LINE SYSTEMS

ME & Africa by Phoenix Design

DOORS

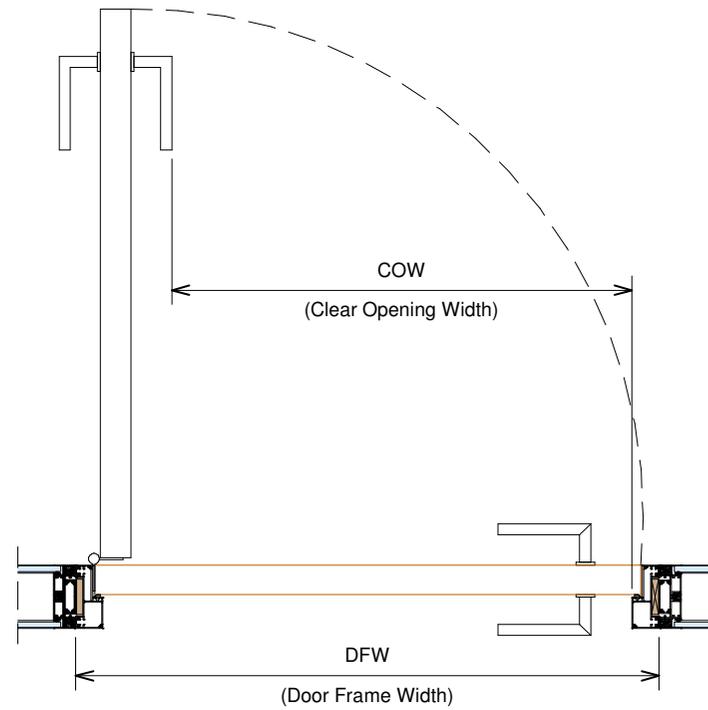Design Guide

SWING DOORS

1. 50mm Opaque Door

2. 40mm Opaque Door

3. 53mm Opaque Door

4. Single Glazed Door

5. 50mm Framed Single Glazed Door

6. 50mm Double Door

7. 50mm Double Flush Door

8. Glass Skin Door

9. Glass Skin Opaque Door

LINESYSTEMS

SWING DOORS

1. 50mm OPAQUE DOOR

COW
(Clear Opening Width)

DFW
(Door Frame Width)

COW (For DFW = 1000mm)			
DOOR TYPE	GLASS ACOUSTIC	GLASS SLIM	PA 100
50mm Opaque Door	790mm	790mm	790mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
50mm Opaque Door	With Ellen Matic 51dB drop down seal and 90 kg/m3 rock wool	36 dB	800mm	1000mm	3000mm
	With double Ellen Matic 51dB drop down seal, 150kg/m3 rock wool and MAD 4 on both sides	40 dB	800mm	1000mm	3000mm

SWING DOORS
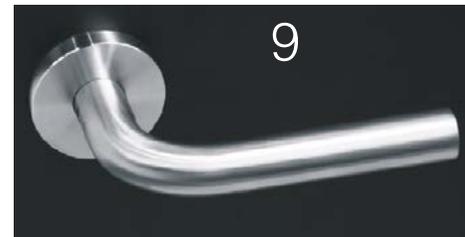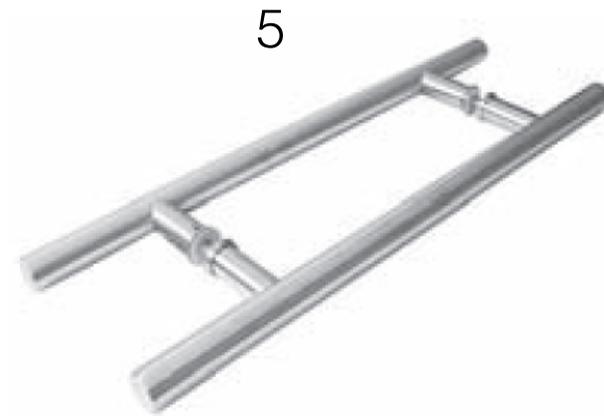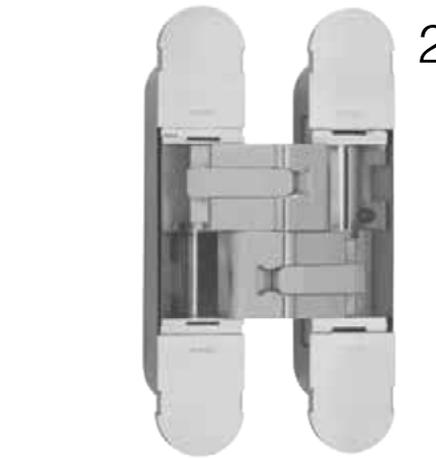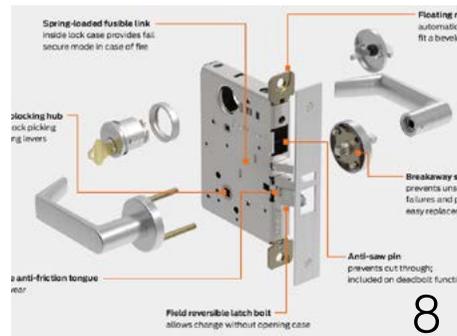
1. 50mm OPAQUE DOOR

Standard Hardware

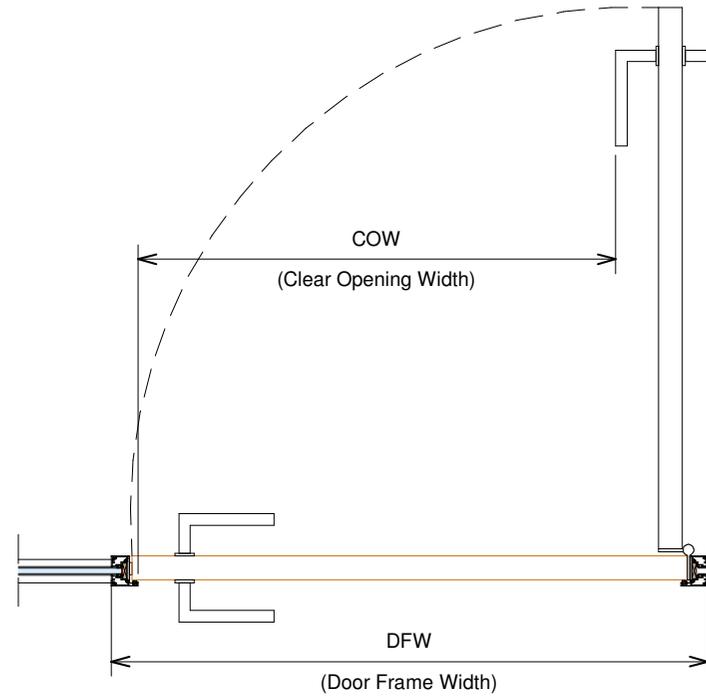| STANDARD HARDWARE			
DOOR TYPE	ELEMENT	REFERENCE	IMAGE
50mm Opaque Door	Hinges	4 Hinges 926.13.903	
	Door Stop	Door stop IN.13.121.20	
	Lock	Lock IN.20.975.R TB60	
	Handle	Handle IN.00.030.RB08M	
	Key Hole	Key Hole IN.04.28R Y08.N	
	Acoustic Drop Down Seal	EllenMatic Soundproof Acoustic Drop Down Seal	

SWING DOORS

1. 50mm OPAQUE DOOR

Special Hardware Posibilities

1. Ceiling door closer TS92 B
2. Hidden Hinges 1131s
3. Roller Lock T.9793.5.00
4. Concealed door closer GEZE-TS2-4
5. Puxador_asa 8103
6. Flush Bolt FX 207.1_250_600
7. Dorma Basic_Electric Strike
8. Schlage L9456_Lock
9. IN.00.028.RB08M
10. IN.00.028B.RB08M

LINESYSTEMS

SWING DOORS

1. 50mm OPAQUE DOOR

COW
(Clear Opening Width)

DFW
(Door Frame Width)

COW (For DFW = 1000mm)	
DOOR TYPE	GLASS SLIM
50mm Opaque Door	800mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
50mm Opaque Door	With Ellen Matic 51dB drop down seal and 90 kg/m3 rock wool	N/D	800mm	1000mm	3000mm

LINESYSTEMS

2. 40mm OPAQUE DOOR

Compatible with:

- Glass Slim

SWING DOORS

2. 40mm OPAQUE DOOR

COW
(Clear Opening Width)

DFW
(Door Frame Width)
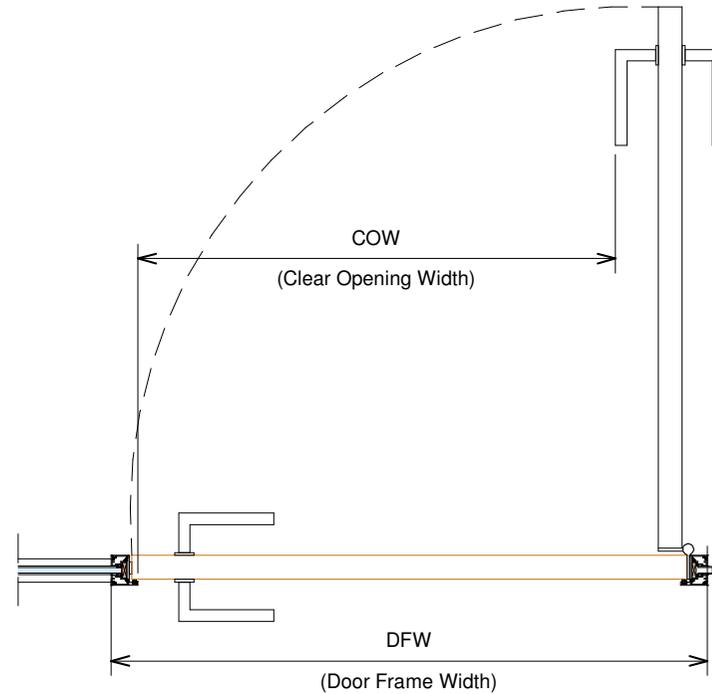
COW (For DFW = 1000mm)	
DOOR TYPE	GLASS SLIM
40mm Opaque Door	800mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
40mm Opaque Door	With Ellen Matic 51dB drop down seal and 90 kg/m3 rock wool	N/D	800mm	1000mm	3000mm

2. 40mm OPAQUE DOOR

Standard Hardware

STANDARD HARDWARE			
DOOR TYPE	ELEMENT	REFERENCE	IMAGE
50mm Opaque Door	Hinges	4 Hinges 926.13.903	
	Door Stop	Door stop IN.13.121.20	
	Lock	Lock IN.20.975.R TB60	
	Handle	Handle IN.00.030.RB08M	
	Key Hole	Key Hole IN.04.28R Y08.N	
	Acoustic Drop Down Seal	EllenMatic Soundproof Acoustic Drop Down Seal	

SWING DOORS

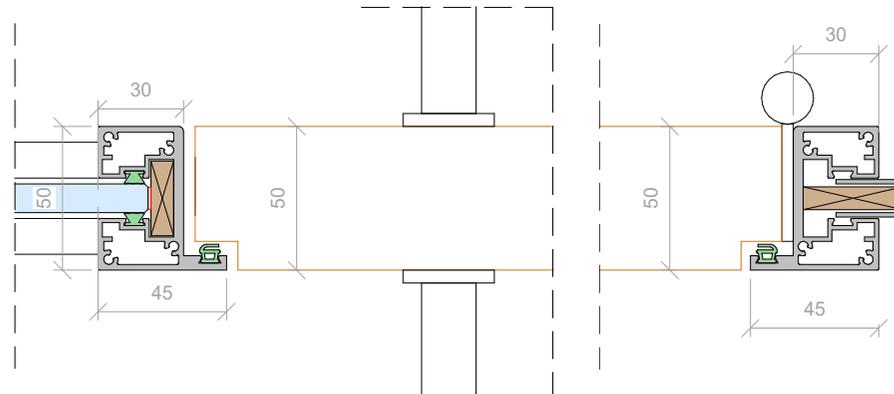## 2. 40mm **OPAQUE DOOR**

Special Hardware Posibilities

1. Ceiling door closer TS92 B
2. Puxador_asa 8103
3. Dorma Basic_Electric Strike
4. Roller Lock T.9793.5.00
5. Flush Bolt FX 207.1_250_600
6. IN.00.028.RB08M
7. IN.00.028B.RB08M

LINE SYSTEMS
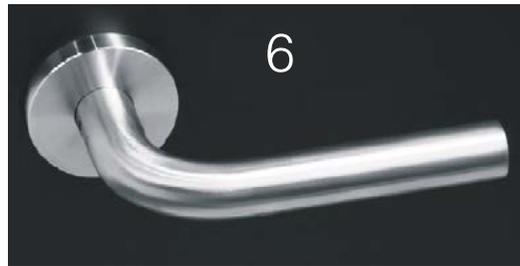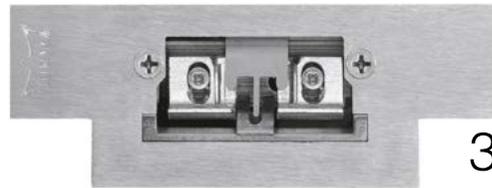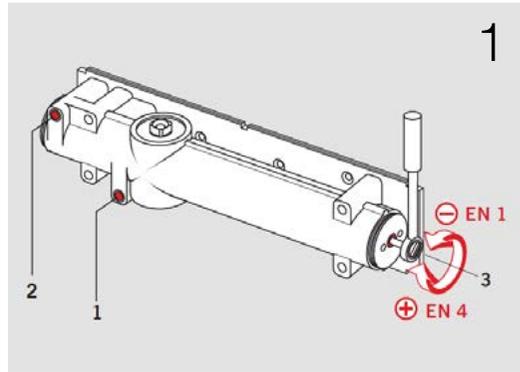
SWING DOORS

3. 53mm **OPAQUE DOOR**

Compatible with:

• Glass Skin

LINE SYSTEMS

3. 53mm OPAQUE DOOR

COW
(Clear Opening Width)

DFW
(Door Frame Width)
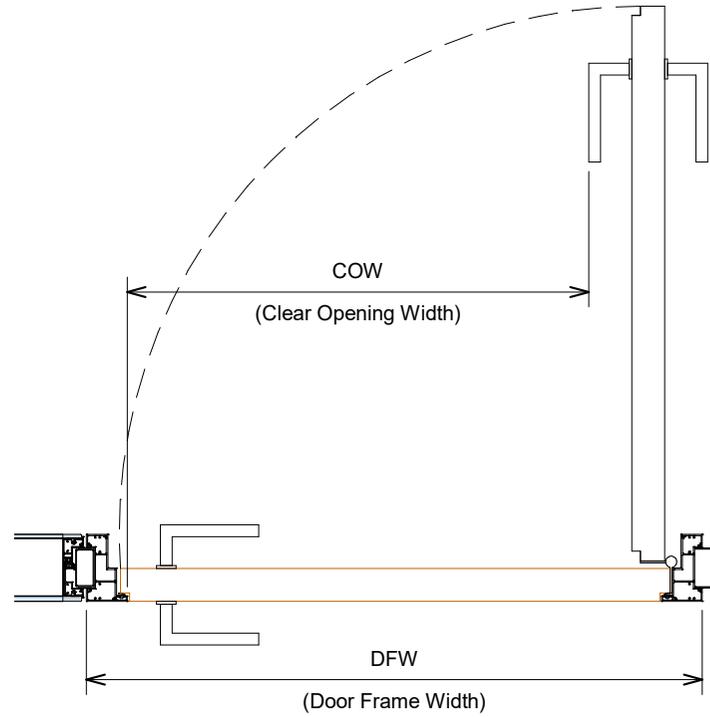
COW (For DFW = 1000mm)	
DOOR TYPE	GLASS SKIN
53mm Opaque Door	750mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
53mm Opaque Door		N/D	800mm	1000mm	3000mm

LINE SYSTEMS

3. 53mm **OPAQUE DOOR**

Standard Hardware

STANDARD HARDWARE			
DOOR TYPE	ELEMENT	REFERENCE	IMAGE
53mm Opaque Door	Hinges	4 Hinges 926.13.903	
	Door Stop	Door stop IN.13.120	
	Lock	Lock 911.75.983	
	Handle	Handle IN.00.030.SR / RT32	
	Key Hole	Key Hole IN.04.36RT.Y10M	
	Acoustic Drop Down Seal	EllenMatic Soundproof Acoustic Drop Down Seal	

SWING DOORS

1. 53mm OPAQUE DOOR

Special Hardware Posibilities

1. Ceiling door closer TS92 B
2. Dorma Basic_Electric Strike
3. Schlage L9456_Lock
4. Roller Lock T.9793.5.00
5. Flush Bolt FX 207.1_250_600
6. Puxador_asa 8103
7. IN.00.028B.SR
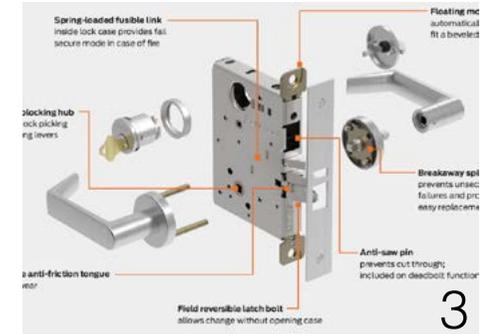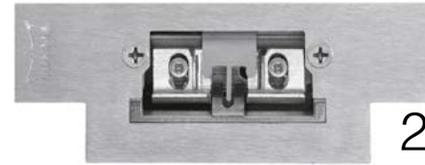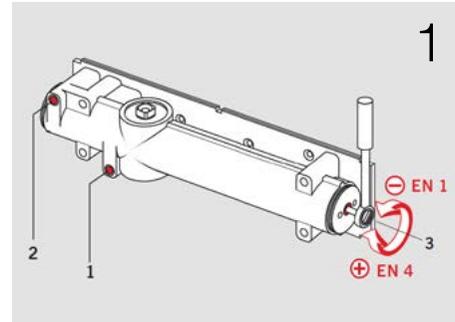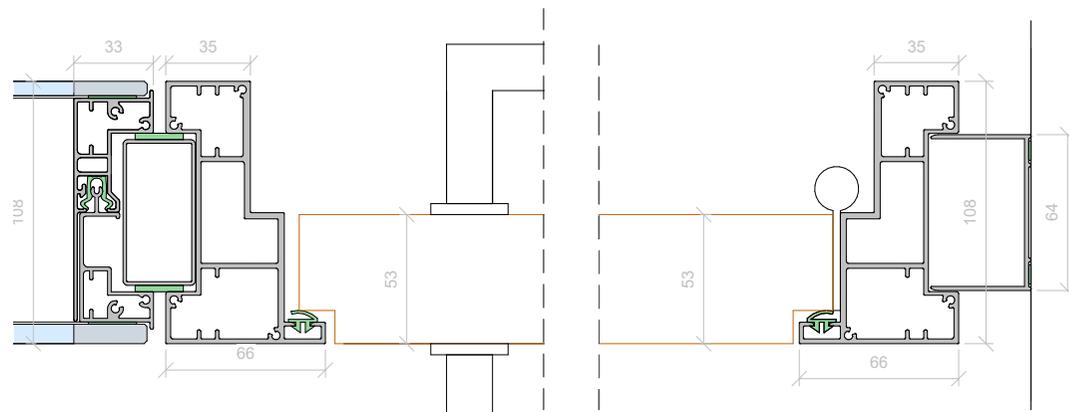
TECHNICAL DRAWINGS
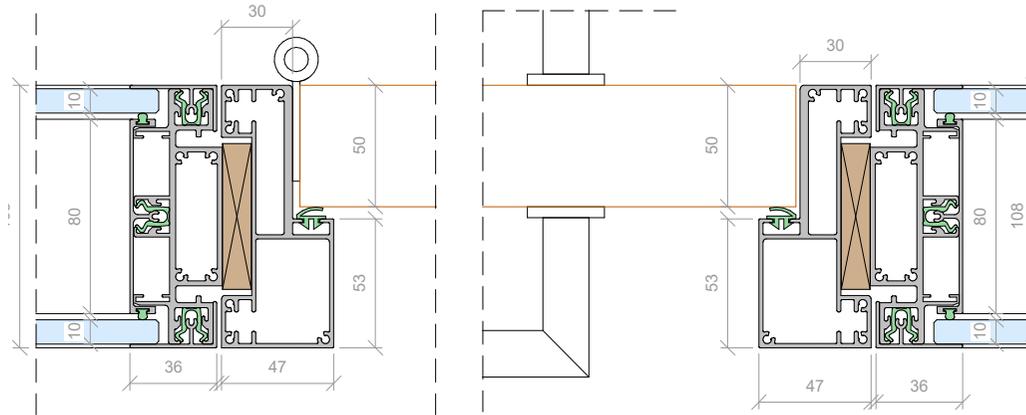
50mm Opaque Door
Glass Acoustic

50mm Opaque Door
Glass Slim
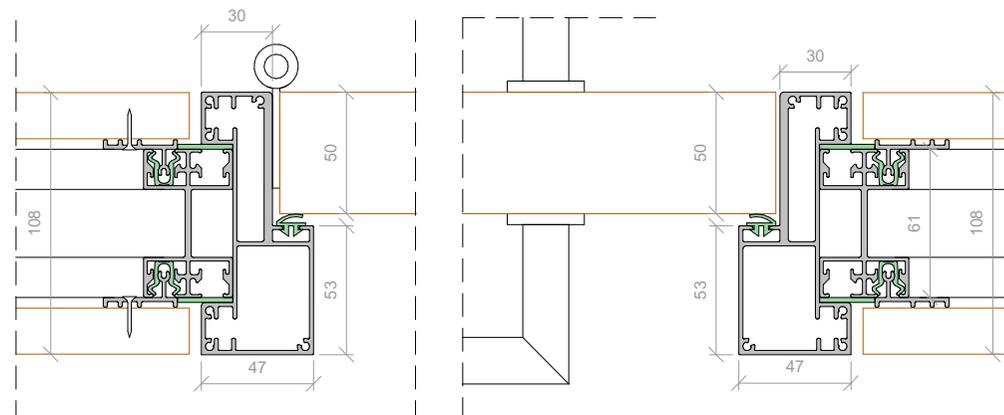
50mm Opaque Door
PA 100 Opaque & Glass
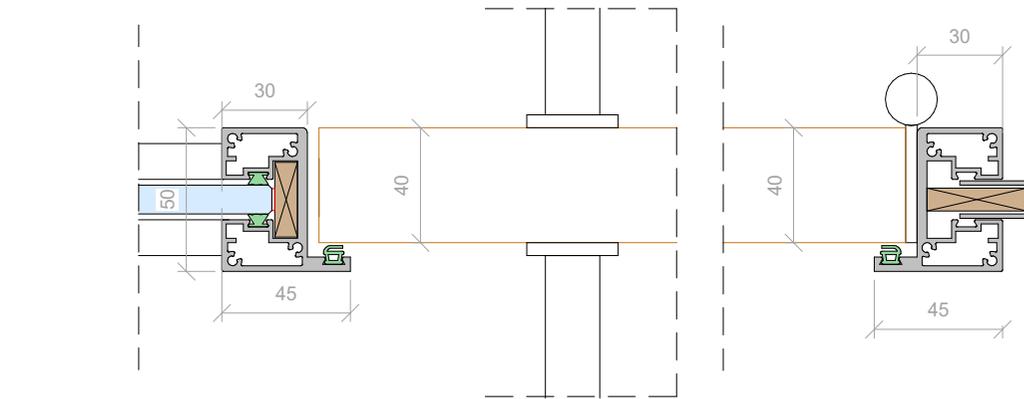
TECHNICAL DRAWINGS

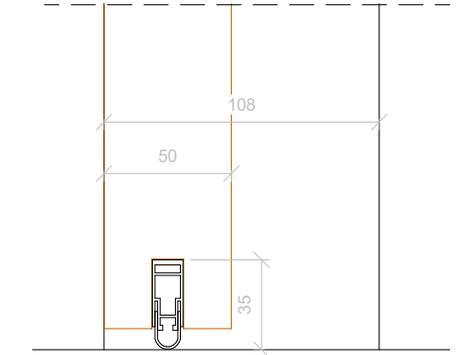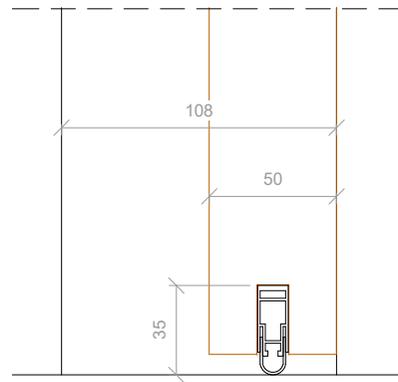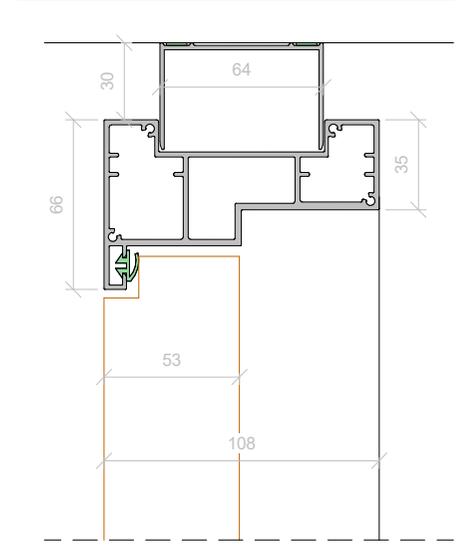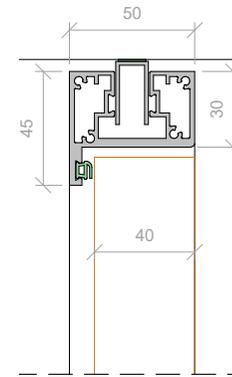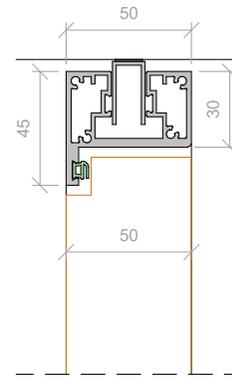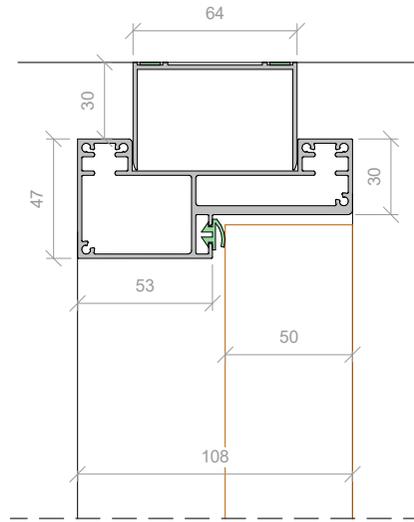40mm Opaque Door
Glass Slim

53mm Opaque Door
Glass Skin

LINE SYSTEMS

TECHNICAL DRAWINGS
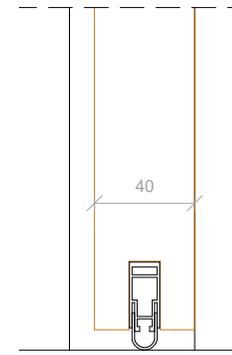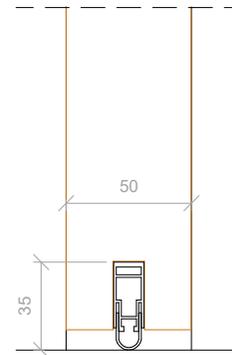
50mm Opaque Door

Glass Acoustic &

PA 100 Opaque and Glass
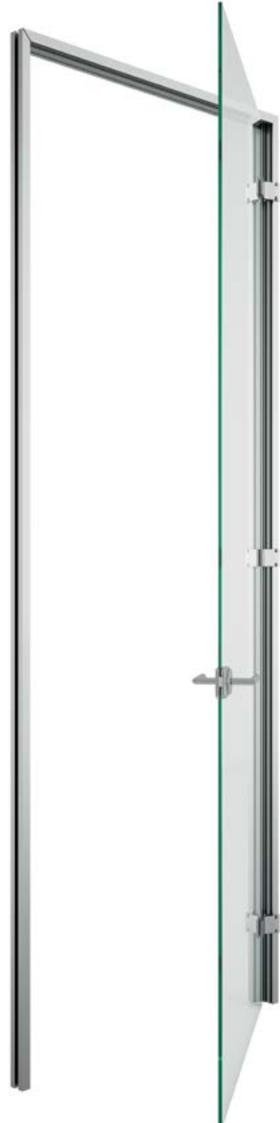
50mm Opaque Door

Glass Slim

40mm Opaque Door

Glass Slim

53mm OpaqueDoor
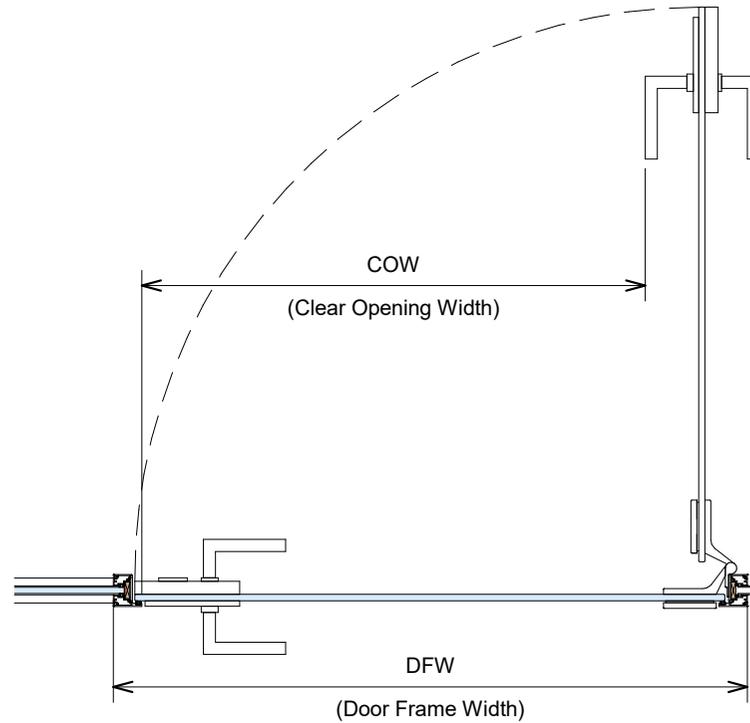
Glass Skin

4. SINGLE GLAZED DOOR

Compatible with:

- Glass Acoustic
- Glass Slim
- PA 100 Opaque and Glass

4. SINGLE GLAZED DOOR

COW
(Clear Opening Width)

DFW
(Door Frame Width)

COW (For DFW = 1000mm)			
DOOR TYPE	GLASS ACOUSTIC	GLASS SLIM	PA 100
Single Glazed Door	800mm	790mm	800mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
Single Glazed Door	With a 10mm tempered glass	N/D	800mm	1000mm	2800mm

4. SINGLE GLAZED DOOR

Standard Hardware

| STANDARD HARDWARE			
DOOR TYPE	ELEMENT	REFERENCE	IMAGE
Single Glazed Door	Hinges	4 Hinges 926.13.903	
	Door Stop	Door stop IN.13.121.20	
	Lock	Lock IN.20.331.Q	
	Handle	Handle IN.00.030.RB08M / IN.04.28R Y08.N	

4. SINGLE GLAZED DOOR

Special Hardware Posibilities

1. Floor door closer for 10mm pivot door leaf BTS75
2. Dorma Basic_Electric Strike
3. IN.20.333.Q_Strike box for lock
4. Ceiling door closer TS92 B
5. 981.49.910
6. IN.05.302
7. Hidraulic hinges Biloba 8060
8. IN.19.523.0_Cylinder
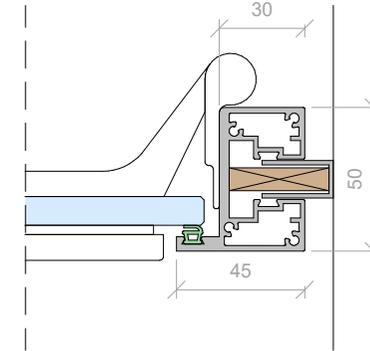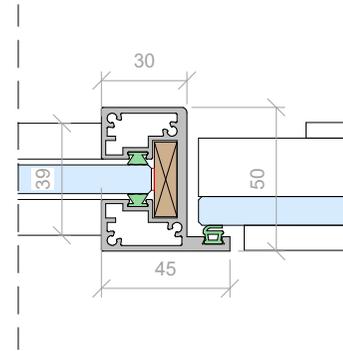9. IN.00.028B.SR
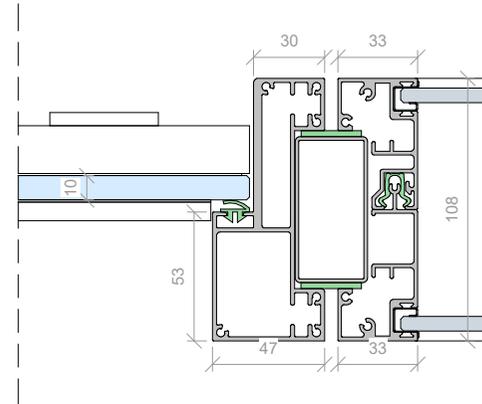10. Puxador_asa 8103
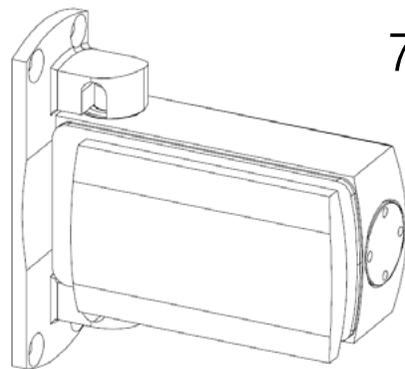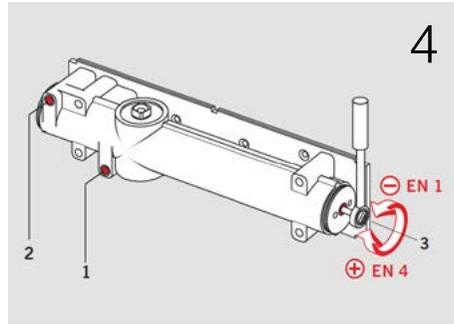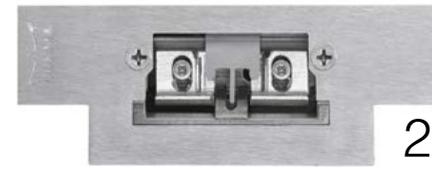
TECHNICAL DRAWINGS

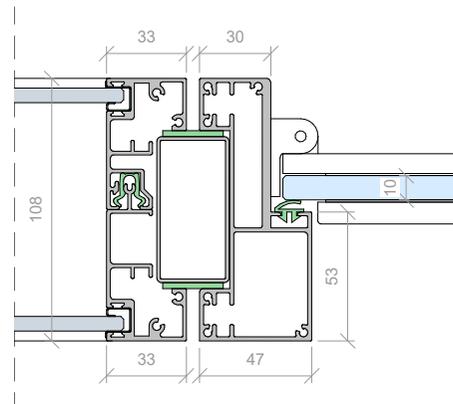## 4. SINGLE GLAZED DOOR
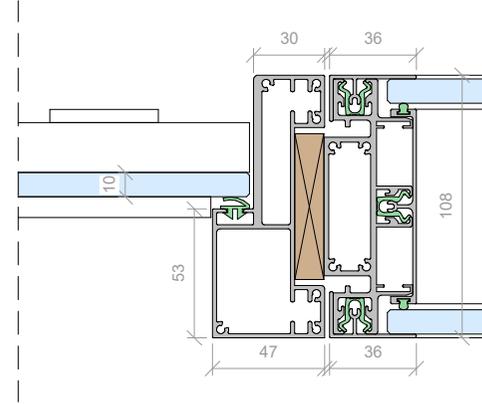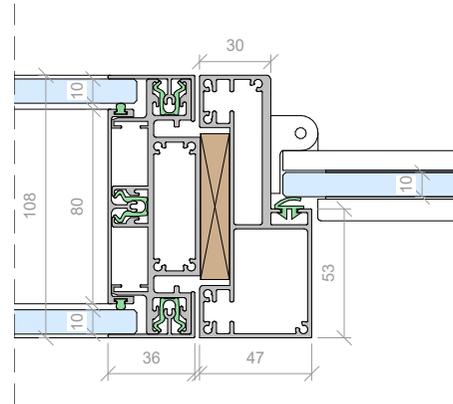
Single Glazed Door
Glass Acoustic
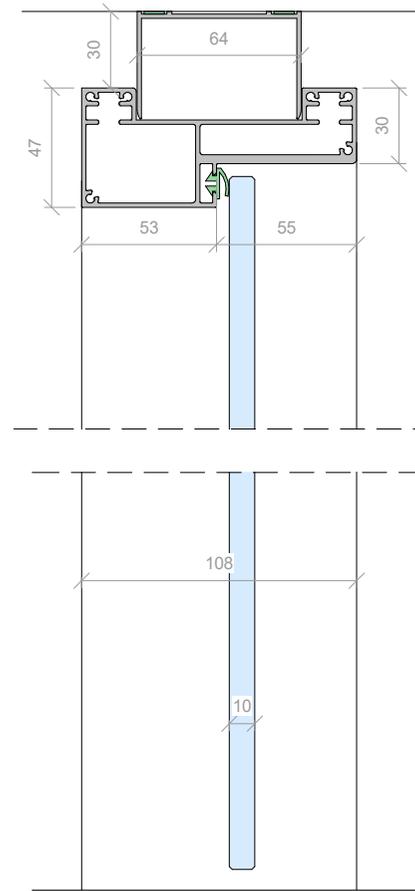

Single Glazed Door
Glass Slim

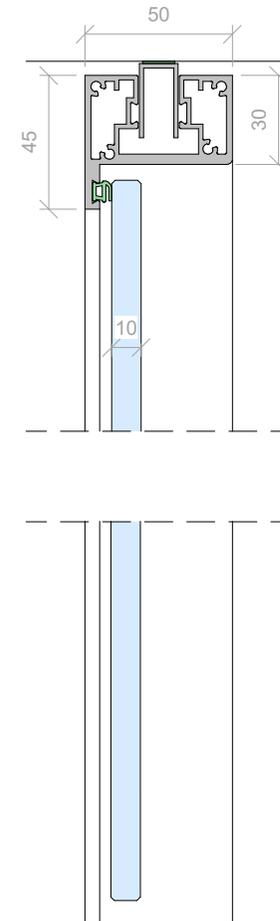Single Glazed Door
PA 100 Opaque & Glass

4. SINGLE GLAZED DOOR

Single Glazed Door
Glass Acoustic &
PA 100 Opaque and Glass

Single Glazed Door
Glass Slim
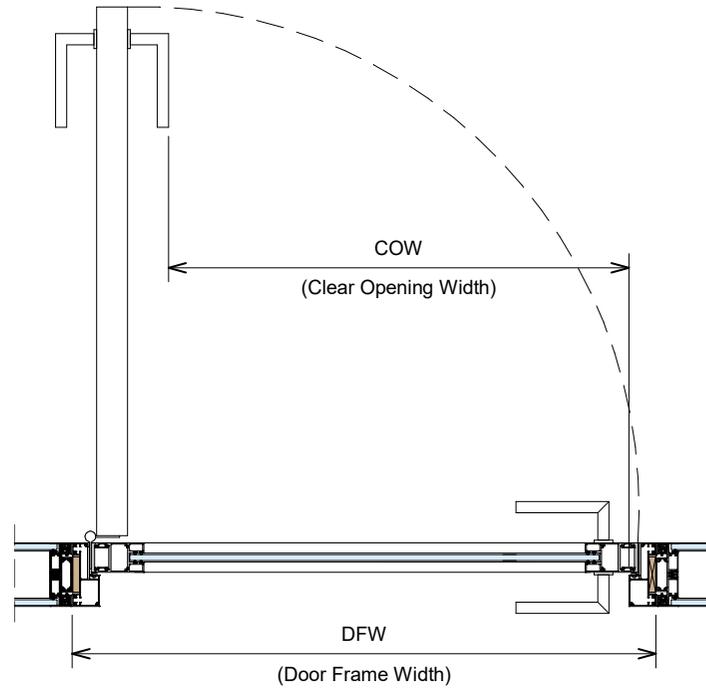
5. 50mm **FRAMED SINGLE GLAZED DOOR**

Compatible with:

- Glass Acoustic
- Glass Slim
- PA 100 Opaque and Glass

5. 50mm FRAMED SINGLE GLAZED DOOR

COW (For DFW = 1000mm)			
DOOR TYPE	GLASS ACOUSTIC	GLASS SLIM	PA 100
50mm Framed Single Glazed Door	790mm	790mm	790mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
50mm Framed Single Glazed Door		N/D	800mm	1000mm	3000mm

5. 50mm FRAMED SINGLE GLAZED DOOR

Standard Hardware

LINE SYSTEMS

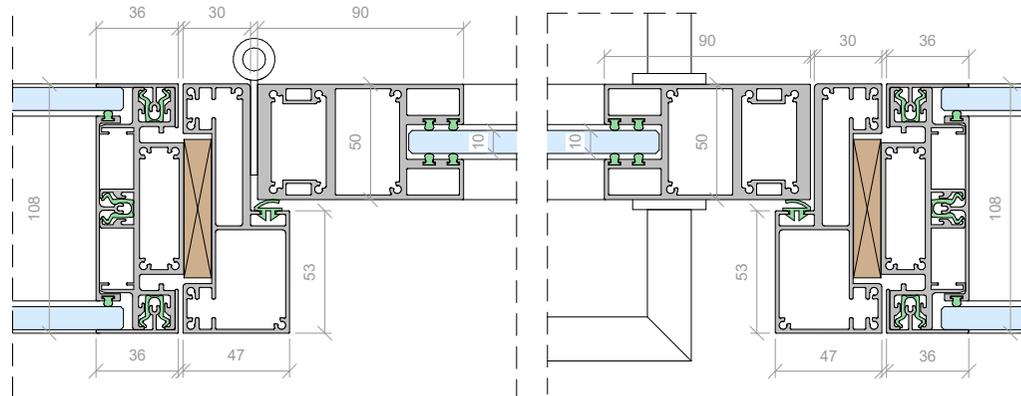| STANDARD HARDWARE			
DOOR TYPE	ELEMENT	REFERENCE	IMAGE
50mm Framed Single Glazed Door	Hinges	4 Hinges 926.13.903	
	Door Stop	Door stop IN.13.121.20	
	Lock	Lock IN.20.975.R TB60	
	Handle	Handle IN.00.030.RB08M	
	Key Hole	Key Hole IN.04.28R Y08.N	
	Acoustic Drop Down Seal	EllenMatic Soundproof Acoustic Drop Down Seal	

SWING DOORS

5. 50mm FRAMED SINGLE GLAZED DOOR

Special Hardware Posibilities

1. Ceiling door closer TS92 B
2. Dorma Basic_Electric Strike
3. Schlage L9456_Lock
4. Roller Lock T.9793.5.00
5. Flush Bolt FX 207.1_250_600
6. Puxador_asa 8103
7. IN.00.028.RB08M
8. IN.00.028B.RB08M
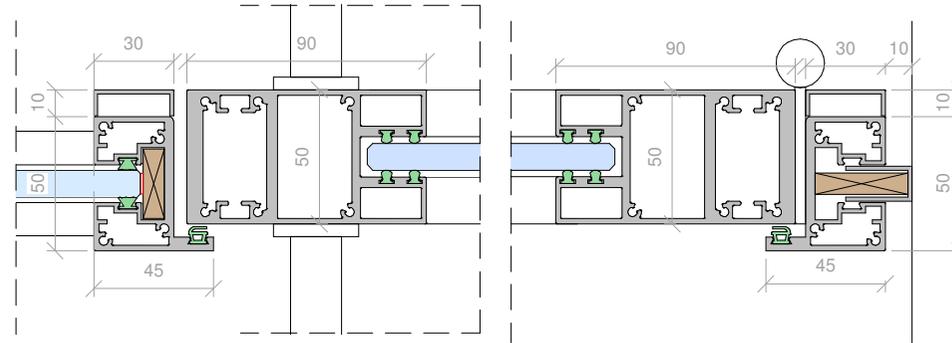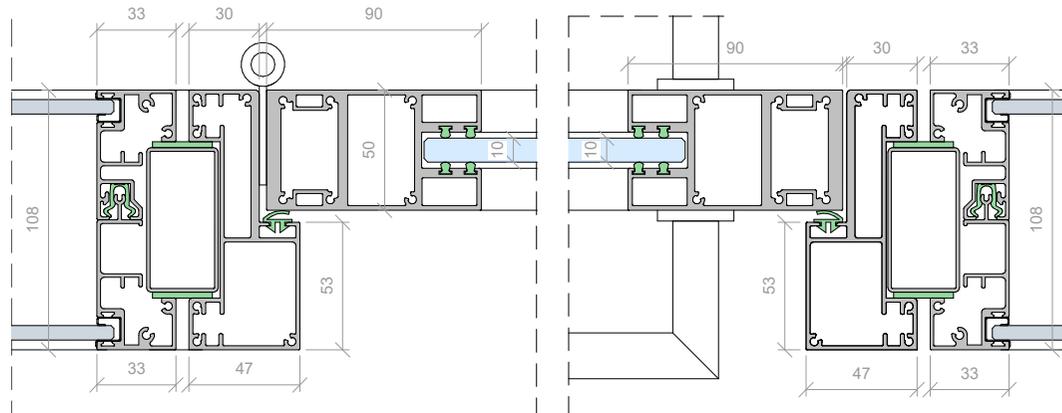
TECHNICAL DRAWINGS

5. 50mm FRAMED SINGLE GLAZED DOOR

50mm Framed Single Glazed Door
Glass Acoustic

50mm Framed Single Glazed Door
Glass Slim

50mm Framed Single Glazed Door
PA 100 Opaque & Glass

DOORS
Design Guide

LINE SYSTEMS

TECHNICAL DRAWINGS

5. 50mm FRAMED SINGLE GLAZED DOOR
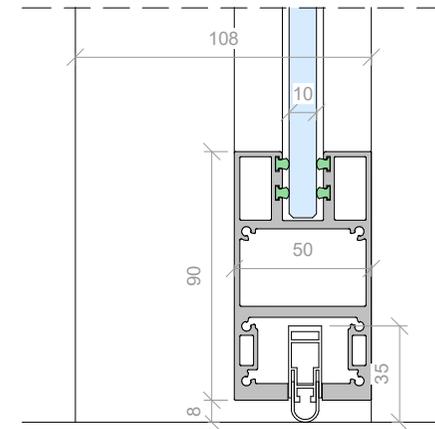

50mm Framed Single Glazed Door
Glass Acoustic &
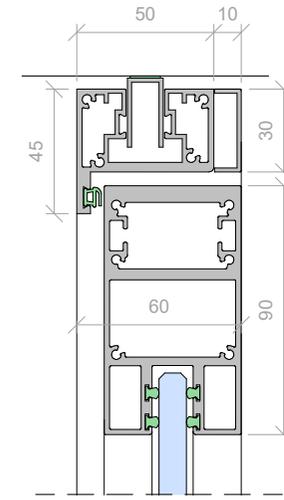PA 100 Opaque and Glass

50mm Framed Single Glazed Door
Glass Slim

LINESYSTEMS
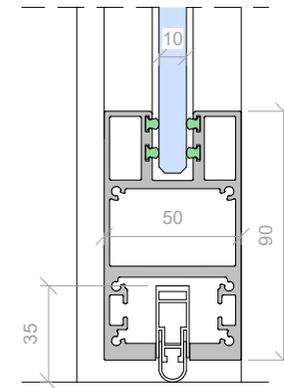
SWING DOORS

6. 50mm **DOUBLE GLAZED DOOR**

Compatible with:

- Glass Acoustic
- Glass Slim
- PA 100 Opaque and Glass

LINESYSTEMS

6. 50mm DOUBLE GLAZED DOOR

COW
(Clear Opening Width)

DFW
(Door Frame Width)

COW (For DFW = 1000mm)			
DOOR TYPE	GLASS ACOUSTIC	GLASS SLIM	PA 100
50mm Double Glazed Door	790mm	790mm	790mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
50mm Double Glazed Door	With Ellen Matic 51dB drop down seal, 6mm and 8mm tempered glasses	36 dB	800mm	1000mm	3000mm

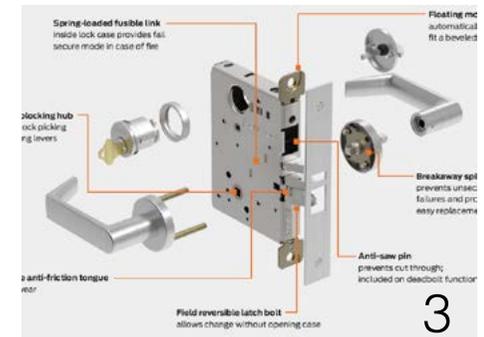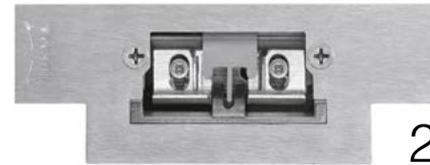## 6. 50mm DOUBLE GLAZED DOOR

Standard Hardware

LINE SYSTEMS

STANDARD HARDWARE			
DOOR TYPE	ELEMENT	REFERENCE	IMAGE
50mm Framed Single Glazed Door	Hinges	4 Hinges 926.13.903	
	Door Stop	Door stop IN.13.121.20	
	Lock	Lock IN.20.975.R TB60	
	Handle	Handle IN.00.030.RB08M	
	Key Hole	Key Hole IN.04.28R Y08.N	
	Acoustic Drop Down Seal	EllenMatic Soundproof Acoustic Drop Down Seal	

6. 50mm **DOUBLE GLAZED DOOR**

Special Hardware Posibilities

1. Ceiling door closer TS92 B
2. Dorma Basic_Electric Strike
3. Schlage L9456_Lock
4. Roller Lock T.9793.5.00
5. Flush Bolt FX 207.1_250_600
6. Puxador_asa 8103
7. IN.00.028.RB08M
8. IN.00.028B.RB08M

7. 50mm DOUBLE GLAZED FLUSH DOOR

Compatible with:

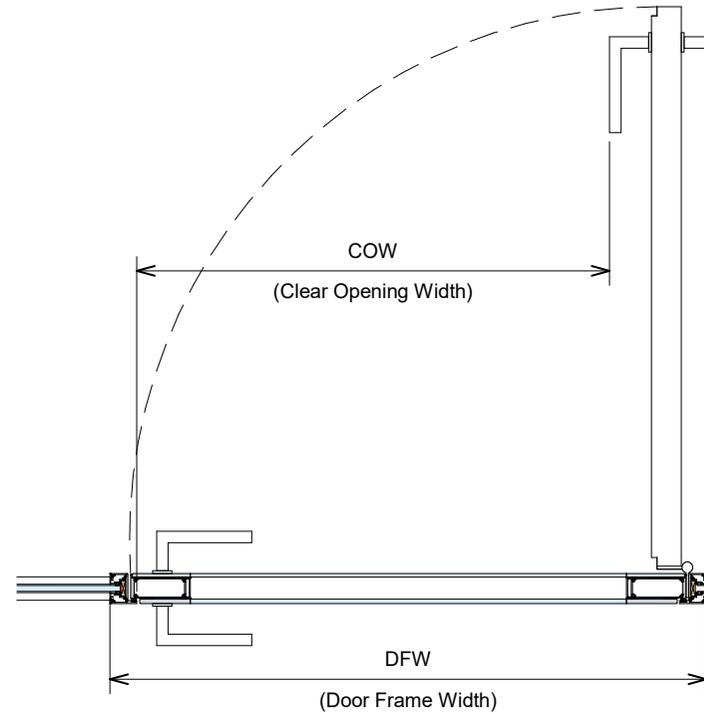- Glass Slim

SWING DOORS

7. 50mm DOUBLE GLAZED FLUSH DOOR

COW
(Clear Opening Width)

DFW
(Door Frame Width)

COW (For DFW = 1000mm)	
DOOR TYPE	GLASS SLIM
50mm Double Glazed Flush Door	790mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
50mm Double Glazed Flush Door	With Ellen Matic 51dB drop down seal, 6mm and 8mm tempered glasses	36 dB	800mm	1000mm	3000mm

LINE SYSTEMS

SWING DOORS

7. 50mm DOUBLE GLAZED FLUSH DOOR

Standard Hardware

LINESYSTEMS

| STANDARD HARDWARE			
DOOR TYPE	ELEMENT	REFERENCE	IMAGE
50mm Framed Single Glazed Door	Hinges	4 Hinges 926.13.903	
	Door Stop	Door stop IN.13.121.20	
	Lock	Lock IN.20.975.R TB60	
	Handle	Handle IN.00.030.RB08M	
	Key Hole	Key Hole IN.04.28R Y08.N	
	Acoustic Drop Down Seal	EllenMatic Soundproof Acoustic Drop Down Seal	

7. 50mm DOUBLE GLAZED FLUSH DOOR
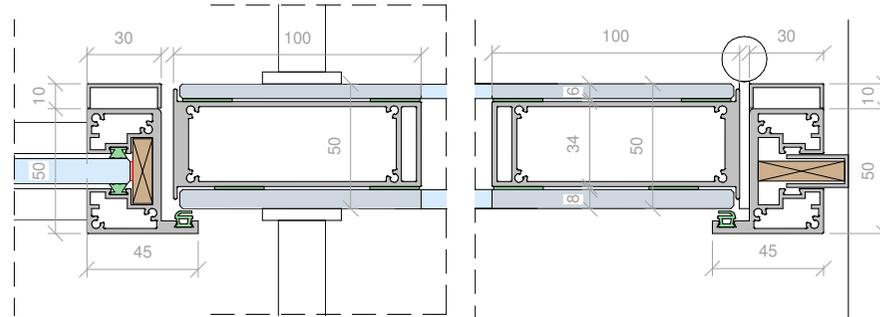
Special Hardware Posibilities

1. Ceiling door closer TS92 B
2. Dorma Basic_Electric Strike
3. Schlage L9456_Lock
4. Roller Lock T.9793.5.00
5. Flush Bolt FX 207.1_250_600
6. Puxador_asa 8103
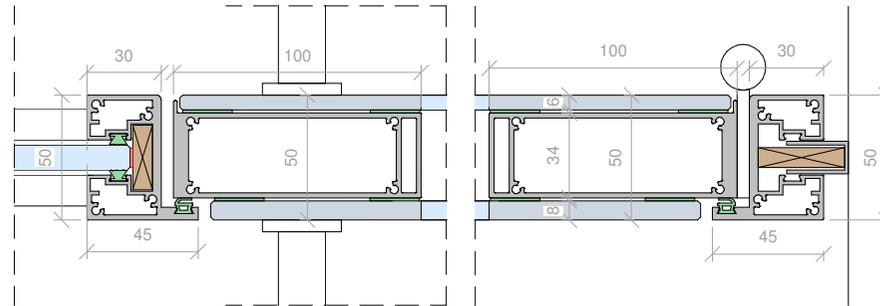7. IN.00.028.RB08M
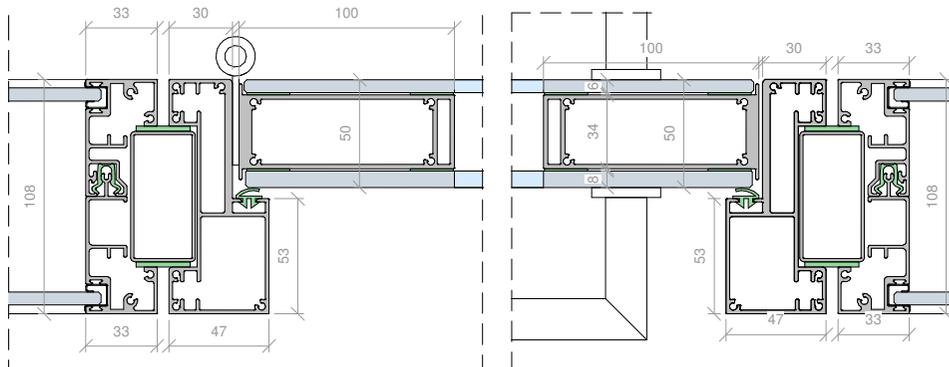8. IN.00.028B.RB08M
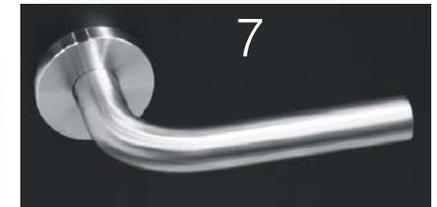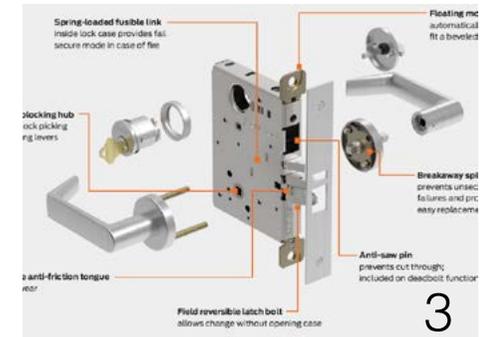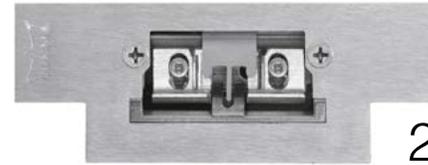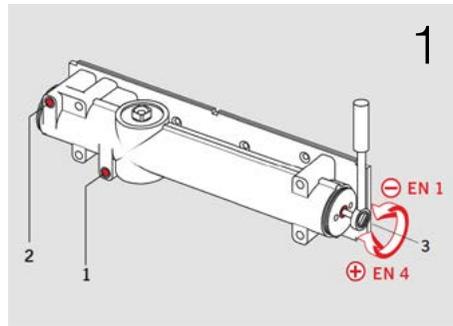
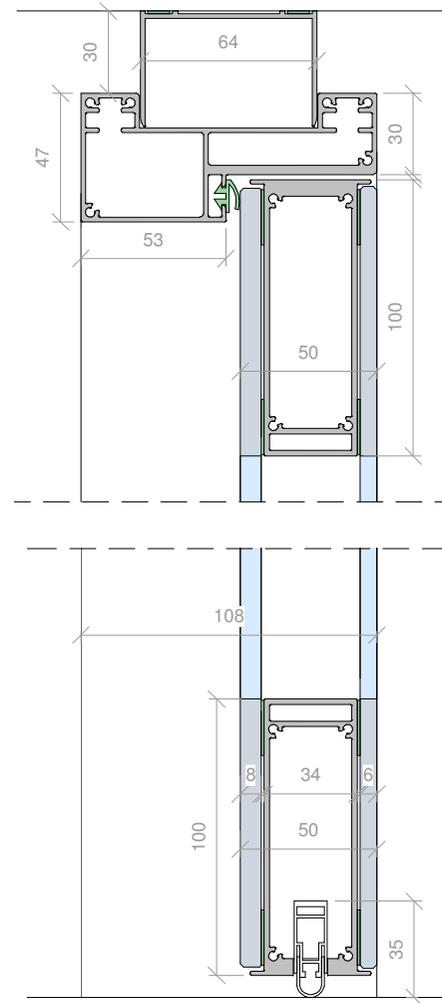# TECHNICAL DRAWINGS
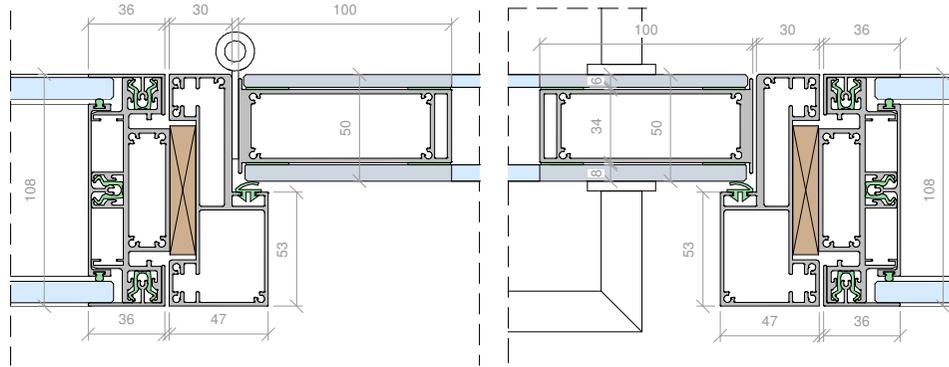
50mm Double Glazed Door
Glass Acoustic

50mm Double Glazed Door
Glass Slim

50mm Double Glazed Flush Door
Glass Slim

50mm Double Glazed Door
PA 100 Opaque & Glass

DOORS
Design Guide

LINESYSTEMS

TECHNICAL DRAWINGS

50mm Framed Single Glazed Door
Glass Acoustic &
PA 100 Opaque and Glass
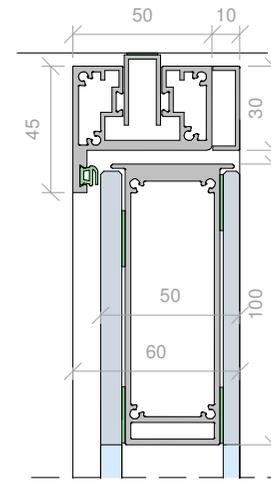
50mm Framed Single Glazed Door
Glass Slim
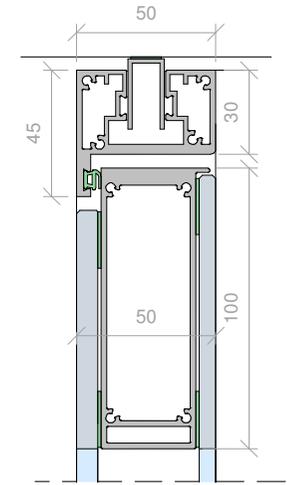
50mm Framed Single Glazed Door
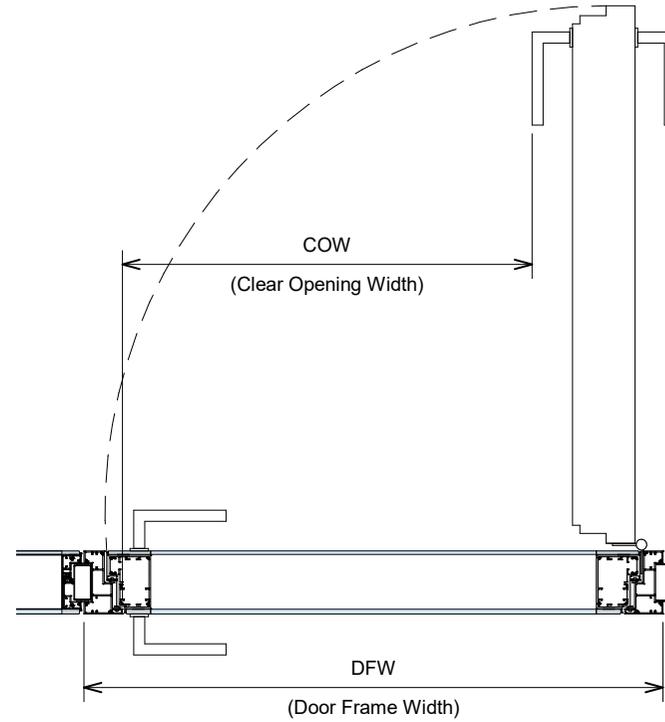Glass Slim

8. Glass Skin Door

Compatible with:

- Glass Skin
- Glass Acoustic
- PA 100 Opaque and Glass

8. Glass Skin Door

COW
(Clear Opening Width)

DFW
(Door Frame Width)

COW (For DFW = 1000mm)			
DOOR TYPE	GLASS SKIN	GLASS ACOUSTIC	PA 100
Glass Skin Door	700mm	700mm	700mm

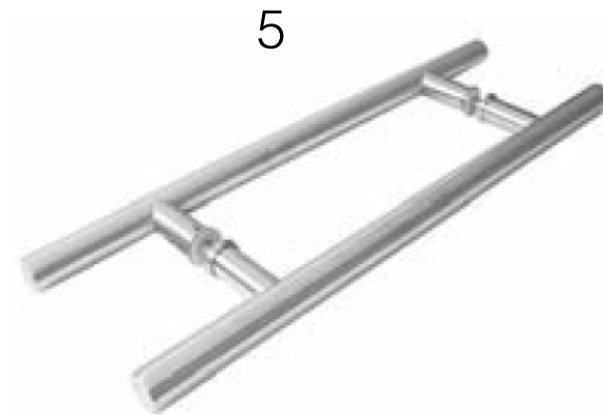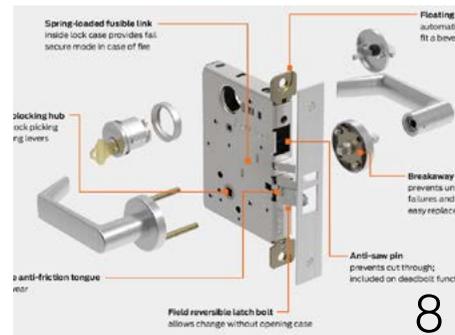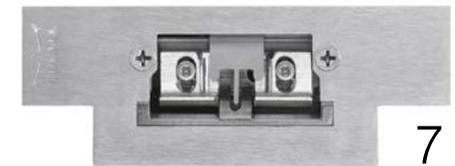| DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
Glass Skin Door	With Ellen Matic 51dB double drop down seal, 6mm tempered glass, and 8mm acoustic tempered and laminated glass	42 dB	800mm	1000mm	3000mm
	With 44 dB drop down seal, 6mm and 8mm tempered glass	36 dB	800mm	1000mm	3000mm

8. Glass Skin Door

Standard Hardware

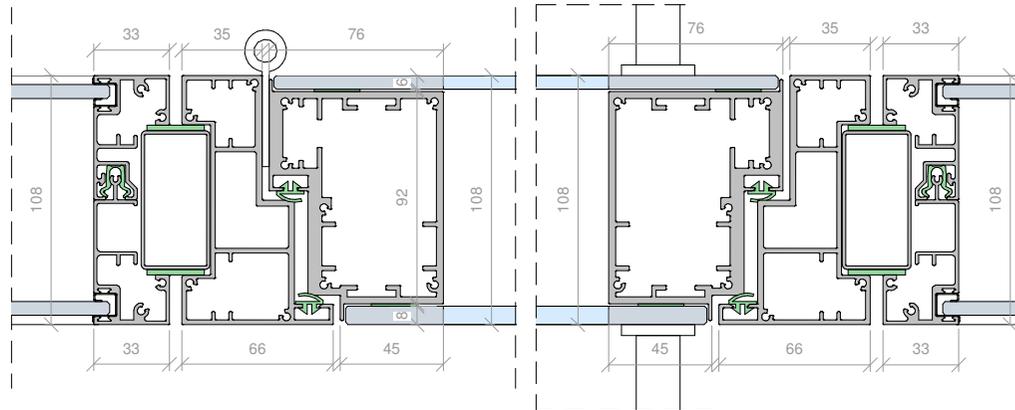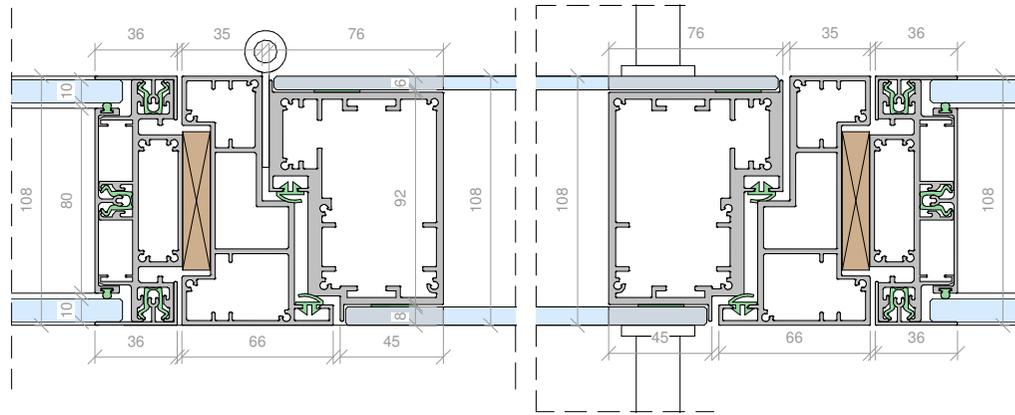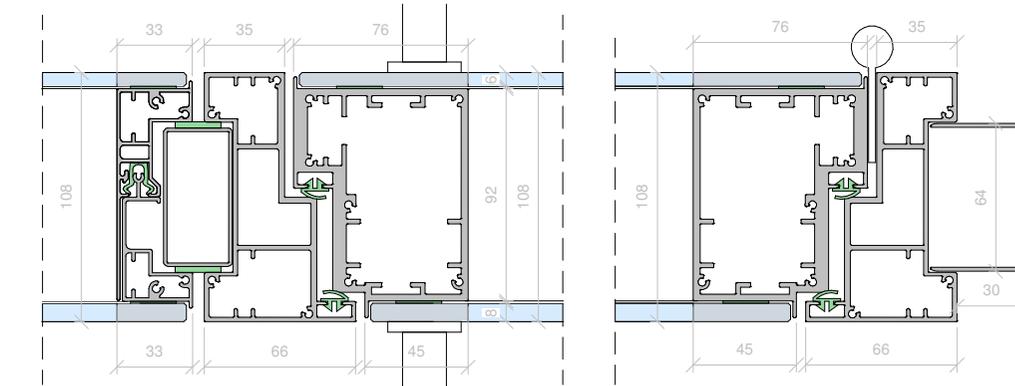| STANDARD HARDWARE			
DOOR TYPE	ELEMENT	REFERENCE	IMAGE
53mm Opaque Door	Hinges	4 Hinges 926.13.903	
	Door Stop	Door stop IN.13.120	
	Lock	Lock 911.75.983	
	Handle	Handle IN.00.030.SR / RT32	
	Key Hole	Key Hole IN.04.36RT.Y10M	
	Acoustic Drop Down Seal	EllenMatic Soundproof Acoustic Drop Down Seal	

8. Glass Skin Door

Special Hardware Posibilities

1. Ceiling door closer TS92 B
2. Hidden Hinges 1131s
3. Roller Lock T.9793.5.00
4. Concealed door closer GEZE-TS2-4
5. Puxador_asa 8103
6. Flush Bolt FX 207.1_250_600
7. Dorma Basic_Electric Strike
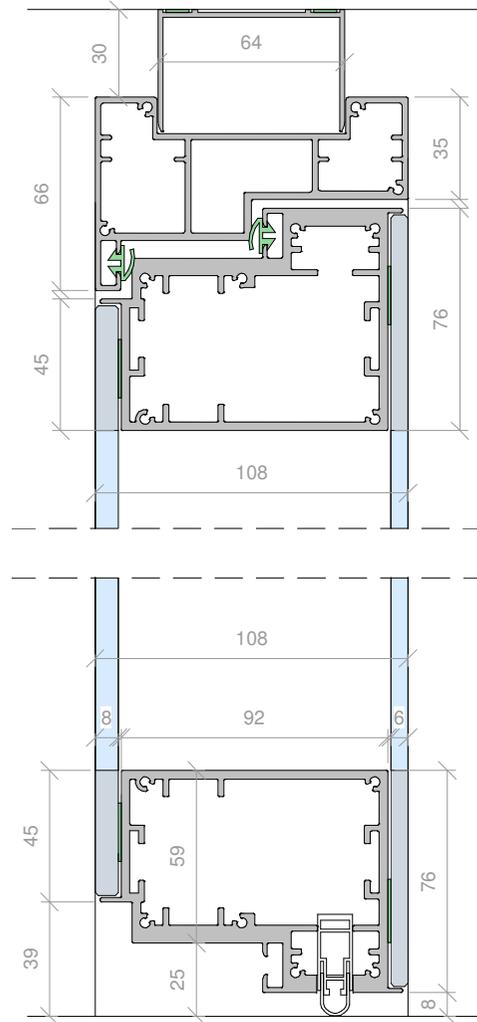8. Schlage L9456_Lock
9. IN.00.028B.SR

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8. Glass Skin Door

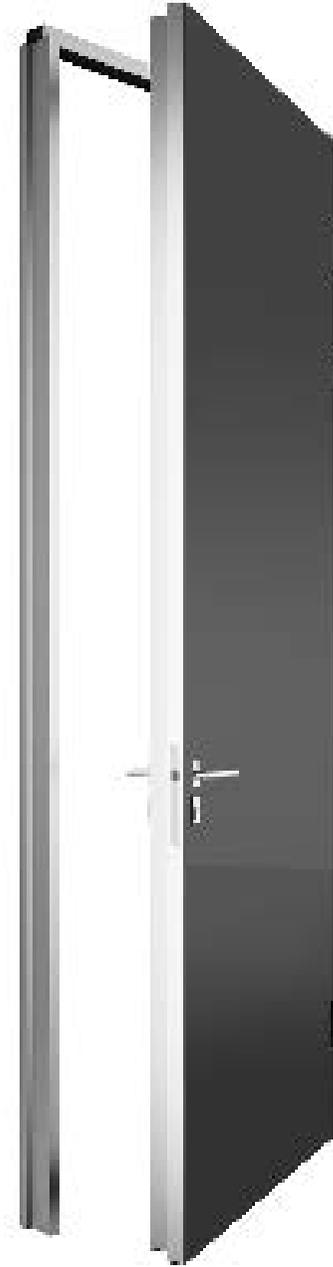8. Glass Skin Door

9. Glass Skin Opaque Door

Compatible with:

- Glass Skin
- Glass Acoustic
- PA 100 Opaque and Glass

LINESYSTEMS

9. Glass Skin Opaque Door

COW (For DFW = 1000mm)			
DOOR TYPE	GLASS SKIN	GLASS ACOUSTIC	PA 100
Glass Skin Opaque Door	700mm	700mm	700mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
Glass Skin Opaque Door		N/D	800mm	1000mm	3000mm

9. Glass Skin Opaque Door

Standard Hardware

STANDARD HARDWARE			
DOOR TYPE	ELEMENT	REFERENCE	IMAGE
53mm Opaque Door	Hinges	4 Hinges 926.13.903	
	Door Stop	Door stop IN.13.120	
	Lock	Lock 911.75.983	
	Handle	Handle IN.00.030.SR / RT32	
	Key Hole	Key Hole IN.04.36RT.Y10M	
	Acoustic Drop Down Seal	EllenMatic Soundproof Acoustic Drop Down Seal	
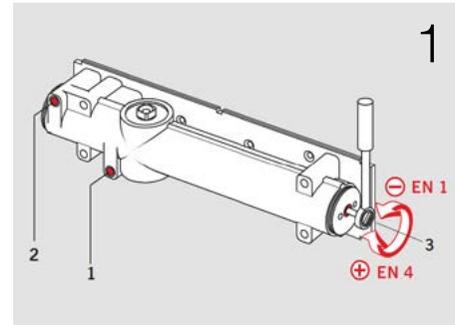
SWING DOORS

9. Glass Skin Opaque Door

Special Hardware Posibilities

1. Ceiling door closer TS92 B
2. Hidden Hinges 1131s
3. Roller Lock T.9793.5.00
4. Concealed door closer GEZE-TS2-4
5. Puxador_asa 8103
6. Flush Bolt FX 207.1_250_600
7. Dorma Basic_Electric Strike
8. Schlage L9456_Lock
9. IN.00.028B.SR

LINE SYSTEMS

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9. Glass Skin Opaque Door
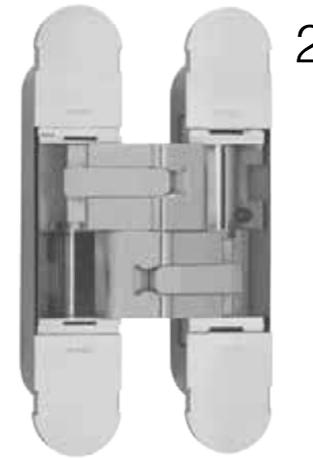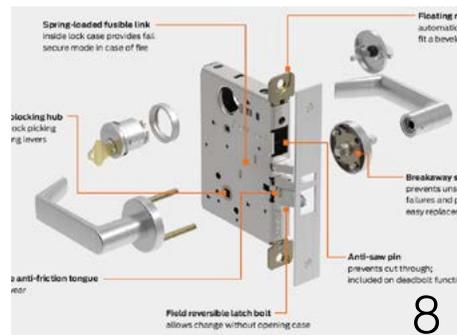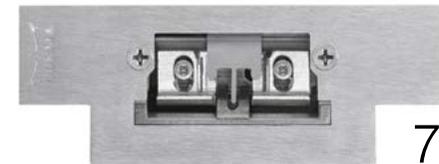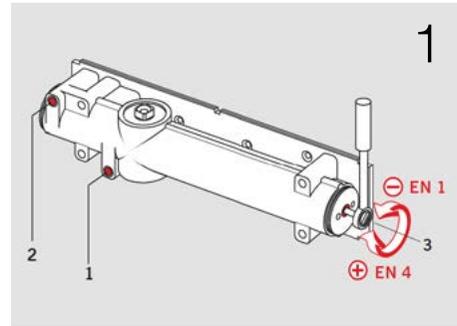
TECHNICAL DRAWINGS

9. Glass Skin Opaque Door

SLIDING DOORS

1. WOD 50mm Framed Single
Glazed Door

2. WOD 50mm Double Glazed Door

3. WOD 50mm Opaque Door

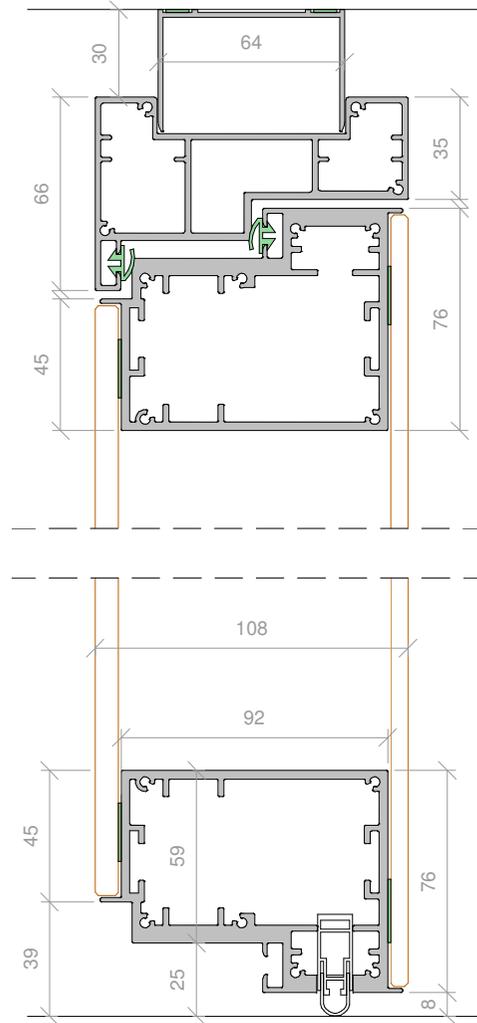# SLIDING DOORS

1. WOD 50mm FRAMED SINGLE GLAZED DOOR
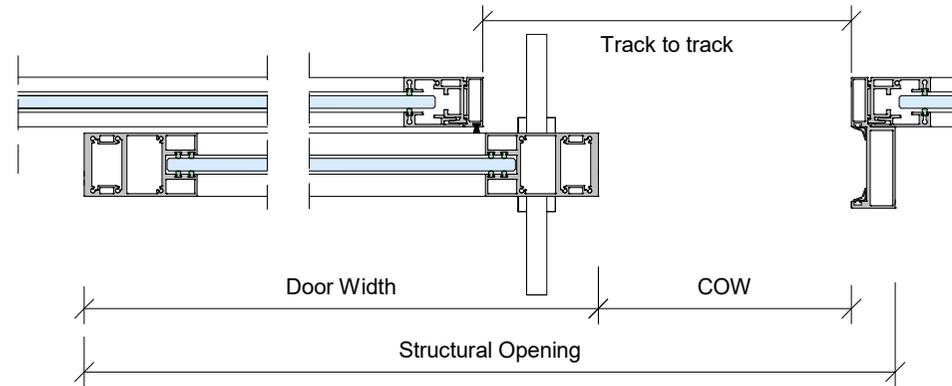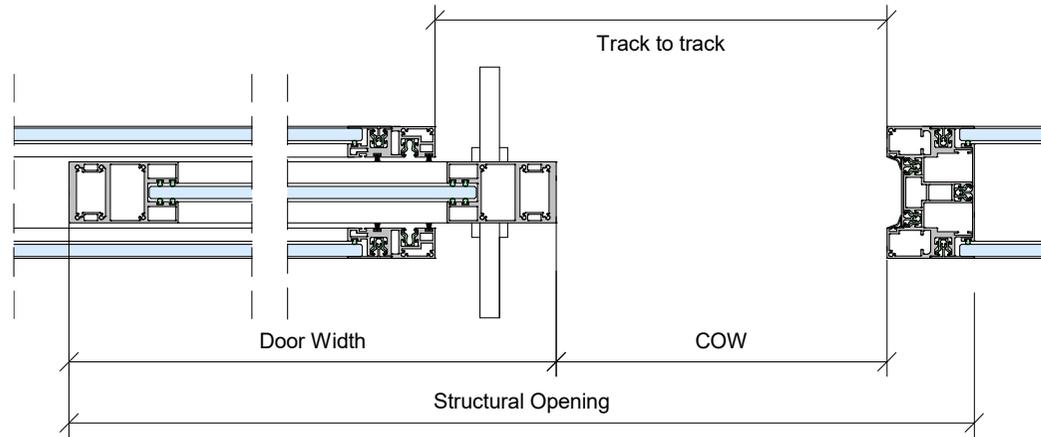
Compatible with:

- Glass Acoustic
- Glass Slim

Glass Acoustic

Glass Slim

SLIDING DOORS

1. WOD 50mm FRAMED SINGLE GLAZED DOOR

Track to track

Door Width | COW

Structural Opening

Track to track

Door Width | COW

Structural Opening

COW (For Track to Track = 1000mm)		
DOOR TYPE	GLASS ACOUSTIC	GLASS SLIM
WOD 50mm Framed Single Glazed Door	890mm	890mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
WOD 50mm Framed Single Glazed Door		N/D	800mm	1000mm	3000mm

SLIDING DOORS

1. WOD 50mm FRAMED SINGLE GLAZED DOOR

Hardware possibilities:

Handle IN.07.296.D
Material: Stainless steel - EN 1.4301

Handle IN.07.297.D
Material: Stainless steel - EN 1.4301

Optimum 1-Point Mortice Lock
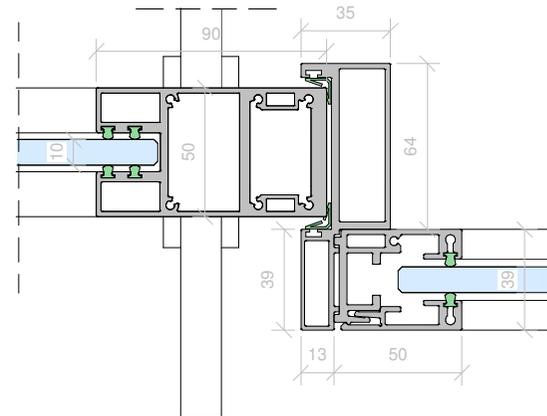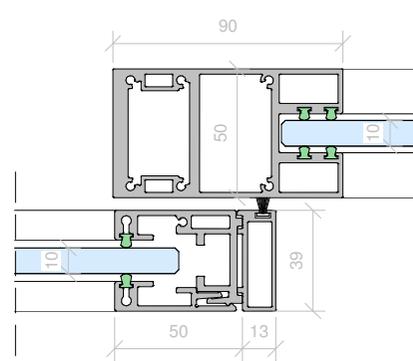Material: Stainless steel forend plate

Pinnacle Sliding Door Lock
Material: Stainless steel forend plate

TECHNICAL DRAWINGS

1. WOD 50mm Framed Single
Glazed Door

WOD Glass Acoustic
50mm Framed Single Glazed Door

WOD Glass Slim 50mm Framed Single
Glazed Door

DOORS
Design Guide

LINE SYSTEMS
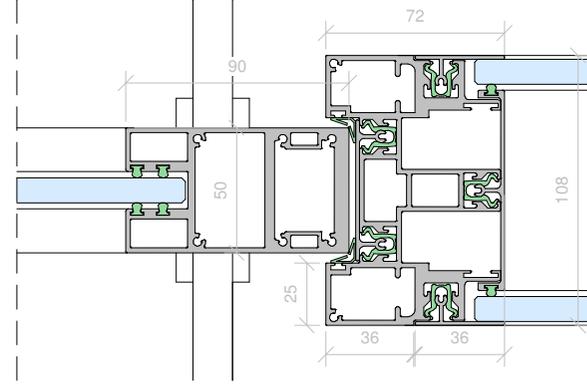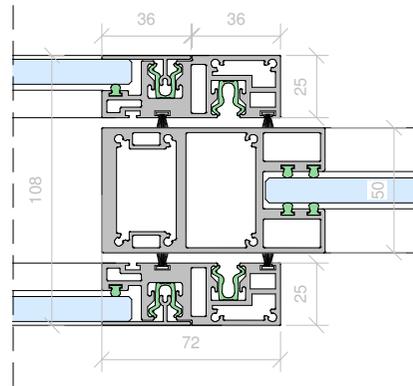
TECHNICAL DRAWINGS

1. WOD 50mm Framed Single
Glazed Door

WOD Glass Acoustic 50mm Framed Single
Glazed

WOD Glass Slim 50mm Framed Single
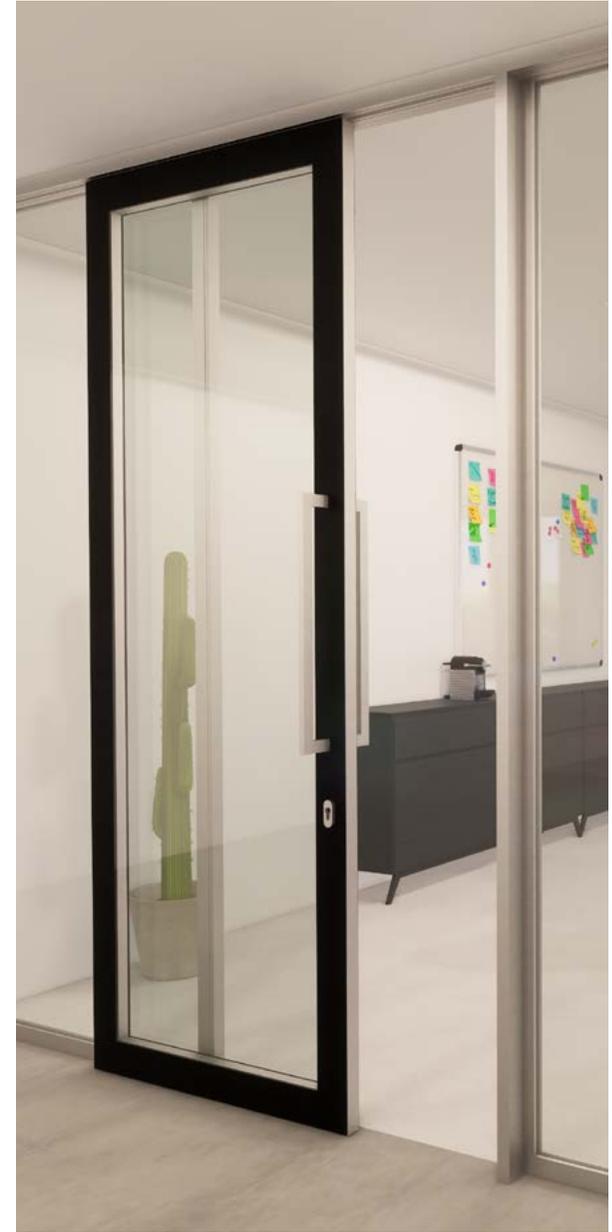Glazed Door

SLIDING DOORS

2. WOD 50mm DOUBLE GLAZED DOOR

Compatible with:
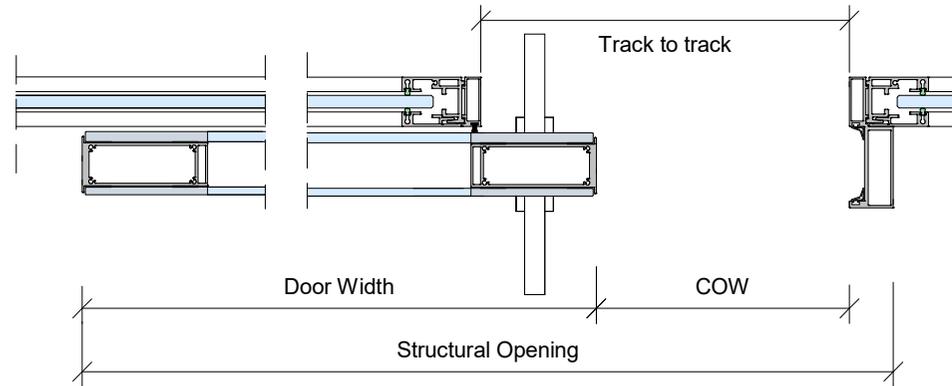
- Glass Acoustic
- Glass Slim

Glass Acoustic

Glass Slim

SLIDING DOORS

2. WOD 50mm DOUBLE GLAZED DOOR

Track to track

Door Width   COW

Structural Opening

Track to track

Door Width   COW

Structural Opening

COW (For Track to Track = 1000mm)		
DOOR TYPE	GLASS ACOUSTIC	GLASS SLIM
WOD 50mm Double Glazed Door	890mm	890mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
WOD 50mm Double Glazed Door		N/D	800mm	1000mm	3000mm

SLIDING DOORS

2. WOD 50mm DOUBLE GLAZED DOOR

Hardware possibilities:

Handle IN.07.296.D
Material: Stainless steel - EN 1.4301

Handle IN.07.297.D
Material: Stainless steel - EN 1.4301

Optimum 1-Point Mortice Lock
Material: Stainless steel forend plate

Pinnacle Sliding Door Lock
Material: Stainless steel forend plate

LINE SYSTEMS

TECHNICAL DRAWINGS

2. WOD 50mm Double Glazed Door

WOD Glass Acoustic
50mm Double Glazed Door

WOD Glass Slim
50mm Double Glazed Door

2. WOD 50mm Double Glazed Door

WOD Glass Acoustic

50mm Double Glazed Door

WOD Glass Slim

50mm Double Glazed Door

SLIDING DOORS

3. WOD 50mm OPAQUE DOOR
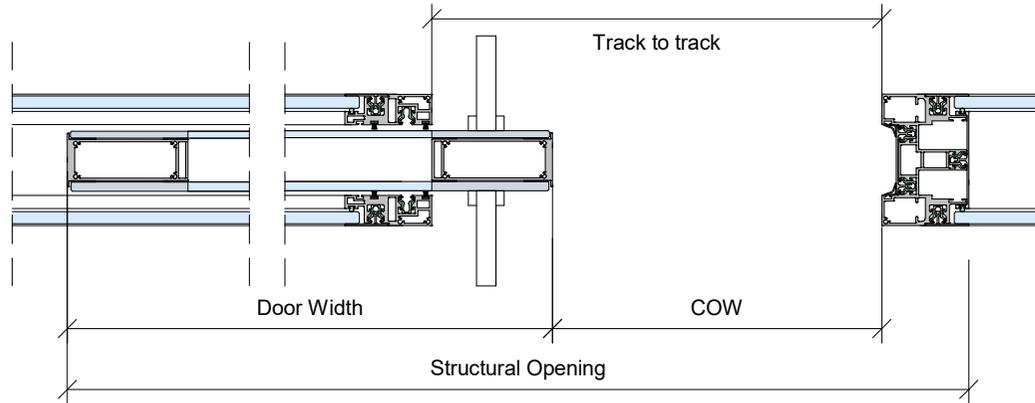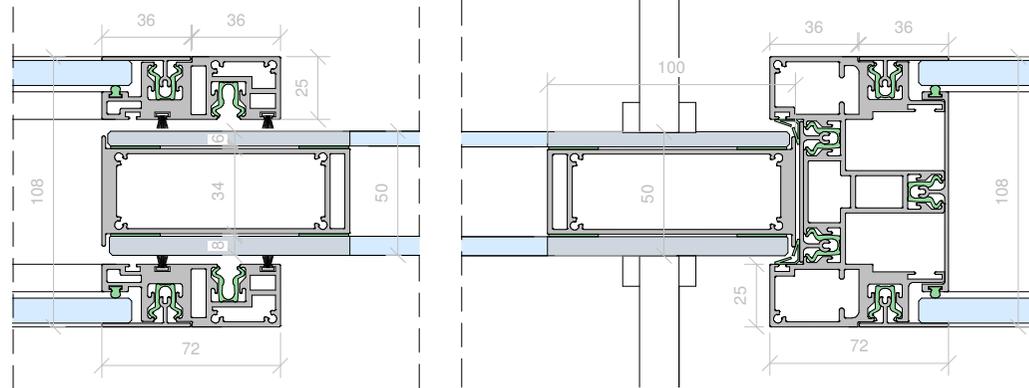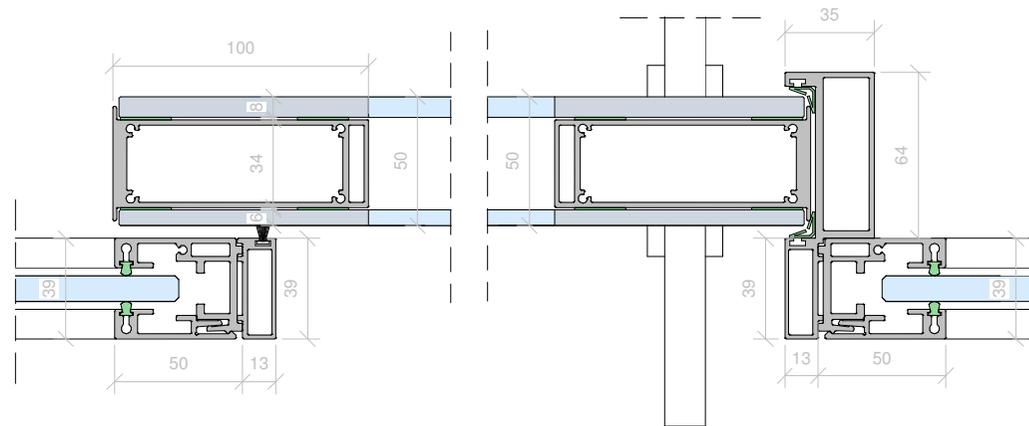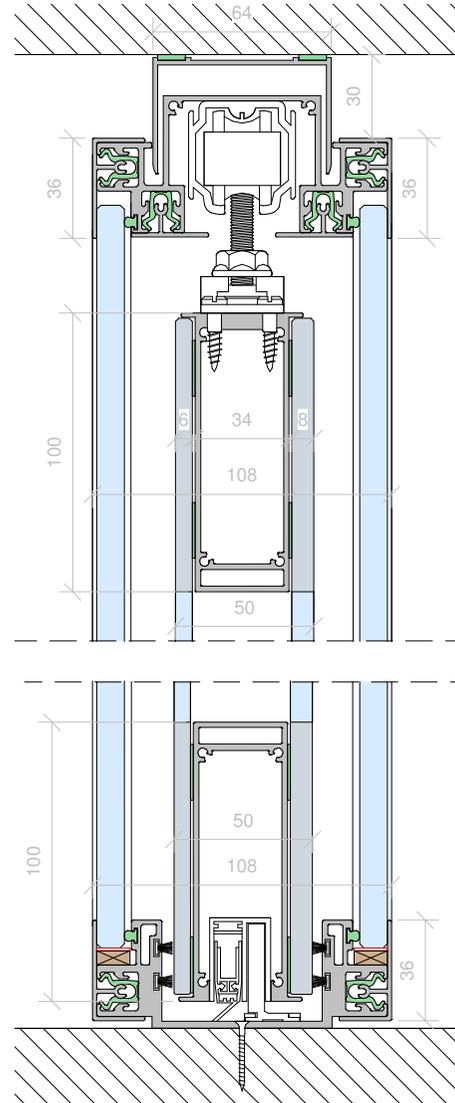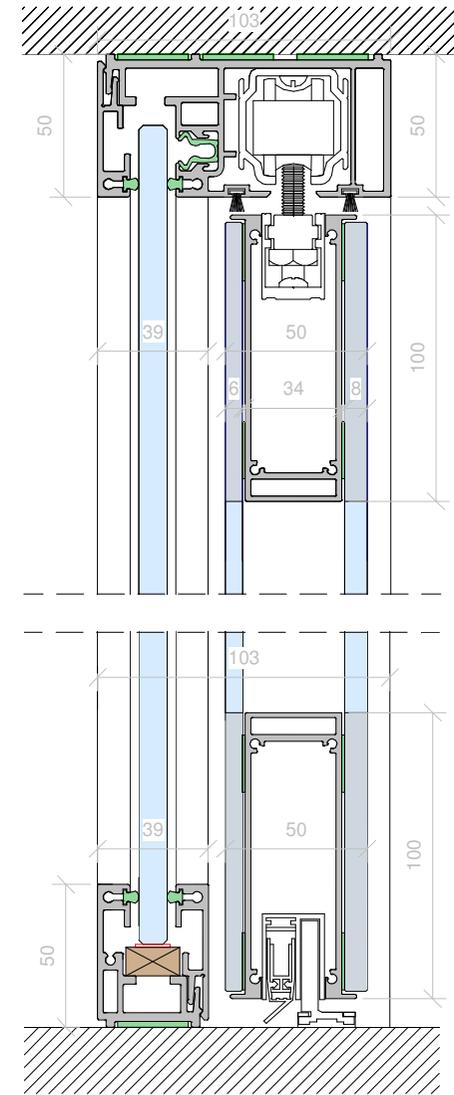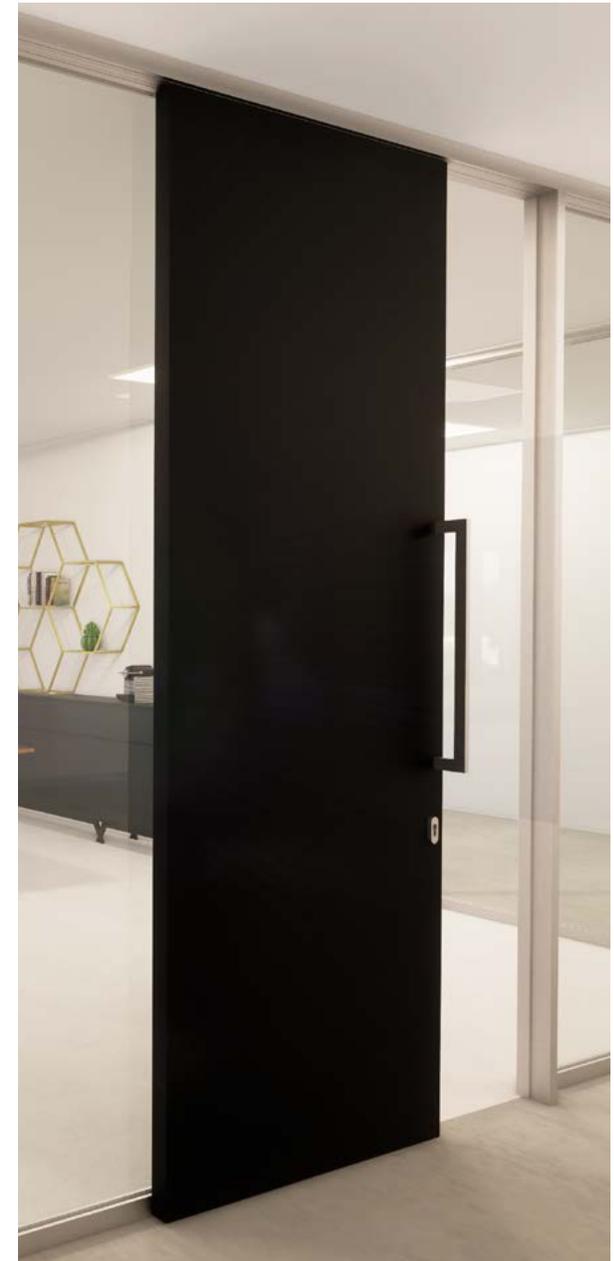
Compatible with:

- Glass Acoustic
- Glass Slim

LINESYSTEMS

Glass Acoustic

Glass Slim

SLIDING DOORS

3. WOD 50mm OPAQUE DOOR
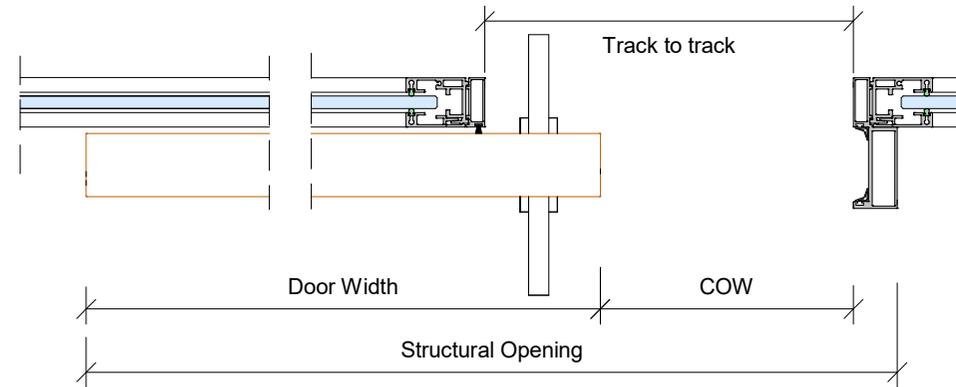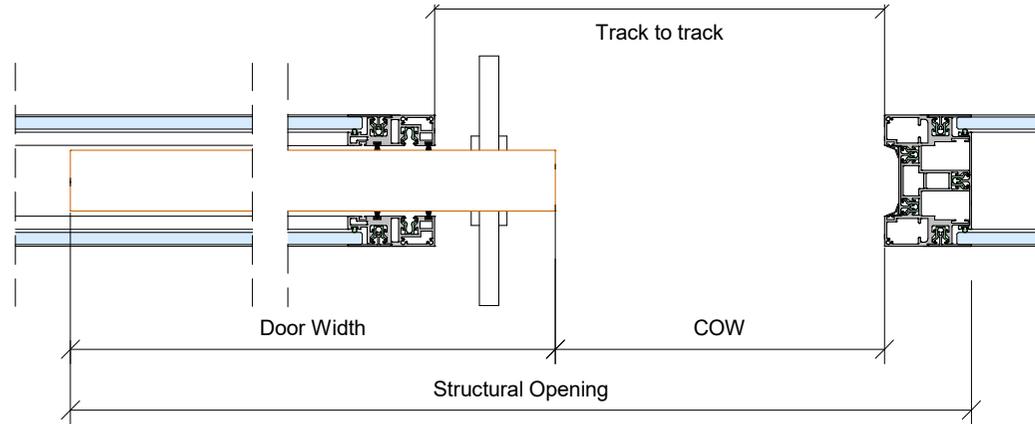
COW (For Track to Track = 1000mm)		
DOOR TYPE	GLASS ACOUSTIC	GLASS SLIM
WOD 50mm Opaque Door	890mm	890mm

DOOR TYPE	CHARACTERISTICS	Rw	MIN. PANEL WIDTH	MAX. PANEL WIDTH	MAX. PANEL HEIGHT
WOD 50mm Opaque Door		N/D	800mm	1000mm	3000mm

SLIDING DOORS

3. WOD 50mm OPAQUE DOOR

Hardware possibilities:

Handle IN.07.296.D
Material: Stainless steel - EN 1.4301

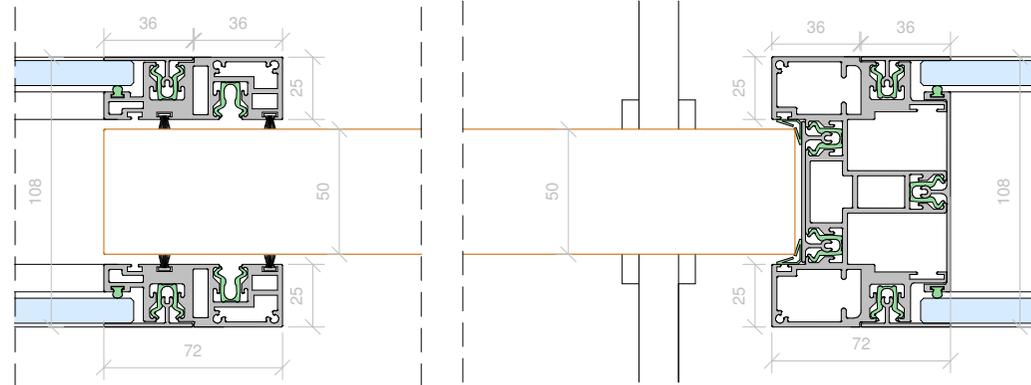Handle IN.07.297.D
Material: Stainless steel - EN 1.4301

Optimum 1-Point Mortice Lock
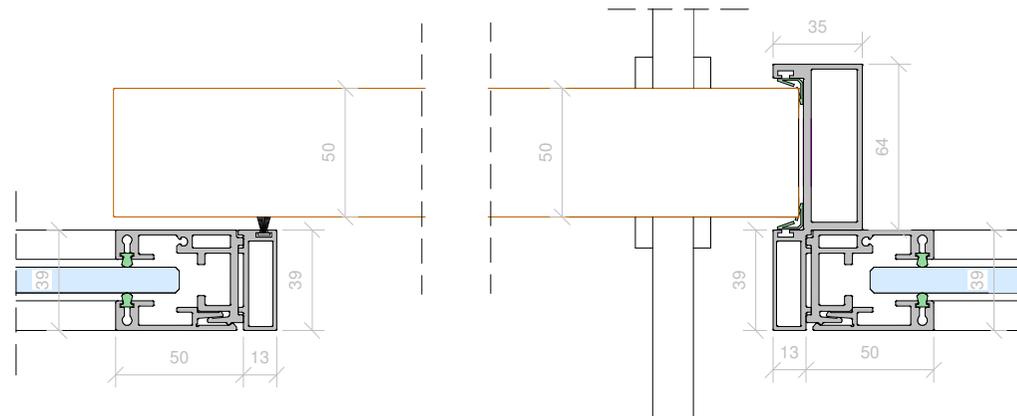Material: Stainless steel forend plate

Pinnacle Sliding Door Lock
Material: Stainless steel forend plate
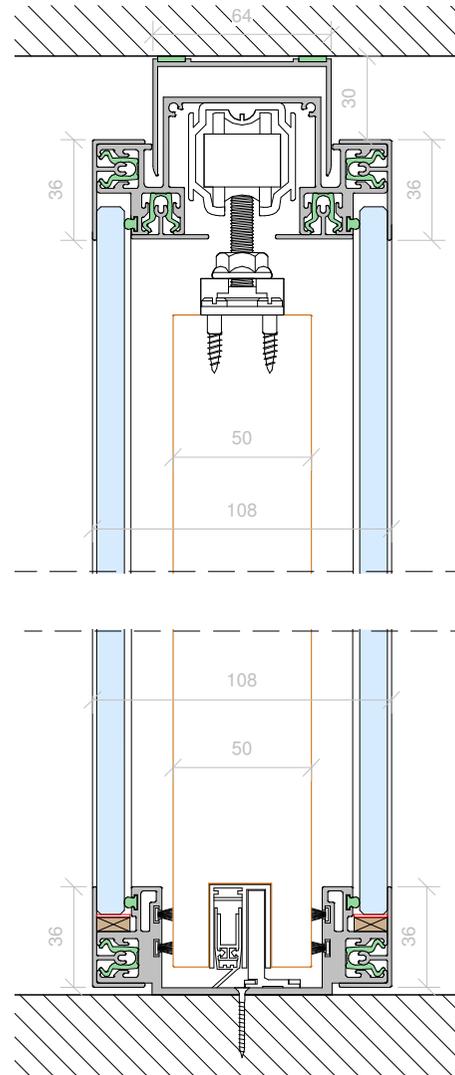
TECHNICAL DRAWINGS

3. WOD 50mm Opaque Door
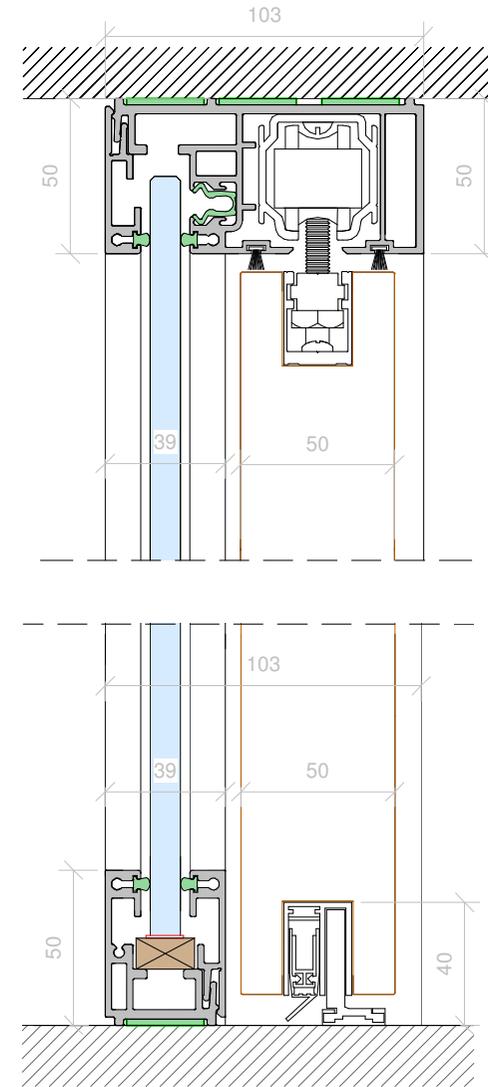

WOD Glass Acoustic
50mm Opaque Door

WOD Glass Slim
50mm Opaque Door

TECHNICAL DRAWINGS

3. WOD 50mm Opaque Door

WOD Glass Acoustic 50mm Opaque

WOD Gkass Slim 50mm Opaque

COMPATIBILITY DOOR TYPE - WALL SYSTEM					
	DOOR TYPE	GLASS ACOUSTIC	GLASS SLIM	PA 100	GLASS SKIN
SWING DOORS	50mm Opaque Door	✓	×	✓	×
	40mm Opaque Door	×	✓	×	×
	53mm Opaque Door	×	×	×	✓
	Single Glazed Door	✓	✓	✓	×
	50mm Framed Single Glazed Door	✓	✓	✓	×
	50mm Double Glazed Door	✓	✓	✓	×
	50mm Double Glazed Flush Door	×	✓	×	×
	Glass Skin Door	✓	×	✓	✓
	Glass Skin Opaque Door	✓	×	✓	✓
SILIDING DOORS	WOD 50mm Framed Single Glazed Door	✓	✓	×	×
	WOD 50mm Double Glazed Door	✓	✓	×	×
	WOD 50mm Opaque Door	✓	✓	×	×

LINE SYSTEMS

ME & Africa by Phoenix Design

www.linesystems.eu

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LS.MEA@phoenixdesign-ft.com