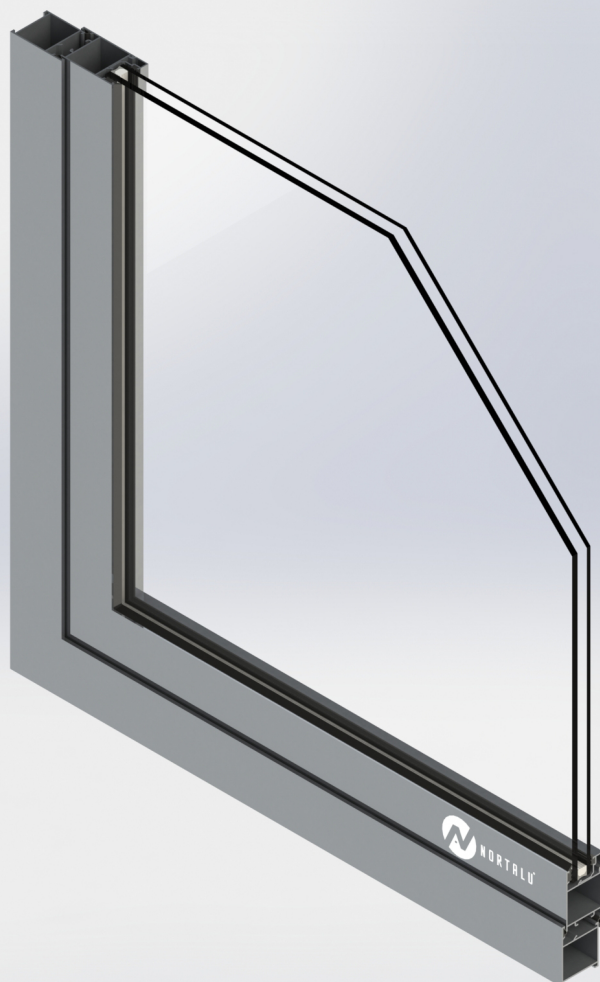


**SÉRIE AN**





# SÉRIE AN

## SISTEMA BATENTE TRADICIONAL

### Solução Económica

Sistema de batente para quem pretende um caixilho sem grandes preocupações de isolamento e estanquidade.

### Resultados do Ensaio do Tipo Inicial:

| Tipo Ensaio                        | Resultados |
|------------------------------------|------------|
| Permeabilidade ao Ar               | 4          |
| Estanquidade à Água                | 3A         |
| Resistência à Pressão do Vento     | B2         |
| Durabilidade Mecânica              | 2          |
| Coeficiente de Transmissão Térmica | 3.9        |
| Desempenho Acústico                | 32         |

Janela com perfis alumínio do Sistema AN composta por duas folhas móveis de batente, uma folha de ventilação e uma folha fixa.

**Dimensão da Janela:**  
3000x2000mm

### Soluções Construtivas:

- Fixos;
- Janelas e Portas;
- Basculantes;
- Projetantes;
- Vai e Vem.

### Capacidade de Vidro:

- Vidro Simples: 4 a 12mm
- Vidro Duplo: 12 a 28mm

### Vedantes:

- Material em EPDM ou PVC em conformidade com a norma aplicável.

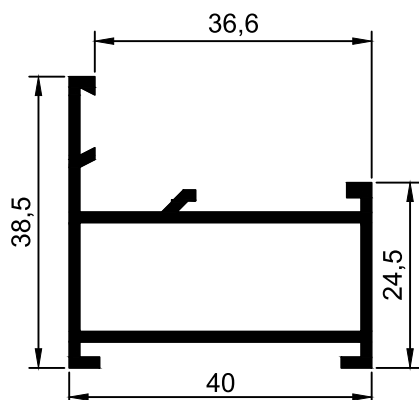
### Acessórios:

- Materiais em alumínio, zamac, aço inox e nylon em conformidade com a norma aplicável.

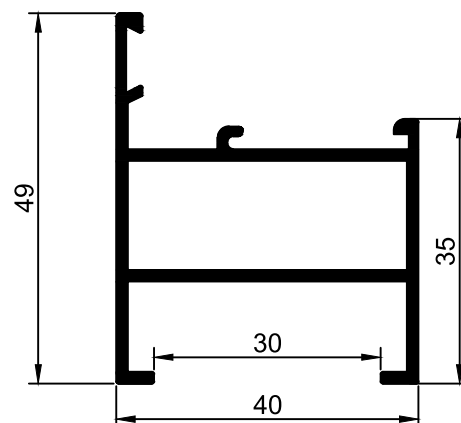




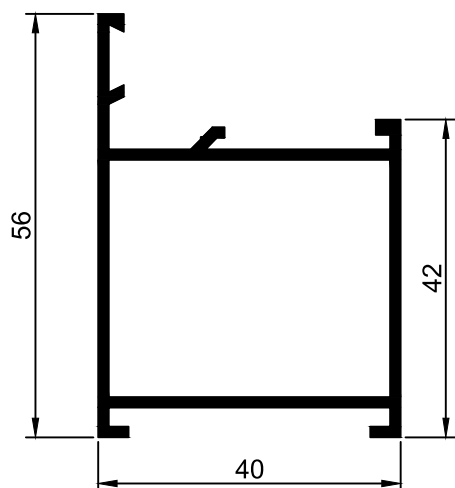
**AN.01** *Aro Fixo*



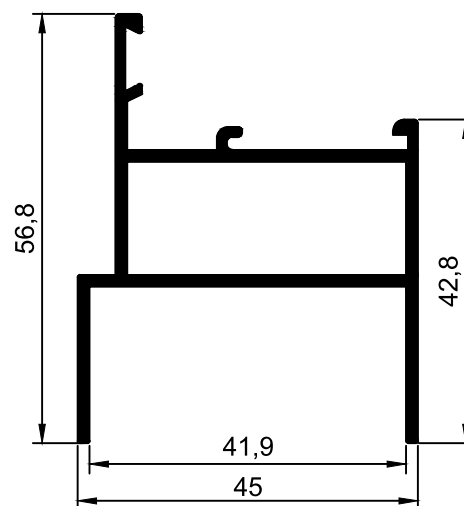
**AN.04** *Aro Fixo*



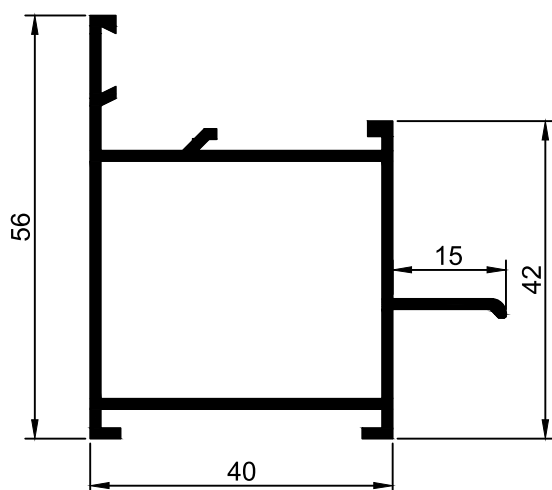
**AN.03** *Aro Fixo*



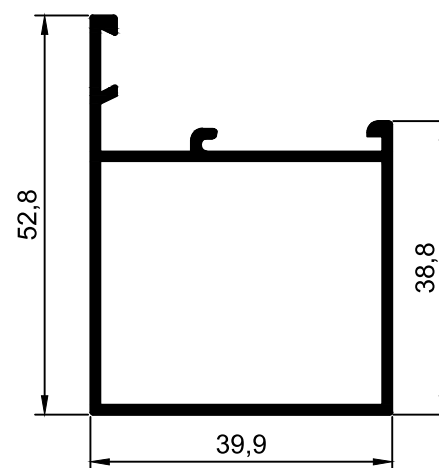
**AN.02** *Aro Fixo*



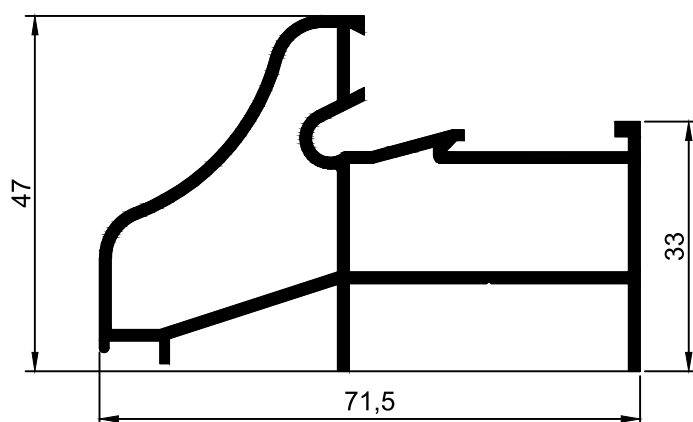
**AN.05** *Aro Fixo*



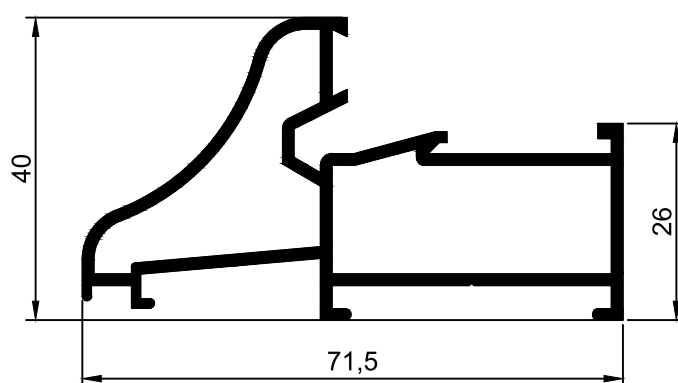
**AN.06** *Aro Fixo*



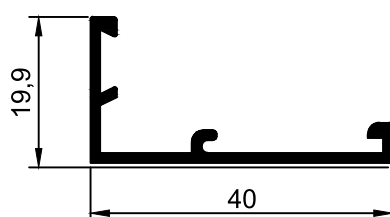
**AN.10** *Aro Fixo*



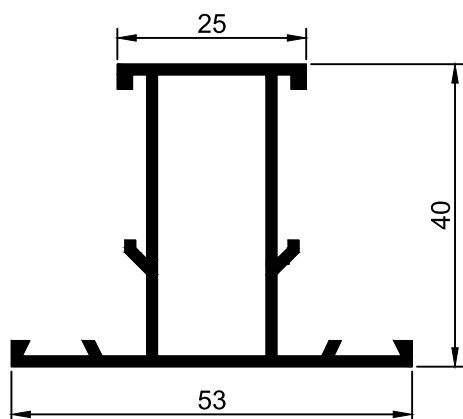
**AN.08** *Aro Fixo*



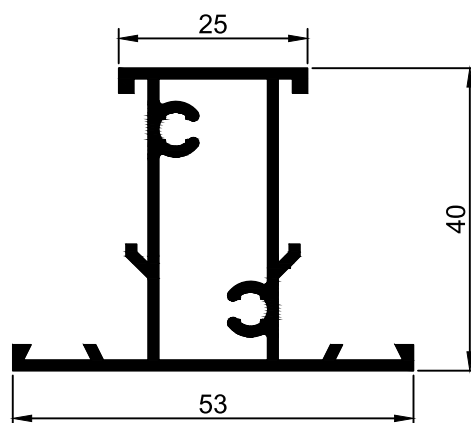
**AN.74** *Aro Fixo*



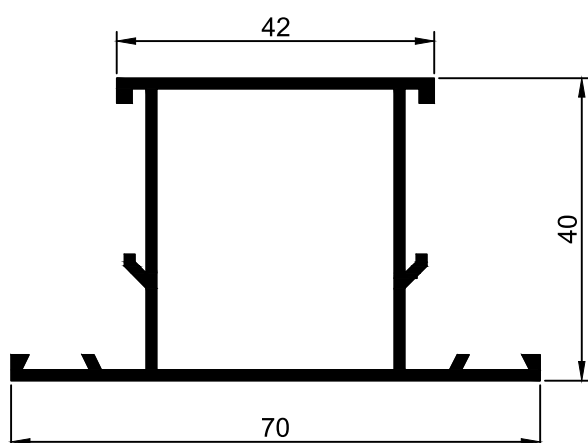
**AN.12** Travessa



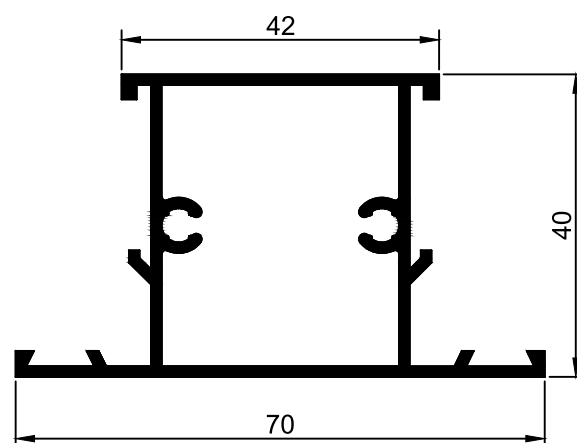
**AN.14** Travessa



**AN.11** Travessa

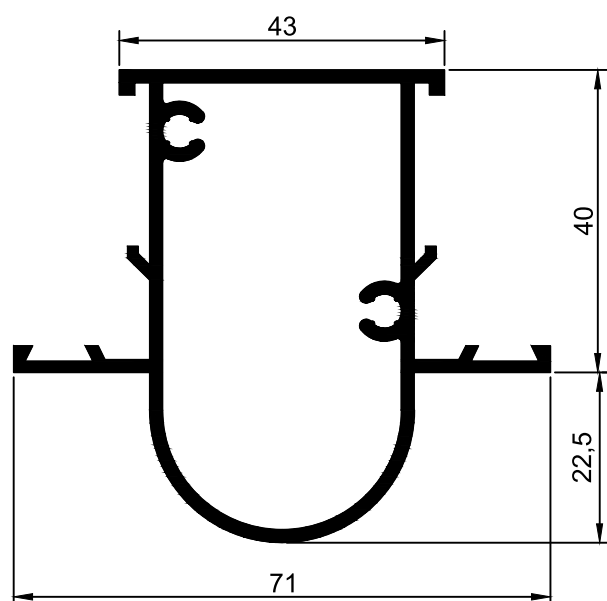


**AN.13** Travessa

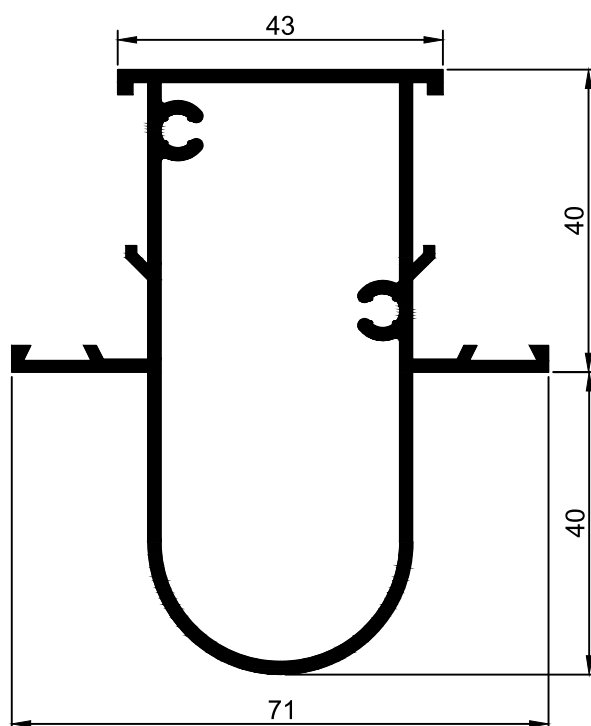




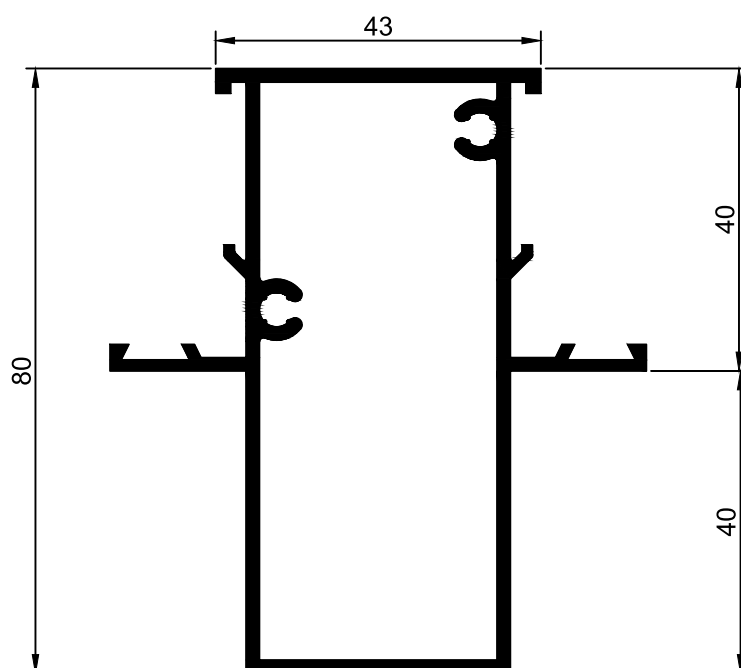
**AN.17** *Montante*



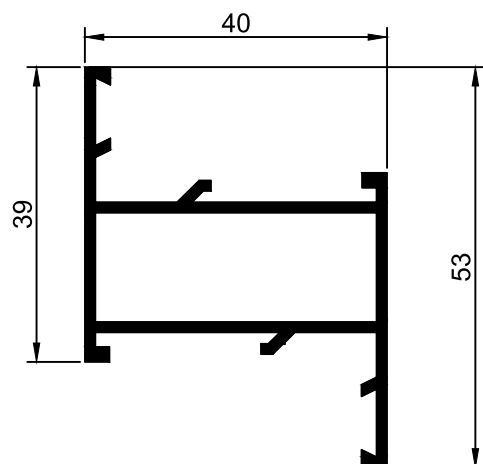
**AN.18** *Montante*



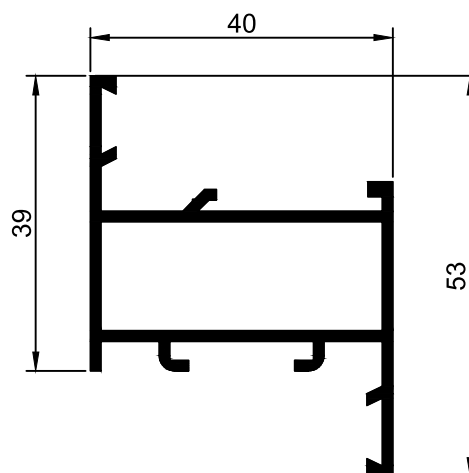
**AN.19** *Montante*



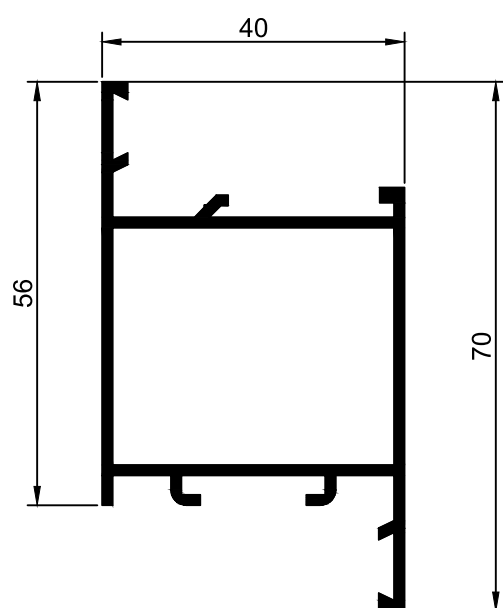
**AN.22** *Aro Móvel*



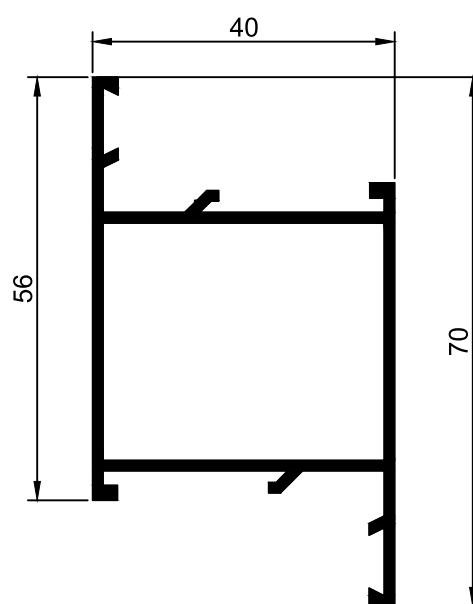
**AN.21** *Aro Móvel*



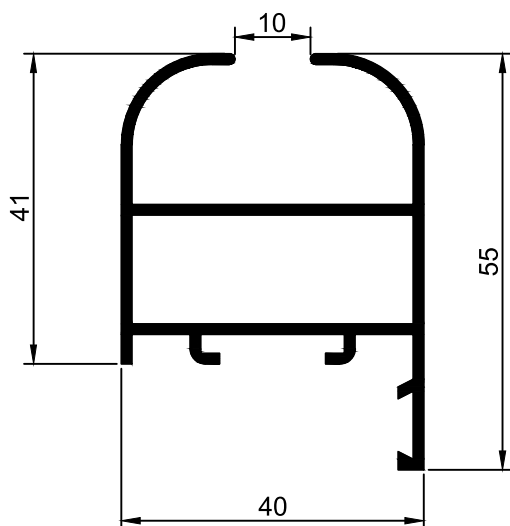
**AN.31** *Aro Móvel*



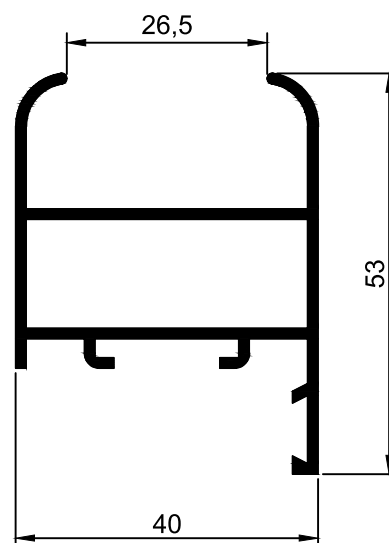
**AN.32** *Aro Móvel*



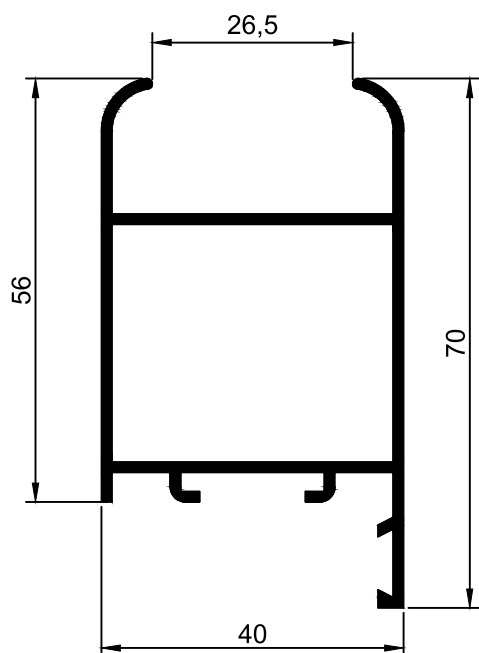
**AN.29** *Aro Móvel*



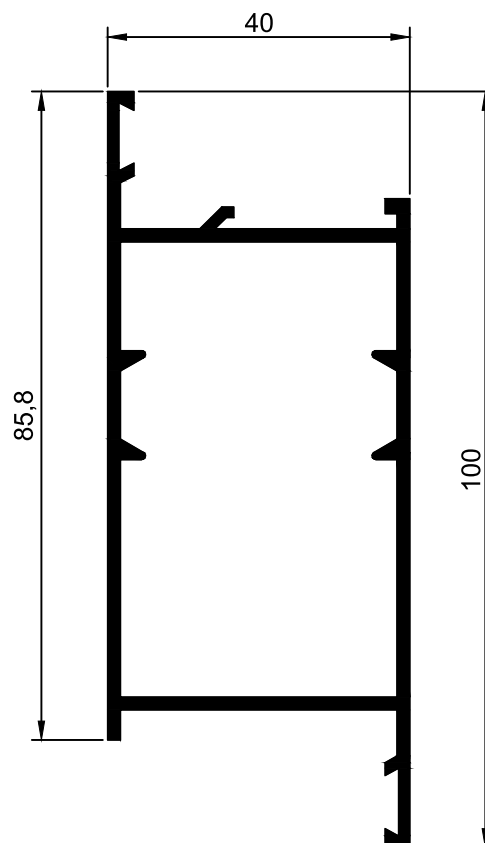
**AN.28** *Aro Móvel*



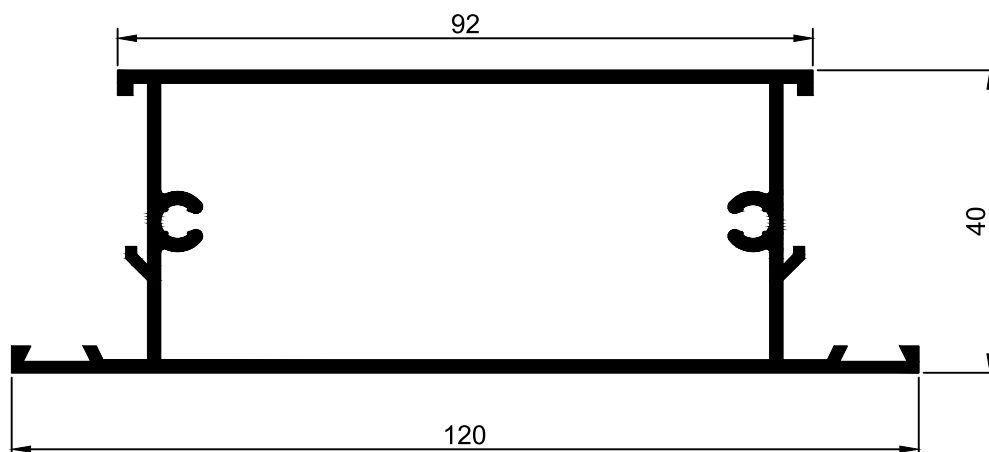
**AN.38** *Aro Móvel*



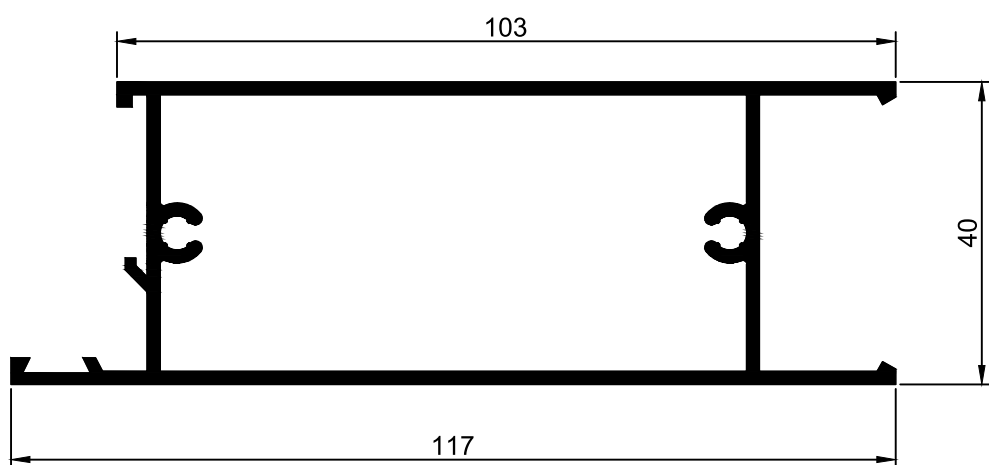
**AN.37** *Aro Móvel*



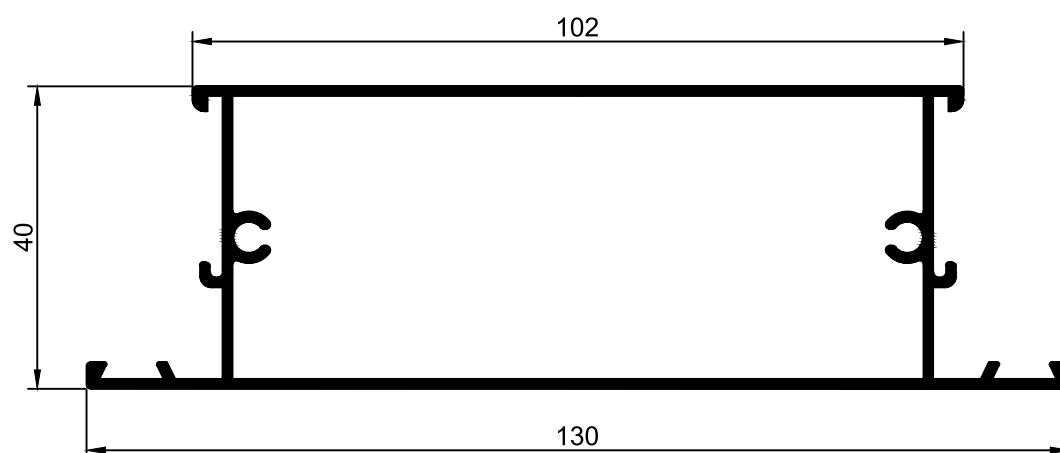
**AN.41** *Travessa Central*



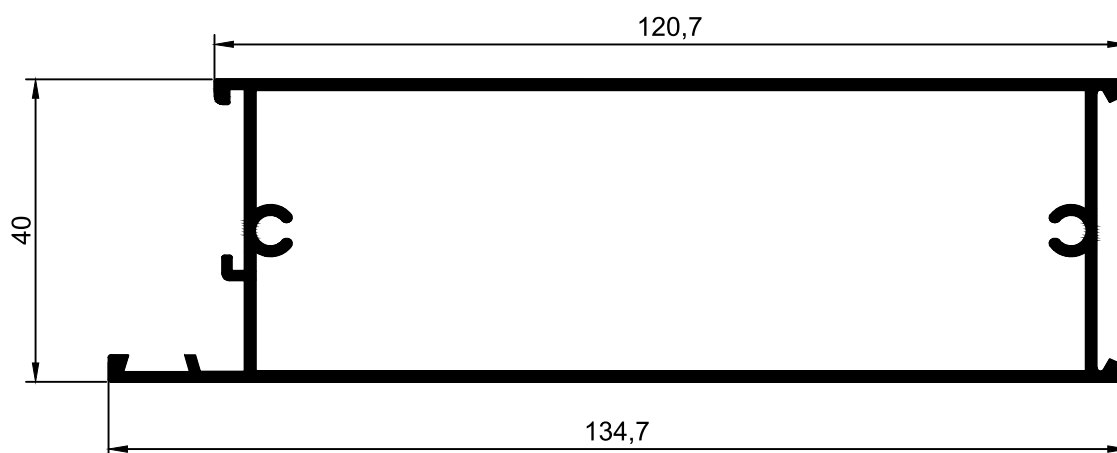
**AN.42** *Travessa Inferior*



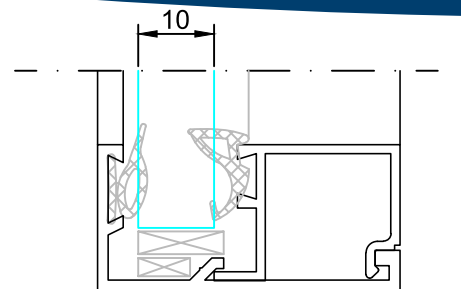
**AN.43** *Travessa Central*



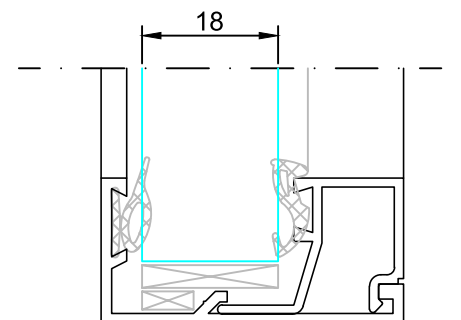
**AN.44** *Travessa Inferior*



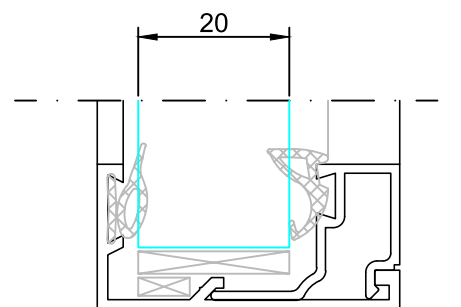
**AN.56** *Bite*



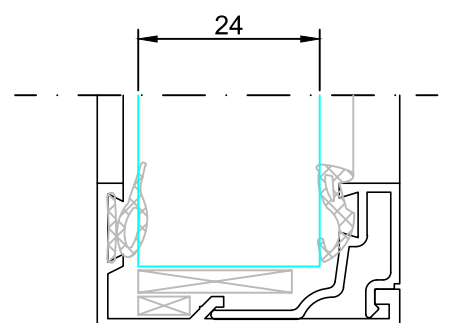
**AN.54** *Bite*



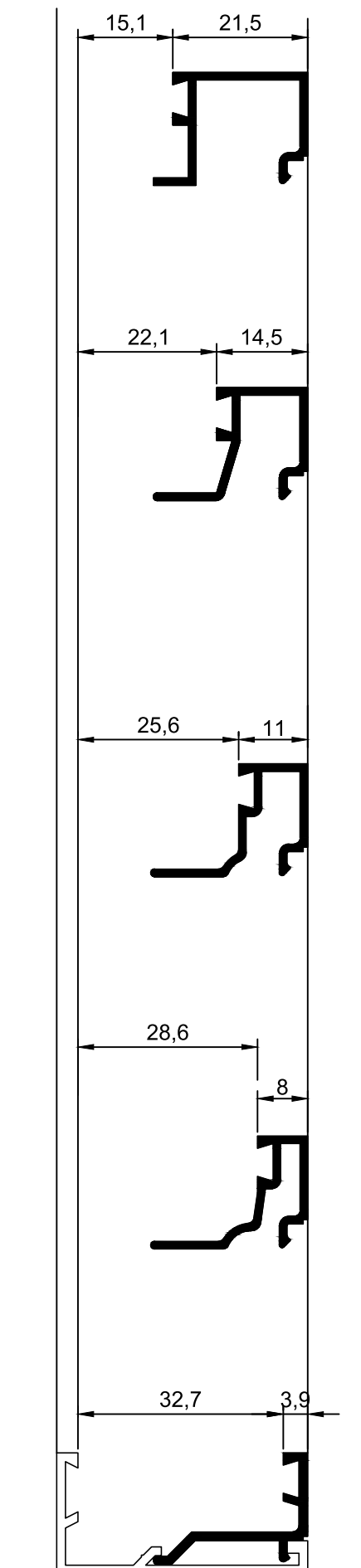
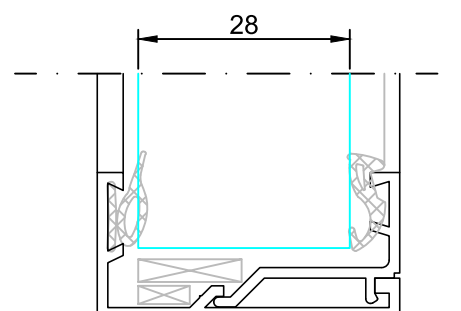
**AN.53** *Bite*

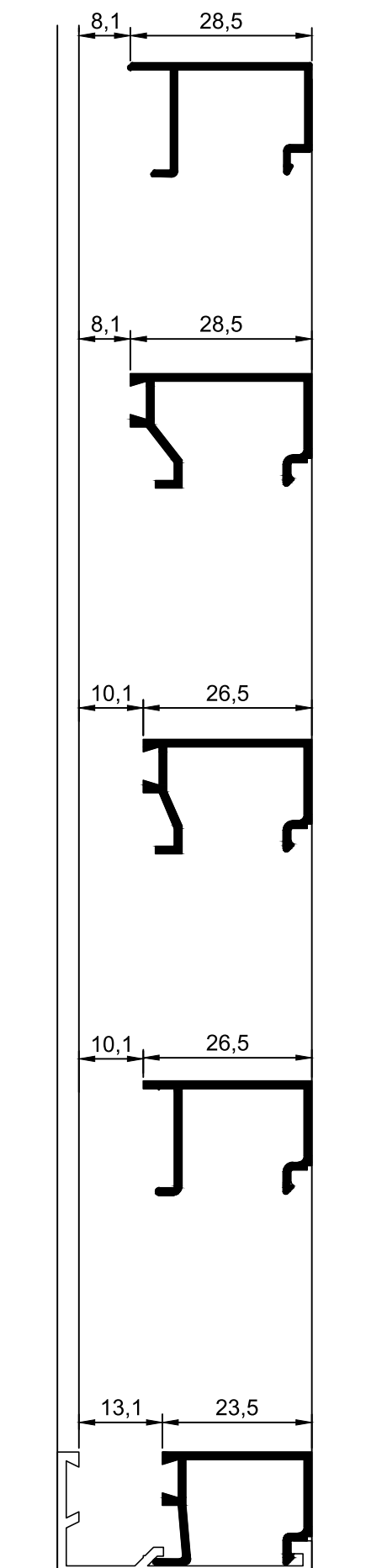


**AN.51** *Bite*

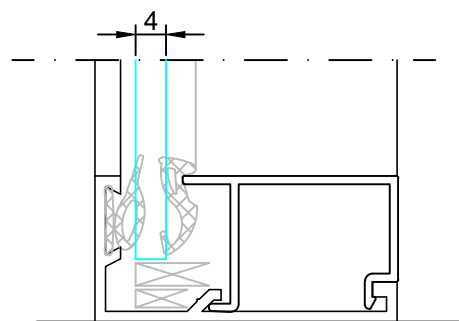


**AN.50** *Bite*

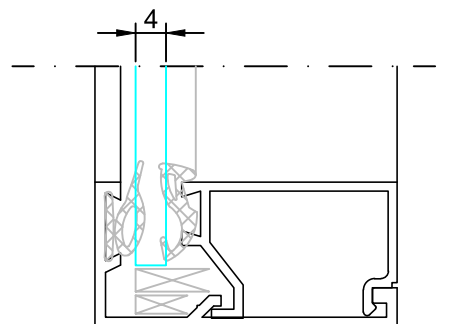




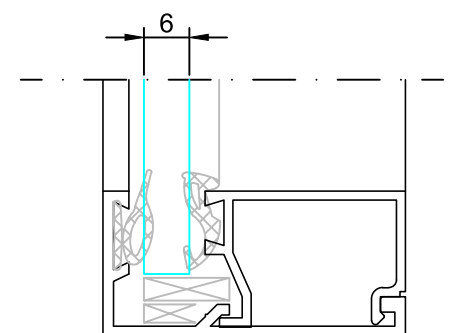
**AN.60** *Bite*



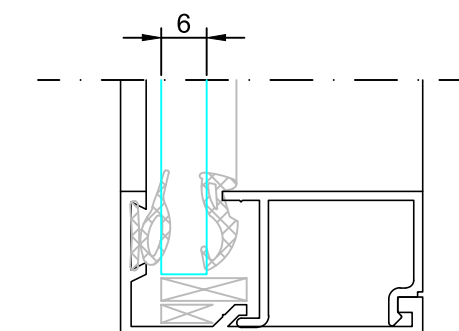
**AN.59** *Bite*



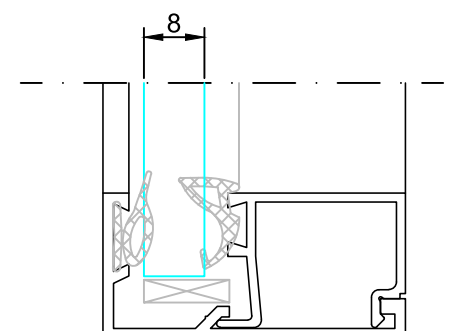
**AN.58** *Bite*



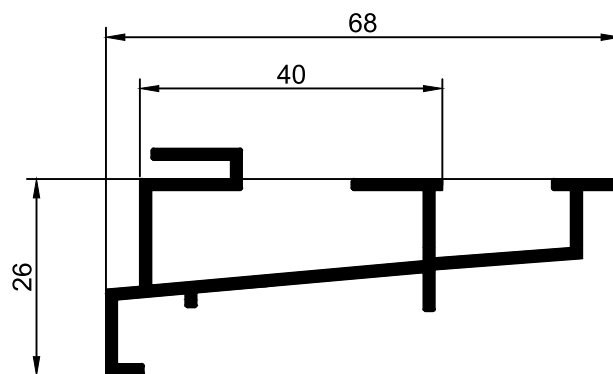
**AN.57** *Bite*



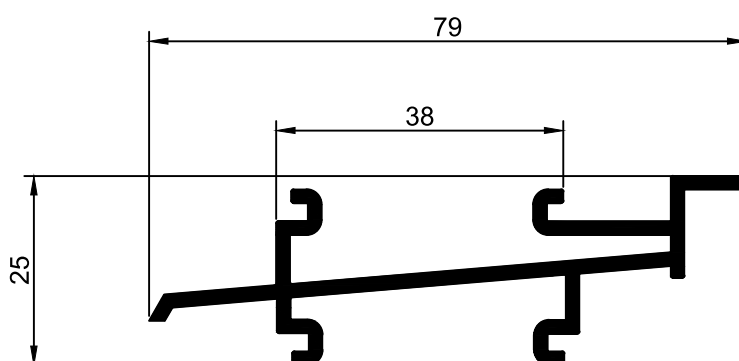
**AN.55** *Bite*



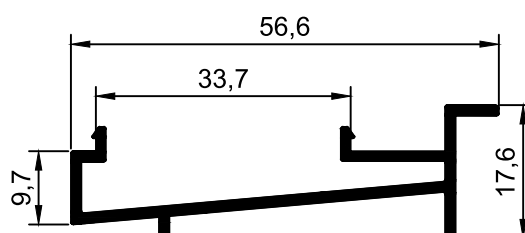




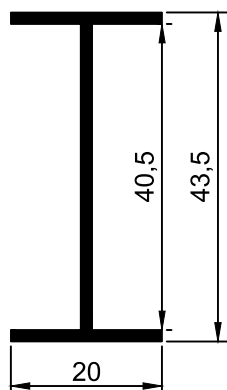
**AN.83** *Soleira Condensação*



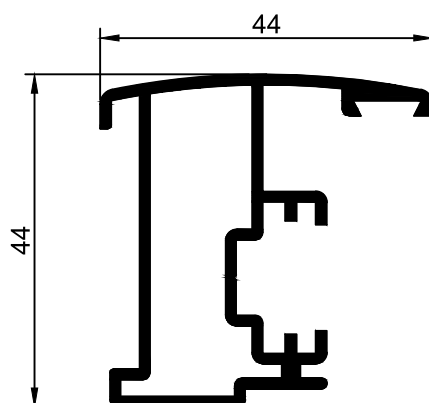
**AN.81** *Soleira Condensação*



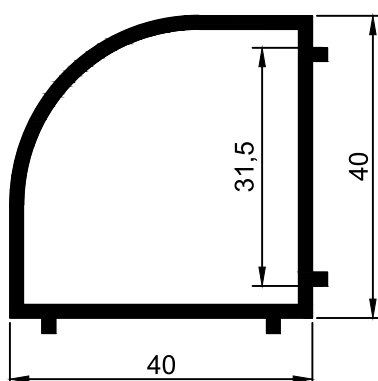
**AQ.84** *Soleira Condensação*



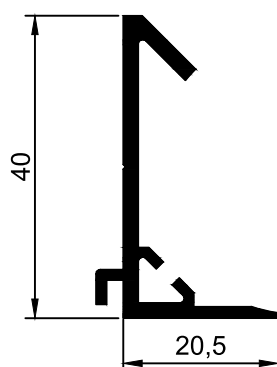
**ST.84A** *Perfil Ligação*



**AN.80** *Inversor*



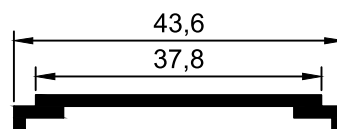
**AN.72** *Perfil Ligação 90°*



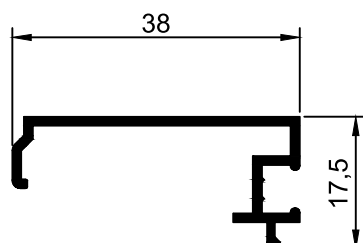
**ST.82** *Perfil Ligação Angular*



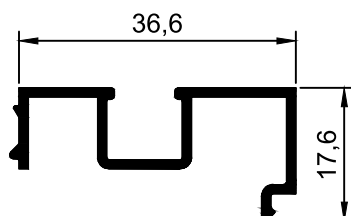
**AN.95** *Brite P/ Beta*



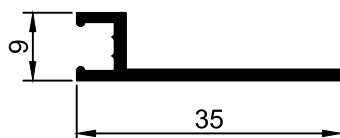
**AN.95A** *Brite P/ Beta*



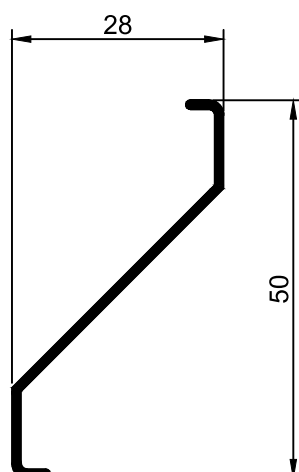
**AN.97** *Brite P/ Lâmina - Z.14; Z.40; Z.35*



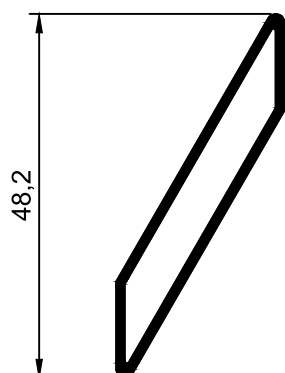
**AN.96** *Brite P/ Lâmina - Z.35*



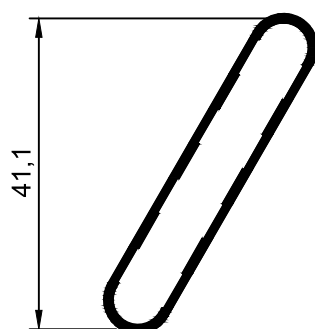
**AN.100** *Brite P/ Lâmina PO.34 e aplicação de rede mosquiteira*



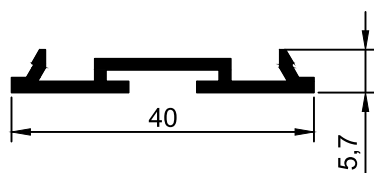
**Z.14** *Lâmina*



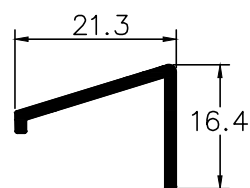
**Z.40** *Lâmina*



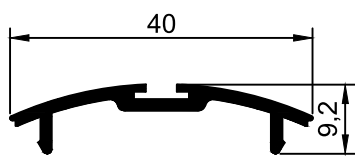
**Z.35** *Lâmina*



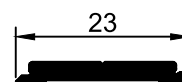
**AN.93** *Bite Vedação Inferior*



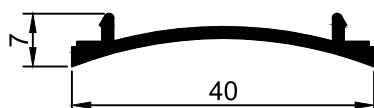
**AQ.95** *Pingadeira Móvel*



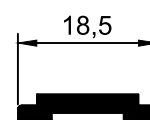
**AN.92** *Bite Vedação Vai-Vém*



**AN.98** *Vareta Cremone*  
(aplicação AN.22,32,37,11,12)

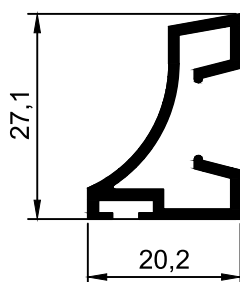


**AN.92A** *Bite Vedação Vai-Vém*

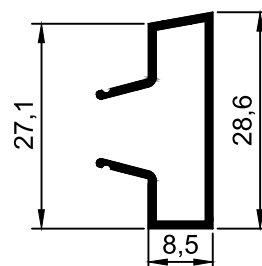


**AN.94** *Vareta Cremone*  
(aplicação AN.21,31,28,29,38)

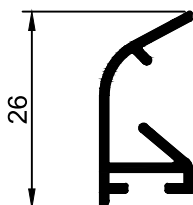
**AQ.96** *Pingadeira*



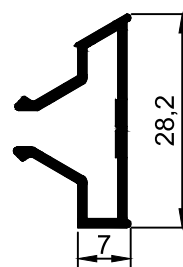
**AQ.97** *Clip Pingadeira*



**AQ.96A** *Pingadeira*



**AQ.97A** *Clip Pingadeira*



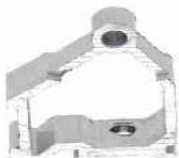


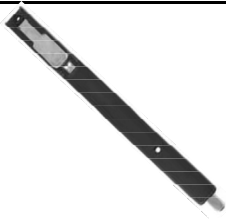
**NORTALU<sup>®</sup>**

**ACESSÓRIOS**

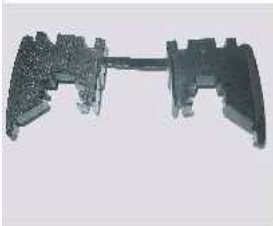




| ARTIGO                                                                              | DESCRIÇÃO                                       | APLICAÇÃO       |      |
|-------------------------------------------------------------------------------------|-------------------------------------------------|-----------------|------|
|    | <b>ESQ.421</b><br><br>Esquadro 31,6x13,6mm      | AN01            | AN21 |
|                                                                                     |                                                 | AN02            | AN22 |
|                                                                                     |                                                 | AN04            | AN28 |
|                                                                                     |                                                 | AN08            | AN29 |
|                                                                                     |                                                 | AN10            |      |
|                                                                                     |                                                 | AN12            |      |
|    | <b>ESQ.406</b><br><br>Esquadro 36x30,5mm        | AN03            | AN38 |
|                                                                                     |                                                 | AN05            |      |
|                                                                                     |                                                 | AN06            |      |
|                                                                                     |                                                 | AN11            |      |
|                                                                                     |                                                 | AN31            |      |
|                                                                                     |                                                 | AN32            |      |
|    | <b>ESQ.092P</b><br><br>Esquadro Pequeno Misto   | AN01            | AN21 |
|                                                                                     |                                                 | AN02            | AN22 |
|                                                                                     |                                                 | AN04            | AN28 |
|                                                                                     |                                                 | AN08            | AN29 |
|                                                                                     |                                                 | AN10            |      |
|                                                                                     |                                                 | AN12            |      |
|  | <b>ESQ.093G</b><br><br>Esquadro Grande Misto    | AN03            | AN38 |
|                                                                                     |                                                 | AN05            |      |
|                                                                                     |                                                 | AN06            |      |
|                                                                                     |                                                 | AN11            |      |
|                                                                                     |                                                 | AN31            |      |
|                                                                                     |                                                 | AN32            |      |
|  | <b>ESQ UNS40P</b><br><br>Esquadro União Pequeno | AN12            |      |
|                                                                                     |                                                 |                 |      |
|  | <b>ESQ UNS40G</b><br><br>Esquadro União Grande  | AN11            |      |
|                                                                                     |                                                 |                 |      |
|  | <b>VD 200890</b><br><br>Vedante Base Rígida 7,8 | TODOS OS PERFIS |      |

| ARTIGO                                                                              | DESCRIÇÃO                                            | APLICAÇÃO       |
|-------------------------------------------------------------------------------------|------------------------------------------------------|-----------------|
|    | <b>DOB D1010</b><br>Dobradiça Deslizante             | TODOS OS PERFIS |
|    | <b>DOB D1010.3</b><br>Dobradiça Deslizante Tripla    | TODOS OS PERFIS |
|   | <b>DOB D10301</b><br>Dobradiça Deslizante 6000/AN/3F | AN80            |
|  | <b>KIT 4020Z2H</b><br>Kit 2F                         |                 |
|  | <b>FECHO 49041</b><br>Fecho CE Pequeno 2ªFolha Zamak |                 |
|  | <b>FECHO 49048</b><br>Fecho CE Medio 2ªFolha Zamak   |                 |
|  | <b>FECHO 49054</b><br>Fecho CE Grande 2ªFolha Zamak  |                 |

| ARTIGO                                                                              | DESCRIÇÃO                          | APLICAÇÃO |
|-------------------------------------------------------------------------------------|------------------------------------|-----------|
|    | <b>FECHA 6FAE630G62801</b>         |           |
|                                                                                     | Fechadura Prumo 730/30 c/cilindro  |           |
|                                                                                     | <b>FECHA 6FAE630062801</b>         |           |
|                                                                                     | Fechadura Prumo 730/35 c/cilindro  |           |
| <hr/>                                                                               |                                    |           |
|   | <b>FECHA 6FAE67L062801</b>         |           |
|                                                                                     | Fechadura Tripla 755/30 c/cilindro |           |
|                                                                                     | Fechadura Tripla 755/35 c/cilindro |           |
| <hr/>                                                                               |                                    |           |
|  | <b>FECHO D6030</b>                 |           |
|                                                                                     | Fecho Bandeira                     |           |
| <hr/>                                                                               |                                    |           |
|  | <b>JN D7001</b>                    |           |
|                                                                                     | Jogos Nadir                        |           |

| ARTIGO                                                                              | DESCRIÇÃO                                             | APLICAÇÃO |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|-----------|
|    | <b>COMP D40021</b><br>Compasso Peq.Correr             |           |
|   | <b>FECHO 01004</b><br>Fecho Cremone Nova 1004         |           |
|  | <b>PUXADOR 02472410</b><br>Puxador Muleta (GS) Branco |           |
|  | <b>TOP AN80</b><br>Topo para AN 80                    |           |



**NORTALU<sup>®</sup>**

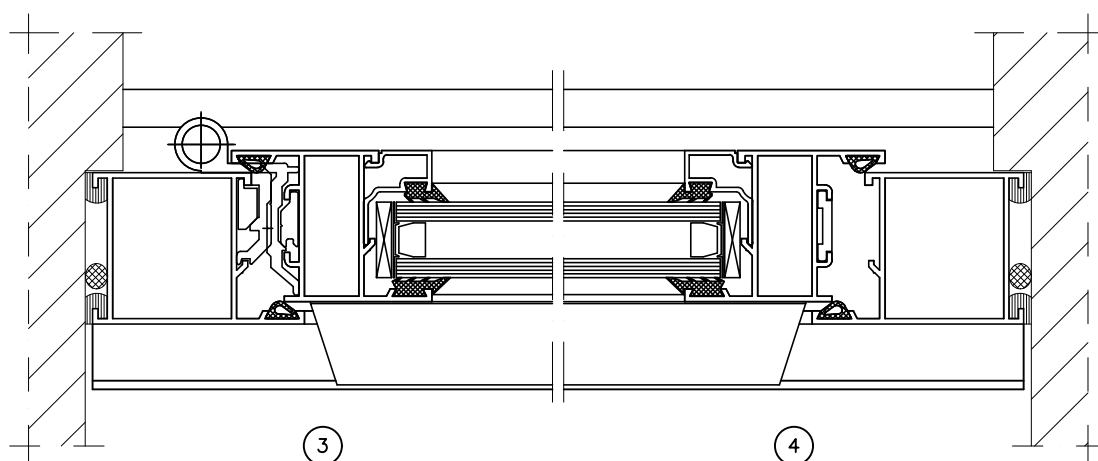
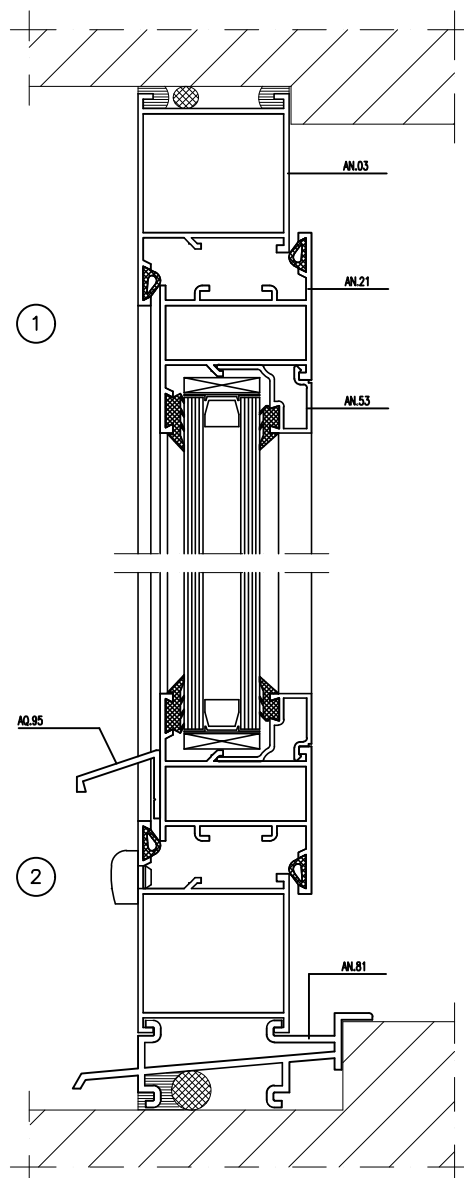
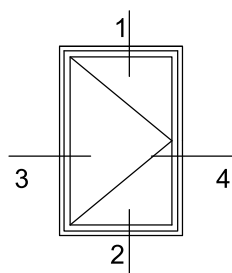
**PORMENORES TÉCNICOS**





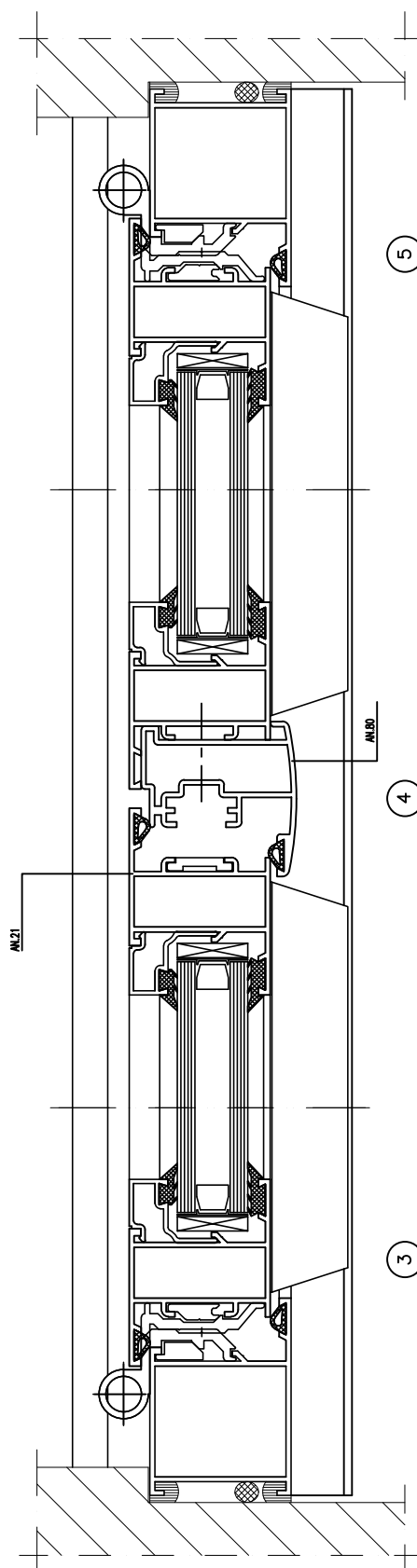
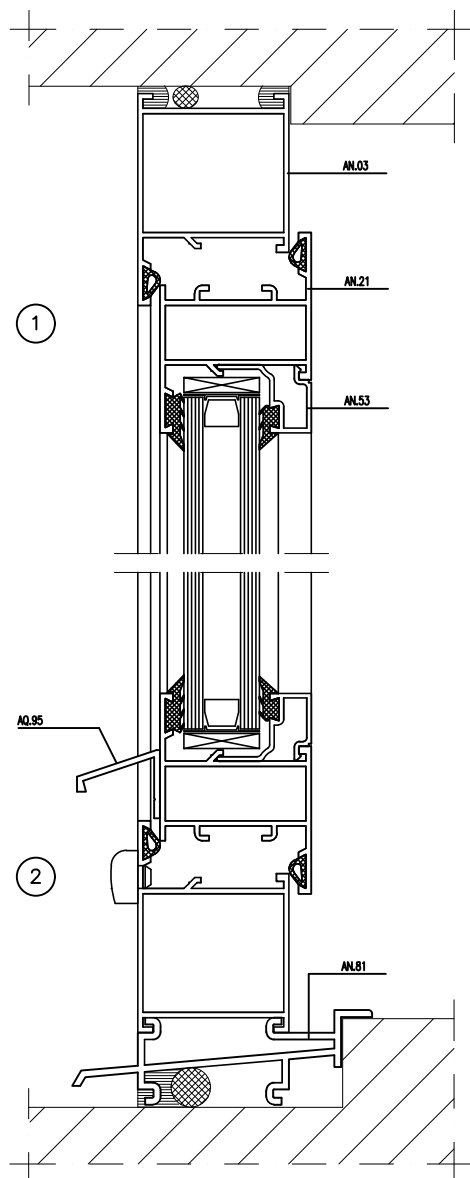
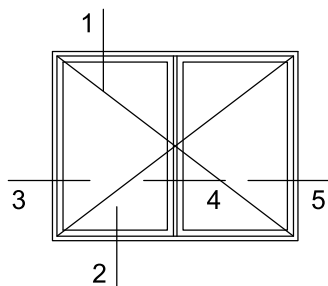
## SÉRIE AN

### JANELA DE 1 FOLHA



## SÉRIE AN

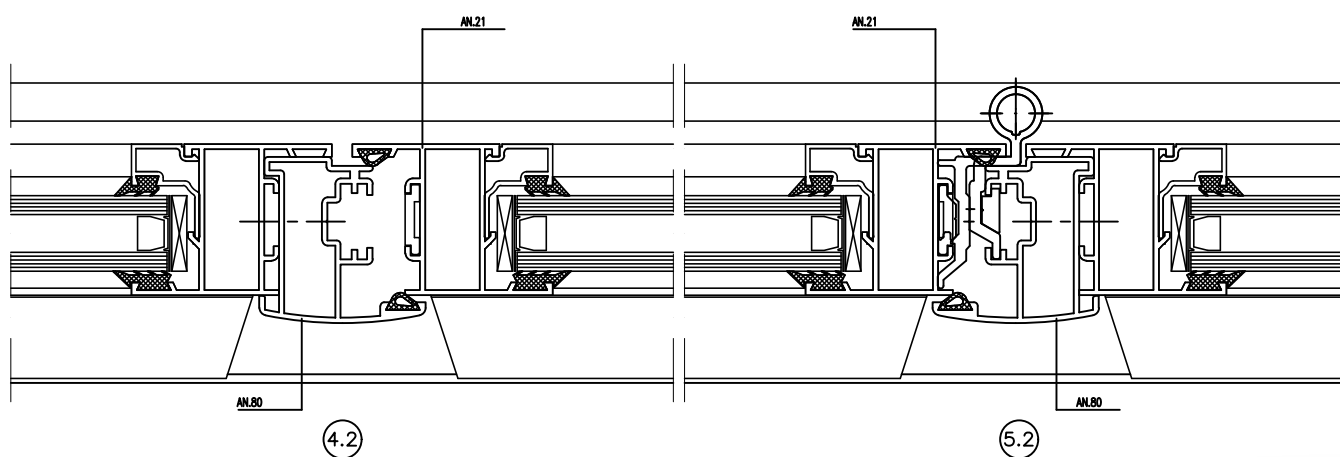
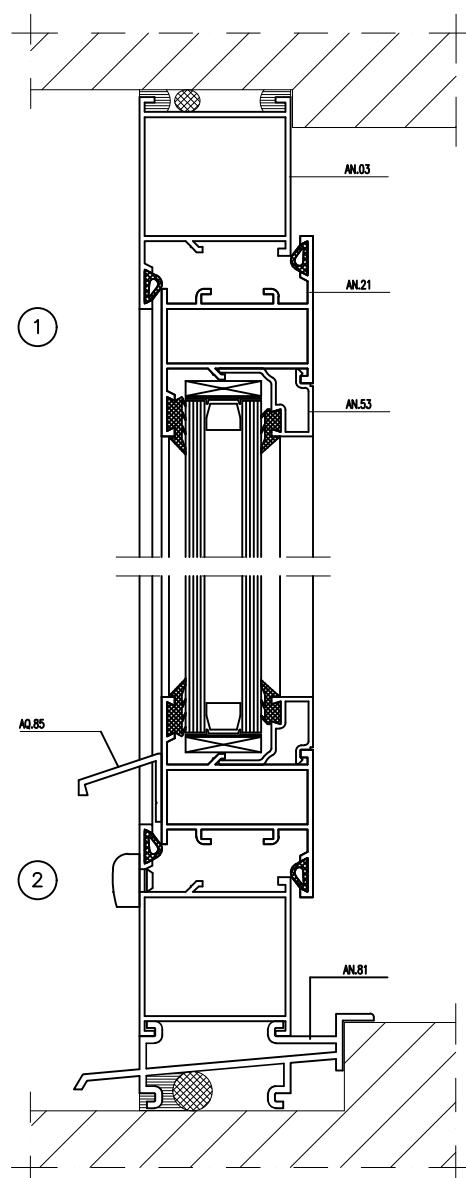
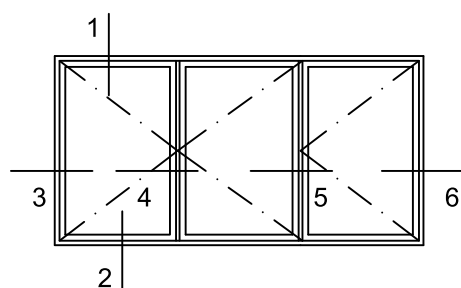
### JANELA DE 2 FOLHAS





## SÉRIE AN

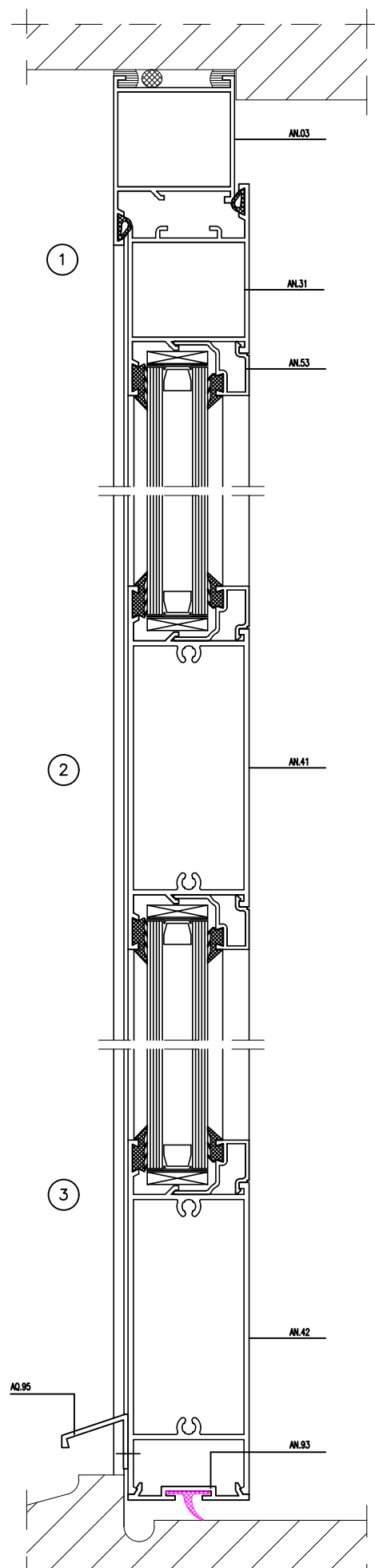
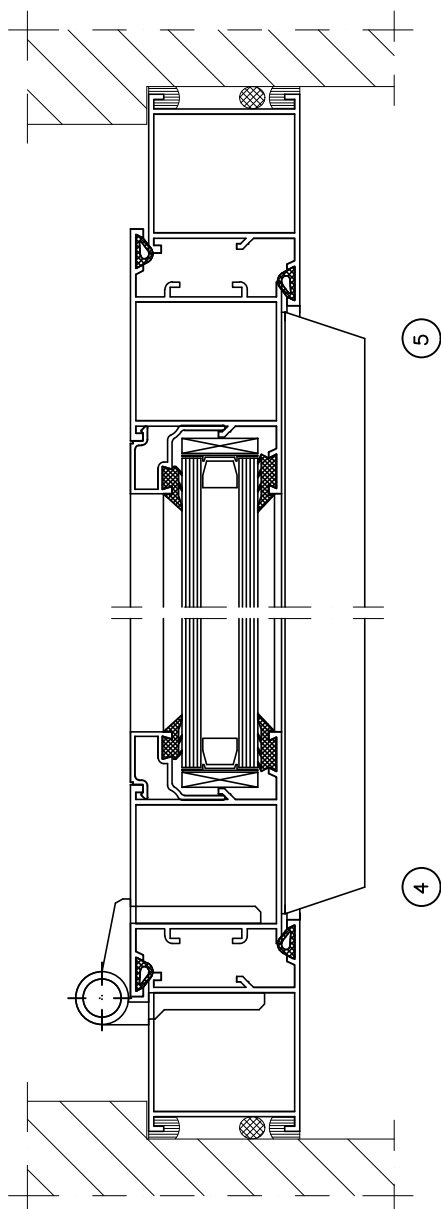
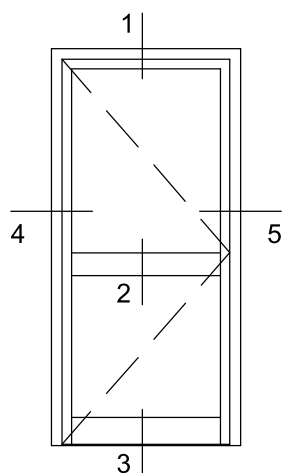
### JANELA DE 3 FOLHAS



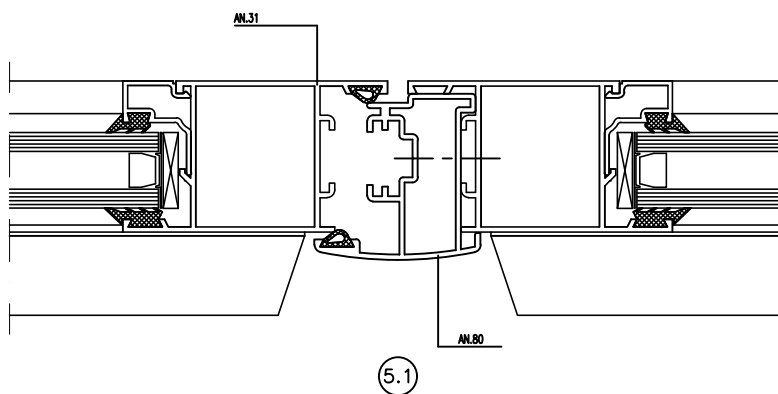
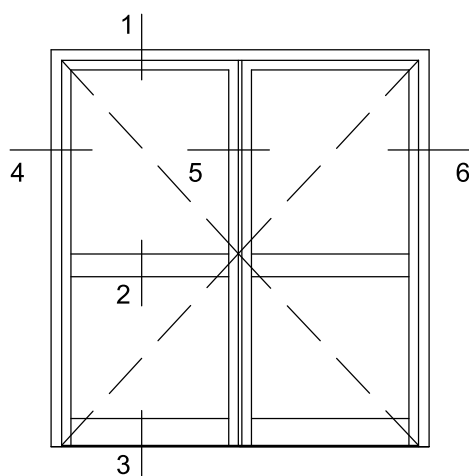
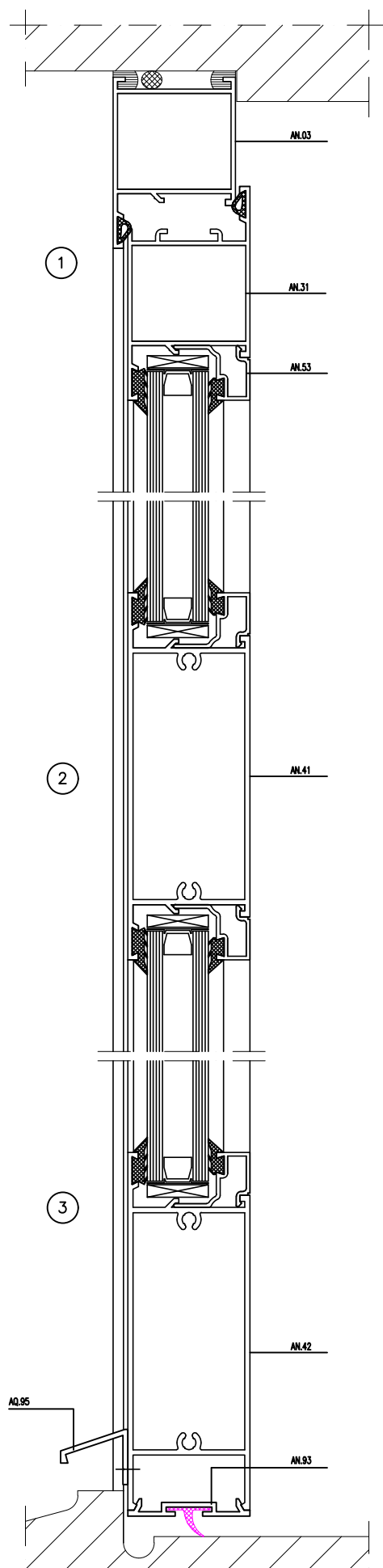
# SÉRIE AN

SÉRIE AN

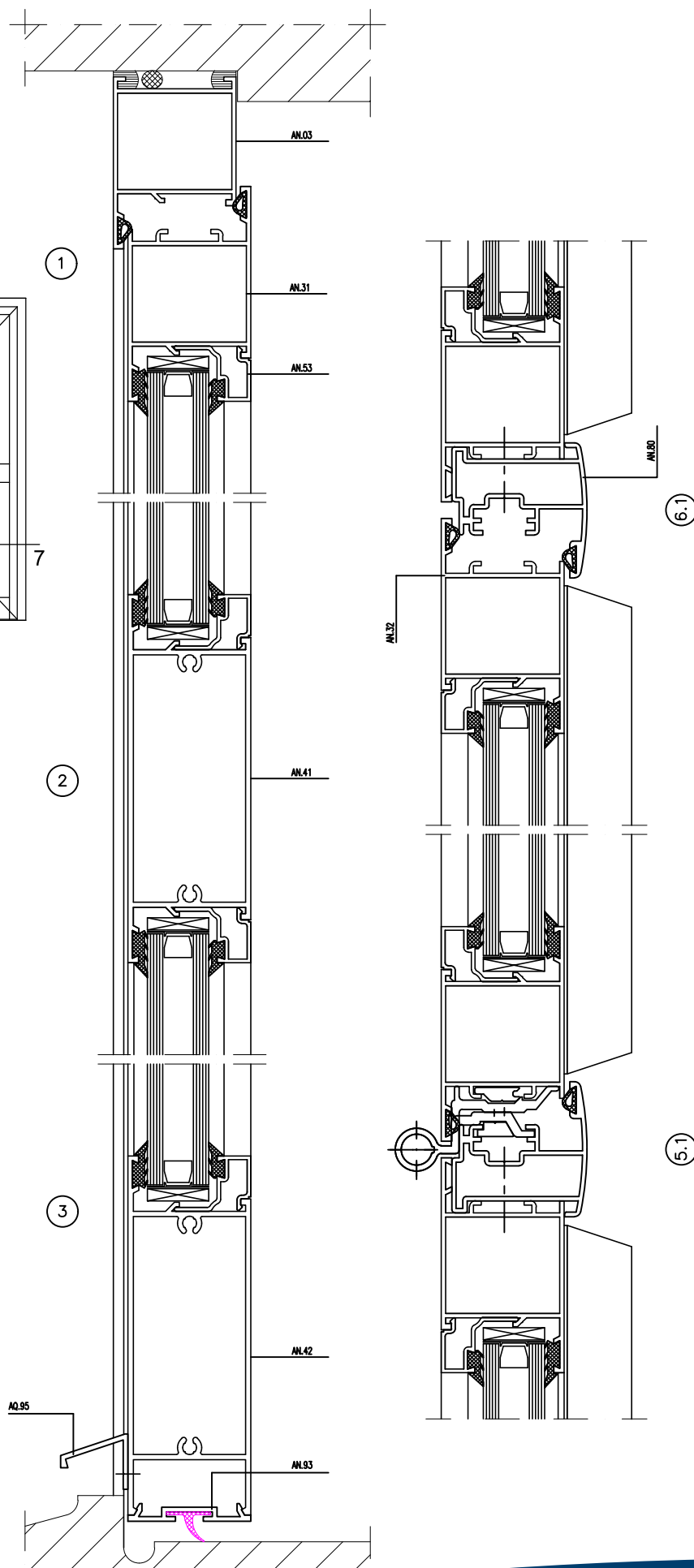
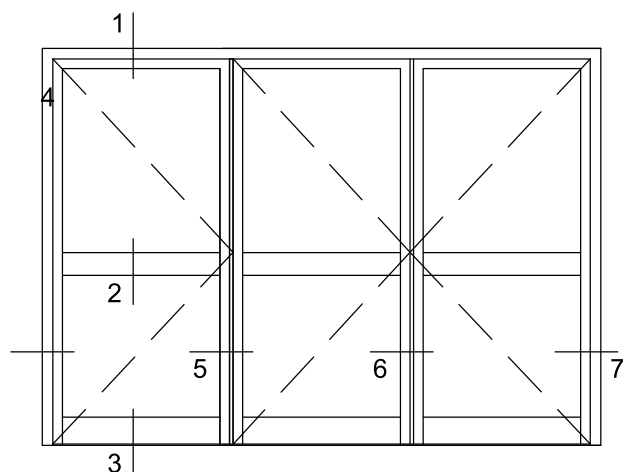
PORTA DE 1 FOLHA

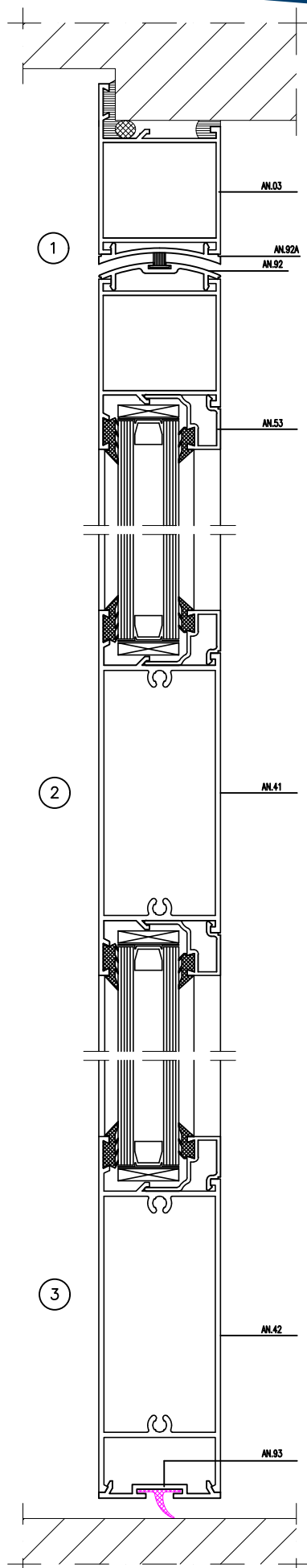
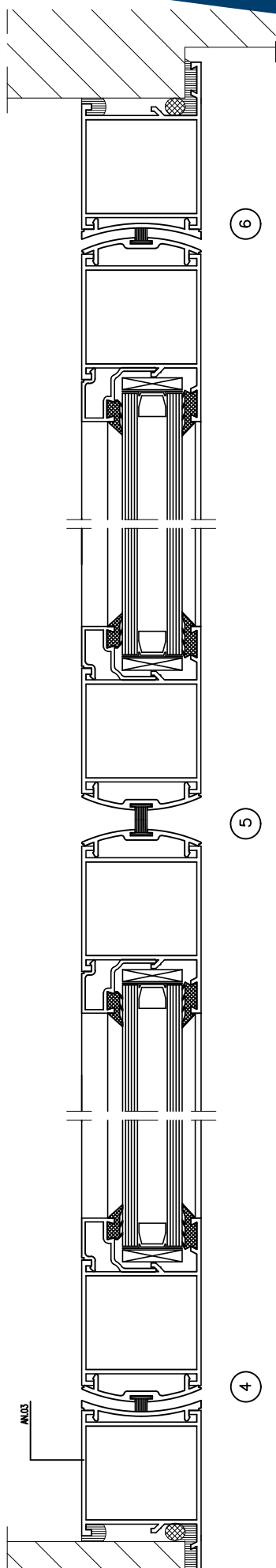


## SÉRIE AN PORTA DE 2 FOLHAS

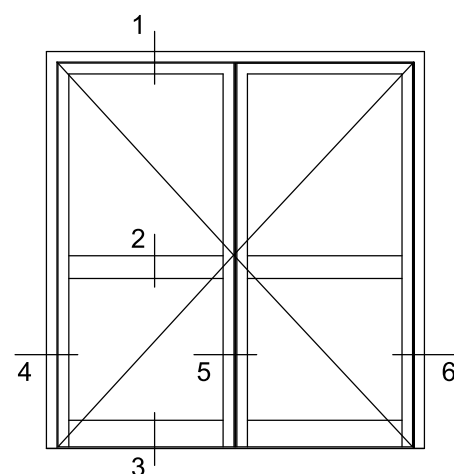


## SÉRIE AN PORTA DE 3 FOLHAS

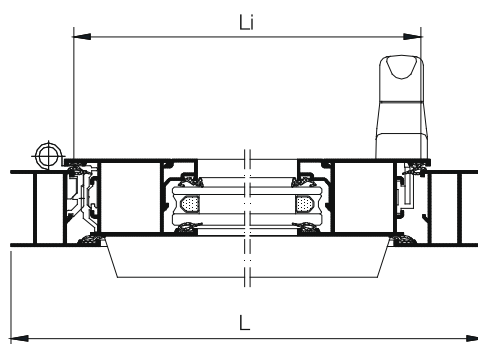
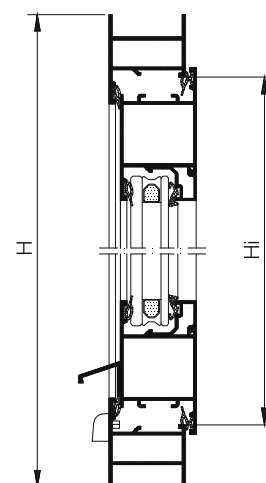
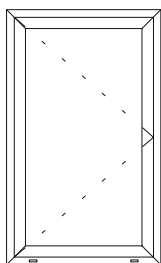




SÉRIE AN  
PORTA DE VAI-E-VEM

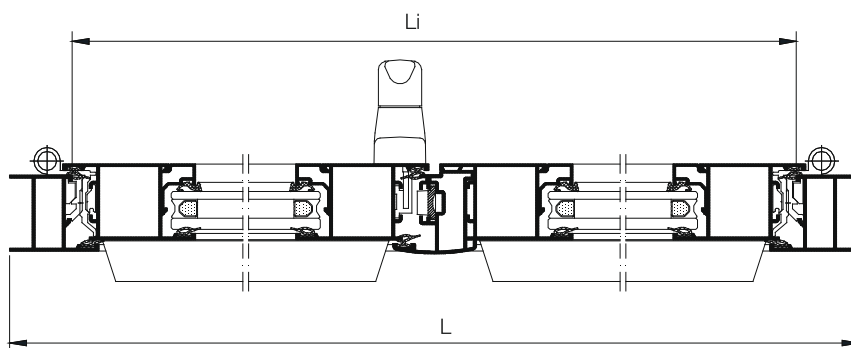
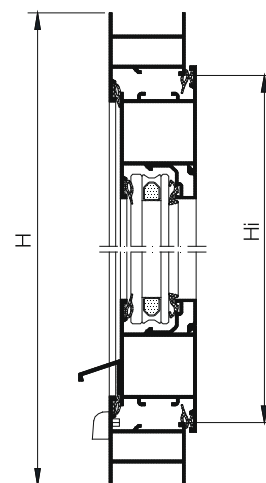
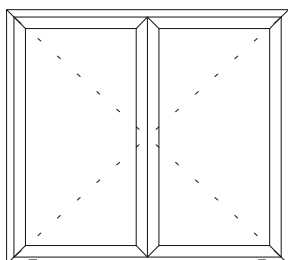


## JANELA DE UMA FOLHA



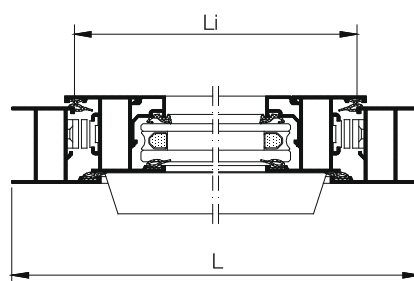
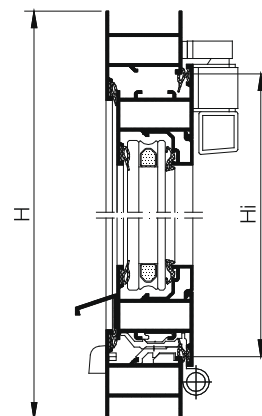
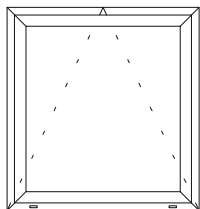
| perfil | referência       | corte | medida de corte | quantidade |
|--------|------------------|-------|-----------------|------------|
|        | AN.04            |       | L               | 2          |
|        |                  |       | H               | 2          |
|        | AN.21            |       | Li + 10         | 2          |
|        | AN.31            |       | Hi + 10         | 2          |
|        | Bite P/<br>AN.21 |       | Li - 68         | 2          |
|        |                  |       | Hi - 96         | 2          |
|        | Bite P/<br>AN.31 |       | Li - 102        | 2          |
|        |                  |       | Hi - 130        | 2          |
|        | AN.94            |       | Hi              | 1          |
|        | AQ.95            |       | Li - 120        | 1          |

## JANELA DE DUAS FOLHAS



| perfil | referência          | corte | medida de corte  | quantidade |
|--------|---------------------|-------|------------------|------------|
|        | AN.04               |       | L                | 2          |
|        |                     |       | H                | 2          |
|        | AN.21               |       | $(Li + 3) / 2$   | 4          |
|        | AN.31               |       | $Hi + 10$        | 4          |
|        | AN. 53 P/<br>AN. 21 |       | $(Li - 152) / 2$ | 4          |
|        |                     |       | $Hi - 96$        | 4          |
|        | AN. 53 P/<br>AN. 31 |       | $(Li - 220) / 2$ | 4          |
|        |                     |       | $Hi - 130$       | 4          |
|        | AN.94               |       | $Hi$             | 1          |
|        | AQ.95               |       | $(L - 160) / 2$  | 2          |
|        | AN.80               |       | $Hi - 38$        | 1          |

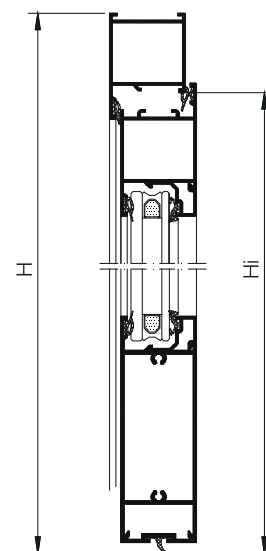
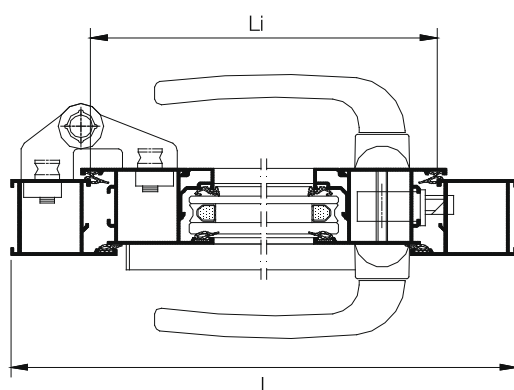
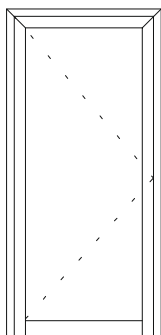
## JANELA BASCULANTE



| perfil | referência          | corte | medida de corte | quantidade |
|--------|---------------------|-------|-----------------|------------|
|        | AN.04               |       | L               | 2          |
|        |                     |       | H               | 2          |
|        | AN.21               |       | Li + 10         | 2          |
|        | AN.31               |       | Hi + 10         | 2          |
|        | AN. 53 P/<br>AN. 21 |       | Li - 68         | 2          |
|        |                     |       | Hi - 96         | 2          |
|        | AN. 53 P/<br>AN. 31 |       | Li - 102        | 2          |
|        |                     |       | Hi - 130        | 2          |
|        | AQ.95               |       | Li - 120        | 1          |

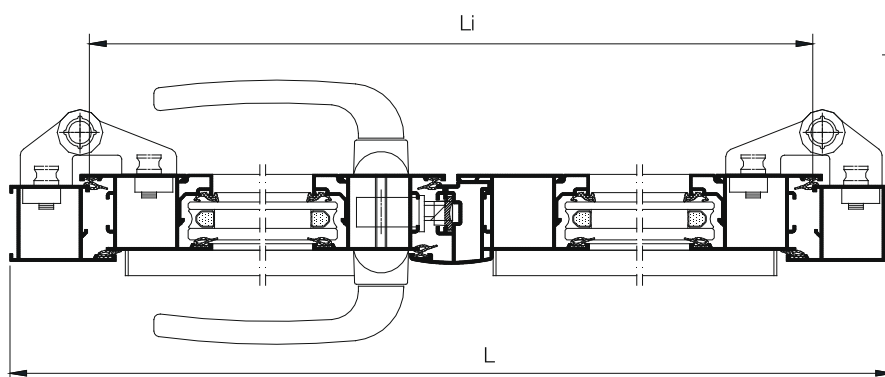
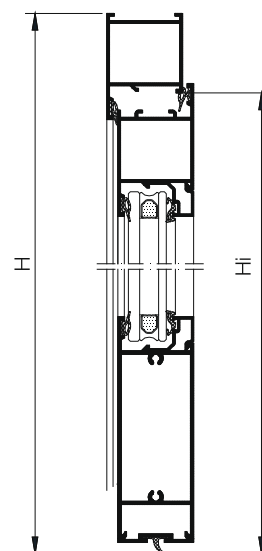
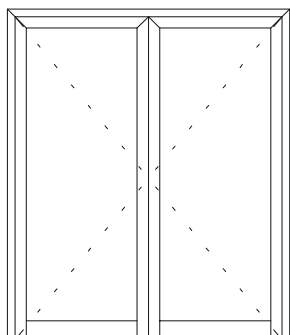


## PORTA DE UMA FOLHA



| perfil | referência | corte | medida de corte | quantidade |
|--------|------------|-------|-----------------|------------|
|        | AN.03      |       | L               | 1          |
|        |            |       | H               | 2          |
|        | AN.31      |       | Li + 10         | 1          |
|        |            |       | Hi - 1          | 2          |
|        | AN. 42     |       | Li - 95         | 1          |
|        | AN. 93     |       | Li - 95         | 1          |
|        | AN. 53     |       | Li - 102        | 2          |
|        |            |       | Hi - 130        | 2          |
|        |            |       |                 |            |

## PORTA DE DUAS FOLHAS



| perfil | referência | corte | medida de corte   | quantidade |
|--------|------------|-------|-------------------|------------|
|        | AN.03      |       | L                 | 1          |
|        |            |       | H                 | 2          |
|        | AN.31      |       | $L_i + 10$        | 2          |
|        |            |       | $H_i - 1$         | 4          |
|        | AN. 42     |       | $(L_i - 206) / 2$ | 2          |
|        | AN. 93     |       | $(L_i - 206) / 2$ | 2          |
|        | AN. 53     |       | $(L_i - 220) / 2$ | 4          |
|        |            |       | $H_i - 130$       | 4          |
|        | AN.80      |       | $H_i - 25$        | 1          |
|        |            |       |                   |            |





📍 Rua Dr. José Bragança Tavares, 78 Fr. A  
4580-593 Paredes(Mouriz)  
☎ 255 781 548/49  
☎ 92 705 80 65  
✉ [nortalu@nortalu.com](mailto:nortalu@nortalu.com)



**[www.nortalu.pt](http://www.nortalu.pt)**



**[www.nortalu.com](http://www.nortalu.com)**



**[www.nortalu.fr](http://www.nortalu.fr)**