



GLASS ACOUSTIC

Design Guide

GLASS ACOUSTIC

Glass Acoustic was developed taking in mind the ambiguity that some projects require, on one hand the aesthetic part, and on the other the acoustic part.

Glass Acoustic is a solution that tackles this double necessity, given that it's built with two glasses enabling an attractive design and an acoustic performance up to 46 dB Rw

Glass Acoustic was developed in order to accommodate glasses with thicknesses between 10 or 12 mm.



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TYPE

Demountable partition, composed of 10/12 mm laminated or tempered glasses allowing for total or partial glass blindness. It presents a total profile width of 108 mm.

STRUCTURE

Completely frameless (continuous glass) with an union between glasses achieved with a high transparency I-shaped PVC profile



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DOUBLE GLAZED DOOR

Double Glazed Door (like a Glass Skin Door) with two 6mm and 8mm tempered glasses glued (through a special gluing system). Both glasses receive a ceramic paint (RAL colour to define).

Door thickness of 50mm.

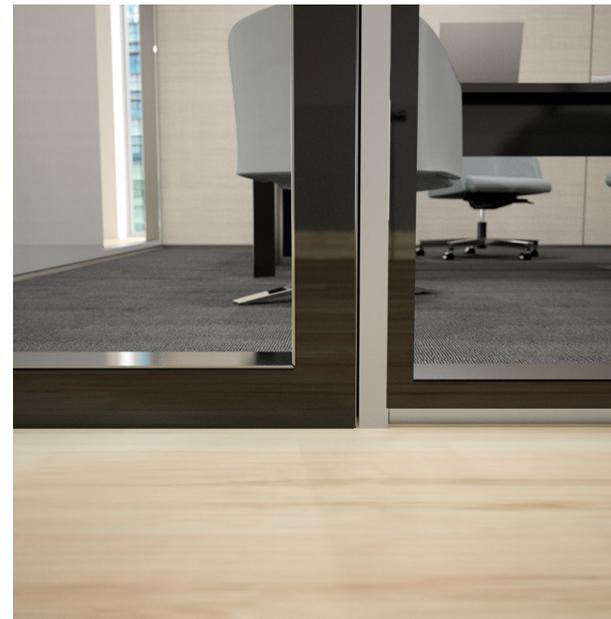


GLASS ACOUSTIC

FLUSH DOUBLE GLAZED DOOR

Door with a 108mm thickness in an aluminium frame, receiving an 8mm tempered glass on the corridor side and a 6mm tempered glass on the office side (both glasses receive a ceramic paint) Door also receive double sealing rubber and an acoustic sealing brush.

Compatible with 3D invisible hinges



GLASS ACOUSTIC

WOD GLASS ACOUSTIC

WOD stands for Workplace Optimization Doorset.

WOD is not a typical sliding door, it is a system with the goal of enhancing workplace optimization, by providing a functional space-saving door with both acoustics and aesthetics at its core.

WOD Glass Acoustic was developed to integrate seamlessly with Glass Acoustic profile, and it can be provided as:

- 1) WOD Glass Acoustic 50mm Framed Single Glazed Door
 - With a 10 or 12mm glass
- 2) WOD Glass Acoustic 50mm Double Glazed Door:
 - A double glass door with 6 and 8mm glasses
- 3) WOD Glass Acoustic Opaque
 - Wood door finished in HPL/Veneer/Melamine

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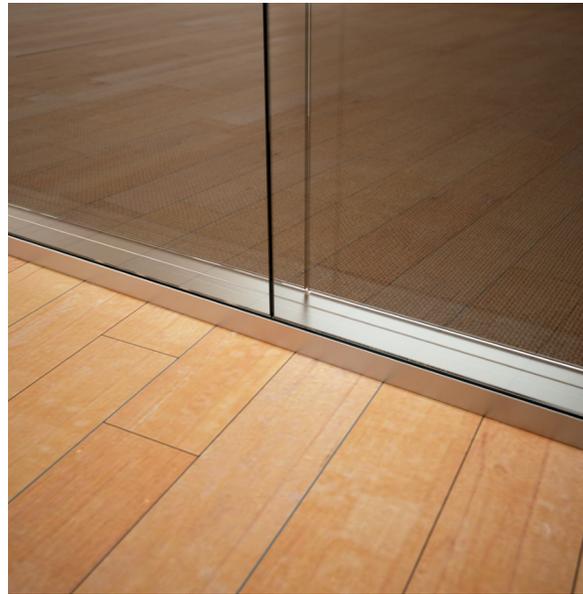
FLOOR AND CEILING

Glass Acoustic main profile with side and central covers on the floor with a view of 36mm and Glass Acoustic main profile with side and central covers and U profile for tolerance adjustment on the ceiling, with a total view of 66mm

ACOUSTIC PERFORMANCE

Certified by the Portuguese National Engineering Lab with an acoustic performance of $R_w = 46$ dB

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TECHNICAL DETAILS



Glass Acoustic

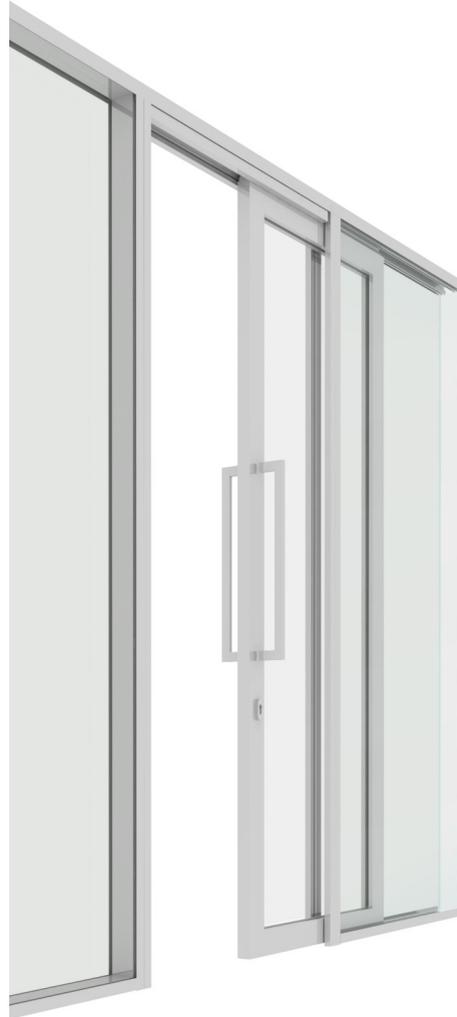


Opaque or Metal door

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WOD Glass Acoustic Sliding Door



WOD Glass Acoustic 50mm
Framed Single Glazed



WOD Glass Acoustic 50mm
Double Glazed



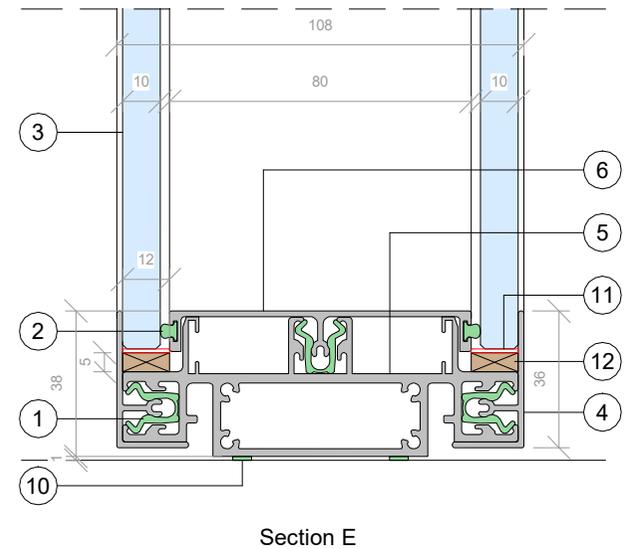
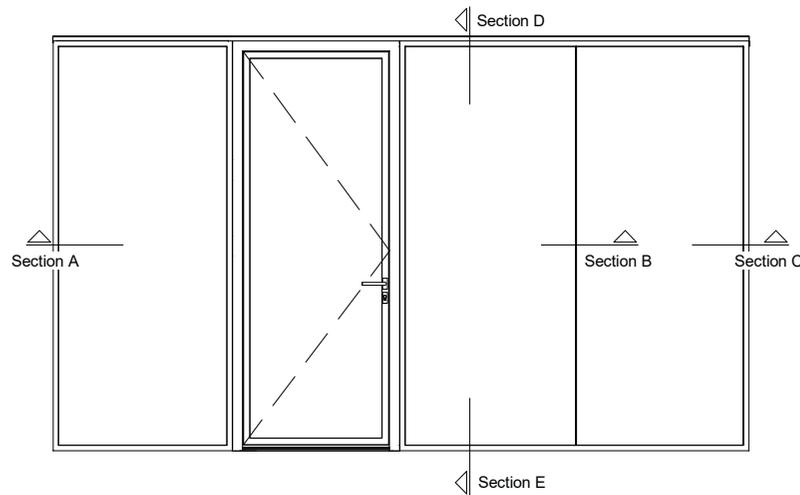
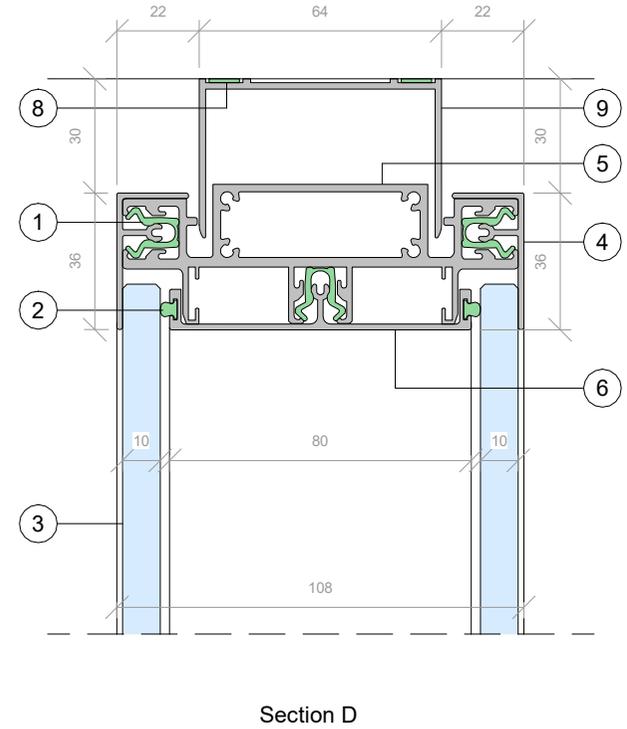
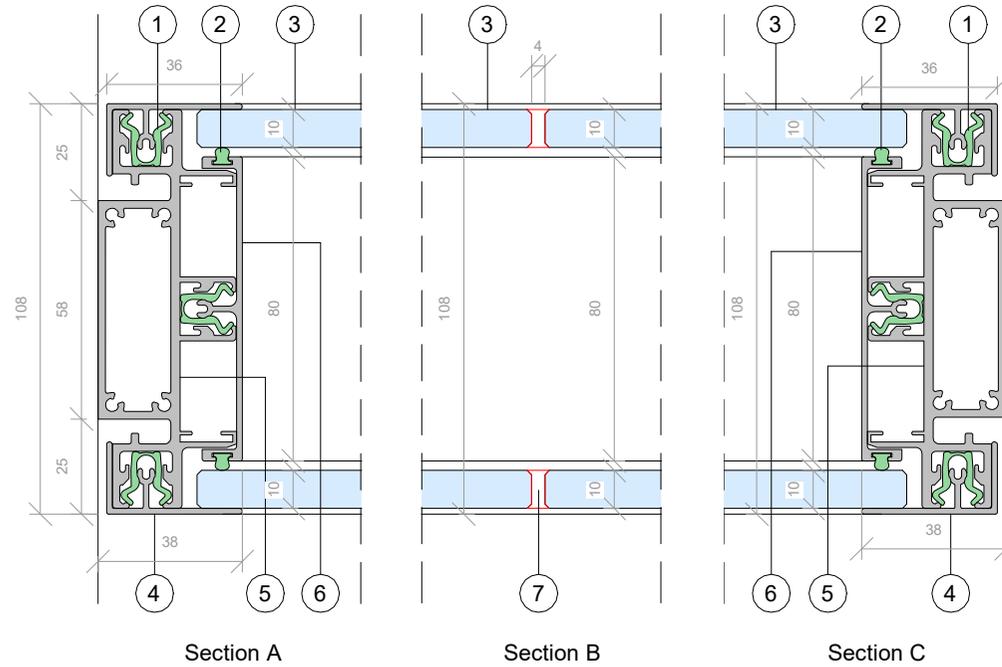
WOD Glass Acoustic 50mm
Opaque

GLASS ACOUSTIC

TECHNICAL DETAILS Glass Acoustic Panel

E: 1/2

1. Nylon Clip
2. Polyurethane foam seals
3. 10 or 12mm Glass
4. Glass Acoustic Lateral Cover
5. Glass Acoustic main profile
6. Glass Acoustic central cover
7. 180° PETG profile
8. 4x8mm White Foam
9. U Profile
10. 2x5mm White Foam
11. Glass Leveler
12. 5x12mm MDF

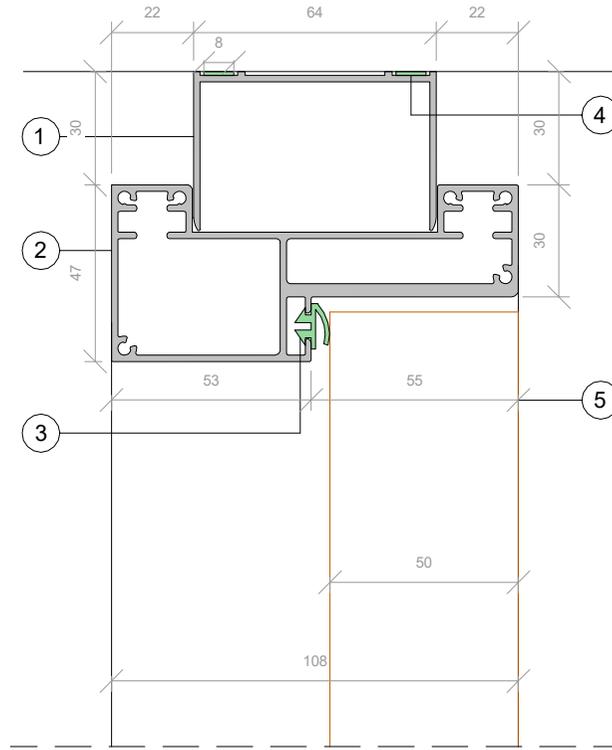


GLASS ACOUSTIC

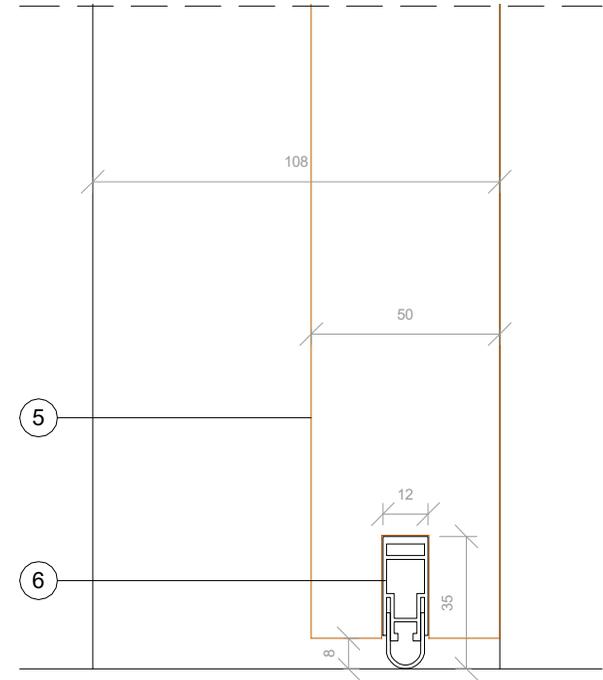
TECHNICAL DETAILS 50mm Glass Acoustic Opaque Door

E: 1/2

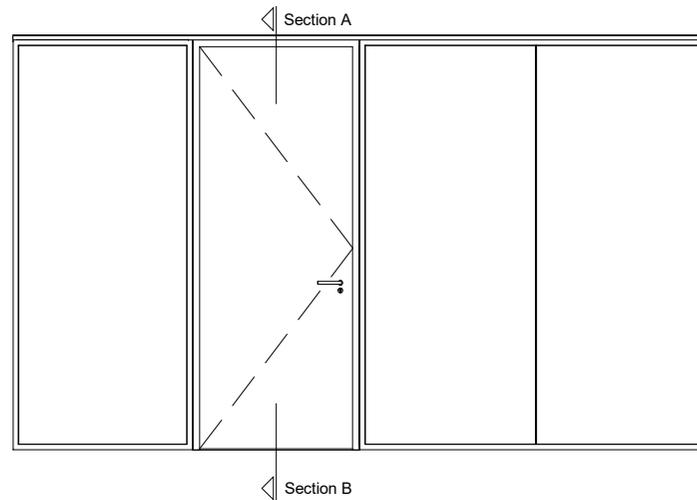
- 1. U Profile
- 2. Glass Acoustic Door Frame
- 3. Door Rubber
- 4. 4x8mm White Foam
- 5. Opaque Door
- 6. Acoustic Drop Down Seal



Section A



Section B

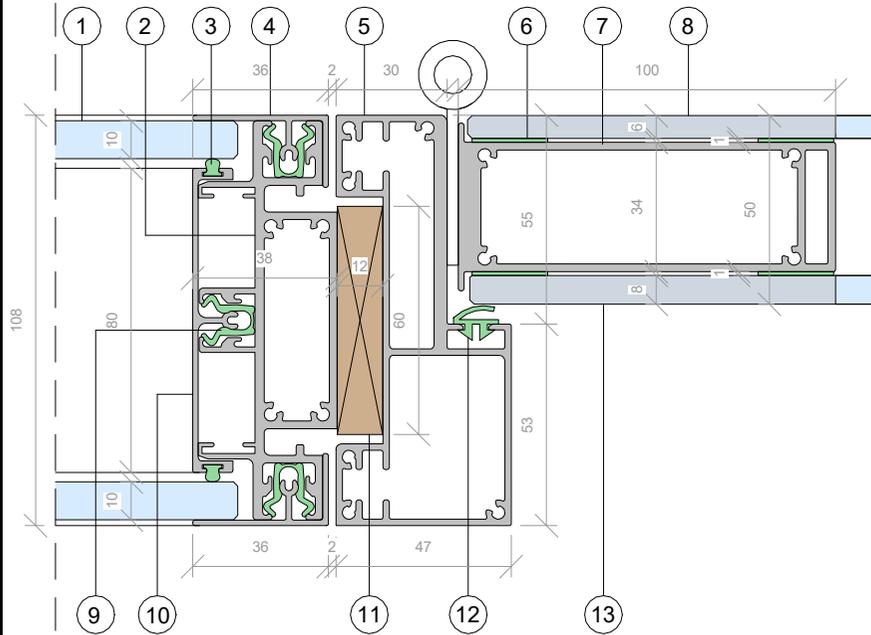


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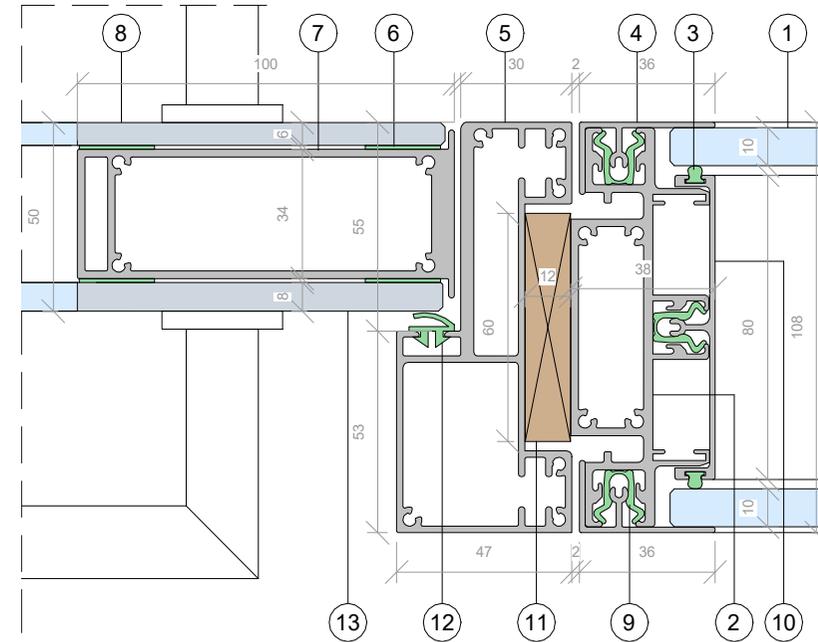
TECHNICAL DETAILS 50mm Glass Acoustic Double Glazed Door

E: 1/2

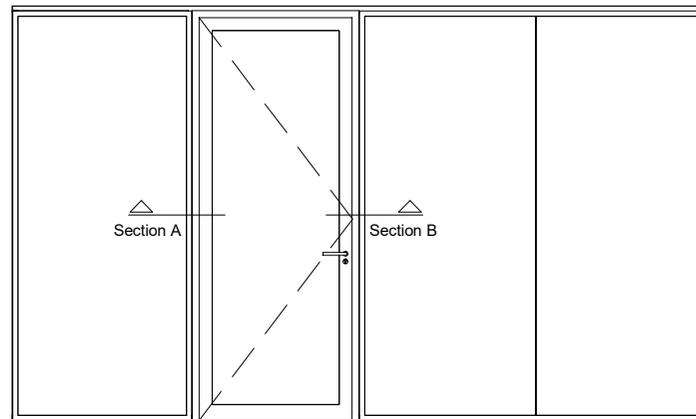
1. 10 or 12mm Glass
2. Glass Acoustic main profile
3. Polyurethane foam seals
4. Glass Acoustic Lateral Cover
5. Glass Acoustic Door Frame
6. THB Glue tape 20x1mm
7. 50mm Double Glazed Door Profile
8. 6mm Glass
9. Nylon Clip
10. Glass Acoustic central cover
11. MDF
12. Door Rubber
13. 8mm Glass



Section A



Section B

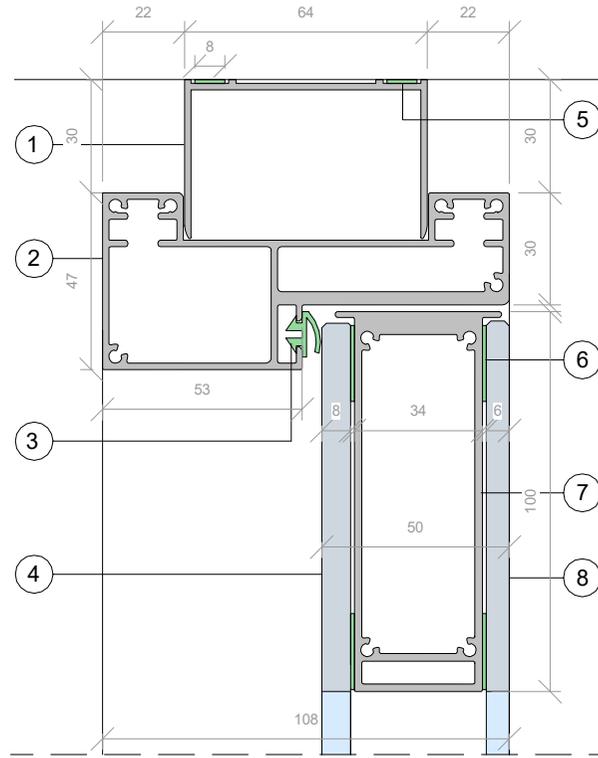


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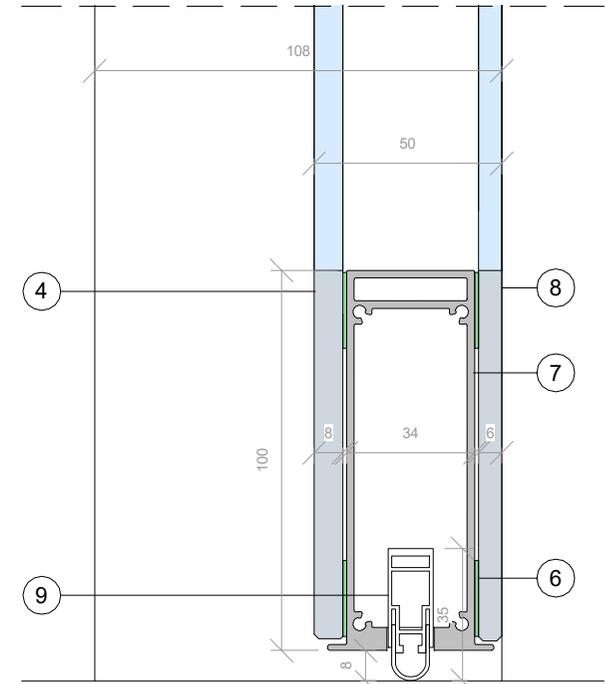
TECHNICAL DETAILS 50mm Glass Acoustic Double Glazed Door

E: 1/2

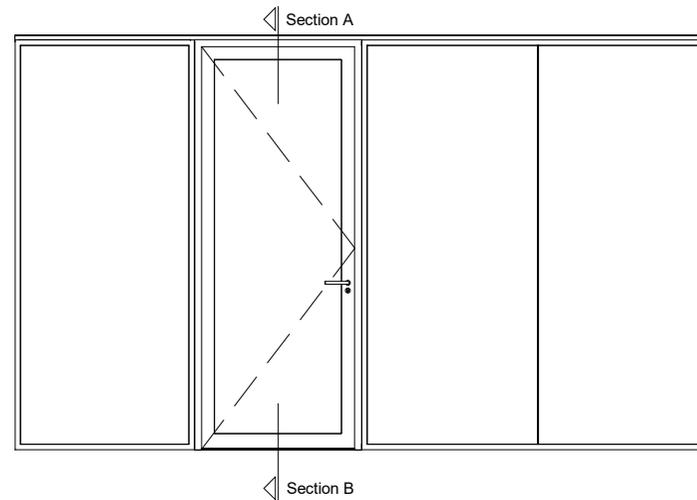
- 1. U Profile
- 2. Glass Acoustic Door Frame
- 3. Door Rubber
- 4. 8mm Glass
- 5. 4x8mm White Foam
- 6. THB Glue tape 20x1mm
- 7. 50mm Double Glazed Door Profile
- 8. 6mm Glass
- 9. Acoustic Drop Down Seal



Section A



Section B

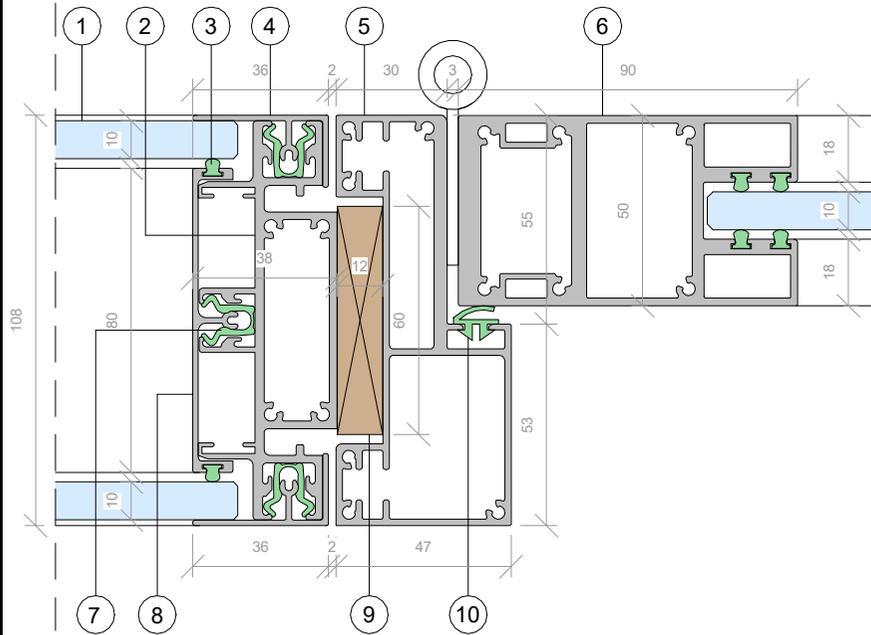


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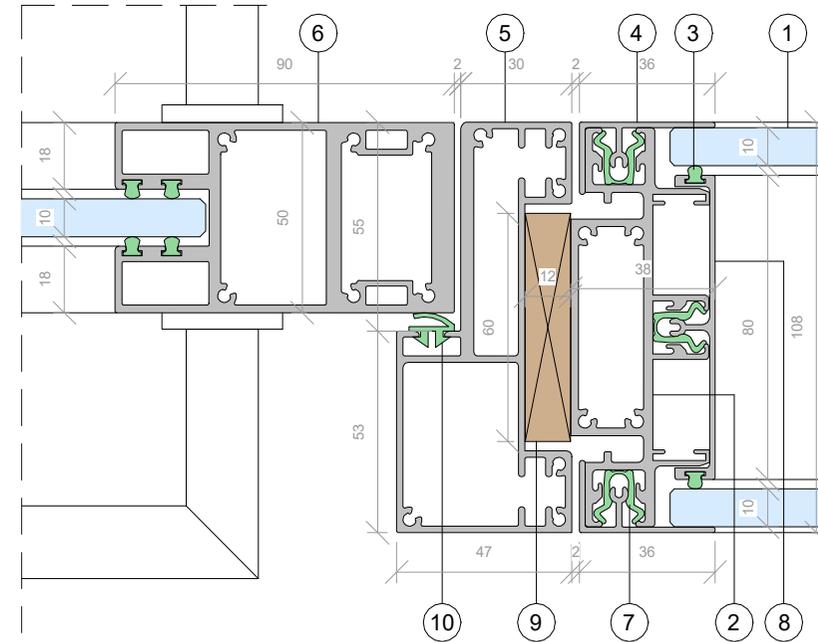
TECHNICAL DETAILS 50mm Framed Single Glazed Door

E: 1/2

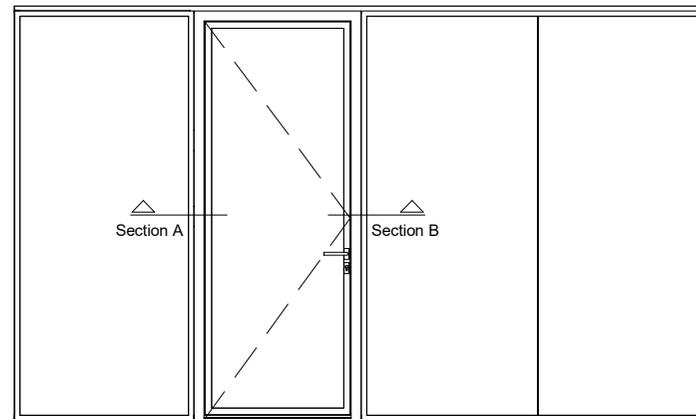
- 1. 10 or 12mm Glass
- 2. Glass Acoustic main profile
- 3. Polyurethane foam seals
- 4. Glass Acoustic Lateral Cover
- 5. Glass Acoustic Door Frame
- 6. 50mm Framed Single Glazed Door Profile
- 7. Nylon Clip
- 8. Glass Acoustic central cover
- 9. MDF
- 10. Door Rubber



Section A



Section B

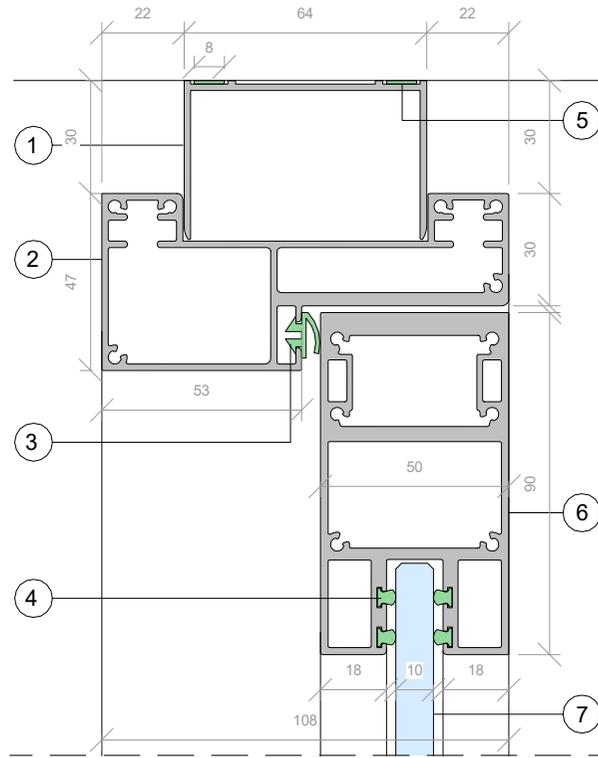


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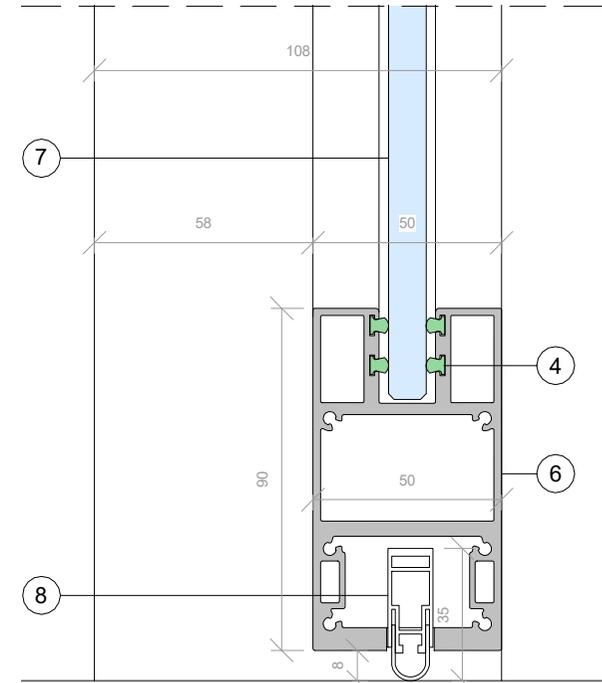
TECHNICAL DETAILS 50mm Framed Single Glazed Door

E: 1/2

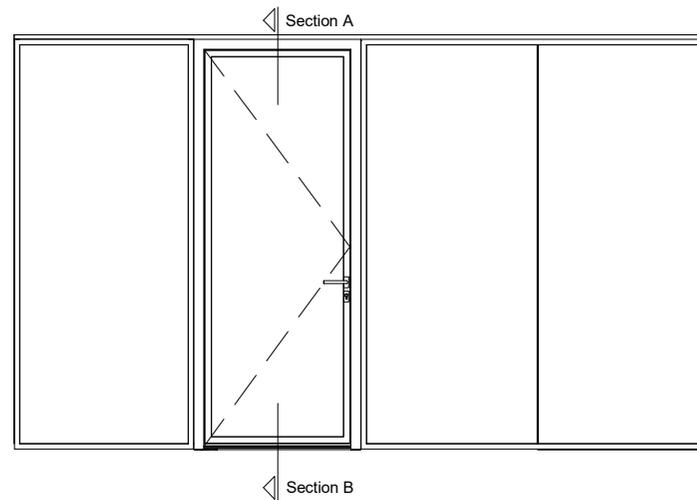
- 1. U Profile
- 2. Glass Acoustic Door Frame
- 3. Door Rubber
- 4. Polyurethane foam seals
- 5. 4x8mm White Foam
- 6. 50mm Framed Single Glazed Door Profile
- 7. 10 or 12mm Glass
- 8. Acoustic Drop Down Seal



Section A



Section B

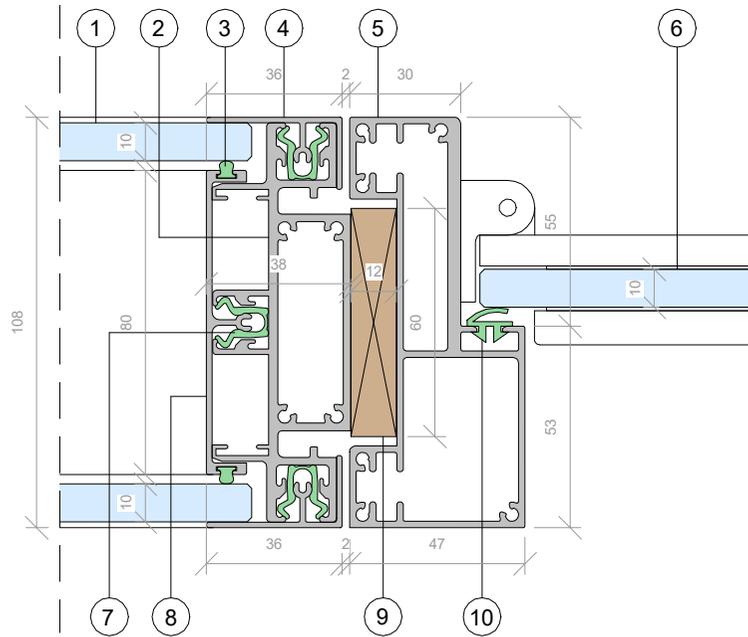


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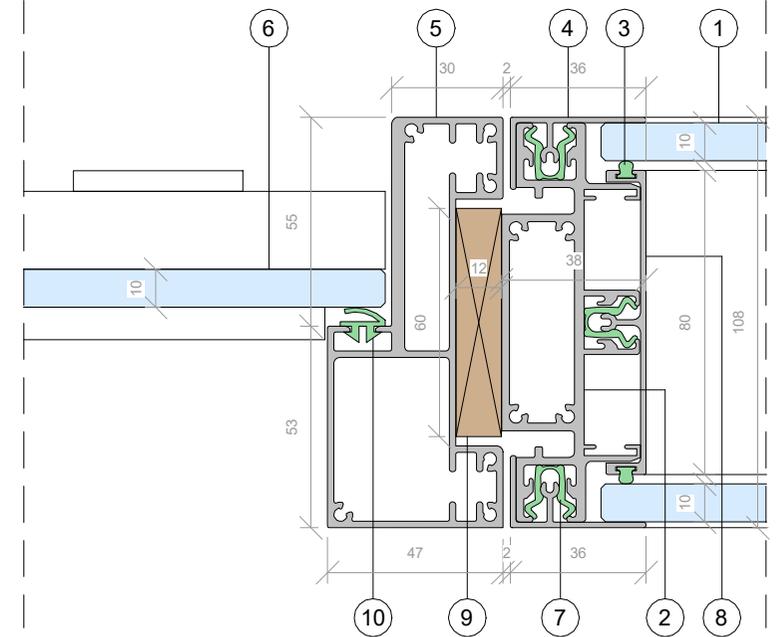
TECHNICAL DETAILS Single Glazed Door

E: 1/2

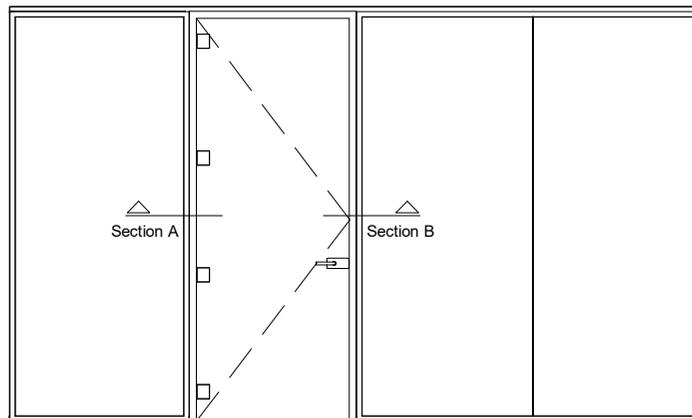
- 1. 10 or 12mm Glass
- 2. Glass Acoustic main profile
- 3. Polyurethane foam seals
- 4. Glass Acoustic Lateral Cover
- 5. Glass Acoustic Door Frame
- 6. 10mm Glass
- 7. Nylon Clip
- 8. Glass Acoustic central cover
- 9. MDF
- 10. Door Rubber



Section A



Section B

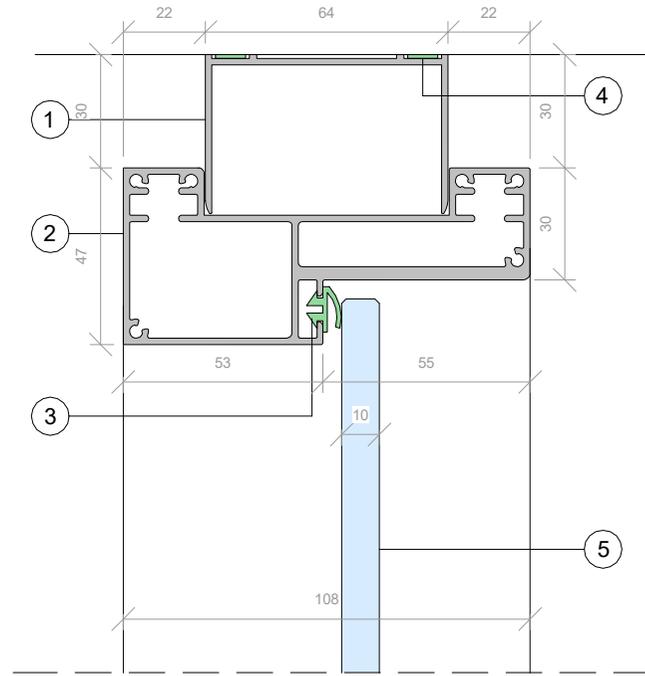


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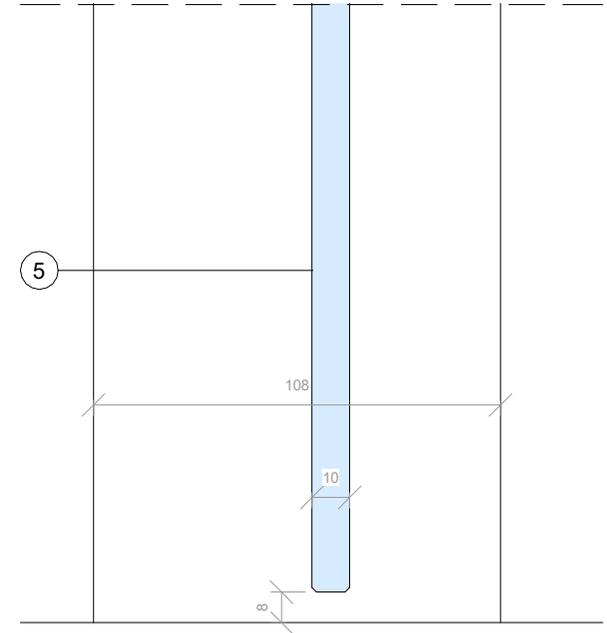
TECHNICAL DETAILS Single Glazed Door

E: 1/2

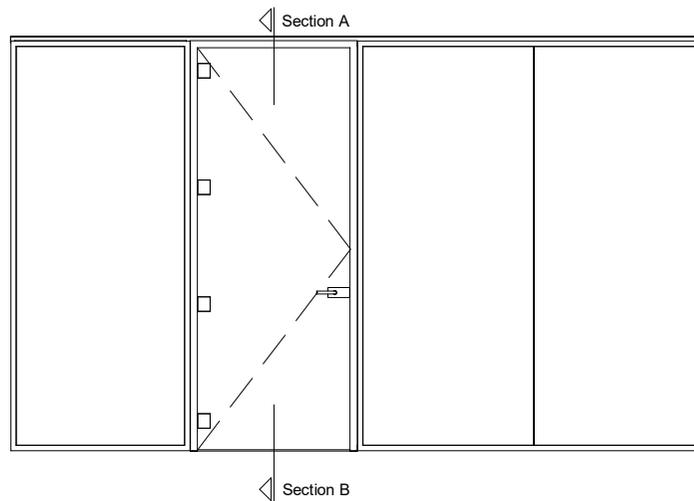
- 1. U Profile
- 2. Glass Acoustic Door Frame
- 3. Door Rubber
- 4. 4x8mm White Foam
- 5. 10mm Glass



Section A



Section B

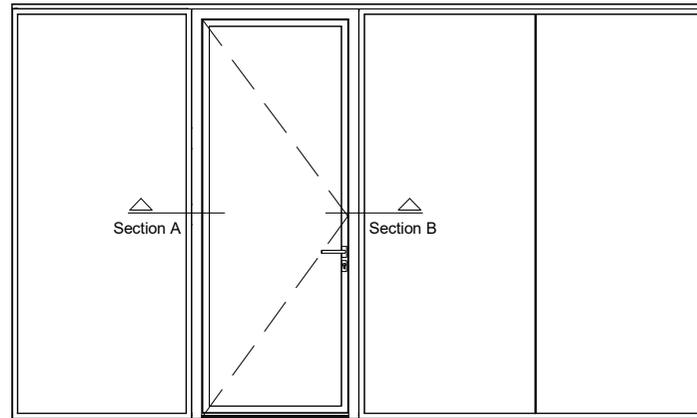
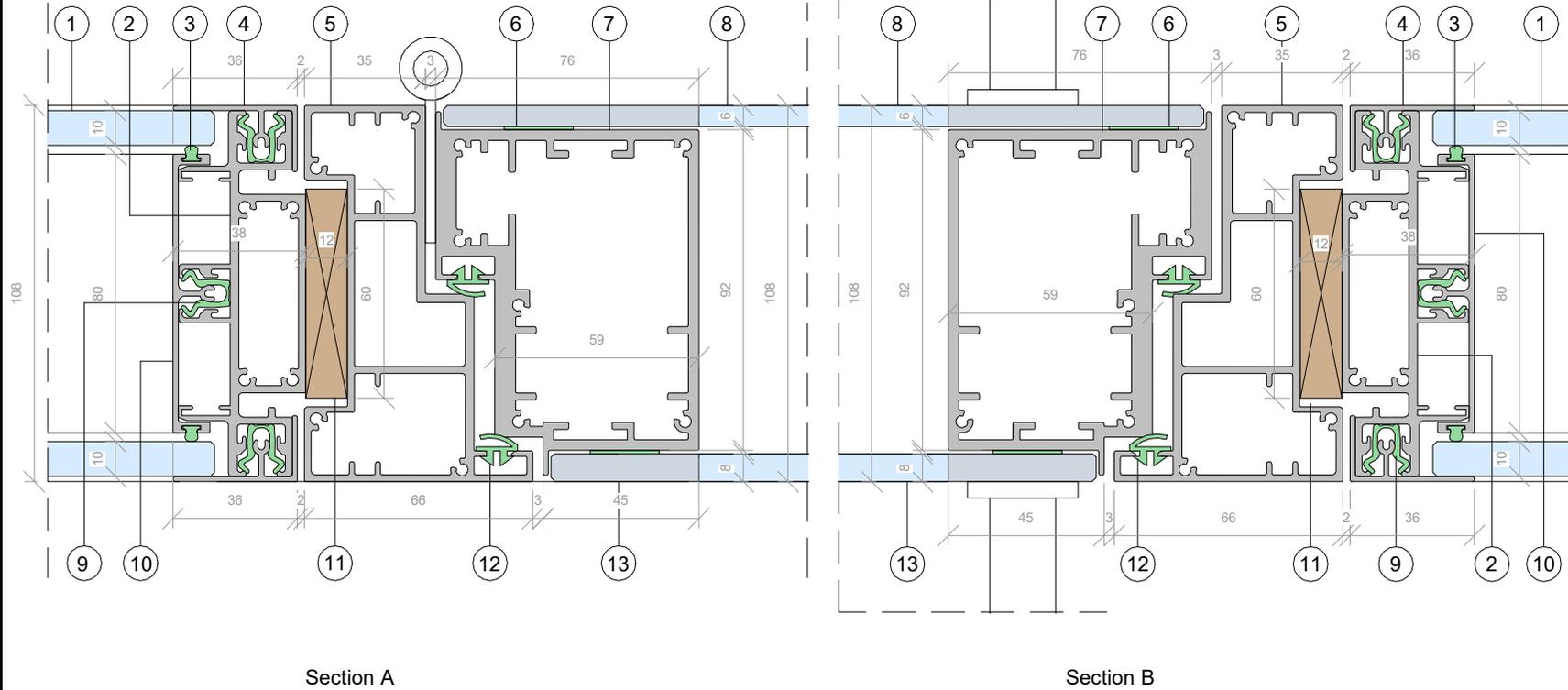


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TECHNICAL DETAILS Glass Skin Door

E: 1/2

1. 10 or 12mm Glass
2. Glass Acoustic main profile
3. Polyurethane foam seals
4. Glass Acoustic Lateral Cover
5. Glass Skin Door Frame
6. THB Glue tape 20x1mm
7. Glass Skin Door Profile
8. 6mm Glass
9. Nylon Clip
10. Glass Acoustic central cover
11. MDF
12. Door Rubber
13. 8mm Glass

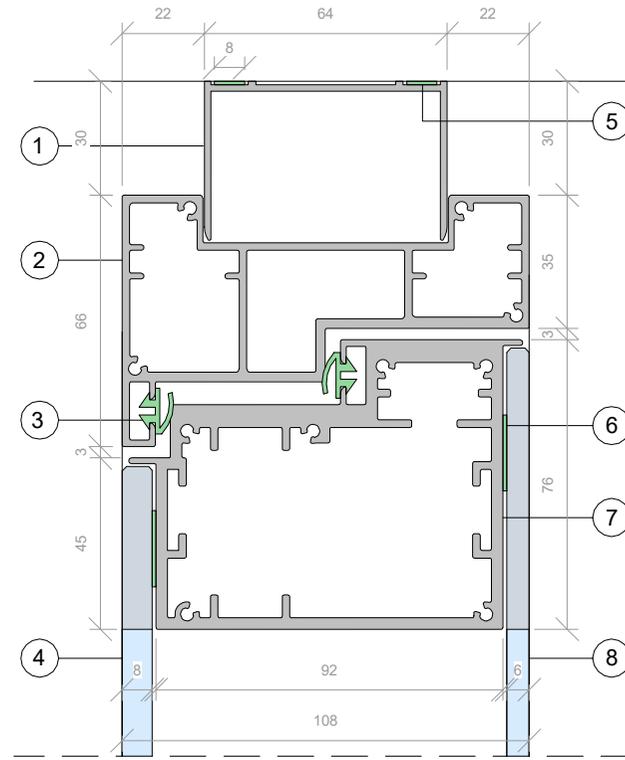


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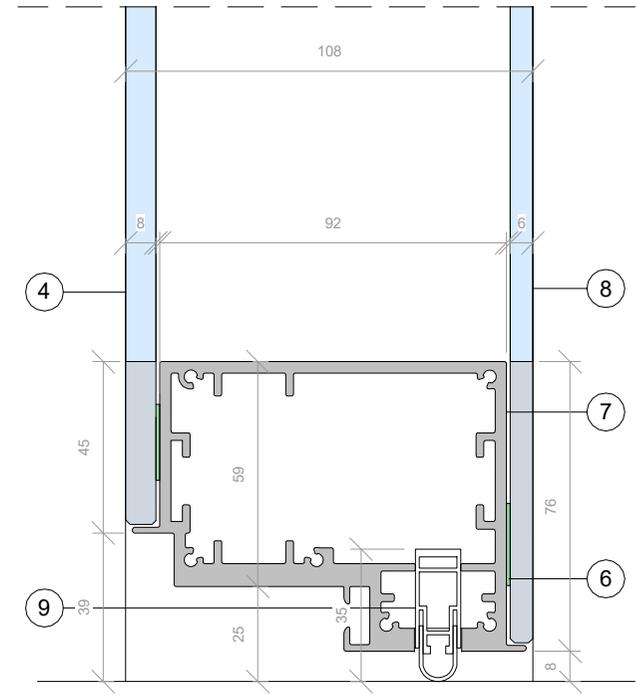
TECHNICAL DETAILS Glass Skin Door

E: 1/2

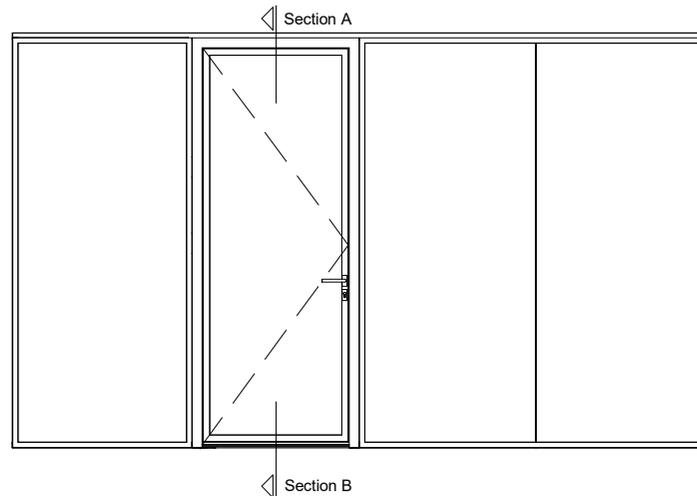
- 1. U Profile
- 2. Glass Skin Door Frame
- 3. Door Rubber
- 4. 8mm Glass
- 5. 4x8mm White Foam
- 6. THB Glue tape 20x1mm
- 7. Glass Skin Door Profile
- 8. 6mm Glass
- 9. Acoustic Drop Down Seal



Section A



Section B



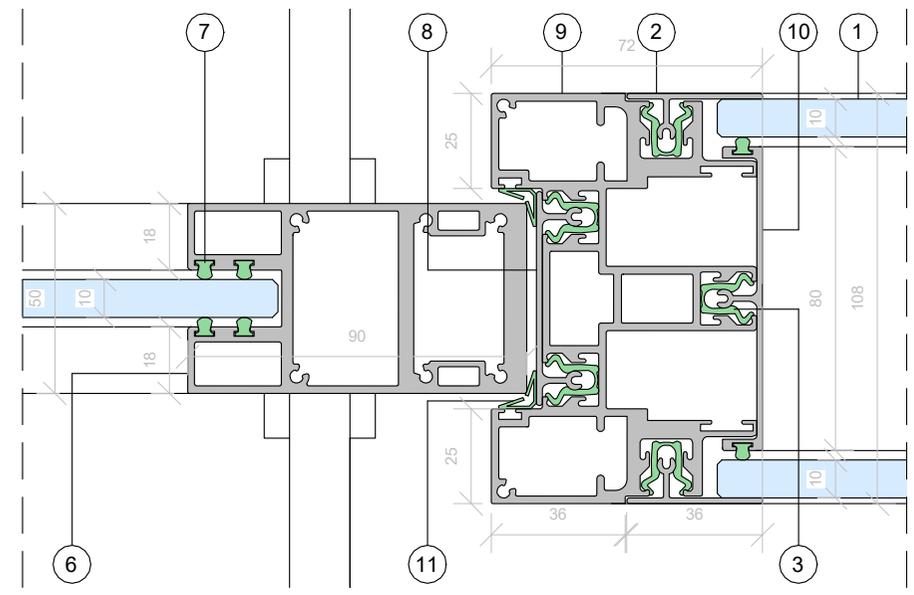
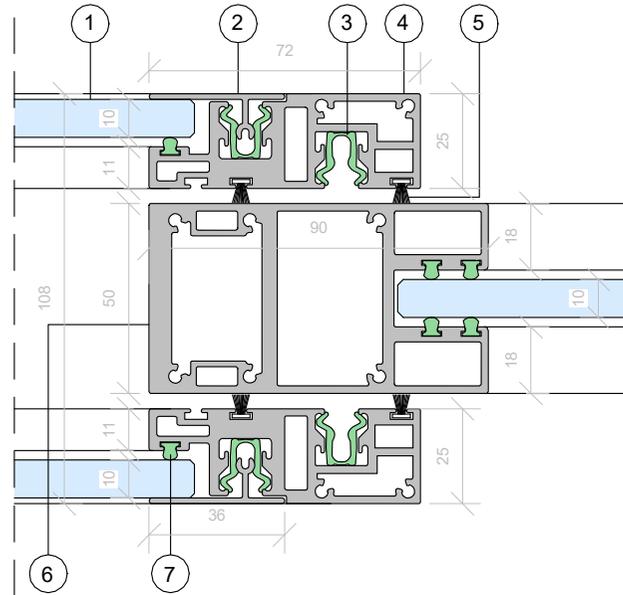
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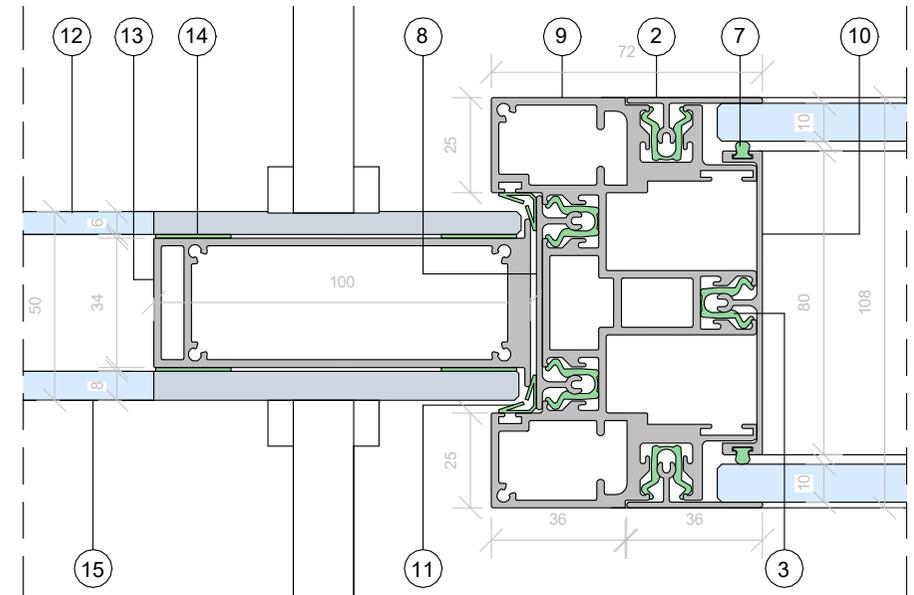
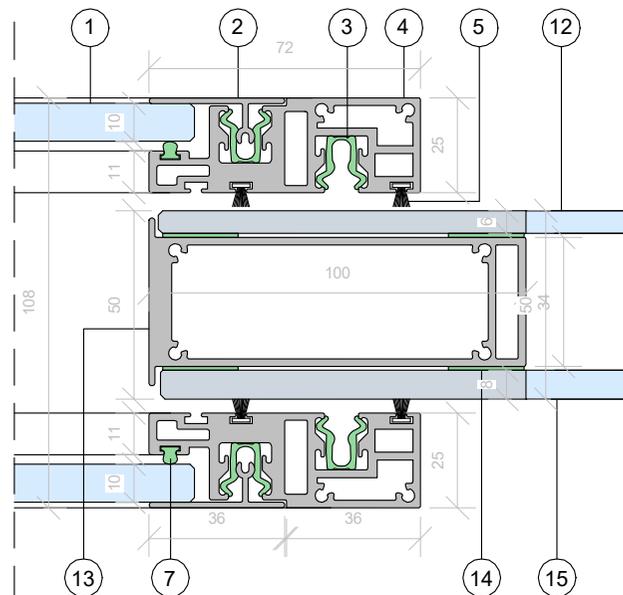
TECHNICAL DETAILS WOD Glass Acoustic

E: 1/2

1. 10 or 12mm Glass
2. WOD Glass Acoustic Side Cover
3. Nylon Clip
4. WOD Glass Acoustic Twin Vertical
5. Woven Pile Brush Seal
6. 50mm Framed Single Glazed Door Profile
7. Polyurethane Foam Seals
8. WOD Glass Acoustic End Profile Cover
9. WOD Glass Acoustic End Profile
10. Glass Acoustic Central Cover
11. Acoustic PETG
12. 6mm Glass
13. 50mm Double Glazed Door Profile
14. THB Glue tape 20x1mm
15. 8mm Glass



50mm Framed Single Glazed Door



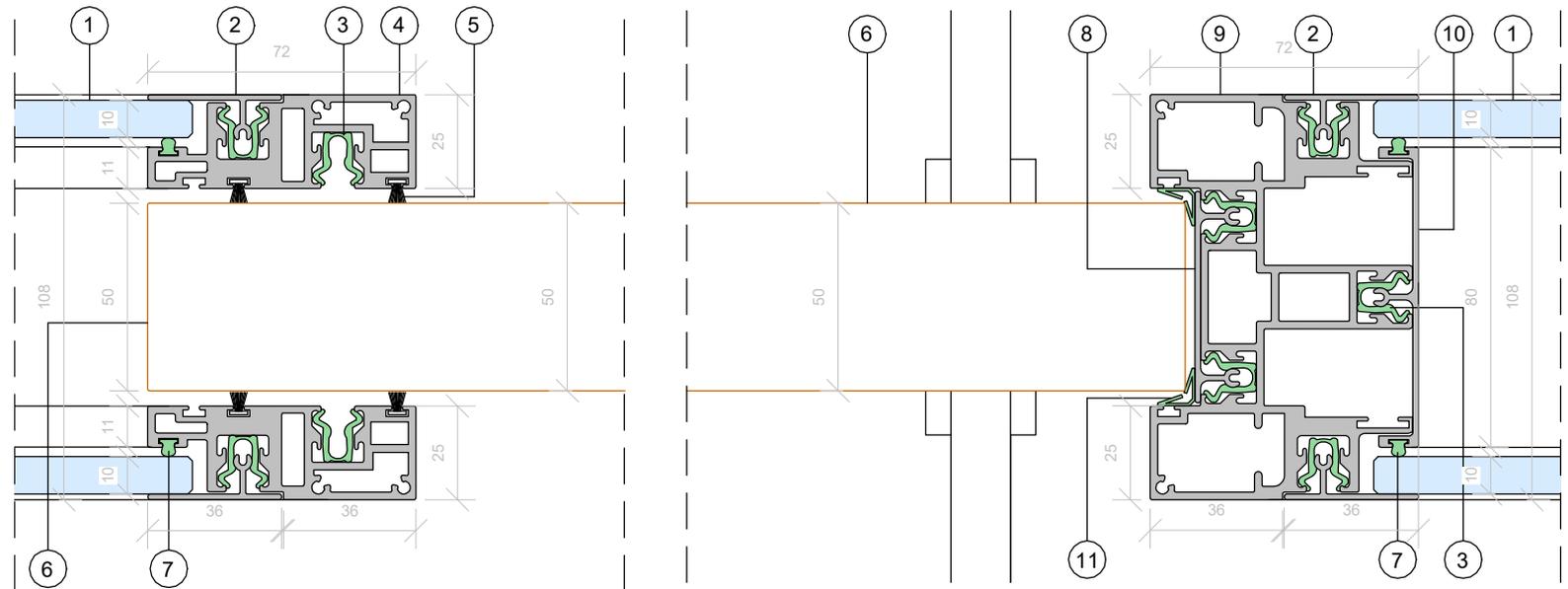
50mm Double Glazed Door

GLASS ACOUSTIC

TECHNICAL DETAILS WOD Glass Acoustic

E: 1/2

1. 10 or 12mm Glass
2. WOD Glass Acoustic Side Cover
3. Nylon Clip
4. WOD Glass Acoustic Twin Vertical
5. Woven Pile Brush Seal
6. 50mm Opaque Door
7. Polyurethane Foam Seals
8. WOD Glass Acoustic End Profile
Profile Cover
9. WOD Glass Acoustic End Profile
10. Glass Acoustic Central Cover
11. Acoustic PETG



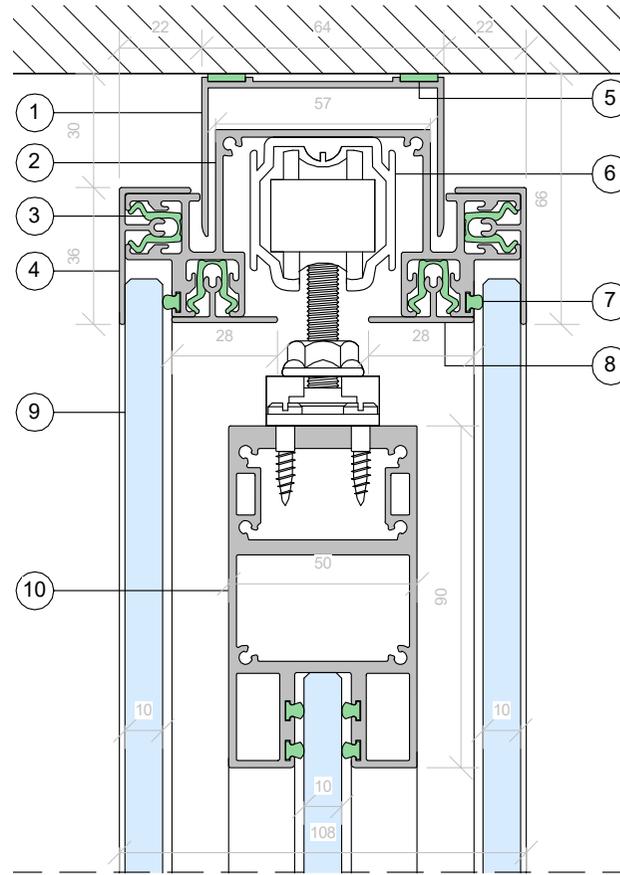
50mm Opaque Door

GLASS ACOUSTIC

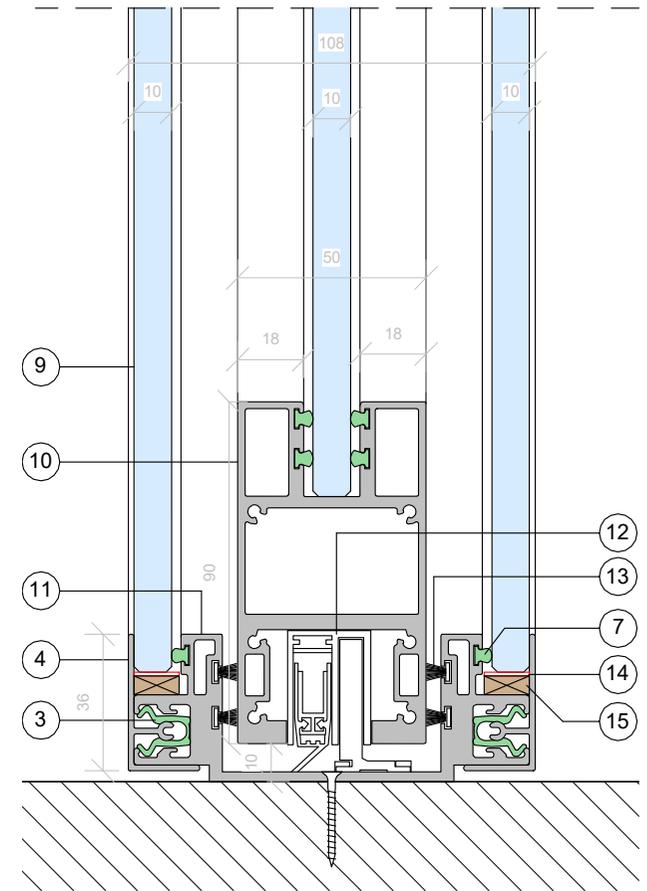
TECHNICAL DETAILS WOD Glass Acoustic

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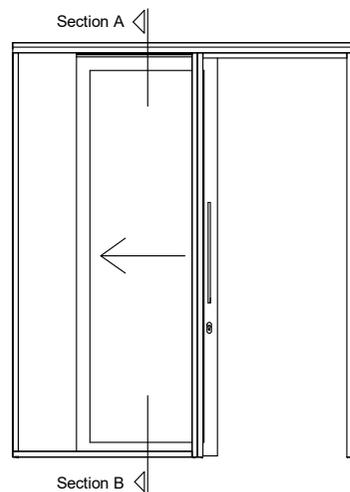
1. U Profile
2. WOD Glass Acoustic Sliding Track
3. Nylon Clip
4. Glass Acoustic Lateral Cover
5. 4x8mm White Foam
6. Sliding Door Rail
7. Polyurethane foam seals
8. WOD Glass Acoustic Sliding Track Cover
9. 10 or 12mm Glass
10. 50mm Framed Single Glazed Door Profile
11. WOD Glass Acoustic Floor Sliding Track
12. Acoustic Drop Down Seal
13. Woven Pile Brush Seal
14. Glass Leveler
15. 5x12mm MDF



Section A



Section B

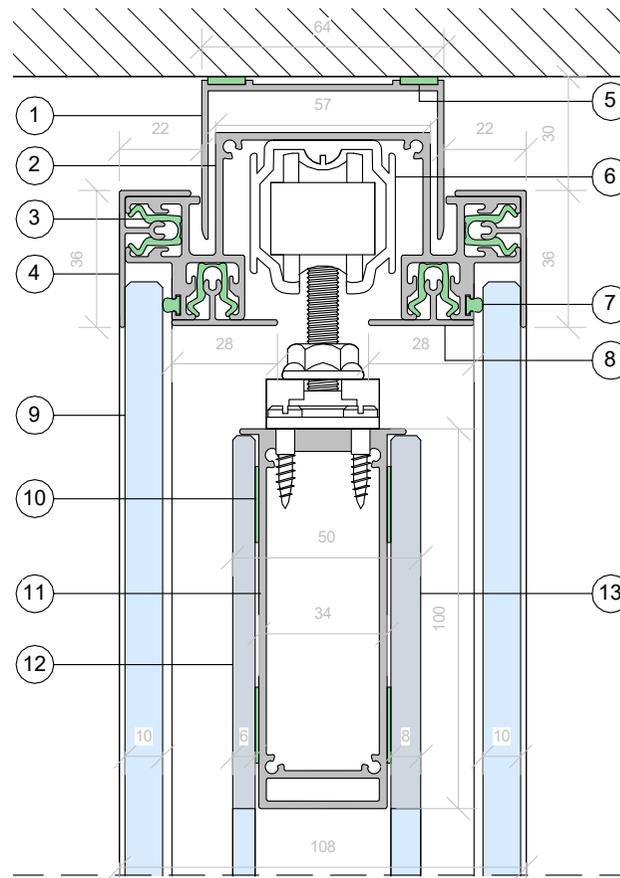


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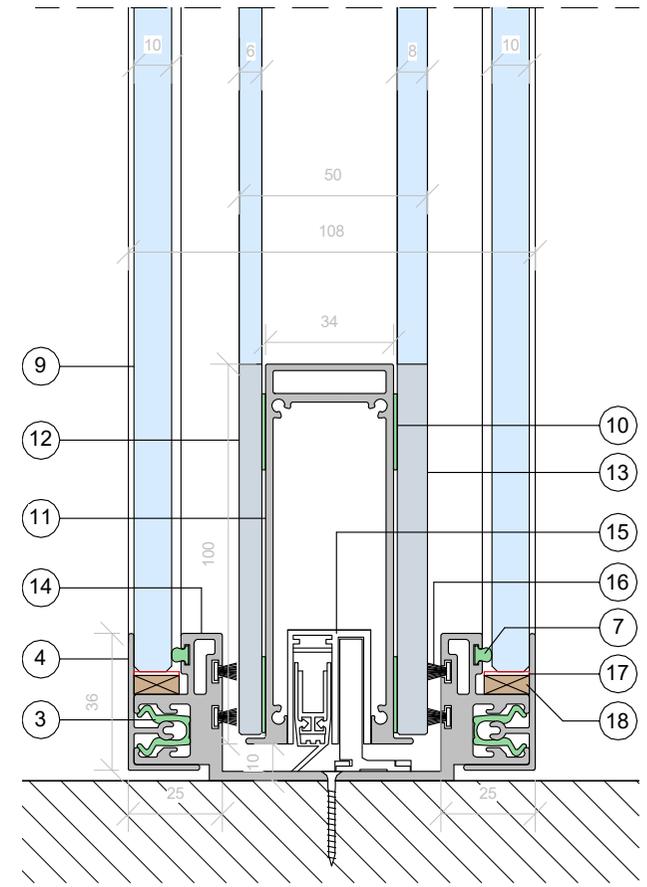
TECHNICAL DETAILS WOD Glass Acoustic

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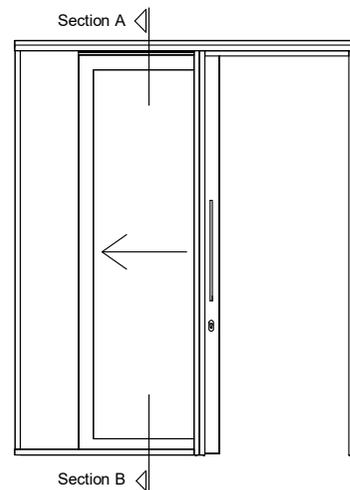
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6. Sliding Door Rail
7. Polyurethane foam seals
8. WOD Glass Acoustic Sliding Track Cover
9. 10 or 12mm Glass
10. THB Glue tape 20x1mm
11. 50mm Double Glazed Door Profile
12. 6mm Glass
13. 8mm Glass
14. WOD Glass Acoustic Floor Sliding Track
15. Acoustic Drop Down Seal
16. Woven Pile Brush Seal
17. Glass Leveler
18. 5x12mm MDF



Section A



Section B



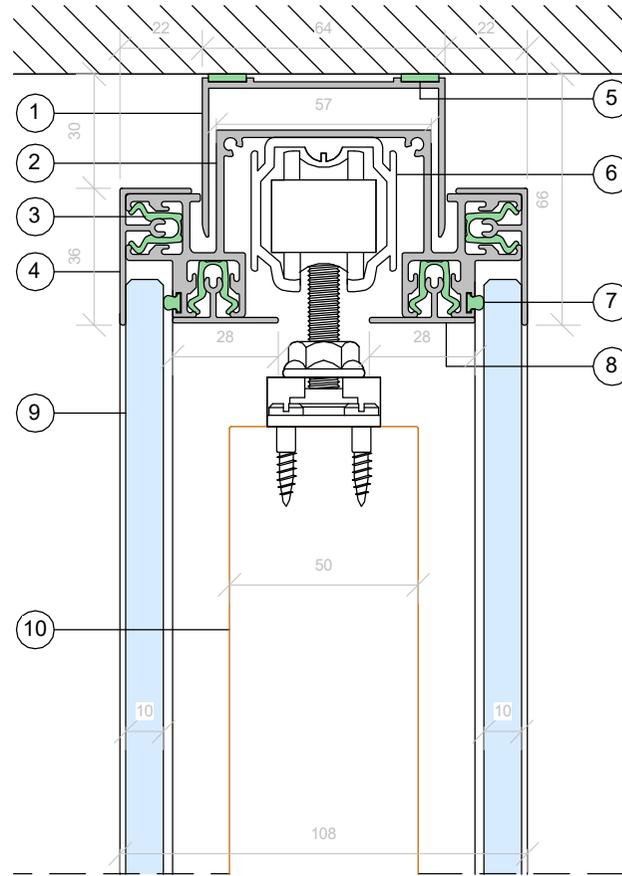
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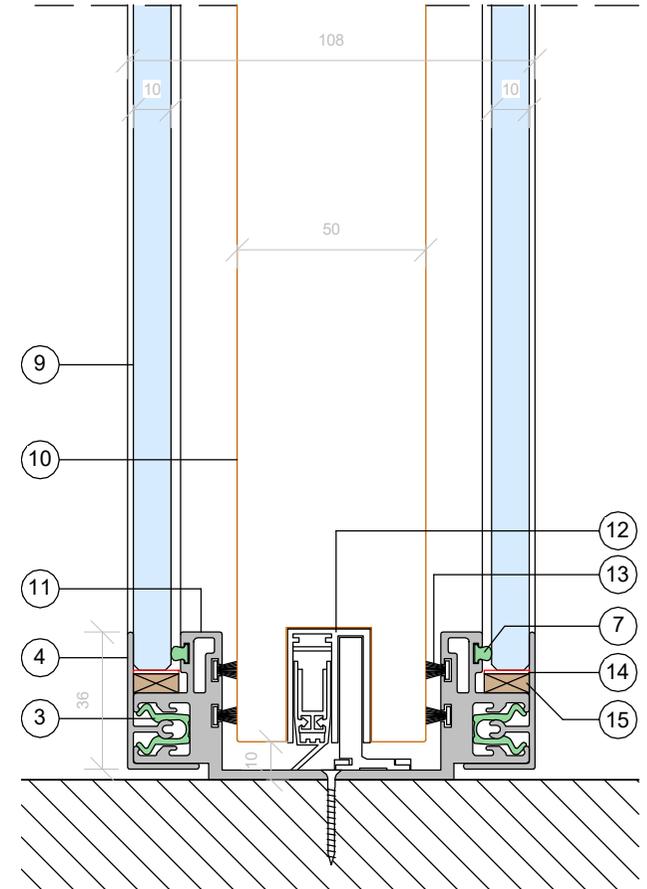
TECHNICAL DETAILS WOD Glass Acoustic

E: 1/2

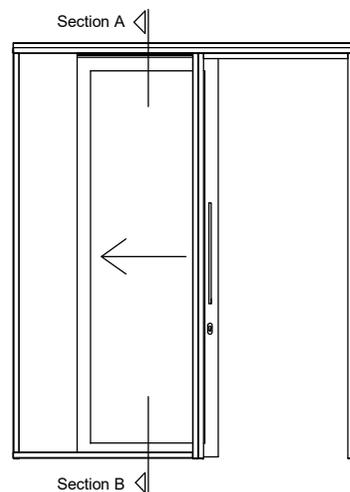
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6. Sliding Door Rail
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9. 10 or 12mm Glass
10. 50mm Opaque Door
11. WOD Glass Acoustic Floor Sliding Track
12. Acoustic Drop Down Seal
13. Woven Pile Brush Seal
14. Glass Leveler
15. 5x12mm MDF



Section A



Section B



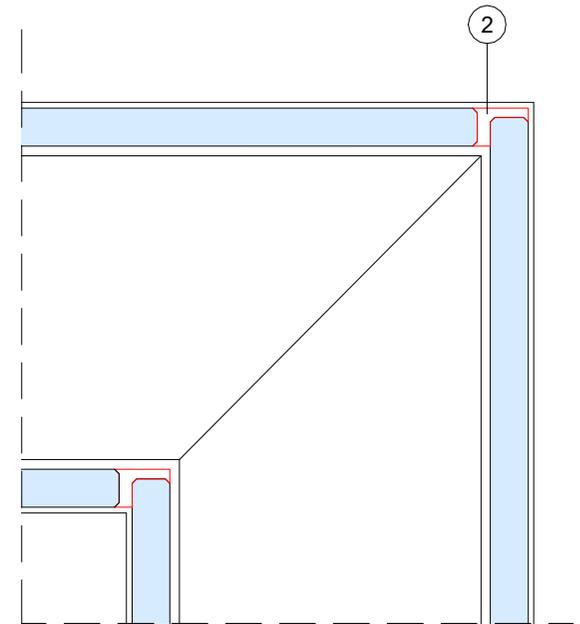
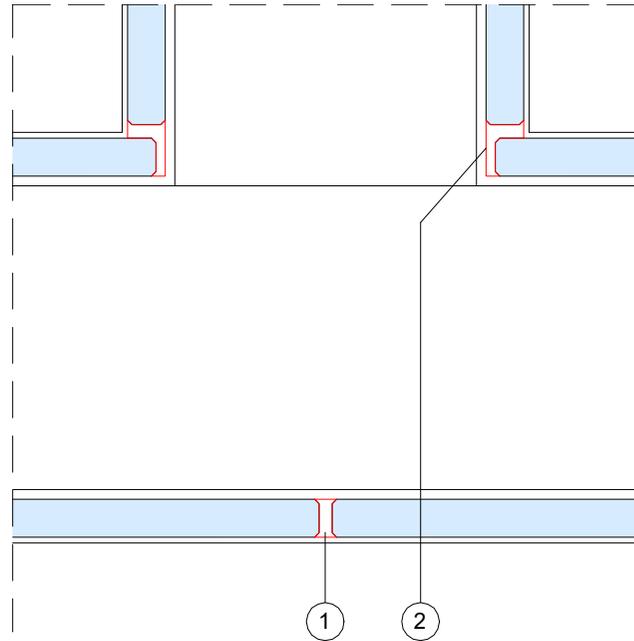
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TECHNICAL DETAILS Glass Connections

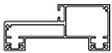
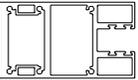
E: 1/2

- 1. 180° PETG profile
- 2. 90° PETG profile



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
NW.181.006		Glass Acoustic Central Cover	NW.181.001		Glass Skin Door Frame
NW.181.005		50mm Double Glass Door Profile	NW.181.002		Glass Skin Door Profile
NW.181.004		Glass Acoustic Main Profile	L82943		Glass Acoustic Lateral Cover
L83994		50mm Framed Single Glass Door Profile	ADL2931		WOD Glass Acoustic Twin Vertical
ADL2930		WOD Glass Acoustic Side Cover	ADL2933		WOD Glass Acoustic Central Cover
ADL2927		WOD Glass Acoustic Sliding Track Cover	ADL2932		WOD Glass Acoustic End Profile
ADL2926		WOD Glass Acoustic Sliding Track	ADL2929		WOD Glass Acoustic Floor Sliding Track
ADL2928		WOD Glass Acoustic Side Horizontal Profile			

TECHNICAL DETAILS
Components

OTHER COMPONENTS

PRODUCT REFERENCE	DETAIL	DESCRIPTION	PRODUCT REFERENCE	DETAIL	DESCRIPTION
- 4x8mm White for ceiling (IS00030010) - 4x8mm Black for the floor (IS00030009)		4x8mm Black / White Foam	IS00030031		2x5mm Black Foam
PN00060004		5x12mm MDF	- Q-Lon_48750 (for 10mm glass) - Q-Lon_48650 (for 12mm glass)		Polyurethane foam seals (For 10mm Glass)
PN00060105		12x60mm MDF	- 750P (Black) - 750 NAT (White)		Nylon Clip
A7200		THB Glue tape 20x1mm	Vedex AD0010 - black		Door Rubber
- 10710 for 10mm glass - 10712 for 12mm glass		180° PETG profile	- Ellen Matic Soundproof for acoustic requirement - Ellen Matic Uniproof without acoustic requirement		Acoustic Drop Down Seal
- 10711 for 10mm glass - 10713 for 12mm glass		90° PETG profile	11300		Acoustic PETG 10x10mm
5012/1 NAT		Glass Leveler 1mm	RP048-950GS01 (4.8x9,5mm)		Woven Pile Brush Seal
SF-A 125		Sliding Door Rail	Burlete Planet SN -105105		Acoustic Drop Down Seal WOD



GLASS ACOUSTIC
Design Guide

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