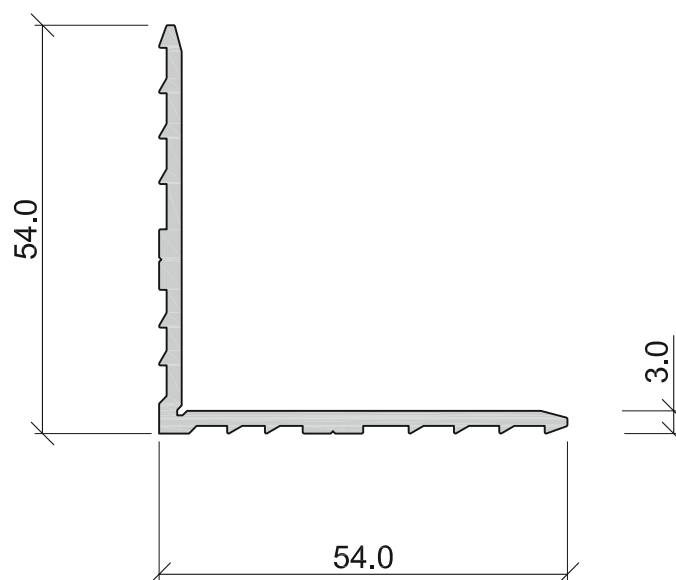


M 4865

Uložka / Joint corner

0.654 Kg/m'

S 3 - 44



ALS	C	15
57		

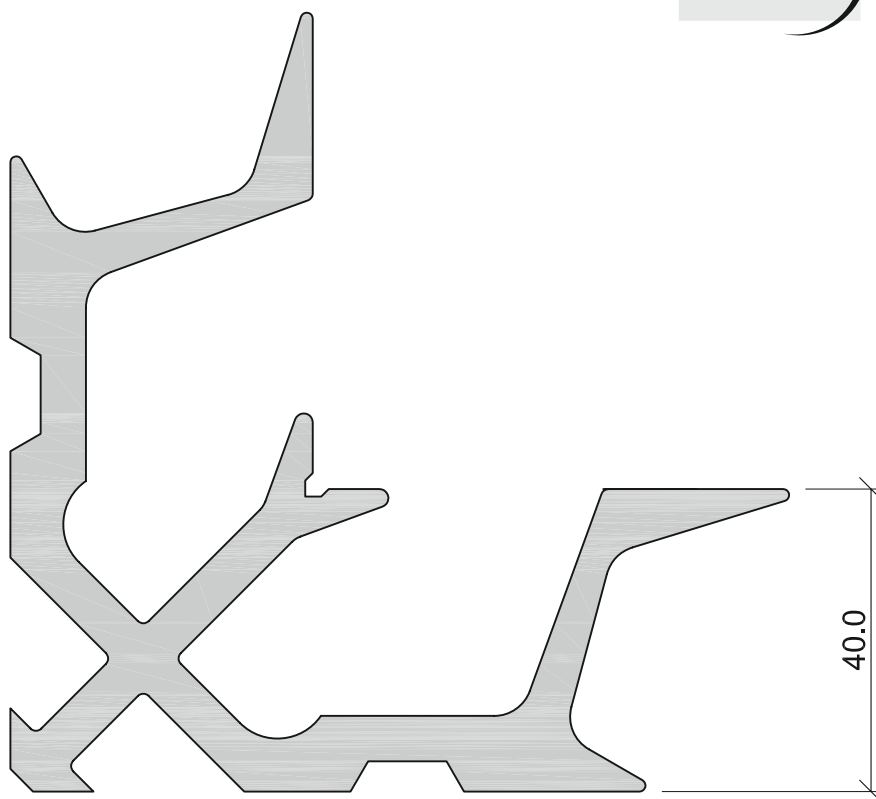


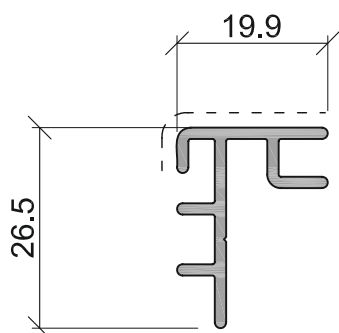
M 4954

Uložka / Joint corner

5.187 Kg/m'

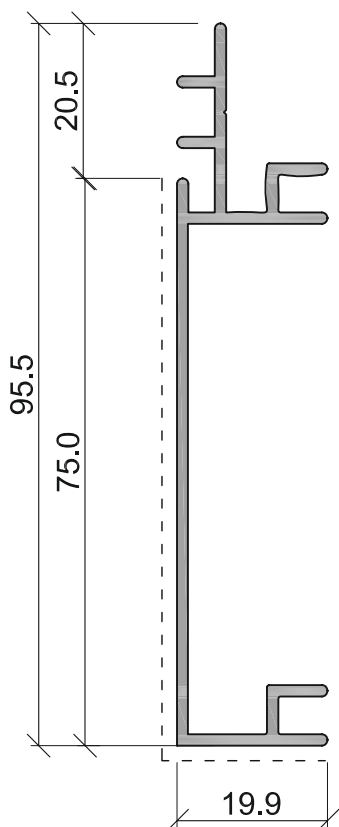
S 40 - 44





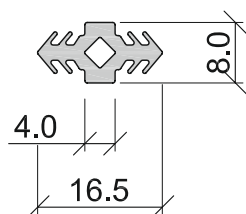
DP 1

(M 5657)
Dilatacioni profil 1
Dilatation profile 1
0.300 Kg/m'



DP 2

(M 5656)
Dilatacioni profil 2
Dilatation profile 2
0.715 Kg/m'



GD 1

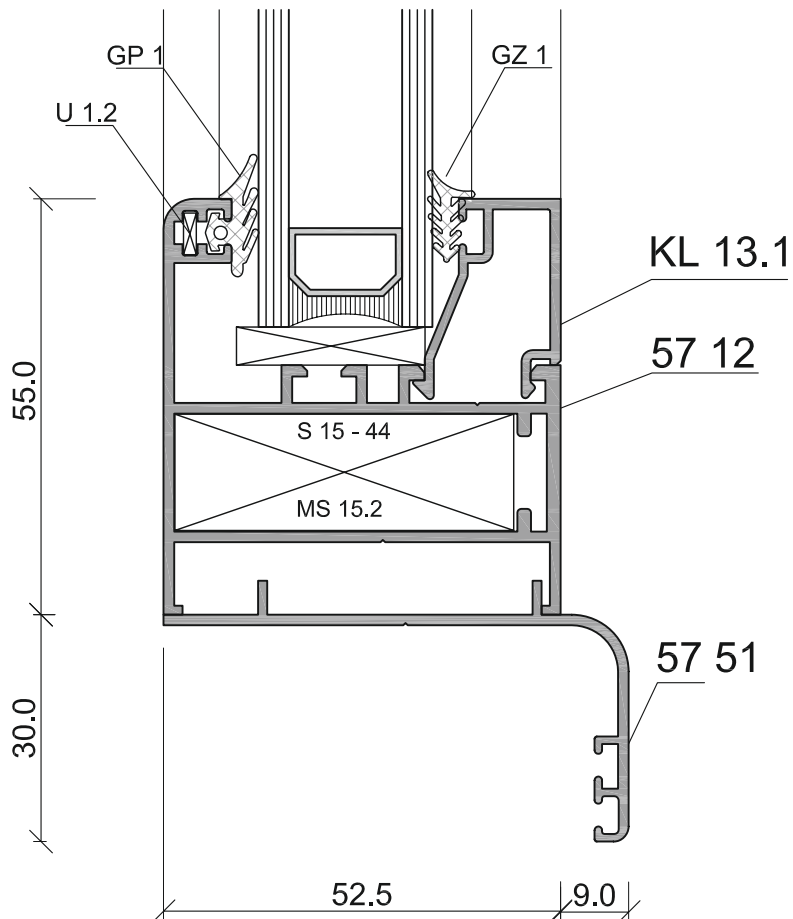
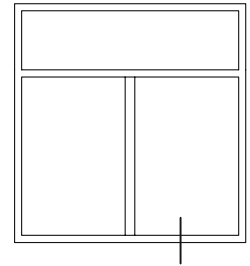
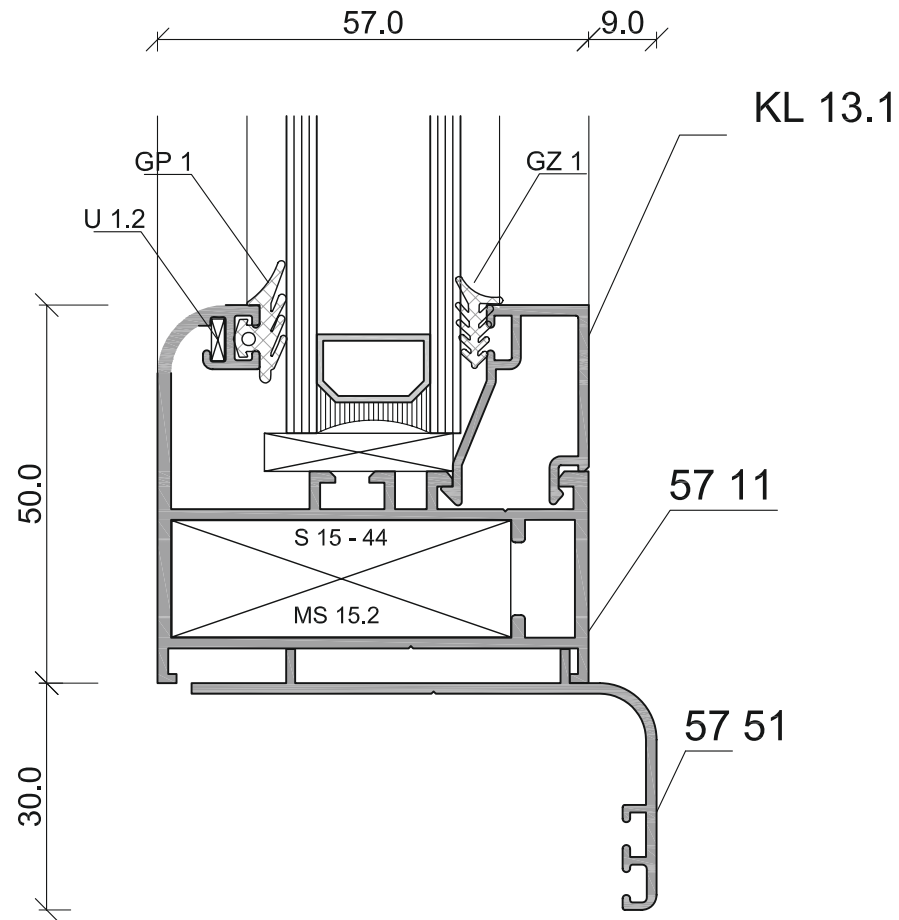
----- vidna površina
———— povremeno vidna površina

segment D

detalji

technical details

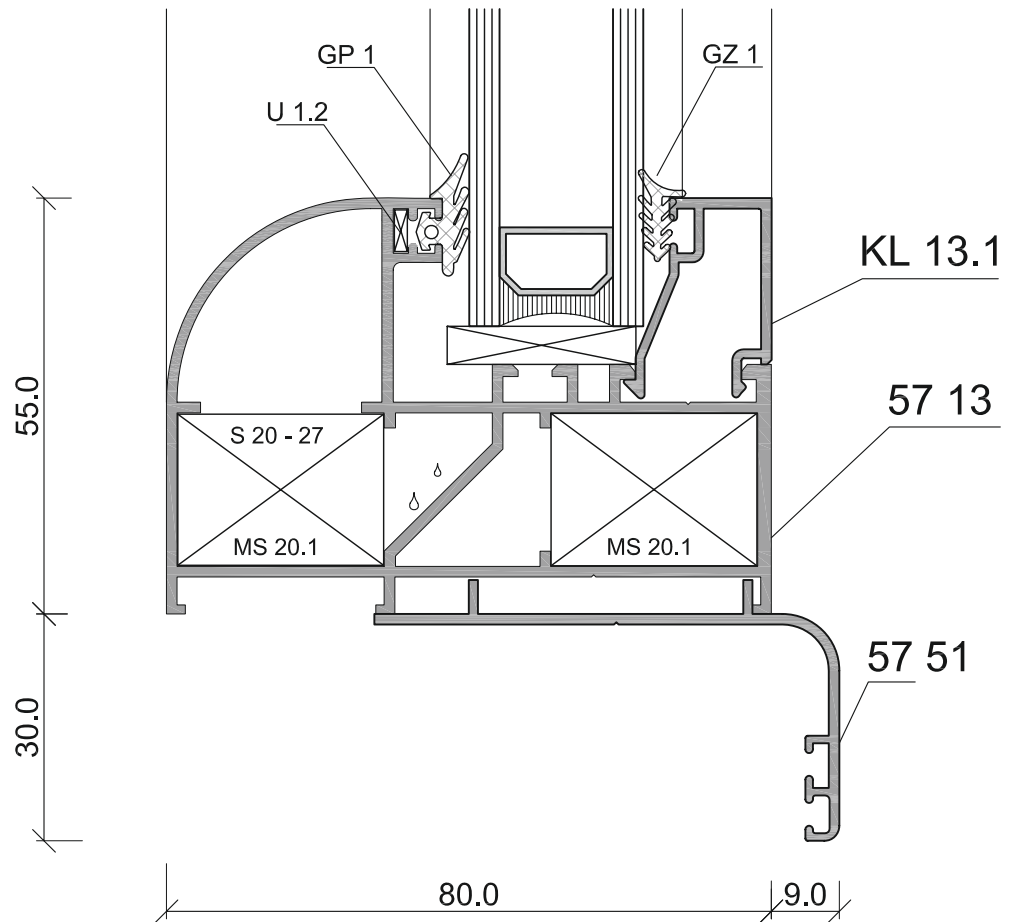
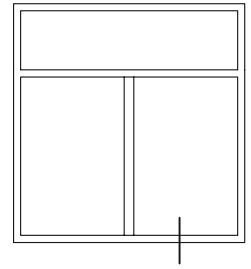
ALS	D	1
57		



ALS
57

D

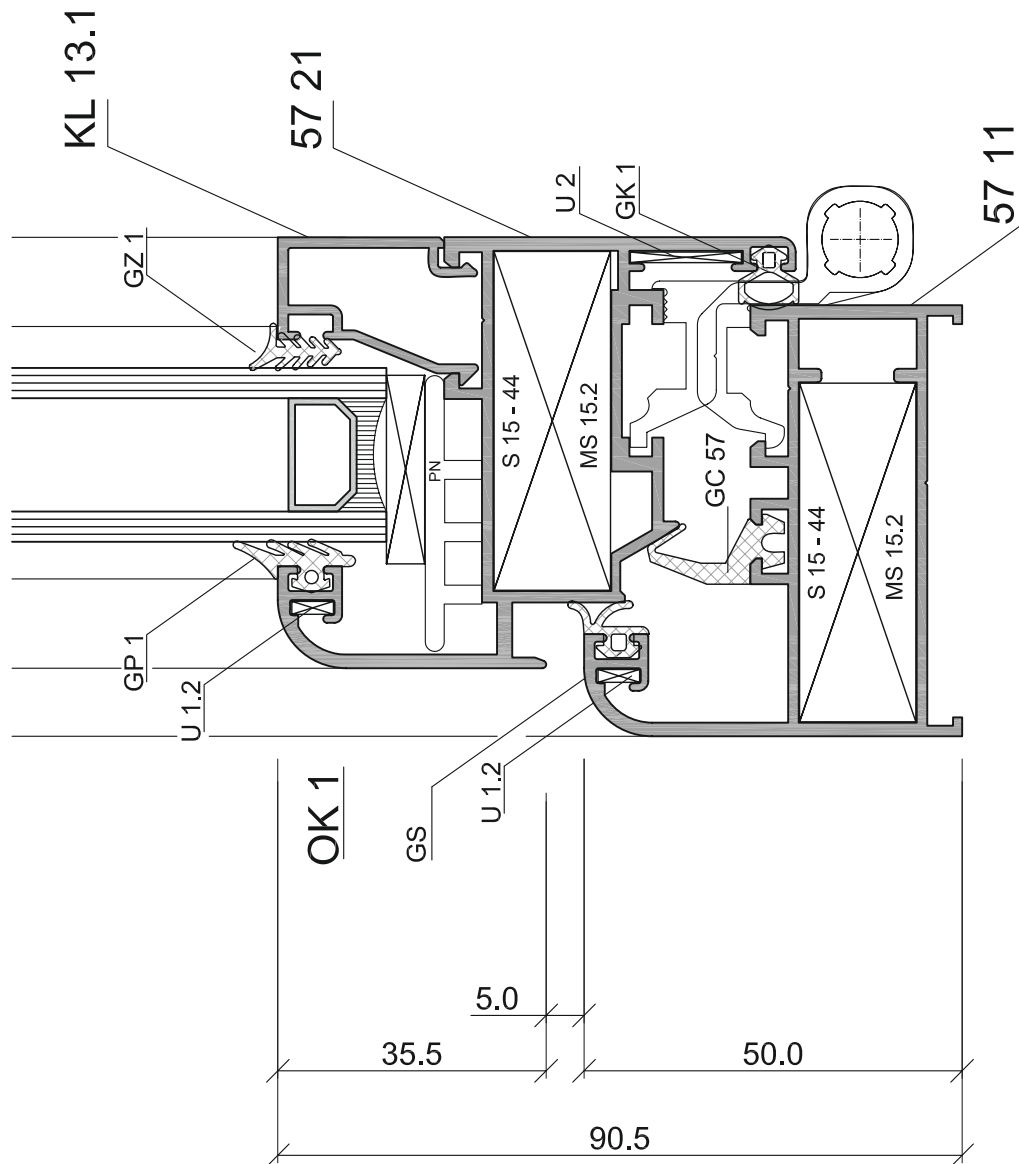
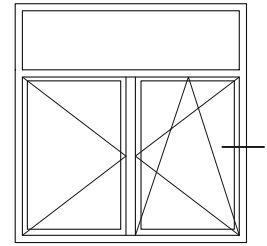
2



ALS
57

D

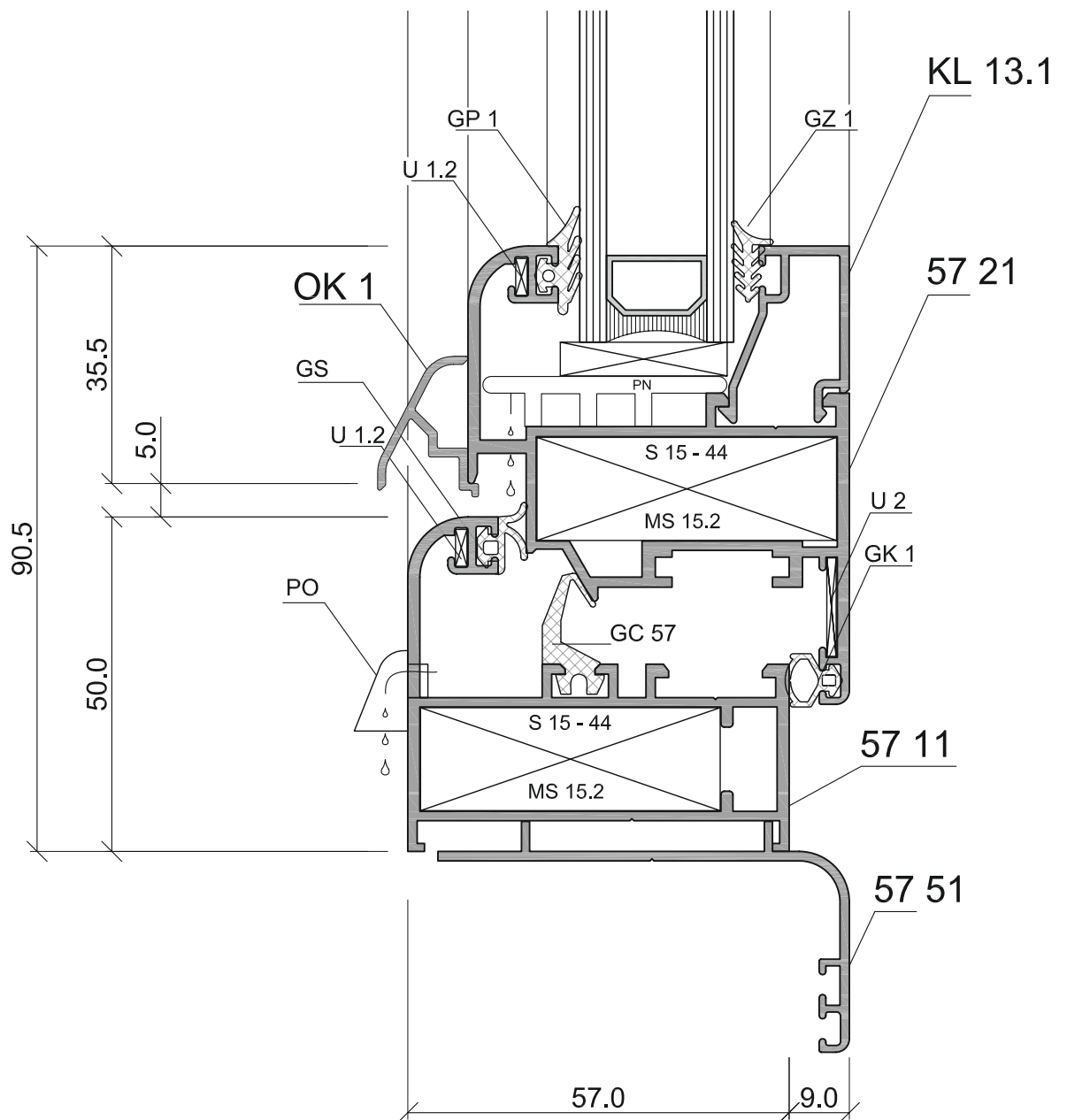
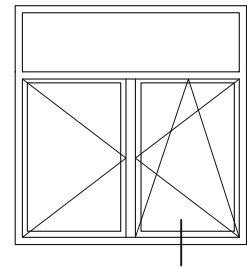
3



ALS
57

D

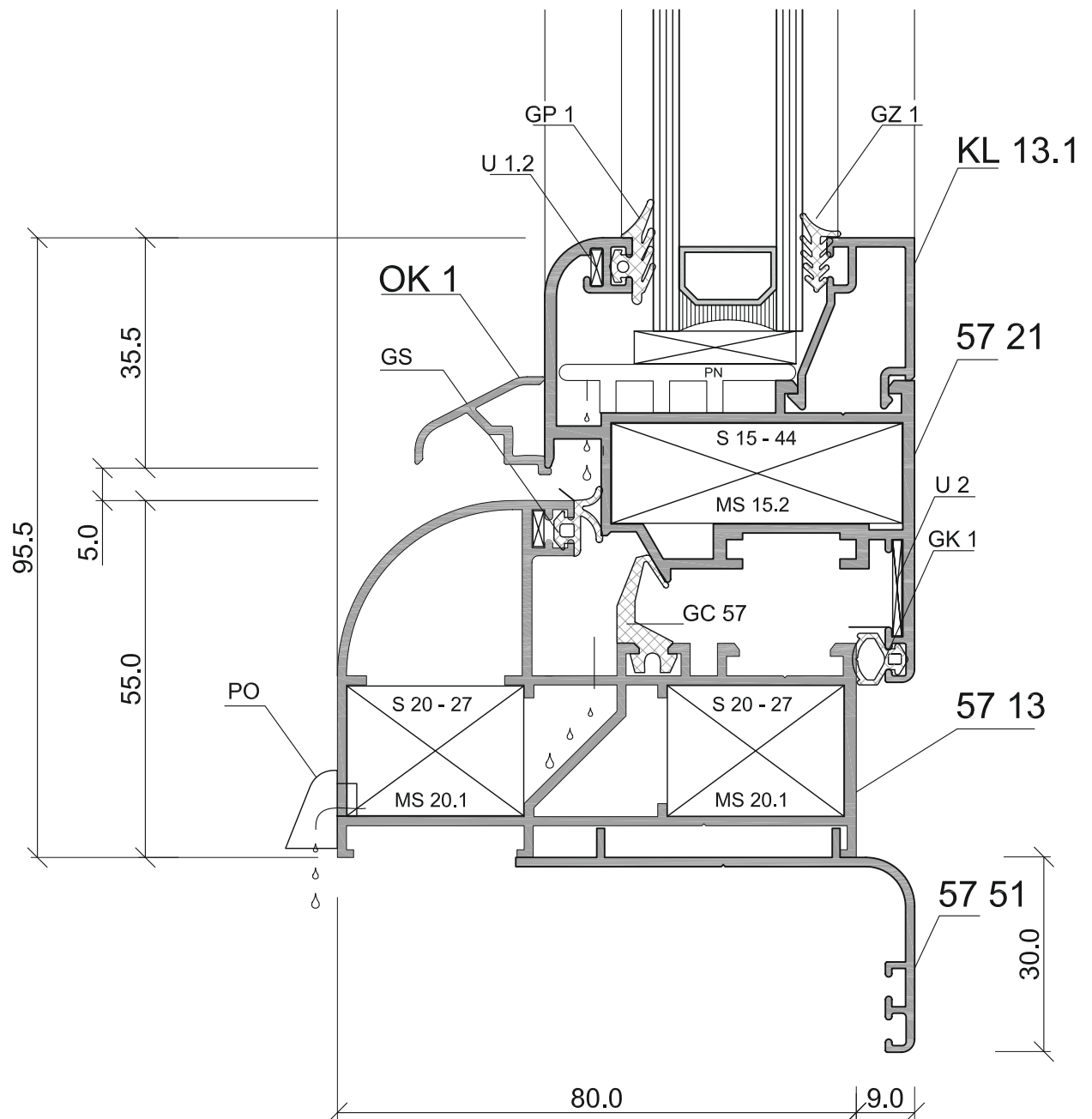
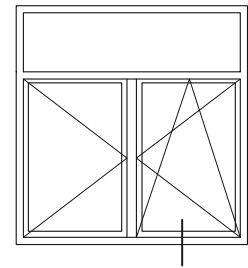
4



ALS
57

D

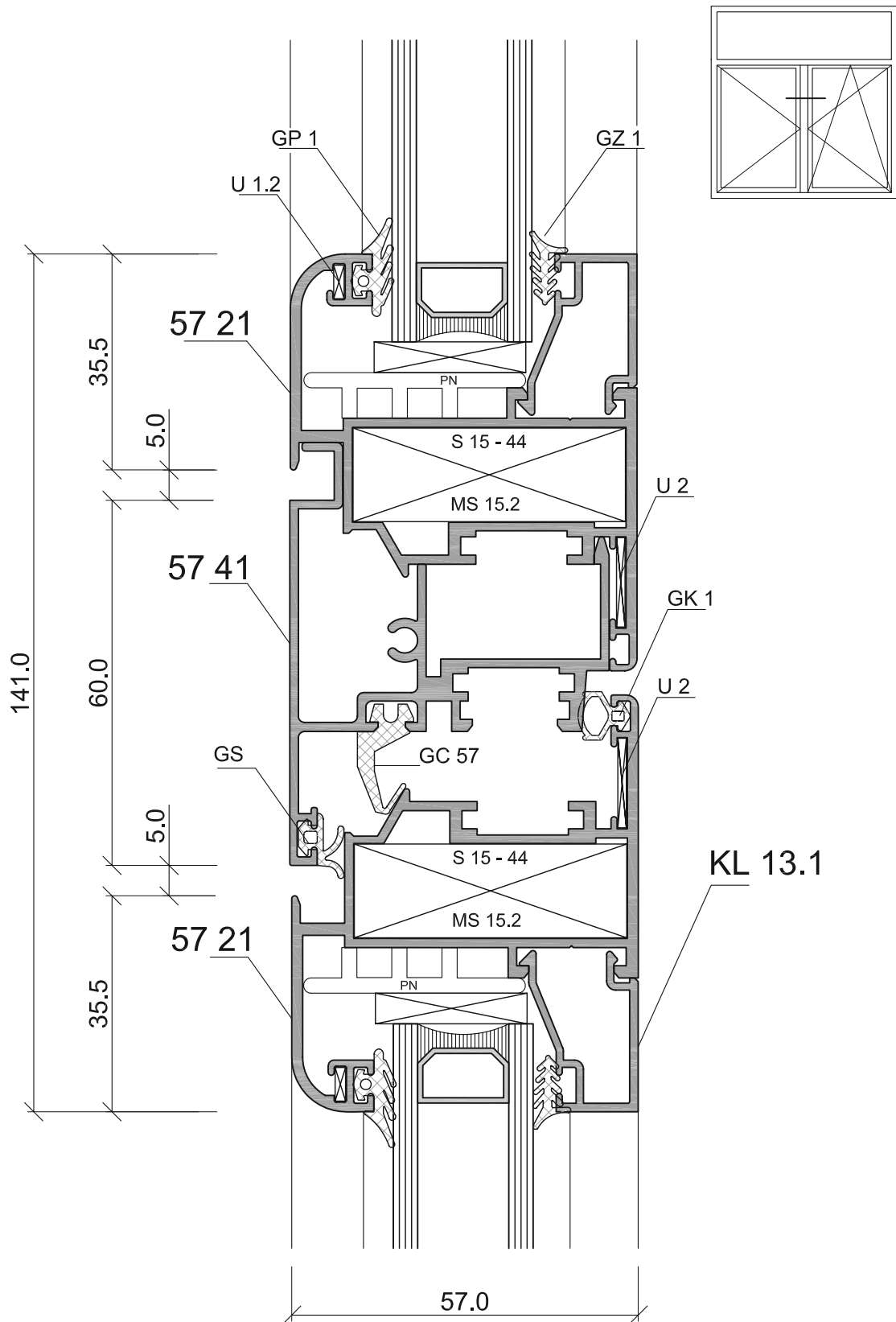
5



ALS
57

D

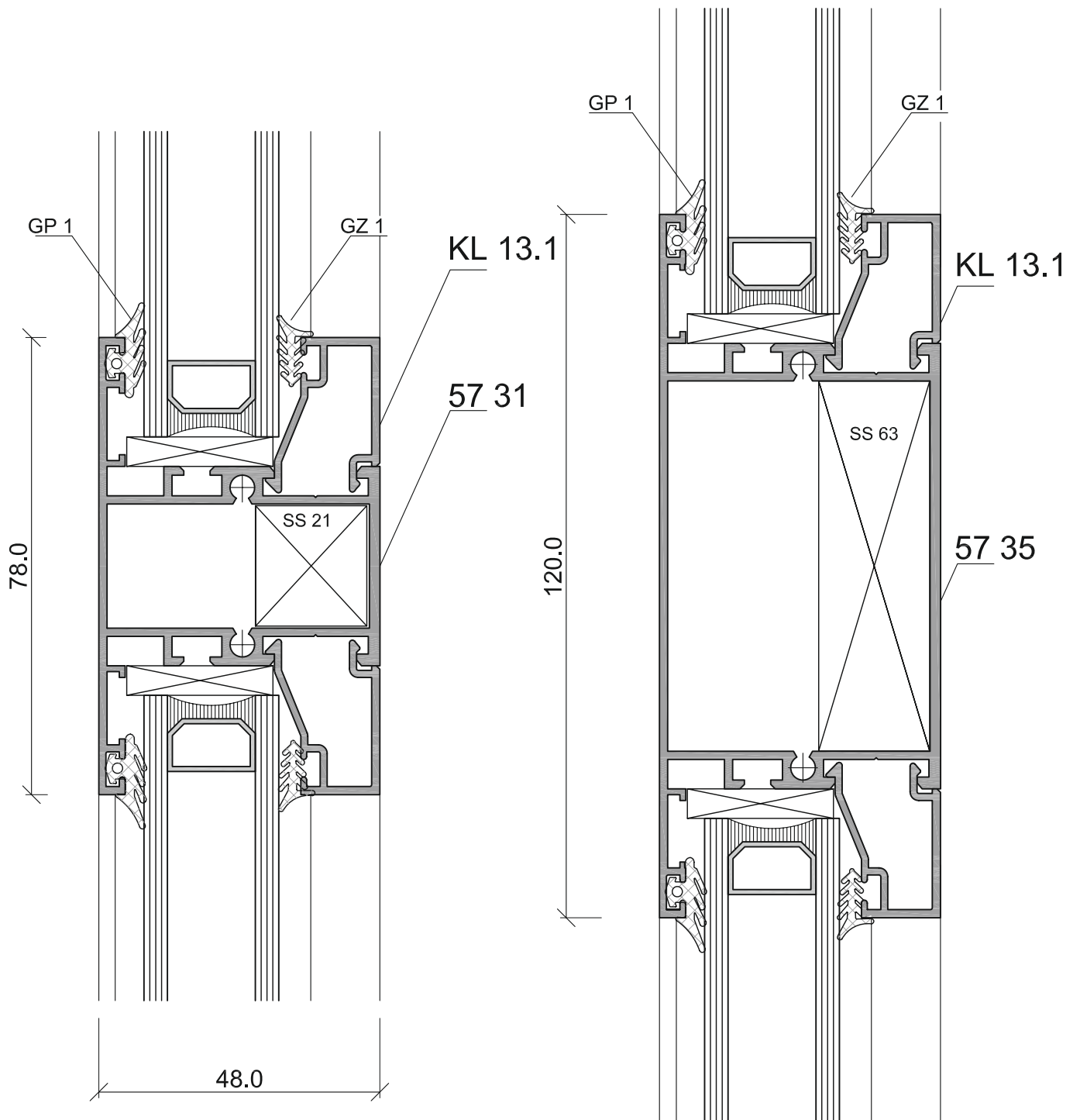
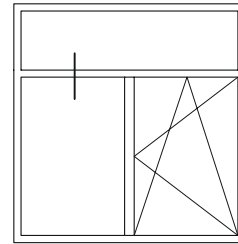
6



ALS
57

D

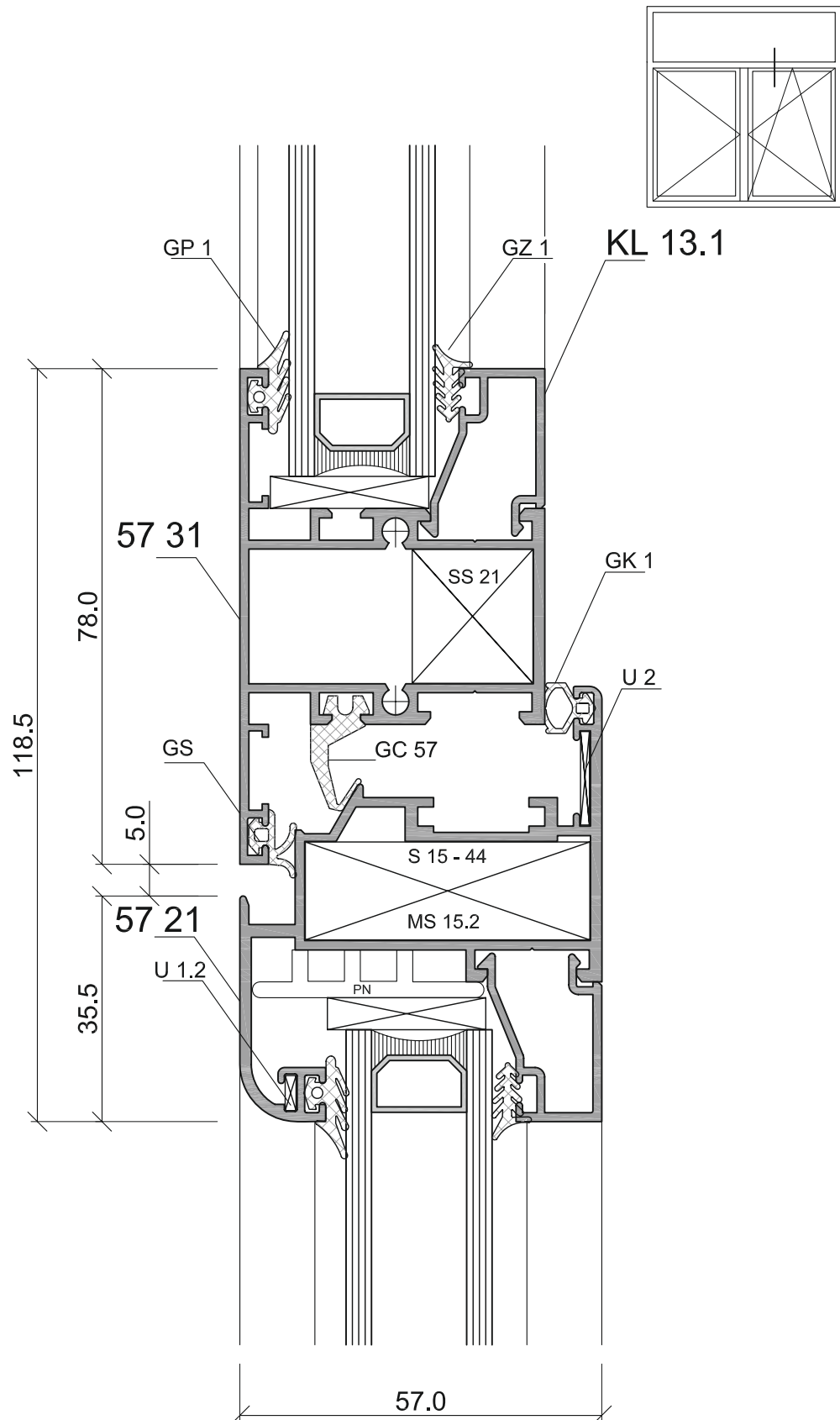
7



ALS
57

D

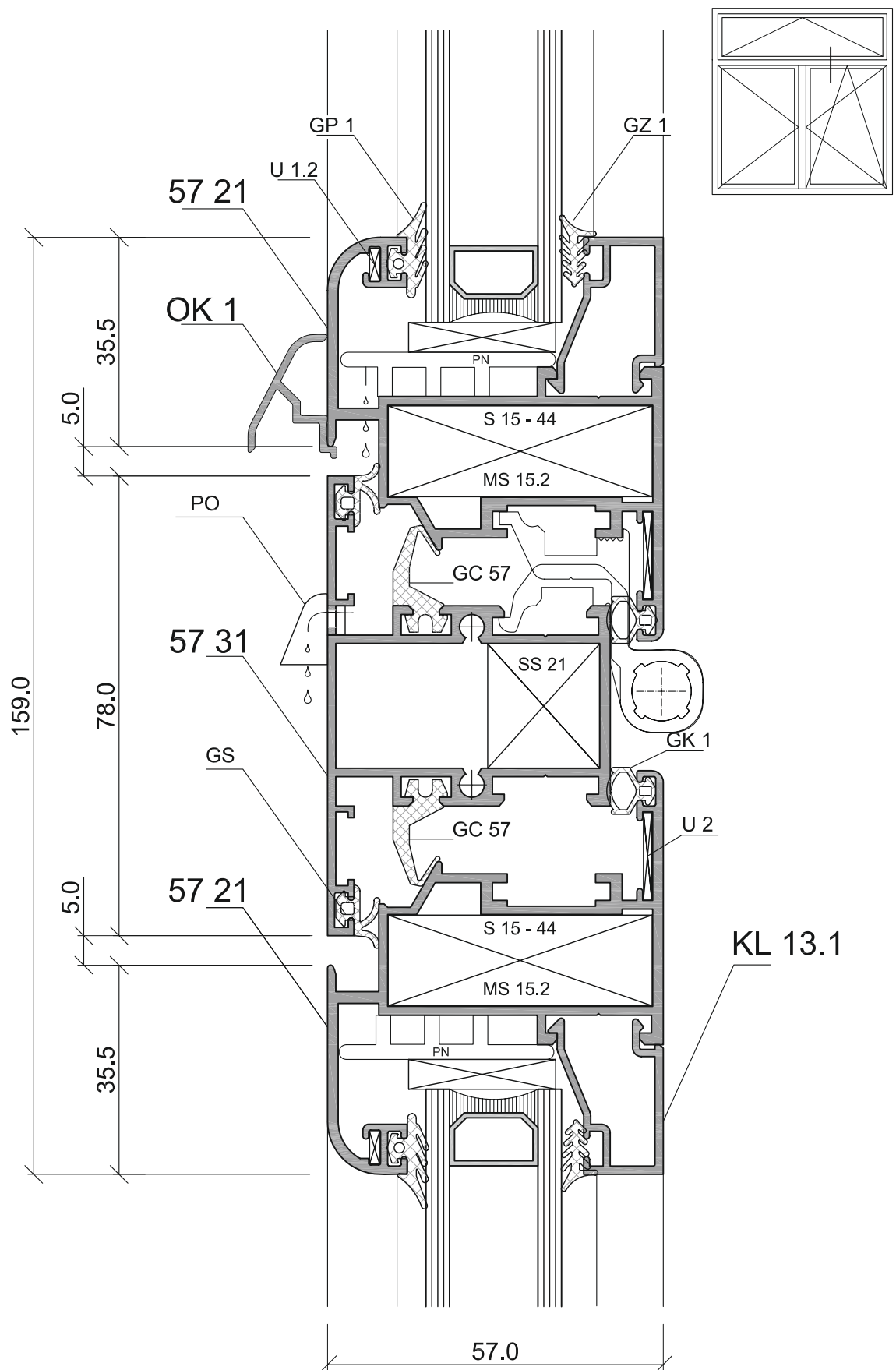
8



ALS
57

D

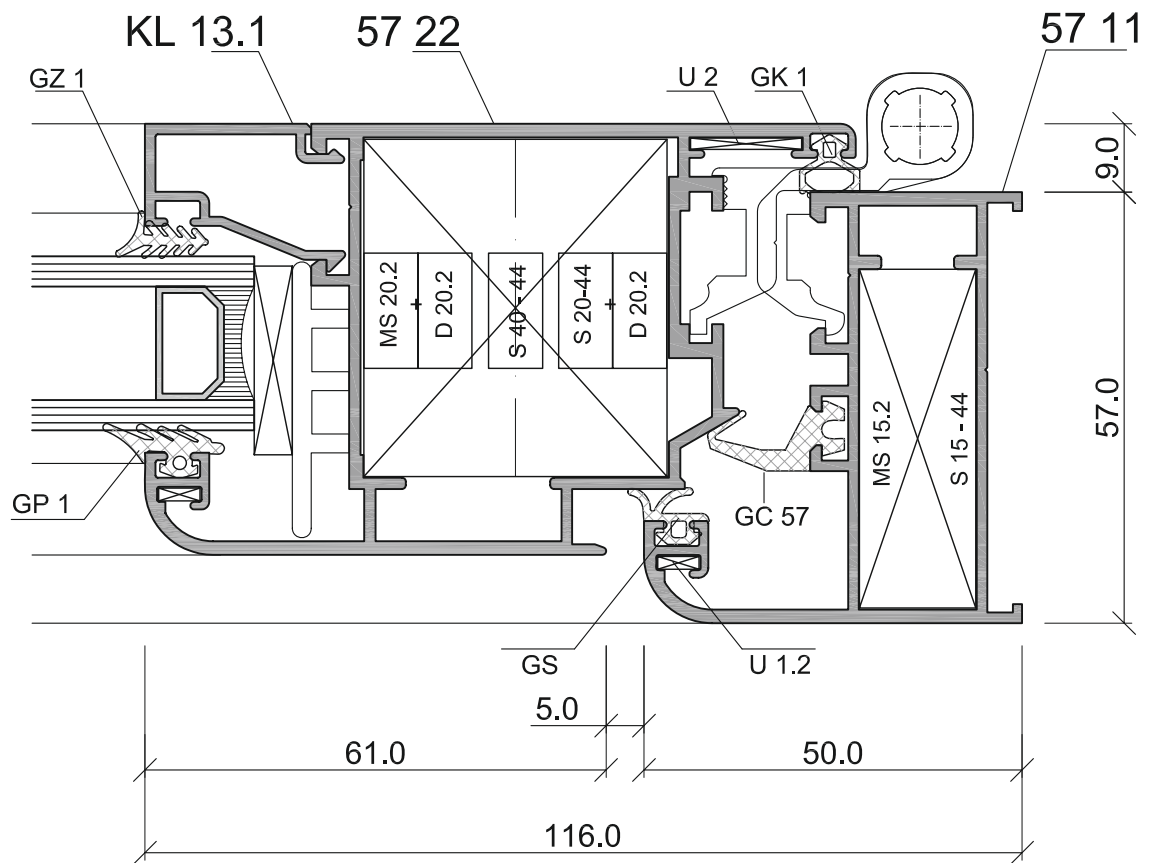
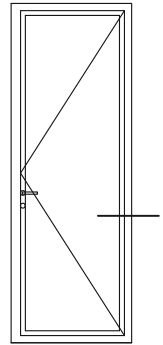
9



ALS
57

D

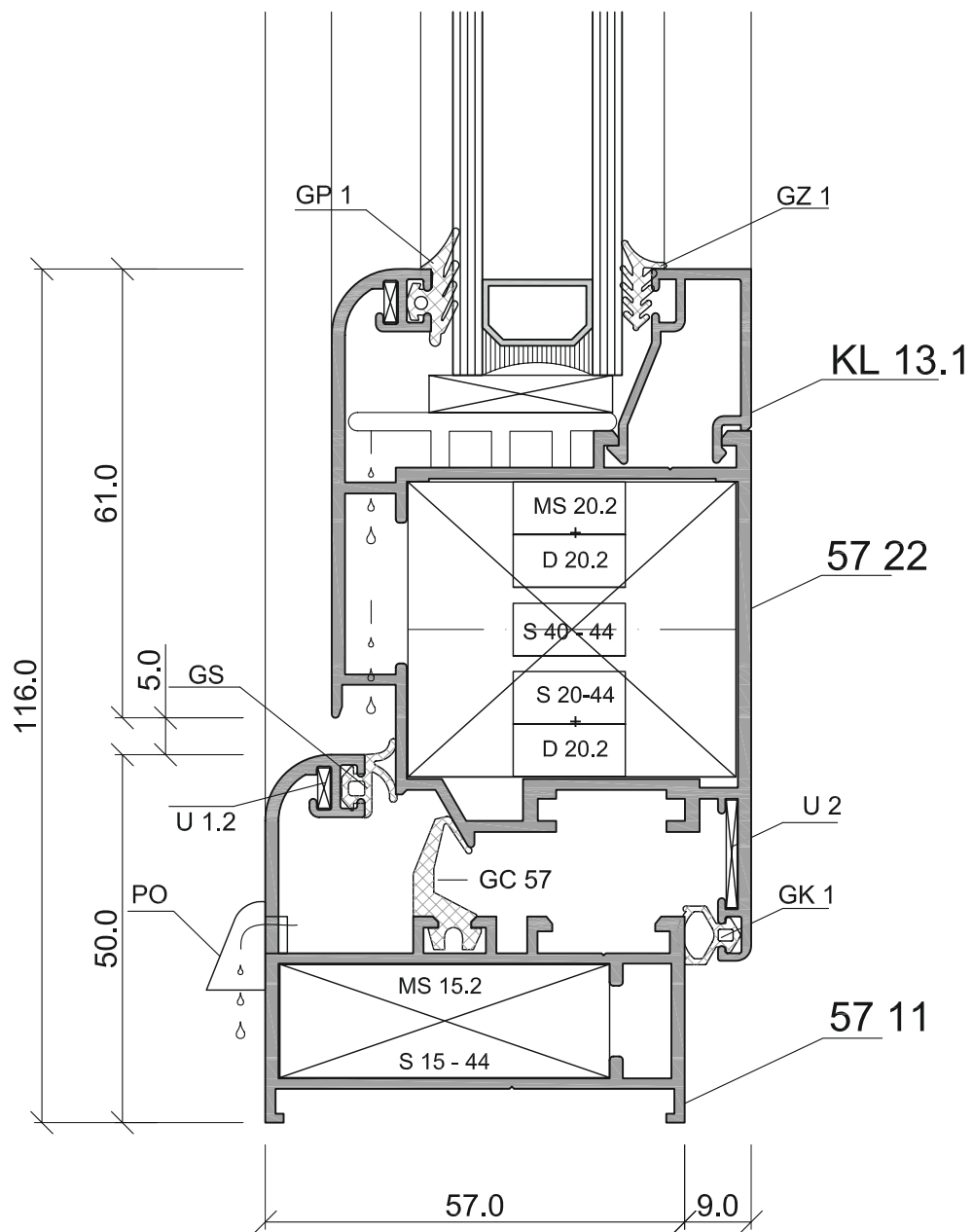
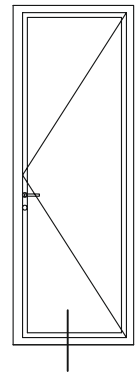
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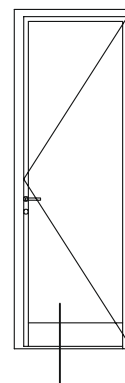
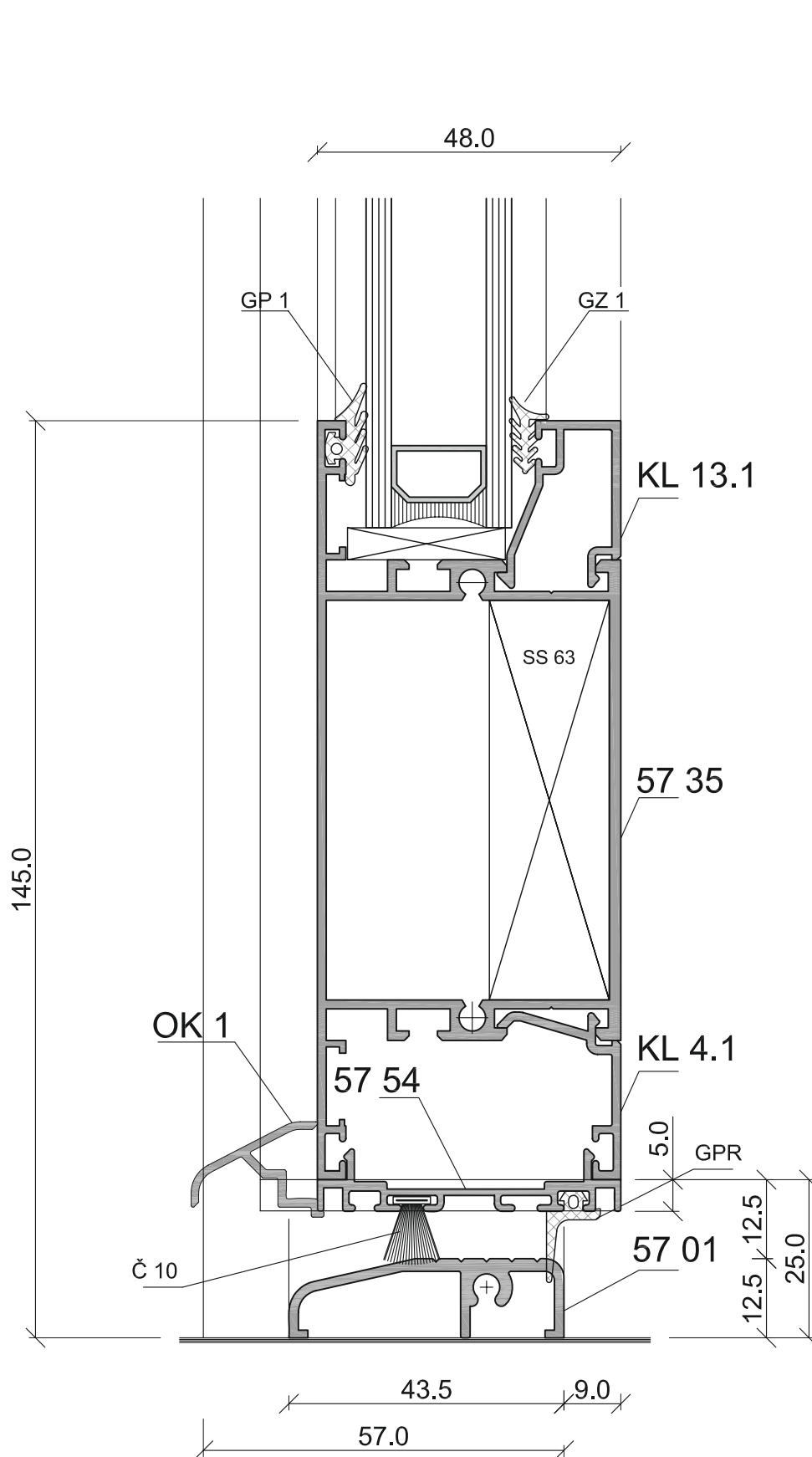
ALS
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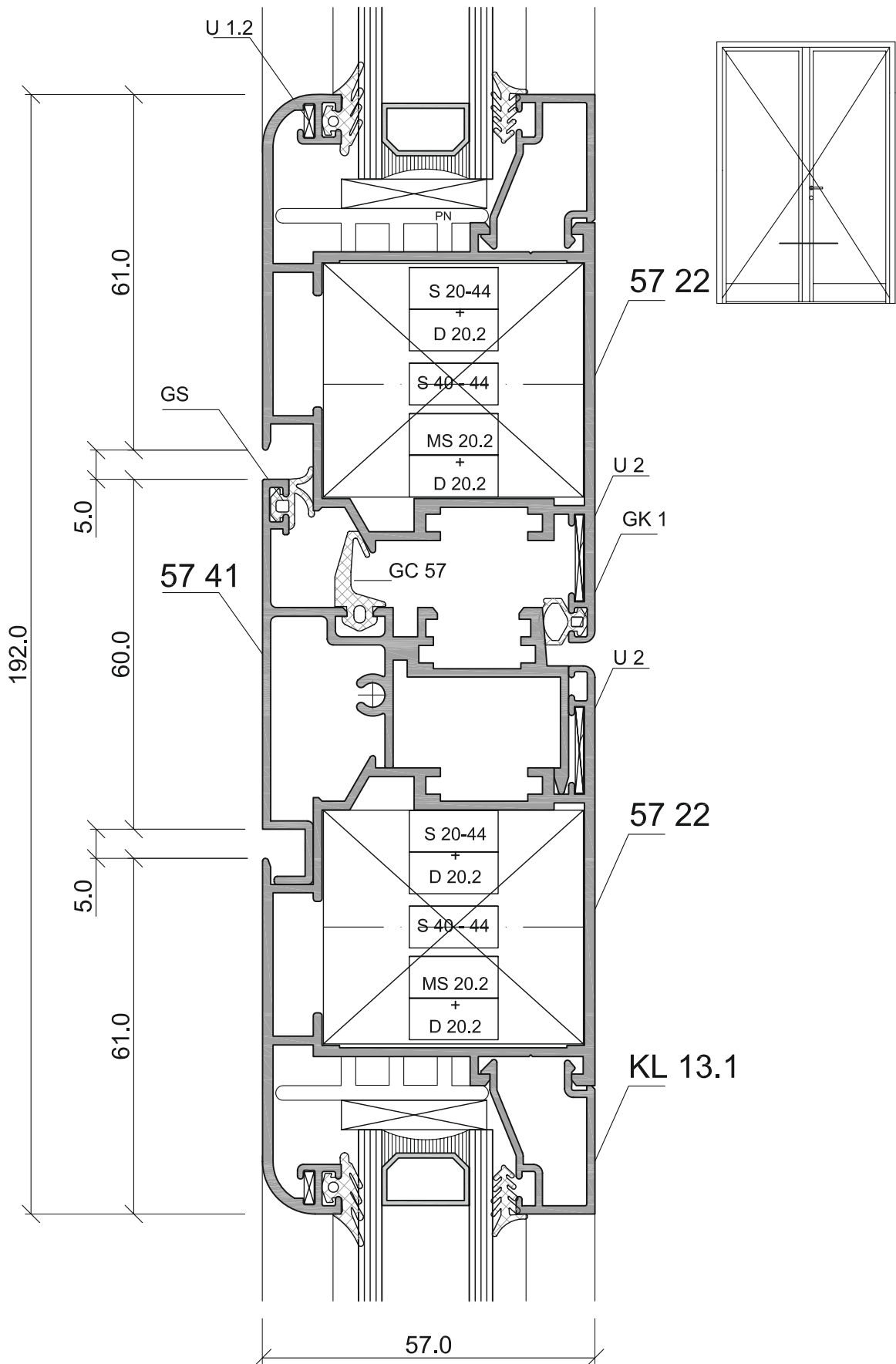
D

11



ALS	D	12
57		

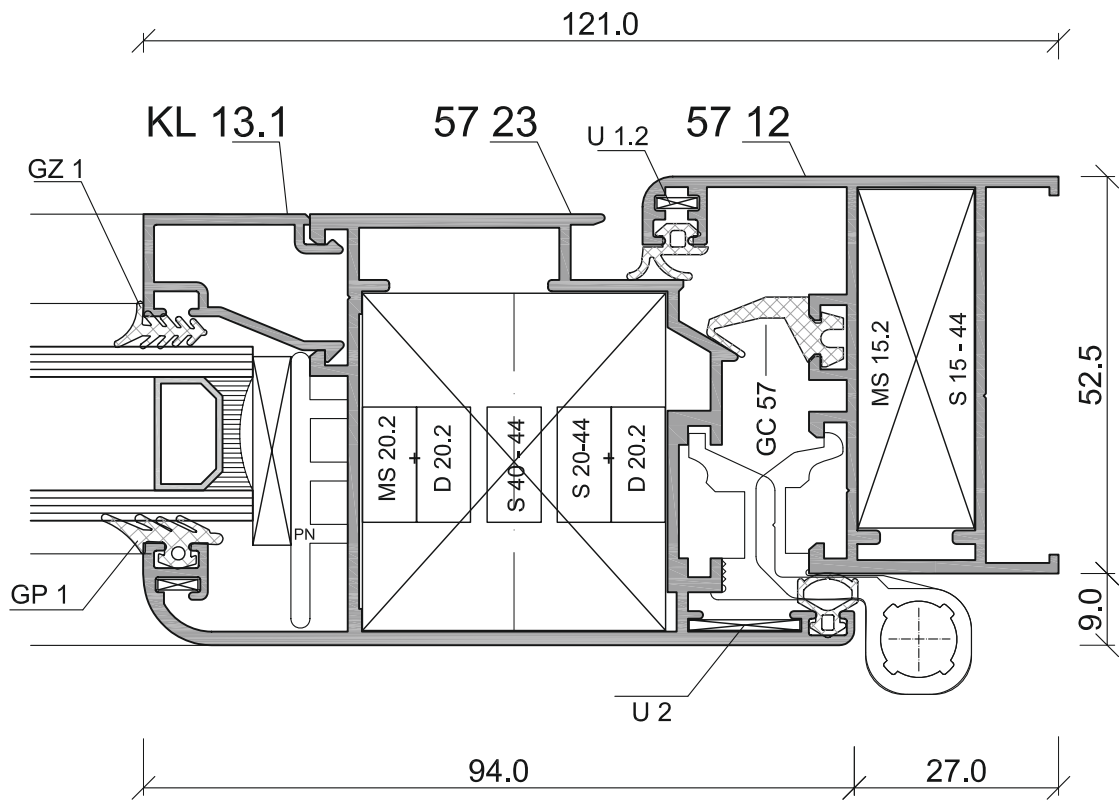
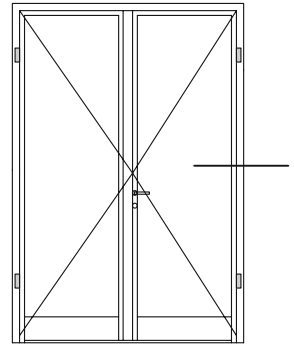




ALS
57

D

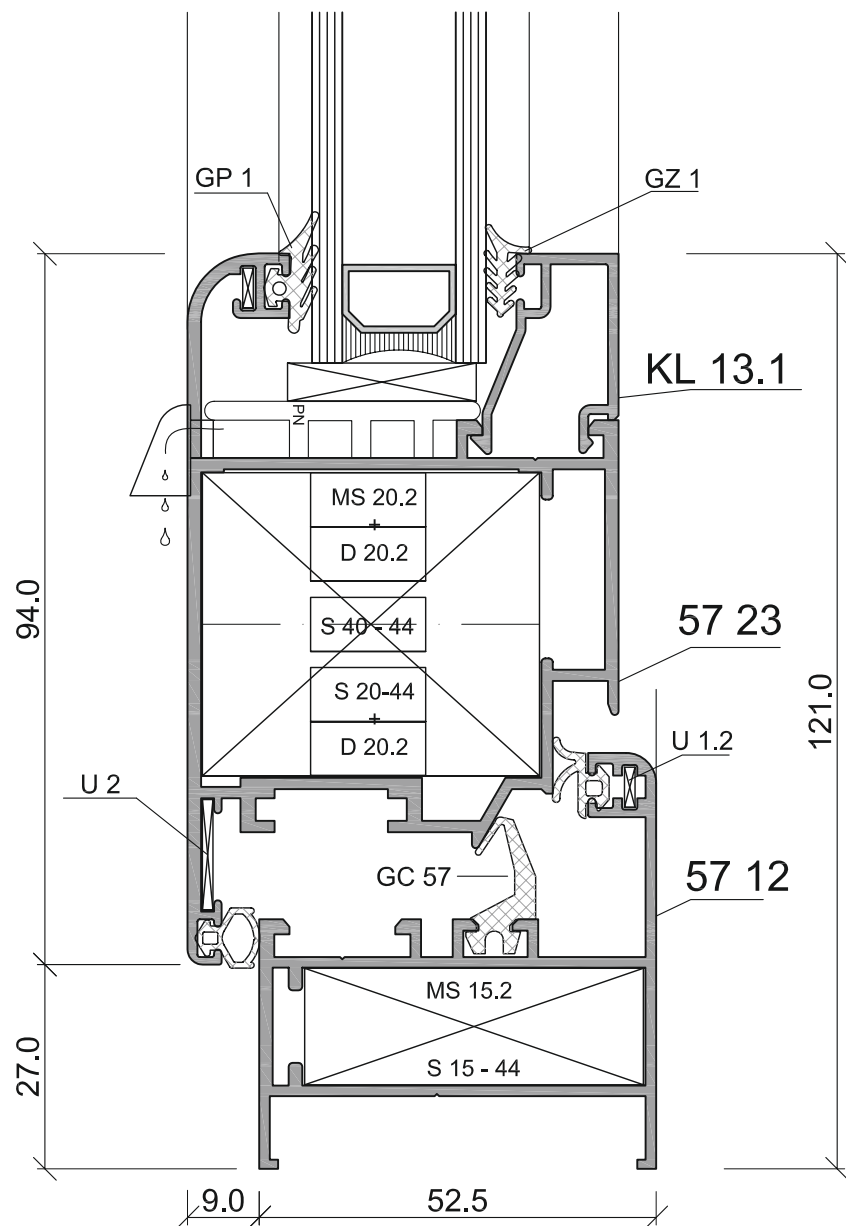
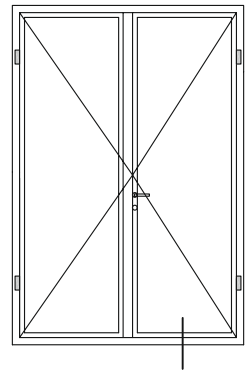
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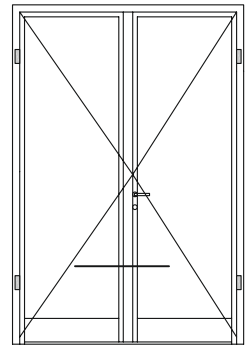
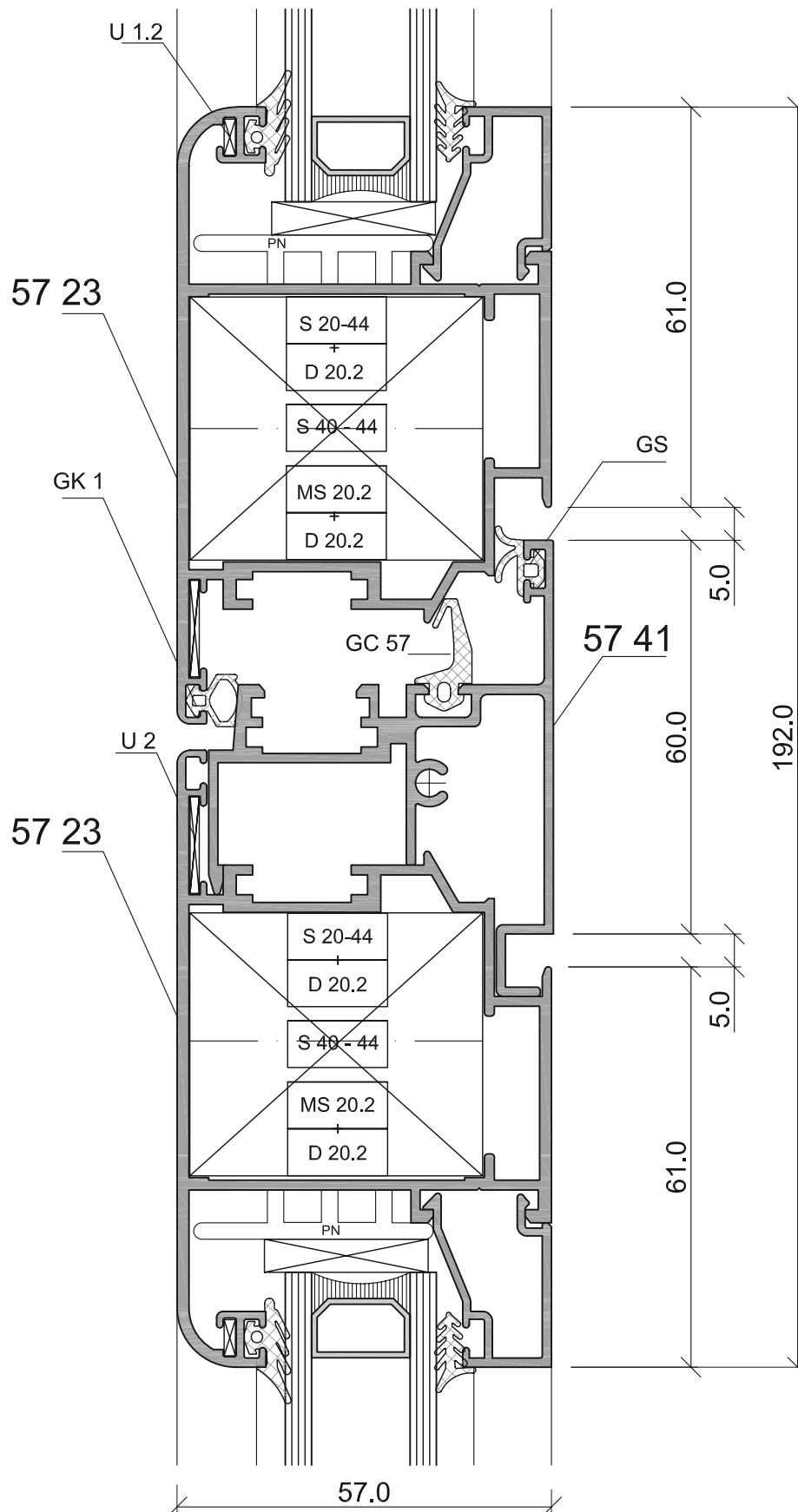
ALS
57

D

15



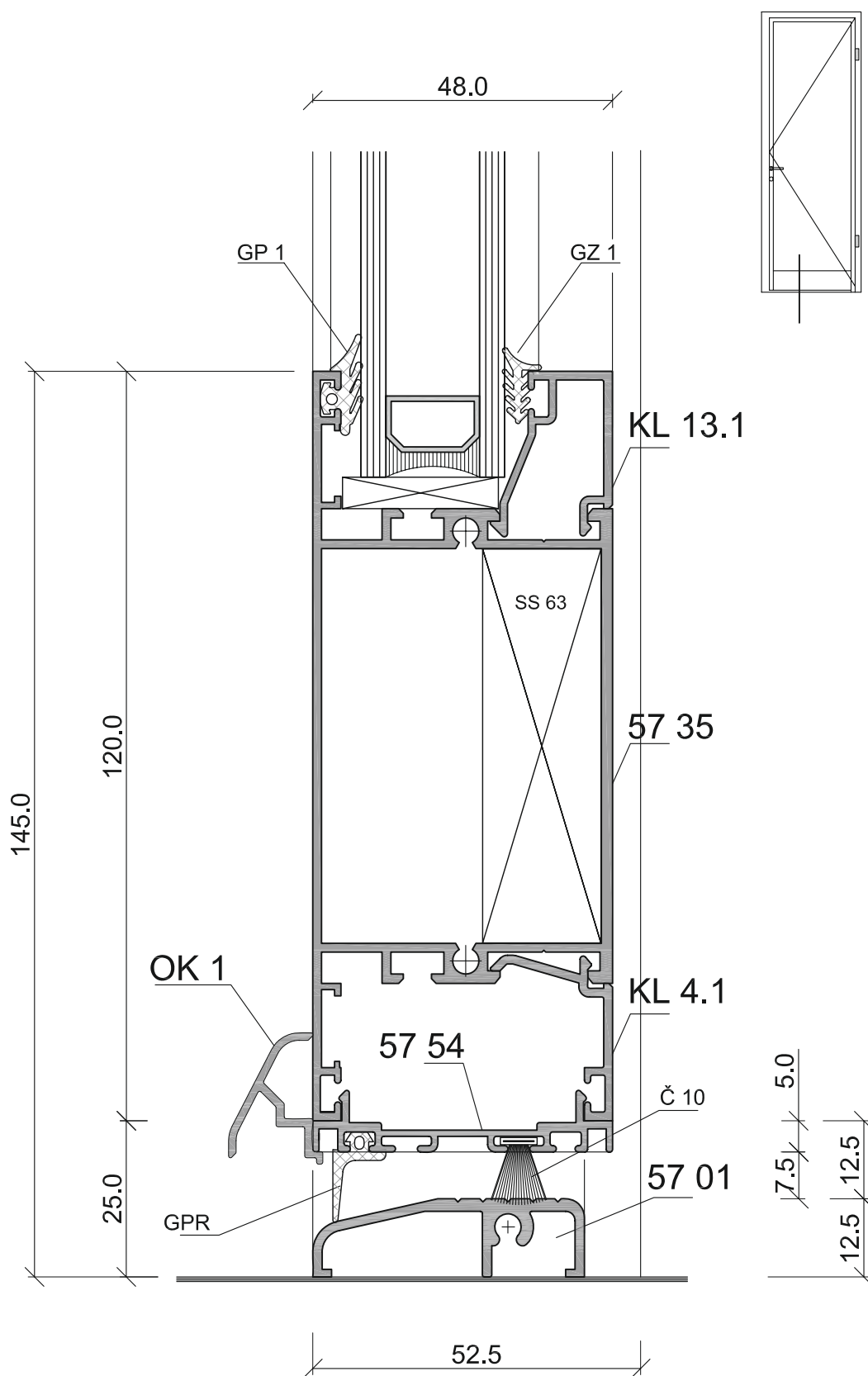
ALS	D	16
57		



ALS
57

D

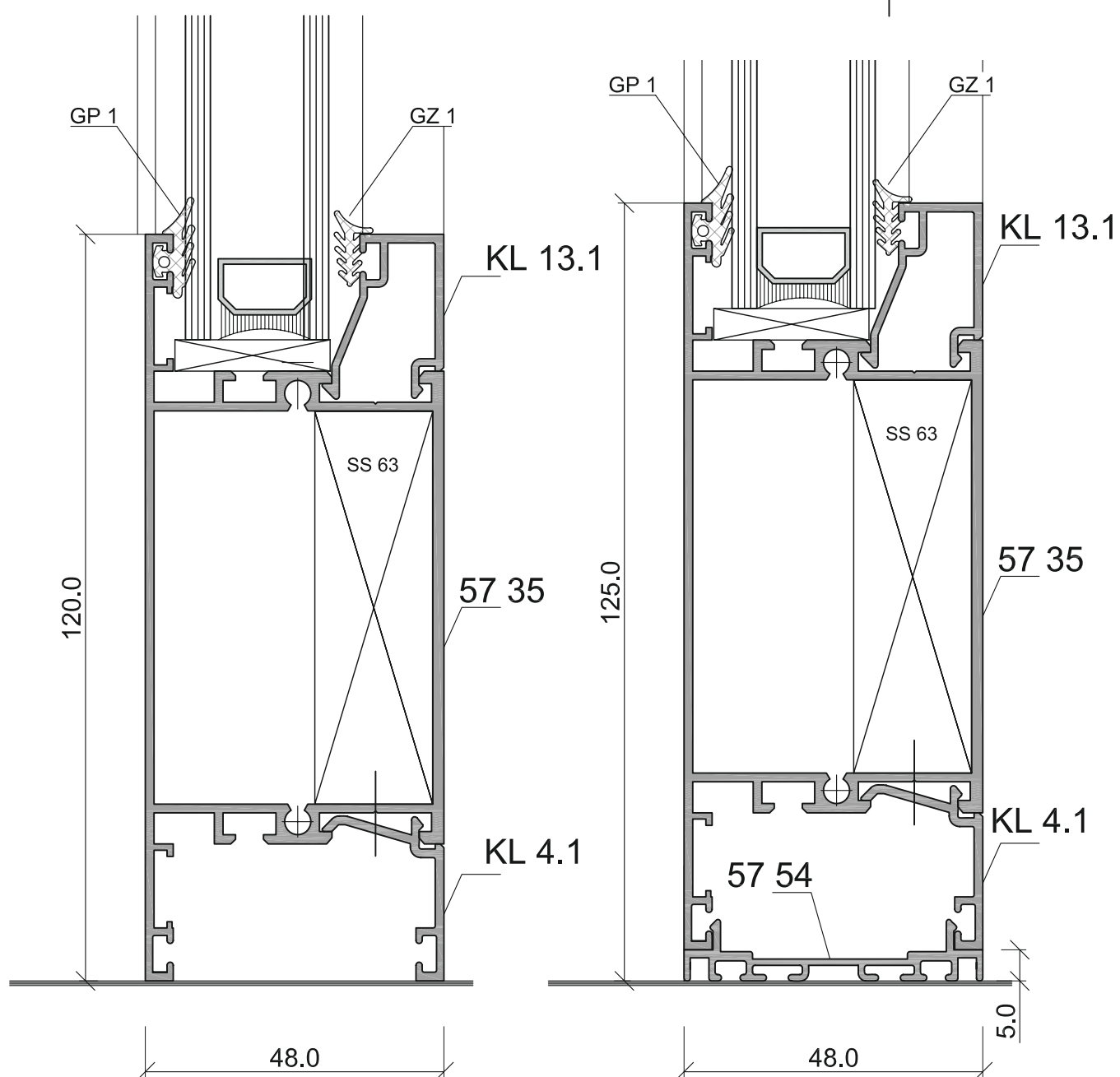
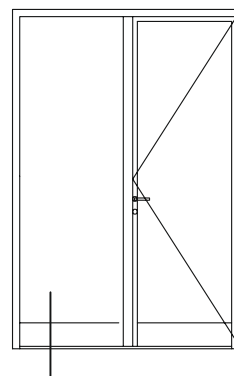
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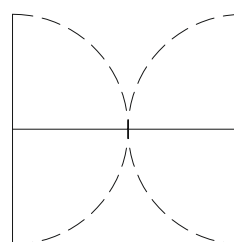
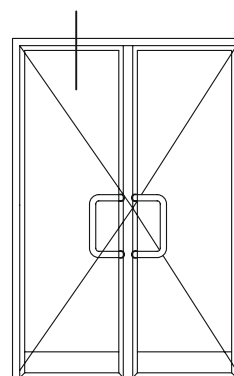
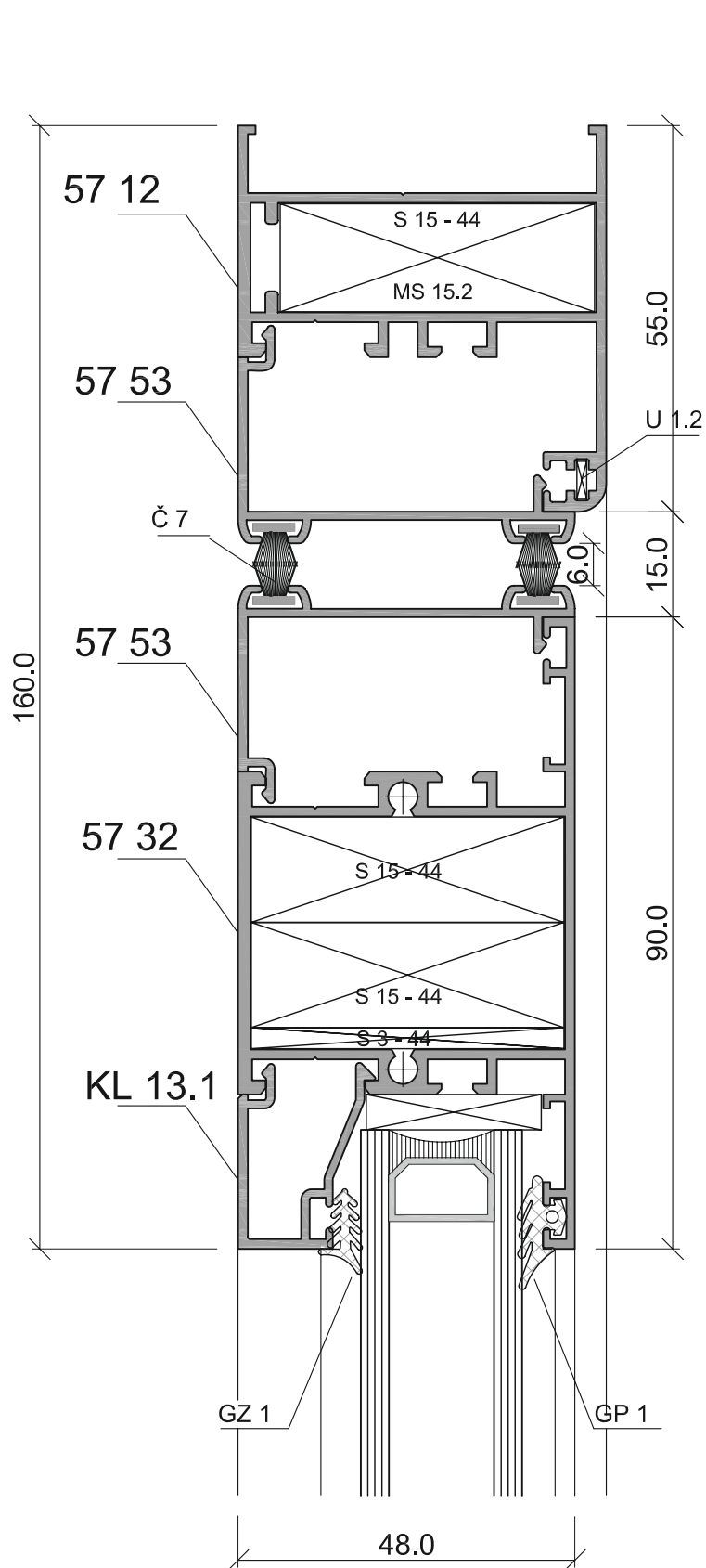


ALS
57

D

18

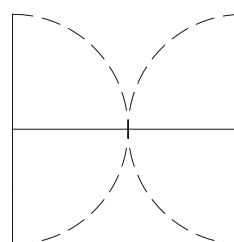
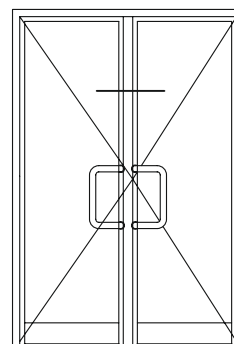
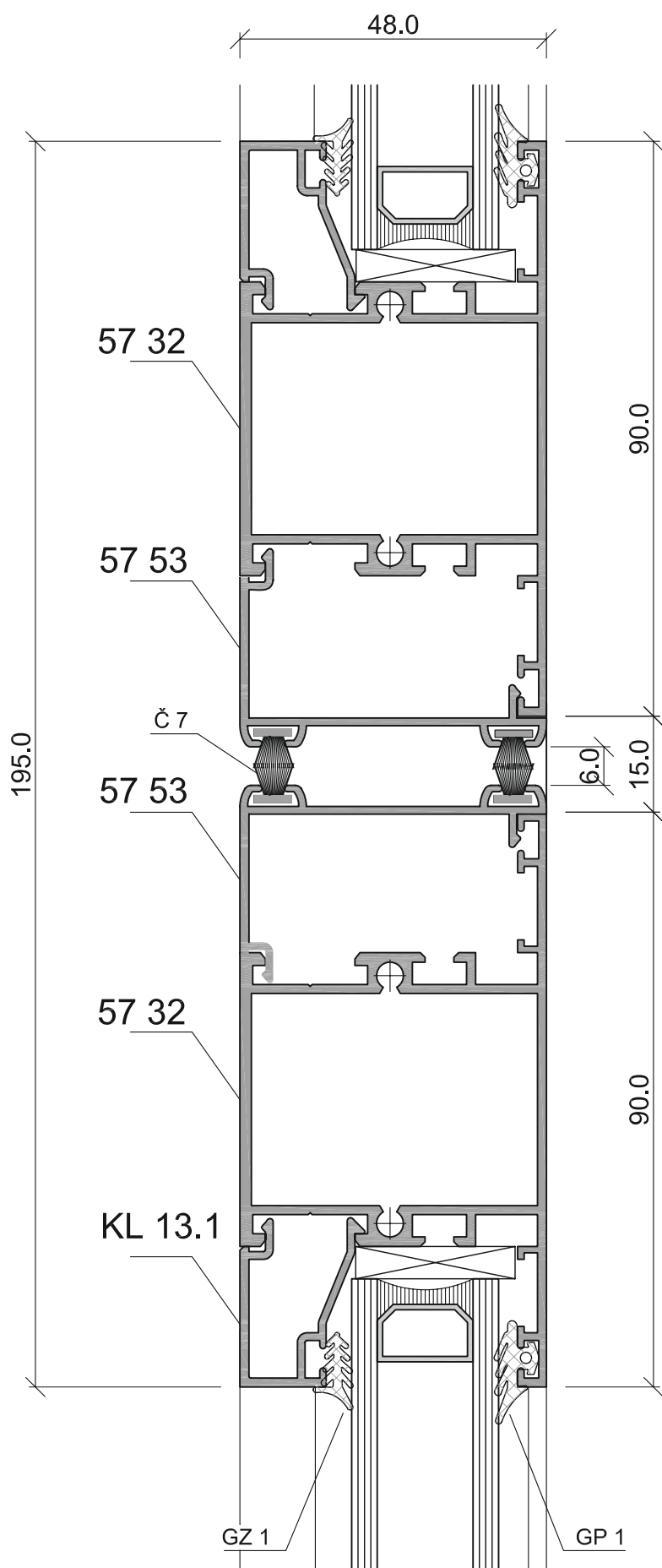




ALS
57

D

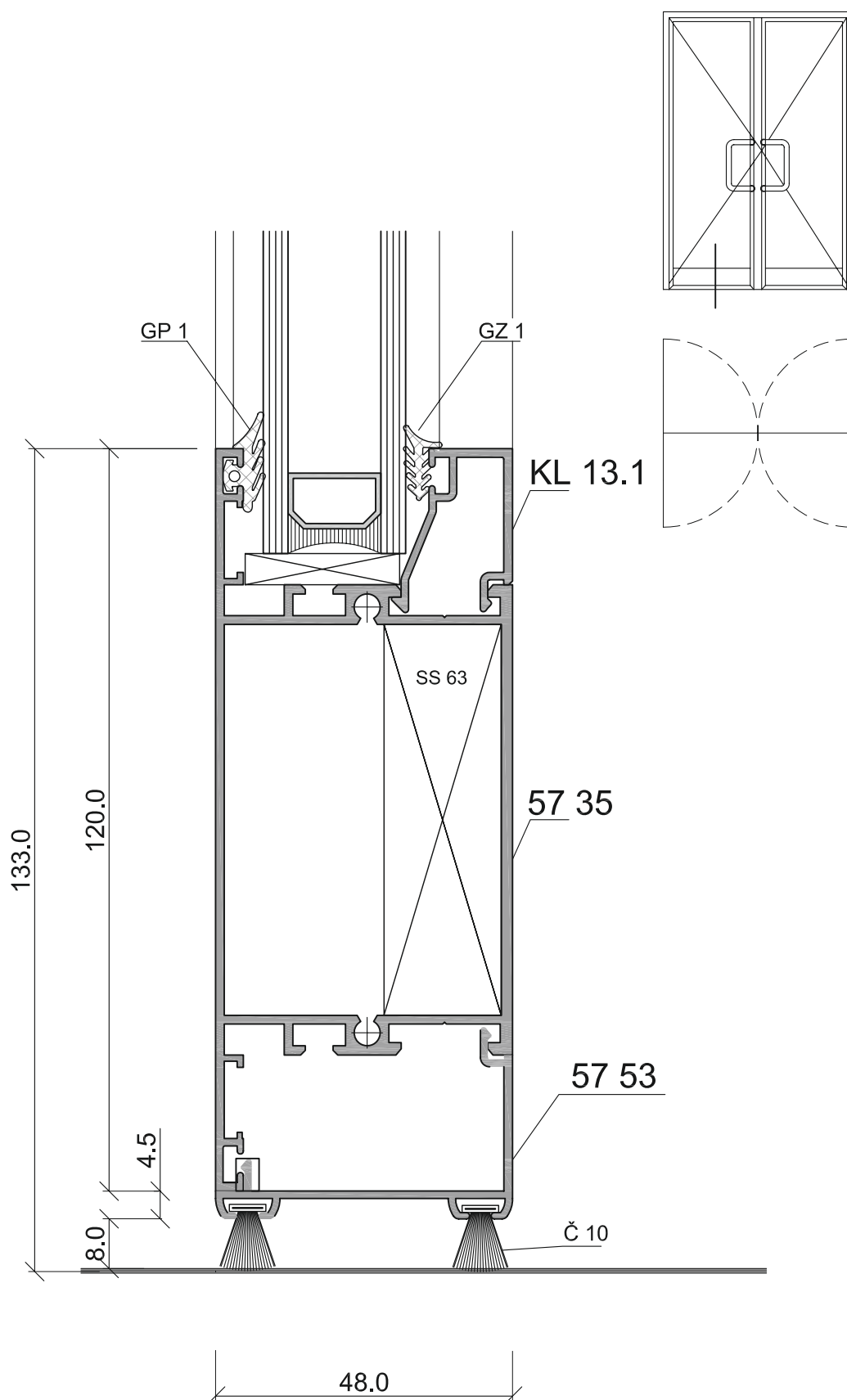
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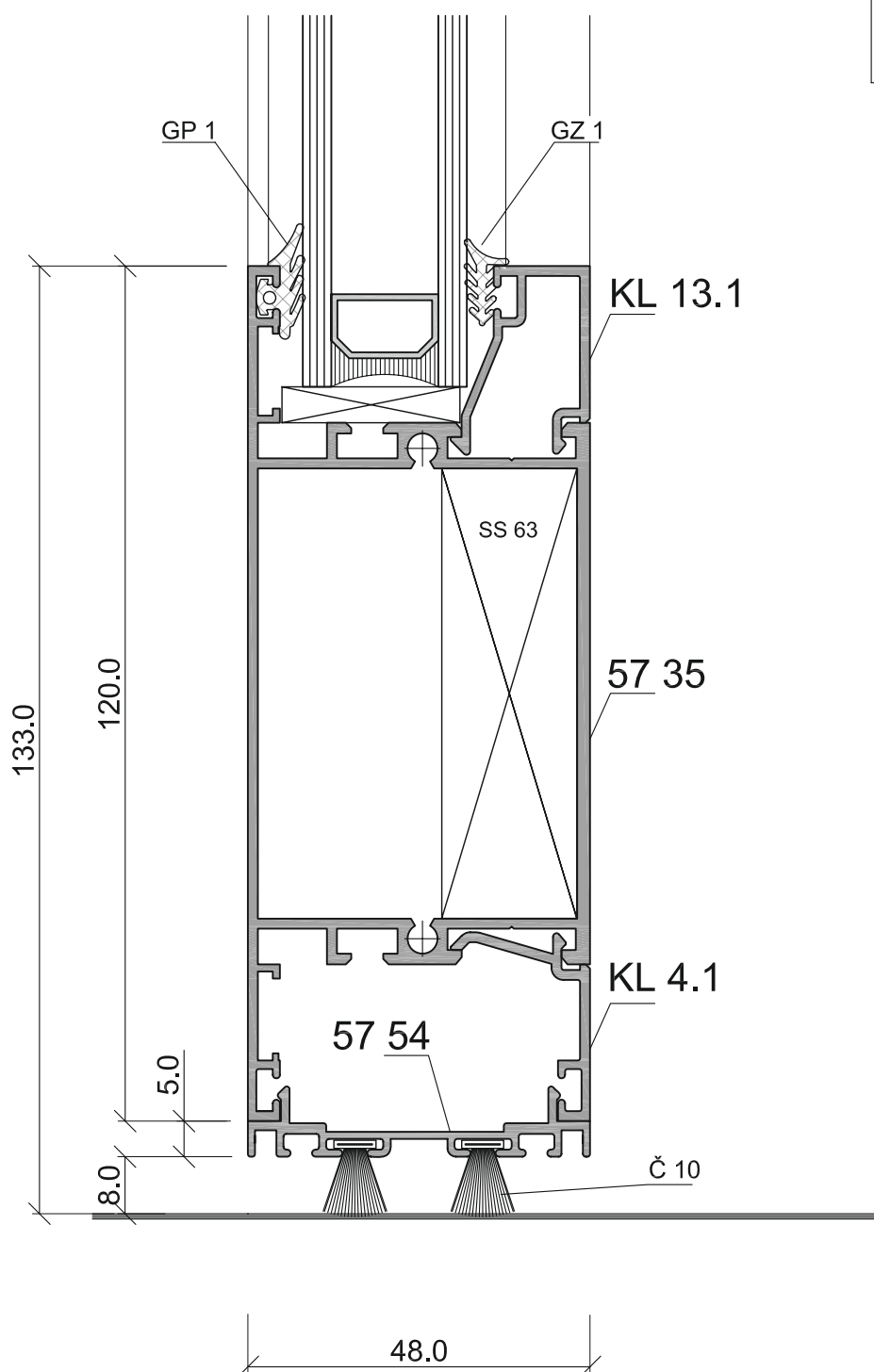
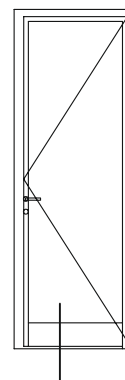


ALS
57

D

21

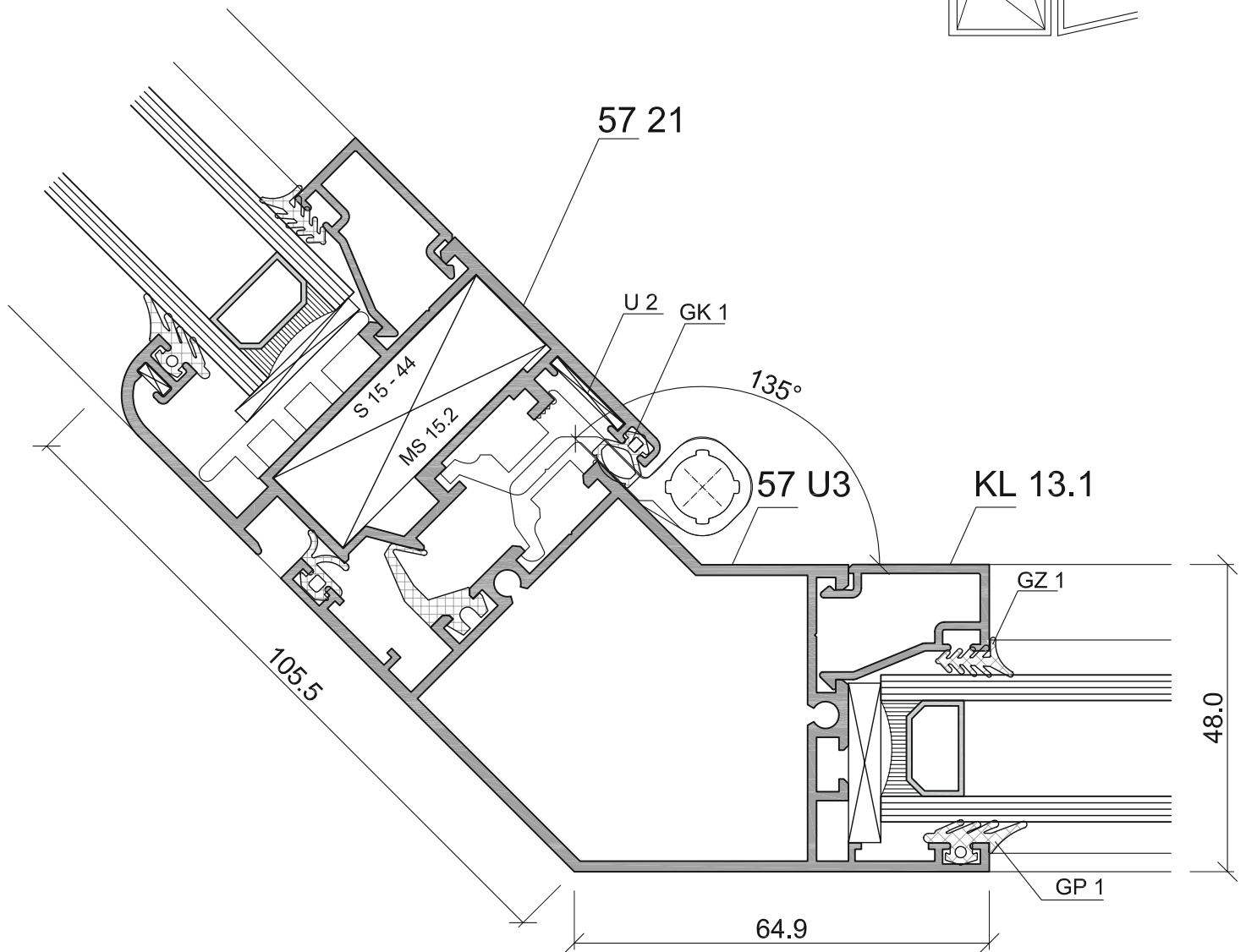
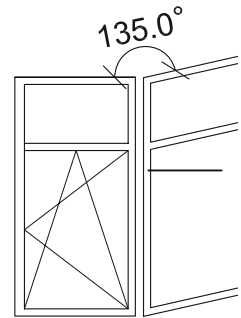


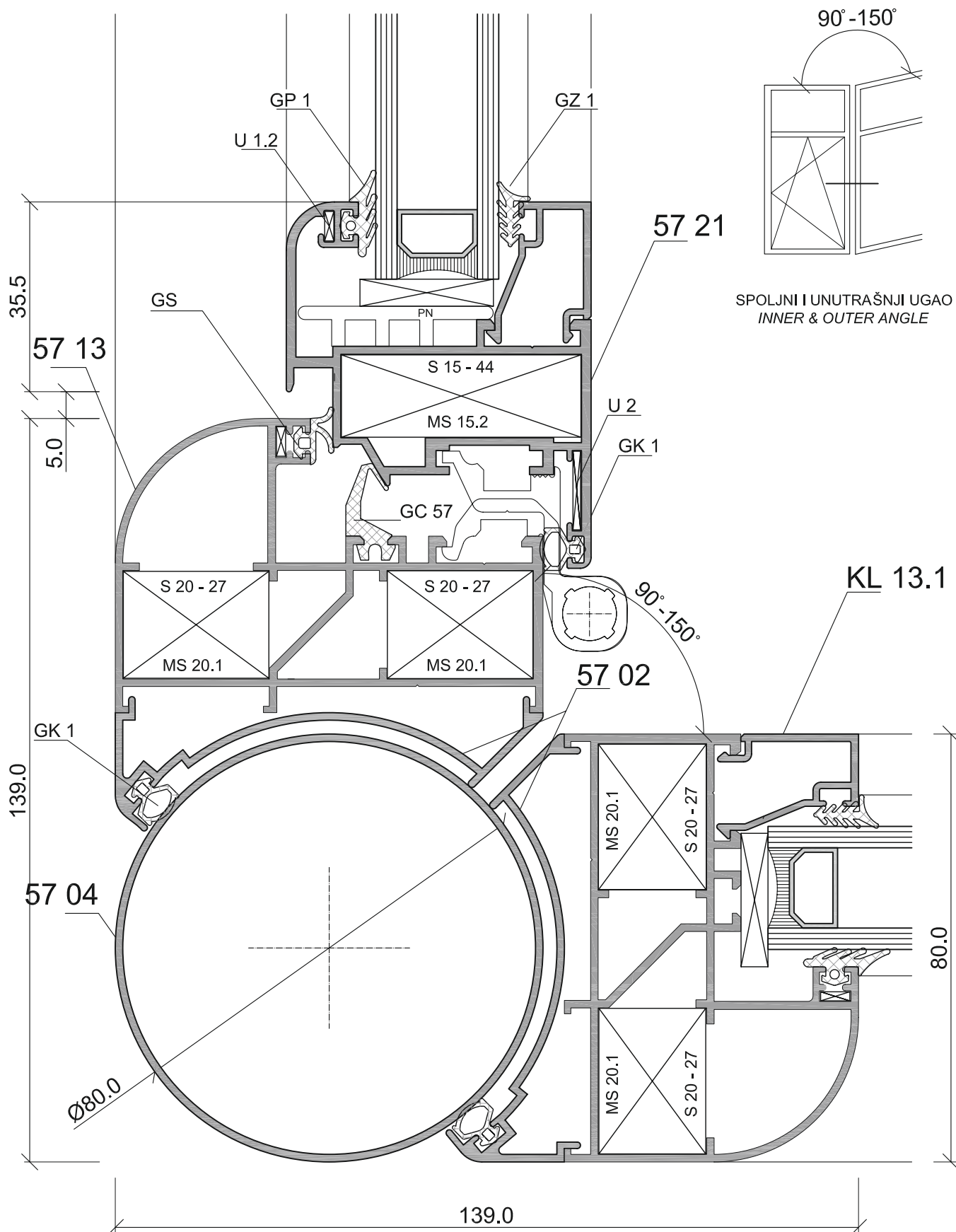


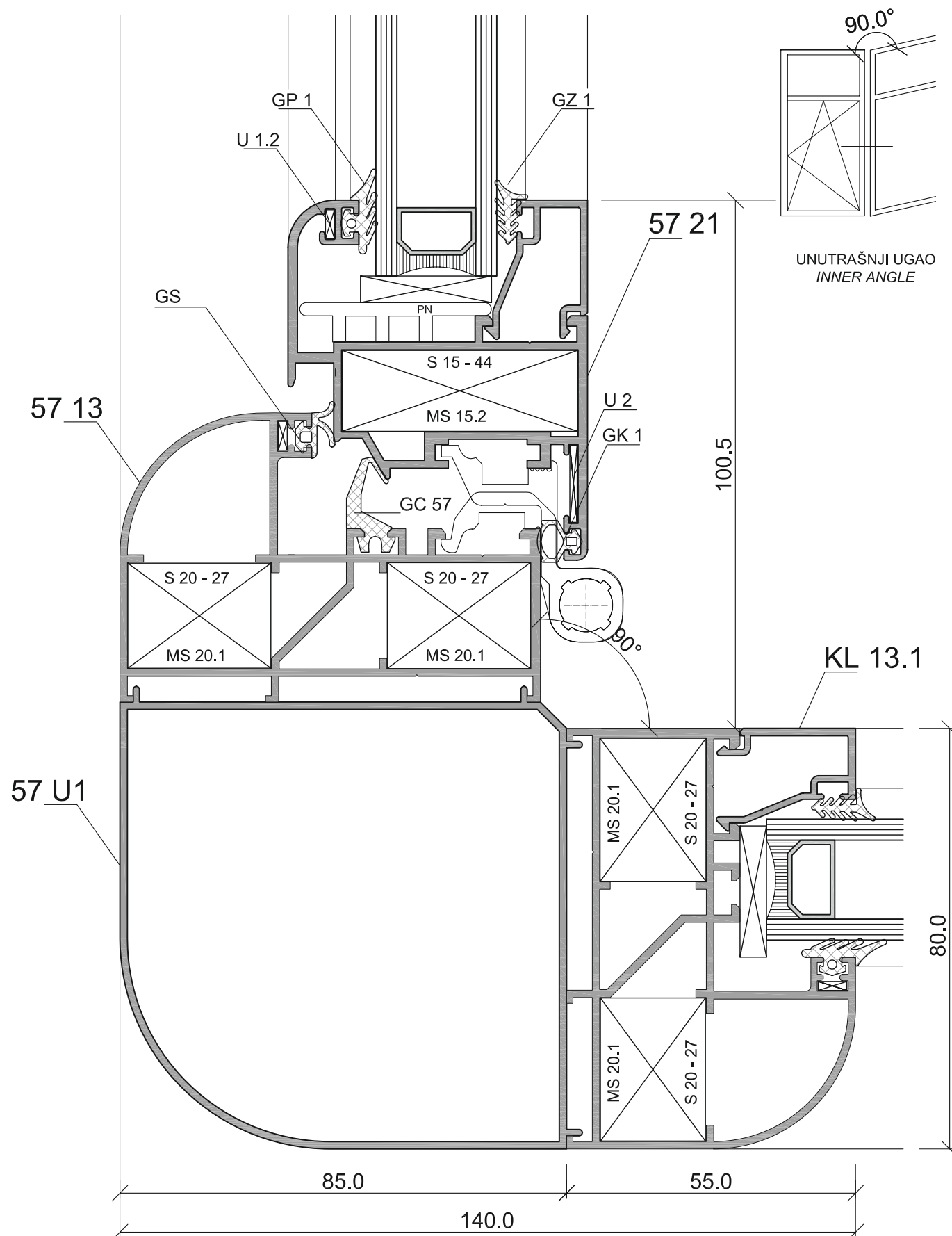
ALS
57

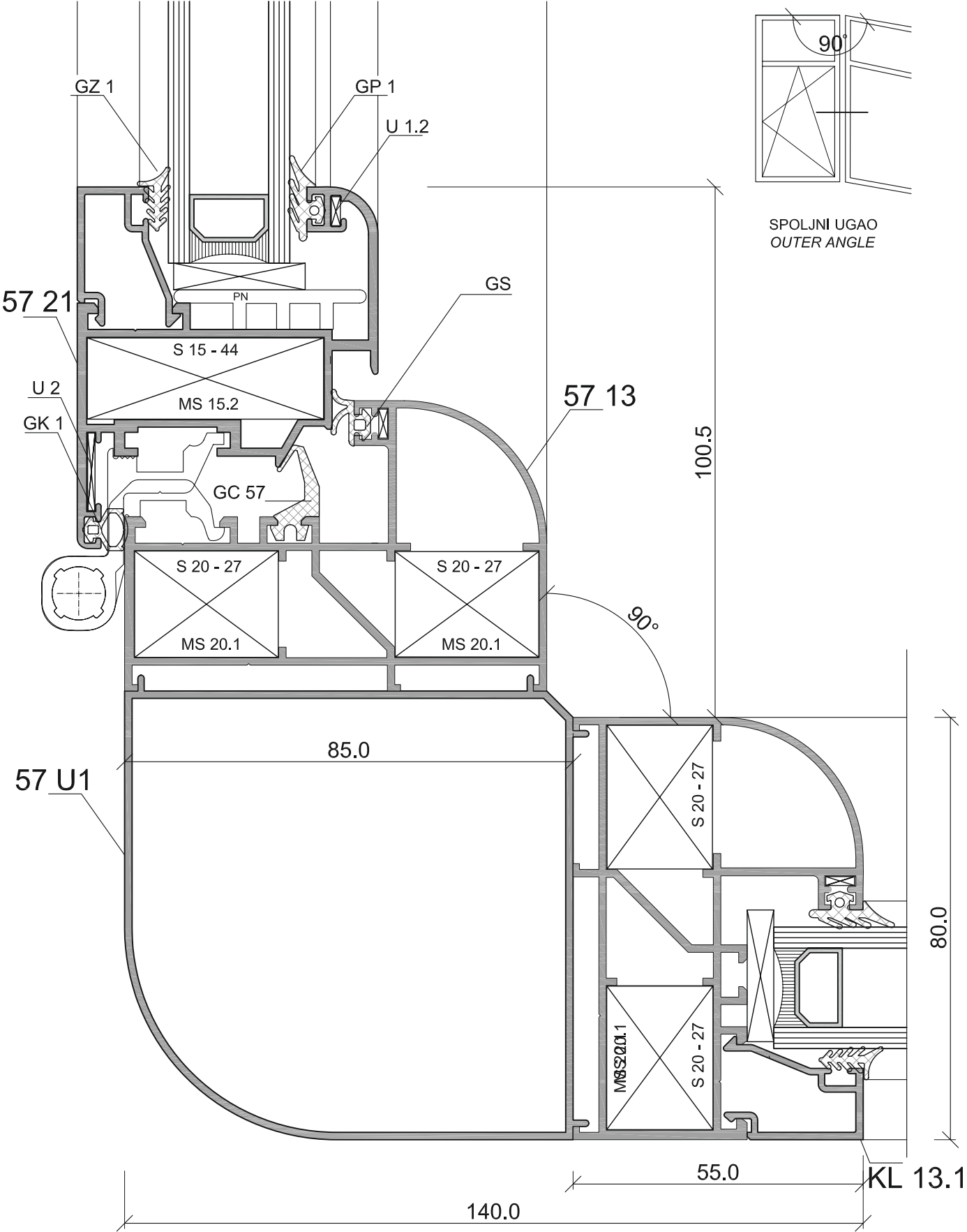
D

23





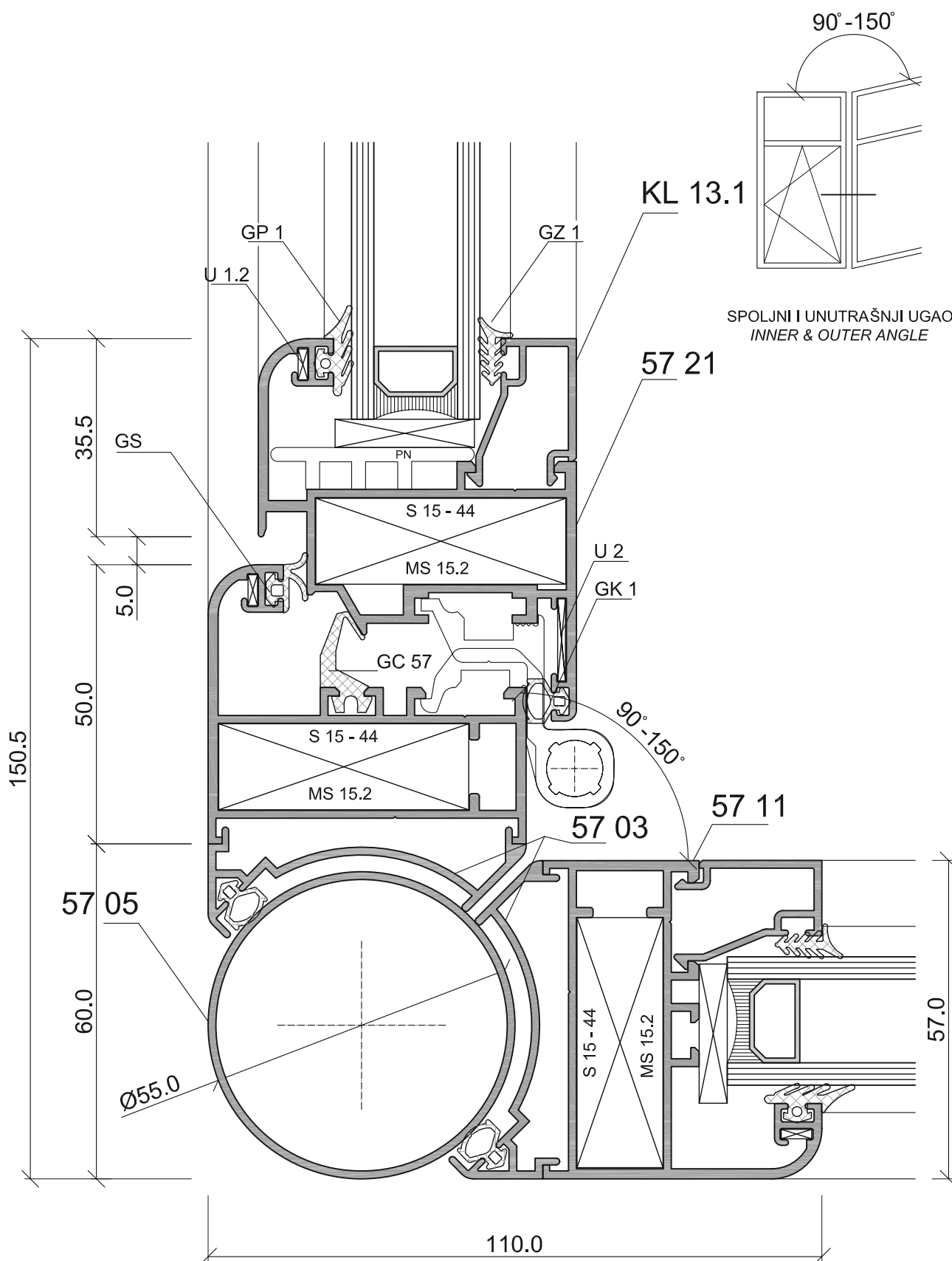


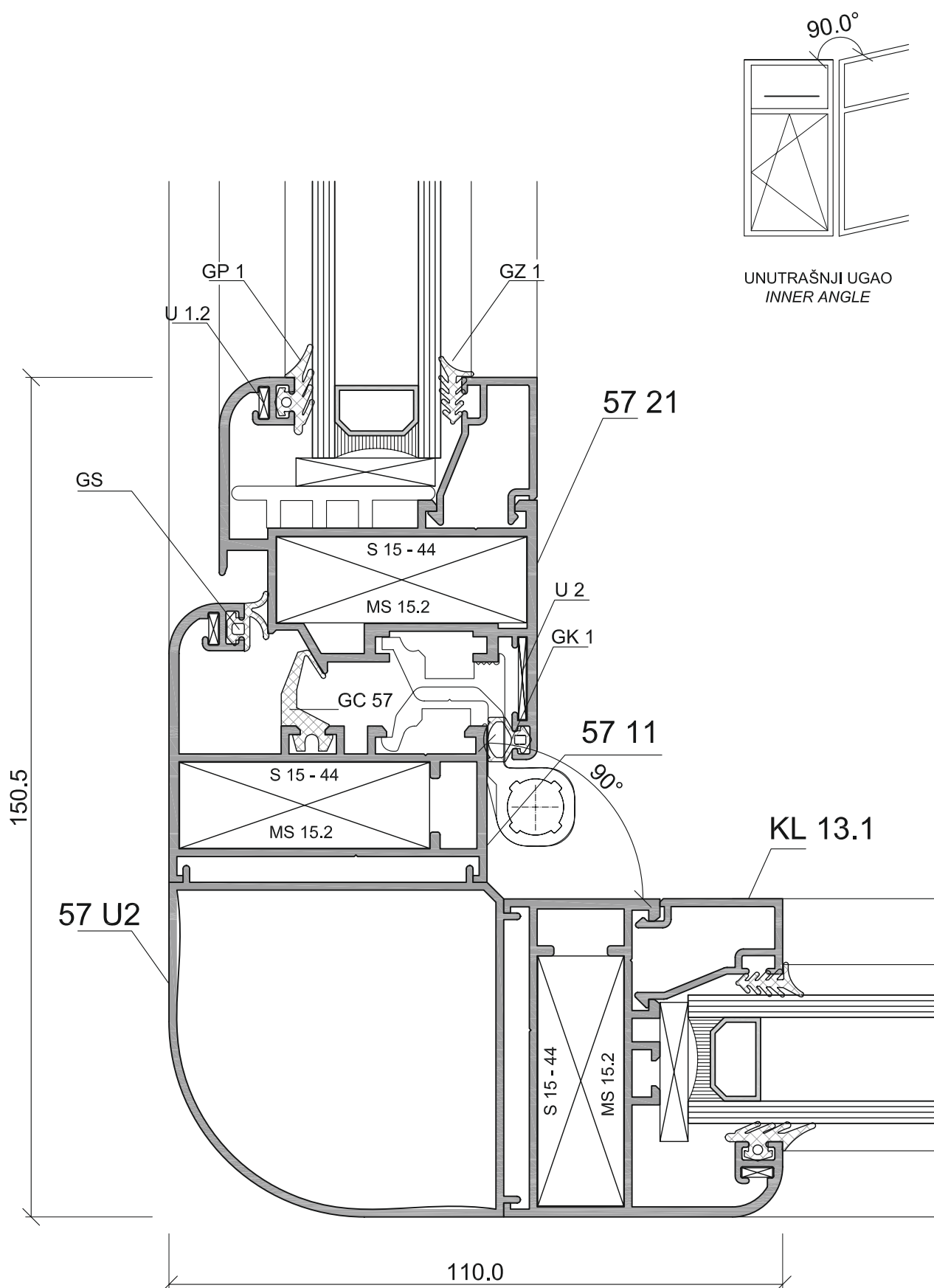


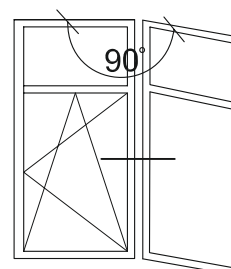
ALS
57

D

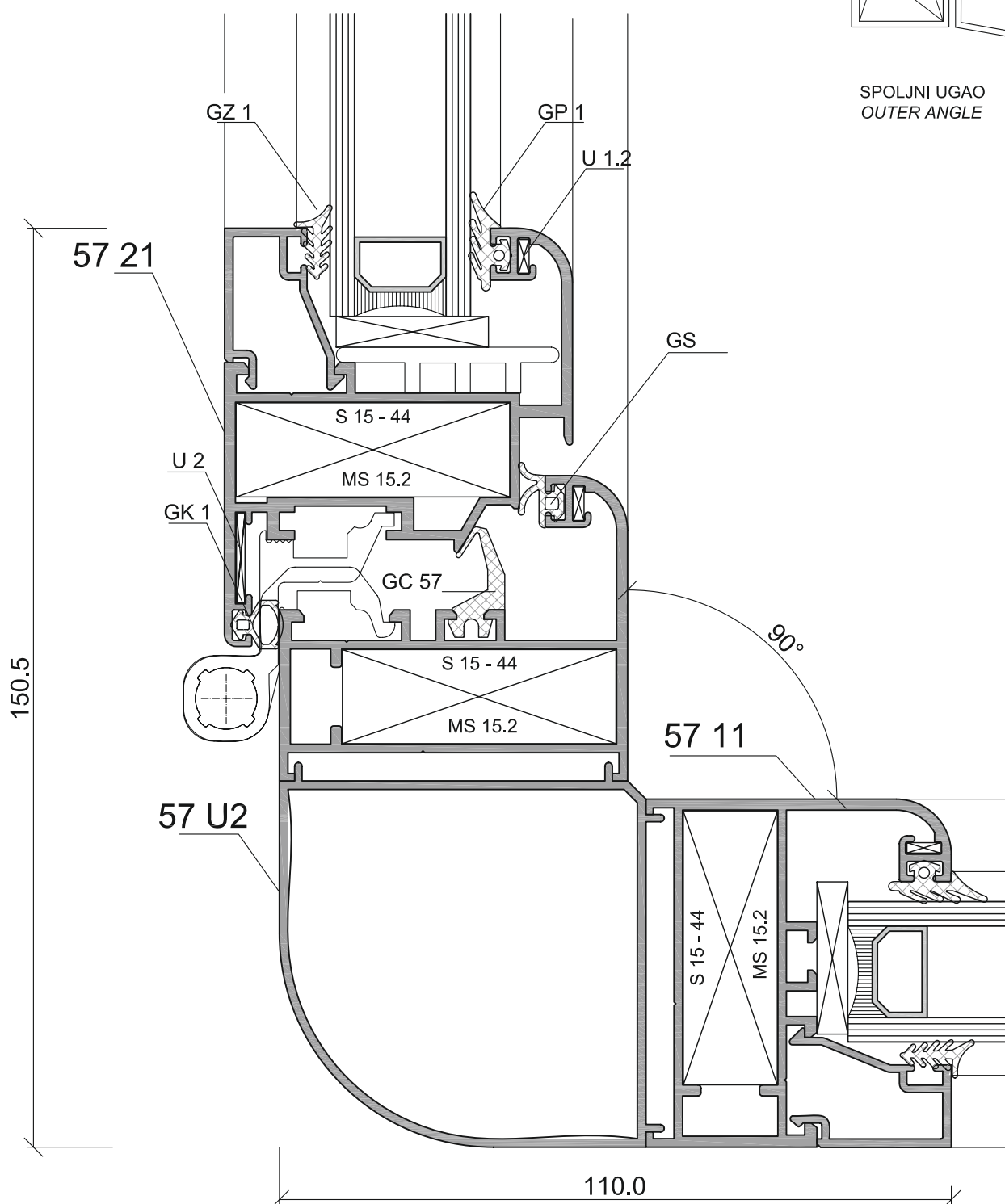
27







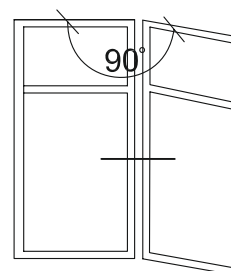
SPOLJNI UGAO
OUTER ANGLE



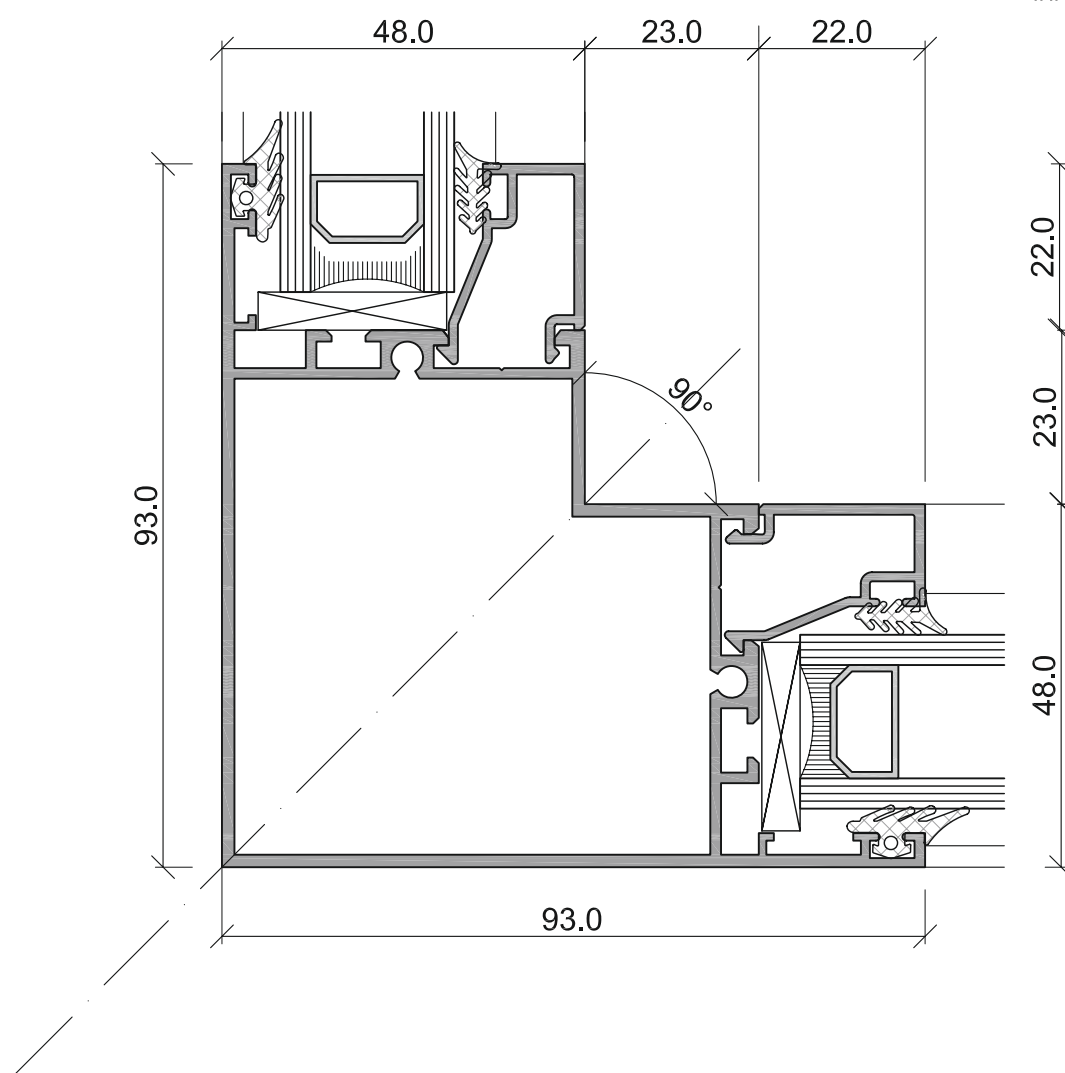
ALS
57

D

30



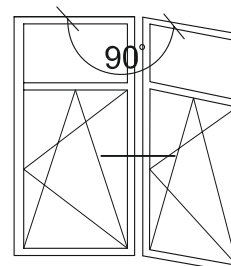
UNUTRAŠNJI UGAO
INNER ANGLE



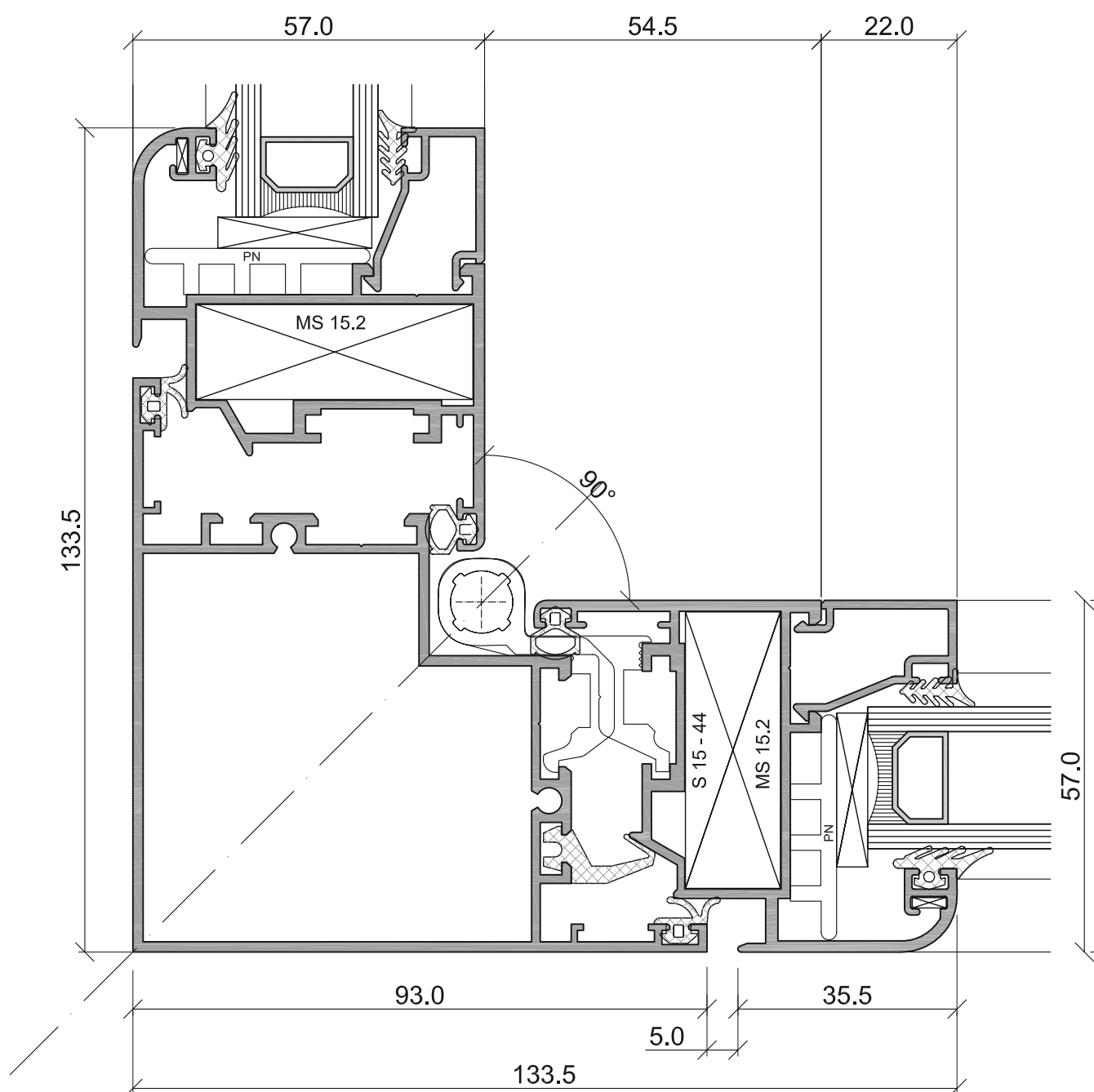
ALS
57

D

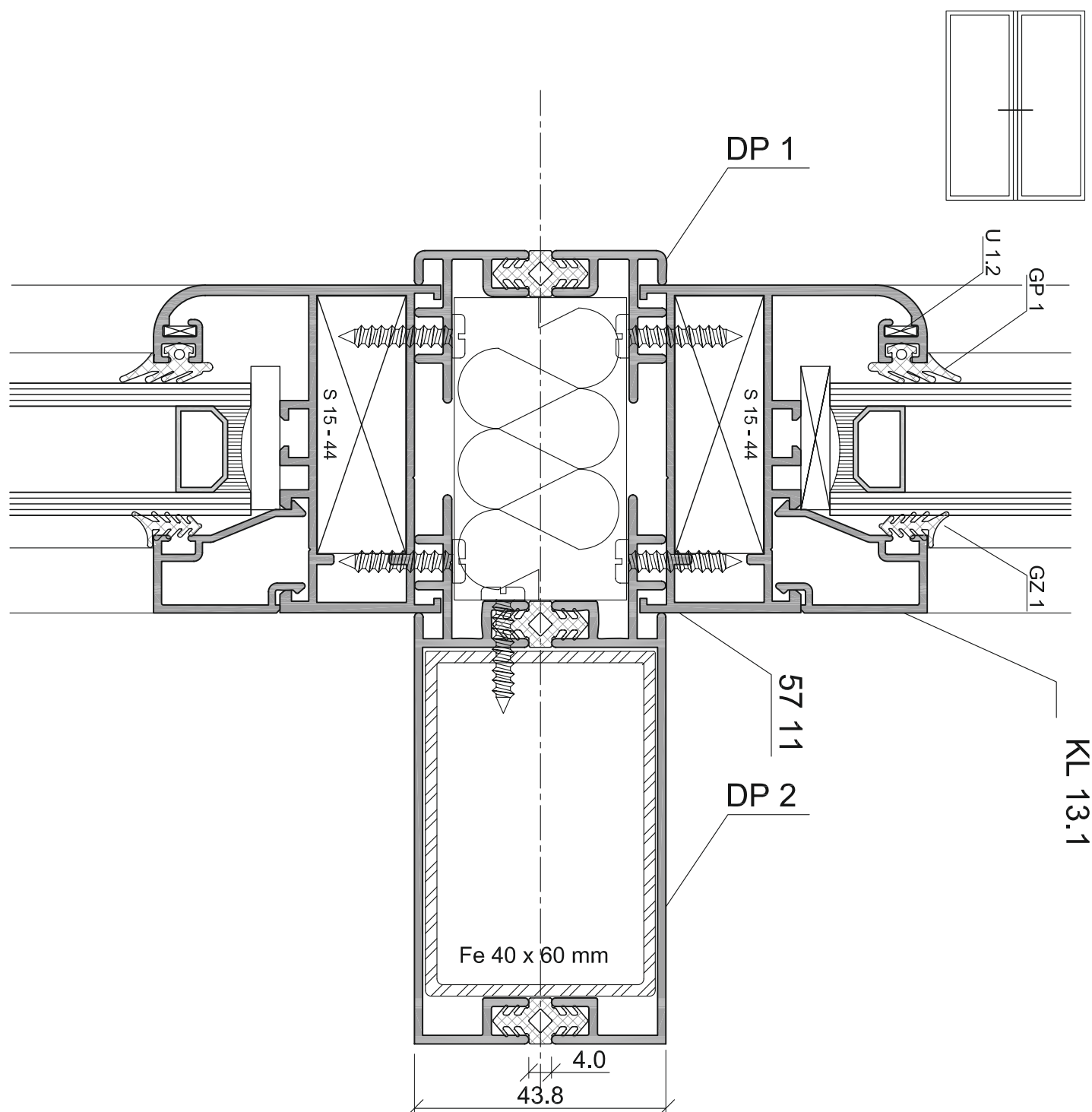
31



UNUTRAŠNJI UGAO
INNER ANGLE

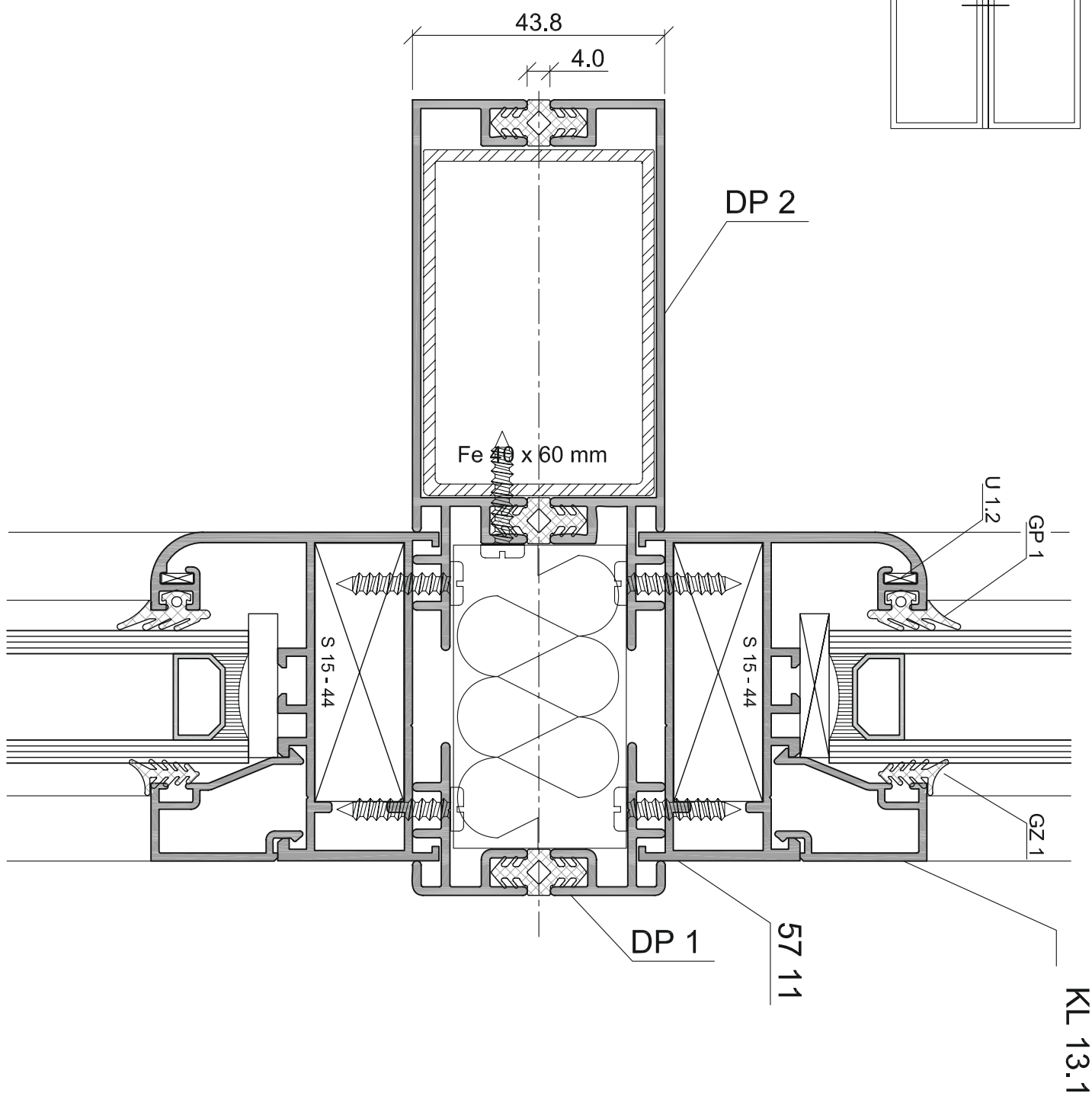


ALS	D	32
57		



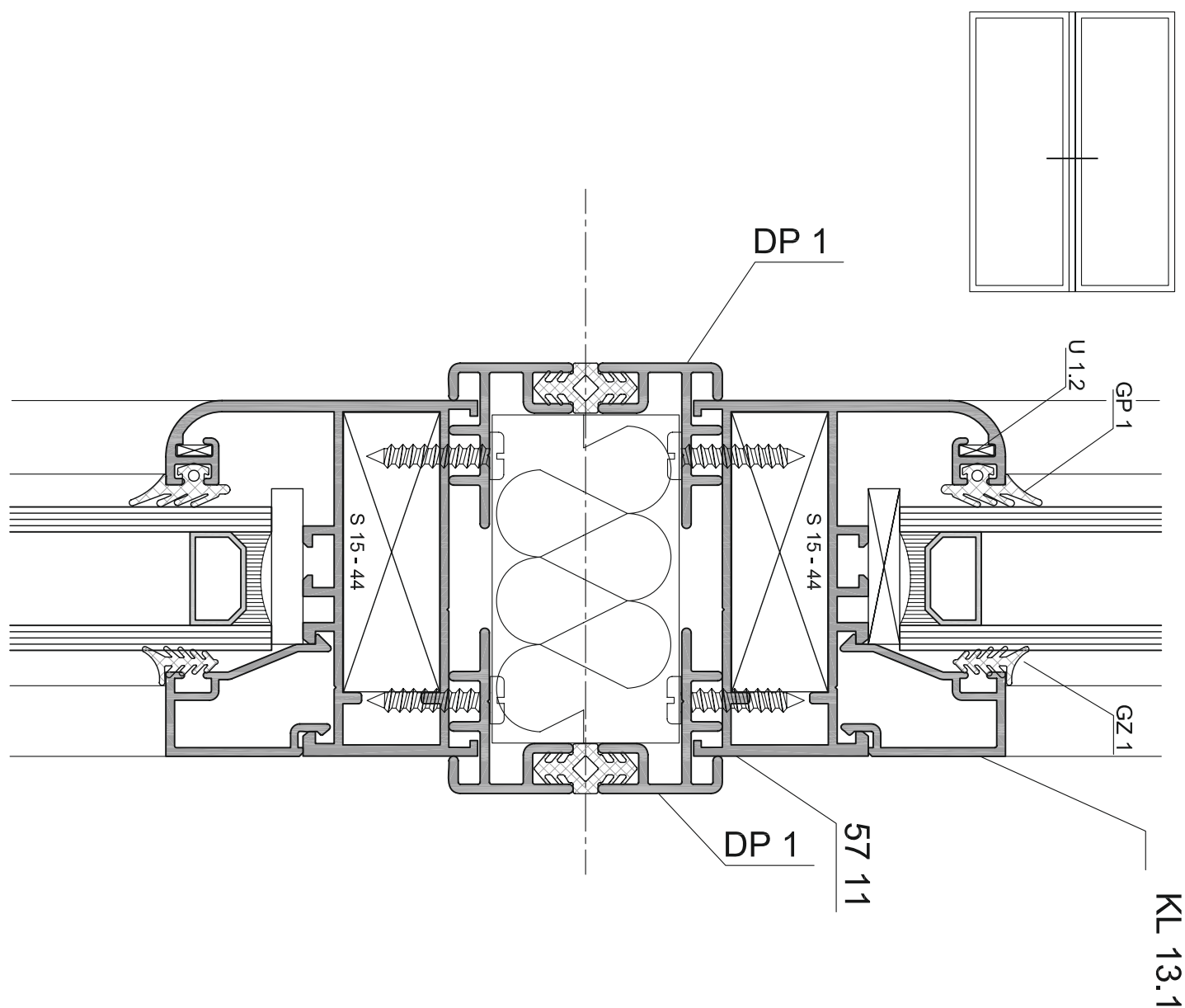
MOGUĆA PRIMENA SA 57 11 , 57 12 , 57 13
 POSSIBLE APPLICATION WITH 57 11 , 57 12 , 57 13

ALS	D	33
57		



MOGUĆA PRIMENA SA 57 11 , 57 12 , 57 13
 POSSIBLE APPLICATION WITH 57 11 , 57 12 , 57 13

ALS	D	34
57		

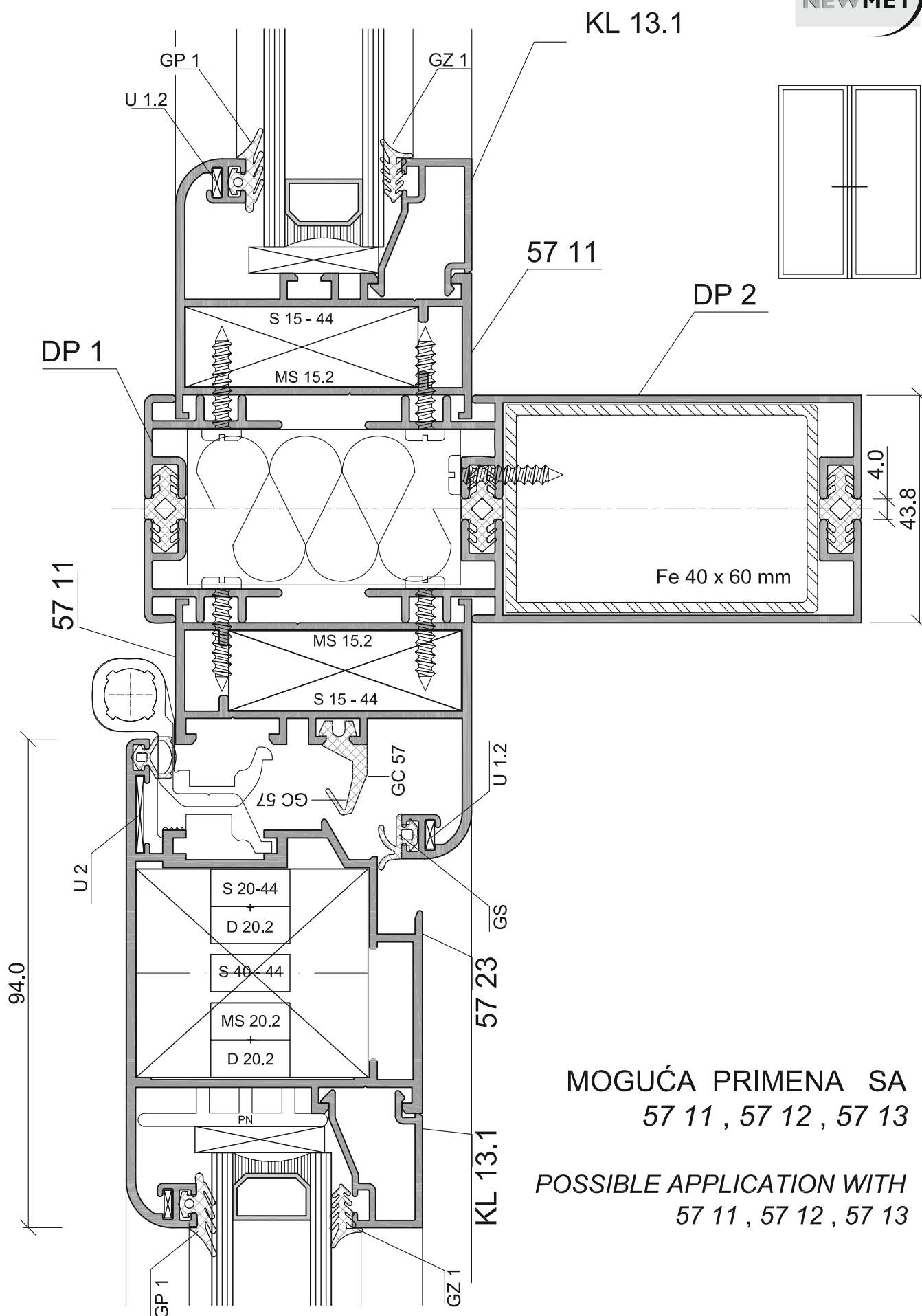


MOGUĆA PRIMENA SA 57 11 , 57 12 , 57 13
 POSSIBLE APPLICATION WITH 57 11 , 57 12 , 57 13

ALS
57

D

35



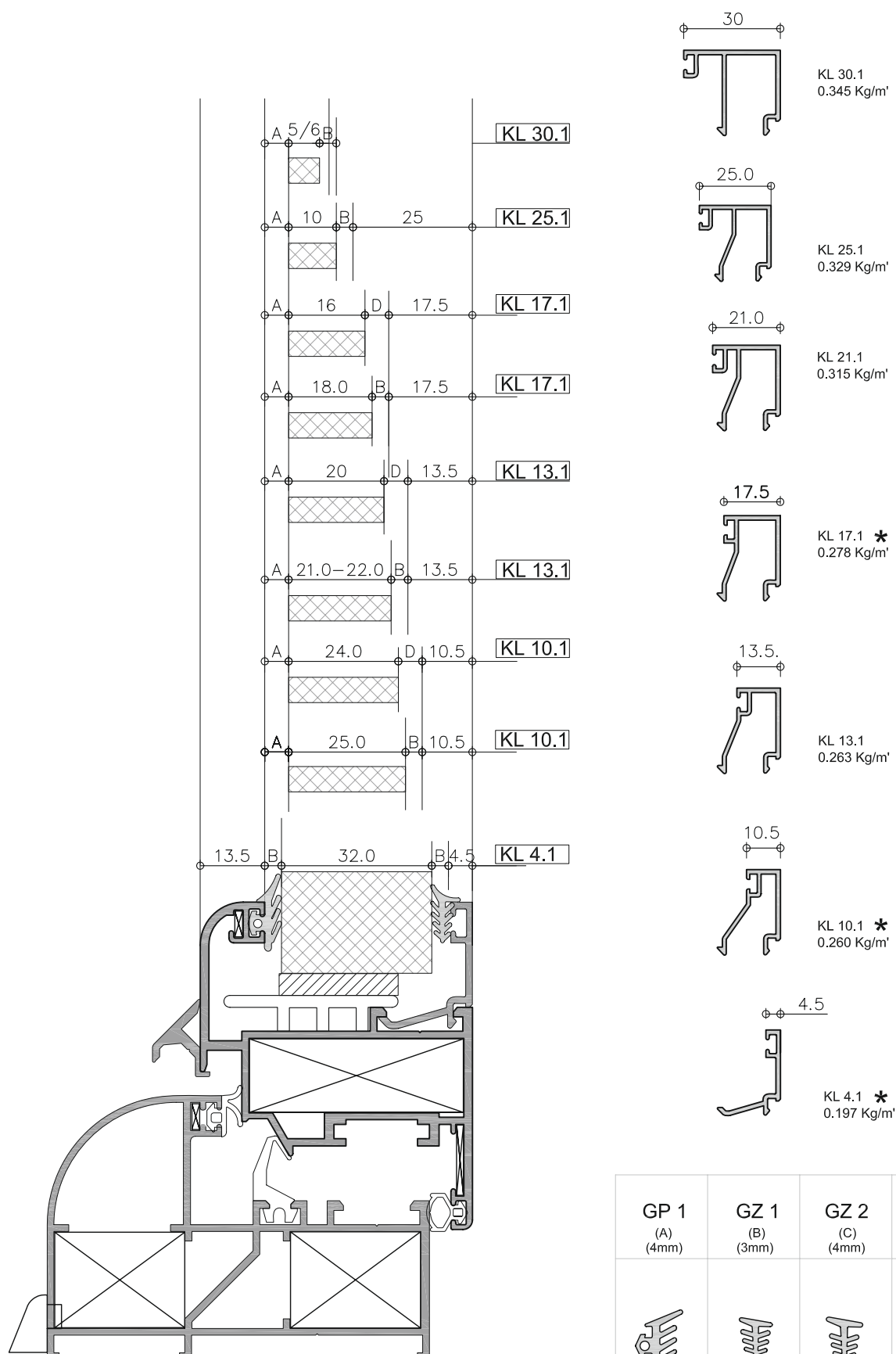
MOGUĆA PRIMENA SA
57 11 , 57 12 , 57 13

POSSIBLE APPLICATION WITH
57 11 , 57 12 , 57 13

segment E

pregled možnosti
prihvatanja ispune

overview of the
possibilities of filling
accepting



* iporučuju se po posebnoj narudžbini
* on demand

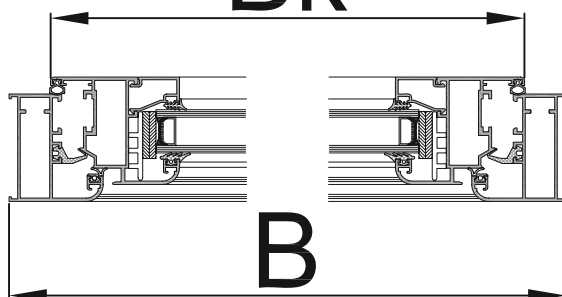
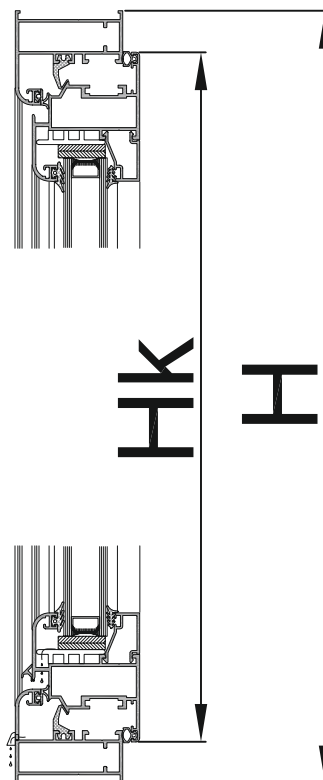
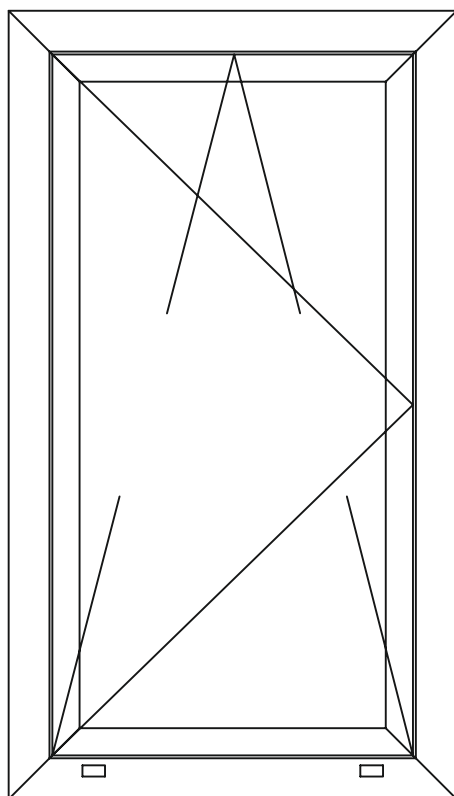
segment F

mašinska razrada
machine development

ALS
57

F

1



Sastavnica materijala							
pozicija	naziv	oznaka	krojenje	kom/j	L(mm)	kom	obrazac
1	horizontala štoka	57 11		2	1000	2	B
2	vertikala štoka	57 11		2	1400	2	H
3	horizontala krila	57 21		2	955	2	$B_k = B - 2 * 28 + 2 * 5,5$
4	vertikala krila	57 21		2	1355	2	$H_k = H - 2 * 28 + 2 * 5,5$
5	hor.kit lajsna	KL 13.1		2	862	2	$B_{kl} = B_k - 2 * 46,5$
6	ver.kit lajsna	KL 13.1		2	1218	2	$H_{kl} = H_k - 2 * 46,5 - 2 * 22$
7	ug.uloška-štok/krilo	M-5224 x 44,0	S 15 - 44	8		8	
8	limeni uglič štok/krilo		U 1.2	8		8	
9	limeni uglič krilo		U 2	4		4	
10	guma	GC 57	m'	4.7		4.7	$(B_k + H_k) * 2$
11	guma	GS	m'	4.7		4.7	$(B_k + H_k) * 2$
12	guma	GK 1	m'	4.7		4.7	$(B_k + H_k) * 2$
13	guma	GP 1	m'	4.2		4.2	$(B_{kl} + H_{kl}) * 2$
14	guma	GZ 3	m'	4.2		4.2	$(B_{kl} + H_{kl}) * 2$
15	okapnik	PO		2		2	
16	okapnica	OK 1		1	889	1	$B_k - 2 * 33$
17	zavrtanj	A 2.9 x 13	JUS M.B1.467	3		3	
18	termopan # 4+12+4	FLOT + FLOT			845 1245		$B_k - 2 * 46,5 - 12 - 5$ $H_k - 2 * 46,5 - 12 - 5$
19	nosač kaje za staklo	PN	PA	7		7	
20	N i D podmetači	20.03(30mm)	okiten	14		14	

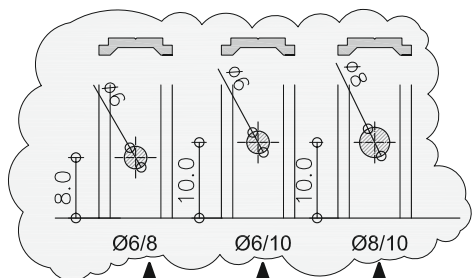
segment G

univerzalna presa ručna

universal hand presses

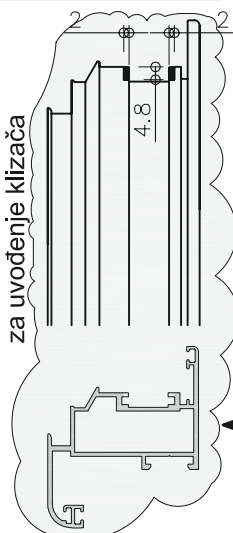
ALS 57 (K1)
ALT 55 (K1)
ALT 68 (K1)

otvor na klizaču



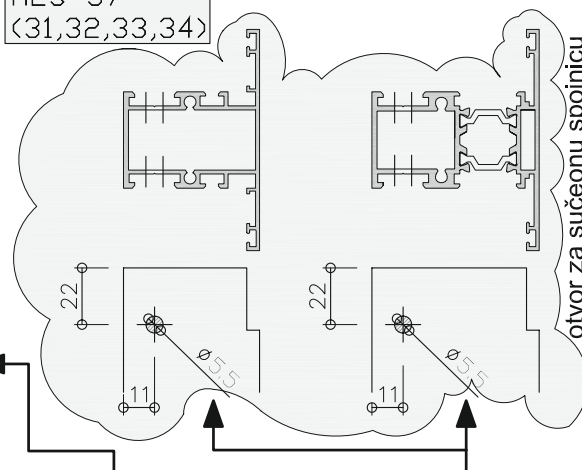
ALS 57 (21,22,23)
ALT 55 (21,23,24)
ALT 68 (21,23,24)

podsecanje krila
za uvođenje klizača

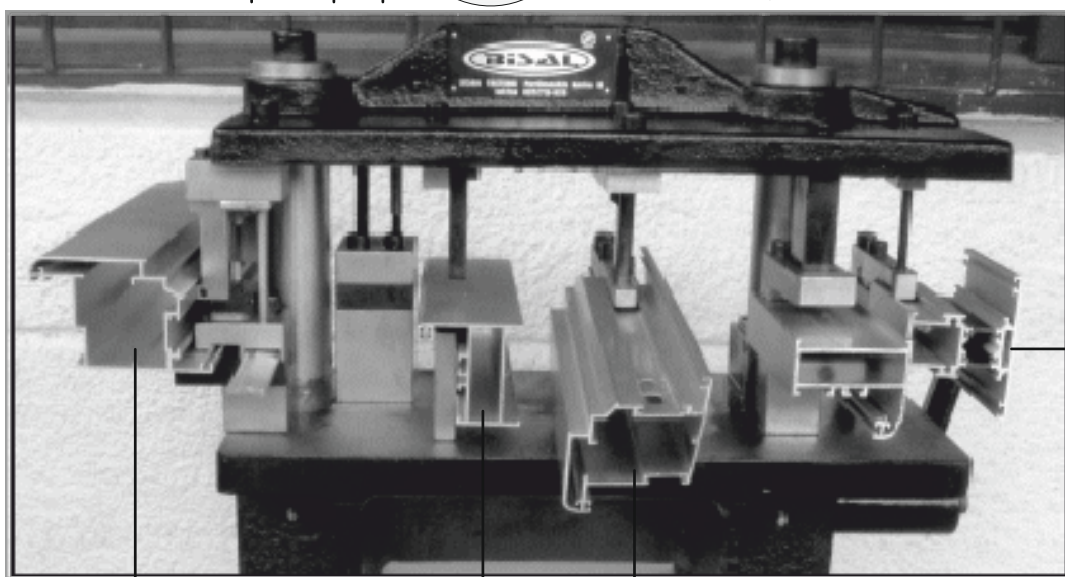


ALT 55 (31,33)
ALT 68 (32,33,34,35)

ALS 57
(31,32,33,34)



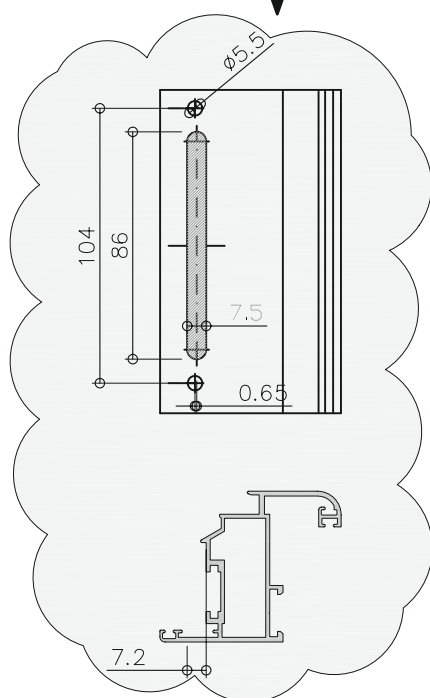
otvor za sučeonu spojnicu



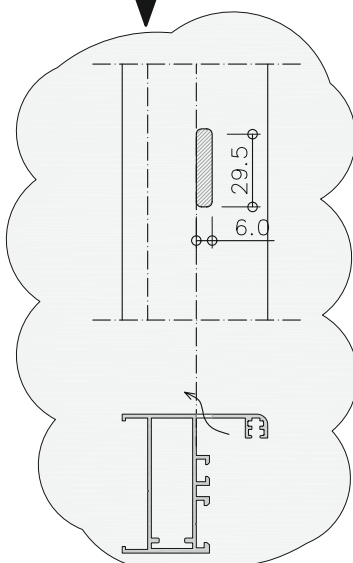
otvor za ručicu

otvor za drenažu

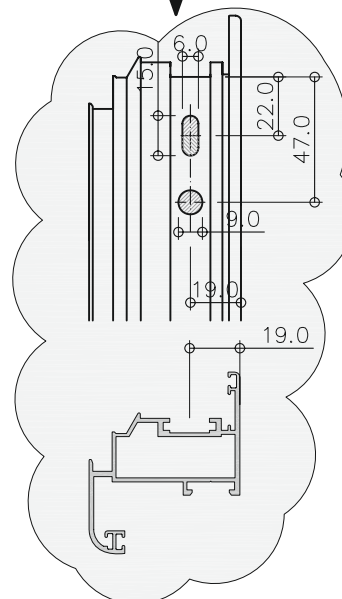
otvor za montažnu
ugaonu spojnicu



ALS 57 (21,22)
ALT 55 (21,23,24)
ALT 68 (21,23)



ALS 57 (11,12)
ALT 55 (11)
ALT 68 (11,12,13)
ALD 2100 (11,12)
ALD 2101 (03)



ALS 57 (11,12,13,21,22,23)
ALT 55 (11,21,23,24)
ALT 68 (11,12,13,21,23,24)

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