

# FACE

Automatic Doors

ENGLISH

## ASSEMBLY MANUAL FOR SLIDING DOORS FRAME



## SF30 Sliding Door Profile System

The SF30 Sliding Door Profile System are certified EN16005 by TÜV THÜRINGEN

|                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Type tested<br/>DIN EN 16005, DIN 18650-1/2</p> <ul style="list-style-type: none"><li>• open and close safe</li></ul> <p>ID P-4070/15</p> <p>www.tuev-thueringen.de</p> |  <p>Type tested<br/>DIN EN 16005, DIN 18650-1/2, AutSchR</p> <ul style="list-style-type: none"><li>• escape route safe</li><li>• open and close safe</li></ul> <p>ID P-4071/15</p> <p>www.tuev-thueringen.de</p> |
| SL4A – SL5A – SL6A                                                                                                                                                                                                                                             | SL4E – SL5E – SL6E                                                                                                                                                                                                                                                                                    |
|  <p>Type tested<br/>DIN EN 16005, DIN 18650-1/2</p> <ul style="list-style-type: none"><li>• open and close safe</li></ul> <p>ID P-4081/16</p> <p>www.tuev-thueringen.de</p> |  <p>Type tested<br/>DIN EN 16005, DIN 18650-1/2, AutSchR</p> <ul style="list-style-type: none"><li>• escape route safe</li><li>• open and close safe</li></ul> <p>ID P-4082/16</p> <p>www.tuev-thueringen.de</p> |
| SLTA                                                                                                                                                                                                                                                           | SLTE                                                                                                                                                                                                                                                                                                  |

## 1. PRELIMINARY INFORMATION

The frames system for automatic sliding doors of the SF30 series have a thickness of 30 mm, and can house 2 types of glass (not supplied by us): 8-10 mm thickness, 20-22 mm thickness.

The vertical and horizontal sections comply with safety distances provided by the EN16005 European standard.

To facilitate the cutting list and the ordering of SF30 sliding door frames, FACE has developed a calculation program (SDC Sliding Door Configurator), available at [www.facespa.it](http://www.facespa.it) in the Download area.

## 2. ABBREVIATIONS

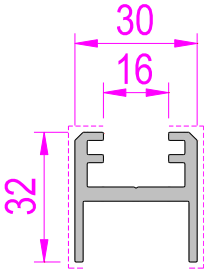
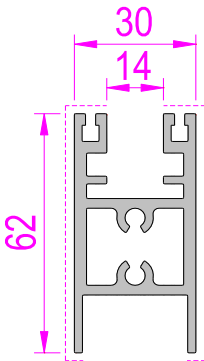
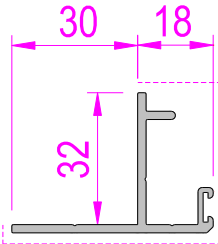
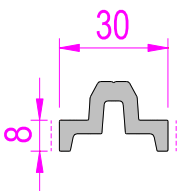
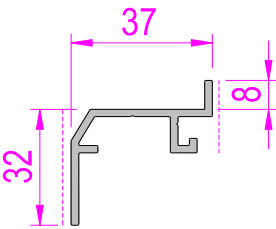
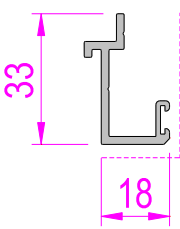
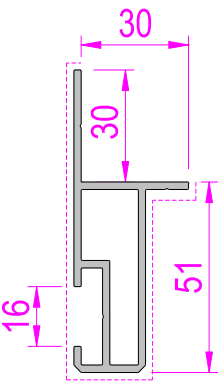
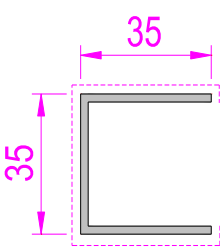
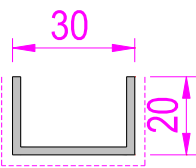
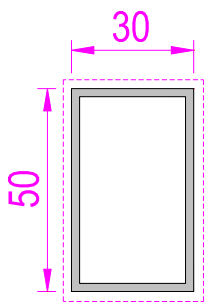
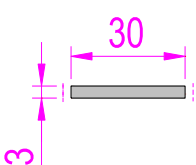
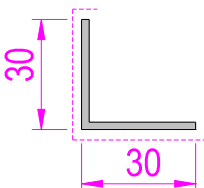
| Legend  | Description                                     |
|---------|-------------------------------------------------|
| L       | Width of wall opening                           |
| L1      | Width from left wall to the center of doorway   |
| L2      | Width from right wall to the center of doorway  |
| H       | Height of wall opening                          |
| Ld      | Automation length                               |
| Hd      | Installation height of automation               |
| La      | Doorway width                                   |
| Ha      | Doorway height                                  |
| Lm      | Door frame width (including gaskets)            |
| Lm2     | Telescopic door frame width (including gaskets) |
| Loo     | Leaf overlap of opening                         |
| Hm      | Door frame height                               |
| Ls1     | Left side wall width                            |
| Ls2     | Right side wall width                           |
| Hs      | Side wall height                                |
| H1      | Height of wall opening (fanlight)               |
| Hf      | Height of fanlight                              |
| Lf1÷Lf4 | Width of fanlight                               |
| Lss     | Width of side protection                        |
| Hss     | Height of side protection                       |
| Lg      | Glass width                                     |
| Hg      | Glass height                                    |

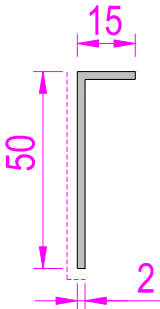
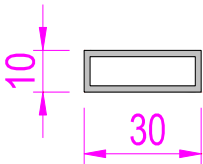
All data and information contained in this manual have been drawn up and checked with the greatest care. However FACE cannot take any responsibility for eventual errors, omissions or inaccuracies due to technical or illustrative purposes.

FACE reserves the right to make changes and improvements to their products. For this reason, the illustrations and the information appearing in this document are not definitive.

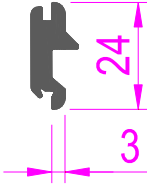
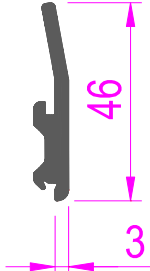
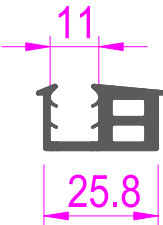
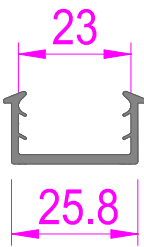
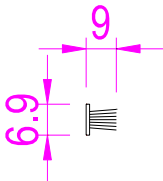
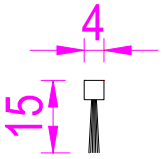
This edition of the manual cancels and replaces all previous versions. In case of modification will be issued a new edition.

## 2. LIST OF PROFILES

|                                                                                                                                                                                                        |                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>SF30A1</b><br/>Vertical profile in aluminum silver anodized.<br/>Bar of 5 m, weight 0,739 kg/m.</p>             | <p><b>SF30A2</b><br/>Horizontal profile in aluminum silver anodized.<br/>Bar of 6 m, weight 1,591 kg/m.</p>               |
| <p><b>SF30A3</b><br/>Frame profile in aluminum silver anodized.<br/>Bar of 5 m, weight 0,517 kg/m.</p>                | <p><b>SF30A4</b><br/>Lower profile on floor in aluminum silver anodized.<br/>Bar of 6 m, weight 0,542 kg/m.</p>           |
| <p><b>SF30A5</b><br/>Upper frame profile in aluminum silver anodized.<br/>Bar of 6 m, weight 0,505 kg/m.</p>          | <p><b>SF30A6</b><br/>Upper frame profile in aluminum silver anodized.<br/>Bar of 6 m, weight 0,365 kg/m.</p>              |
| <p><b>SF30A7</b><br/>Frame profile for 1 leaf in aluminum silver anodized.<br/>Bar of 5 m, weight 1,040 kg/m.</p>   | <p><b>K35352A60</b><br/>35x35x2 mm "U" profile in aluminum silver anodized.<br/>Bar of 6 m, weight 0,546 kg/m.</p>      |
| <p><b>K30202A60</b><br/>30x20x2 mm "U" profile in aluminum silver anodized.<br/>Bar of 6 m, weight 0,357 kg/m.</p>  | <p><b>K50302A60</b><br/>50x30x2 mm tubular profile in aluminum silver anodized.<br/>Bar of 6 m, weight 0,855 kg/m.</p>  |
| <p><b>K303A60</b><br/>30x3 mm flat profile in aluminum silver anodized.<br/>Bar of 6 m, weight 0,243 kg/m.</p>      | <p><b>K302A60</b><br/>30x30x2 mm "L" profile in aluminum silver anodized.<br/>Bar of 6 m, weight 0,314 kg/m.</p>        |

|                                                                                                           |                                                                                  |                                                                                                      |                                                                                    |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>K50152A60</b><br>50x15x2 mm “L” profile in aluminum silver anodized.<br>Bar of 6 m, weight 0,340 kg/m. |  | <b>K301015G60</b><br>30x10x1,5 mm tubular profile in raw aluminum.<br>Bar of 6 m, weight 0,300 kg/m. |  |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|

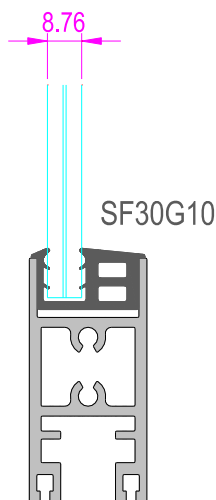
## 2.1 LIST OF GASKETS AND BRUSHES

|                                                                                          |                                                                                     |                                                                                          |                                                                                       |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>SF30G1</b><br>Gasket on the closing side in TPE 70 SH.A material.<br>Package of 50 m. |    | <b>SF30G2</b><br>Gasket on the opening side in TPE 70 SH.A material.<br>Package of 40 m. |    |
| <b>SF30G10</b><br>Gasket for glass 10 mm thickness.<br>Package of 50 m.                  |   | <b>SF30G22</b><br>Gasket for glass 22 mm thickness.<br>Package of 50 m.                  |   |
| <b>KSP699</b><br>Frame brush 6,9x9 mm.<br>Package of 225 m.                              |  | <b>KSP415</b><br>Lower brush 4x15 mm.<br>Bar of 2,5 m.                                   |  |

## 2.2 TYPES OF GLASS (NOT SUPPLIED BY US)

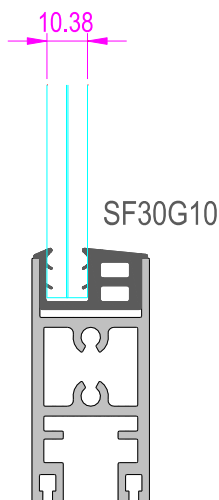
8

4 (glass) + 0,76 (pvb) + 4 (glass)



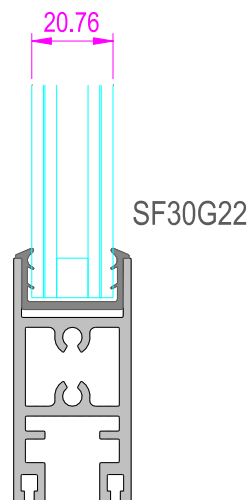
10

5 (glass) + 0,38 (pvb) + 5 (glass)



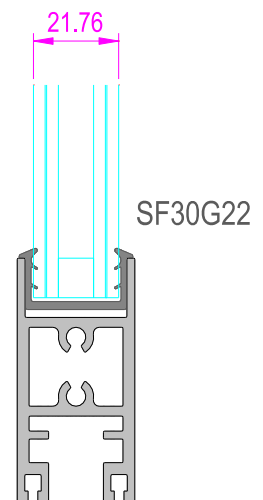
20

3 (glass) + 0,38 (pvb) + 3 (glass)  
8 (thermal insulation)  
3 (glass) + 0,38 (pvb) + 3 (glass)



22

3 (glass) + 0,38 (pvb) + 3 (glass)  
9 (thermal insulation)  
3 (glass) + 0,38 (pvb) + 3 (glass)



### 3. ASSEMBLY AND WORKING OF THE SLIDING LEAF

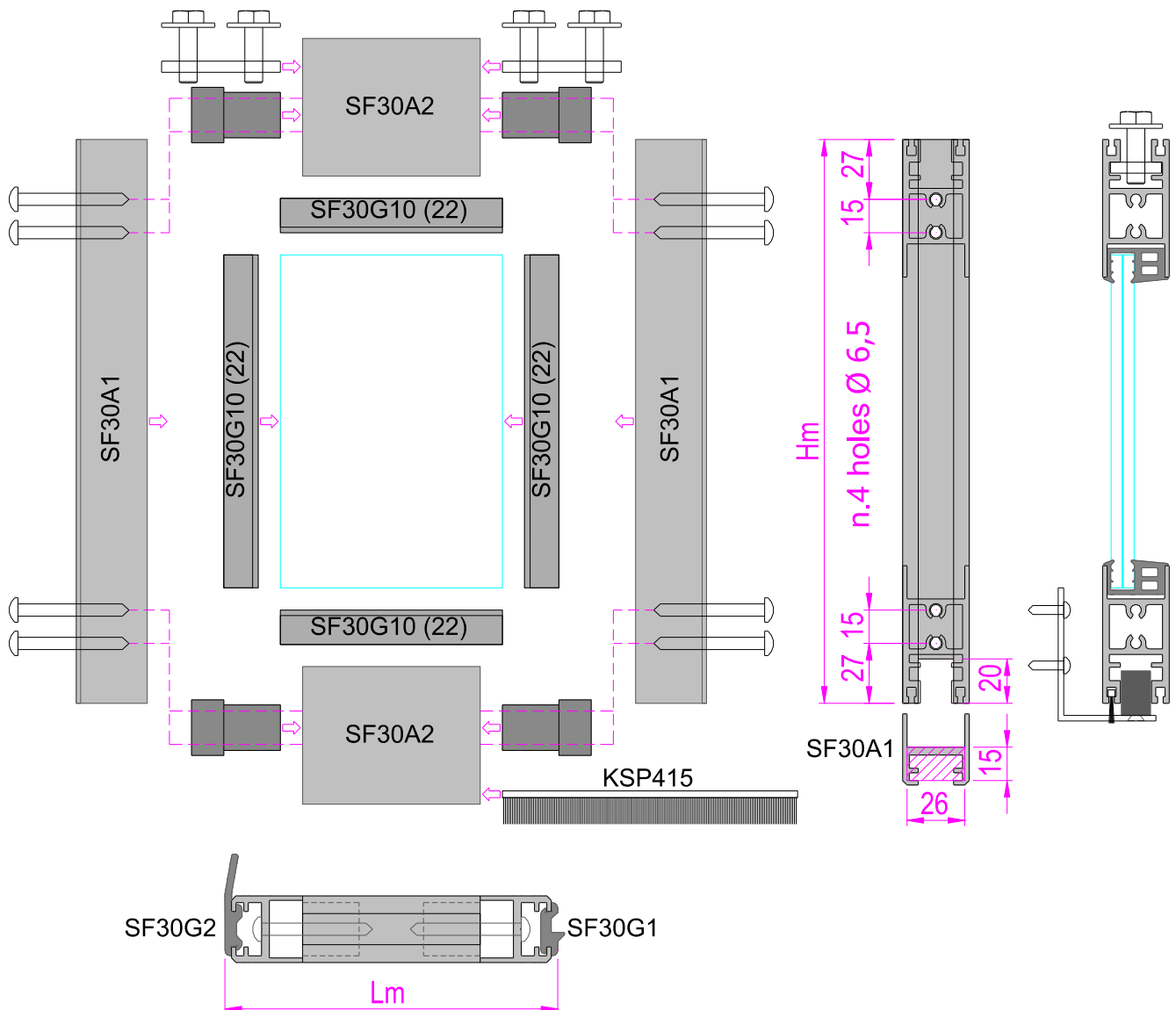
Cut the SF30A1 aluminum profiles to the Hm length. Perform on each of the aluminum profiles 4 holes, as shown in figure. In the lower part, perform milling to allow sliding of the floor pivot.

Cut the SF30A2 profiles to the size indicated in the cutting lists relating to the required door frame.

Insert the KSP415 brush into the SF30A2 profile on the lower side and insert the brackets for fixing to the carriages in the upper side of SF30A2 profile.

Use the kit of brackets and screws, assemble the aluminum profiles and 10 mm safety glass (or 22 mm), not supplied by us, using SF30G10 gasket (or SF30G22), as shown in figure.

After completing the assembly, insert the SF30G1 gasket closed side and the SF30G2 gasket open side in the SF30A1 aluminum profiles.



### 3.1 ASSEMBLY AND WORKING OF THE SIDE SCREEN

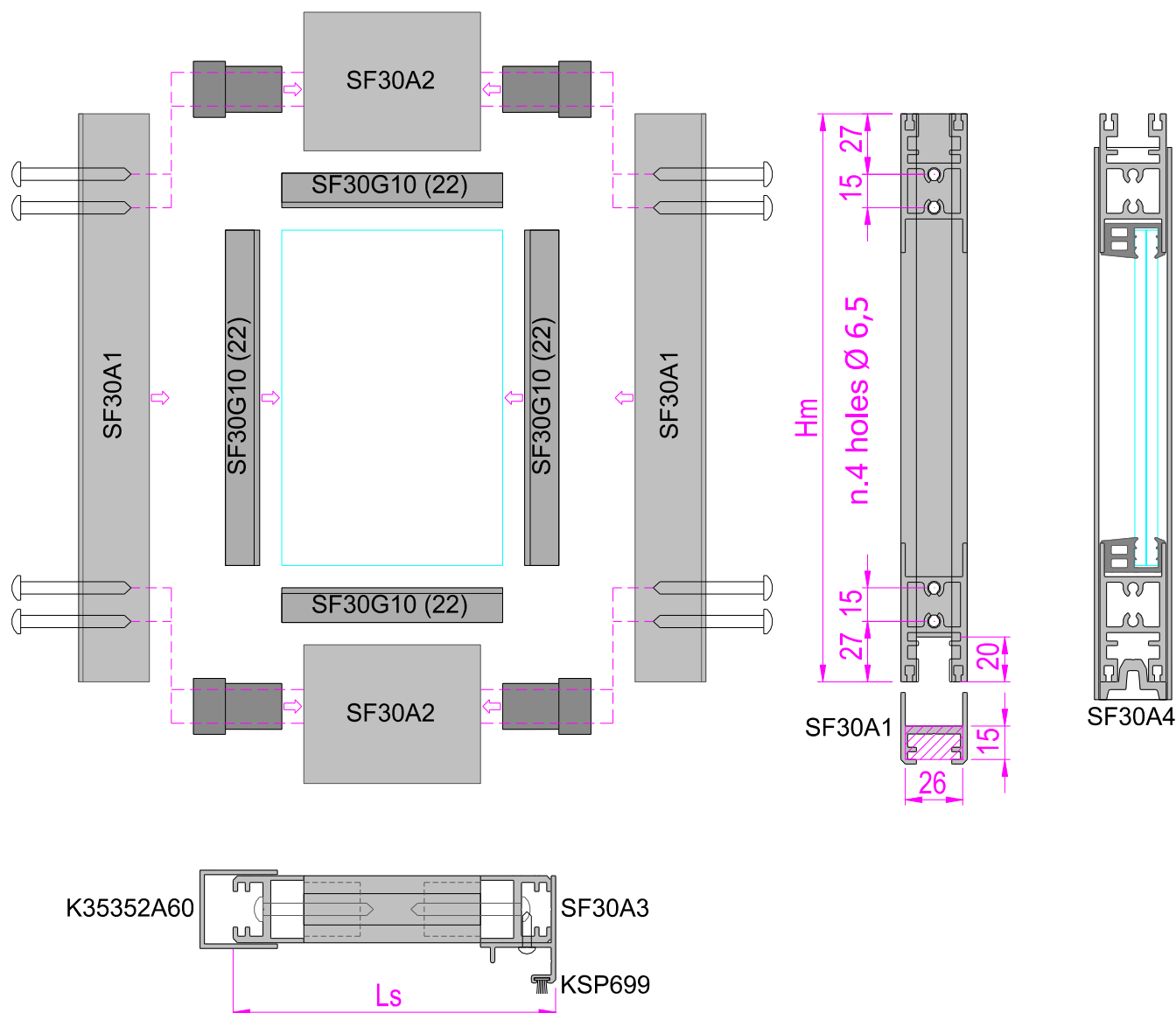
Cut the SF30A1 aluminum profiles to the Hs length. Perform on each of the aluminum profiles 4 holes, as shown in figure. In the lower part, perform milling to allow insertion into the SF30A4 profile.

Cut the SF30A2, SF30A4 and K35352A60 profiles to the size indicated in the cutting lists relative to the required door frame.

Cut the SF30A2, SF30A4 and K35352A60 profiles to the size indicated in the cutting lists relative to the required door frame.

Use the kit of brackets and screws, assemble the aluminum profiles and 10 mm safety glass (or 22 mm), not supplied by us, using SF30G10 gasket (or SF30G22), as shown in figure.

During the door installation phase, fix the SF30A3 profile as shown in the figure.



### 3.2 ASSEMBLY AND WORKING OF THE TELESCOPIC SLIDING LEAF

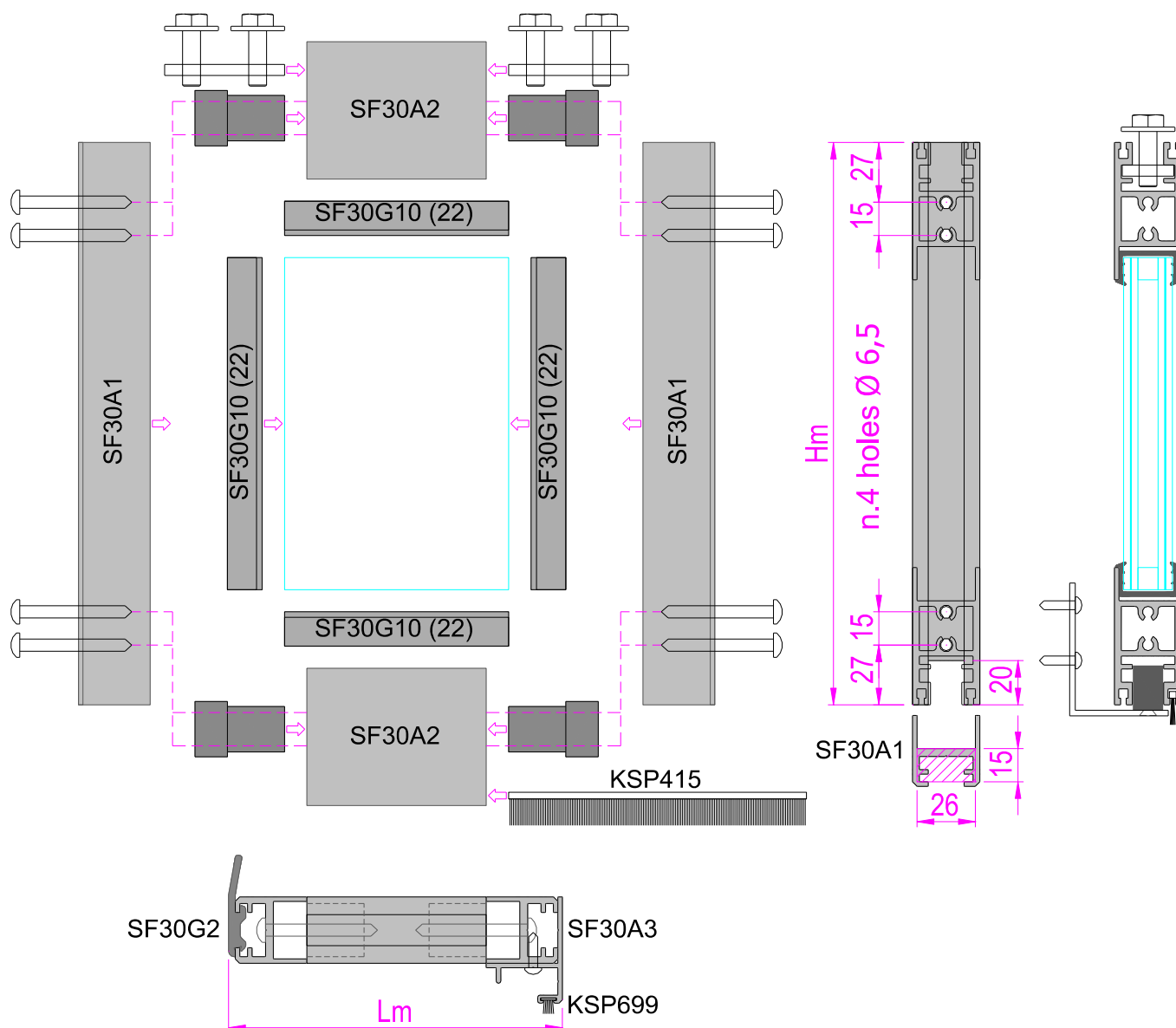
Cut the SF30A1 aluminum profiles to the Hm length. Perform on each of the aluminum profiles 4 holes, as shown in figure. In the lower part, perform milling to allow sliding of the floor pivot.

Cut the SF30A2 profiles to the size indicated in the cutting lists relating to the required door frame.

Insert the KSP415 brush into the SF30A2 profile on the lower side and insert the brackets for fixing to the carriages in the upper side of SF30A2 profile.

Use the kit of brackets and screws, assemble the aluminum profiles and 10 mm safety glass (or 22 mm), not supplied by us, using SF30G10 gasket (or SF30G22), as shown in figure.

After completing the assembly, insert the SF30G1 gasket closed side in the SF30A1 profile and fix the SF30A3 profile in the SF30A1 profile, as shown in figure.

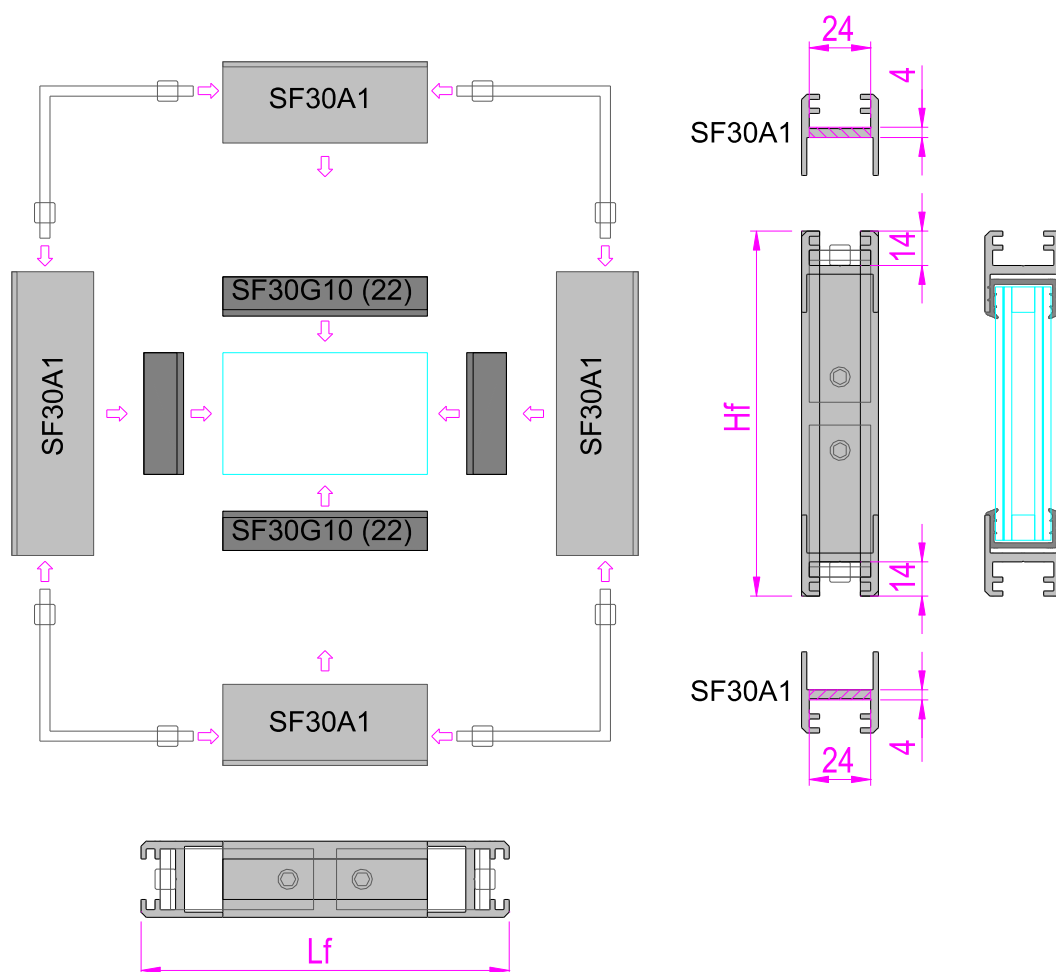


### 3.3 ASSEMBLY AND WORKING OF THE FANLIGHT

Cut two SF30A1 aluminum profiles to the Hf length. In the lower and upper part perform the milling to allow the insertion of the fixing bracket.

Cut two SF30A1 profiles to the size indicated in the cutting lists relating to the required fanlight.

Use the kit of brackets and screws, assemble the aluminum profiles and 10 mm safety glass (or 22 mm), not supplied by us, using SF30G10 gasket (or SF30G22), as shown in figure.





### 3.4 ASSEMBLY AND WORKING OF THE SIDE PROTECTION

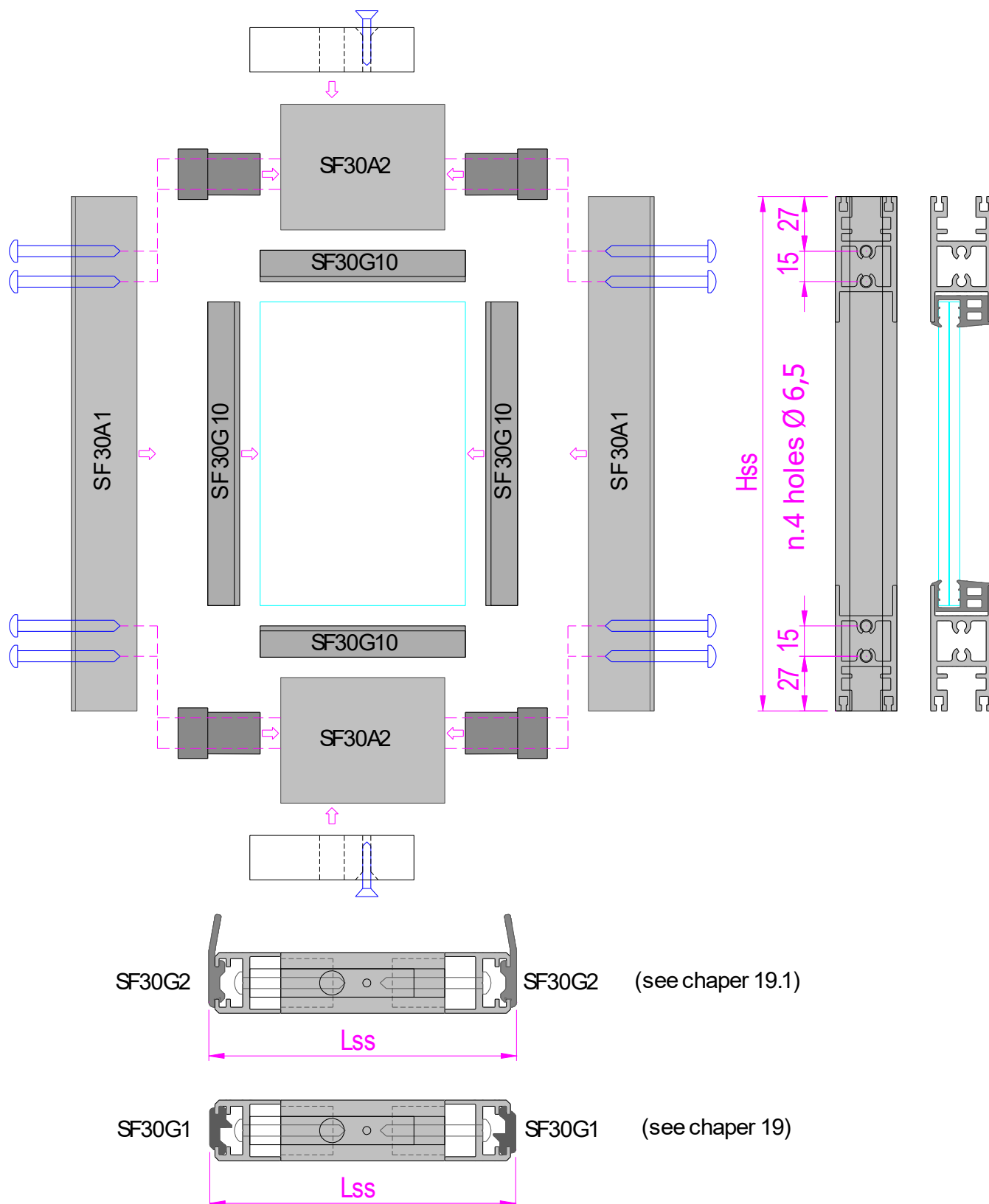
Cut the SF30A1 aluminum profiles to the Hss length. Perform on each of the aluminum profiles 4 holes, as shown in figure.

Cut the SF30A2 profiles to the size indicated in the cutting lists relative to the required door frame.

Use the kit of brackets and screws, assemble the aluminum profiles and 8 mm safety glass, not supplied by us, using SF30G10 gasket, as shown in figure.

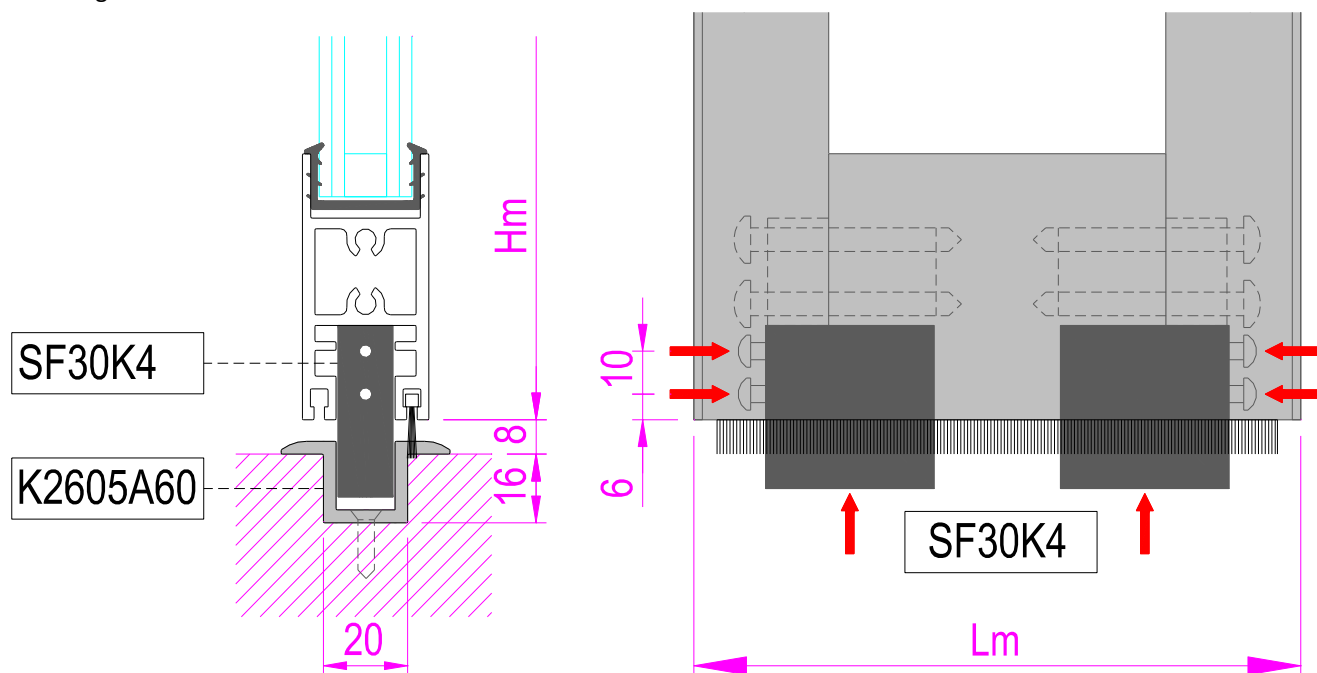
At the end of the assembly, insert the SF30G2 gasket (or SF30G1 upside down) in the SF30A1 profiles on both sides.

Insert and fix in the SF30A2 profiles the rotation pins, up and down, as shown in the figure.

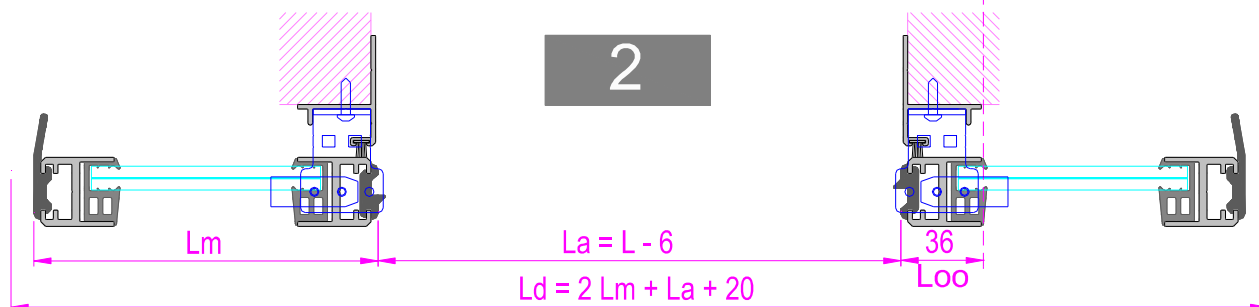
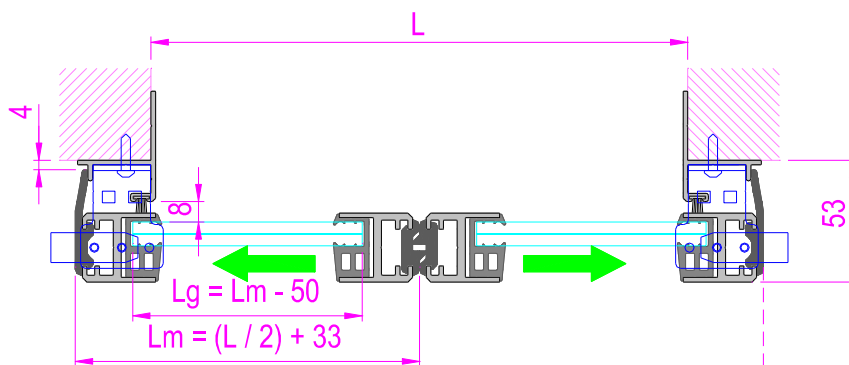
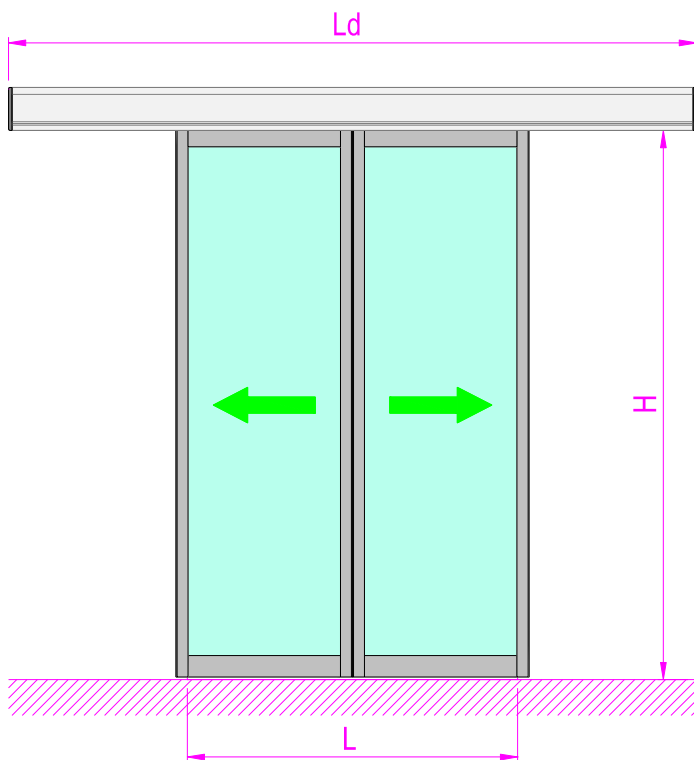
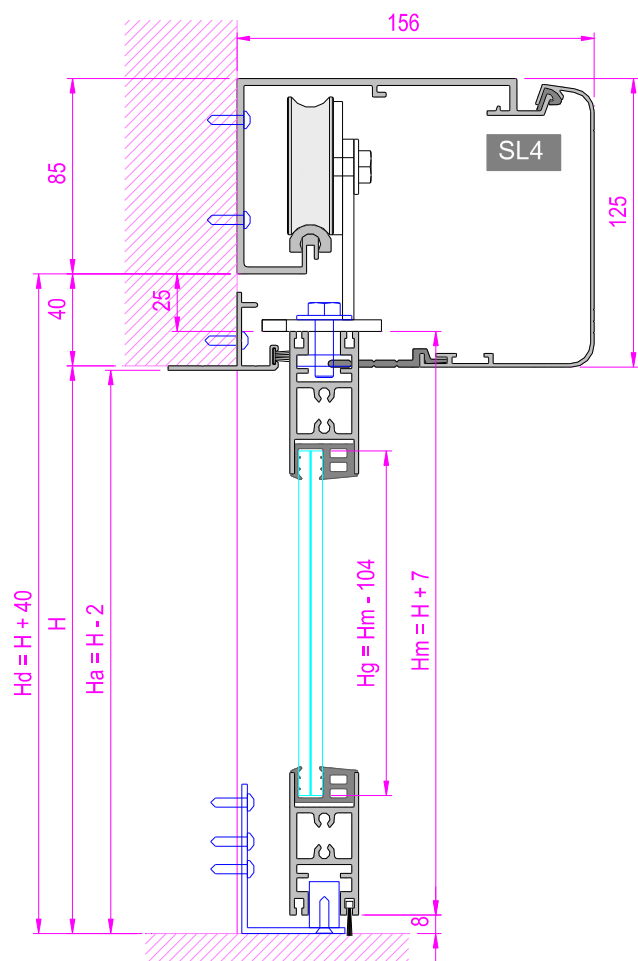


#### 4. ASSEMBLY OF FLOOR GUIDE

If there is strong wind, you can use the K2605A60 floor guide and the SF30K4 sliding guides fixed to the bottom of the leaf, as shown in figure.



## 5. DOOR WITH 2 SLIDING LEAVES



## 5.1 CUT LIST OF DOOR WITH 2 SLIDING LEAVES

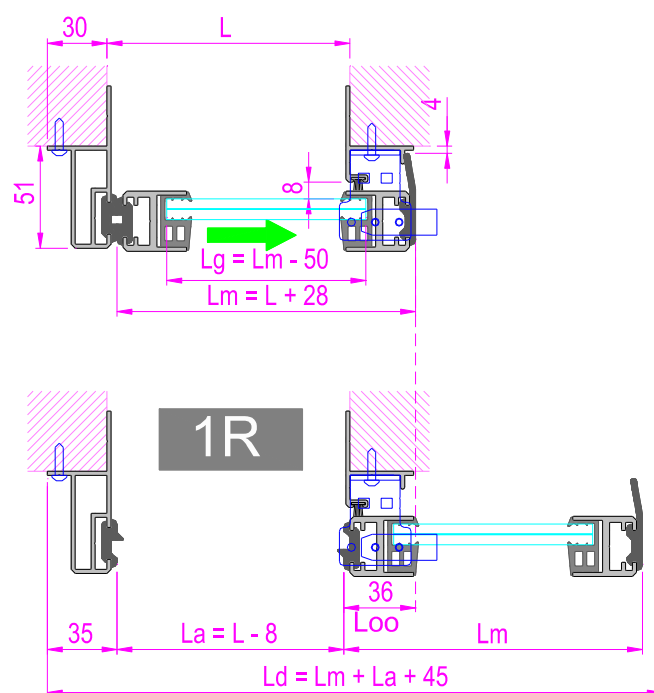
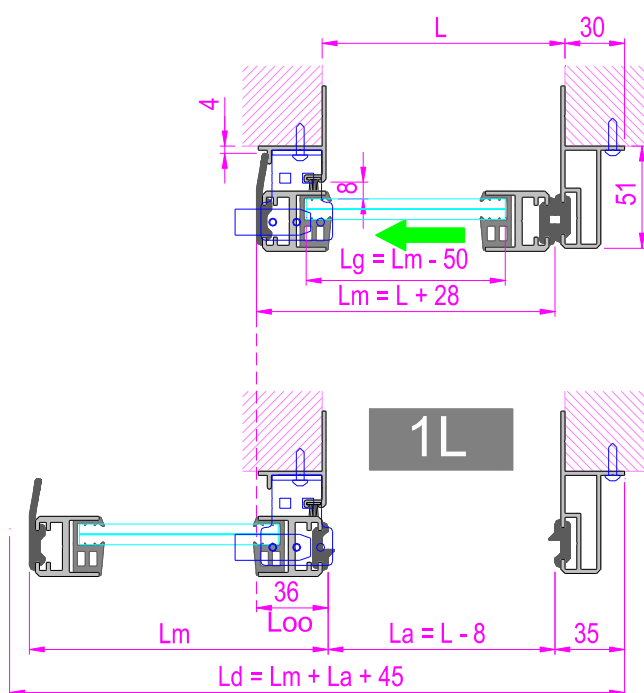
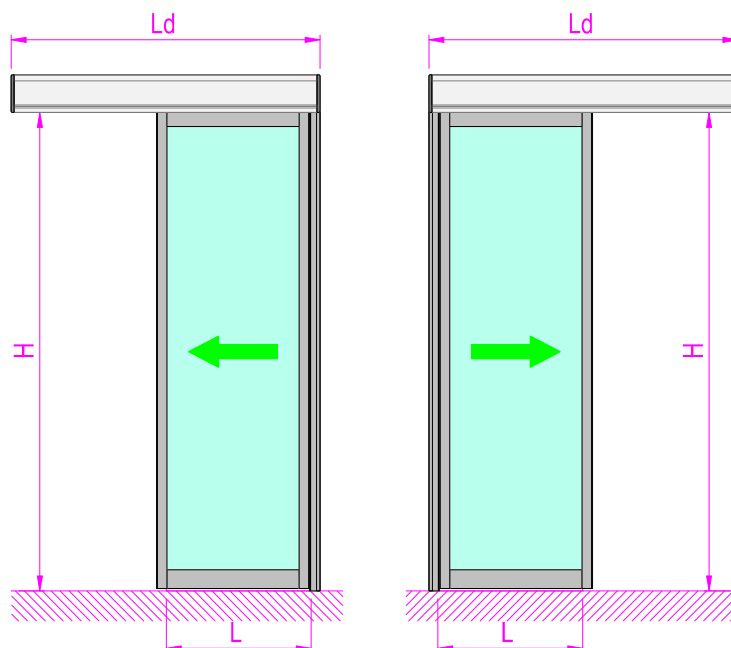
| Code              | Description                              | Formula  | Quantity |
|-------------------|------------------------------------------|----------|----------|
| SF30A1            | Vertical aluminum profile                | Hm       | 4        |
| SF30A2            | Horizontal aluminum profile              | Lm – 70  | 4        |
| SF30A3            | Frame aluminum profile                   | H – 2    | 2        |
| SF30A3            | Frame aluminum profile                   | L        | 1        |
| SF30G1            | Gasket on the closing side               | Hm       | 2        |
| SF30G2            | Gasket on the opening side               | Hm       | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm) | Hm – 104 | 4        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm) | Lm – 50  | 4        |
| KSP415            | Lower brush 4x15 mm                      | Lm       | 2        |
| KSP699            | Frame brush 6,9x9 mm                     | H        | 2        |
| KSP699            | Frame brush 6,9x9 mm                     | 2 Lm     | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf    | -        | 2        |

## 5.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Lm – 50  | 2        |
| Hg           | Glass height | Hm – 104 |          |

Technical drawing of a door threshold assembly, showing a cross-section and a top view. The drawing includes the following dimensions and labels:

- Dimensions:**
  - Overall height:  $H_d = H + 40$
  - Height of the upper part:  $H$
  - Height of the lower part:  $H_a = H - 2$
  - Height of the lower part (alternative):  $H_g = H_m - 104$
  - Height of the lower part (alternative):  $H_m = H + 7$
  - Width of the upper part: 156
  - Width of the lower part: 125
  - Height of the lower part (alternative): 85
  - Height of the lower part (alternative): 40
  - Height of the lower part (alternative): 25
  - Height of the lower part (alternative): 8
- Labels:**
  - SL4



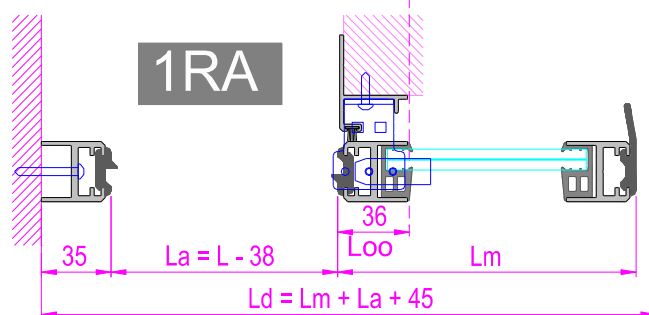
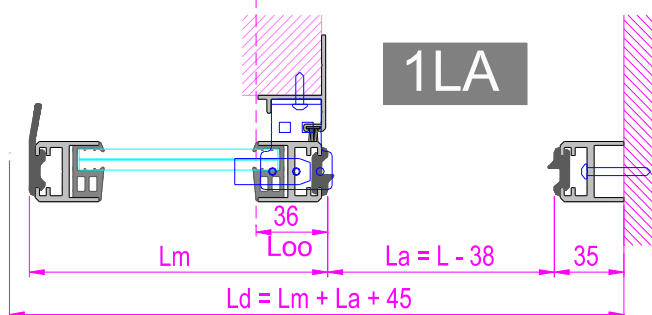
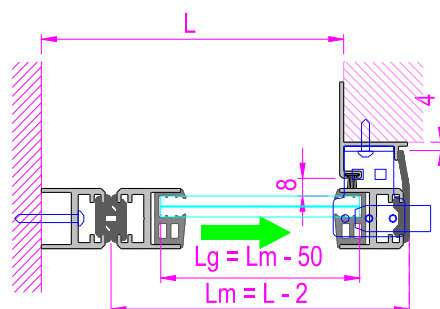
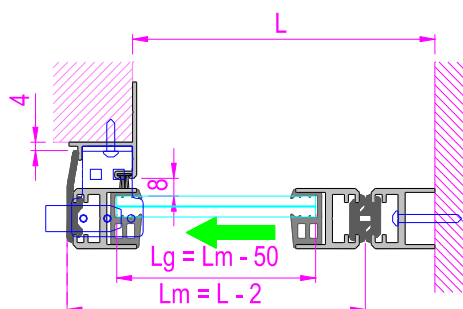
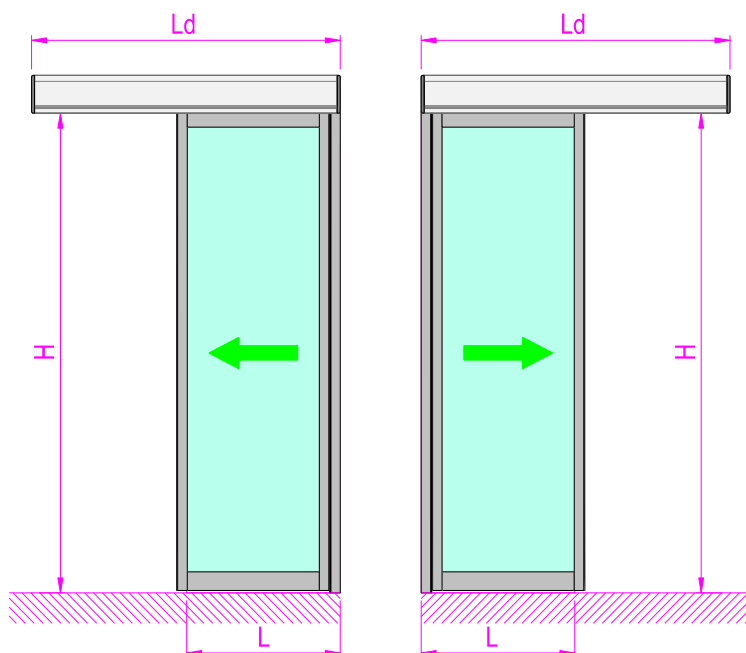
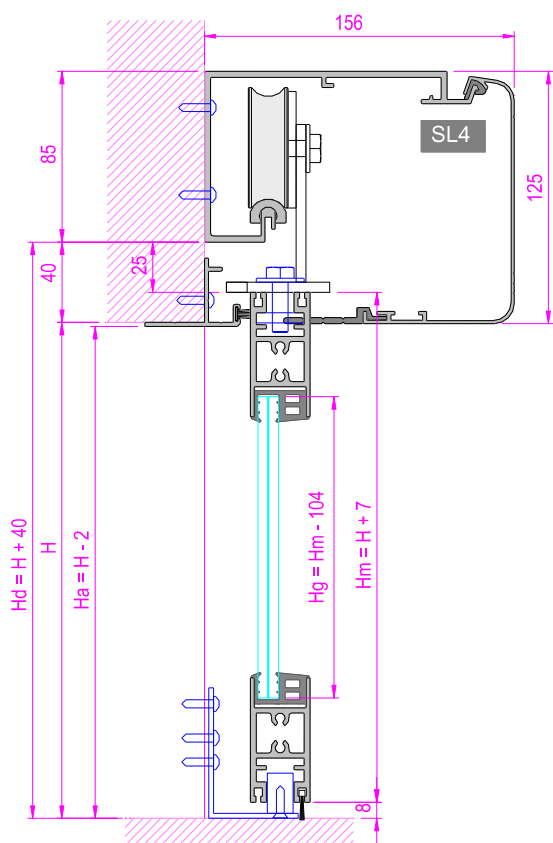
## 6.1 CUT LIST OF DOOR WITH 1 SLIDING LEAF

| Code              | Description                              | Formula  | Quantity |
|-------------------|------------------------------------------|----------|----------|
| SF30A1            | Vertical aluminum profile                | Hm       | 2        |
| SF30A2            | Horizontal aluminum profile              | Lm – 70  | 2        |
| SF30A3            | Frame aluminum profile                   | H – 2    | 1        |
| SF30A3            | Frame aluminum profile                   | L        | 1        |
| SF30A7            | Frame profile for 1 leaf                 | H – 2    | 1        |
| SF30G1            | Gasket on the closing side               | Hm       | 2        |
| SF30G2            | Gasket on the opening side               | Hm       | 1        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm) | Hm – 104 | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm) | Lm – 50  | 2        |
| KSP415            | Lower brush 4x15 mm                      | Lm       | 1        |
| KSP699            | Frame brush 6,9x9 mm                     | H        | 1        |
| KSP699            | Frame brush 6,9x9 mm                     | Lm       | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf    | -        | 1        |

## 6.2 GLASS DIMENSION (NOT SUPPLIED BY US)

|    |              |          |   |
|----|--------------|----------|---|
| Lg | Glass width  | Lm – 50  | 1 |
| Hg | Glass height | Hm – 104 |   |

## 7. DOOR WITH 1 SLIDING LEAF ON THE PASSAGE



## 7.1 CUT LIST OF DOOR WITH 1 SLIDING LEAF ON THE PASSAGE

| Code              | Description                              | Formula  | Quantity |
|-------------------|------------------------------------------|----------|----------|
| SF30A1            | Vertical aluminum profile                | Hm       | 2        |
| SF30A1            | Vertical aluminum profile                | H – 2    | 1        |
| SF30A2            | Horizontal aluminum profile              | Lm – 70  | 2        |
| SF30A3            | Frame aluminum profile                   | H – 2    | 1        |
| SF30A3            | Frame aluminum profile                   | L        | 1        |
| SF30G1            | Gasket on the closing side               | Hm       | 1        |
| SF30G2            | Gasket on the opening side               | Hm       | 1        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm) | Hm – 104 | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm) | Lm – 50  | 2        |
| KSP415            | Lower brush 4x15 mm                      | Lm       | 1        |
| KSP699            | Frame brush 6,9x9 mm                     | H        | 1        |
| KSP699            | Frame brush 6,9x9 mm                     | Lm       | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf    | -        | 1        |

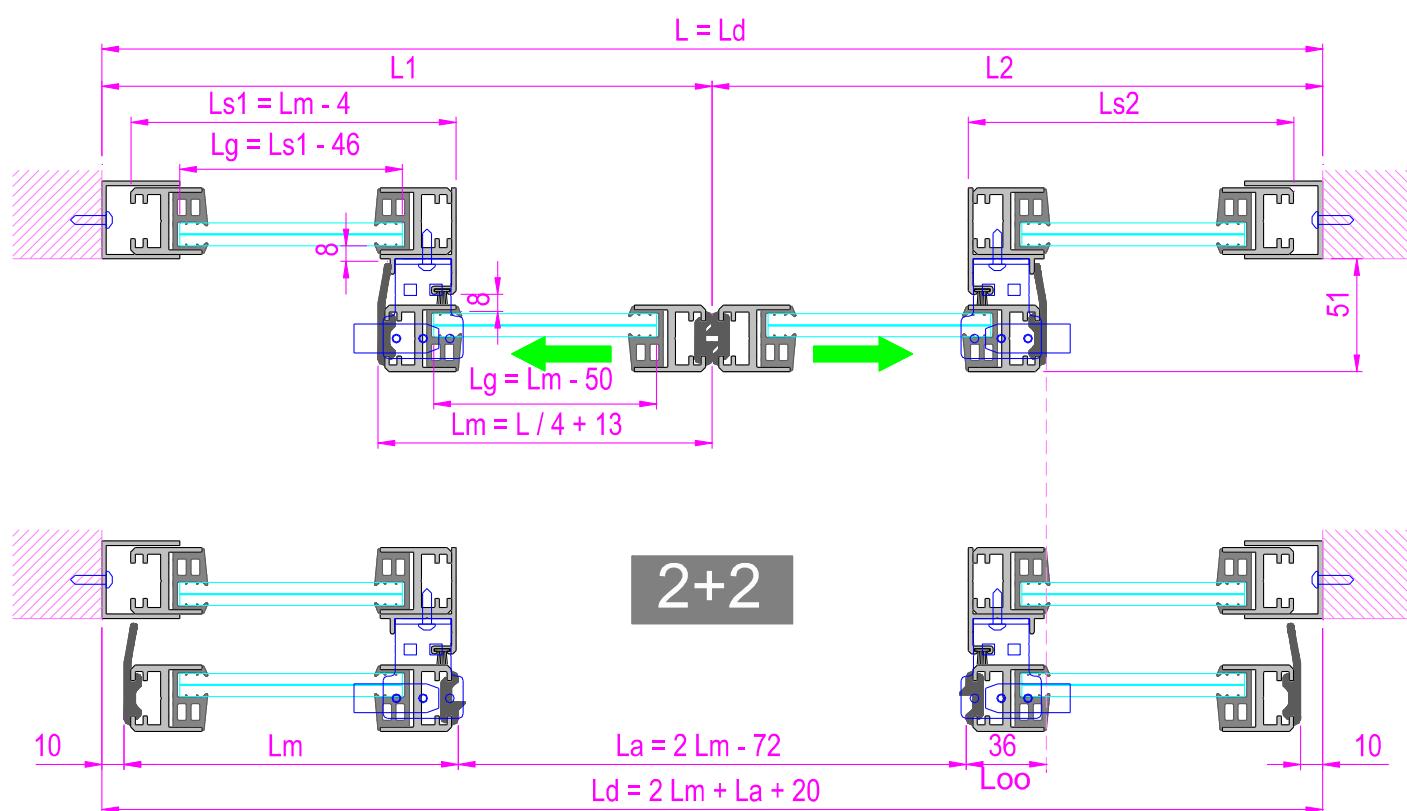
## 7.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Lm – 50  | 1        |
| Hg           | Glass height | Hm – 104 |          |



Technical drawing of the SL4 window profile showing dimensions and formulas:

- Overall height:  $H_d = H + 8$
- Height of the upper part:  $H$
- Height of the lower part:  $H_a = H - 32$
- Height of the bottom part:  $H_s = H - 25$
- Height of the bottom part (alternative):  $H_g = H_m - 104$
- Height of the bottom part (alternative):  $H_m = H - 25$
- Width of the upper part:  $156$
- Width of the lower part:  $125$
- Width of the bottom part:  $8$
- Width of the bottom part (alternative):  $25$
- Label: SL4



## 8.1 CUT LIST OF DOOR WITH 2 SLIDING LEAVES + 2 SIDE SCREENS

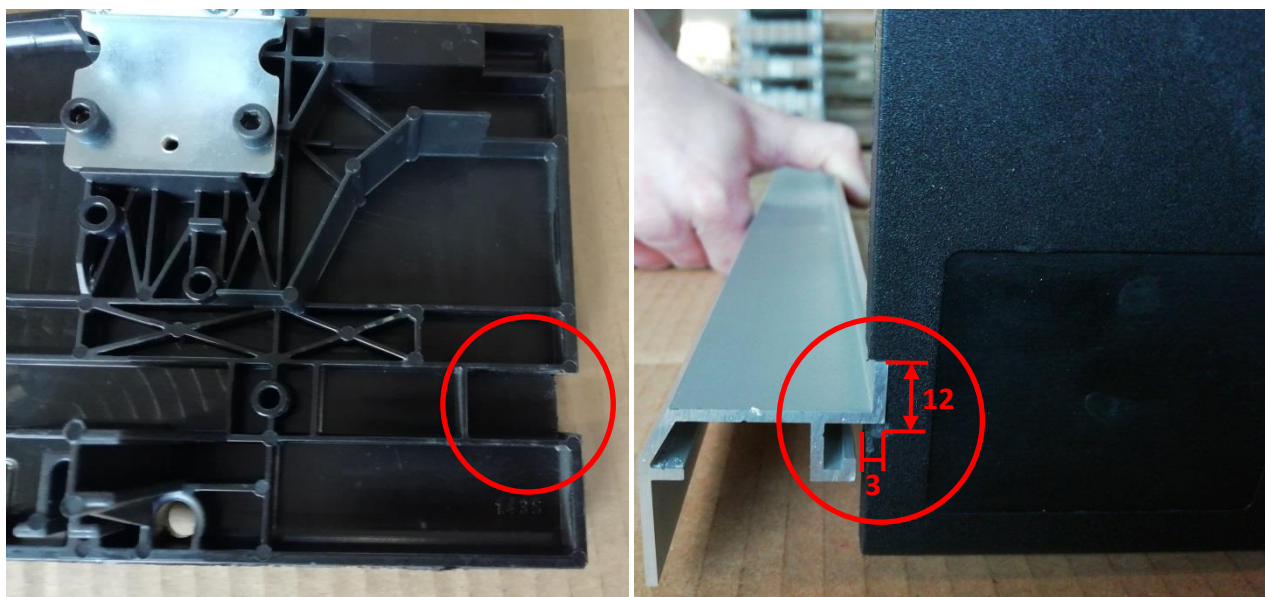
| Code              | Description                                  | Formula  | Quantity |
|-------------------|----------------------------------------------|----------|----------|
| SF30A1            | Vertical aluminum profile                    | Hm       | 8        |
| SF30A2            | Horizontal aluminum profile                  | Lm – 70  | 8        |
| SF30A3            | Frame aluminum profile                       | H – 32   | 2        |
| SF30A4            | Lower aluminum profile on floor              | Ls + 9   | 2        |
| SF30A5            | Upper frame aluminum profile                 | L        | 1        |
| SF30A6            | Upper frame aluminum profile                 | L – 20   | 1        |
| K30202A60         | Upper frame aluminum profile                 | La + 2   | 1        |
| K35352A60         | Frame aluminum profile                       | H – 32   | 2        |
| SF30G1            | Gasket on the closing side                   | Hm       | 2        |
| SF30G2            | Gasket on the opening side                   | Hm       | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Hm – 104 | 8        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Lm – 50  | 8        |
| KSP415            | Lower brush 4x15 mm                          | Lm       | 2        |
| KSP699            | Frame brush 6,9x9 mm                         | H        | 2        |
| KSP699            | Frame brush 6,9x9 mm                         | 2 Lm     | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf        | -        | 2        |
| SF30K2            | Kit of brackets and screws for 1 side screen | -        | 2        |

## 8.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Lm – 50  | 4        |
| Hg           | Glass height | Hm – 104 |          |

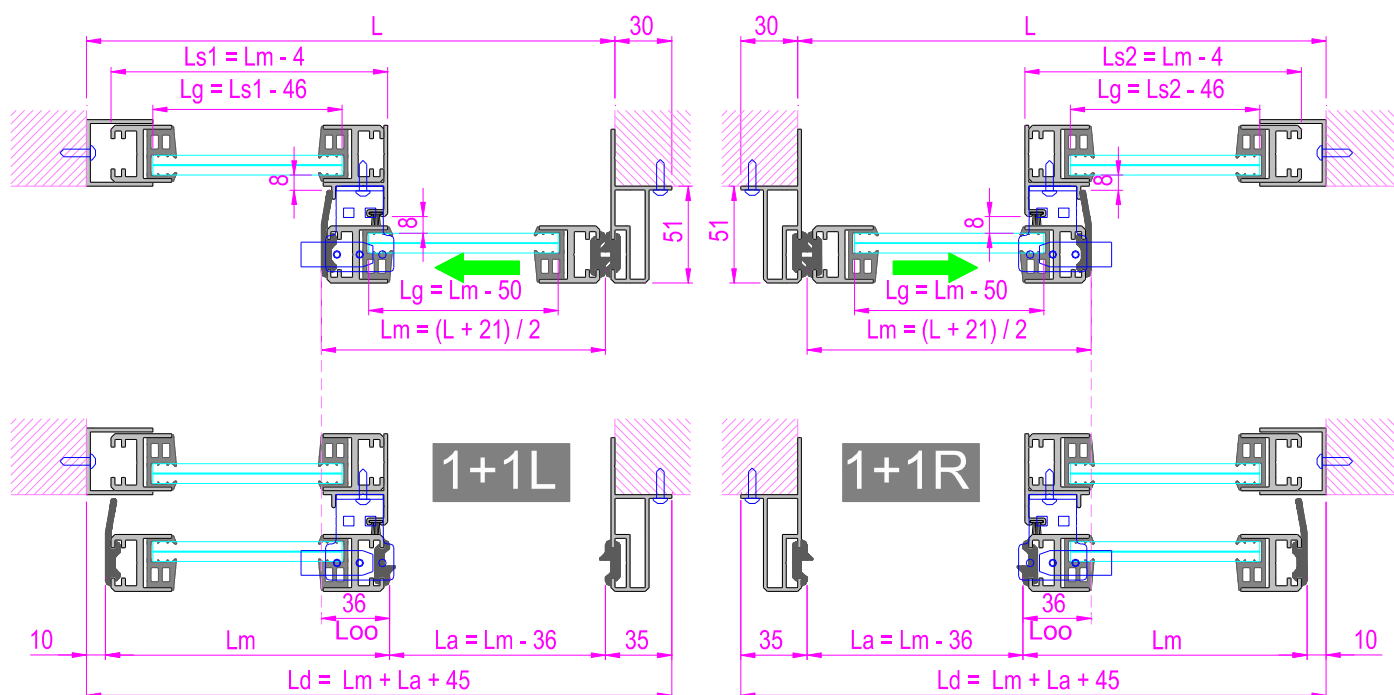
### NOTE

When the length of the automation (Ld) is equal to or less than the width of the wall compartment (L), it is necessary to make a slot of about 3 x 12 mm in the plastic end caps, as shown in the photo.



Technical drawing of the SL4 window profile showing dimensions and formulas:

- Overall height:  $H_d = H + 8$
- Height of the upper frame:  $H$
- Height of the lower frame:  $H_a = H - 32$
- Height of the lower frame (excluding the bottom rail):  $H_s = H - 25$
- Height of the lower frame (excluding the bottom rail and the bottom flange):  $H_g = H_m - 104$
- Height of the lower frame (excluding the bottom rail and the bottom flange, including the bottom flange):  $H_m = H - 25$
- Width of the upper frame: 156
- Height of the upper frame: 125
- Height of the lower frame (excluding the bottom rail): 25
- Height of the lower frame (excluding the bottom rail and the bottom flange): 8



## 9.1 CUT LIST OF DOOR WITH 1 SLIDING LEAF + 1 SIDE SCREEN

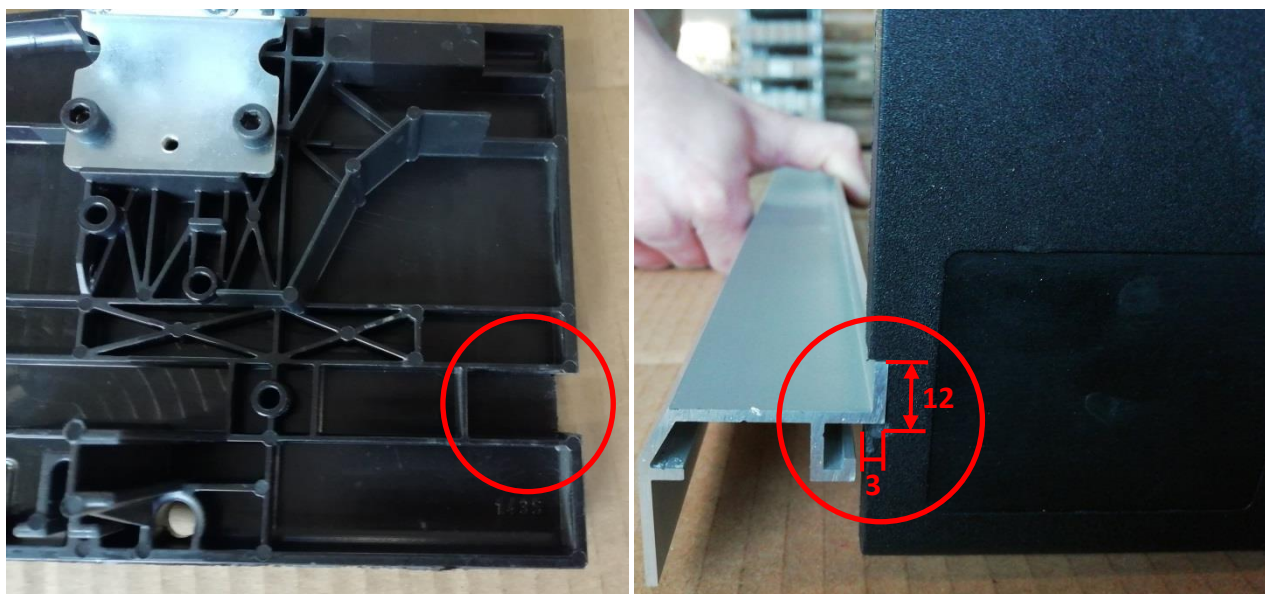
| Code              | Description                                  | Formula  | Quantity |
|-------------------|----------------------------------------------|----------|----------|
| SF30A1            | Vertical aluminum profile                    | Hm       | 4        |
| SF30A2            | Horizontal aluminum profile                  | Lm – 70  | 4        |
| SF30A3            | Frame aluminum profile                       | H – 32   | 1        |
| SF30A4            | Lower aluminum profile on floor              | Ls + 9   | 1        |
| SF30A5            | Upper frame aluminum profile                 | L        | 1        |
| SF30A6            | Upper frame aluminum profile                 | L – 10   | 1        |
| SF30A7            | Frame profile for 1 leaf                     | H – 32   | 1        |
| K30202A60         | Upper frame aluminum profile                 | La + 4   | 1        |
| K35352A60         | Frame aluminum profile                       | H – 32   | 1        |
| SF30G1            | Gasket on the closing side                   | Hm       | 2        |
| SF30G2            | Gasket on the opening side                   | Hm       | 1        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Hm – 104 | 4        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Lm – 50  | 4        |
| KSP415            | Lower brush 4x15 mm                          | Lm       | 1        |
| KSP699            | Frame brush 6,9x9 mm                         | H        | 1        |
| KSP699            | Frame brush 6,9x9 mm                         | Lm       | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf        | -        | 1        |
| SF30K2            | Kit of brackets and screws for 1 side screen | -        | 1        |

## 9.2 GLASS DIMENSION (NOT SUPPLIED BY US)

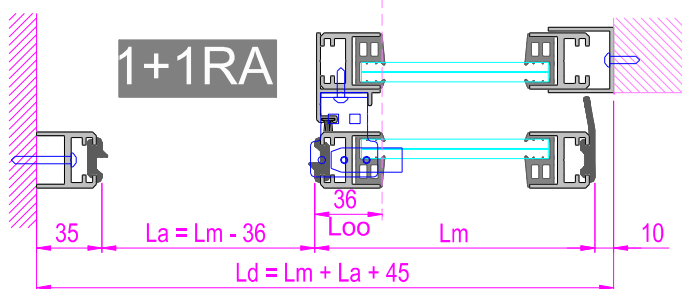
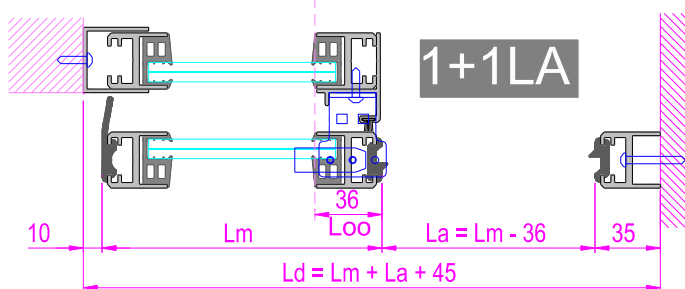
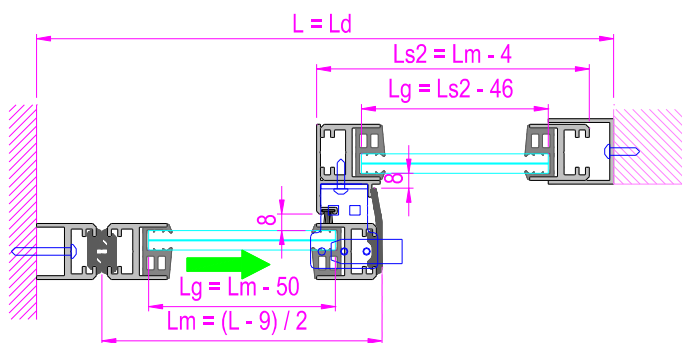
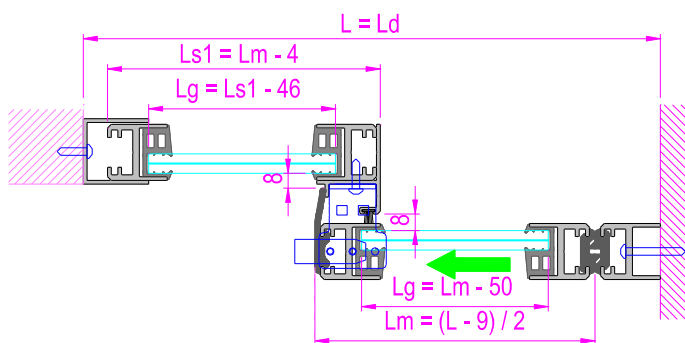
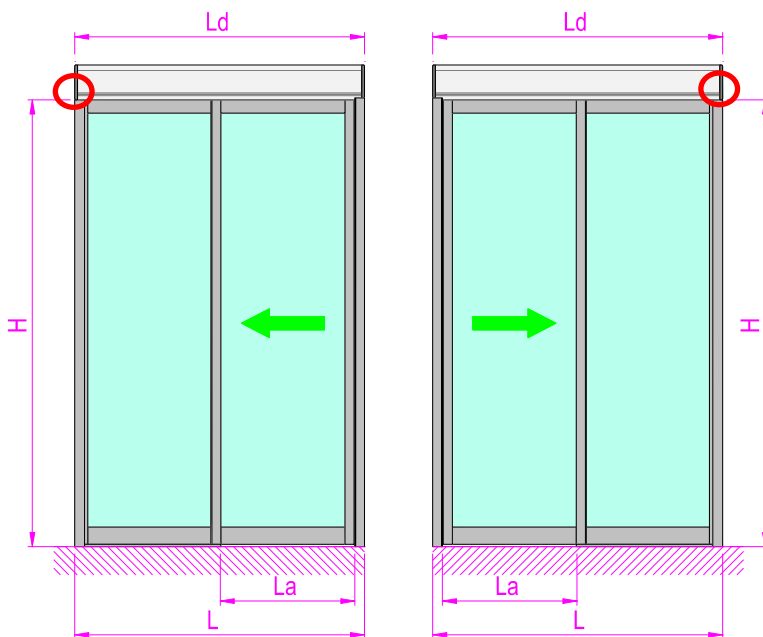
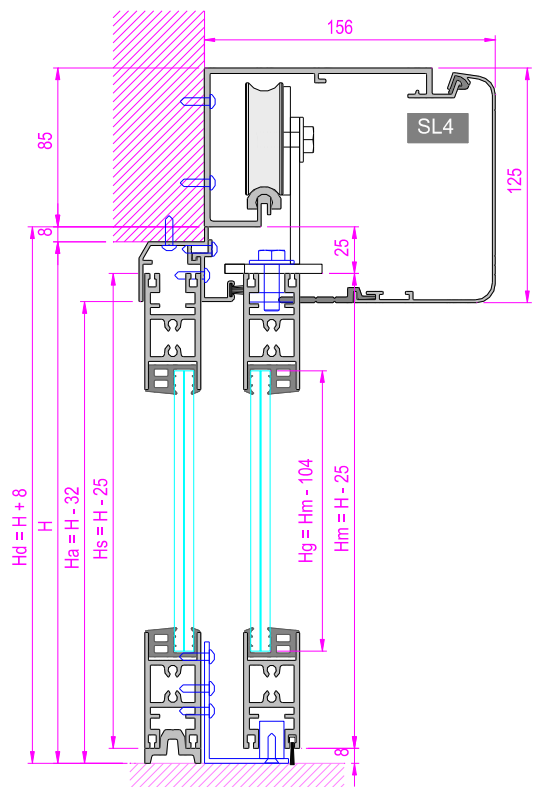
| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Lm – 50  | 2        |
| Hg           | Glass height | Hm – 104 |          |

### NOTE

When the length of the automation (Ld) is equal to or less than the width of the wall compartment (L), it is necessary to make a slot of about 3 x 12 mm in the plastic end caps, as shown in the photo.



## 10. DOOR WITH 1 SLIDING LEAF + 1 SIDE SCREEN ON THE PASSAGE



## 10.1 CUT LIST OF DOOR WITH 1 SLIDING LEAF + 1 SIDE SCREEN ON THE PASSAGE

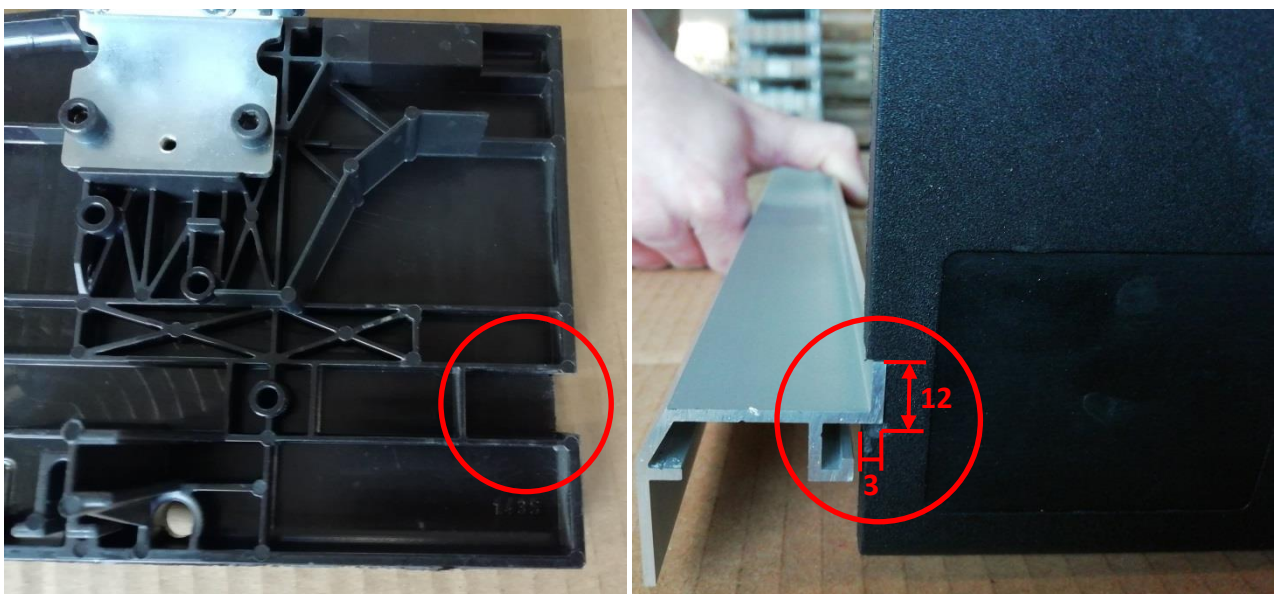
| Code              | Description                                  | Formula    | Quantity |
|-------------------|----------------------------------------------|------------|----------|
| SF30A1            | Vertical aluminum profile                    | Hm         | 4        |
| SF30A1            | Vertical aluminum profile                    | $H - 32$   | 1        |
| SF30A2            | Horizontal aluminum profile                  | $Lm - 70$  | 4        |
| SF30A3            | Frame aluminum profile                       | $H - 32$   | 1        |
| SF30A4            | Lower aluminum profile on floor              | $Ls + 9$   | 1        |
| SF30A5            | Upper frame aluminum profile                 | L          | 1        |
| SF30A6            | Upper frame aluminum profile                 | $L - 20$   | 1        |
| K30202A60         | Upper frame aluminum profile                 | $La + 36$  | 1        |
| K35352A60         | Frame aluminum profile                       | $H - 32$   | 1        |
| SF30G1            | Gasket on the closing side                   | Hm         | 2        |
| SF30G2            | Gasket on the opening side                   | Hm         | 1        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | $Hm - 104$ | 4        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | $Lm - 50$  | 4        |
| KSP415            | Lower brush 4x15 mm                          | Lm         | 1        |
| KSP699            | Frame brush 6,9x9 mm                         | H          | 1        |
| KSP699            | Frame brush 6,9x9 mm                         | Lm         | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf        | -          | 1        |
| SF30K2            | Kit of brackets and screws for 1 side screen | -          | 1        |

## 10.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula    | Quantity |
|--------------|--------------|------------|----------|
| Lg           | Glass width  | $Lm - 50$  | 2        |
| Hg           | Glass height | $Hm - 104$ |          |

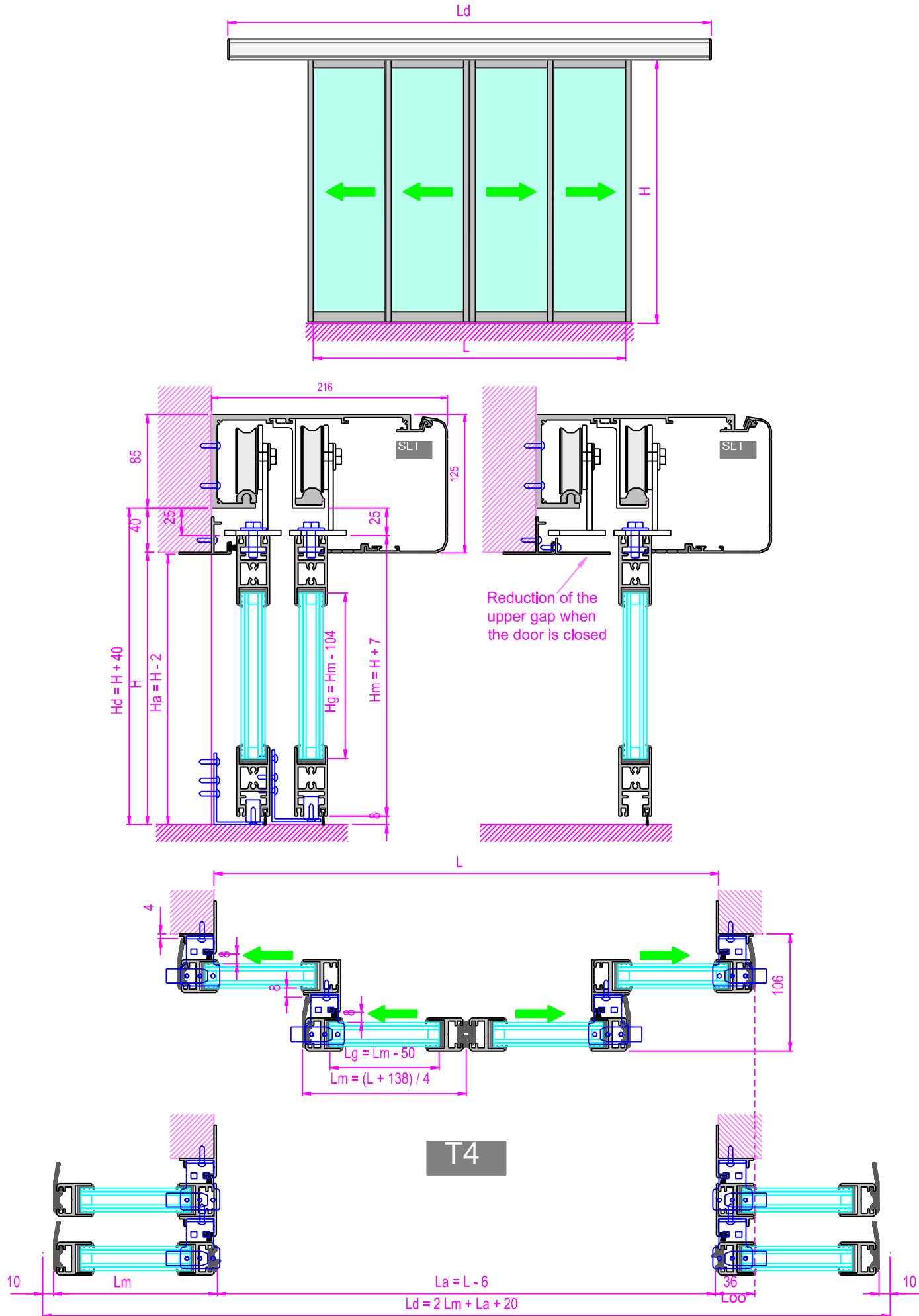
### NOTE

When the length of the automation (Ld) is equal to or less than the width of the wall compartment (L), it is necessary to make a slot of about 3 x 12 mm in the plastic end caps, as shown in the photo.





## 11. TELESCOPIC DOOR WITH 4 SLIDING LEAVES



### 11.1 CUT LIST OF TELESCOPIC DOOR WITH 4 SLIDING LEAVES

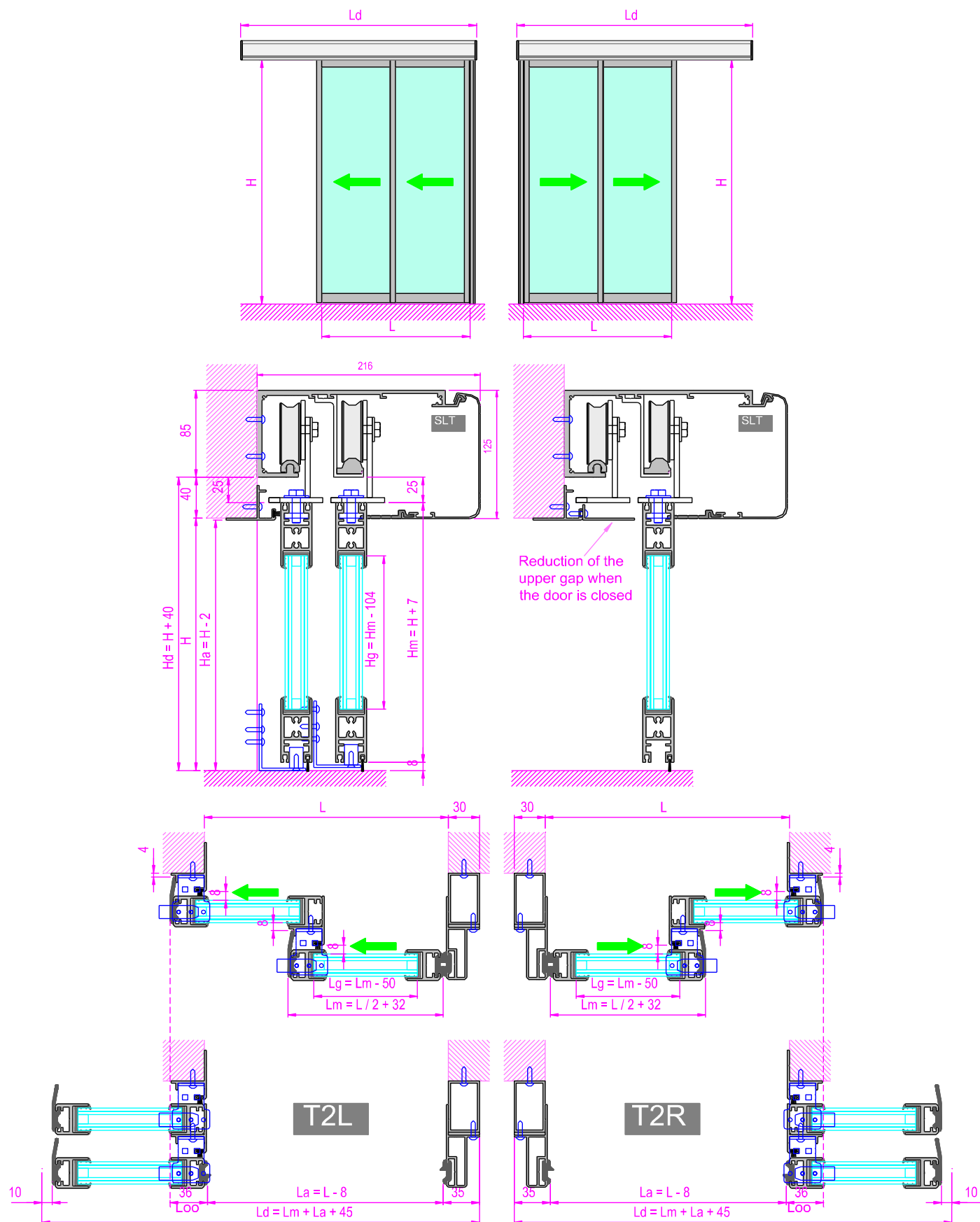
| Code              | Description                              | Formula   | Quantity |
|-------------------|------------------------------------------|-----------|----------|
| SF30A1            | Vertical aluminum profile                | Hm        | 8        |
| SF30A2            | Horizontal aluminum profile              | Lm – 70   | 8        |
| SF30A3            | Frame aluminum profile                   | Hm – 15   | 2        |
| SF30A3            | Frame aluminum profile                   | H – 2     | 2        |
| SF30A3            | Frame aluminum profile                   | L         | 1        |
| K50152A60         | Upper frame aluminum profile             | 2 Lm – 70 | 1        |
| SF30G1            | Gasket on the closing side               | Hm        | 2        |
| SF30G2            | Gasket on the opening side               | Hm        | 4        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm) | Hm – 104  | 8        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm) | Lm – 50   | 8        |
| KSP415            | Lower brush 4x15 mm                      | Lm        | 4        |
| KSP699            | Frame brush 6,9x9 mm                     | Hm        | 4        |
| KSP699            | Frame brush 6,9x9 mm                     | Lm        | 2        |
| SF30K1            | Kit of brackets and screws for 1 leaf    | -         | 4        |

### 11.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Lm – 50  | 4        |
| Hg           | Glass height | Hm – 104 |          |



## 12. TELESCOPIC DOOR WITH 2 SLIDING LEAVES



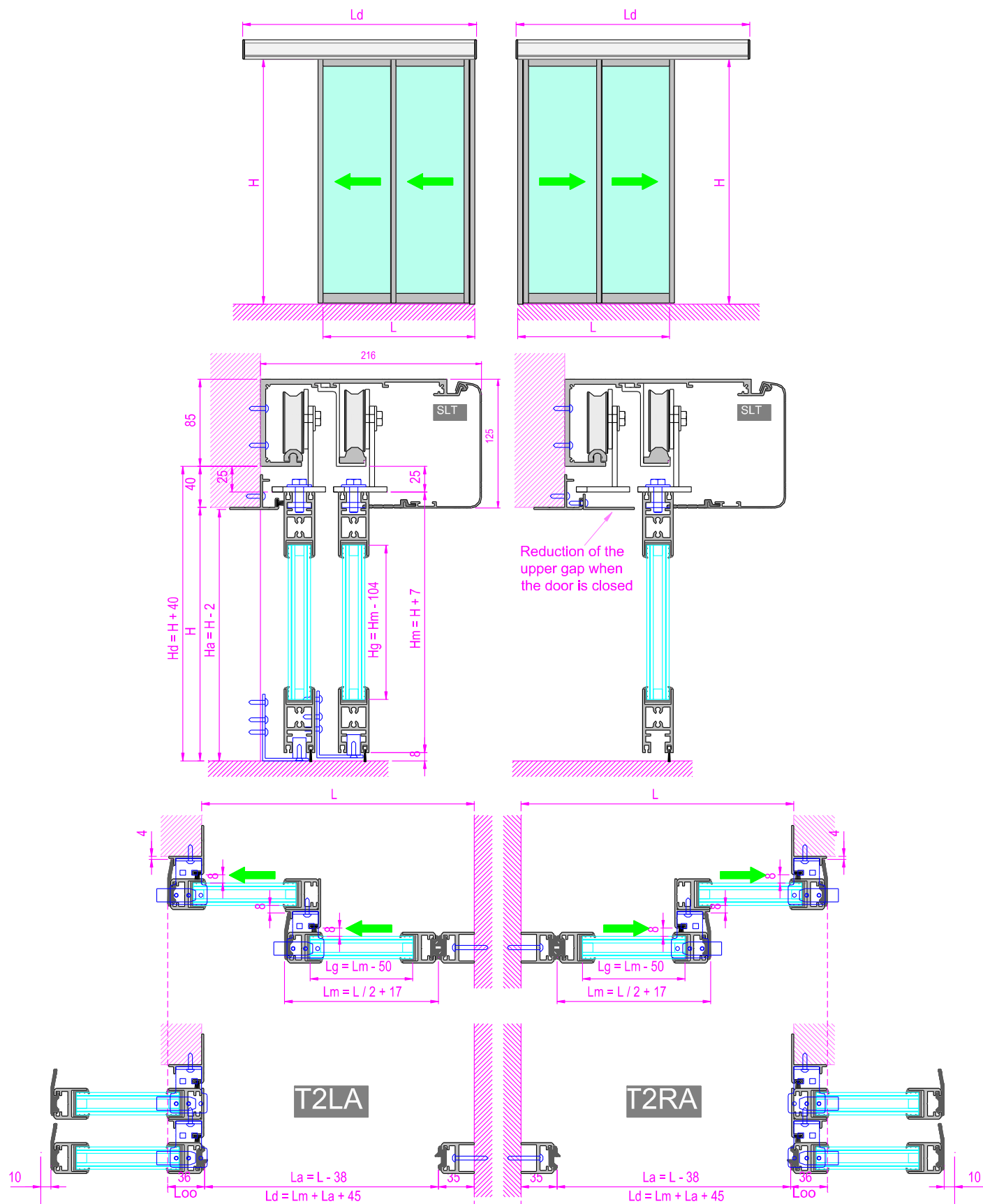
## 12.1 CUT LIST OF TELESCOPIC DOOR WITH 2 SLIDING LEAVES

| Code              | Description                                  | Formula  | Quantity |
|-------------------|----------------------------------------------|----------|----------|
| SF30A1            | Vertical aluminum profile                    | Hm       | 4        |
| SF30A2            | Horizontal aluminum profile                  | Lm – 70  | 4        |
| SF30A3            | Frame aluminum profile                       | Hm – 15  | 1        |
| SF30A3            | Frame aluminum profile                       | H – 2    | 1        |
| SF30A3            | Frame aluminum profile                       | L        | 1        |
| SF30A7            | Frame profile for 1 leaf                     | H – 2    | 1        |
| K50152A60         | Upper frame aluminum profile                 | Lm – 32  | 1        |
| K50302A60         | Frame aluminum profile for 1 telescopic leaf | H – 2    | 1        |
| K303A60           | 30x3 mm flat profile                         | H – 2    | 1        |
| SF30G1            | Gasket on the closing side                   | Hm       | 2        |
| SF30G2            | Gasket on the opening side                   | Hm       | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Hm – 104 | 4        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Lm – 50  | 4        |
| KSP415            | Lower brush 4x15 mm                          | Lm       | 2        |
| KSP699            | Frame brush 6,9x9 mm                         | Hm       | 2        |
| KSP699            | Frame brush 6,9x9 mm                         | Lm       | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf        | -        | 2        |

## 12.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Lm – 50  | 2        |
| Hg           | Glass height | Hm – 104 |          |

### 13. TELESCOPIC DOOR WITH 2 SLIDING LEAVES ON THE PASSAGE



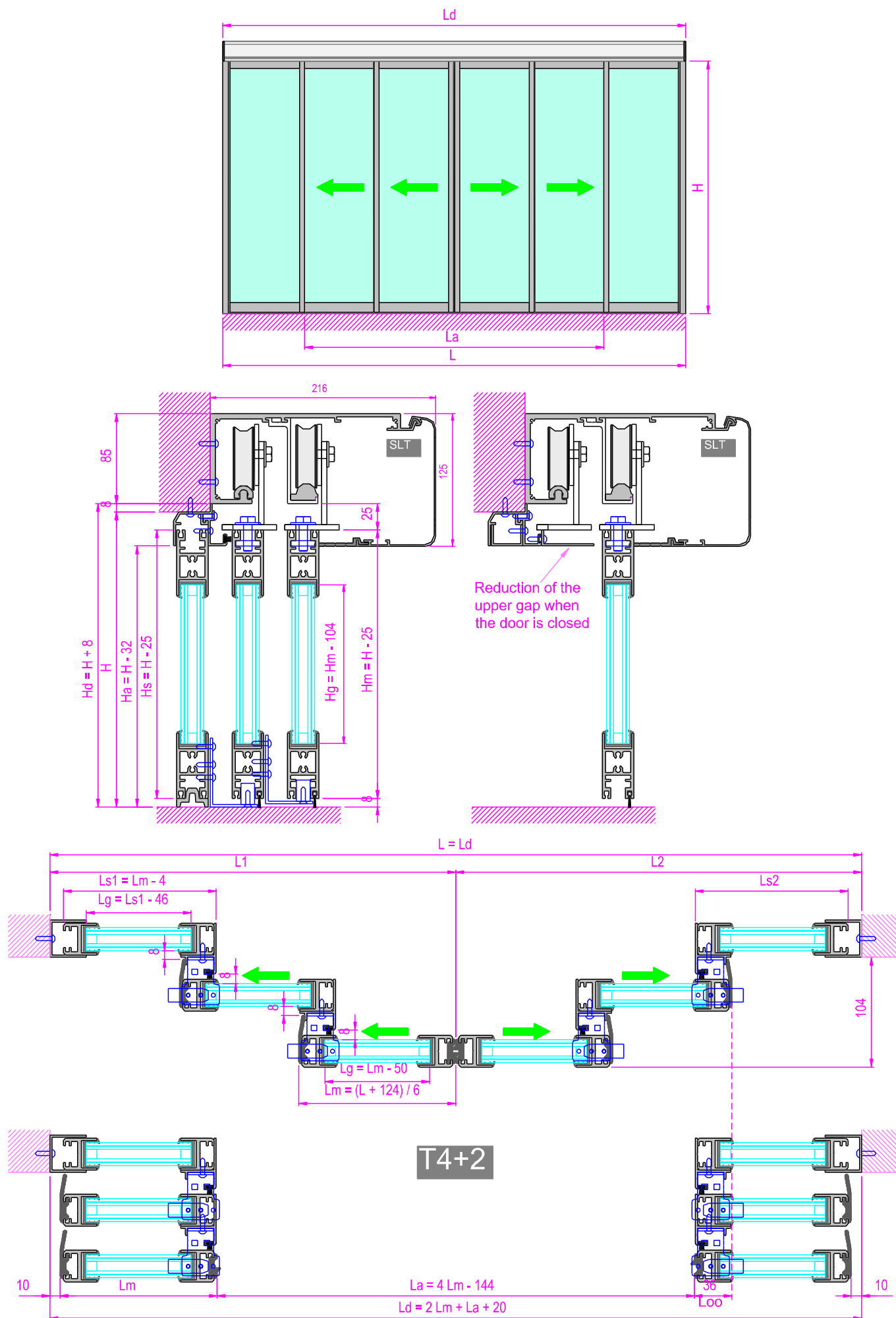
### 13.1 CUT LIST OF TELESCOPIC DOOR WITH 2 SLIDING LEAVES ON THE PASSAGE

| Code              | Description                              | Formula  | Quantity |
|-------------------|------------------------------------------|----------|----------|
| SF30A1            | Vertical aluminum profile                | Hm       | 4        |
| SF30A1            | Vertical aluminum profile                | H – 2    | 1        |
| SF30A2            | Horizontal aluminum profile              | Lm – 70  | 4        |
| SF30A3            | Frame aluminum profile                   | Hm       | 1        |
| SF30A3            | Frame aluminum profile                   | H – 2    | 1        |
| SF30A3            | Frame aluminum profile                   | L        | 1        |
| K50152A60         | Upper frame aluminum profile             | Lm       | 1        |
| SF30G1            | Gasket on the closing side               | Hm       | 2        |
| SF30G2            | Gasket on the opening side               | Hm       | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm) | Hm – 104 | 4        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm) | Lm – 50  | 4        |
| KSP415            | Lower brush 4x15 mm                      | Lm       | 2        |
| KSP699            | Frame brush 6,9x9 mm                     | Hm       | 2        |
| KSP699            | Frame brush 6,9x9 mm                     | Lm       | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf    | -        | 2        |

### 13.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Lm – 50  | 2        |
| Hg           | Glass height | Hm – 104 |          |

#### 14. TELESCOPIC DOOR WITH 4 SLIDING LEAVES + 2 SIDE SCREENS



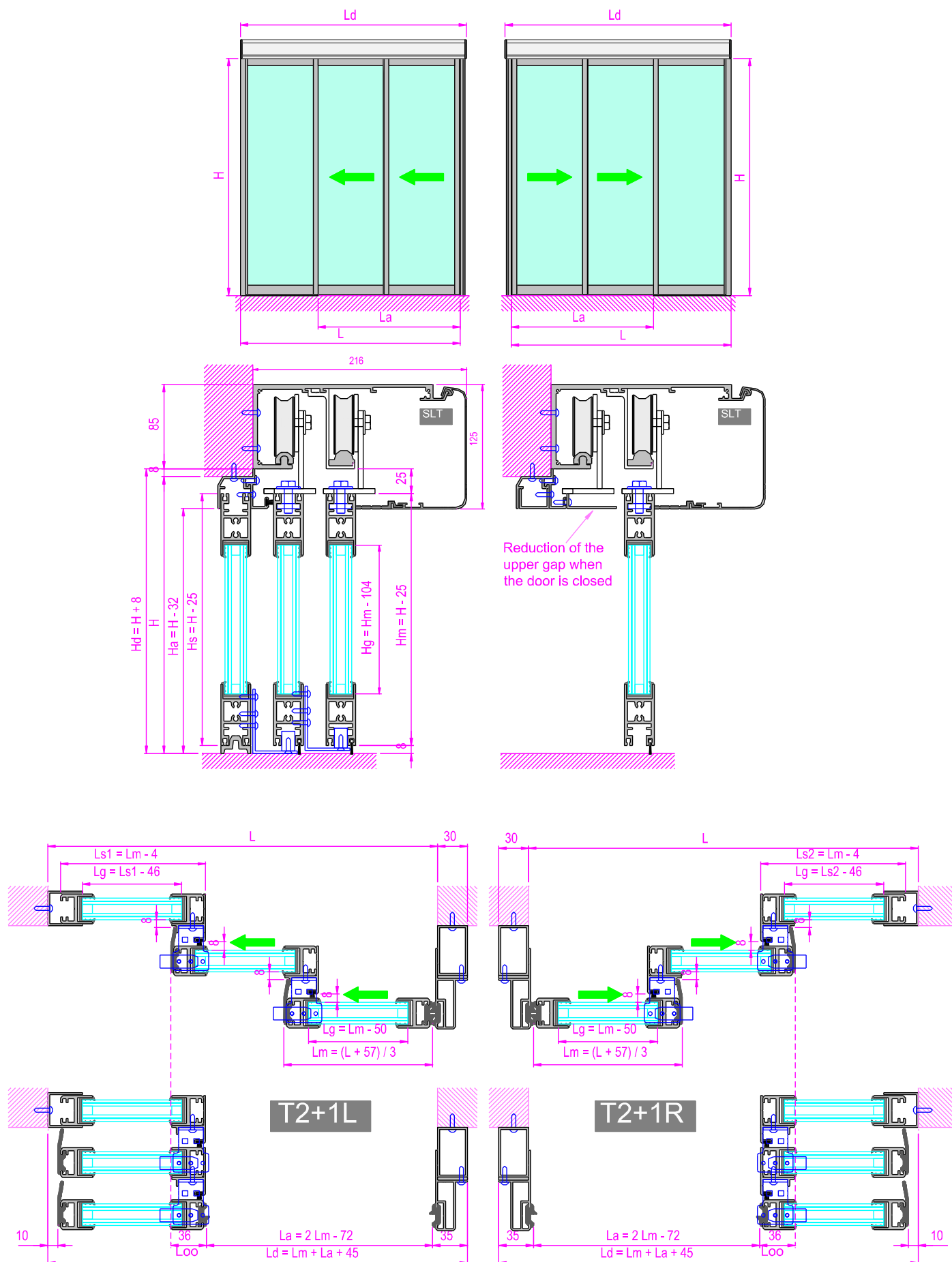
#### 14.1 CUT LIST OF TELESCOPIC DOOR WITH 4 SLIDING LEAVES + 2 SIDE SCREENS

| Code              | Description                                  | Formula   | Quantity |
|-------------------|----------------------------------------------|-----------|----------|
| SF30A1            | Vertical aluminum profile                    | Hm        | 12       |
| SF30A2            | Horizontal aluminum profile                  | Lm – 70   | 12       |
| SF30A3            | Frame aluminum profile                       | Hm        | 2        |
| SF30A3            | Frame aluminum profile                       | H – 32    | 2        |
| SF30A4            | Lower aluminum profile on floor              | Ls + 9    | 2        |
| SF30A5            | Upper frame aluminum profile                 | L         | 1        |
| SF30A6            | Upper frame aluminum profile                 | L – 6     | 1        |
| K35352A60         | Frame aluminum profile                       | H – 32    | 2        |
| K30202A60         | Upper frame aluminum profile                 | La + 2    | 1        |
| K50152A60         | Upper frame aluminum profile                 | 2 Lm – 70 | 1        |
| SF30G1            | Gasket on the closing side                   | Hm        | 2        |
| SF30G2            | Gasket on the opening side                   | Hm        | 4        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Hm – 104  | 12       |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Lm – 50   | 12       |
| KSP415            | Lower brush 4x15 mm                          | Lm        | 4        |
| KSP699            | Frame brush 6,9x9 mm                         | Hm        | 4        |
| KSP699            | Frame brush 6,9x9 mm                         | Lm        | 2        |
| SF30K1            | Kit of brackets and screws for 1 leaf        | -         | 4        |
| SF30K2            | Kit of brackets and screws for 1 side screen | -         | 2        |

#### 14.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Lm – 50  | 6        |
| Hg           | Glass height | Hm – 104 |          |

## 15. TELESCOPIC DOOR WITH 2 SLIDING LEAVES + 1 SIDE SCREEN



### 15.1 CUT LIST OF TELESCOPIC DOOR WITH 2 SLIDING LEAVES + 1 SIDE SCREEN

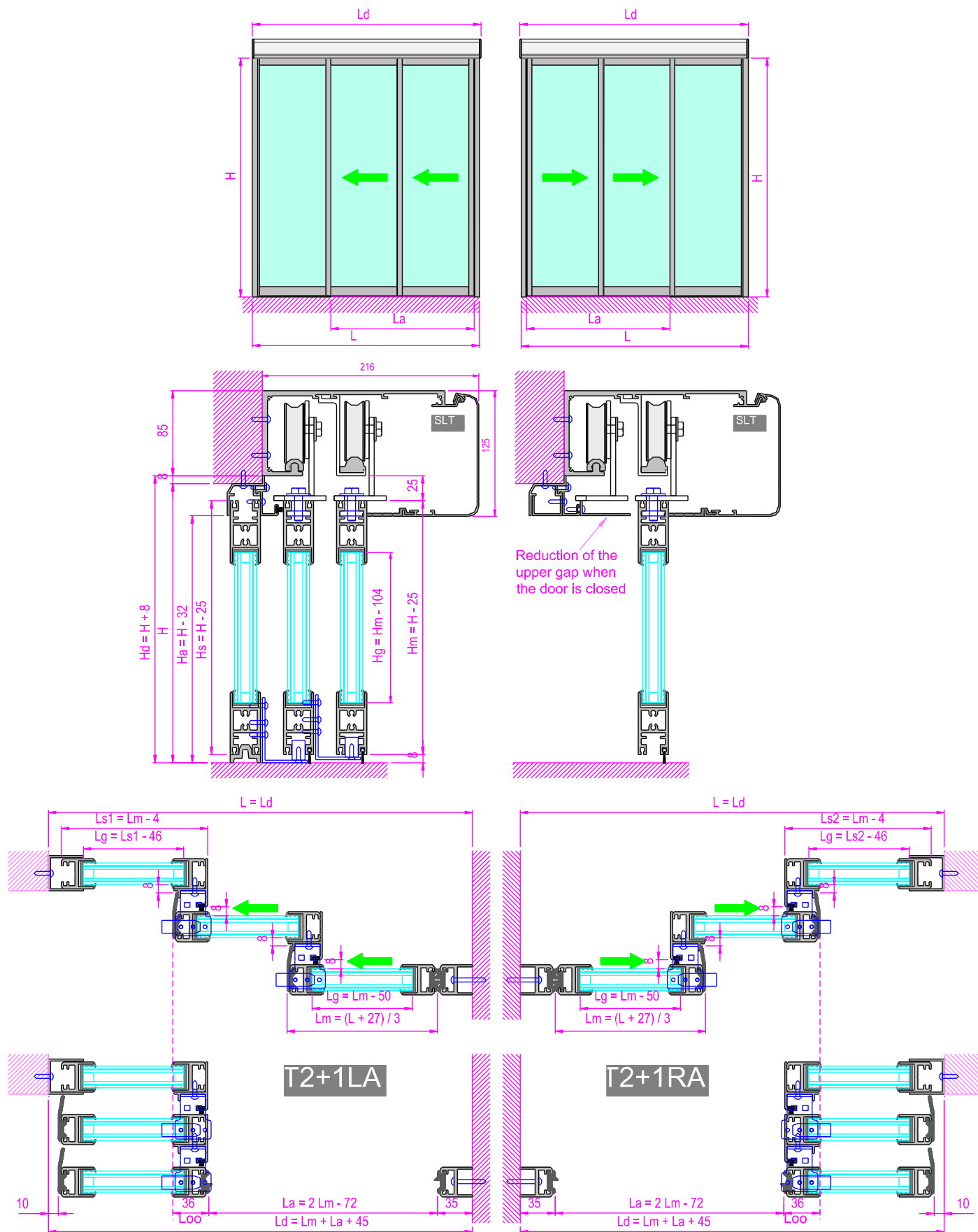
| Code              | Description                                  | Formula | Quantity |
|-------------------|----------------------------------------------|---------|----------|
| SF30A1            | Vertical aluminum profile                    | Hm      | 6        |
| SF30A2            | Horizontal aluminum profile                  | Lm – 70 | 6        |
| SF30A3            | Frame aluminum profile                       | Hm      | 1        |
| SF30A3            | Frame aluminum profile                       | H – 32  | 1        |
| SF30A4            | Lower aluminum profile on floor              | Ls + 9  | 1        |
| SF30A5            | Upper frame aluminum profile                 | L       | 1        |
| SF30A6            | Upper frame aluminum profile                 | L – 3   | 1        |
| SF30A7            | Frame profile for 1 leaf                     | H – 32  | 1        |
| K35352A60         | Frame aluminum profile                       | H – 32  | 1        |
| K50302A60         | Frame aluminum profile for 1 telescopic leaf | H – 32  | 1        |
| K303A60           | 30x3 mm flat profile                         | H – 32  | 1        |
| K30202A60         | Upper frame aluminum profile                 | La + 6  | 1        |
| K50152A60         | Upper frame aluminum profile                 | Lm – 32 | 1        |
| SF30G1            | Gasket on the closing side                   | Hm      | 2        |
| SF30G2            | Gasket on the opening side                   | Hm      | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | H – 104 | 6        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Lm – 50 | 6        |
| KSP415            | Lower brush 4x15 mm                          | Lm      | 2        |
| KSP699            | Frame brush 6,9x9 mm                         | Hm      | 2        |
| KSP699            | Frame brush 6,9x9 mm                         | Lm      | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf        | -       | 2        |
| SF30K2            | Kit of brackets and screws for 1 side screen | -       | 1        |

### 15.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Lm – 50  | 3        |
| Hg           | Glass height | Hm – 104 |          |



### 16. TELESCOPIC DOOR WITH 2 SLIDING LEAVES + 1 SIDE SCREEN ON THE PASSAGE



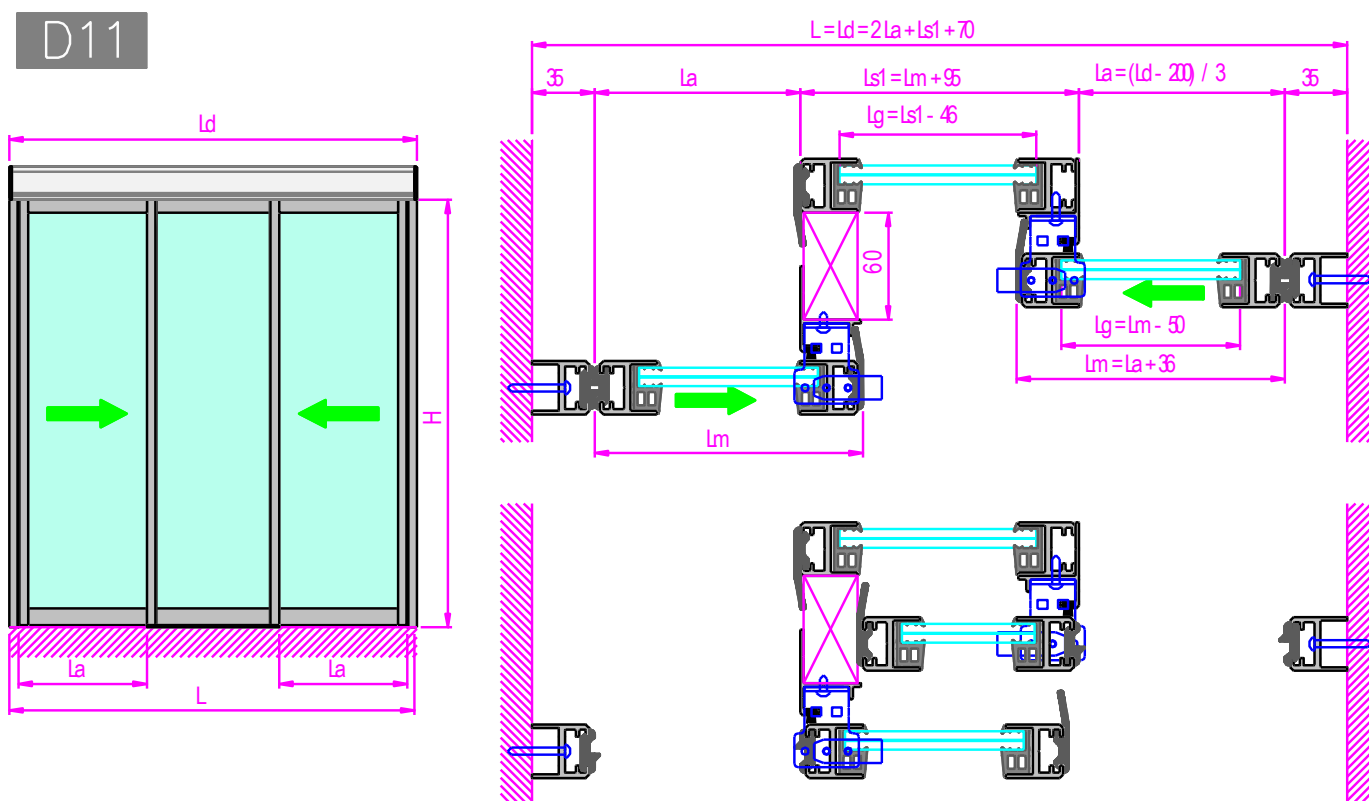
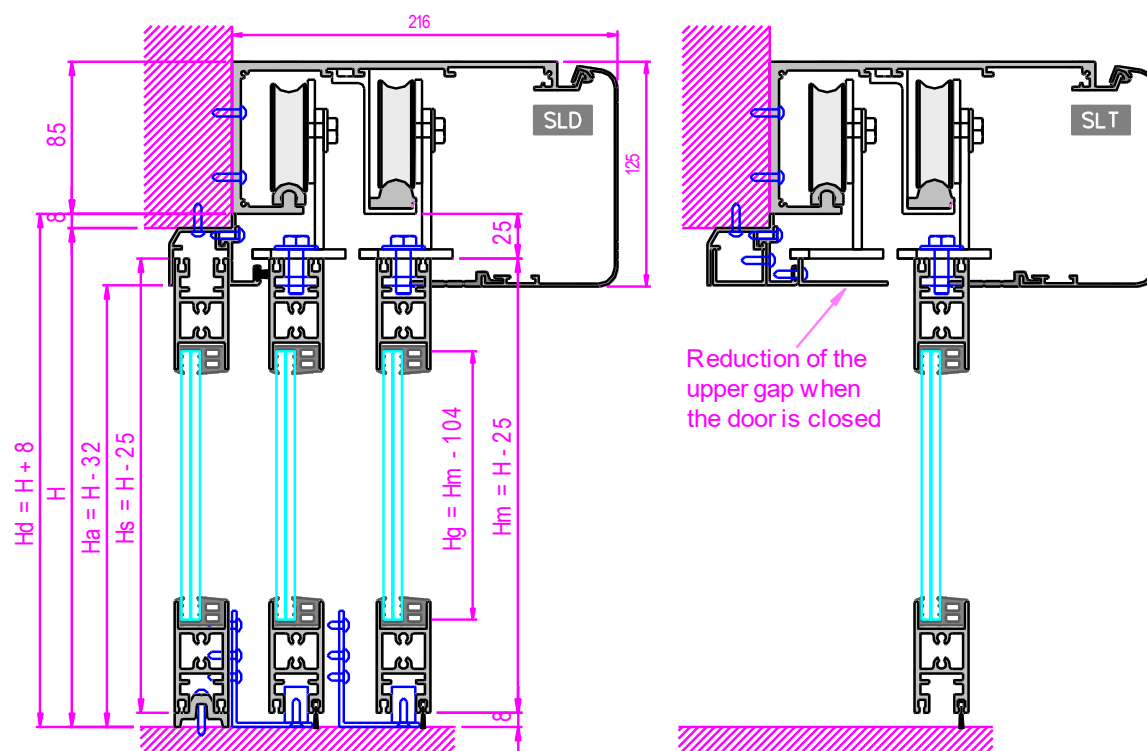
## 16.1 CUT LIST OF TELESCOPIC DOOR WITH 2 SLIDING LEAVES + 1 SIDE SCREEN ON THE PASSAGE

| Code              | Description                                  | Formula | Quantity |
|-------------------|----------------------------------------------|---------|----------|
| SF30A1            | Vertical aluminum profile                    | Hm      | 6        |
| SF30A1            | Vertical aluminum profile                    | H – 32  | 1        |
| SF30A2            | Horizontal aluminum profile                  | Lm – 70 | 6        |
| SF30A3            | Frame aluminum profile                       | Hm      | 1        |
| SF30A3            | Frame aluminum profile                       | H – 32  | 1        |
| SF30A4            | Lower aluminum profile on floor              | Ls + 9  | 1        |
| SF30A5            | Upper frame aluminum profile                 | L       | 1        |
| SF30A6            | Upper frame aluminum profile                 | L – 6   | 1        |
| K35352A60         | Frame aluminum profile                       | H – 32  | 1        |
| K30202A60         | Upper frame aluminum profile                 | La + 36 | 1        |
| K50152A60         | Upper frame aluminum profile                 | Lm      | 1        |
| SF30G1            | Gasket on the closing side                   | Hm      | 2        |
| SF30G2            | Gasket on the opening side                   | Hm      | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | H – 104 | 6        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Lm – 50 | 6        |
| KSP415            | Lower brush 4x15 mm                          | Lm      | 2        |
| KSP699            | Frame brush 6,9x9 mm                         | Hm      | 2        |
| KSP699            | Frame brush 6,9x9 mm                         | Lm      | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf        | -       | 2        |
| SF30K2            | Kit of brackets and screws for 1 side screen | -       | 1        |

## 16.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Lm – 50  | 3        |
| Hg           | Glass height | Hm – 104 |          |

### 17. TWO SLIDING DOORS WITH 1 LEAF



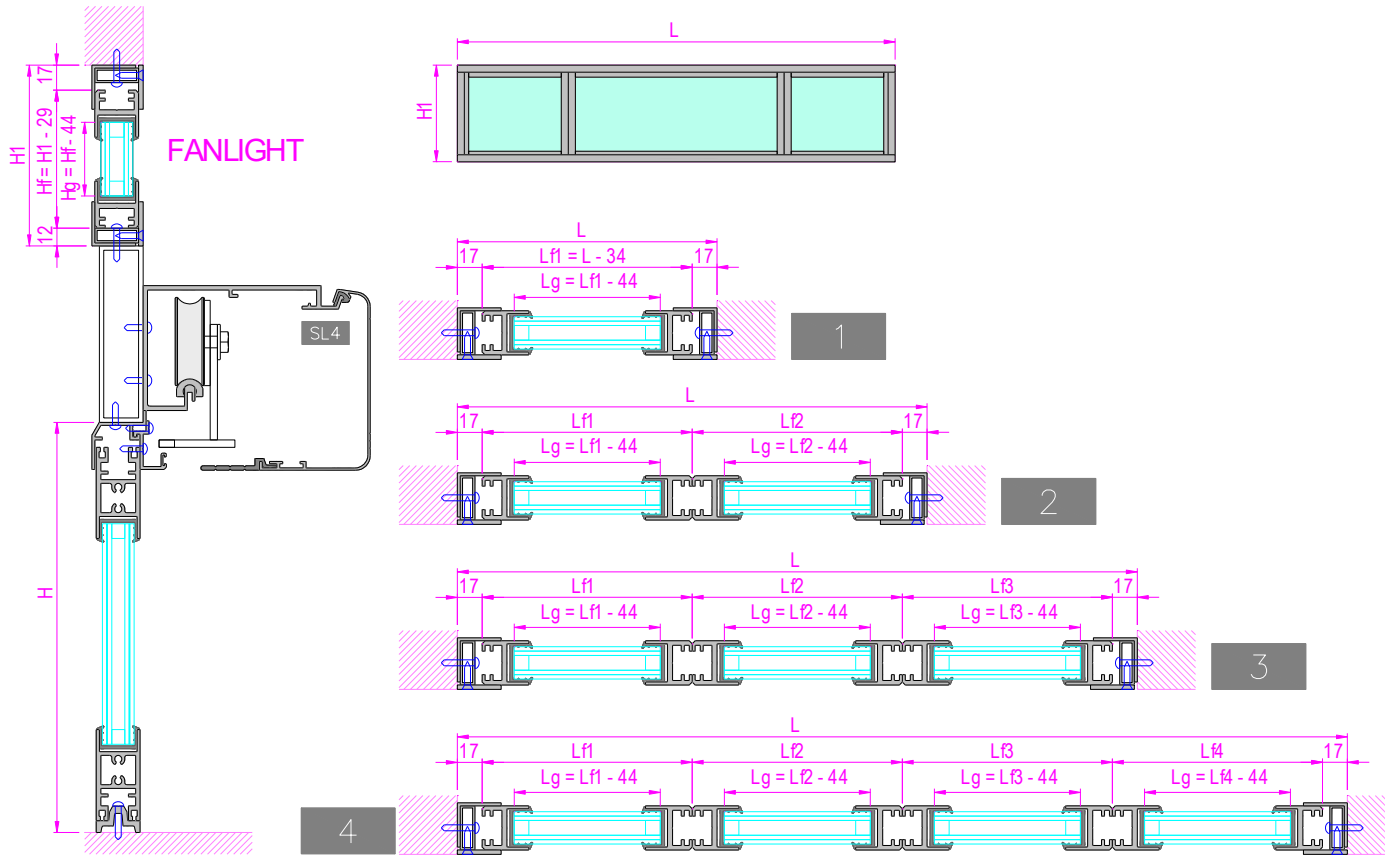
### 17.1 CUT LIST OF TWO SLIDING DOORS WITH 1 LEAF

| Code              | Description                                  | Formula  | Quantity |
|-------------------|----------------------------------------------|----------|----------|
| SF30A1            | Vertical aluminum profile                    | Hm       | 6        |
| SF30A1            | Vertical aluminum profile                    | H – 32   | 2        |
| SF30A2            | Horizontal aluminum profile                  | Lm – 70  | 4        |
| SF30A2            | Horizontal aluminum profile                  | Ls1 – 66 | 2        |
| SF30A3            | Frame aluminum profile                       | H – 32   | 2        |
| SF30A4            | Lower aluminum profile on floor              | Ls1 – 8  | 1        |
| SF30A5            | Upper frame aluminum profile                 | L        | 1        |
| SF30A6            | Upper frame aluminum profile                 | L – 6    | 1        |
| K30202A60         | Upper frame aluminum profile                 | La + 35  | 2        |
| K50152A60         | Upper frame aluminum profile                 | Lm       | 1        |
| SF30G1            | Gasket on the closing side                   | Hm       | 4        |
| SF30G2            | Gasket on the opening side                   | Hm       | 3        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | H – 104  | 6        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Lm – 50  | 4        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Ls1 – 46 | 2        |
| KSP415            | Lower brush 4x15 mm                          | Lm       | 2        |
| KSP699            | Frame brush 6,9x9 mm                         | Hm       | 2        |
| KSP699            | Frame brush 6,9x9 mm                         | Lm       | 1        |
| SF30K1            | Kit of brackets and screws for 1 leaf        | -        | 2        |
| SF30K2            | Kit of brackets and screws for 1 side screen | -        | 1        |

### 17.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description                    | Formula  | Quantity |
|--------------|--------------------------------|----------|----------|
| Lg           | Glass width                    | Lm – 50  | 2        |
| Hg           | Glass height                   | Hm – 104 |          |
| Lg           | Glass width of central screen  | Ls1 – 46 | 1        |
| Hg           | Glass height of central screen | Hm – 104 |          |

18. FANLIGHT



18.1 CUT LIST OF FANLIGHT

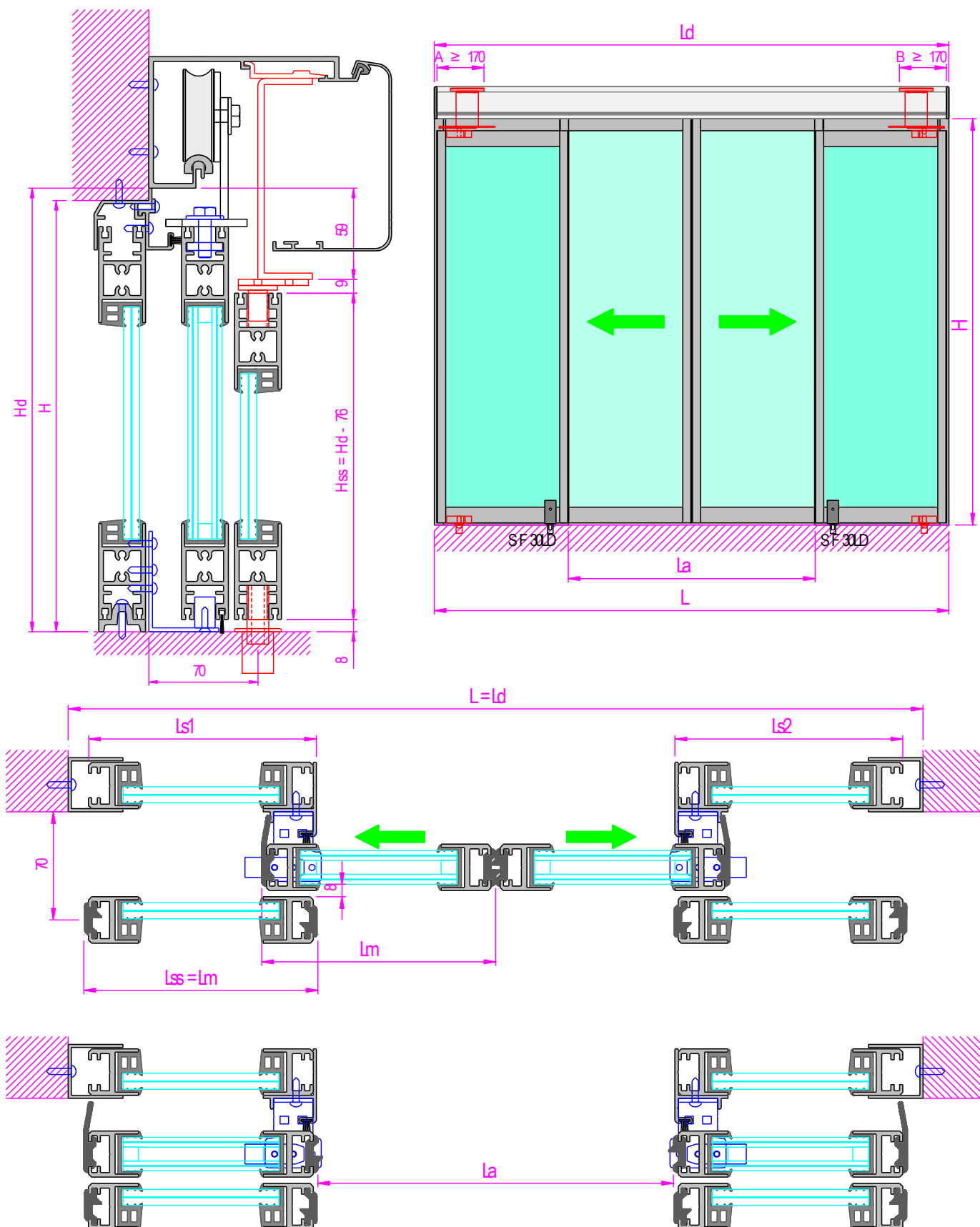
| Code              | Description                               | Formula       | Quantity |
|-------------------|-------------------------------------------|---------------|----------|
| SF30A1            | Vertical aluminum profile                 | $H_f$         | 2        |
| SF30A1            | Vertical aluminum profile                 | $L_{f1} - 64$ | 2        |
| K302A60           | Frame aluminum profile                    | $L$           | 2        |
| K302A60           | Frame aluminum profile                    | $H_1 - 60$    | 2        |
| K303A60           | 30x3 mm flat profile                      | $L$           | 2        |
| K303A60           | 30x3 mm flat profile                      | $H_1 - 60$    | 2        |
| K301015G60        | Frame aluminum profile                    | $L$           | 2        |
| K301015G60        | Frame aluminum profile                    | $H_1 - 60$    | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)  | $H_{f1} - 44$ | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)  | $L_f - 44$    | 2        |
| SF30K5            | Kit of brackets and screws for 1 fanlight | -             | 1        |

18.2 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula    | Quantity |
|--------------|--------------|------------|----------|
| $L_g$        | Glass width  | $L_f - 44$ | 1        |
| $H_g$        | Glass height | $H_f - 44$ |          |

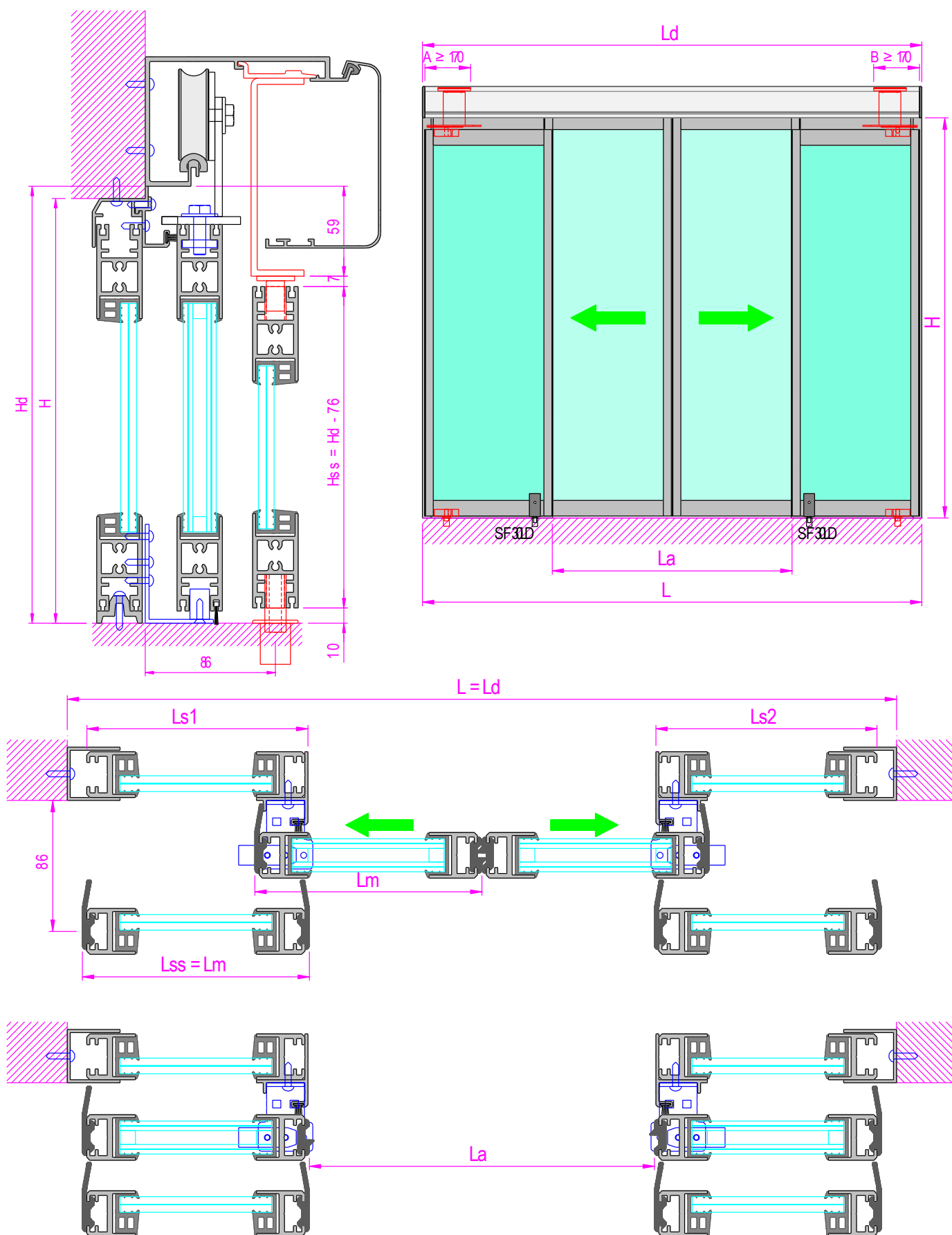
## 19. DOOR WITH 2 SIDE PROTECTIONS (gap 70 mm)

Note: Check that size A (referring to the position of the belt transmission) and size B (referring to the position of the motor) are at least 170 mm.



## 19.1 DOOR WITH 2 SIDE PROTECTIONS (gap 86 mm)

Note: Check that size A (referring to the position of the belt transmission) and size B (referring to the position of the motor) are at least 170 mm.



## 19.2 CUT LIST OF DOOR WITH 2 SIDE PROTECTIONS

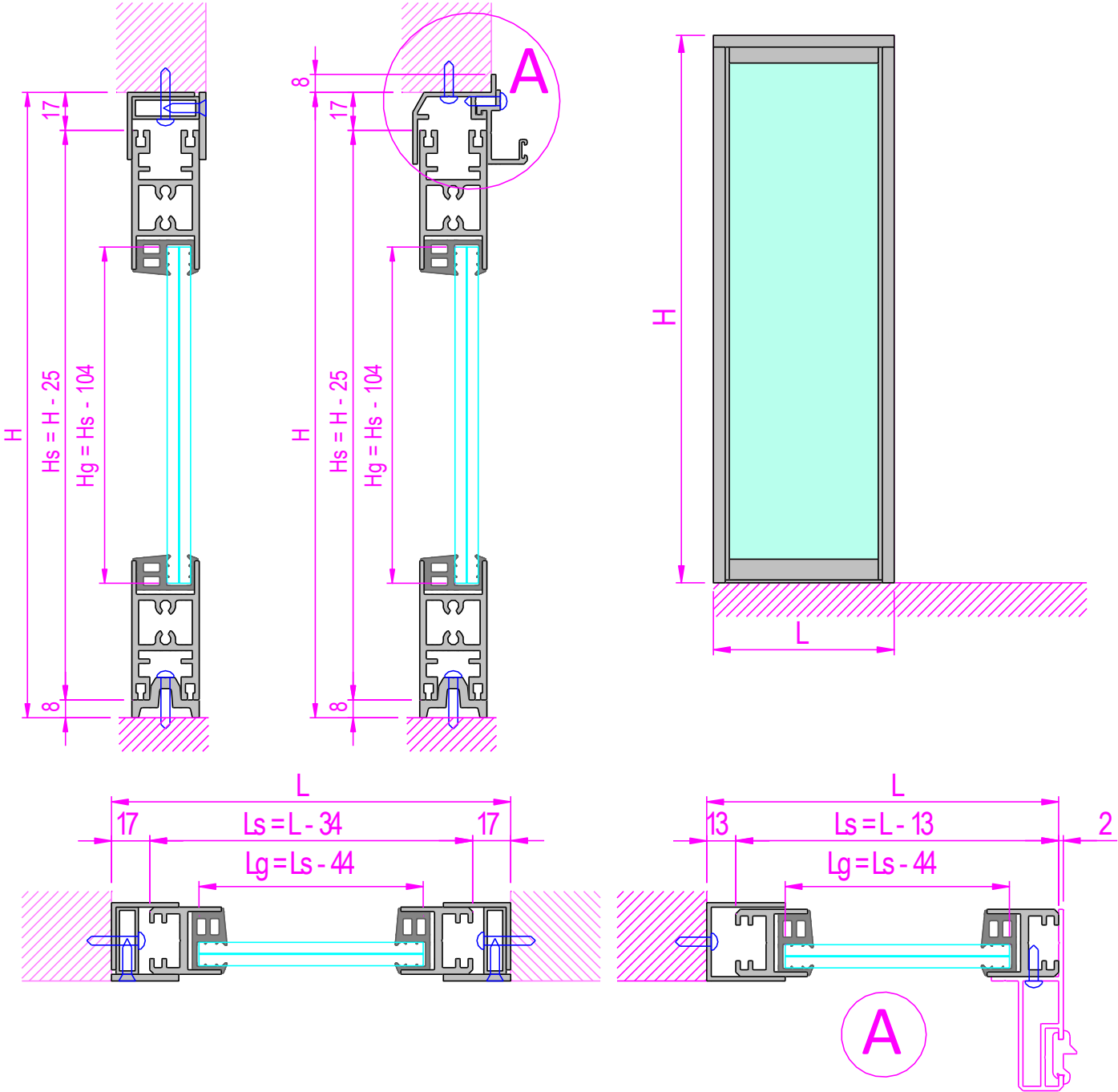
| Code               | Description                                      | Formula   | Quantity |
|--------------------|--------------------------------------------------|-----------|----------|
| SF30A1             | Vertical aluminum profile                        | Hss       | 4        |
| SF30A2             | Horizontal aluminum profile                      | Lss – 70  | 4        |
| SF30G1 (gap 70 mm) | Gasket on the closing side                       | Hss       | 4        |
| SF30G2 (gap 86 mm) | Gasket on the opening side                       | Hss       | 4        |
| SF30G10            | Gasket for glass 8 mm thickness                  | Hss – 104 | 4        |
| SF30G10            | Gasket for glass 8 mm thickness                  | Lss – 50  | 4        |
| SF30K6             | Kit of brackets and screws for 1 side protection | -         | 2        |
| SF30LD             | Locking device on the floor                      | -         | 2        |

## 19.3 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula   | Quantity |
|--------------|--------------|-----------|----------|
| Lg           | Glass width  | Lss – 50  | 2        |
| Hg           | Glass height | Hss – 104 |          |



20. WINDOW



## 20.1 WINDOW CUTTING LIST

| Code              | Description                                  | Formula  | Quantity |
|-------------------|----------------------------------------------|----------|----------|
| SF30A1            | Vertical aluminum profile                    | Hs       | 2        |
| SF30A2            | Horizontal aluminum profile                  | Ls – 64  | 2        |
| SF30A4            | Lower aluminum profile on floor              | Ls       | 1        |
| K302A60           | Frame aluminum profile                       | H – 30   | 2        |
| K301015G60        | Frame aluminum profile                       | H – 30   | 2        |
| K303A60           | 30x3 mm flat profile                         | H – 30   | 2        |
| K302A60           | Frame aluminum profile                       | L        | 1        |
| K301015G60        | Frame aluminum profile                       | L        | 1        |
| K303A60           | 30x3 mm flat profile                         | L        | 1        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Hf1 – 44 | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Lf – 44  | 2        |
| SF30K2            | Kit of brackets and screws for 1 side screen | -        | 1        |

## 20.2 WINDOW CUTTING LIST (VARIANT A)

| Code              | Description                                  | Formula  | Quantity |
|-------------------|----------------------------------------------|----------|----------|
| SF30A1            | Vertical aluminum profile                    | Hs       | 2        |
| SF30A2            | Horizontal aluminum profile                  | Ls – 64  | 2        |
| SF30A3            | Frame aluminum profile                       | Ls       | 1        |
| SF30A4            | Lower aluminum profile on floor              | L        | 1        |
| SF30A5            | Upper frame aluminum profile                 | L        | 1        |
| SF30A6            | Upper frame aluminum profile                 | H – 32   | 1        |
| K35352A60         | Frame aluminum profile                       | H – 32   | 1        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Hs – 104 | 2        |
| SF30G10 (SF30G22) | Gasket for glass 10 mm thickness (22 mm)     | Ls – 44  | 2        |
| SF30K2            | Kit of brackets and screws for 1 side screen | -        | 1        |

## 20.3 GLASS DIMENSION (NOT SUPPLIED BY US)

| Abbreviation | Description  | Formula  | Quantity |
|--------------|--------------|----------|----------|
| Lg           | Glass width  | Ls – 50  | 1        |
| Hg           | Glass height | Hs – 104 |          |