

N28 000
SISTEMA DE DESLIZO
BATENTE COM RPT

THERMALLY BROKEN OPEN
AND SLIDE SYSTEM

 **navarra**[®]
a marca do alumínio

catálogo geral 2025
general catalog 2025



enchimentos até 47 mm
Fillings up to 47 mm



permeabilidade ao ar
air permeability
Classe 4
Class 4



estanquidade à água
water tightness
Classe 9A
Class 9A



resistência ao vento
resistance to wind load
Classe C5
Class C5



transmissão térmica
thermal transmission
 $U_w=1,6 \text{ W/m}^2\text{K}$
 $U_g=1,0 \text{ W/m}^2\text{K}$



atenuação acústica
acoustic attenuation
 $R_w(C;Ctr)=38(-1;-3)\text{dB}$
área total da janela $\leq 4\text{m}^2$
total window area $\leq 4 \text{ m}^2$
insulating glazing unit $R_w = 40(C;-4)$
insulating glazing unit $R_w = 40(C;-4)$



aro fixo: 131 mm.

folha: 68 milímetros.

vidro: até 47 milímetros.

acessórios: vasta gama de acessórios devidamente testados e recomendados pela navarra®.

tratamento térmico: T5

tratamentos de superfície: anodização, lacagem, sublimação.

acabamento de superfície anodização: acetinado, polido.

acabamento de superfície lacagem: brilhante, mate, texturado, bicolor (interior/exterior).

acabamento de superfície sublimação: efeito madeira brilhante, efeito madeira texturado.

poliamida: de 20 a 24 milímetros.

outer frame: 131 mm.

vent frame: 68 millimeters.

glazing: up to 47 millimeters.

accessories: wide range of accessories properly tested and recommended by navarra®.

thermal treatment: T5

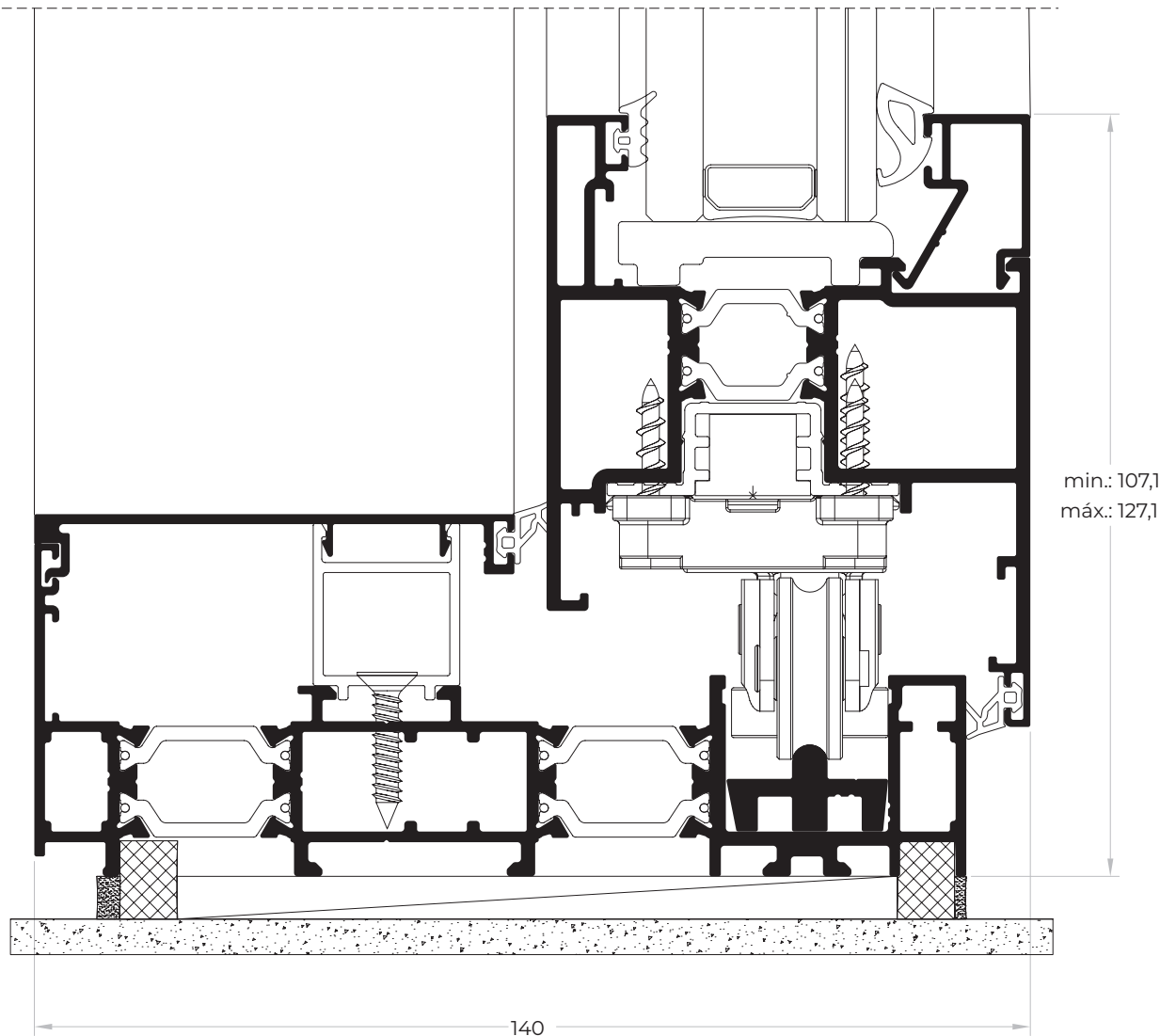
surface treatment: anodizing, lacquering, sublimation
anodizing surface finish: satin, polished

lacquering surface finishing: bright, matt, textured,
dual colour (interior / exterior).

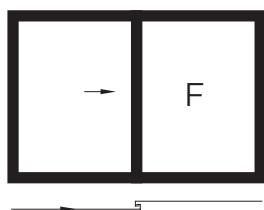
sublimation surface finishing: bright wood effect, textured wood effect

polyamida: 20 a 24 mm.

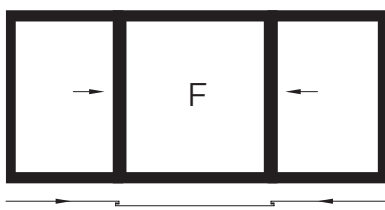
PORMENOR 2D
2D DETAIL



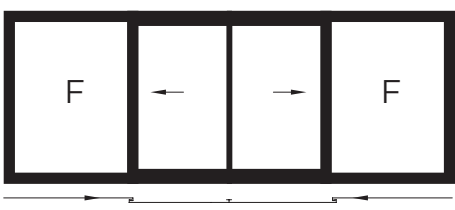
TIPOLOGIAS DOS VÃOS
FRAMES TYPOLOGY



JANELA DESLIZO BATENTE 1 FOLHA + FIXO
1 SASH OPEN AND SLIDE WINDOW + FIXED



JANELA DESLIZO BATENTE 2 FOLHAS + FIXO
2 SASHES OPEN AND SLIDE WINDOW + FIXED

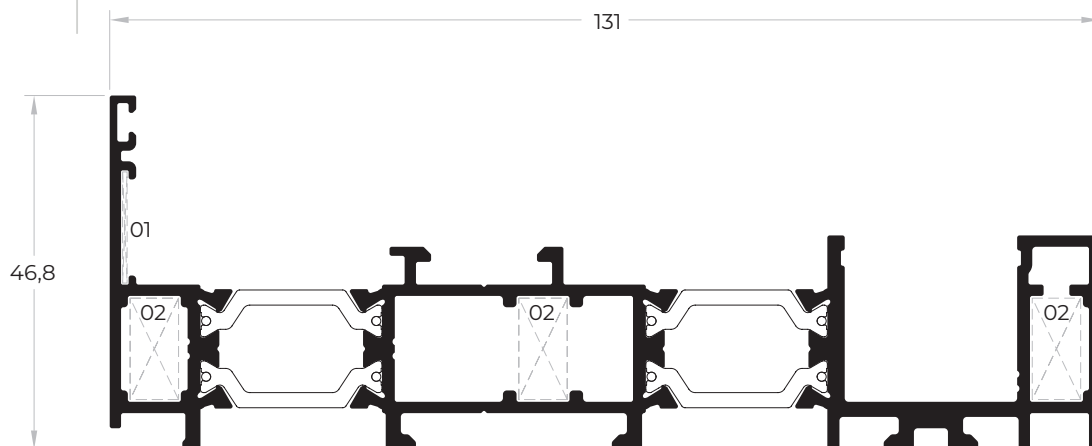


JANELA DESLIZO BATENTE 2 FOLHAS + 2 FIXO LATERAIS
2 SASHES OPEN AND SLIDE WINDOW + 2 LATERAL FIXED

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PERFIS AROS FIXOS
OUTER FRAMES PROFILES



ref: **n28 001**

momento de inércia:

moment of inertia:

$I_x = 5,914 \text{ cm}^4$

$I_y = 129,276 \text{ cm}^4$

esquadros:

corner cleats:

01 - ESQ.0060

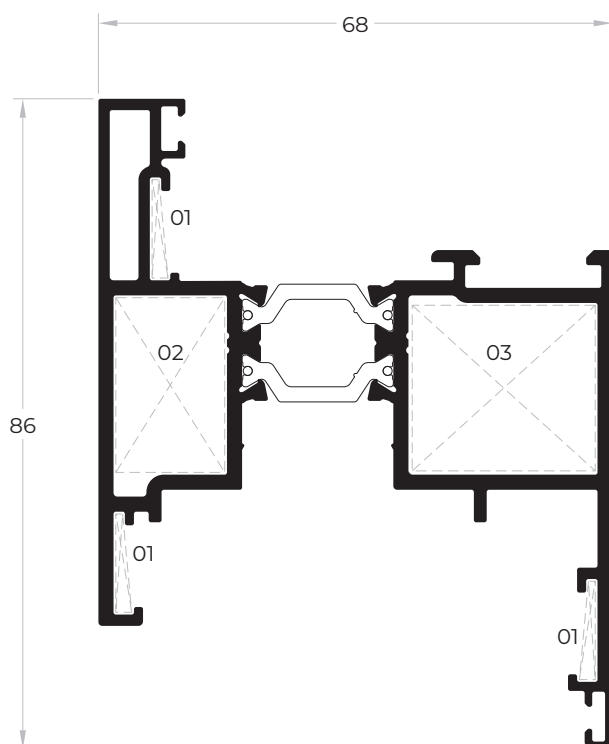
02 - ESQ.0203

ref: **n28 001**

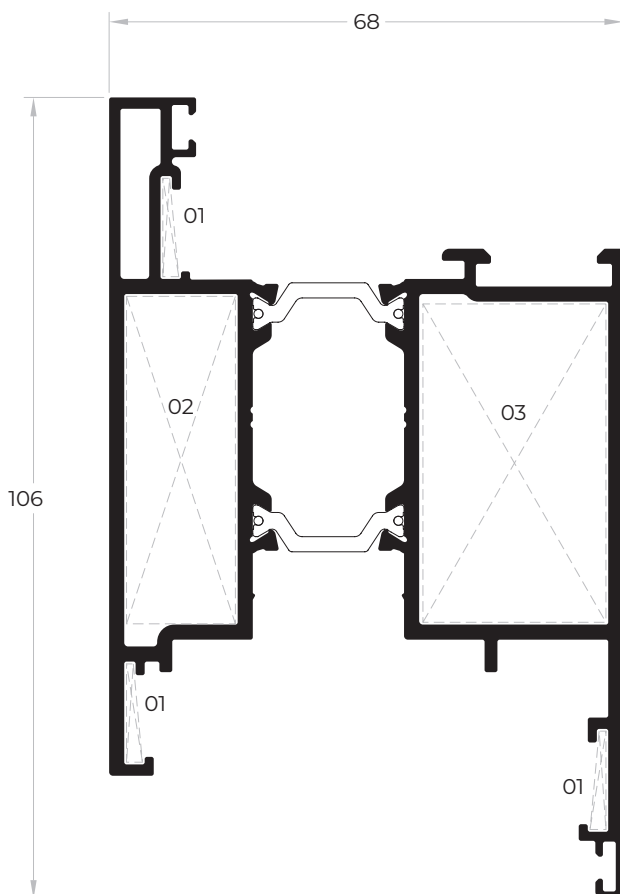


PERFIS AROS MÓVEIS

VENT FRAMES PROFILES



ref: **n28 022**



ref: **n28 032**

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ref: **n28 022**

momento de inércia:

moment of inertia:

$I_x = 19,956 \text{ cm}^4$

$I_y = 36,535 \text{ cm}^4$

esquadros:

corner cleats:

01 - ESQ.0093

02 - ESQ.0214

03 - ESQ.0215

ref: **n28 032**

momento de inércia:

moment of inertia:

$I_x = 44,730 \text{ cm}^4$

$I_y = 44,405 \text{ cm}^4$

esquadros:

corner cleats:

01 - ESQ.0093

02 - ESQ.0216

03 - ESQ.0217

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SISTEMA DE DESLIZO
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ref: **n28 011**

momento de inércia:

moment of inertia:

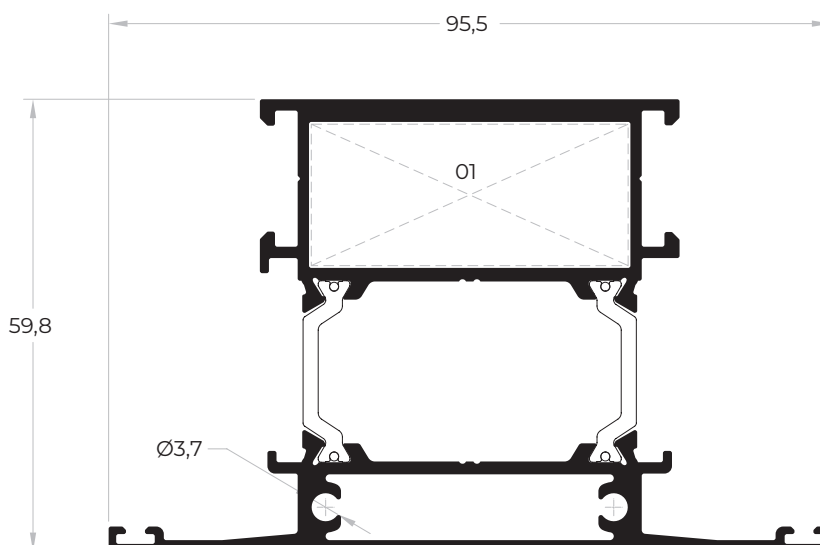
$I_x = 27,557 \text{ cm}^4$

$I_y = 29,549 \text{ cm}^4$

união:

t-cleat:

01 - TPO.0014



ref: **n28 011**

ref: **n28 012**

momento de inércia:

moment of inertia:

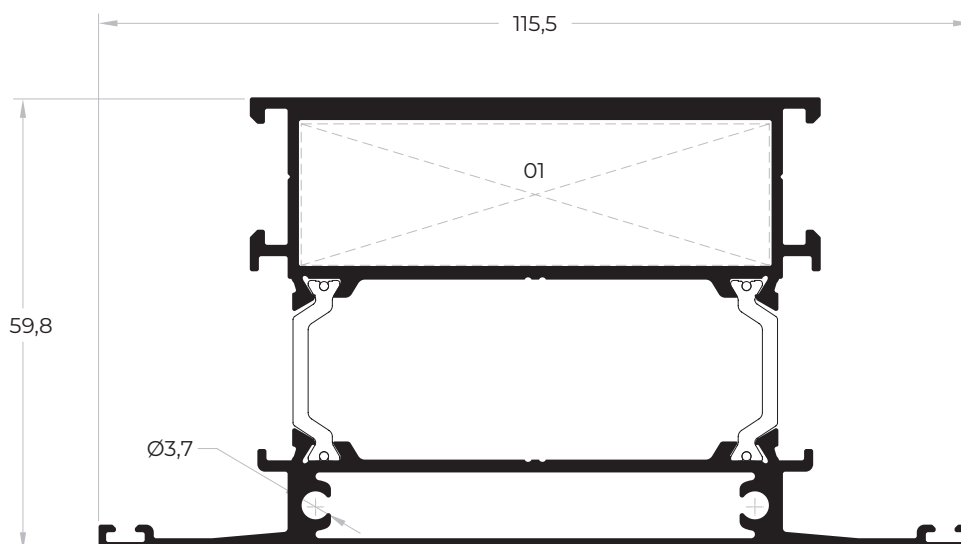
$I_x = 58,874 \text{ cm}^4$

$I_y = 36,885 \text{ cm}^4$

união:

t-cleat:

01 - TPO.0012



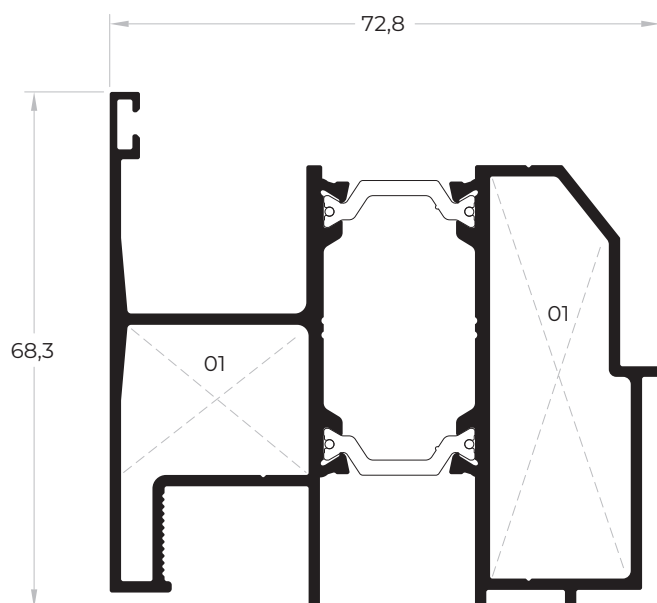
ref: **n28 012**





PERFIL INVERSOR

DUMMY MULLION PROFILE



ref: **n28 071**

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SISTEMA DE DESLIZO
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ref: **n28 071**

momento de inércia:

moment of inertia:

$I_x = 19,346 \text{ cm}^4$

$I_y = 28,297 \text{ cm}^4$

topo inversor:

plastic cap:

01 - TPO.0390

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ref: **n31 965**

momento de inércia:

moment of inertia:

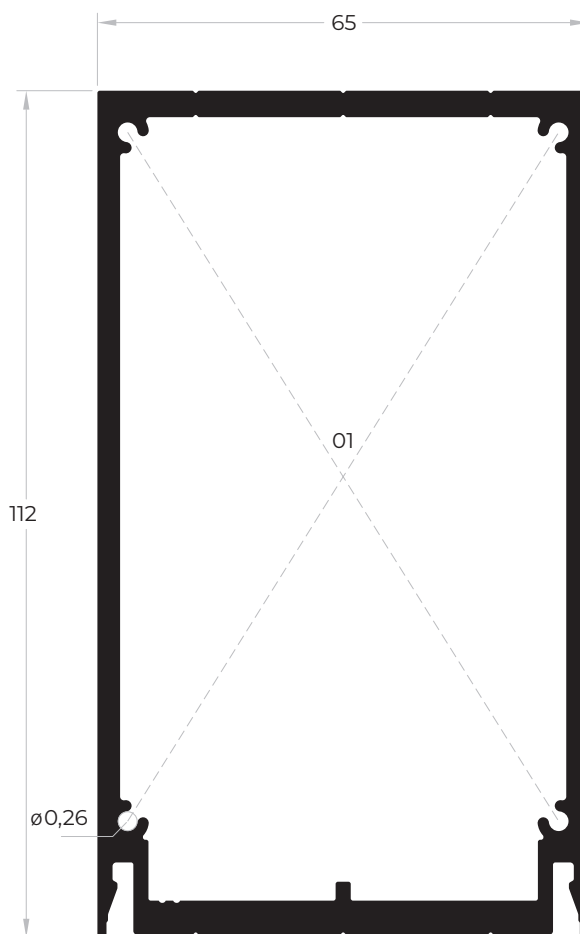
$I_x = 211,566 \text{ cm}^4$

$I_y = 80,408 \text{ cm}^4$

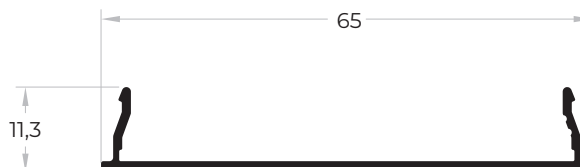
topo:

plastic cap:

01 - TPO.0389



ref: **n31 965**



ref: **n31 966**

ref: **n31 966**

momento de inércia:

moment of inertia:

$I_x = 0,083 \text{ cm}^4$

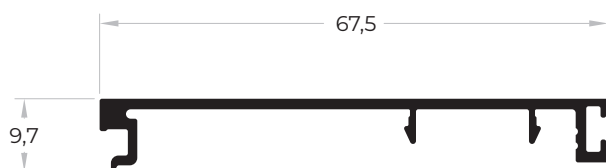
$I_y = 5,456 \text{ cm}^4$



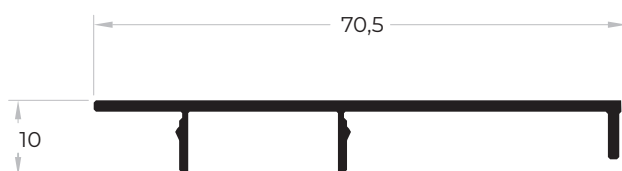


PERFIS COMPLEMENTARES

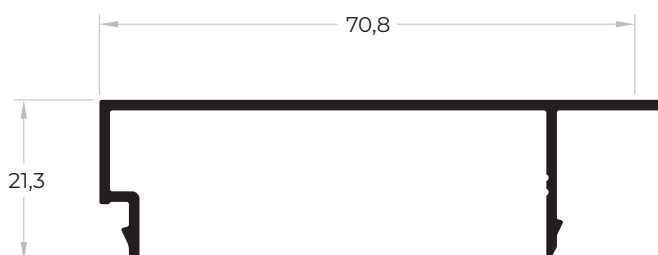
ADDITIONAL PROFILES



ref: **n28 091**



ref: **n28 093**



ref: **n28 094**

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ref: **n28 091**
momento de inércia:
moment of inertia:
 $I_x = 0,070 \text{ cm}^4$
 $I_y = 7,371 \text{ cm}^4$

ref: **n28 093**
momento de inércia:
moment of inertia:
 $I_x = 0,067 \text{ cm}^4$
 $I_y = 5,925 \text{ cm}^4$

ref: **n28 094**
momento de inércia:
moment of inertia:
 $I_x = 0,640 \text{ cm}^4$
 $I_y = 10,229 \text{ cm}^4$

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ref: **n28 095**

momento de inércia:

moment of inertia:

$I_x = 2,952 \text{ cm}^4$

$I_y = 2,129 \text{ cm}^4$

ref: **n28 096**

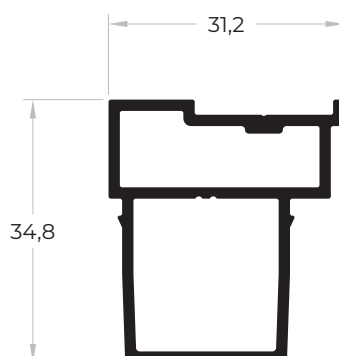
momento de inércia:

moment of inertia:

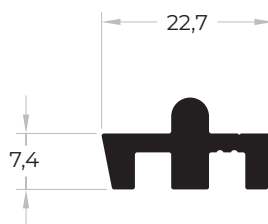
$I_x = 0,104 \text{ cm}^4$

$I_y = 0,511 \text{ cm}^4$

PERFIS COMPLEMENTARES
ADDITIONAL PROFILES



ref: **n28 095**

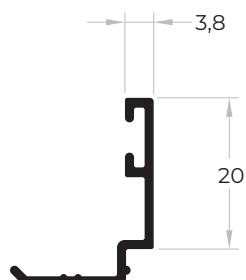


ref: **n28 096**

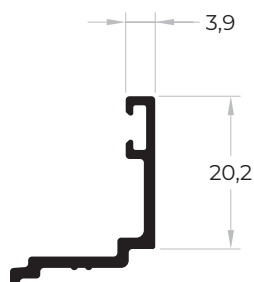


PERFIS BITES

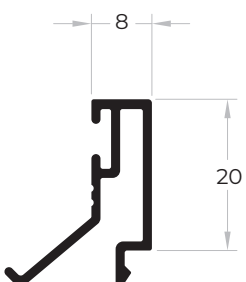
GLAZING BEADS PROFILES



ref: **n12 051**



ref: **n12 156**



ref: **n12 050**

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AND SLIDE SYSTEM

ref: **n12 051**

momento de inércia:

moment of inertia:

$I_x = 0,453 \text{ cm}^4$

$I_y = 0,174 \text{ cm}^4$

ref: **n12 156**

momento de inércia:

moment of inertia:

$I_x = 0,774 \text{ cm}^4$

$I_y = 1,596 \text{ cm}^4$

ref: **n12 050**

momento de inércia:

moment of inertia:

$I_x = 0,525 \text{ cm}^4$

$I_y = 0,208 \text{ cm}^4$

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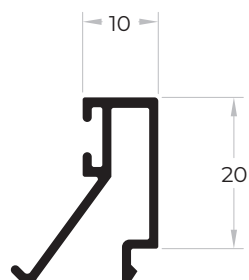
ref: **n12 052**

momento de inércia:

moment of inertia:

$I_x = 0,453 \text{ cm}^4$

$I_y = 0,174 \text{ cm}^4$



ref: **n12 052**

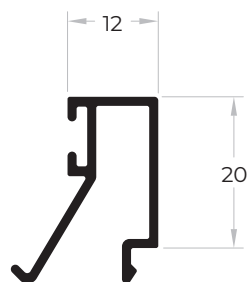
ref: **n12 053**

momento de inércia:

moment of inertia:

$I_x = 0,556 \text{ cm}^4$

$I_y = 0,260 \text{ cm}^4$



ref: **n12 053**

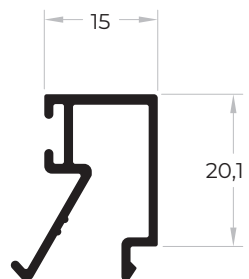
ref: **n12 058**

momento de inércia:

moment of inertia:

$I_x = 0,607 \text{ cm}^4$

$I_y = 0,324 \text{ cm}^4$



ref: **n12 058**

PERFIS BITES
GLAZING BEADS PROFILES



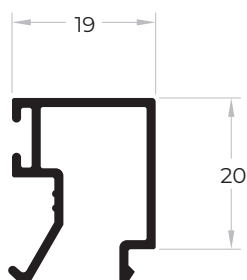


PERFIS BITES

GLAZING BEADS PROFILES

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ref: **n12 054**

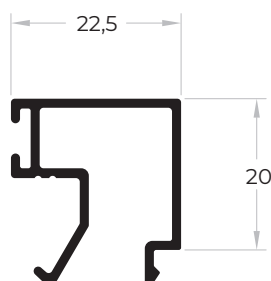
ref: **n12 054**

momento de inércia:

moment of inertia:

$I_x = 0,636 \text{ cm}^4$

$I_y = 0,462 \text{ cm}^4$



ref: **n12 059**

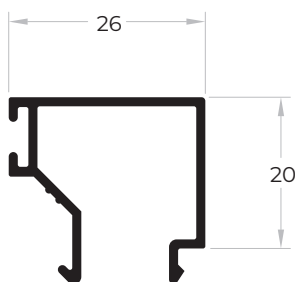
ref: **n12 059**

momento de inércia:

moment of inertia:

$I_x = 0,825 \text{ cm}^4$

$I_y = 6,607 \text{ cm}^4$



ref: **n12 055**

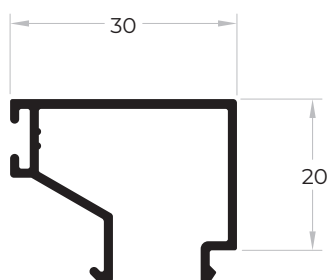
ref: **n12 055**

momento de inércia:

moment of inertia:

$I_x = 0,696 \text{ cm}^4$

$I_y = 0,908 \text{ cm}^4$



ref: **n12 157**

ref: **n12 157**

momento de inércia:

moment of inertia:

$I_x = 0,757 \text{ cm}^4$

$I_y = 1,272 \text{ cm}^4$

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SISTEMA DE DESLIZO
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THERMAL BROKEN OPEN
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ref: **n12 056**

momento de inércia:

moment of inertia:

$I_x = 0,774 \text{ cm}^4$

$I_y = 1,596 \text{ cm}^4$

ref: **n12 057**

momento de inércia:

moment of inertia:

$I_x = 0,869 \text{ cm}^4$

$I_y = 2,391 \text{ cm}^4$

ref: **n12 060**

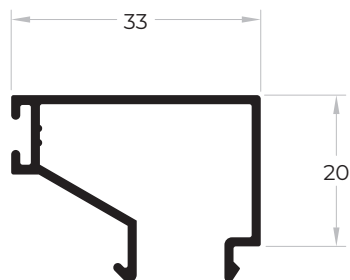
momento de inércia:

moment of inertia:

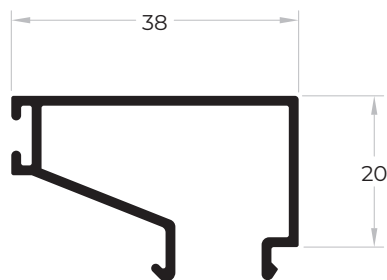
$I_x = 0,936 \text{ cm}^4$

$I_y = 3,475 \text{ cm}^4$

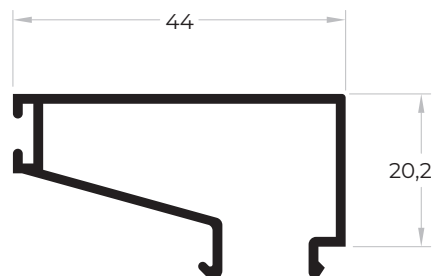
PERFIS BITES
GLAZING BEADS PROFILE



ref: **n12 056**



ref: **n12 057**



ref: **n12 060**

BITES - CAIXAS DE VIDRO

GLAZING BEADS - GLAZING DEPTHS

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SISTEMA DE DESLIZO
BATENTE COM RPT
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VEDANTE VIDRO
EXTERIOR EPDM
EXTERIOR GASKET
EPDM



VEDANTE VIDRO
INTERIOR EPDM
INTERIOR GASKET
EPDM



VED.0204



VED.0203

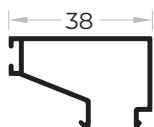


VED.0185

BITES
GLAZING BEAD

CAIXA DE VIDRO
GLAZING DEPTH

ref: **n12 057**

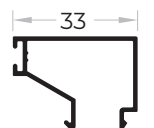


9-10

11

-

ref: **n12 056**

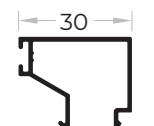


14-15

16

-

ref: **n12 157**

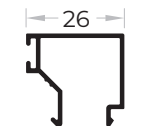


17-18

19-20

-

ref: **n12 055**

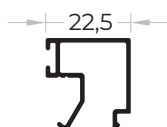


21-22

23

-

ref: **n12 059**

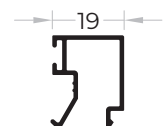


24-25

26

-

ref: **n12 054**

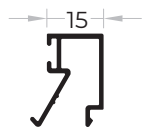


28-29

30

-

ref: **n12 058**

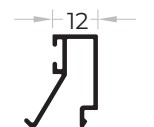


32-33

34

-

ref: **n12 053**

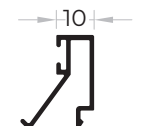


35-36

37

-

ref: **n12 052**

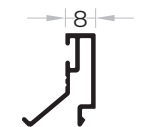


37-38

39

-

ref: **n12 050**

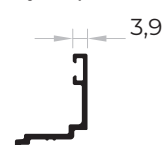


39-40

41

-

ref: **n12 156**



43-44

45-46

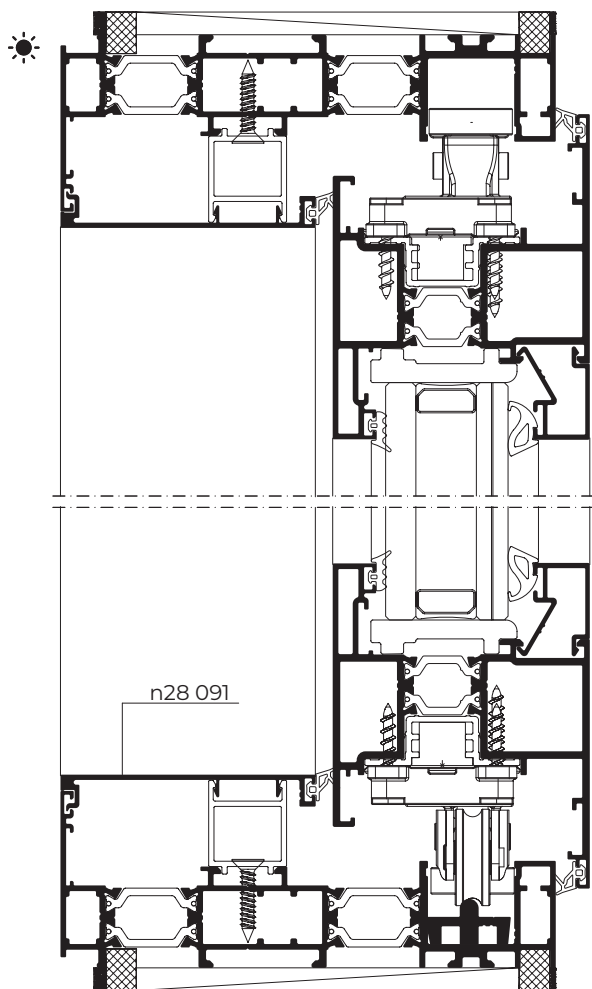
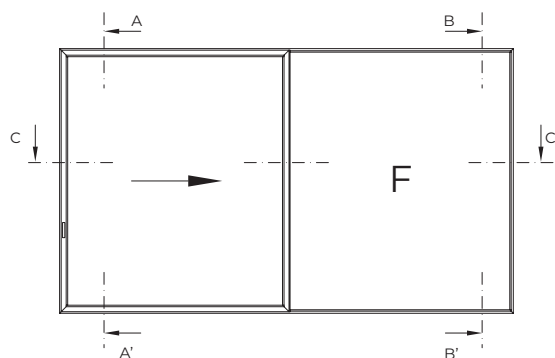
47

[escala scale 1:2]

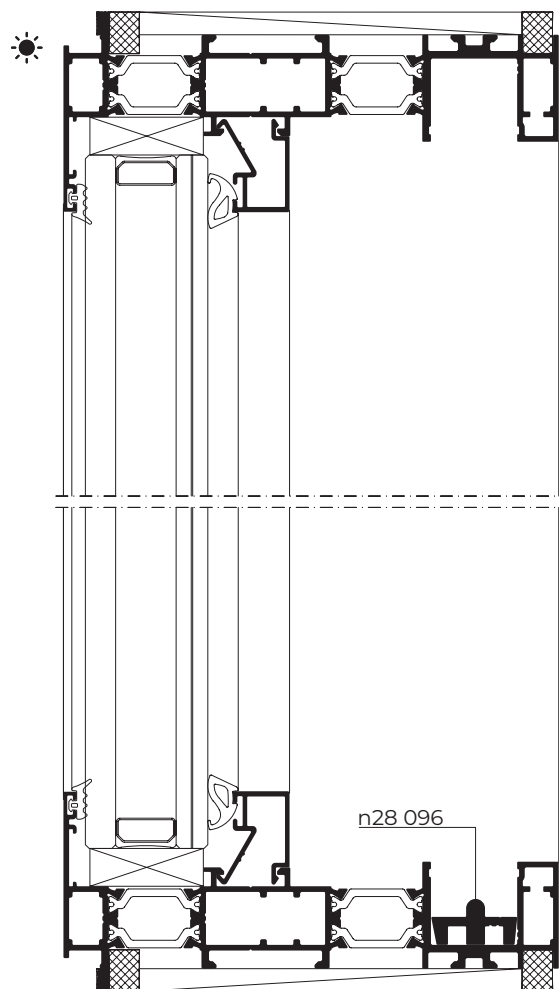
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JANELA DESLIZO BATENTE 1 FOLHA + 1 FIXO
OPEN AND SLIDE WINDOW WITH 1 SASH + 1 FIXED



Corte A-A'
Section A-A'



Corte B-B'
Section B-B'

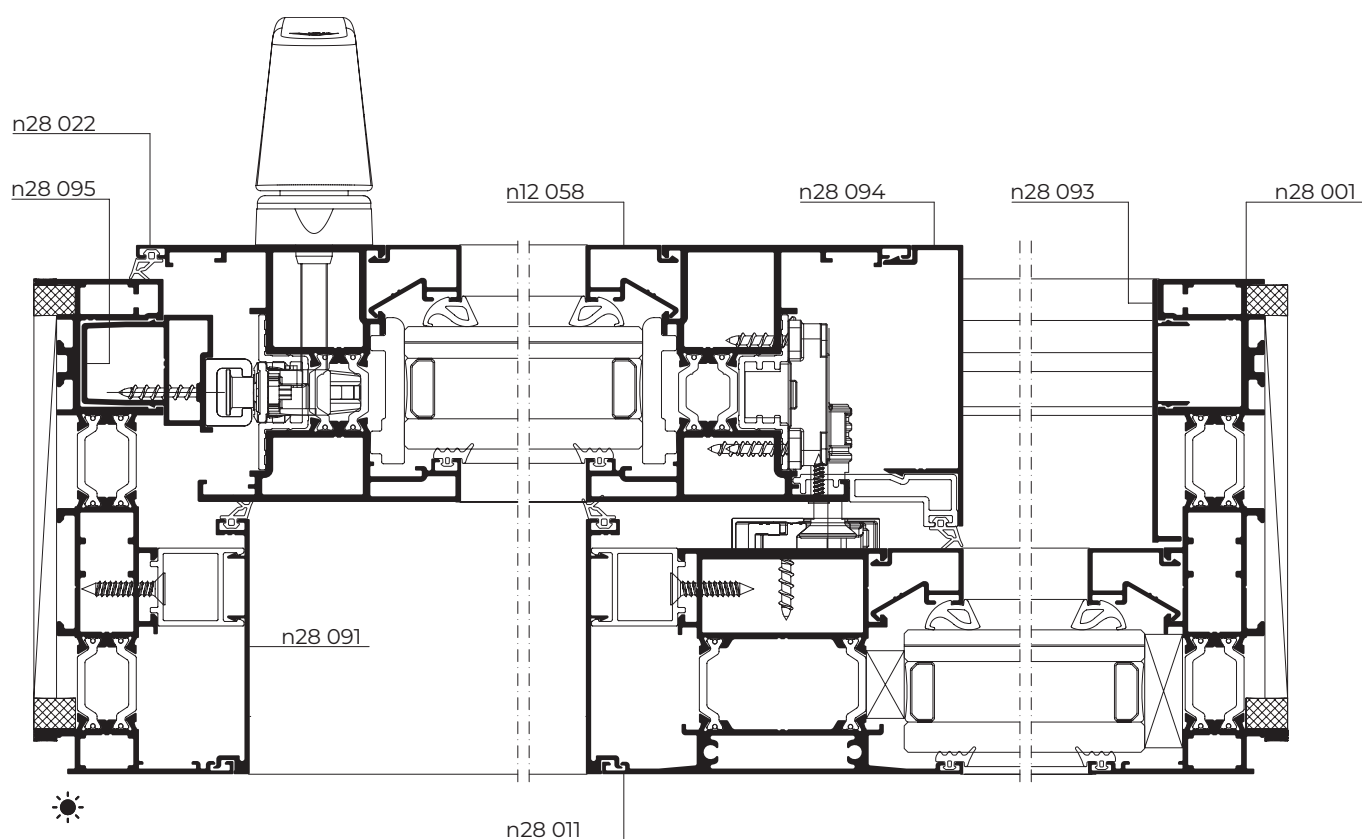
[escala scale 1:2]

JANELA DESLIZO BATENTE 1 FOLHA + 1 FIXO

OPEN AND SLIDE WINDOW WITH 1 SASH + 1 FIXED

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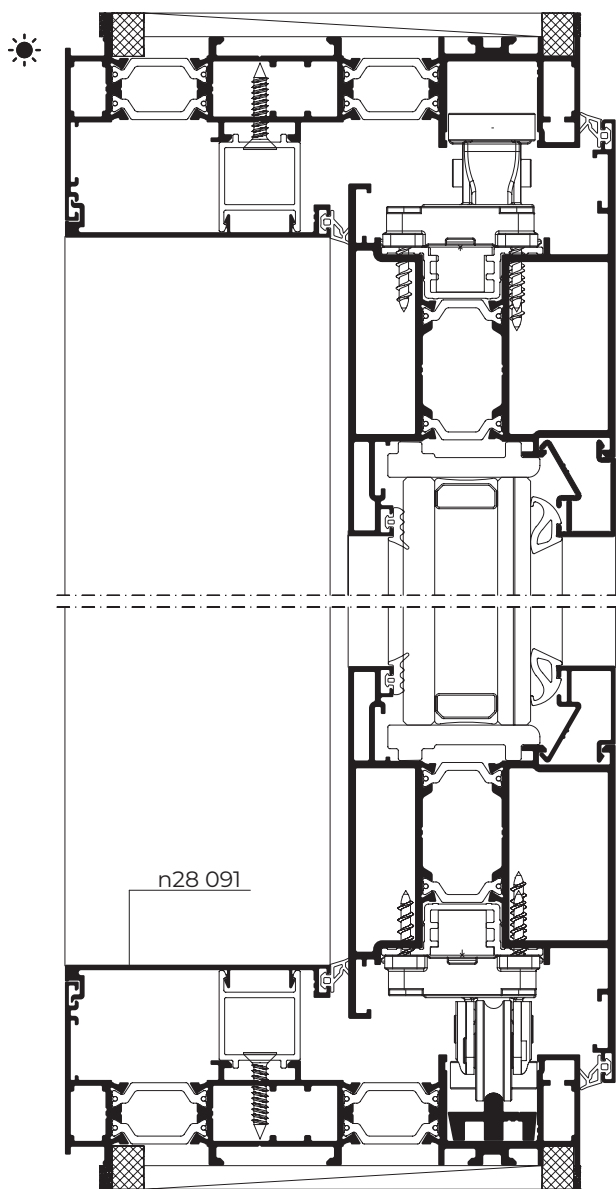
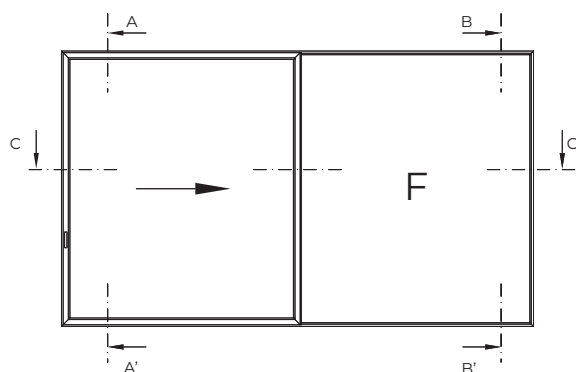
Corte C-C'
Section C-C'

[escala scale 1:2]

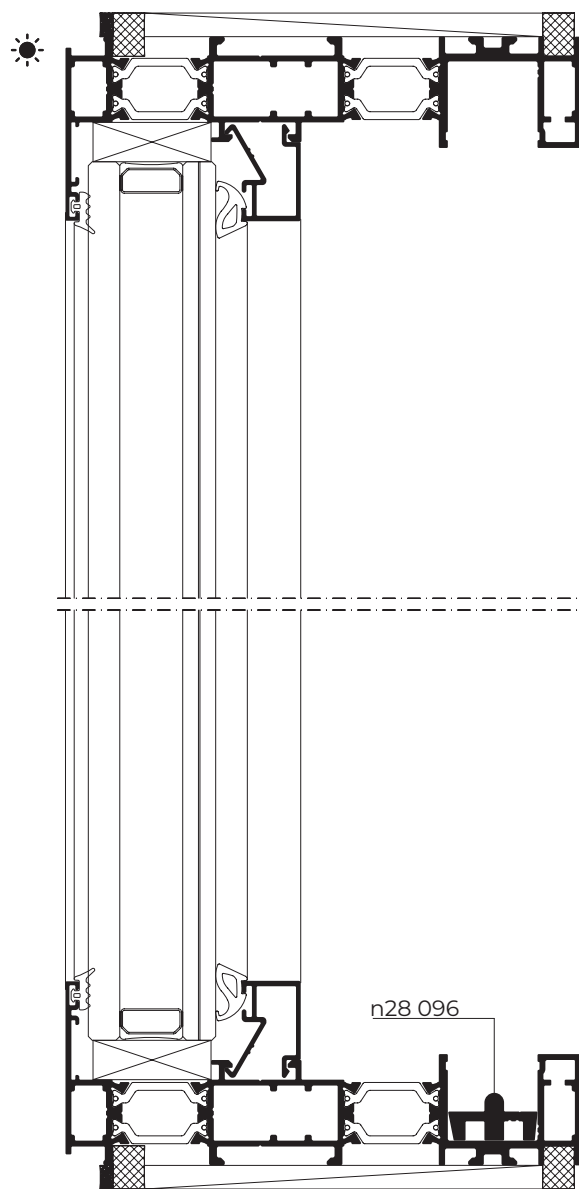
N28 000

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THERMAL BROKEN OPEN
AND SLIDE SYSTEM

JANELA DESLIZO BATENTE 1 FOLHA + 1 FIXO
OPEN AND SLIDE WINDOW WITH 1 SASH + 1 FIXED



Corte A-A'
Section A-A'



Corte B-B'
Section B-B'

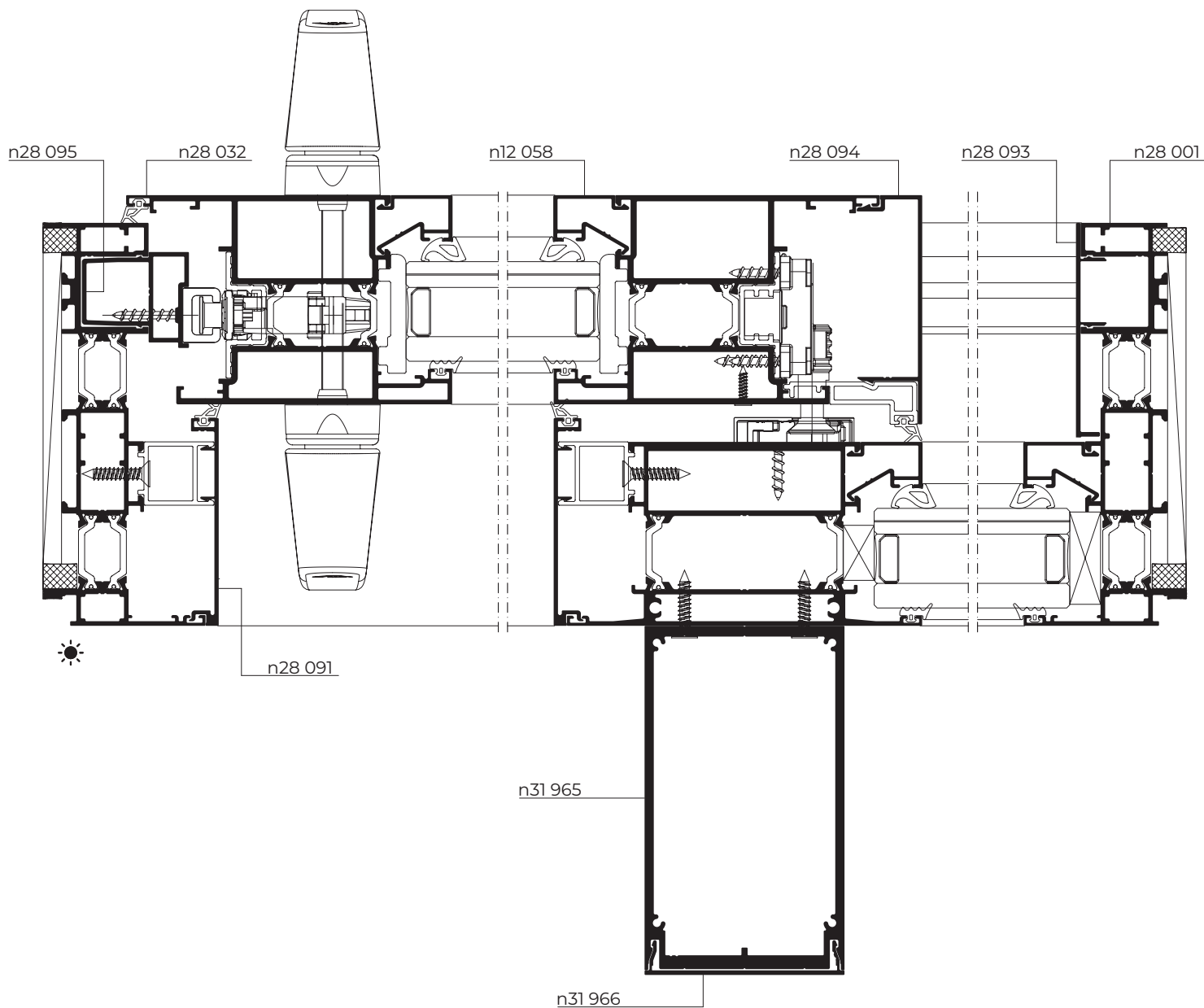
[escala scale 1:2]

JANELA DESLIZO BATENTE 1 FOLHA + 1 FIXO

OPEN AND SLIDE WINDOW WITH 1 SASH + 1 FIXED

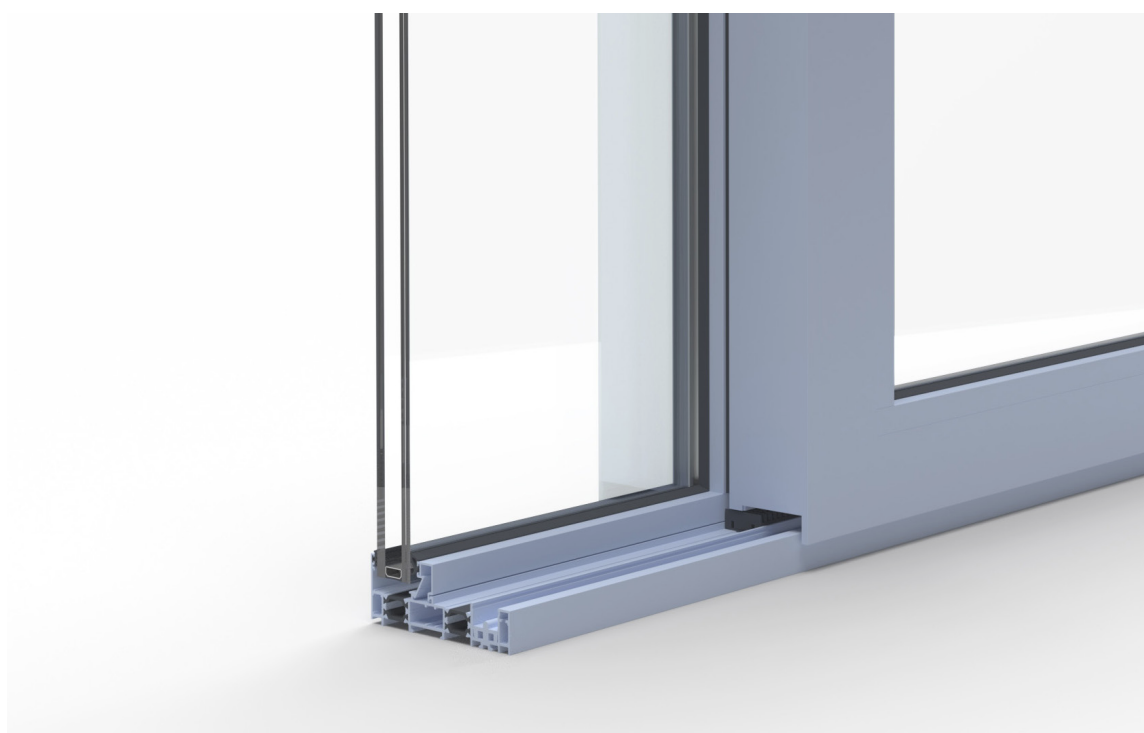
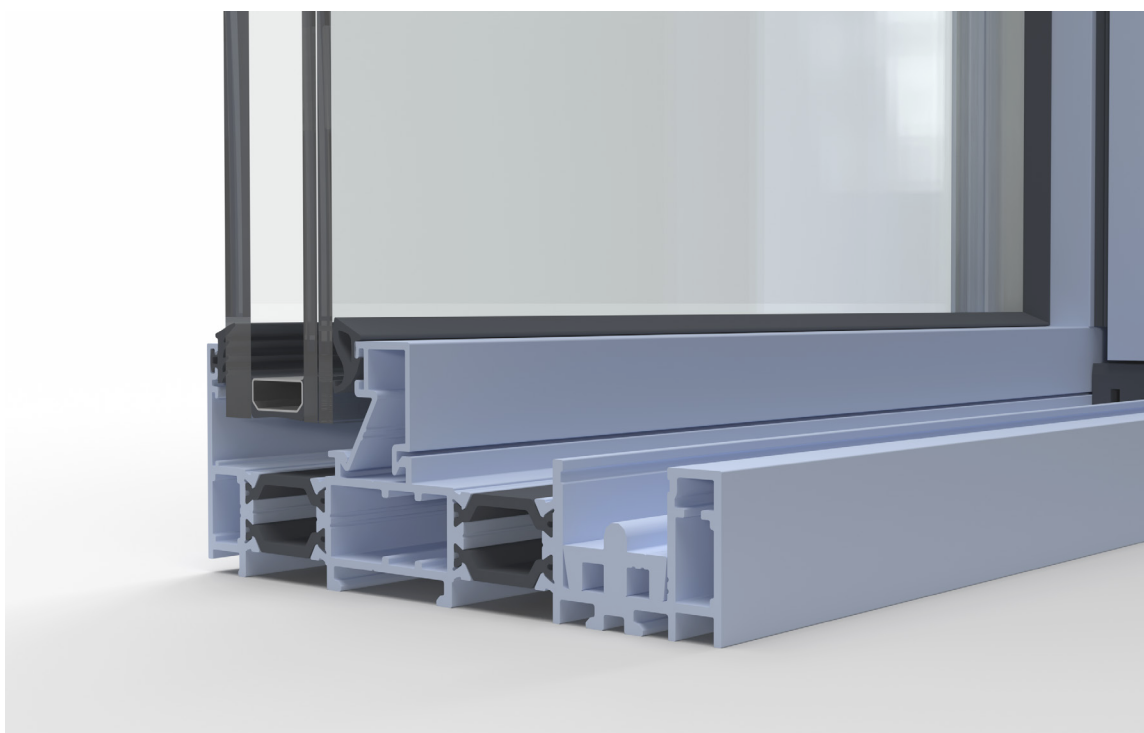
N28 000

SISTEMA DE DESLIZO
BATENTE COM RPT
THERMAL BROKEN OPEN
AND SLIDE SYSTEM



Corte C-C'
Section C-C'

[escala scale 1:2]



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COORDENADAS GPS | GPS COORDINATES
41° 36 ' 10.582" N
8° 22 ' 52.554" W

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COORDENADAS GPS | GPS LOCATION
38° 46 ' 17.4" N
9° 05 ' 44.4" W

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