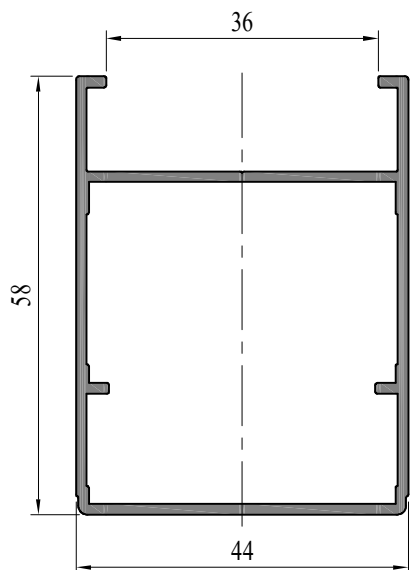




ALTOMA

OKIENNICE ALUMINIOWE

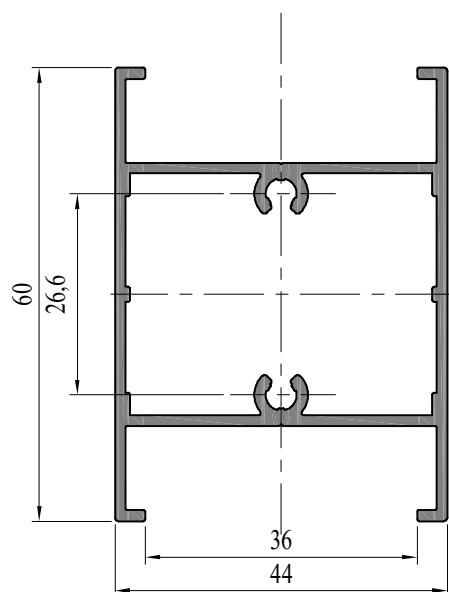
ALTOMA sp. z o.o.
Zawisna 138 A
Kamienica Polska



TS01

skrzydło
 $m = 0,805 \text{ kg/m}$
 $p = 237 \text{ mm}$
 $l = 7000 \text{ mm}$

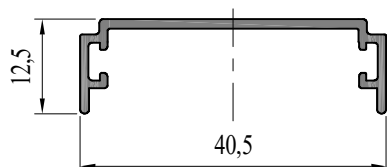
akcesoria: TA01



TS02

poprzeczka
 $m = 0,939 \text{ kg/m}$
 $p = 277 \text{ mm}$
 $l = 7000 \text{ mm}$

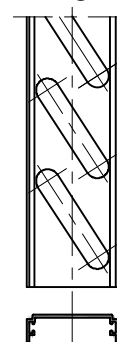
akcesoria: TA02



TS03

listwa
 $m = 0,231 \text{ kg/m}$
 $p = 142 \text{ mm}$
 $l = 7000 \text{ mm}$

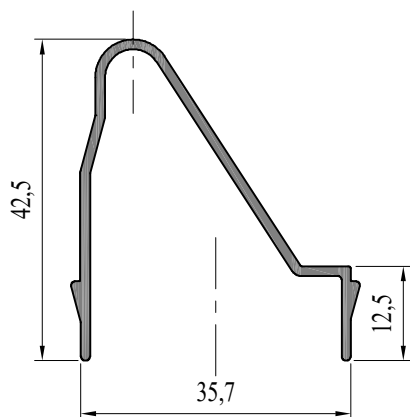
uwaga: listwa z otworami



TS03R

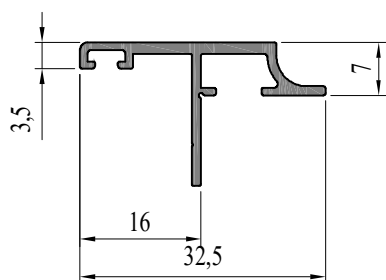


TS03L



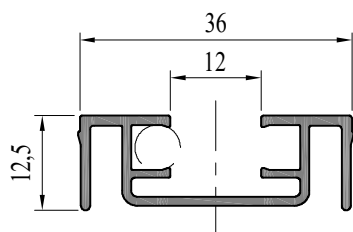
TS04

zamknięcie
 $m = 0,366 \text{ kg/m}$
 $p = 205 \text{ mm}$
 $l = 7000 \text{ mm}$



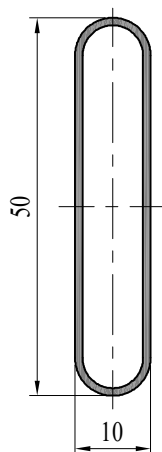
TS05

przemyk
 $m = 0,220 \text{ kg/m}$
 $p = 130 \text{ mm}$
 $l = 7000 \text{ mm}$



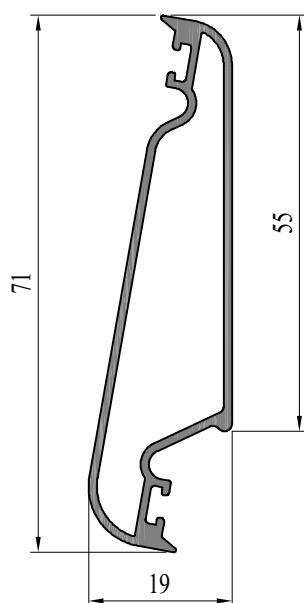
TS06

gniazdo 12 mm
 $m = 0,325 \text{ kg/m}$
 $p = 199 \text{ mm}$
 $l = 7000 \text{ mm}$



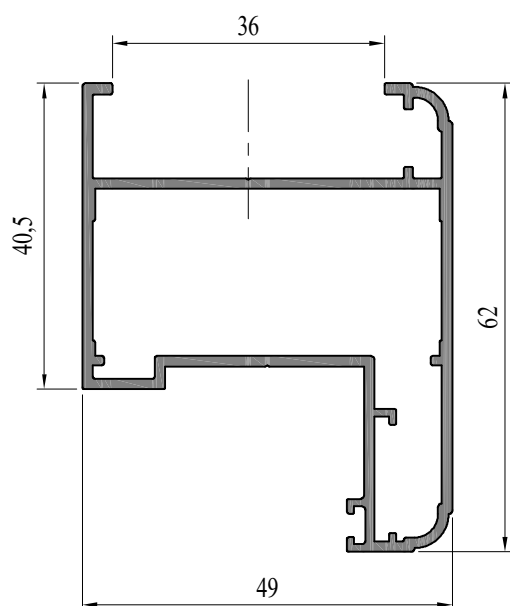
TS07

listwa, lamela
 $m = 0,293 \text{ kg/m}$
 $p = 111 \text{ mm}$
 $l = 7000 \text{ mm}$



TS08

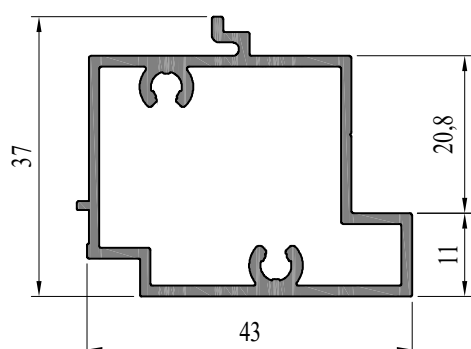
listwa,
lamela ruchoma
 $m = 0,535 \text{ kg/m}$
 $p = 188 \text{ mm}$
 $l = 7000 \text{ mm}$



TS10

skrzydło
 $m = 0,928 \text{ kg/m}$
 $p = 284 \text{ mm}$
 $l = 7000 \text{ mm}$

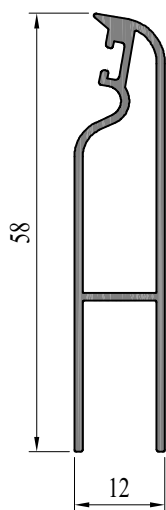
akcesoria: TA10, TA11,
TB10



TS11

przymyk
 $m = 0,689 \text{ kg/m}$
 $p = 167 \text{ mm}$
 $l = 7000 \text{ mm}$

akcesoria: TB11



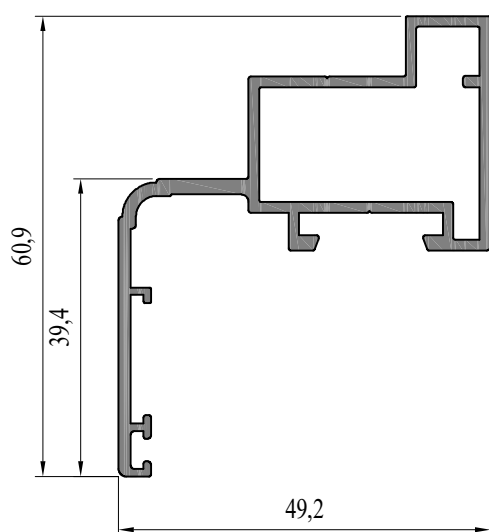
TS12

listwa, lamela start.

$m = 0,417 \text{ kg/m}$

$p = 187 \text{ mm}$

$l = 7000 \text{ mm}$



TS14

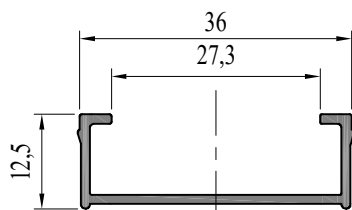
futryna

$m = 0,792 \text{ kg/m}$

$p = 271 \text{ mm}$

$l = 7000 \text{ mm}$

akcesoria: TA11, TA14



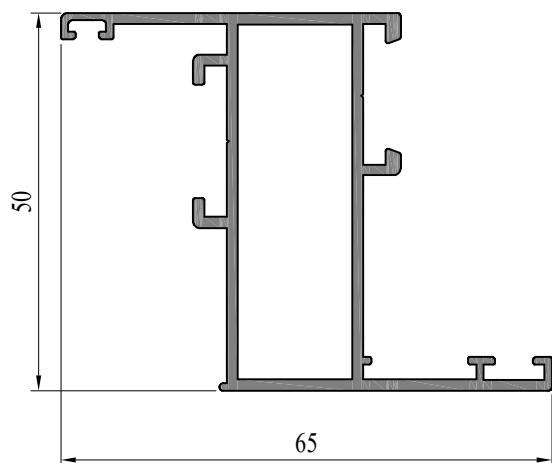
TS20

gniazdo (pod panel)
27 mm

$m = 0,214 \text{ kg/m}$

$p = 129 \text{ mm}$

$l = 7000 \text{ mm}$



TS24

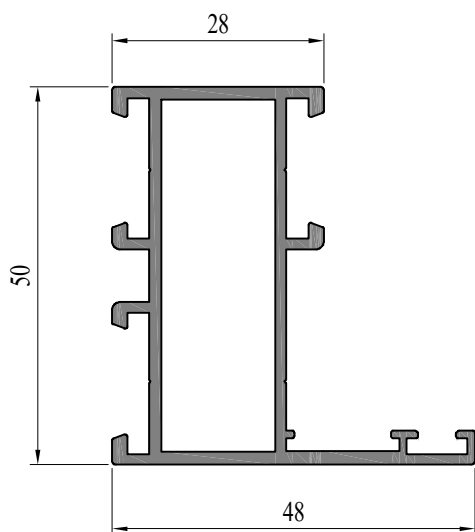
futryna

$m = 0.849 \text{ kg/m}$

$p = 318.0 \text{ mm}$

$l = 7000 \text{ mm}$

akcesoria: TA11, TA24



TS24

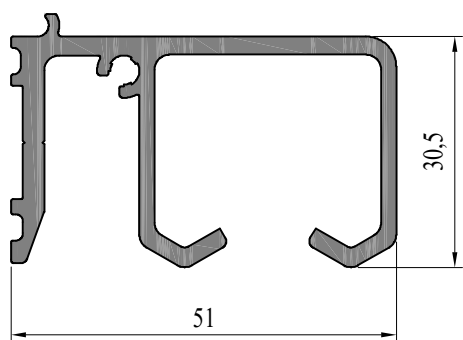
futryna

$m = 0.863 \text{ kg/m}$

$p = 288.2 \text{ mm}$

$l = 7000 \text{ mm}$

akcesoria: TA11, TA24



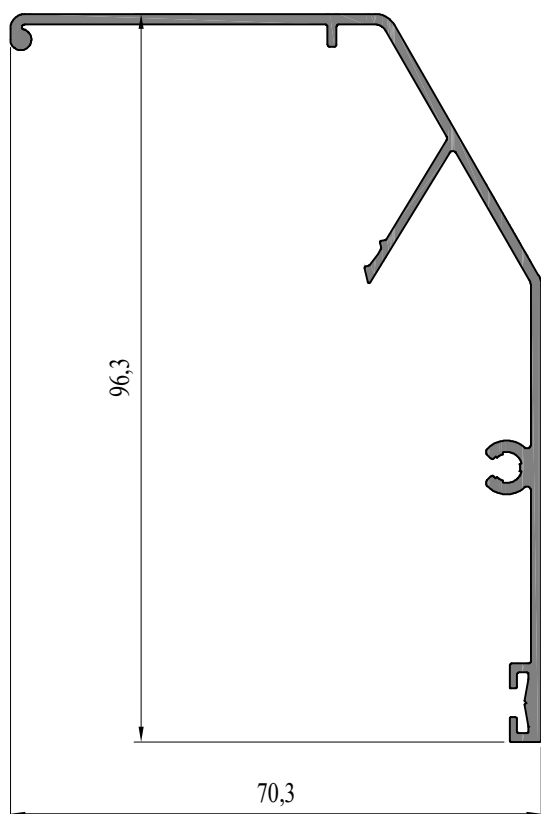
TS31

szyna

$m = 1,000 \text{ kg/m}$

$p = 319 \text{ mm}$

$l = 7000 \text{ mm}$



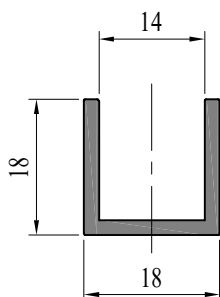
TS32

pokrywa

$m = 0.766 \text{ kg/m}$

$p = 398 \text{ mm}$

$l = 7000 \text{ mm}$



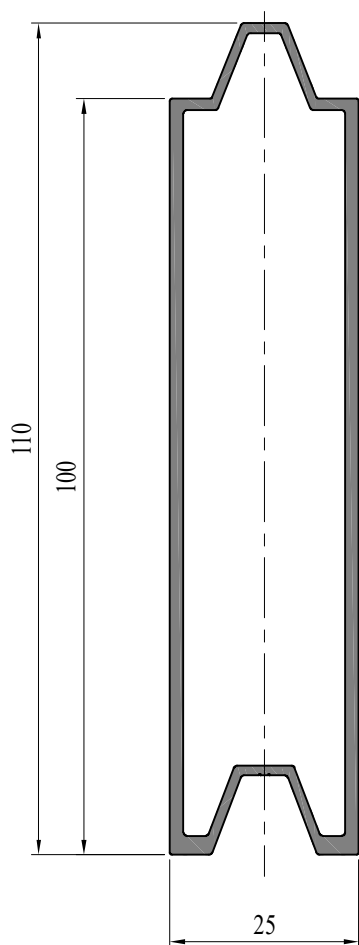
TS33

ceownik/prowadnica

$m = 0.270 \text{ kg/m}$

$p = 103 \text{ mm}$

$l = 7000 \text{ mm}$



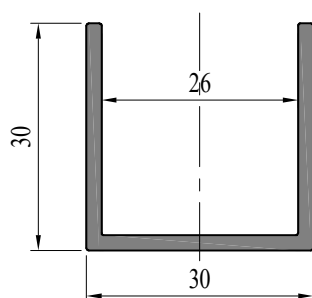
TW1002518

panel (deska)

$m = 0.943 \text{ kg/m}$

$p = 327.2 \text{ mm}$

$l = 6500 \text{ mm}$



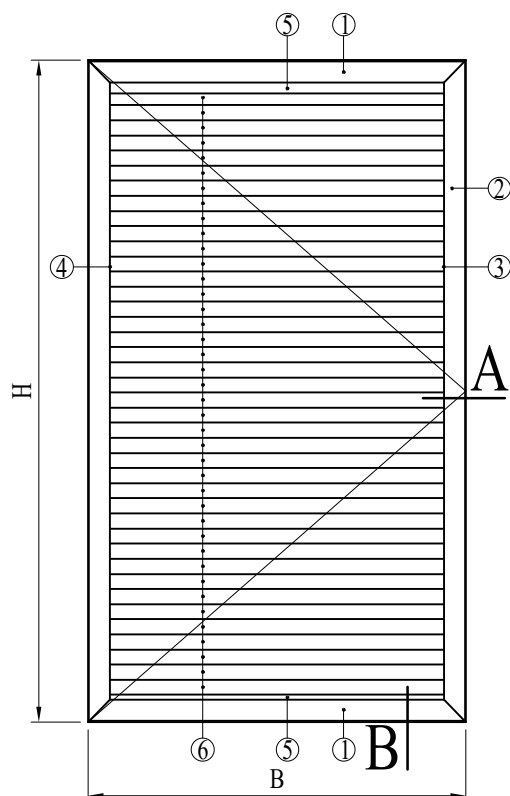
TK0303020

ceownik

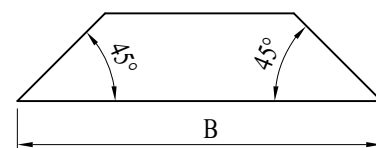
$m = 0,464 \text{ kg/m}$

$p = 175.0 \text{ mm}$

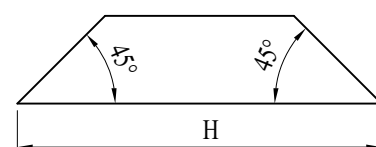
$l = 6000 \text{ mm}$



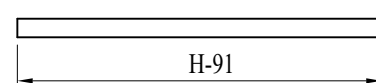
① TS01
2 szt.



② TS01
2 szt.



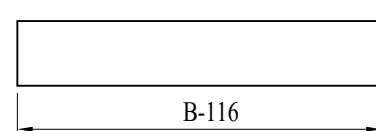
③ TS03L
1 szt.



④ TS03R
1 szt.



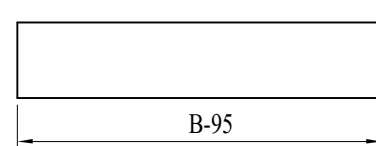
⑤ TS04
2 szt.



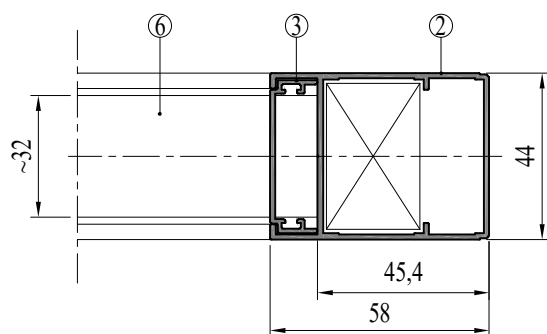
⑥ TS07



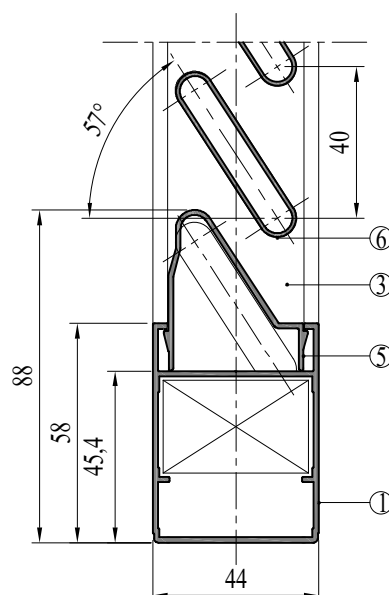
(H-176)div40+1 szt.



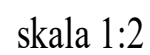
A-A

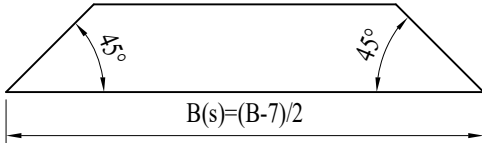
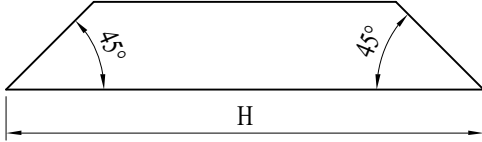
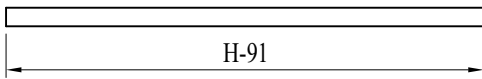
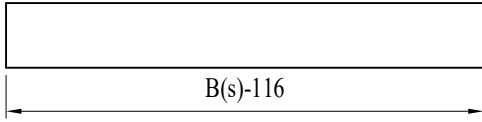
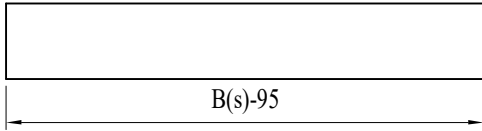
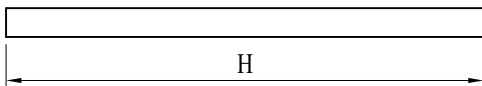


B-B

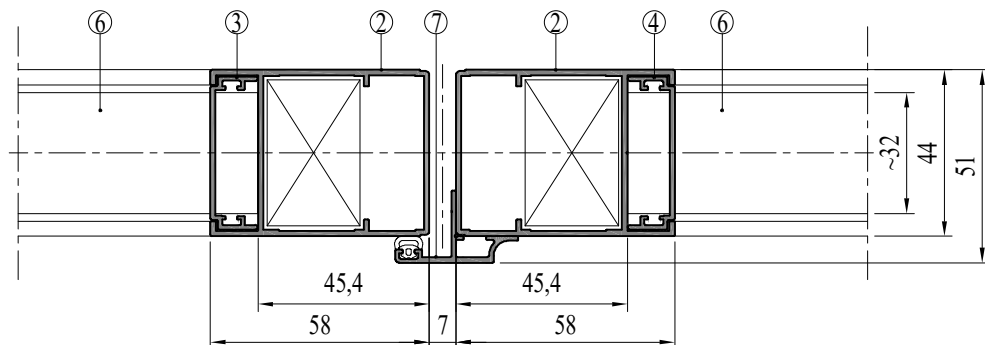


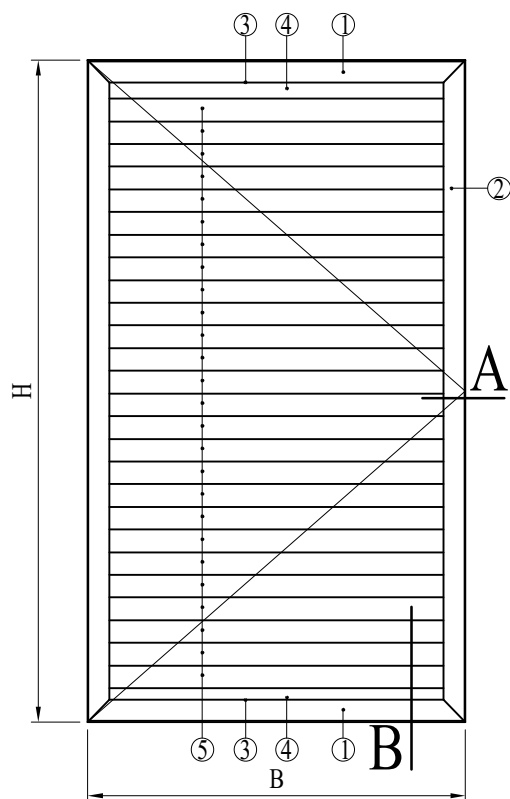
skala 1:2



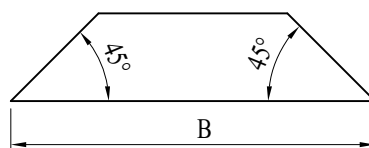
- | | | | |
|---|--|---|--|
| ① | TS01
4 szt. |  |  |
| ② | TS01
4 szt. |  |  |
| ③ | TS03L
2 szt. |  |  |
| ④ | TS03R
2 szt. | | |
| ⑤ | TS04
4 szt. |  |  |
| ⑥ | TS07
$((H-176)\text{div}40+1)*2$ szt. |  |  |
| ⑦ | TS05
1 szt. |  |  |

C-C

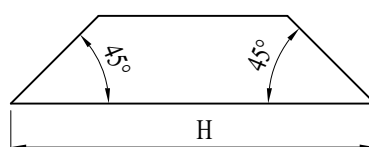




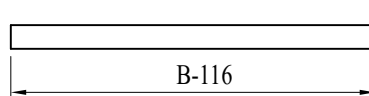
① TS01
2 szt.



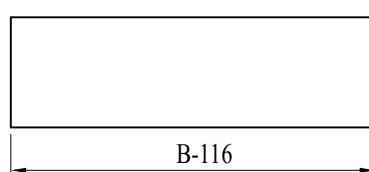
② TS01
2 szt.



③ TS06
2 szt.

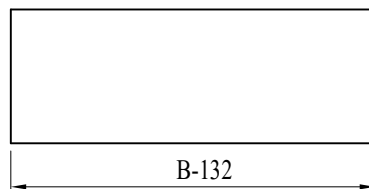


④ TS12
2 szt.

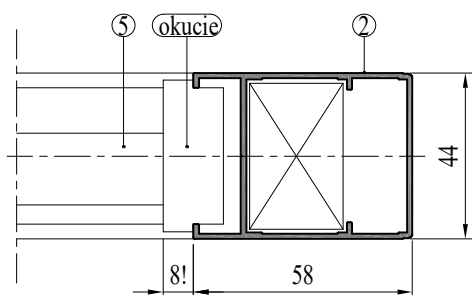


⑤ TS08

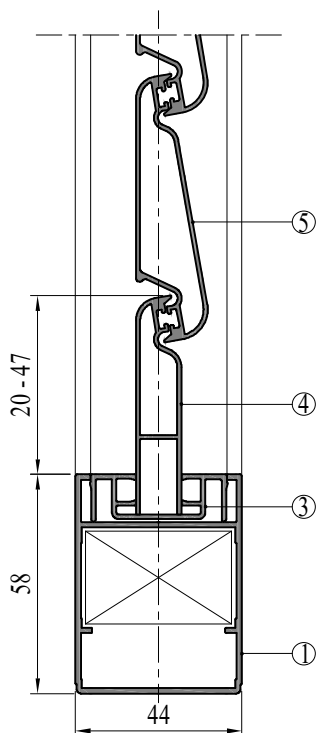
(H-116)div60-1 szt.



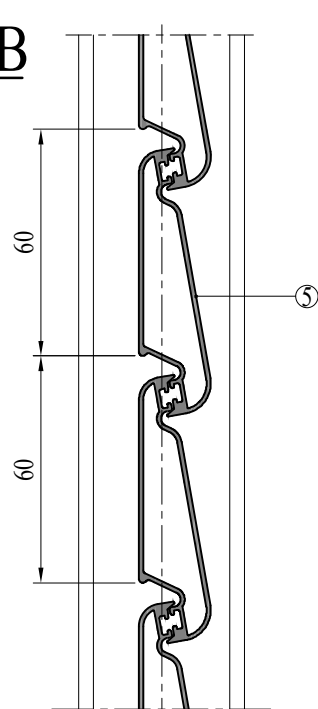
A-A



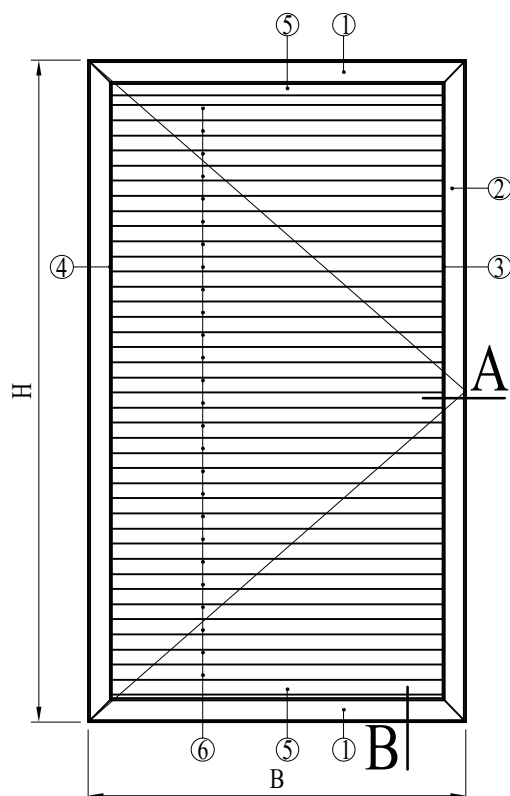
B-B



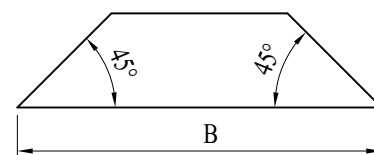
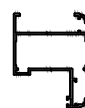
B-B



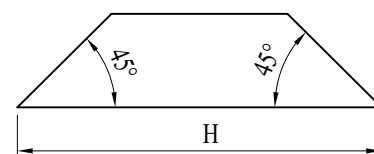
skala 1:2



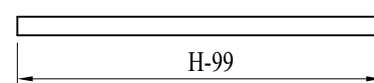
① TS10
2 szt.



② TS10
2 szt.



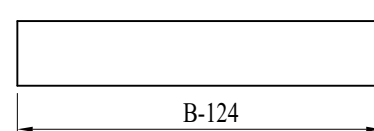
③ TS03L
1 szt.



④ TS03R
1 szt.



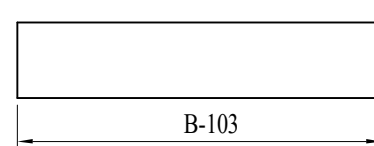
⑤ TS04
2 szt.



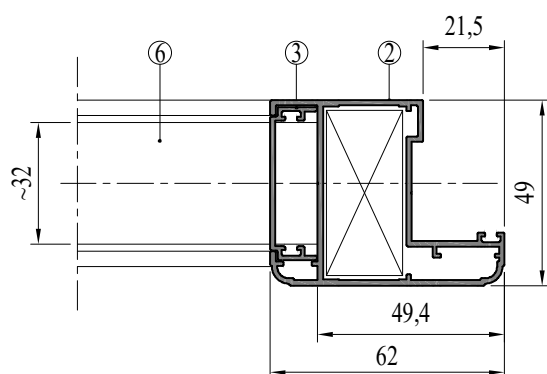
⑥ TS07



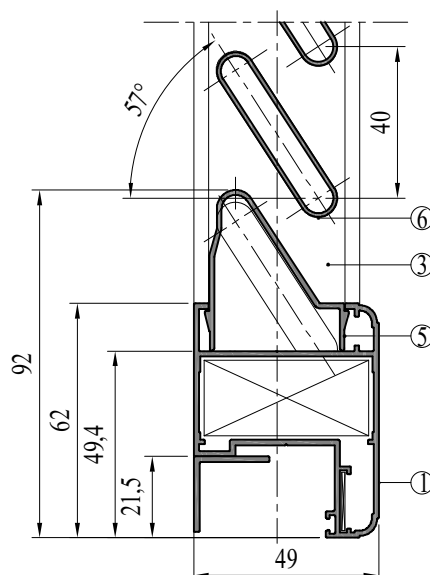
(H-184)div40+1 szt.



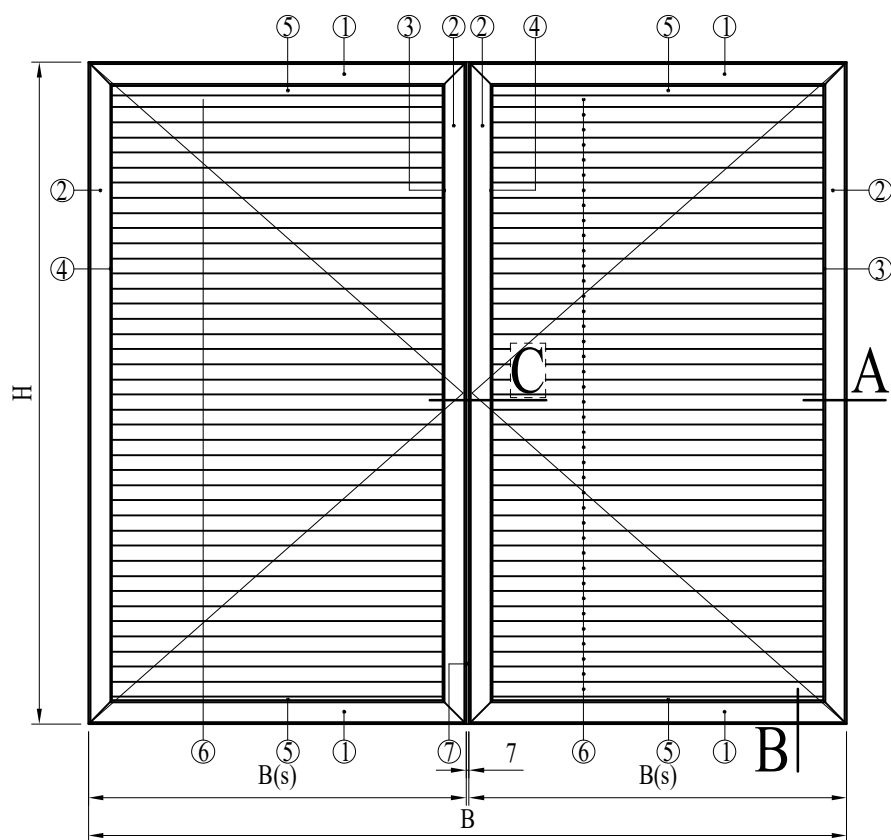
A-A



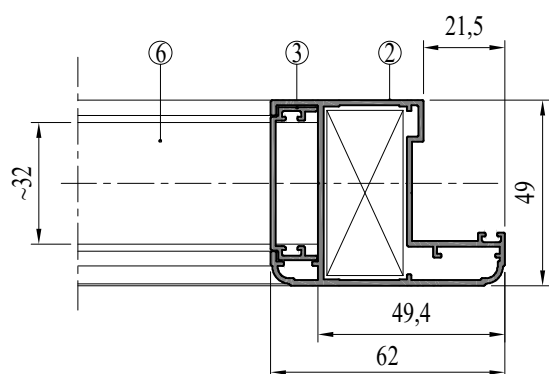
B-B



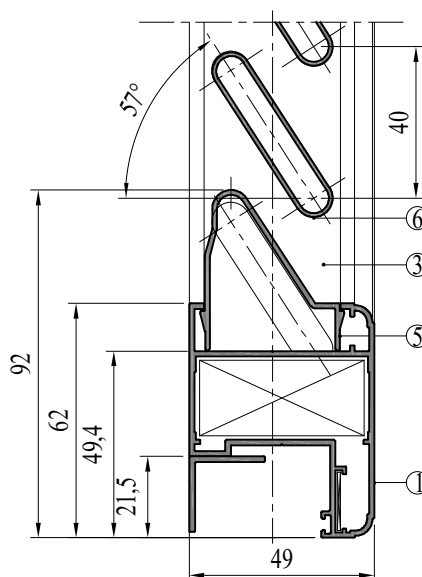
skala 1:2



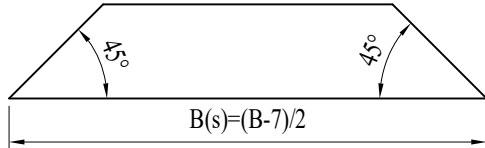
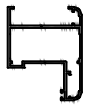
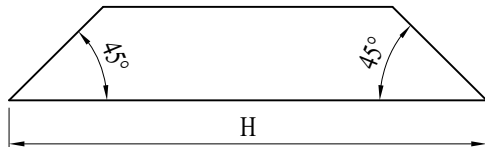
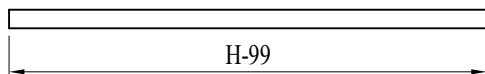
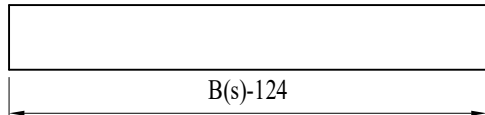
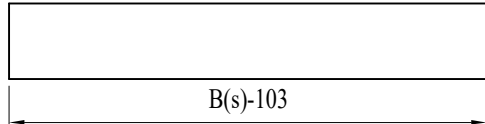
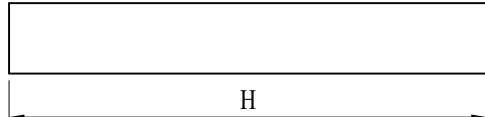
A-A



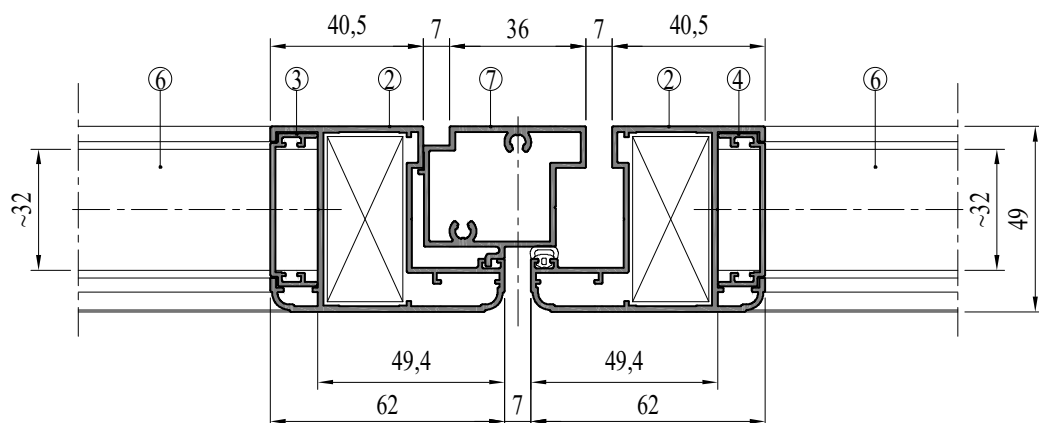
B-B

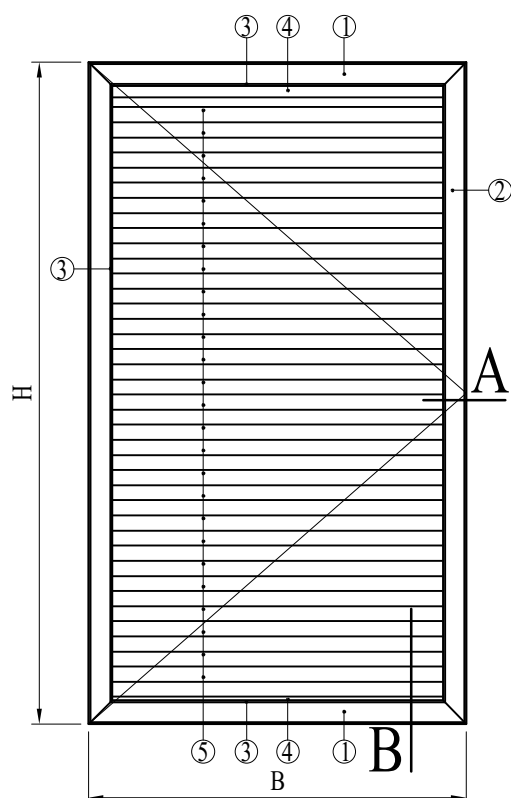


skala 1:2

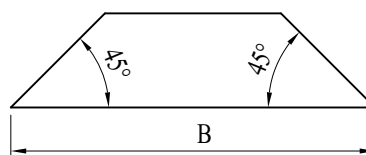
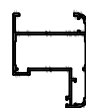
- | | | | |
|---|-----------------------------|---|--|
| ① | TS10
4 szt. |  |  |
| ② | TS10
4 szt. |  |  |
| ③ | TS03L
2 szt. |  |  |
| ④ | TS03R
2 szt. |  |  |
| ⑤ | TS04
2 szt. |  |  |
| ⑥ | TS07
(H-184)div40+1 szt. |  |  |
| ⑦ | TS11
1 szt. |  |  |

C-C

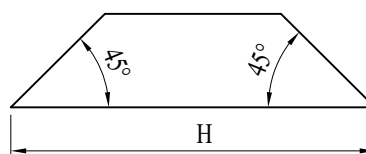




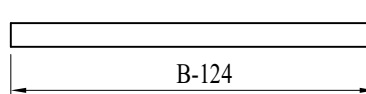
① TS10
2 szt.



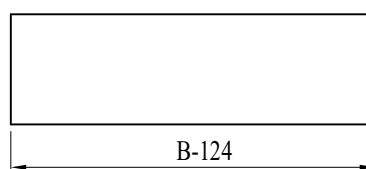
② TS10
2 szt.



③ TS06
2 szt.

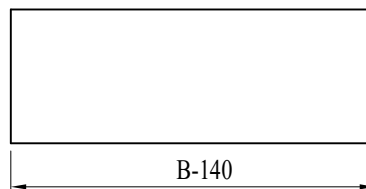


④ TS12
2 szt.

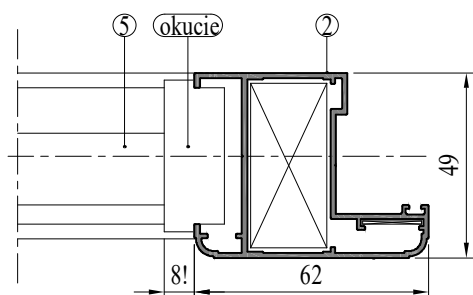


⑤ TS08

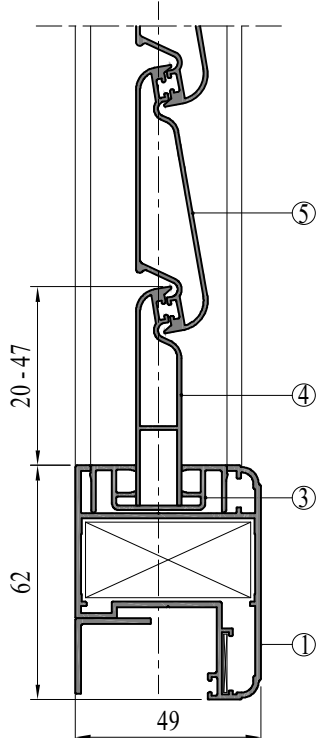
(H-124)div60-1 szt.



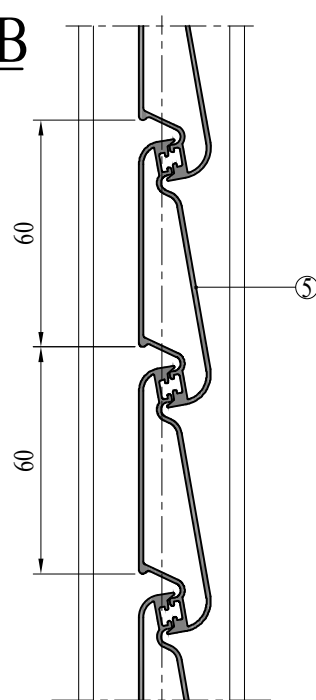
A-A



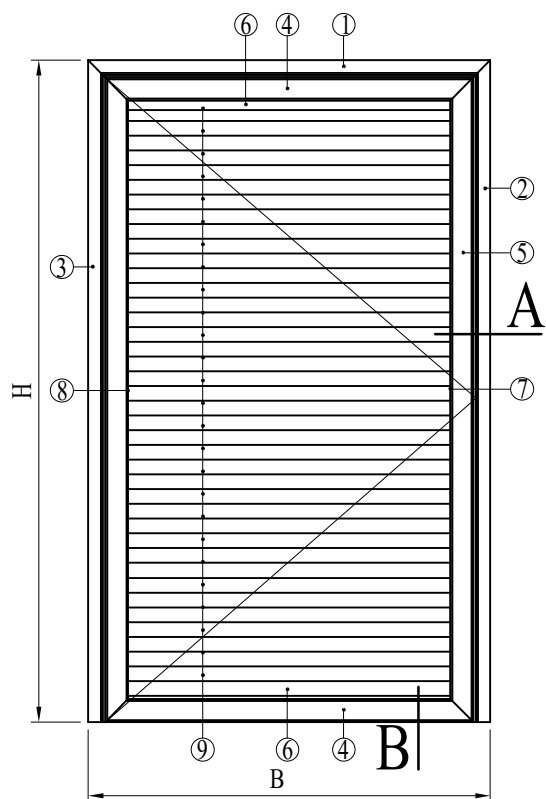
B-B



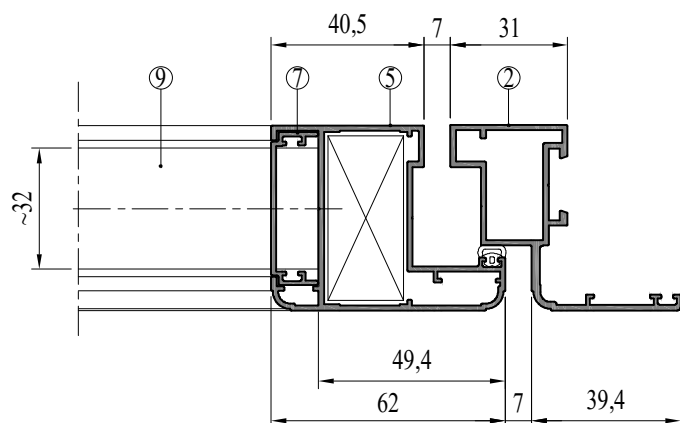
B-B



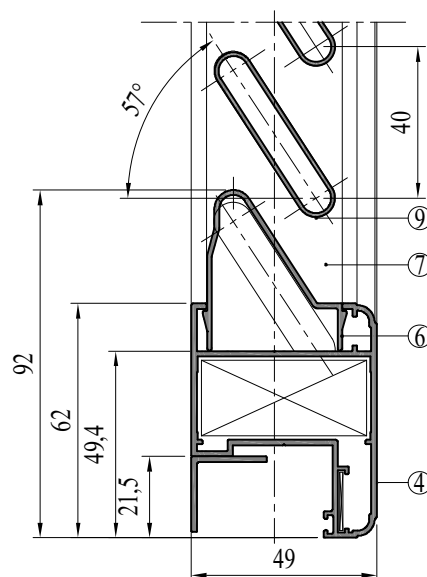
skala 1:2

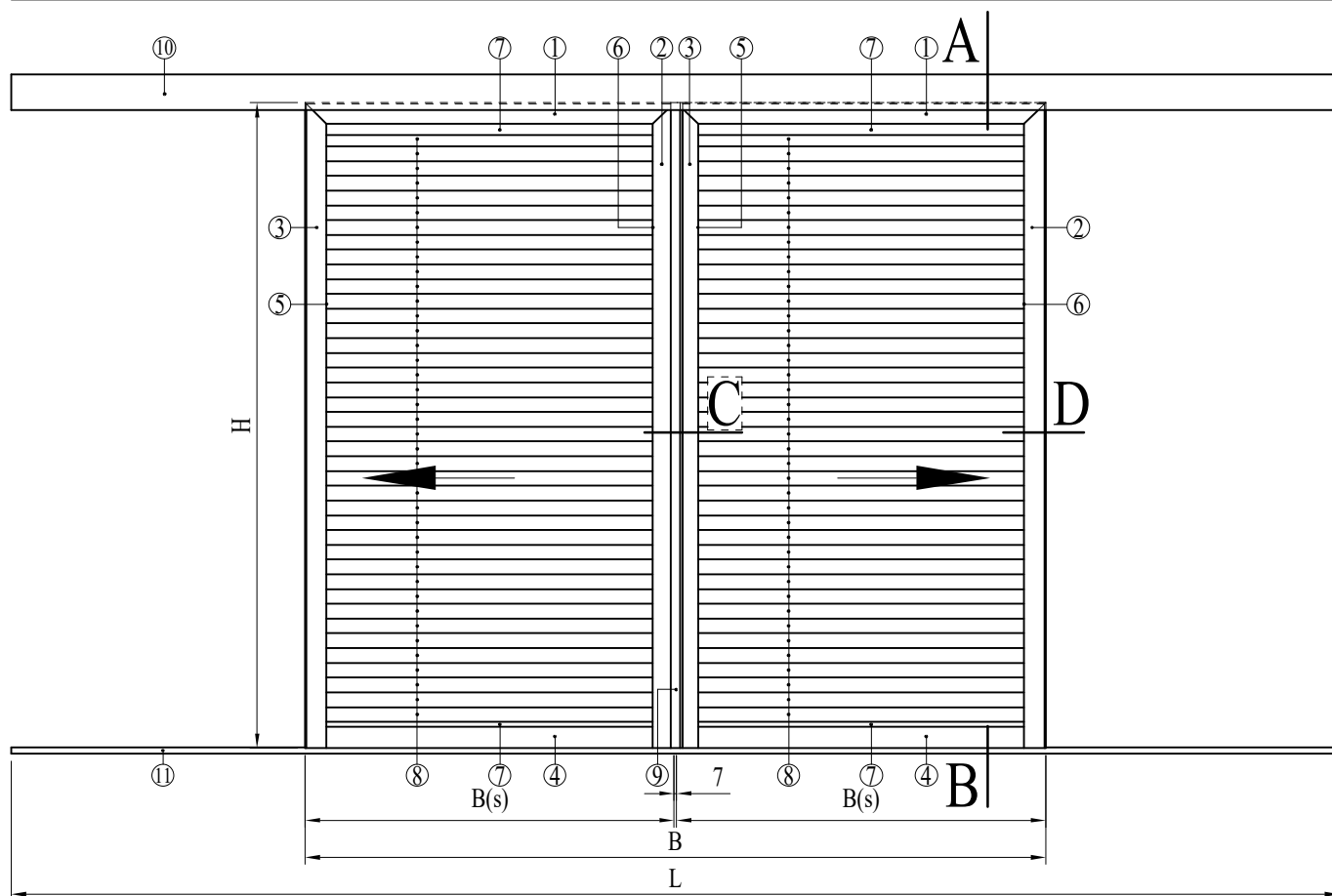


A-A

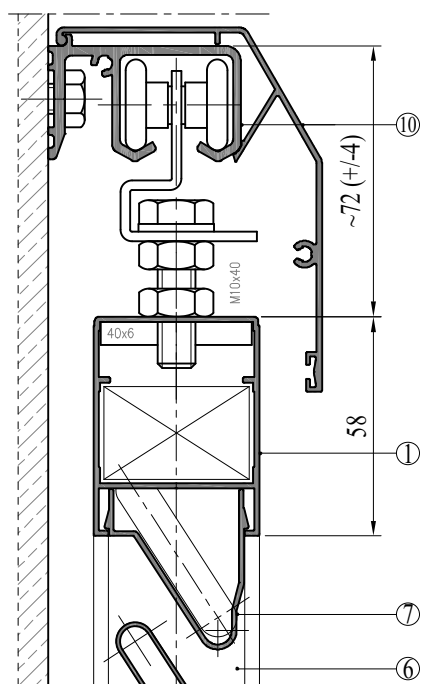


B-B

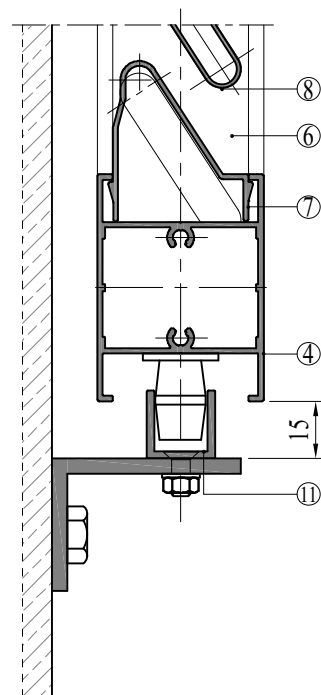




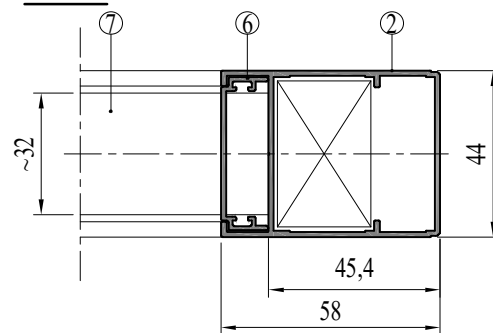
A-A



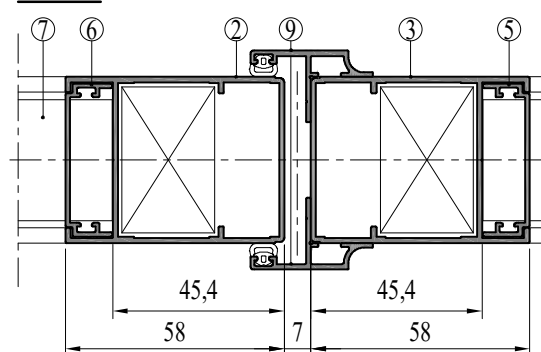
B-B



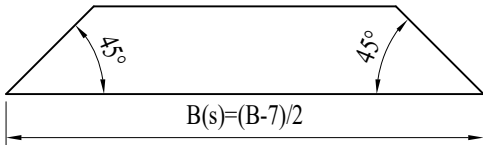
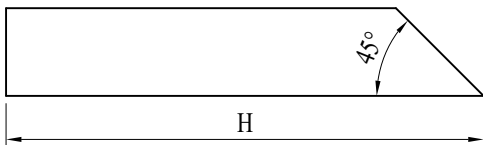
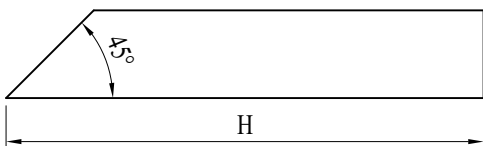
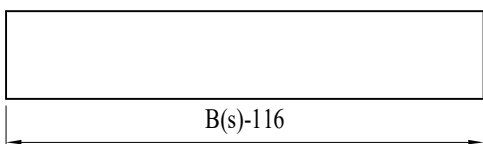
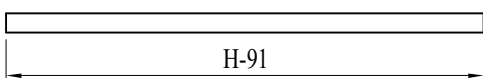
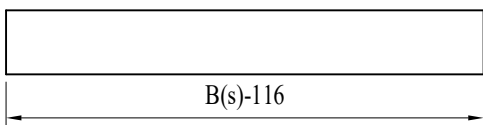
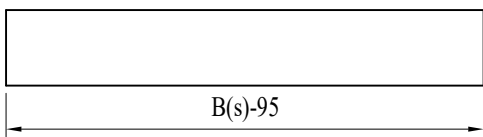
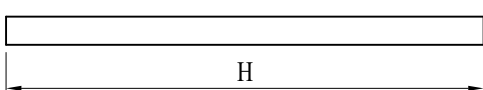
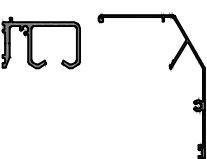
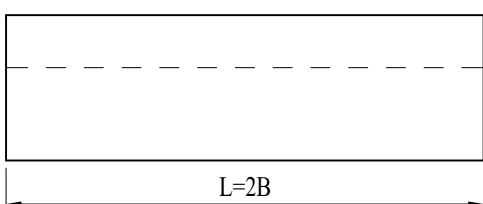
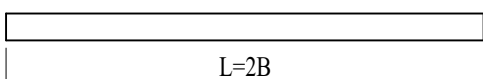
D-D

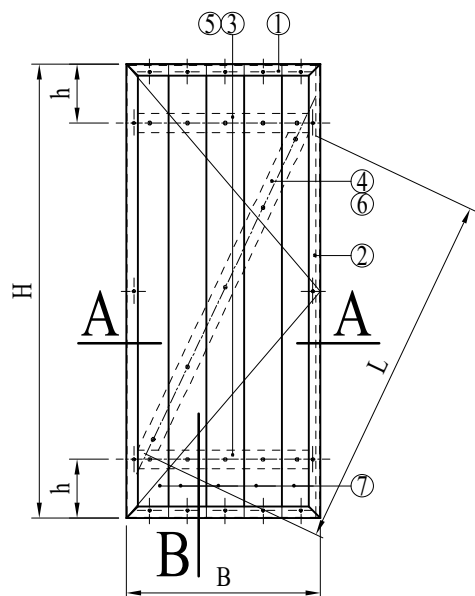


C-C

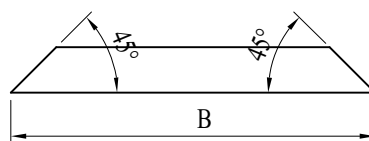


skala 1:2

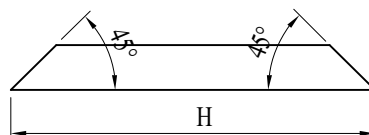
① TS01 4 szt.		
② TS01 2 szt.		
③ TS01 2 szt.		
④ TS02 2 szt.		
⑤ TS03L 2 szt.		
⑥ TS03R 2 szt.		
⑦ TS04 4 szt.		
⑧ TS07 $((H-176)\text{div}40+1)*2$ szt.		
⑨ TS05 2 szt.		
⑩ TS31 + TS32 1 szt. + 1 szt.		
⑪ TS33 1 szt.		



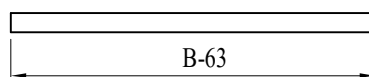
① TK0303020
2 szt.



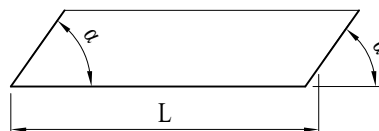
② TK0303020
2 szt.



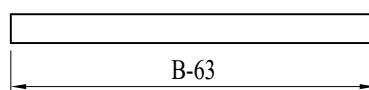
③ TS45
2 szt.



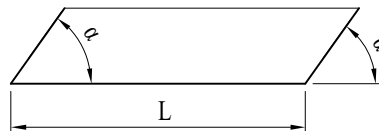
④ TS45
1 szt.
strona S-2



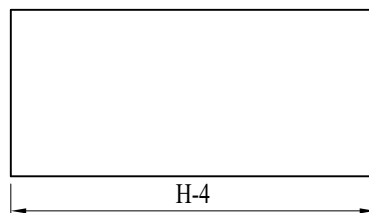
⑤ TS46
2 szt.



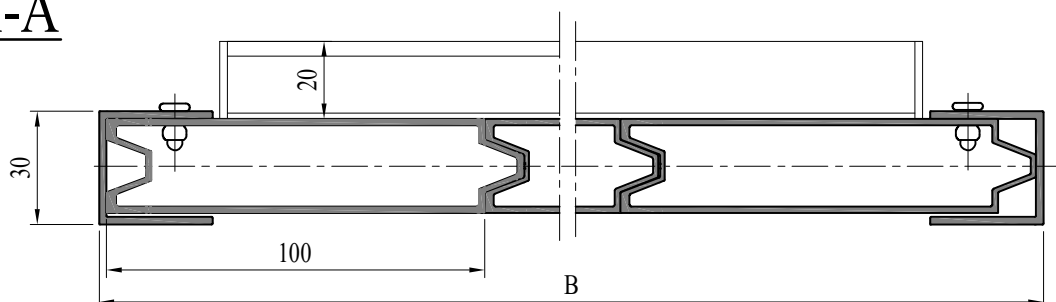
⑥ TS47
1 szt.
strona S-2



⑦ TW1002518
B/100

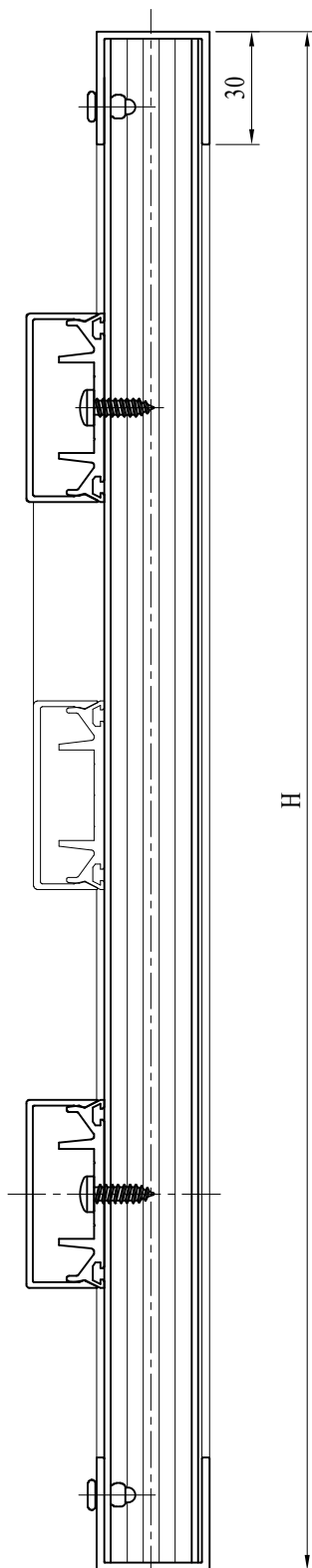


A-A

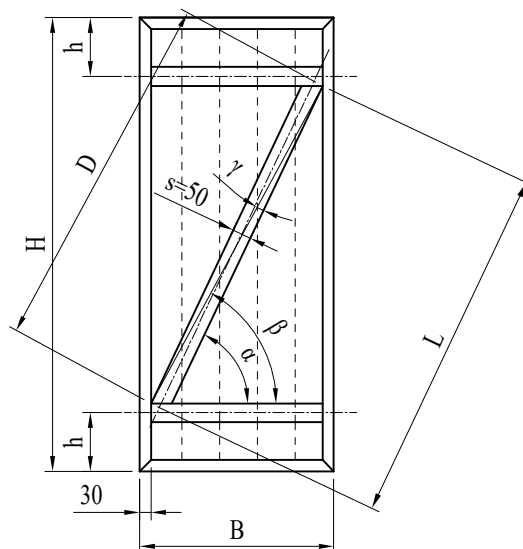


skala 1:2

B-B



obliczenie długości
zastrzału



$$\beta = \text{atg} ((H-2h-50) / (B-60))$$

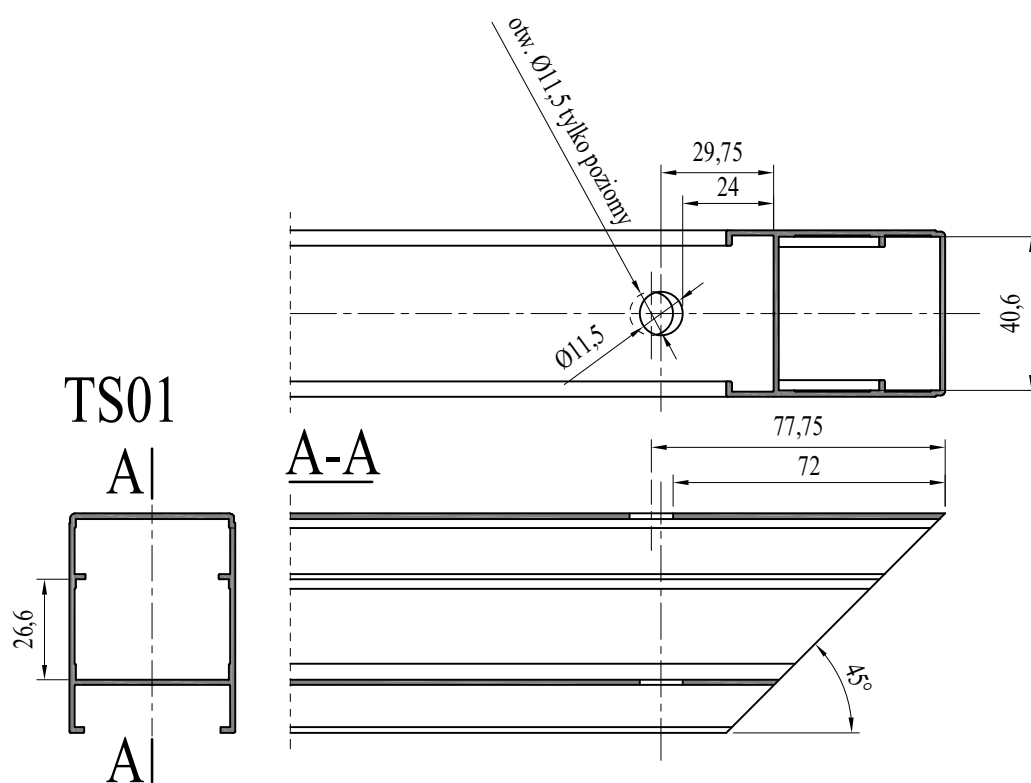
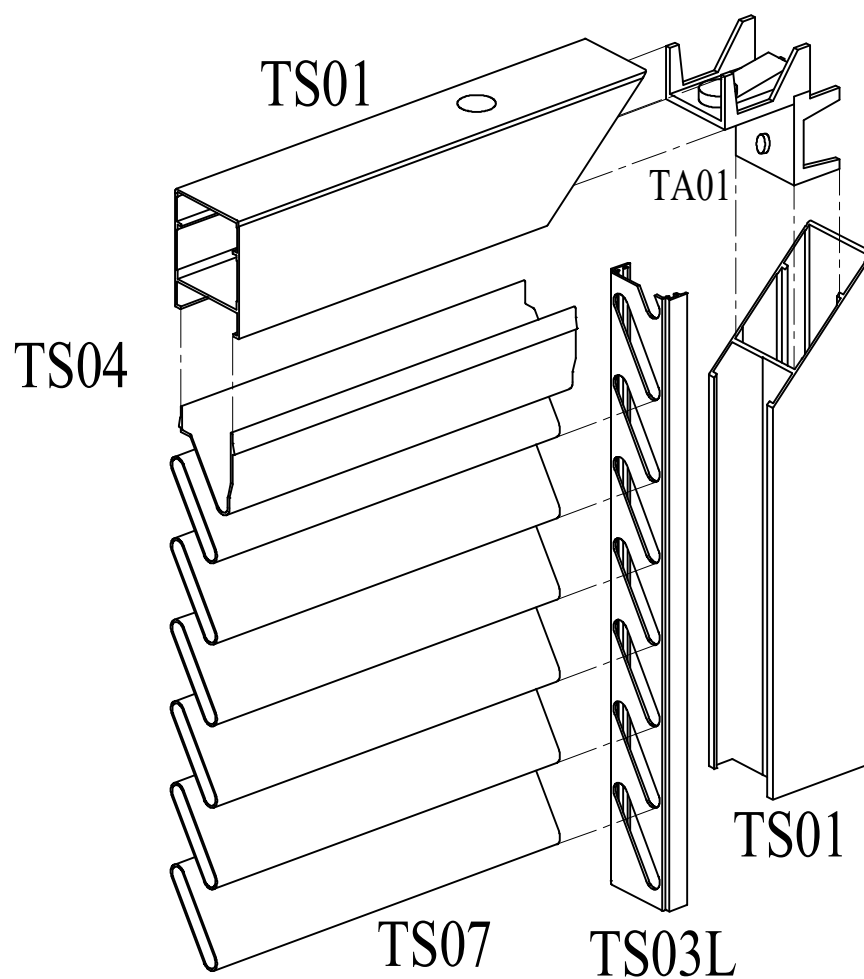
$$D = (H-2h-50) / \sin \beta$$

$$\gamma = \text{asin} (s / D)$$

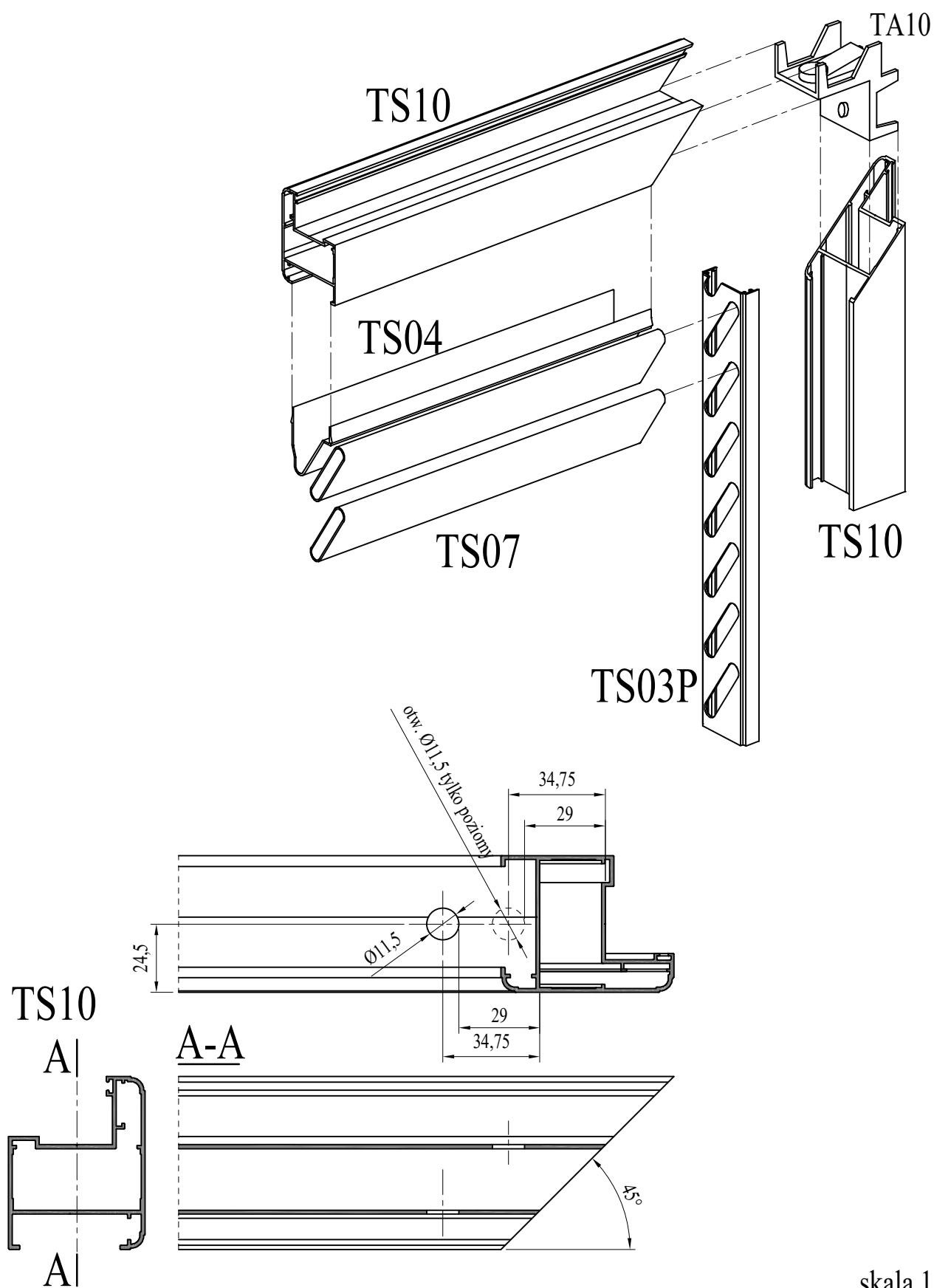
$$\alpha = \beta + \gamma$$

$$L = s / \text{tg} \gamma$$

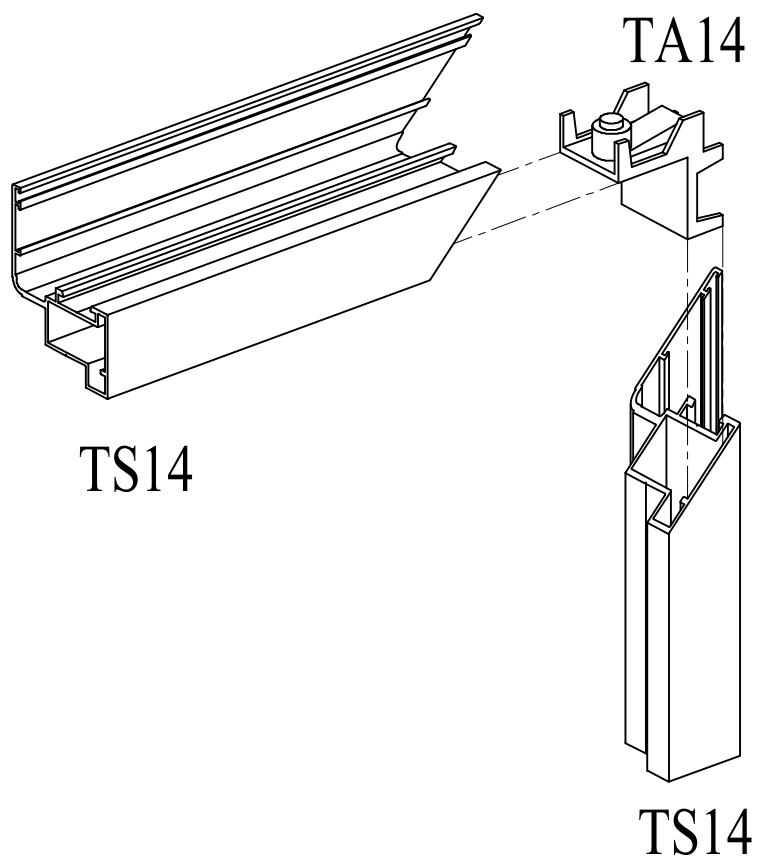
skala 1:2



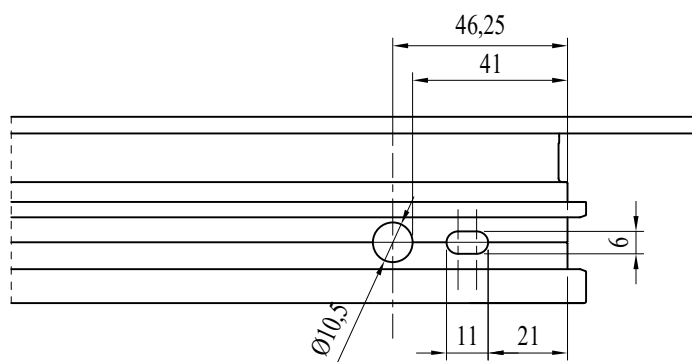
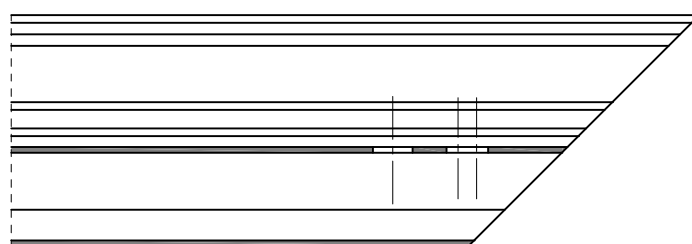
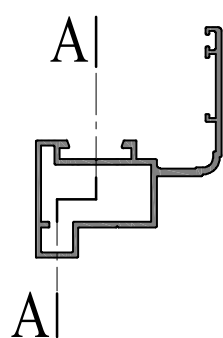
skala 1:2

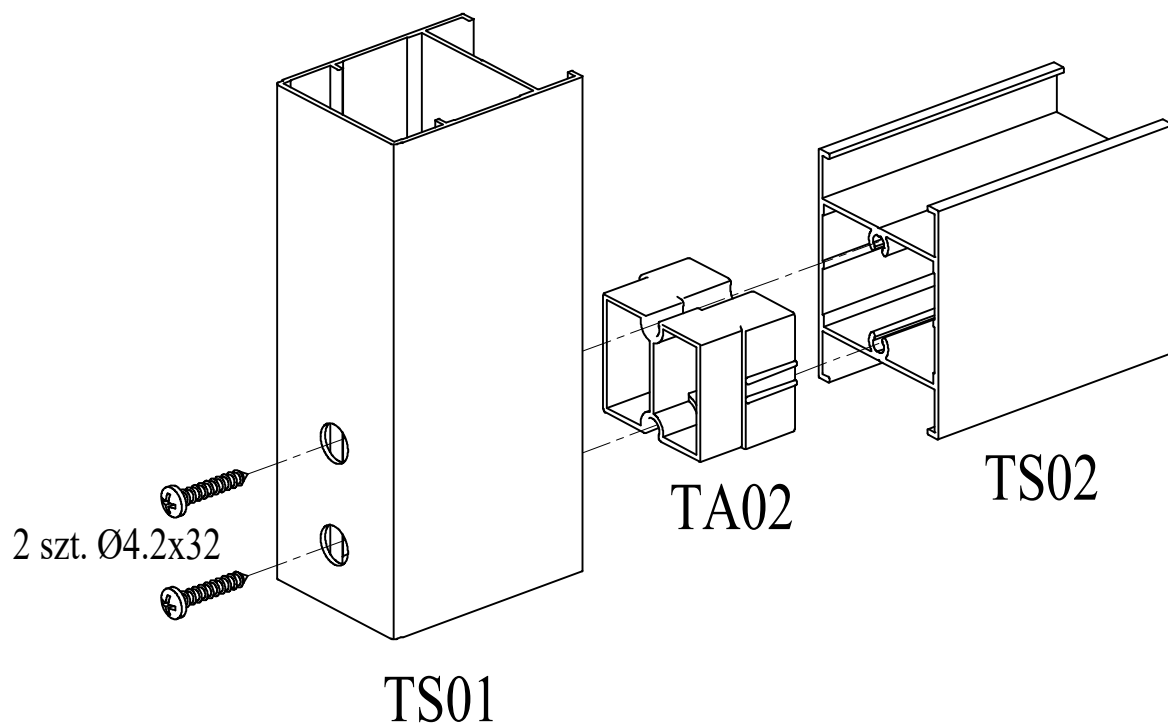


skala 1:2

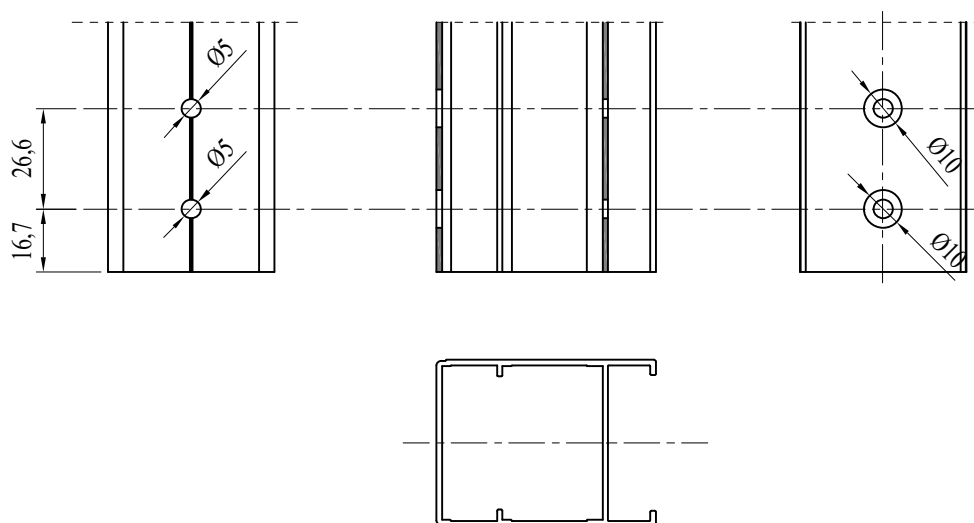


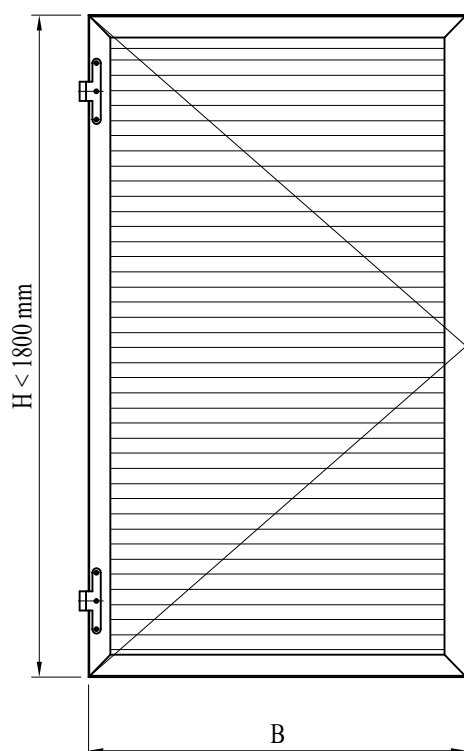
A-A



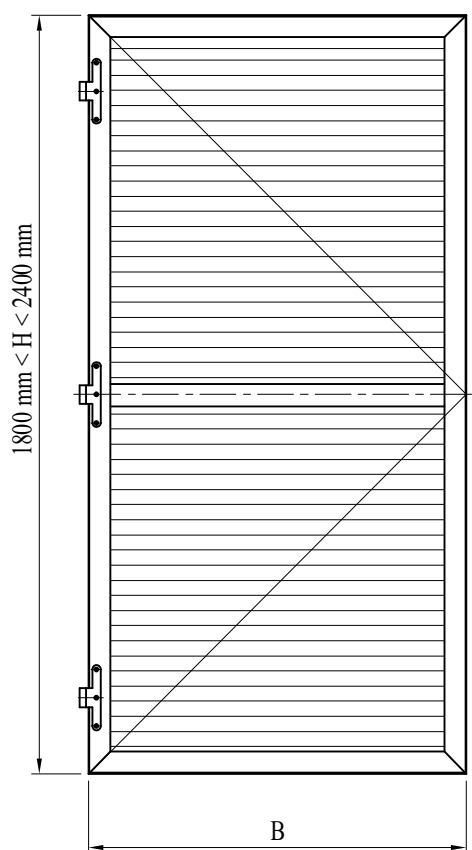


TS01





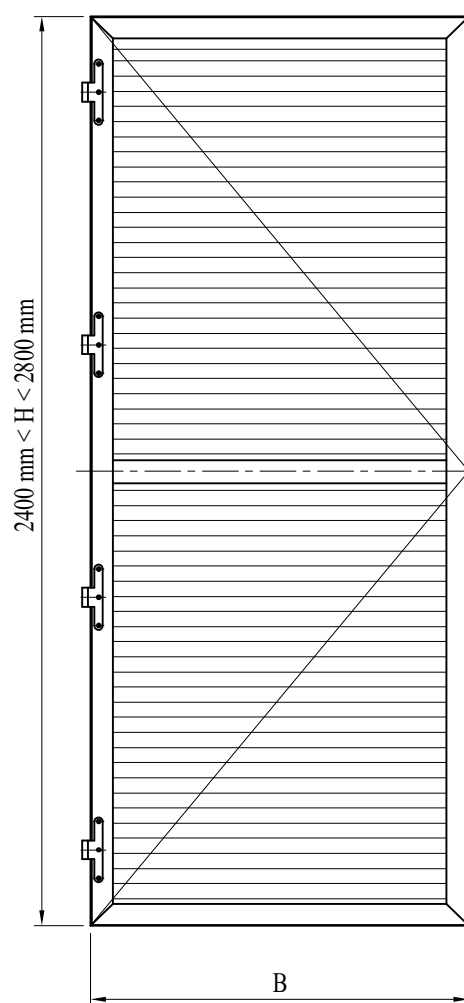
zawiasy: 2 szt.



zawiasy: 3 szt.

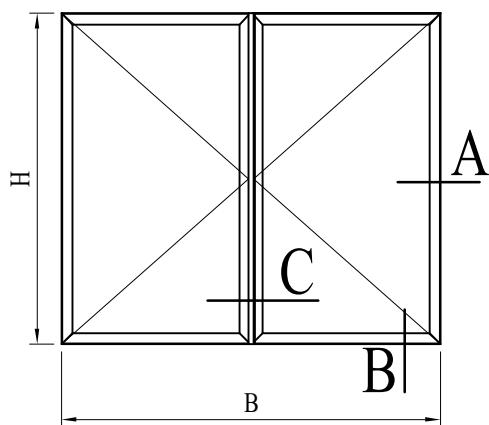
poprzeczka:

TS02

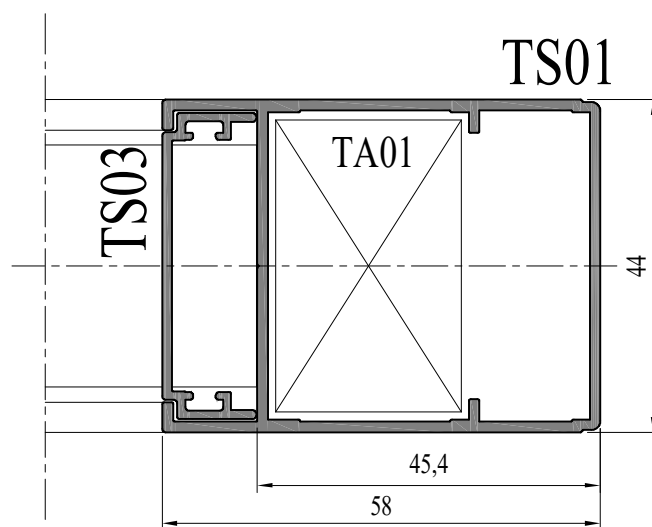


zawiasy: 4 szt.

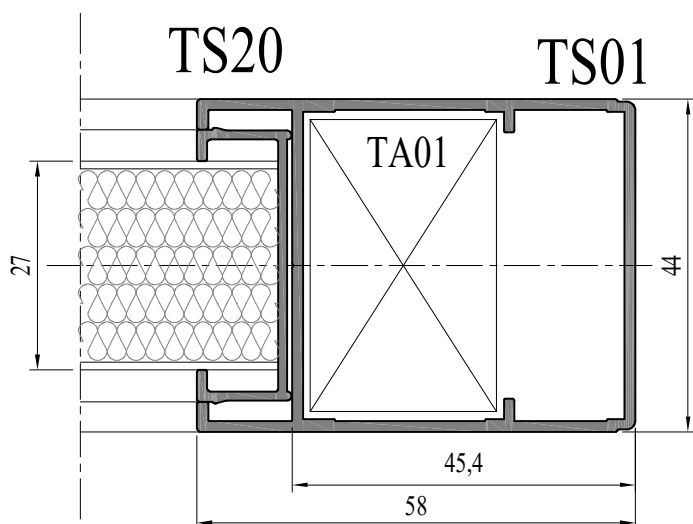
poprzeczka: TS02



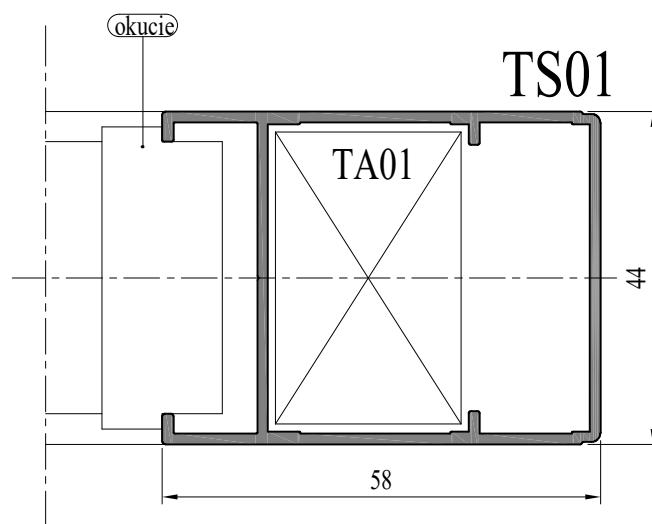
A-A



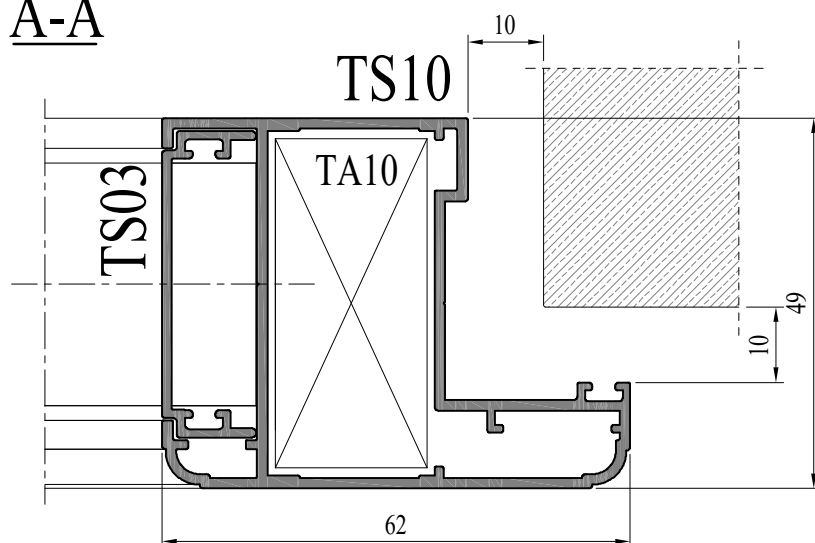
A-A



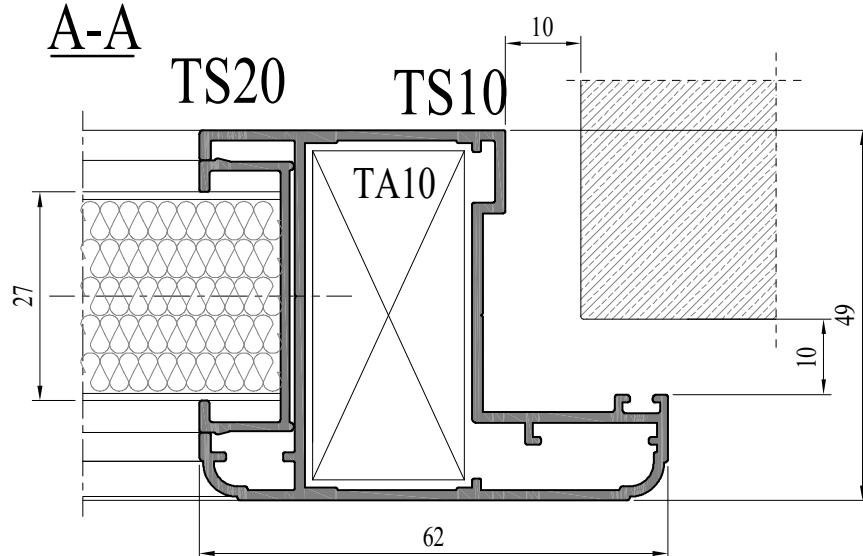
A-A



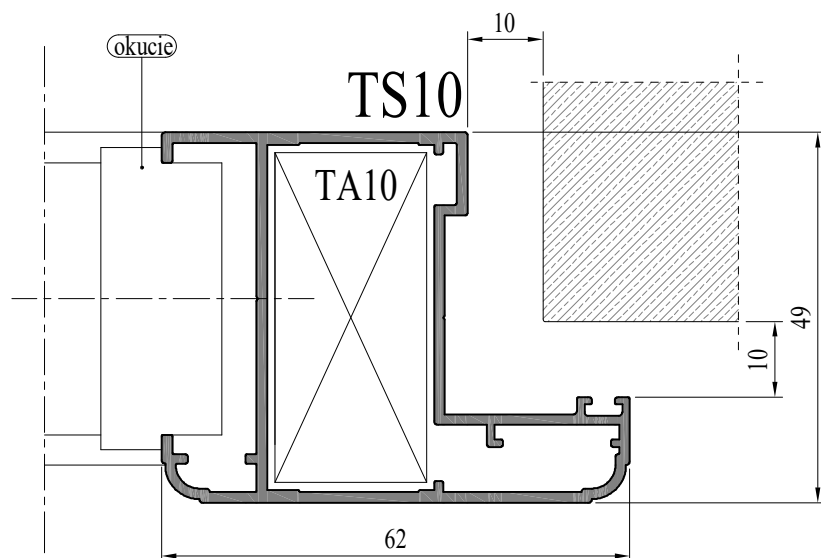
A-A

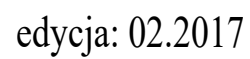
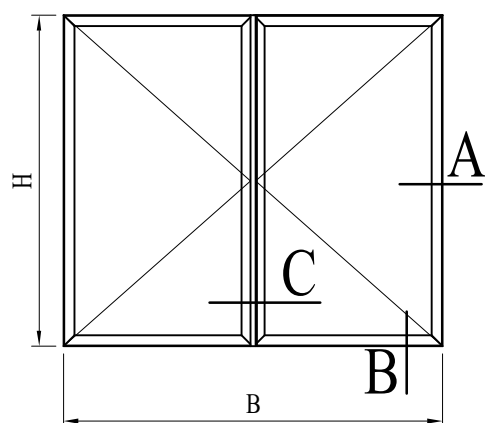


A-A

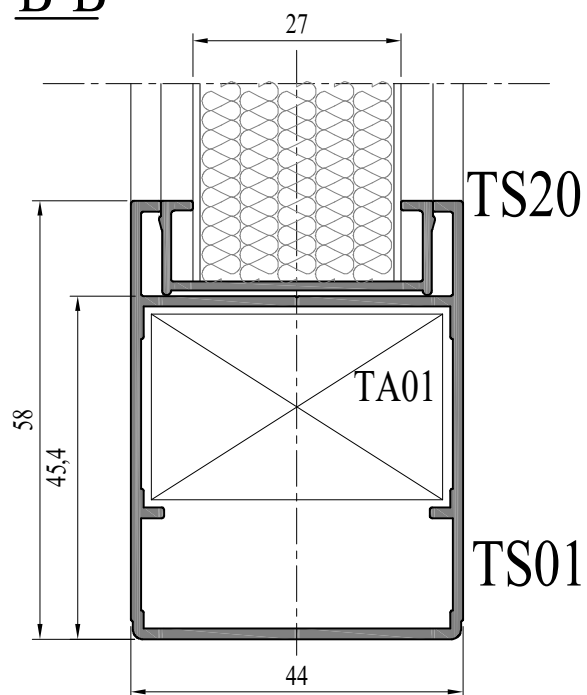


A-A

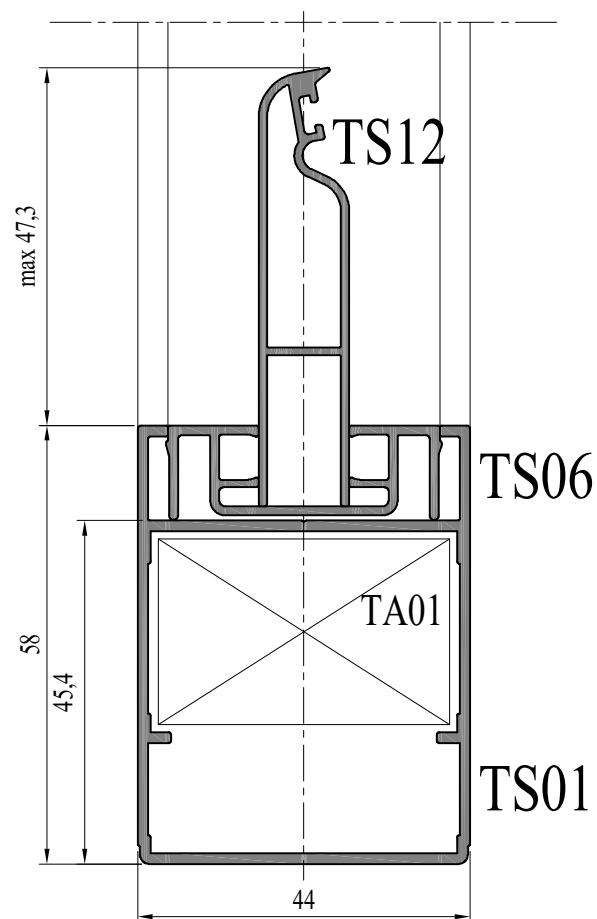




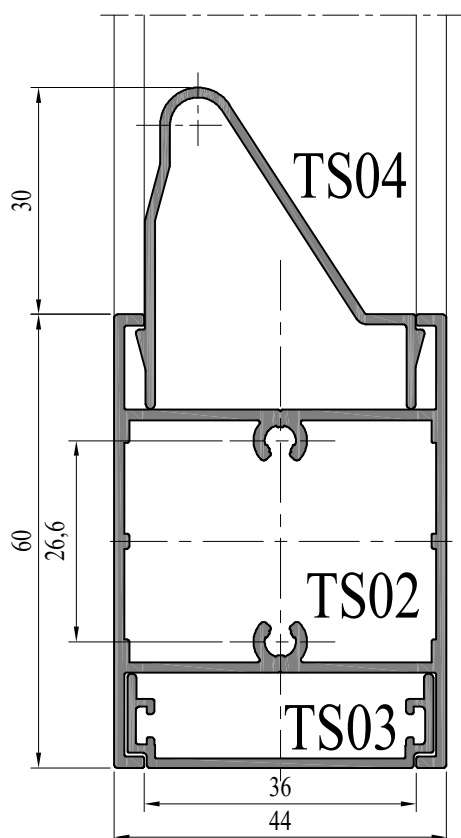
B-B



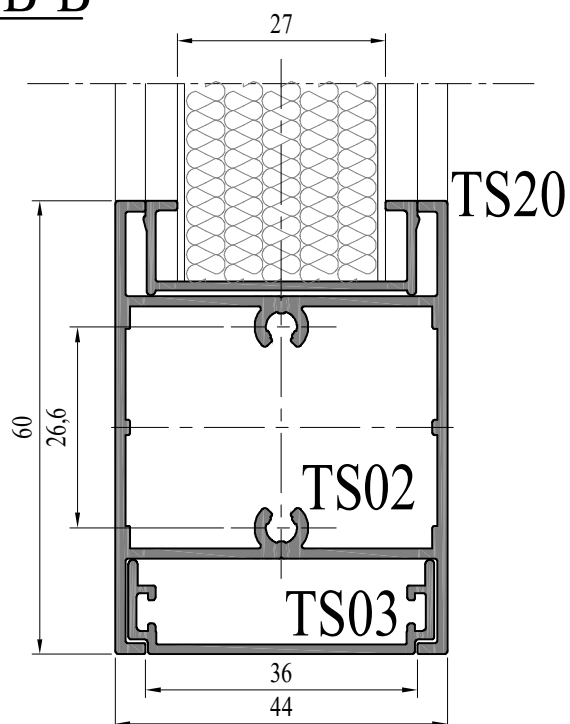
B-B



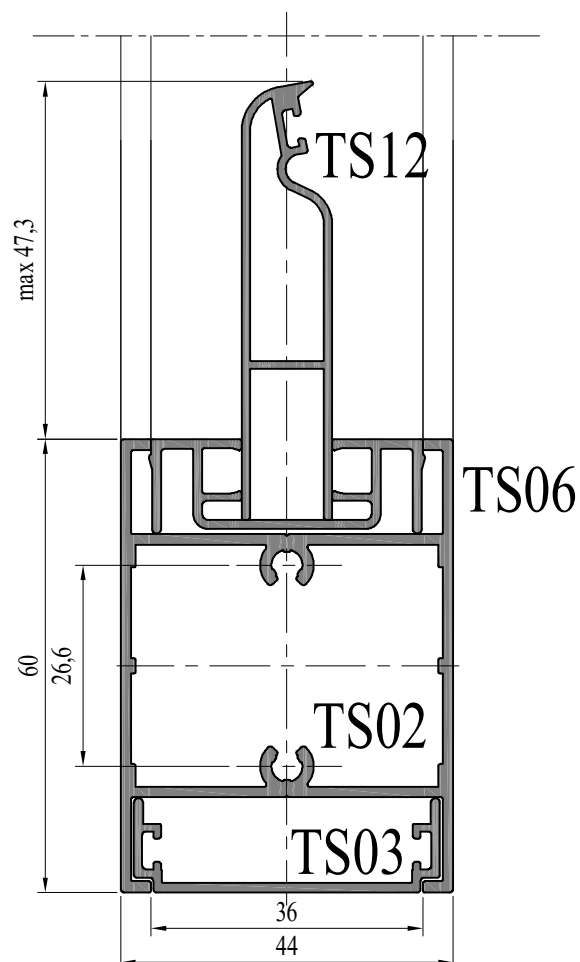
B-B



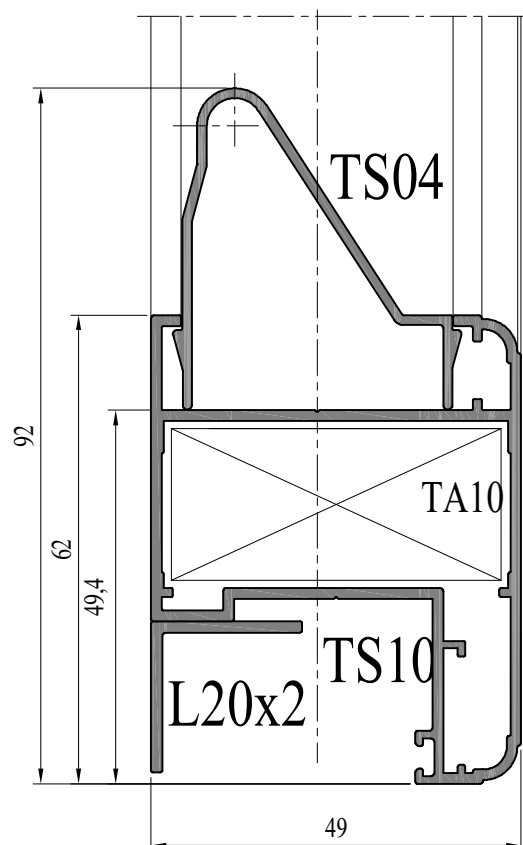
B-B



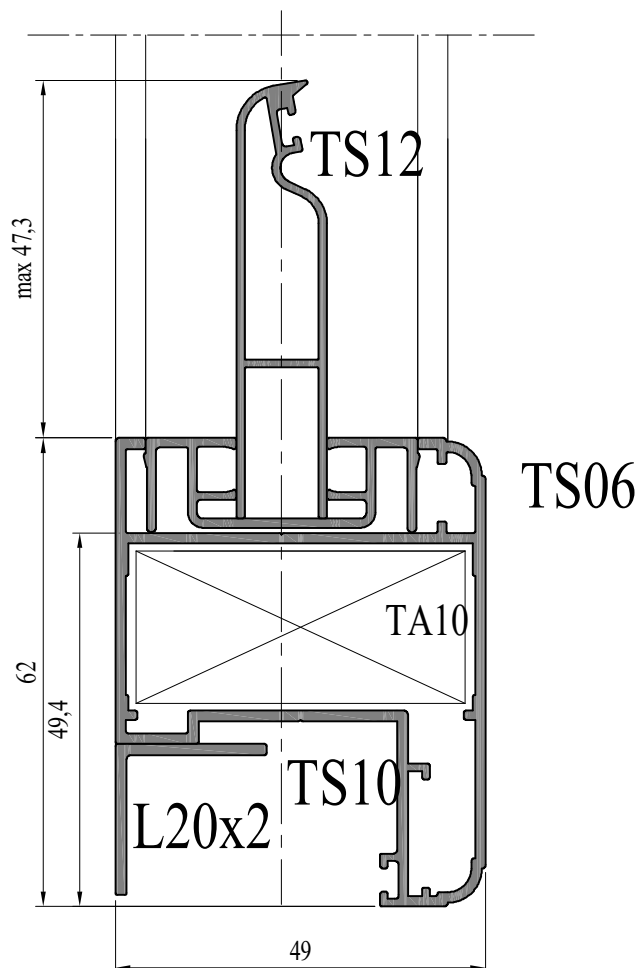
B-B



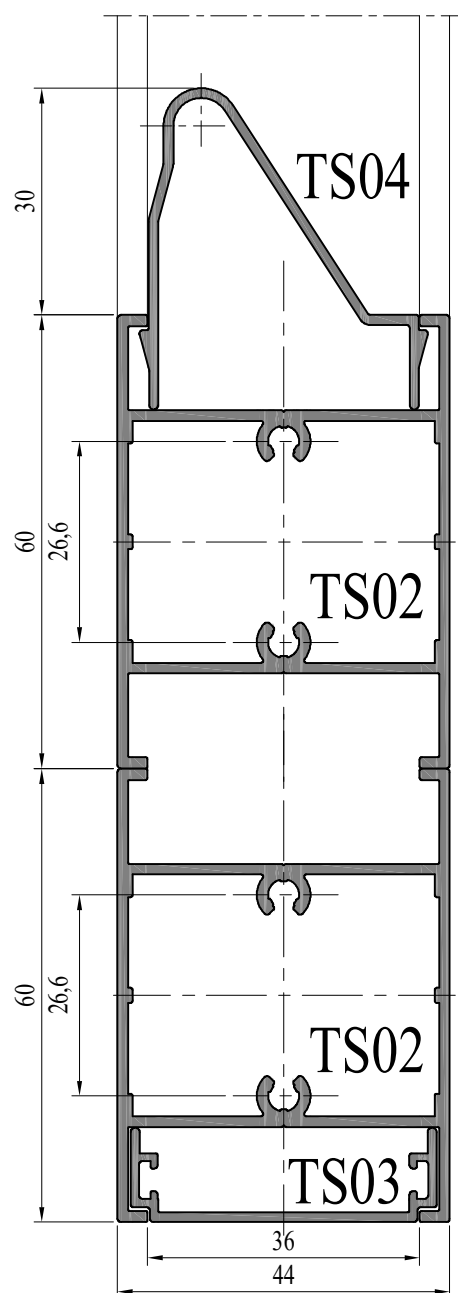
B-B

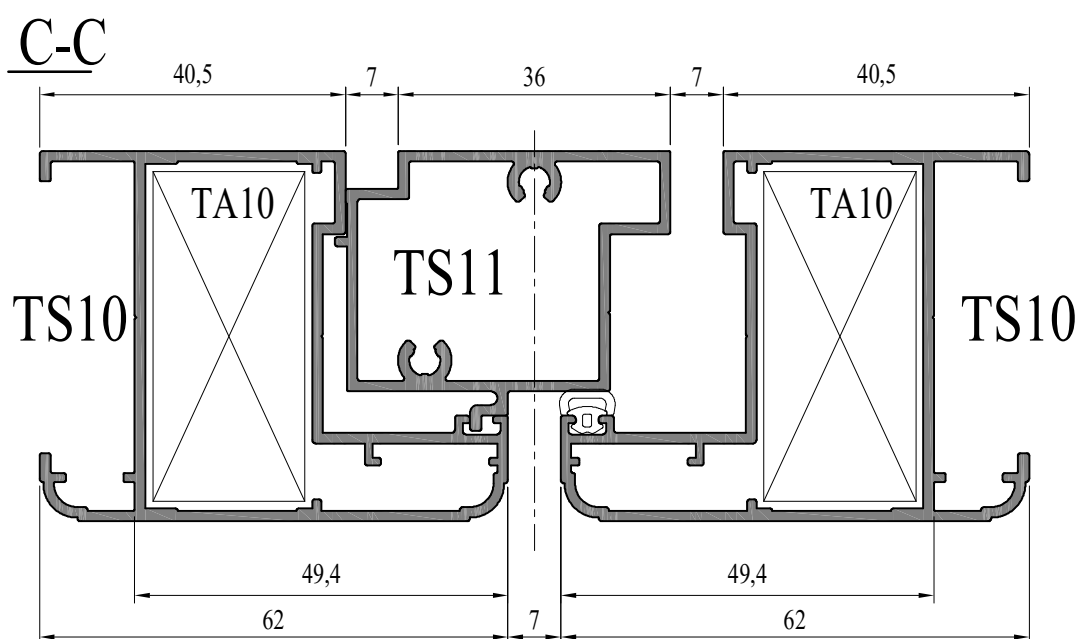
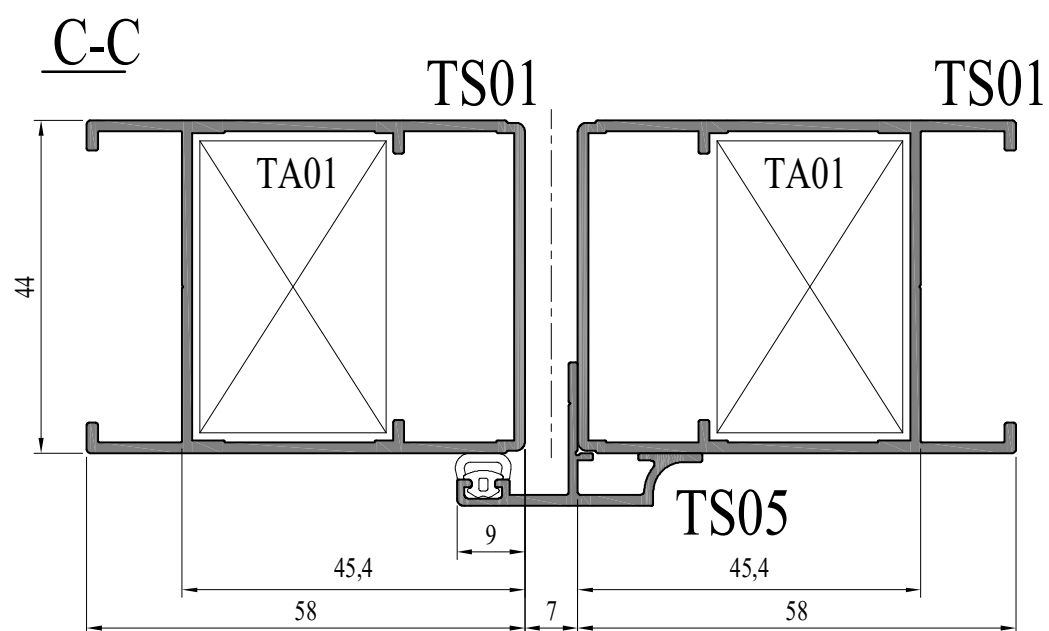
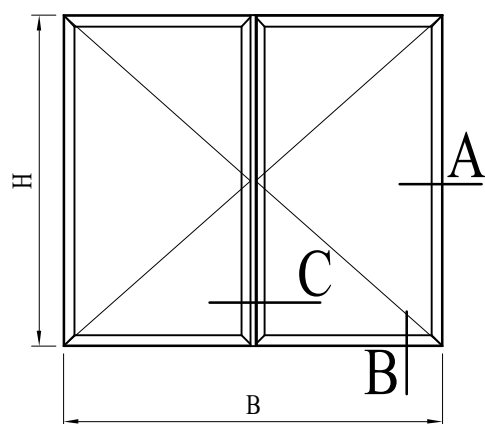


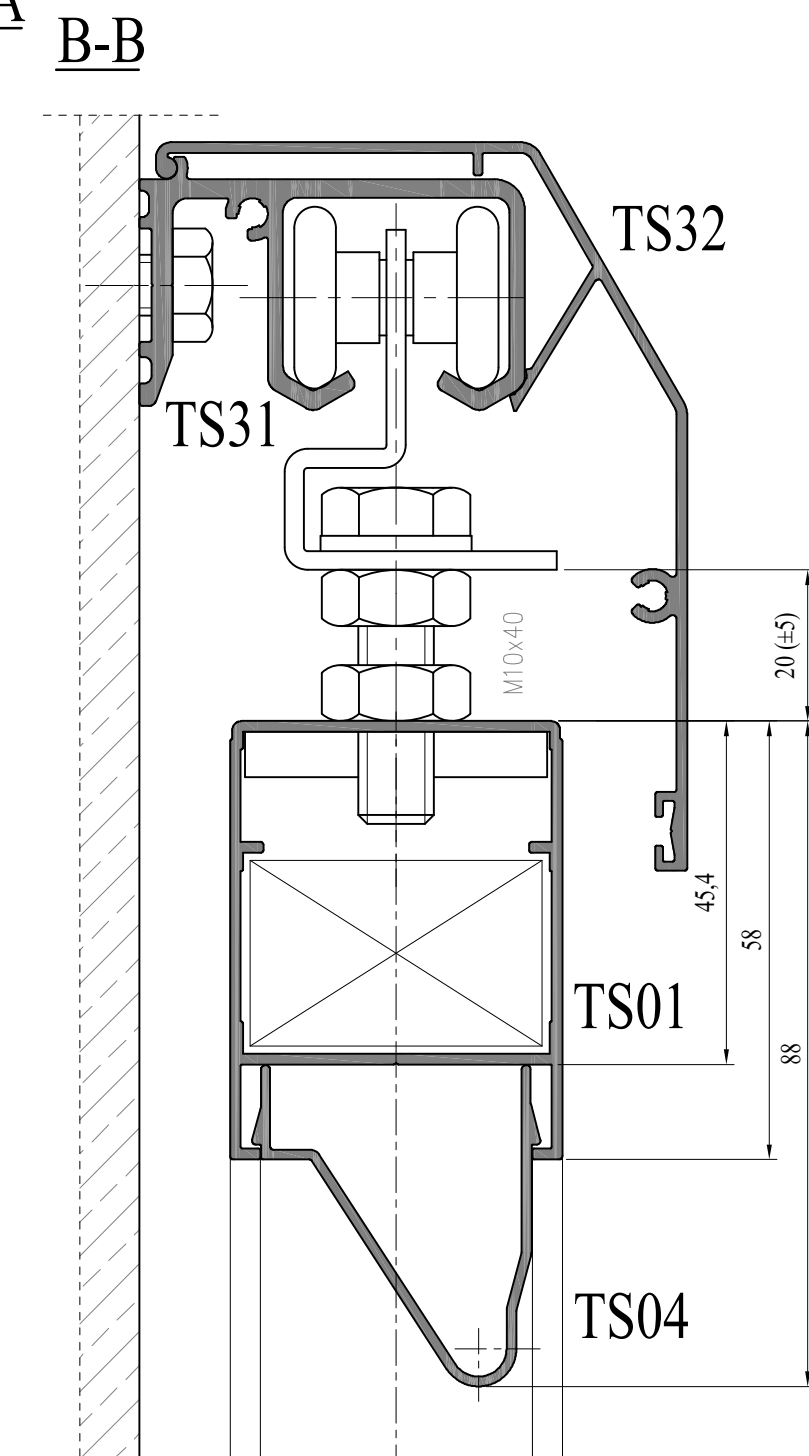
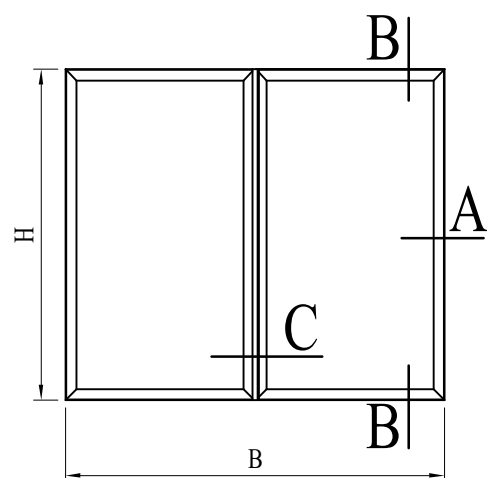
B-B



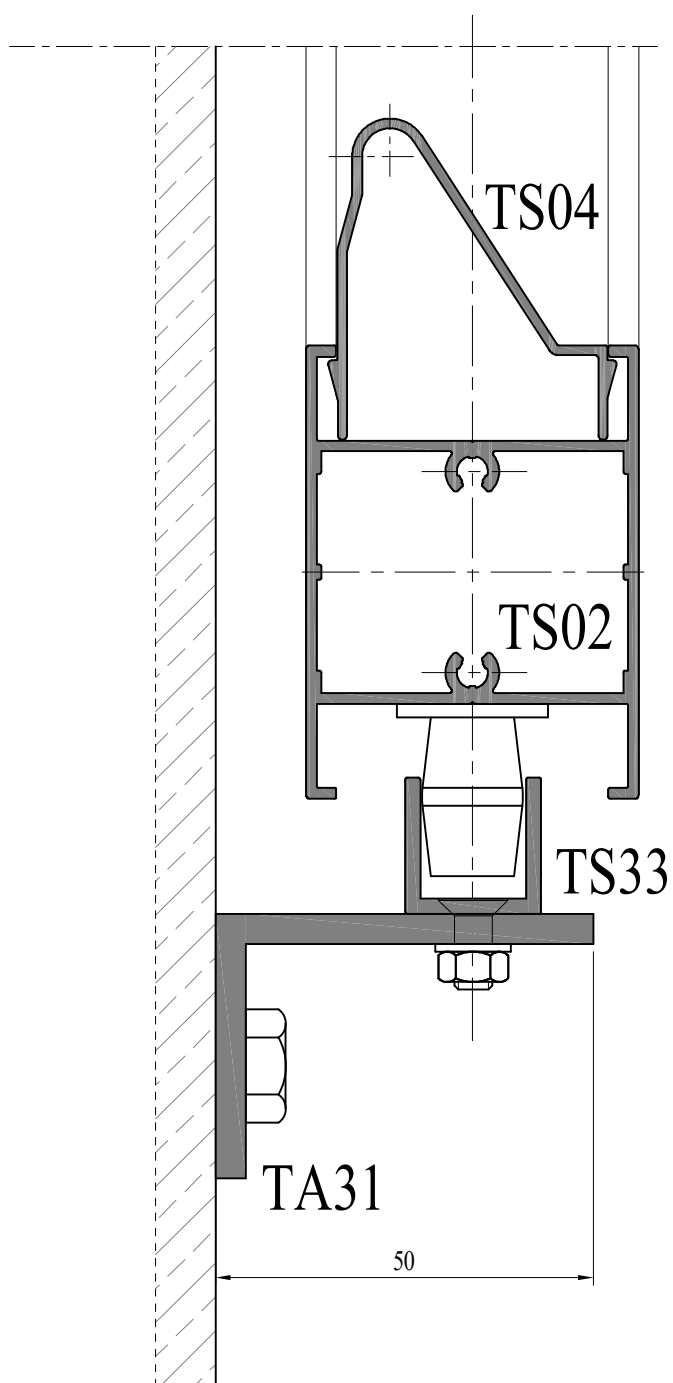
B-B





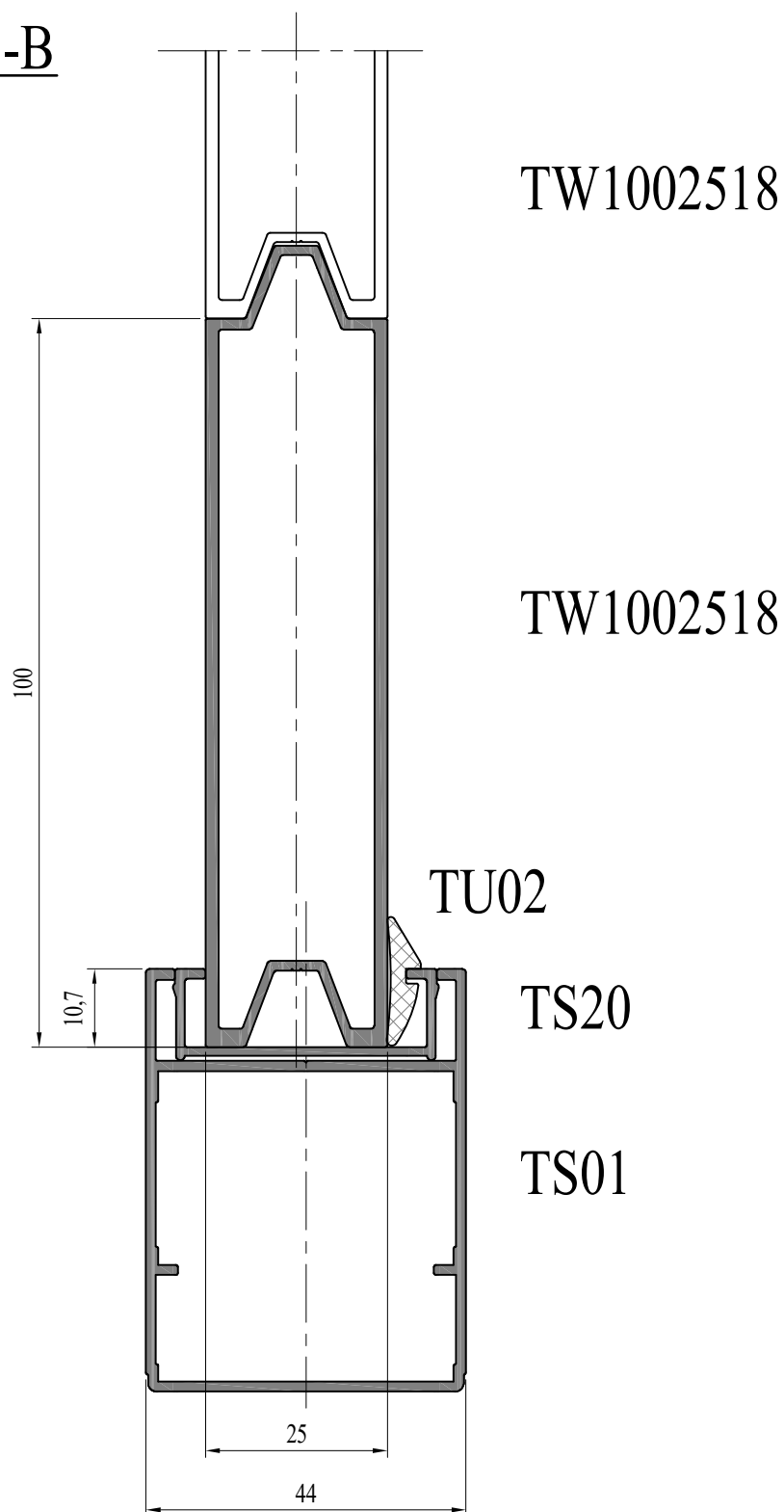


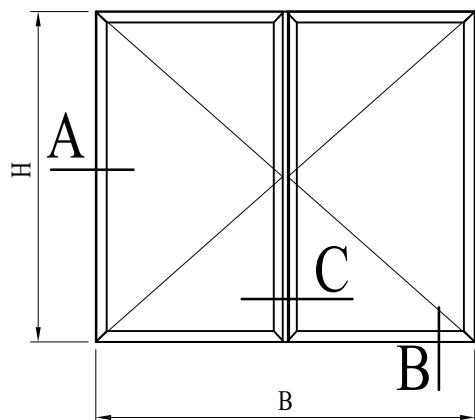
B-B



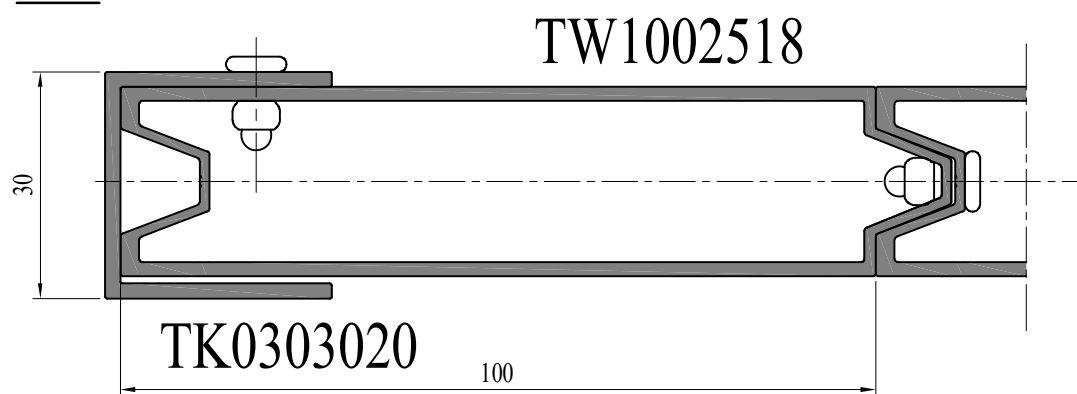
A-A

B-B

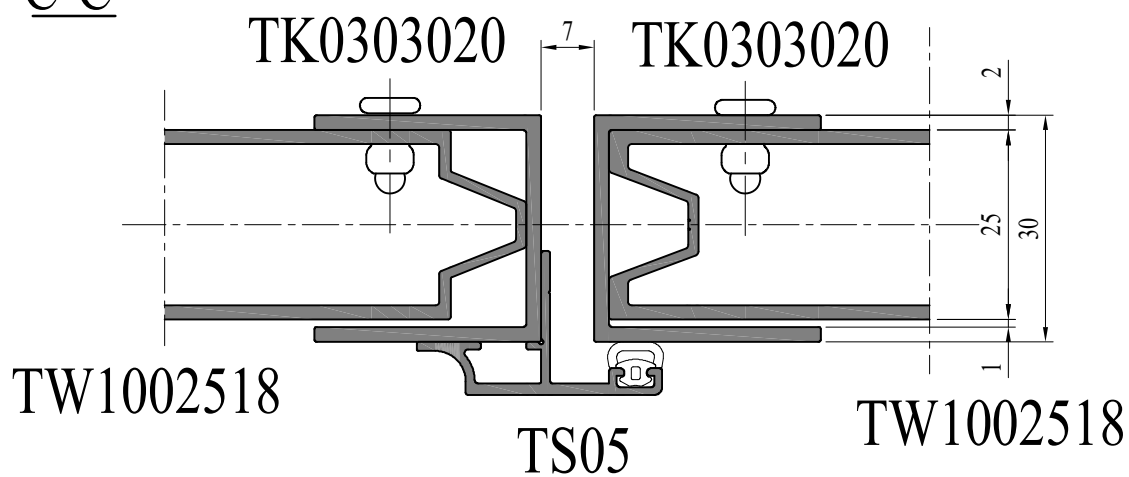


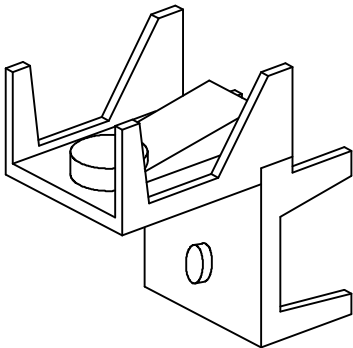
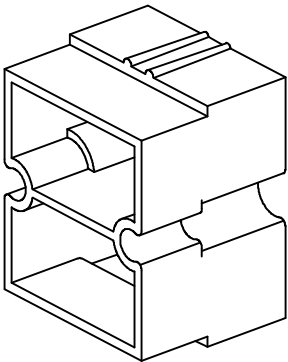
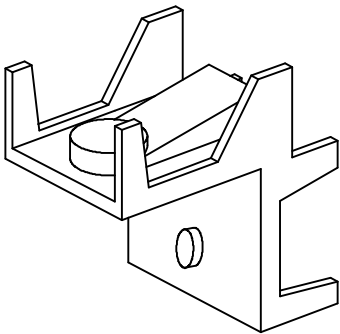
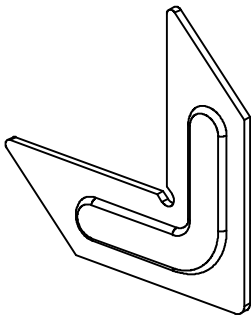


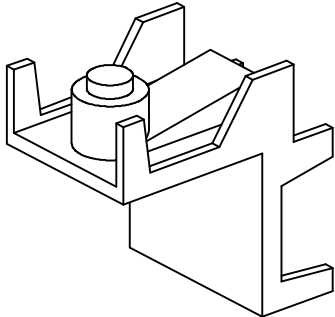
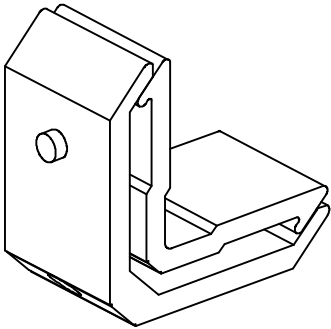
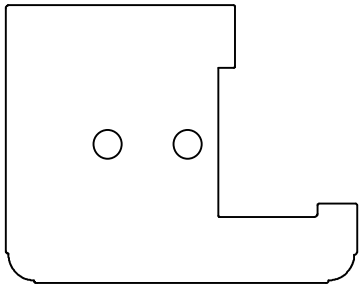
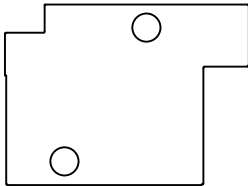
A-A

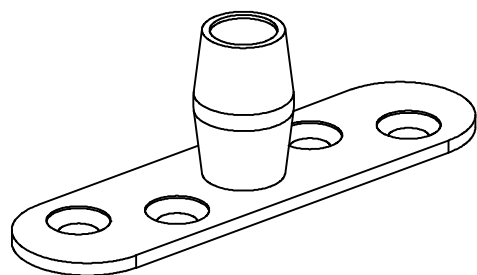


C-C

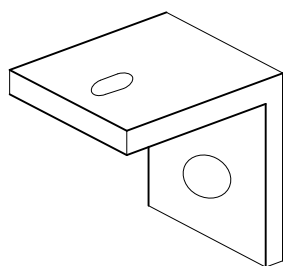


	TA01	profile: TS01
	TA02	profile: TS02 wkret: 2 szt. Ø4.2x32 DIN7981 A2
	TA10	profile: TS10
	TA11	profile: TS10, TS14, TS24

	TA14	profile: TS14
	TA24	profile: TS24
	TB10	profile: TS10
	TB11	profile: TS11 wkret: 2 szt. Ø4.2x16 DIN7981 A2



TA30



TA31

ALTOMA sp. z o.o.
Zawisna 138 A
Kamienica Polska

A-A

