LINE SYSTEMS

ME & Africa by Phoenix Design

PA 100

Design Guide

PA 100

PA 100 was developed according to the principles of modern partitioning. Its versatile structure allows for a wide range of finishings for the opaque version, as well as several modulation schemes, making it a perfect solution for dynamic spaces.

PA 100 follows our principles of versatility, that we feel every partition should have, in order to fit the most unique project. Thus, the acoustic performance of our PA 100 Partition, can be worked in order to fit the most demanding projects.

LINESYSTEMS

PA 100 GLASS

TYPE

Modular demountable partition, composed of double independent panels, allowing access points throughout all its length. Total thickness of 108 mm

STRUCTURE

Freestanding, composed of vertical and horizontal elements in anodized or lacquered aluminium.

FLOOR AND CEILING VIEW

Floor and ceiling track, in aluminium with a view of 30mm.

LINESYSTEMS

PA 100 - OPAQUE

MODULES

19mm melamine panels with various finishes (natural wood veneer, HPL, Magnetic and Melamine) with a 1 or 2mm PVC edge banding. Acoustic insulation through 60mm mineral rock wool with a density of 70 kg/m³.
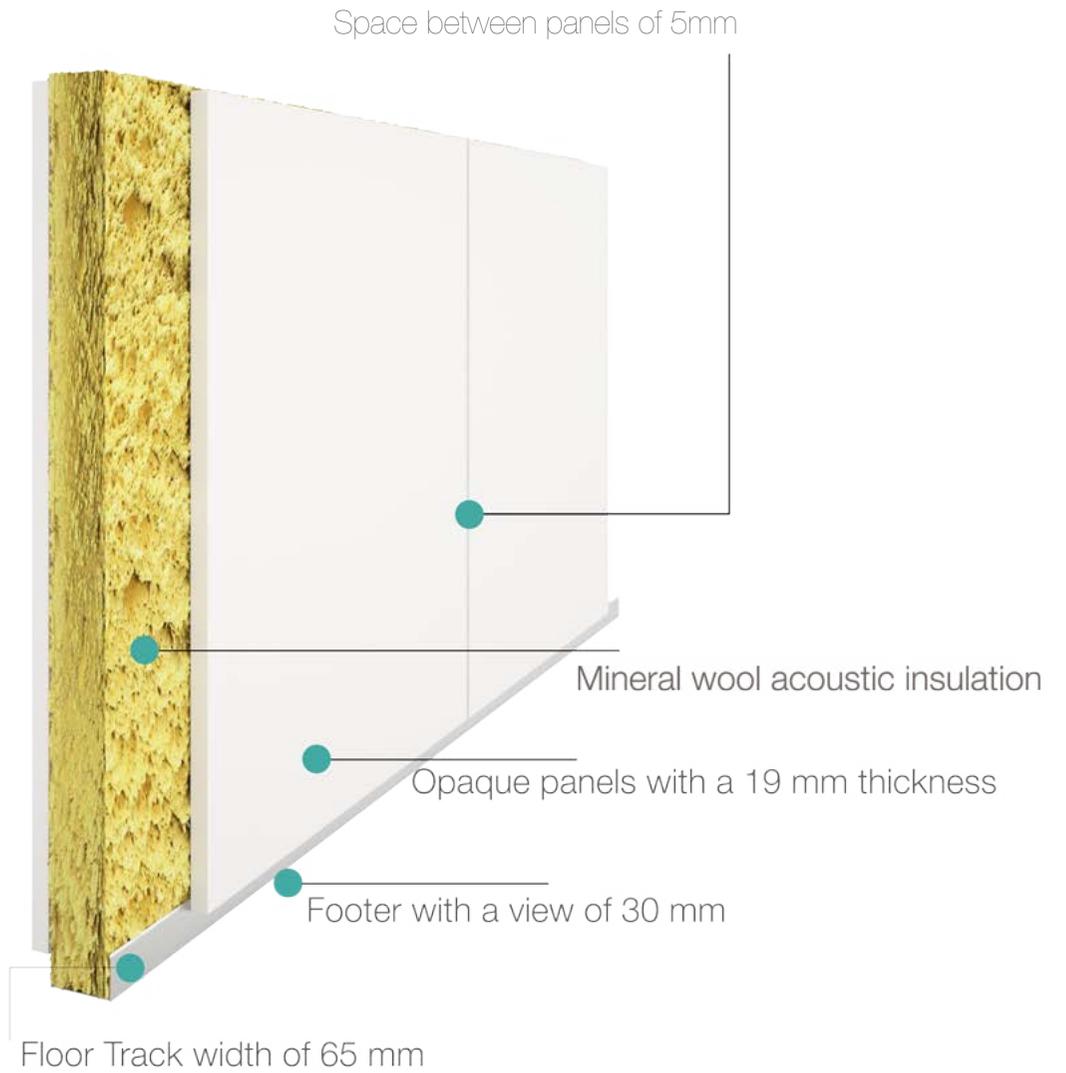
The panels are placed through Line Systems clip and fix system (keeping a hidden structure), allowing for an easy and quick installation and the creation of access panels. Space between panels of 3 to 5 mm.

LINESYSTEMS

PA 100 - OPAQUE

ACOUSTIQUE INSULATION

Certified by the Portuguese National
Engineering Laboratory, with an
acoustic insulation of 46 to 53 dB Rw

Space between panels of 5mm

Mineral wool acoustic insulation

Opaque panels with a 19 mm thickness

Footer with a view of 30 mm

Floor Track width of 65 mm

LINE SYSTEMS

PA 100 - GLASS

MODULES

Double glazed framed modules, with glasses of 6mm with an interior space between glasses of 80mm, allowing the incorporation of blinds.
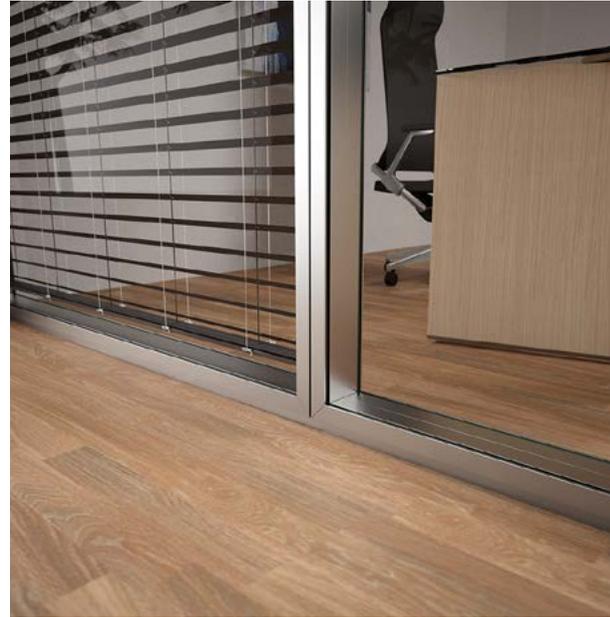
PA 100

TECHNICAL DETAILS

PA 100 Opaque with a full height panel

PA 100 Opaque with vertical modules

PA 100 Glass Modules

PA 100

TECHNICAL DETAILS
PA 100 Opaque

E: 1/2

1. 19mm Chipboard/MDF Panel
2. Clipper
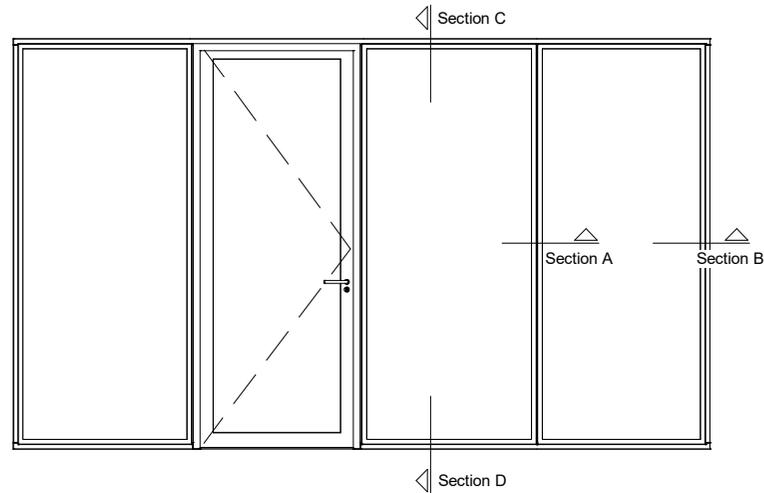3. Nylon Clip
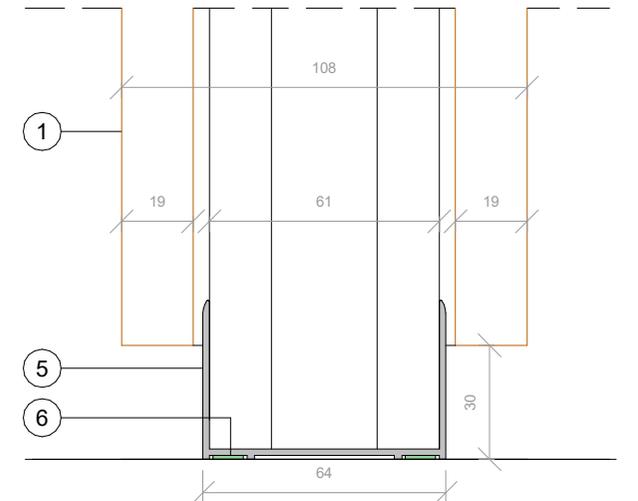4. Clipping profile
5. U Profile
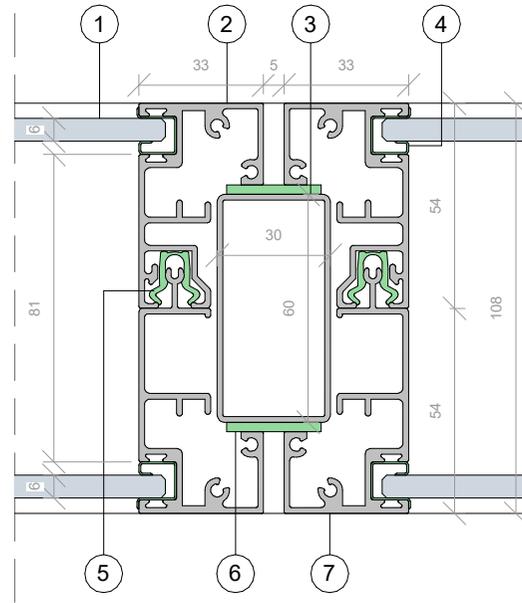6. Acoustic Foam
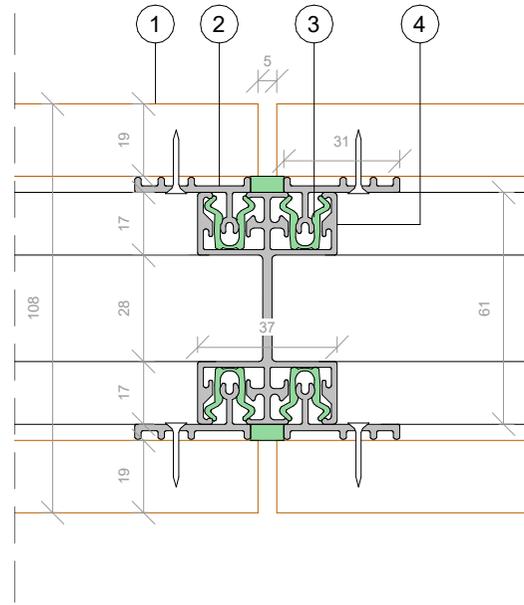
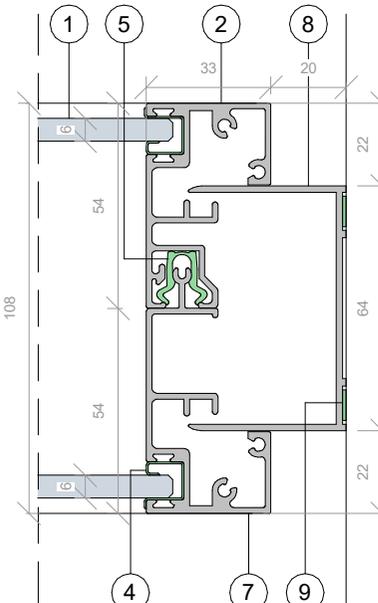Section A
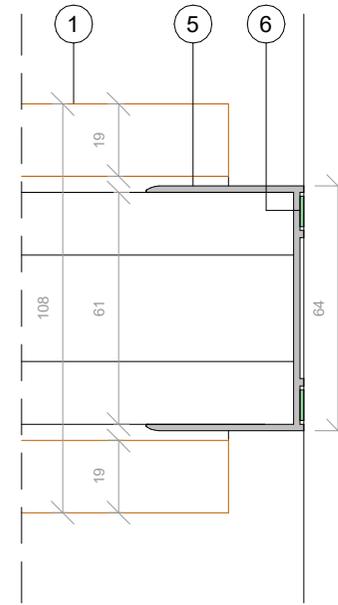
Section B
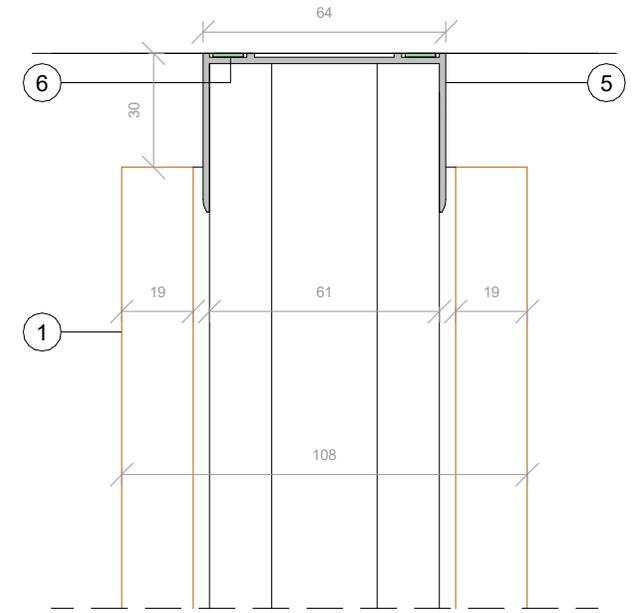
Section C

Section D

PA 100

TECHNICAL DETAILS
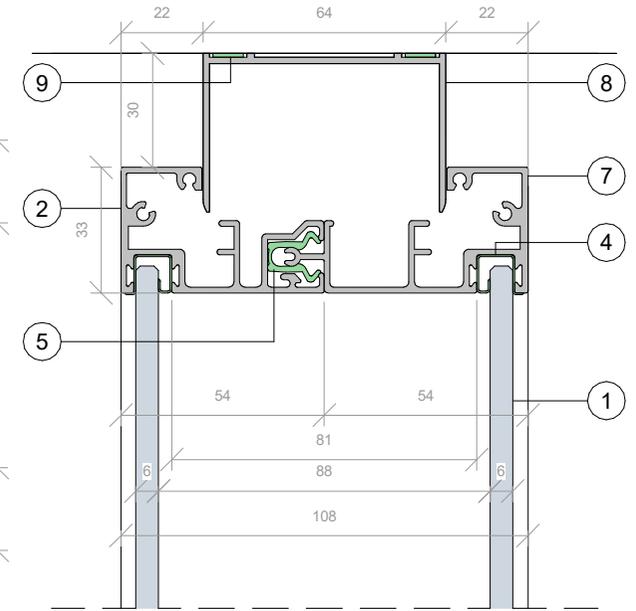## PA 100 Glass

E: 1/2

1. 6mm Glass
2. PA100 Glass Female Profile
3. 60x30 Galvanized Steel Tube
4. PVC Profile
5. Nylon Clip
6. Acoustic Foam
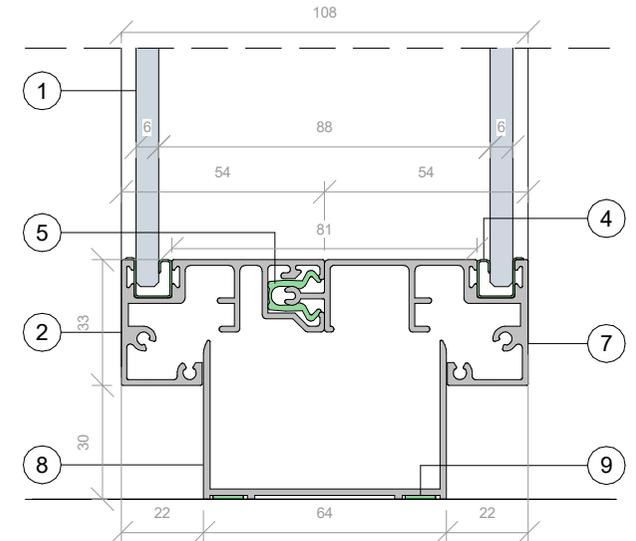7. PA100 Glass Male Profile
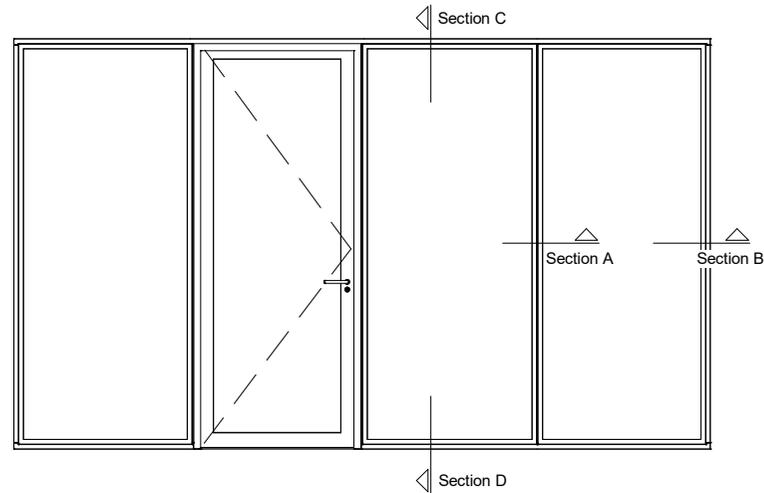8. U Profile
9. Acoustic Foam

PA 100
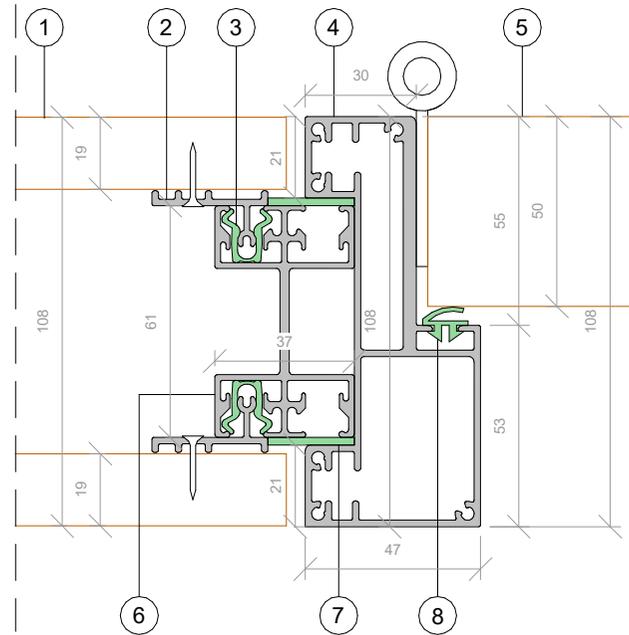Design Guide

LINESYSTEMS

Section A
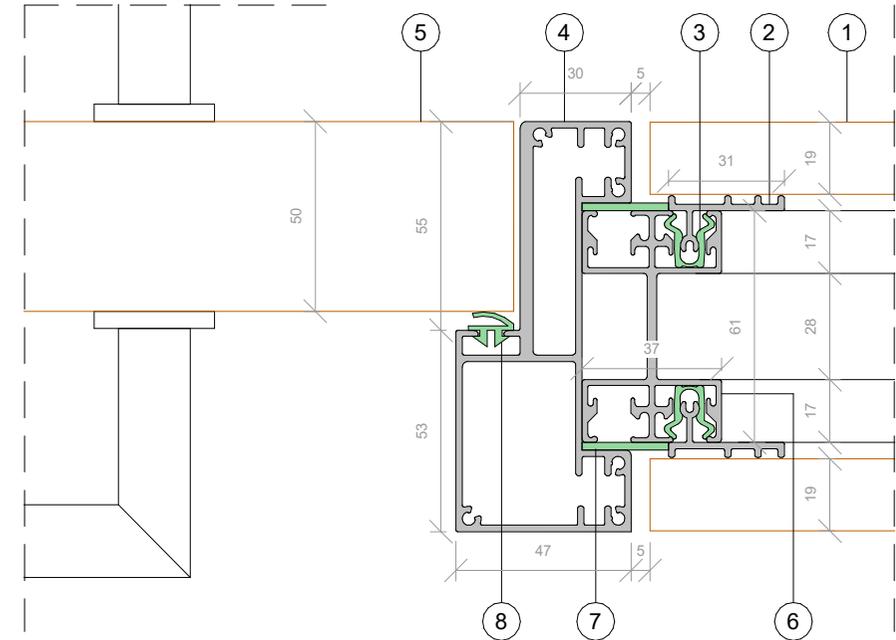
Section B

Section C

Section D

PA 100

TECHNICAL DETAILS
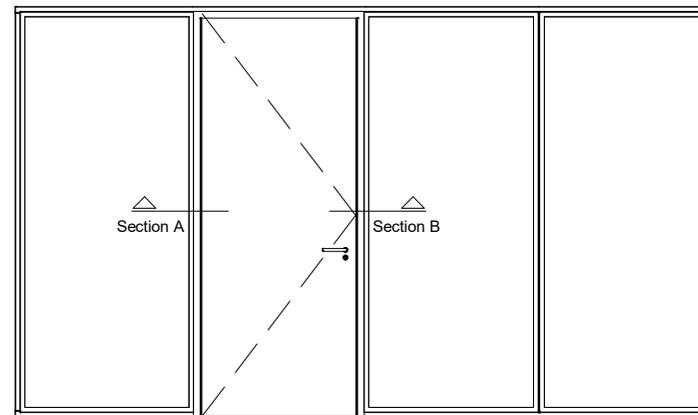## 50mm Opaque Door

E: 1/2

1. 19mm Chipboard/MDF Panel
2. Clipper
3. Nylon Clip
4. 108mm Door Frame for 50mm doors
5. 50mm Opaque Door
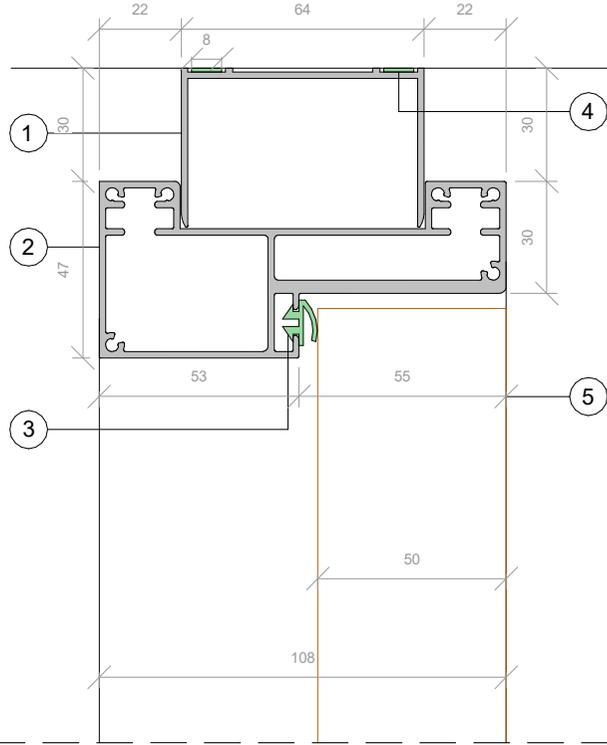6. Clipping Profile
7. Acoustic Foam
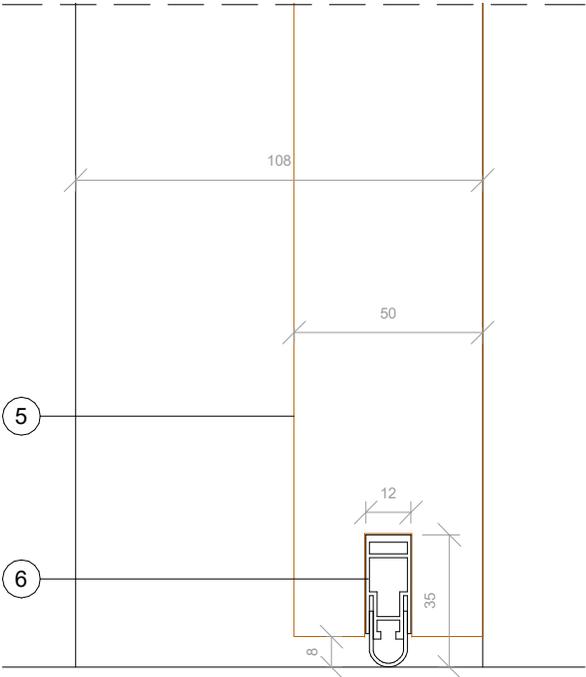8. Door Rubber

LINE SYSTEMS

Section A

Section B

PA 100

TECHNICAL DETAILS
50mm Opaque Door

E: 1/2
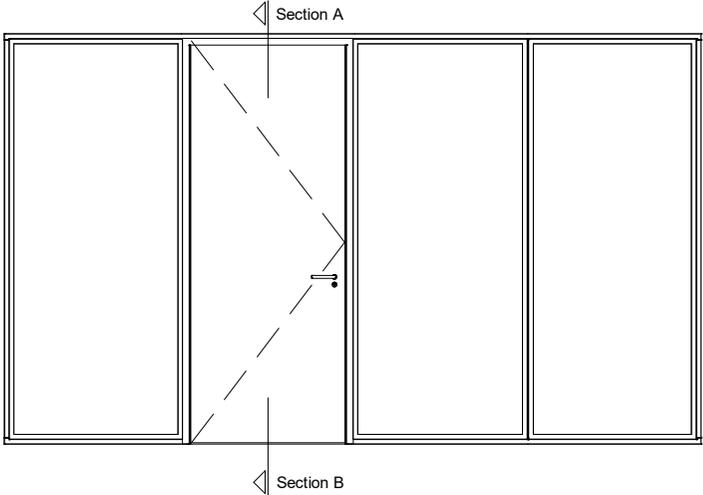
1. U Profile
2. 108mm Door Frame for 50mm doors
3. Door Rubber
4. Acoustic Foam
5. 50mm Opaque Door
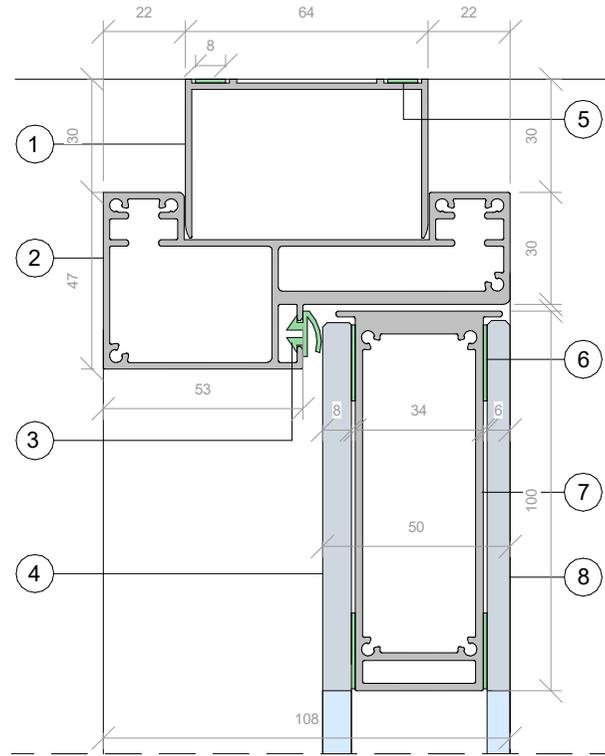6. Acoustic Drop Down Seal

Section A

Section B

Section A

Section B

LINESYSTEMS

PA 100

TECHNICAL DETAILS
50mm Double Glass Door

E: 1/2

1. 6mm glass with ceramic paint
2. PA100 Glass Female Profile
3. PVC Profile
4. 108mm Door Frame
5. THB Glue Tape
6. 50mm Double Glazed Door Profile
7. 6mm Glass
8. Nylon Clip
9. PA100 Glass Male Profile
10. 60x30 Galvanized Steel Tube
11. Acoustic Foam
12. Door Rubber
13. 8mm glass with ceramic paint
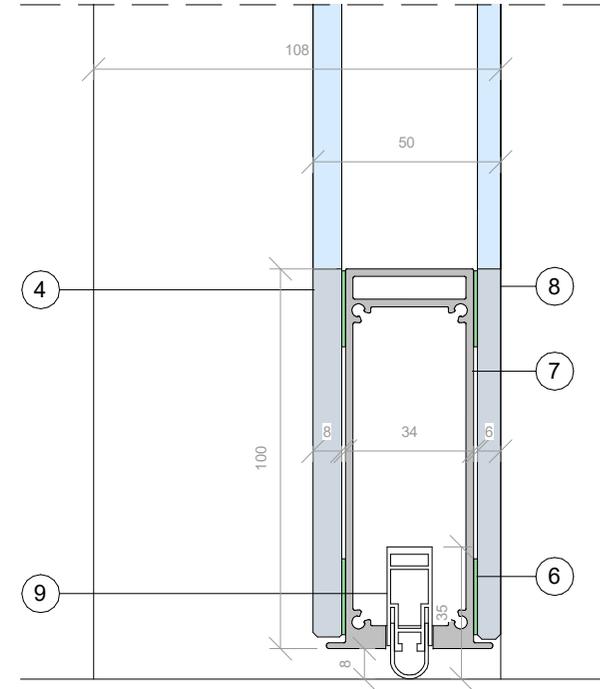
Section A

Section B

PA 100

TECHNICAL DETAILS
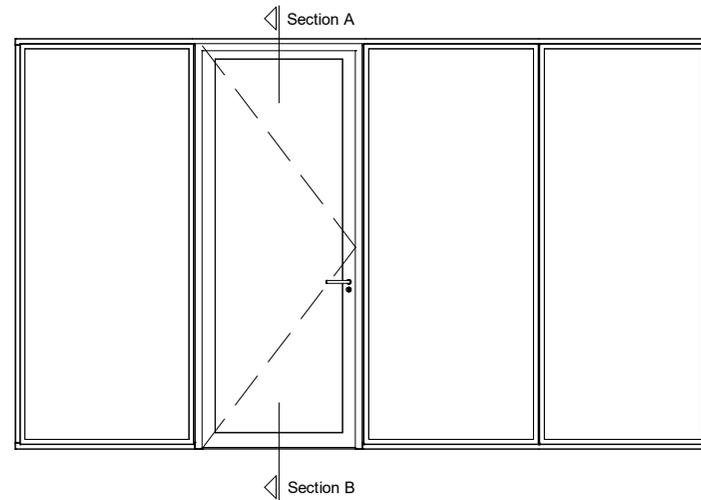## 50mm Double Glass Door

E: 1/2

1. U Profile
2. 108mm Door Frame
3. Door Rubber
4. 8mm Glass with Ceramic Paint
5. Acoustic Foam
6. THB Glue Tape
7. 50mm Double Glazed Door Profile
8. 6mm Glass with Ceramic Paint
9. Acoustic Drop Down Seal
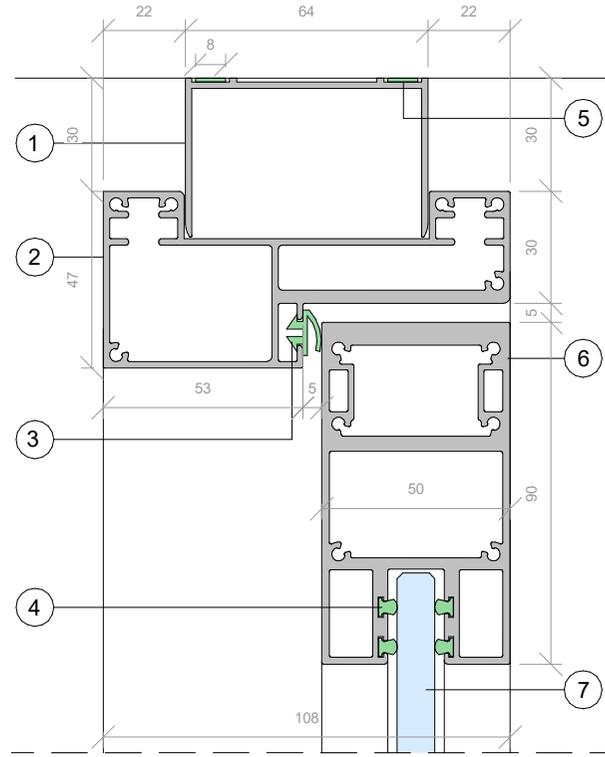
Section A

Section B

Section A

Section B

LINESYSTEMS

PA 100

TECHNICAL DETAILS
50mm Framed Single Glass Door

E: 1/2

1. 6mm Glass
2. PA100 Glass Female Profile
3. PVC Profile
4. 108mm Door Frame for 50mm Doors
5. 50mm Framed Single Glazed Door Profile
6. Polyurethane Foam Seals
7. Nylon Clip
8. PA100 Glass Male Profile
9. 60x30 Galvanized Steel Tube
10. Acoustic Foam
11. Door Rubber
12. 10mm or 12mm Glass

Section A

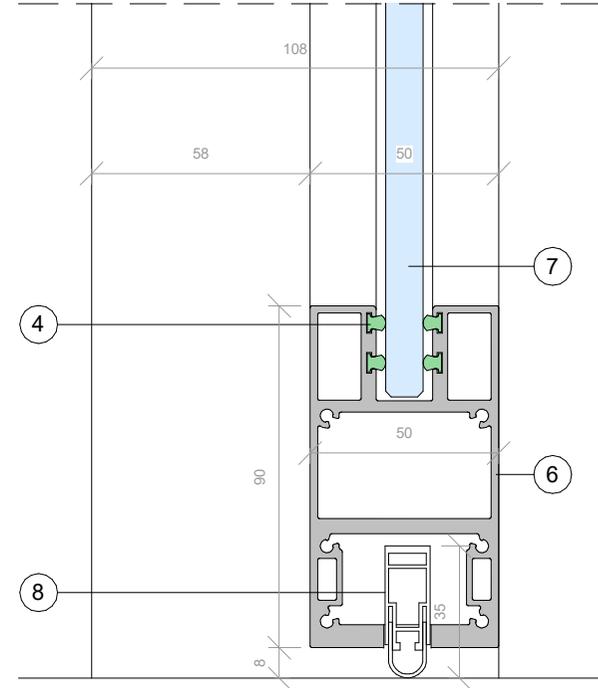Section B

LINESYSTEMS

PA 100

TECHNICAL DETAILS
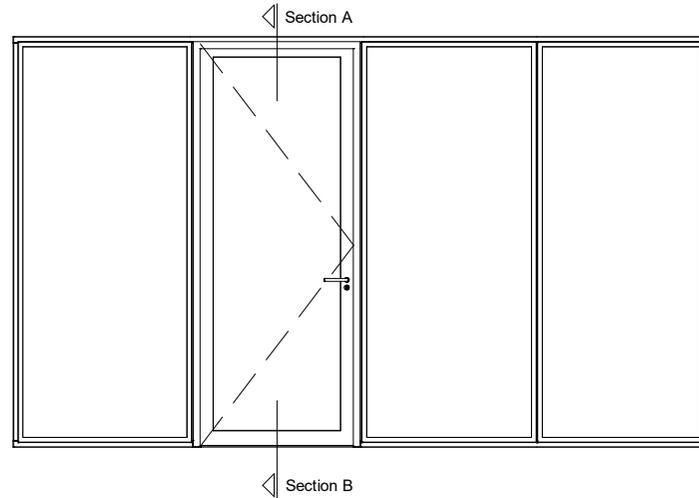## 50mm Framed Single Glass Door

E: 1/2

1. U Profile
2. 108mm Door Frame for 50mm Doors
3. Door Rubber
4. Polyurethane Foam Seals
5. Acoustic Foam
6. 50mm Framed Single Glazed Door Profile
7. 10mm or 12mm Glass
8. Acoustic Drop Down Seal

LINESYSTEMS

Section A
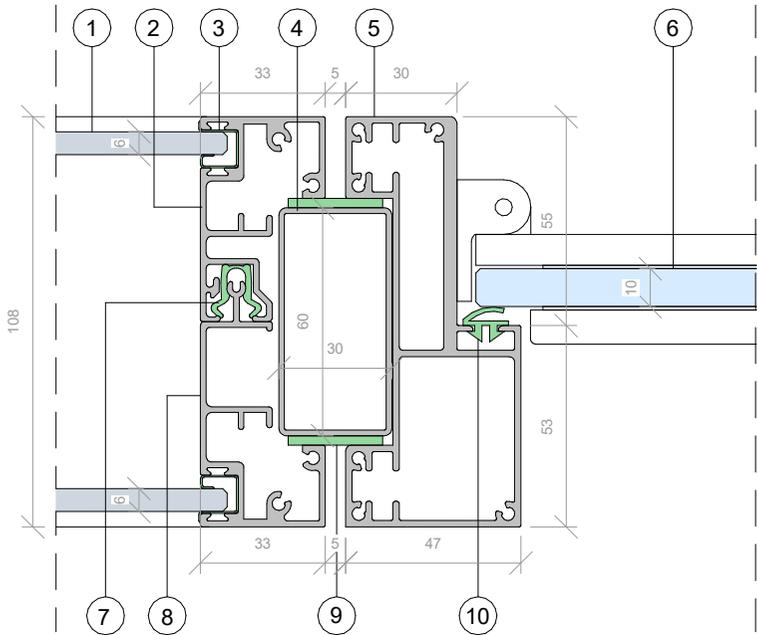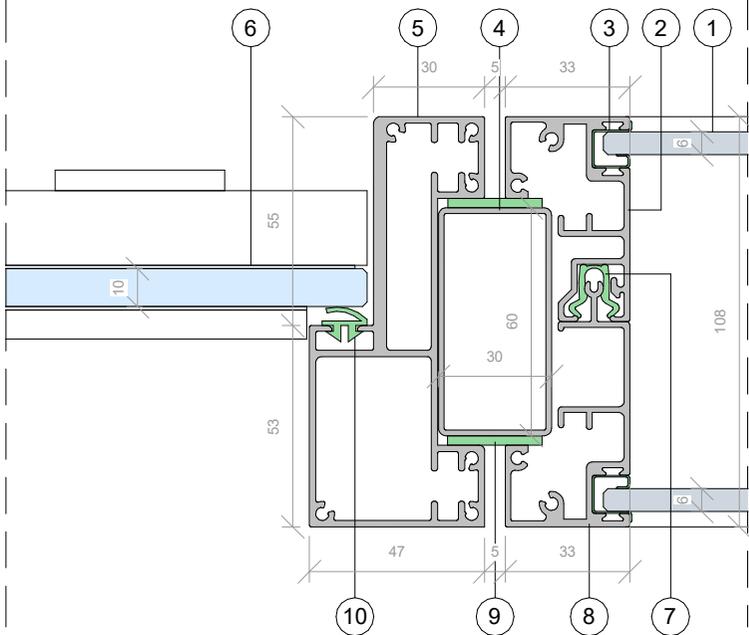
Section B

Section A

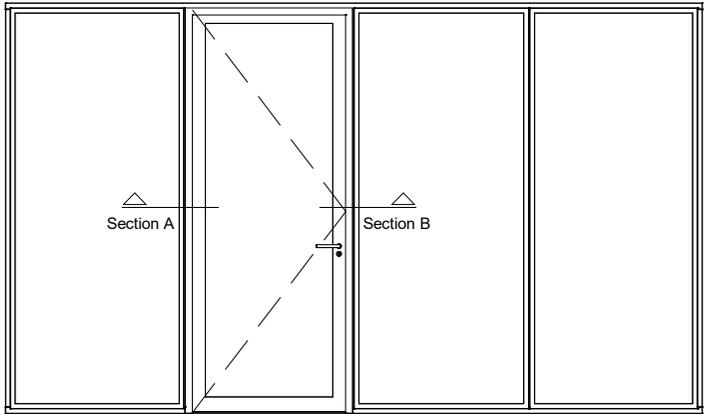Section B

PA 100

TECHNICAL DETAILS
Single Glass Door

E: 1/2

1. 6mm Glass
2. PA100 Glass Female Profile
3. PVC Profile
4. 60x30 Galvanized Steel Tube
5. 108mm Door Frame for 50mm Doors
6. 10mm Glass
7. Nylon Clip
8. PA100 Glass Male Profile
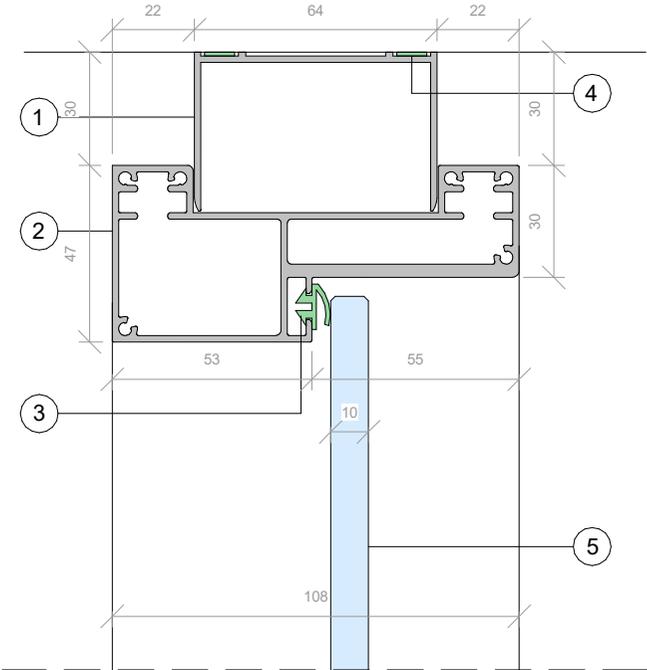9. Acoustic Foam
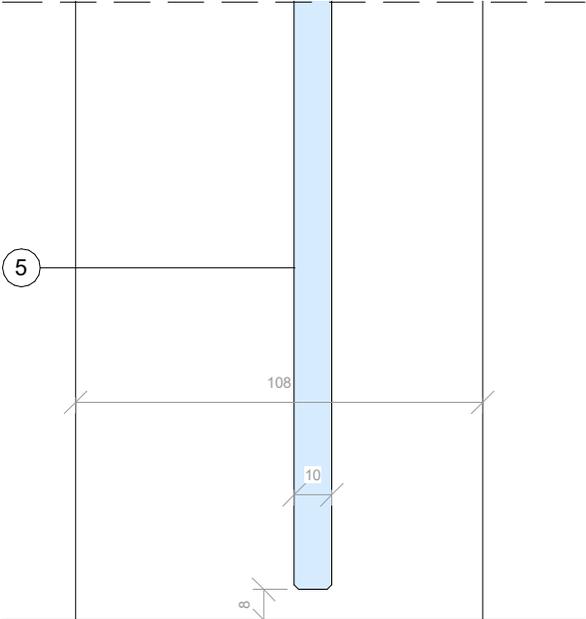10. Door Rubber

Section A

Section B

LINE SYSTEMS

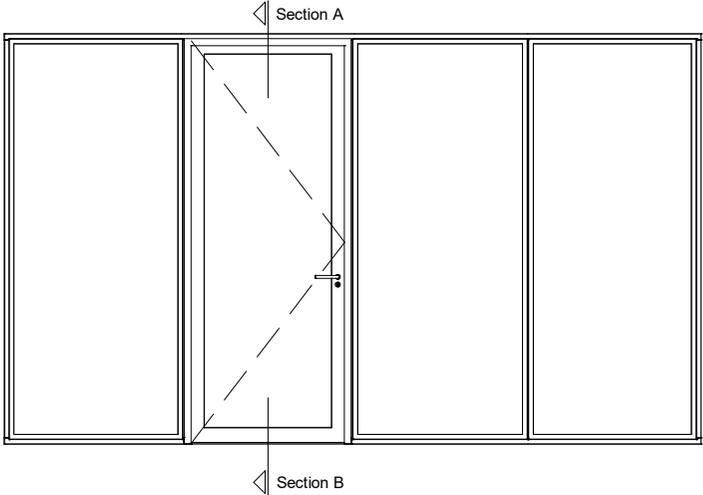# PA 100

TECHNICAL DETAILS
Single Glass Door

E: 1/2

1. U Profile
2. 108mm Door Frame for 50mm Doors
3. Door Rubber
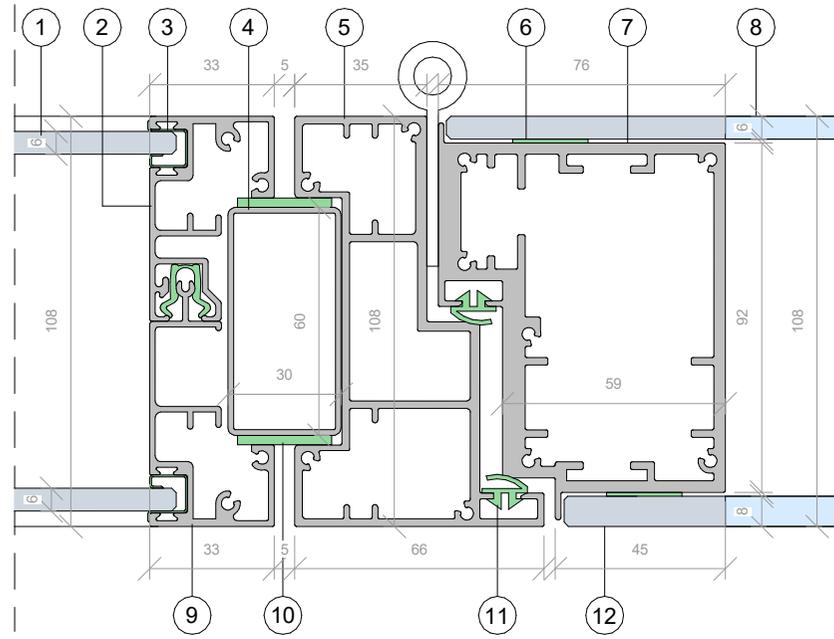4. Acoustic Foam
5. 10mm Glass

Section A

Section B
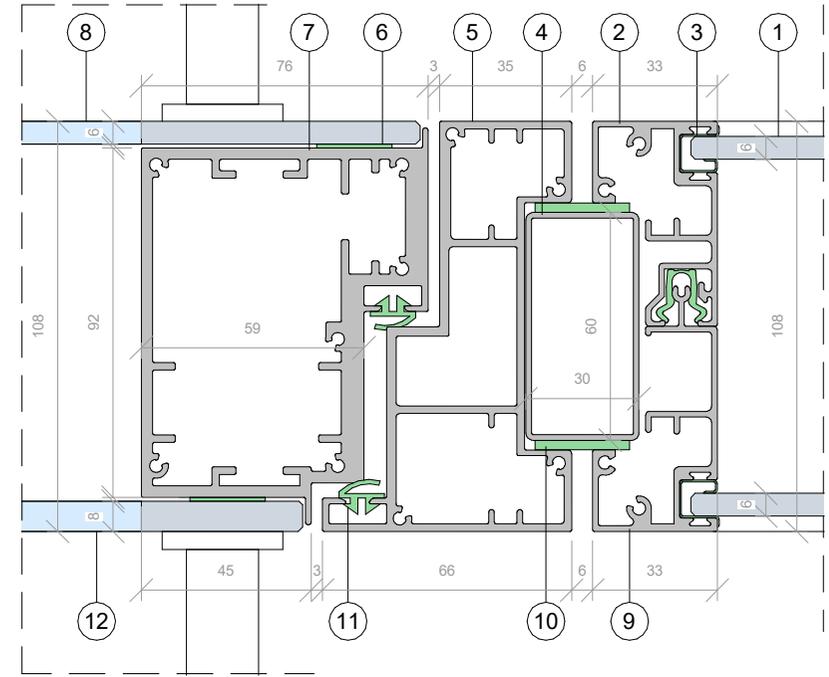
Section A

Section B

LINE SYSTEMS

PA 100

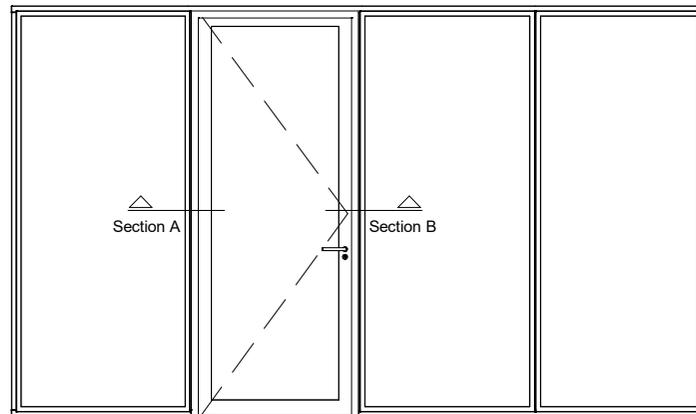## TECHNICAL DETAILS
Glass Skin Door

E: 1/2

1. 6mm Glass
2. PA100 Glass Female Profile
3. PVC Profile
4. 60x30 Galvanized Steel Tube
5. Glass Skin Door Frame
6. THB Glue Tape
7. Glass Skin Door Profile
8. 6mm Glass with Ceramic Paint
9. PA100 Glass Male Profile
10. Acoustic Foam
11. Door Rubber
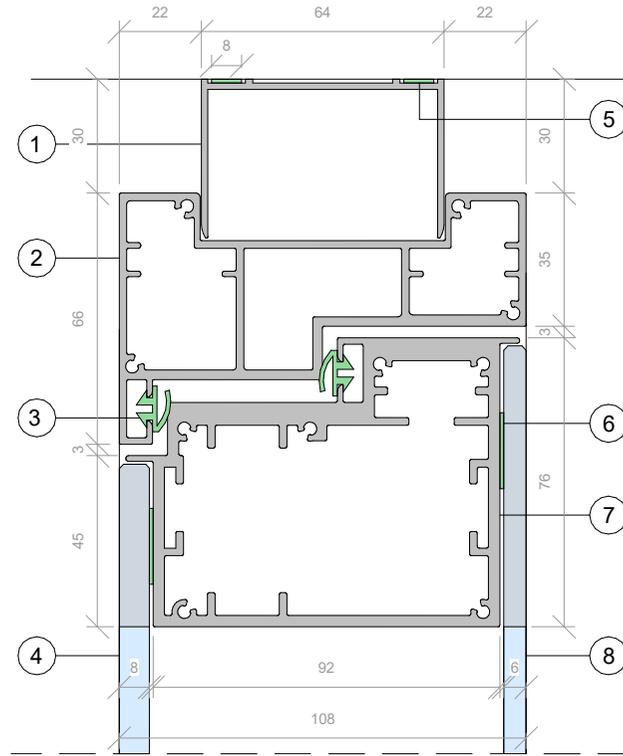12. 8mm Glass with Ceramic Paint

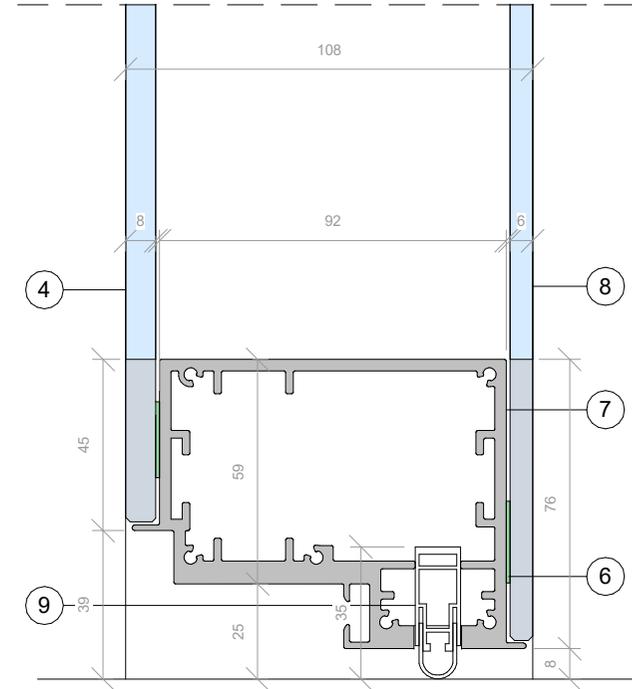Section A

Section B

LINESYSTEMS

PA 100

TECHNICAL DETAILS
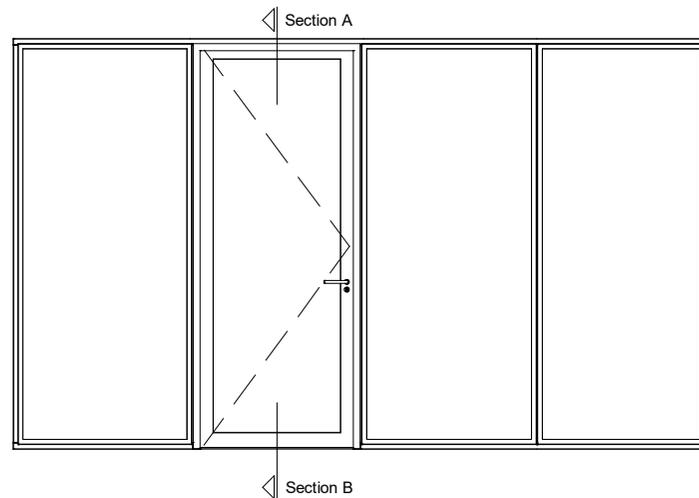## Glass Skin Door

E: 1/2

1. U Profile
2. Glass Skin Door Frame
3. Door Rubber
4. 8mm Glass with Ceramic Paint
5. Acoustic Foam
6. THB Glue tape
7. Glass Skin Door Profile
8. 6mm Glass with Ceramic Paint
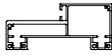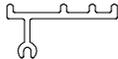9. Acoustic Drop Down Seal

Section A

Section B

LINESYSTEMS

TECHNICAL DETAILS
Components

ALUMINIUM COMPONENTS

PRODUCT REFERENCE	DETAIL	DESCRIPTION	PRODUCT REFERENCE	DETAIL	DESCRIPTION
NW.181.007		Glass Acoustic Door Frame	CA-75-57		U Profile
L83147		PA100 Panel Clipper	NW.181.001		Glass Skin Door Frame
L83146		PA100 Clipping Profile	NW.181.002		Glass Skin Door Profile
CA-75-39		PA100 Vidro Female Profile	NW.181.005		50mm Double Glass Door Profile
CA-75-40		PA100 Vidro Male Profile	L83994		50mm Framed Single Glass Door Profile
LA00050008		60x30 Galvanized Steel Tube			
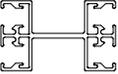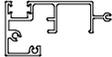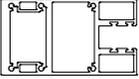
PA 100

OTHER COMPONENTS

TECHNICAL DETAILS
Components

PRODUCT REFERENCE	DETAIL	DESCRIPTION	PRODUCT REFERENCE	DETAIL	DESCRIPTION
- 4x8mm White for ceiling (IS00030010) - 4x8mm Black for the floor (IS00030009)		4x8mm Black / White Foam	- Q-Lon_IS00030085 (for 10mm glass) - Q-Lon_IS00030087 (for 12mm glass)		Polyurethane foam seals
IS00030007		3x25mm Black Foam	PV00090001		PA100 Vidro PVC Profile
IS00030031		2x5mm Black Foam	- AD00010000 (Black) - AD00010001 (White)		Nylon Clip
IS00040022		THB Glue tape 20x1mm	AD00040002		Door Rubber
AD00010008		Leveler Shim Opaque Modules	FR00050058 (Soundproof for 928mm door leaf)		Acoustic Drop Down Seal
AD00010009		Leveler Shim Glass Modules	PN00060105		12x60mm MDF
LA00020029		Profile L45 Connector 60x60x6mm			

LINESYSTEMS

LINE SYSTEMS

ME & Africa by Phoenix Design

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