CLIP-IN SILENCE™ SYSTEMS

SOUND • EDITION 8

PROJECT	CIRQADA - Utrecht
PRODUCT	SYSTEMS CLIP-IN SILENCE
ARCHITECT	Jeanne Dekkers Architectuur

CLIP-IN SILENCE™ SYSTEMS
No caulking required
Sound-insulated fully-glazed wall

Are you looking for a glass wall system that offers clear glass, acoustical dampening and flexible system configurations? CLIP-IN SILENCE™ SYSTEMS combines all of these desirable features.

Walls
CLIP-IN SILENCE™ SYSTEMS uses SGG STADIP SILENCE®, which is laminated glass using an acoustic interlayer PVB (SI). The acoustic interlayer has no effect on the translucence of the glass. The laminated glass is impact resistant to prevent people from falling through the assembly. The walls have been tested up to a noise reduction level of 60dB the equivalent to an STC rating of 60.

Doors
SILENCE DOOR™ SYSTEMS is the collective name for these soundproof door systems, which can be used in soundproof walls without noise leaks. This product range includes both hinging and pivoting doors. The doors have been tested by TNO and Peutz up to RW values of 32dB to 47dB.

PROJECT	MCE Tennet - Arnhem
PRODUCT	wall - SYSTEMS CLIP-IN SILENCE 1338™ + CURVED. door - SYSTEMS SILENCE DOOR PC1337™
ARCHITECT	Studio Groen+Schild - Deventer

SGG CLIP-IN SILENCE™ SYSTEMS
## soundproof glass doors and wall systems

NO CAULKING REQUIRED!

Details below display the structural connections for the CLICK25™ system. CLICK25™ is an optional aluminum section that can be installed without the use of caulking. CLICK25™ innovative Glass coupler allows the vertical glass joint to be glazed with out the use of caulking. The CLICK25™ section is available in natural anodized aluminum (EV1), in stainless steel-look or in the client's preferred RAL color. The glass couplers can be supplied in 3 models: CLIP-IN X-profile™ for straight couplings, CLIP-IN T-profile™ for panels positioned at right angles to the wall, and CLIP-IN H-profile™ for a 90 degree angled structure.
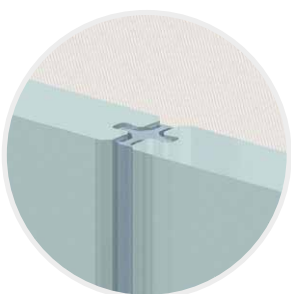
Detail A
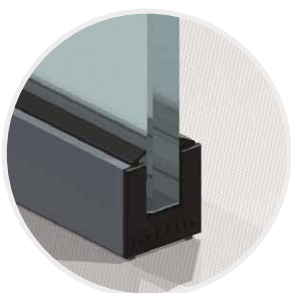
Basic detail of the structural connections for the CLICK25™ (also for the wall connection)
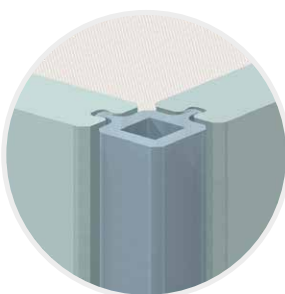
Detail B
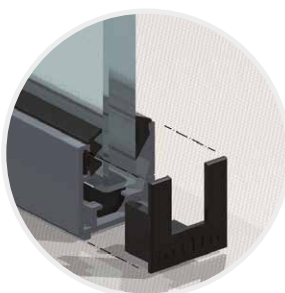
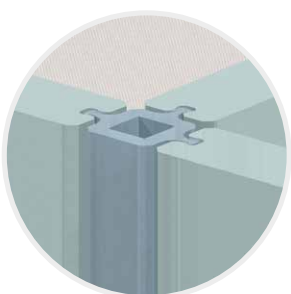Basic detail of the structural connections for the CLICK25™ section with an end cover for the door connections

Detail D

Glass coupler for the CLIP-IN X-profile™

Detail E

Glass coupler for the CLIP-IN H-profile™

Detail F

Glass coupler for the CLIP-IN T-profile™

DETAIL D   CLIP-IN X-profiel™

DETAIL E   CLIP-IN H-profiel™

## SILENCE DOOR SYSTEMS PC1032™ / PC1135™ / PC1337™

This soundproof door has a RW-value of 32dB, 35dB or 37dB. Doors of the type PC can be used in spaces where you do not want any grooves in the floor (in the case of under-floor heating, for example), or where it is not possible or permissible to drill deep into the floor. The frame section is made of aluminum and is available in anodized aluminum, stainless steel-look or RAL colors.
The mountings can be adapted as desired.

• Sound-proofing values

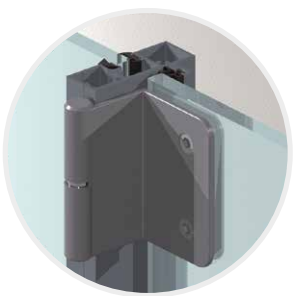|			
Wall	CLIP-IN SILENCE 1132™ SYSTEMS	RW = 32dB	Peutz rapport: 2283-5-RA
Wall	CLIP-IN SILENCE SYSTEMS 1136™	RW = 36dB	TNO rapport: MON-RPT-2008-01826
Wall	CLIP-IN SILENCE 1338™ SYSTEMS	RW = 38dB	TNO rapport: MON-RPT-2008-01824
Door	SILENCE DOOR SYSTEMS PC1032™	RW = 32dB	TNO rapport: MON-RPT-2010-01980
Door	SILENCE DOOR SYSTEMS PC1135™	RW = 35dB	TNO rapport: MON-RPT-2010-01981
Door	SILENCE DOOR SYSTEMS PC1337™	RW = 37dB	TNO rapport: MON-RPT-2010-01982

5
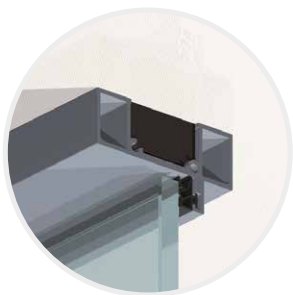
Detail PC1135™ 5
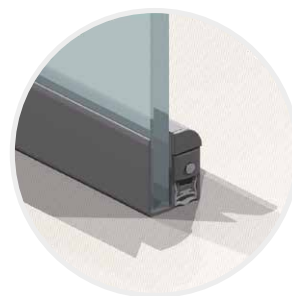**(the same as PC1032™, PC1337™)**
Frame section attachment top

1

Detail PC1135™ 1
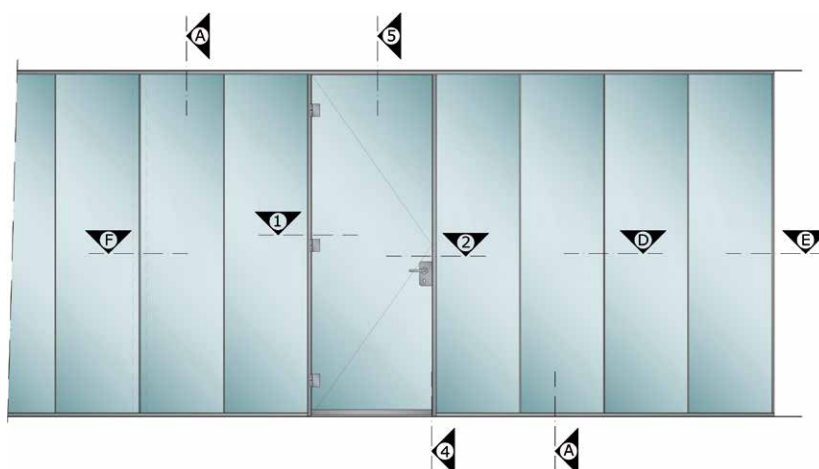**(the same as PC1032™, PC1337™)**
Frame section with hinge

2

Detail PC1135™ 2
(the same as PC1032™, PC1337™)
Frame section with handle lock

4

Detail PC1135™ 4
(the same as PC1032™, PC1337™) Bottom silencer under fully-glazed soundproof door

SILENCE DOOR SYSTEMS
PC1032™ / PC1135™ / PC1337™

CLIP-IN SILENCE DOOR SYSTEMS 1337-01™

This designer soundproof door has a RW-value of 37dB. The soundproof pivot door revolves on a floor spring (detail 1337-01-02™ 18). The standard mountings are made of stainless steel. At the top (detail 1337-01™ 6) and bottom (detail 1337-01™ 7), the door has an CLIP-IN groove into which a special noise-resistant seal profile is clipped. This seal profile is also used on the high side of the side-lights (detail 1337-01-02™ 5). The maximum dimensions of the CLIP-IN SILENCE SYSTEMS DOOR 1337-01™ are 1100 x 2700 mm.

CLIP-IN SILENCE DOOR SYSTEMS 1337-02™

This soundproof door, which also has a RW-value of 37dB, has a top panel that distinguishes it from the 1337-01 door. At the top (detail 1337-02™ 9), the door has an CLIP-IN groove into which a special noise-resistant seal profile is clipped. The top light is connected to the side-lights using stainless steel attachment fittings (detail 1337-02™ 16 and 17). The maximum dimensions of the CLIP-IN SI-LENCE DOOR SYSTEMS 1337-02™ are 1100 x 2500 mm in the case of a maximum wall height of 3000 mm.

• Sound-proofing values

Wall	CLIP-IN SILENCE SYSTEMS 1338™	RW = 38dB	TNO rapport: MON-RPT-2008-01824
Door	CLIP-IN SILENCE DOOR SYSTEMS 1337™	RW = 37dB	TNO rapport: MON-RPT-2008-01823
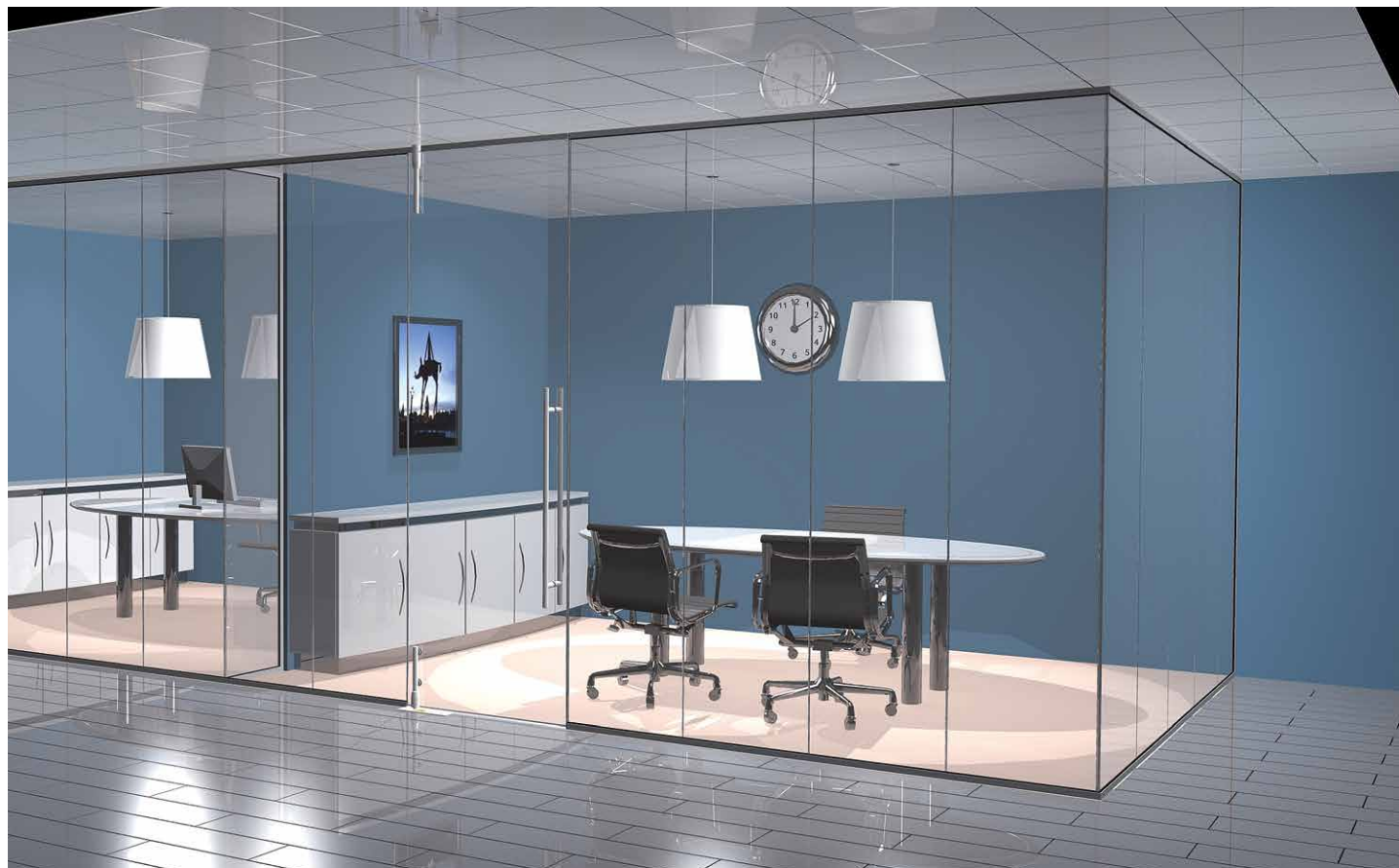
5
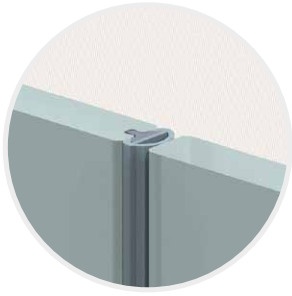
Detail 1337-01-02™ 5
Soundproof seal between the side-panel and the door

7

Detail 1337-01-02™ 7
Soundproof seal at the bottom of the door

18

Detail 1337-01-02™ 18
Floor spring door with soundproof seal

6

Detail 1337-01™ 6
Top of door with soundproof seal
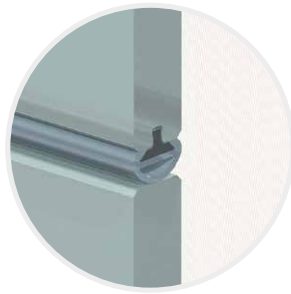
17

Detail 1337-02™ 17
Door attachment fitting with side-panel and top panel
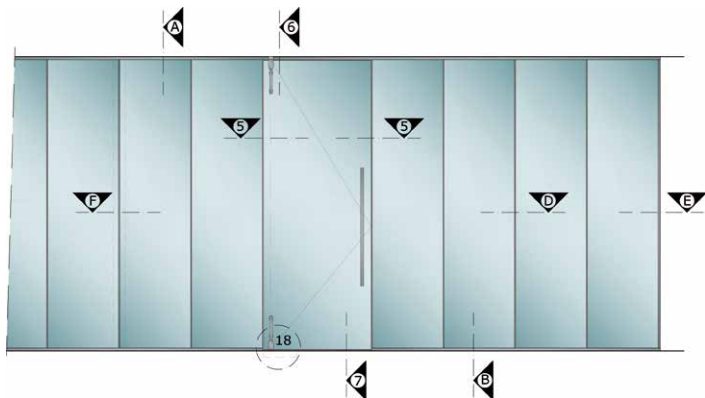
9

Detail 1337-02™ 9
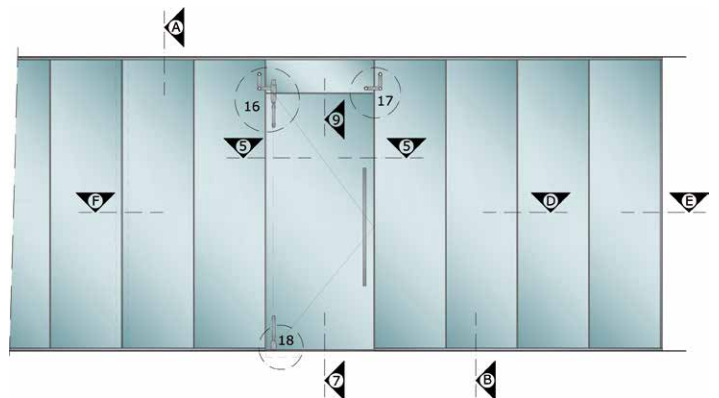Top of door with soundproof seal with top panel

16

Detail 1337-02™ 16
Pivot door with attachment fitting

CLIP-IN SILENCE DOOR SYSTEMS
1337-01™

CLIP-IN SILENCE DOOR SYSTEMS
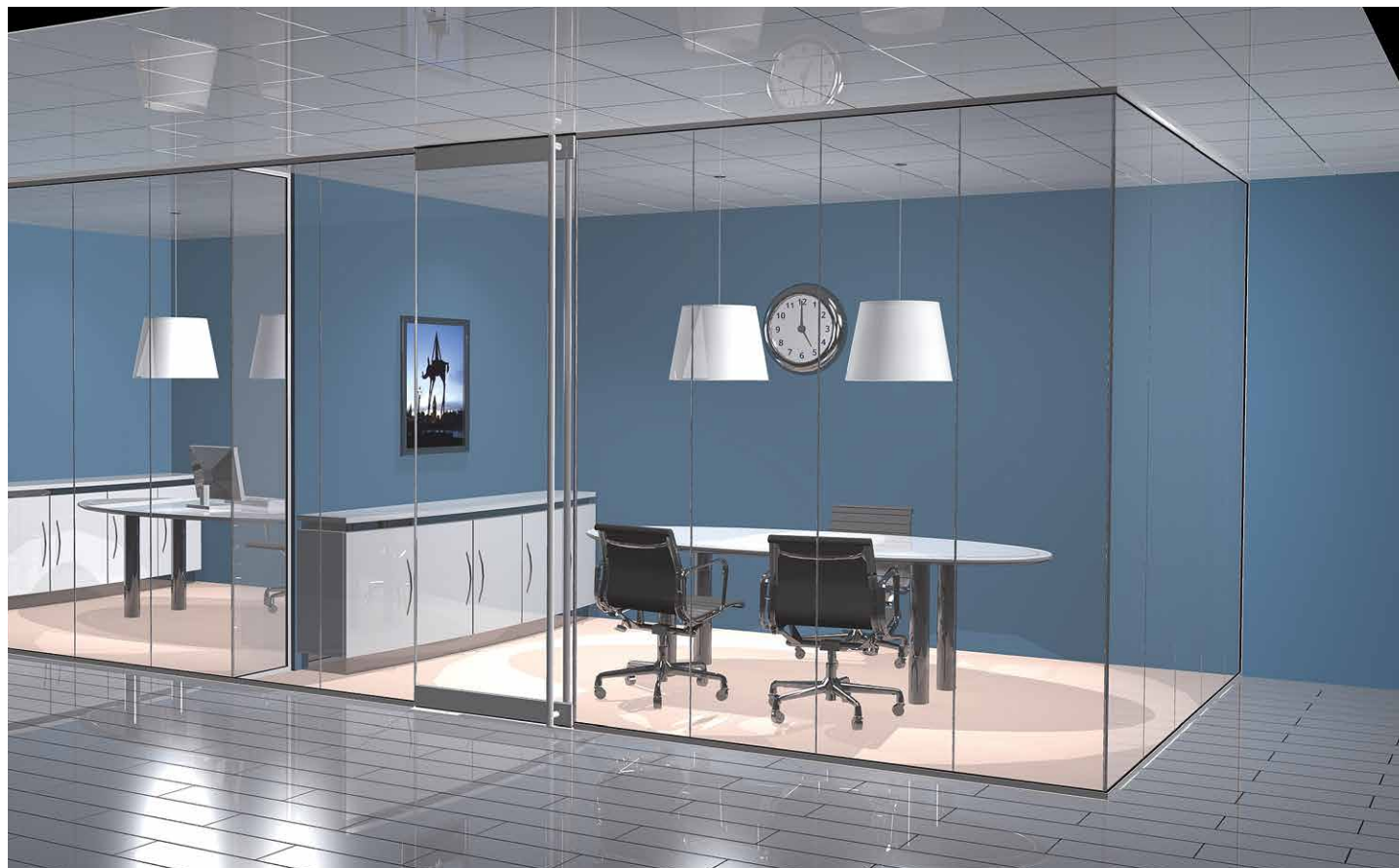1337-02™

SILENCE DOOR SYSTEMS 1338™

This soundproof pivot door, which has a RW-value of 38dB, revolves on a floor spring (detail 1338™ 19). The standard mountings are manufactured from anodized aluminum but can also be supplied in stainless steel-look or in a RAL color. At the top (detail 1338™ 10) and bottom (detail 1338™ 11), the door has a bar. A stainless steel door pull is fitted from bottom bar to top bar.

SILENCE DOOR SYSTEMS 1739™

This soundproof door has a RW-value of 39dB. The door model is identical to the SILENCE DOOR SYSTEMS 1338™ except that the thickness of the glass is different.

• Sound-proofing values

Wall	CLIP-IN SILENCE 1338™ SYSTEMS	RW = 38dB	TNO rapport: MON-RPT-2008-01824
Door	SILENCE DOOR SYSTEMS 1338™	RW = 38dB	TNO rapport: IS-RPT-060038
Wall	CLIP-IN SILENCE SYSTEMS 1739™	RW = 39dB	TNO rapport: MON-RPT-2008-01823
Door	SILENCE DOOR SYSTEMS 1739™	RW = 39dB	TNO rapport: IS-RPT-060040

Detail 1338™ 10
Bar at the top of the door containing the soundproof seal
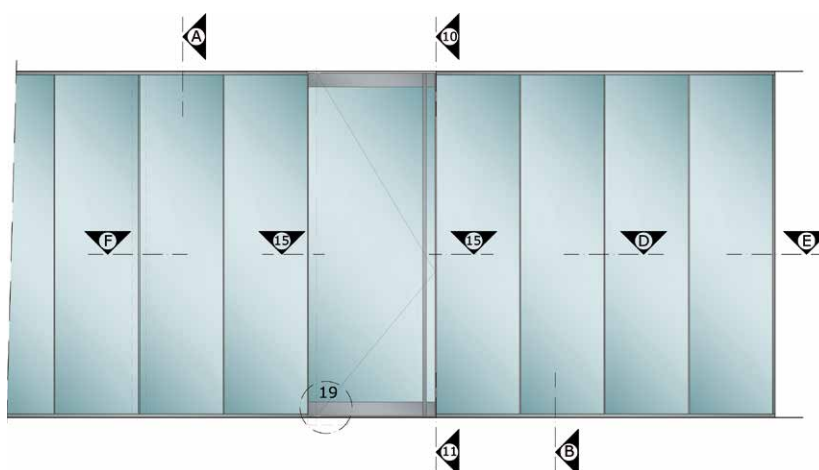
15

Detail 1338™ 15
Soundproof seal on door with side-panel

11

Detail 1338™ 11
Bar at the bottom of the door containing the soundproof seal

15

Detail 1338™ 15 Soundproof seal on door with side-panel

19

Detail 1338™ 19
Pivot point with bar and floor spring containing the soundproofing system

SILENCE DOOR SYSTEMS
1338™ / 1739™

SILENCE DOOR SYSTEMS PC4200™ / PC4700™

This soundproof door has a RW-value of 42dB or 47dB, which is unique for its type. This soundproof hinged door model is installed completely flush. The border frames of the glass and the glued metal frame are available in every desirable RAL colour. The door can be combined with double soundproof walls, ranging from RW = 42dB to RW = 60dB and can be designed with a handle lock or door pull.

• Sound-proofing values

Wall single	CLIP-IN SILENCE 2242™ SYSTEMS	RW = 42dB	Peutz rapport: A 3114-31-RA
Wall double	CLIP-IN SILENCE SYSTEMS 6600/42™	RW = 42dB	Peutz rapport: A 2283-13-RA
Wall double	CLIP-IN SILENCE SYSTEMS 6500/45™	RW = 45dB	Peutz rapport: A 2283-2-RA
Wall double	CLIP-IN SILENCE SYSTEMS 6600/48™	RW = 48dB	Peutz rapport: A 2283-14-RA
Wall single	CLIP-IN SILENCE SYSTEMS 6950™	RW = 50dB	Peutz rapport: A 3114-106-RA
Wall double	CLIP-IN SILENCE SYSTEMS 6600/56™	RW = 56dB	Peutz rapport: A 3114-160-RA
Wall double	CLIP-IN SILENCE SYSTEMS 6625/60™	RW = 60dB	Peutz rapport: A 3114-139-RA
Door	SILENCE DOOR SYSTEMS PC4200™	RW = 42dB	Peutz rapport: A 2394-2-RA
Door	SILENCE DOOR SYSTEMS PC4700™	RW = 47dB	Peutz rapport: A 2394-2-RA

Standard wall details for CLIP-IN SILENCE SYSTEMS 6600/42™, 6500/45™, 6600/48™ , 6600/56™ and 6625/60™
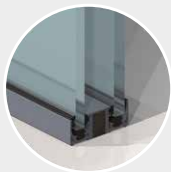
Detail 6600/42™ C
(same as 6500/45™, 6600/48™, 6600/56™ en 6625/60™) Structural connection at top, bottom and side connections

Detail 6600/42™ D
(same as 6500/45™, 6600/48™, 6600/56™ en 6625/60™) Glass connections with CLIP-IN™ X-profile

Detail 6600/42™ E
(same as 6500/45™, 6600/48™, 6600/56™ en 6625/60™) Corner glass connection with CLIP-IN™ H-profile
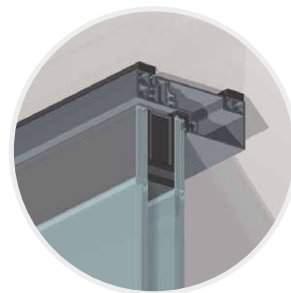

Detail 6600/42™ F
(same as 6500/45™, 6600/48™, 6600/56™ en 6625/60™) Glass connection T-fork with CLIP-IN™ H-profile and CLIP-IN™ X-profile

3

Detail 3
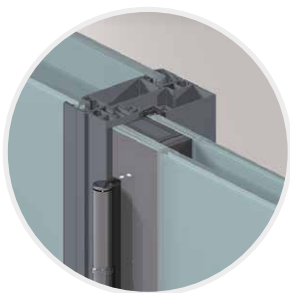Detail of top frame section with glass door and noise insulation seal

2a

2b

Detail 2
Handle lock or door pusher with frame section and noise insulation seal
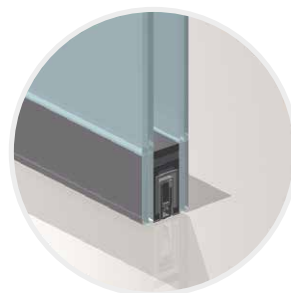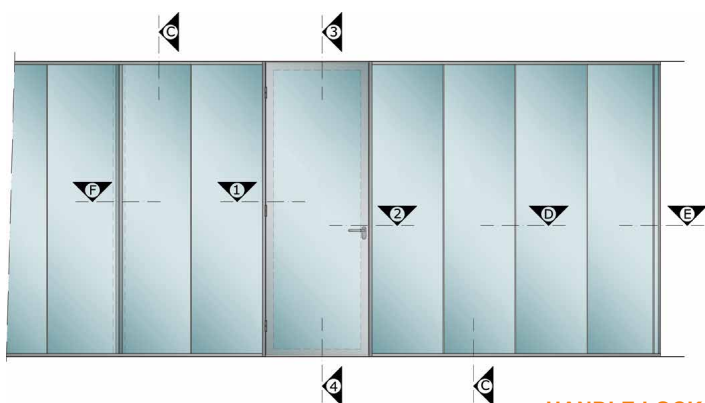
1

Detail 1
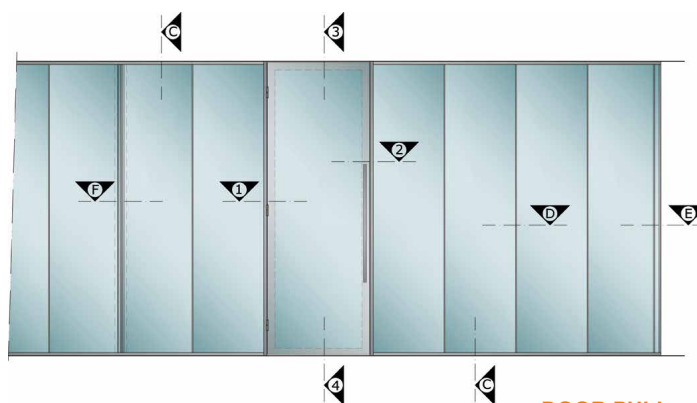Frame section with hinge and noise insula-tion seal

4

Detail 4
Bottom of door with bottom silencer

SILENCE DOOR SYSTEMS
PC4200™ / PC4700™

HANDLE LOCK

SILENCE DOOR SYSTEMS
PC4200™ / PC4700™

**DOOR PULL**

SILENCE SLIDING DOOR SYSTEMS 1736™

This soundproof sliding door has a RW-value of 36dB, which is unique for a fully-glazed sliding door. This soundproof sliding door rolls on stainless steel wheels over a floor profile; the door also has a guide-rail at the top. The system has a standard stainless steel T-handle. The door can be combined with a soundproof wall: CLIP-IN SILENCE SYSTEMS 1739™, RW = 39dB.

• Sound-proofing values

Wall	CLIP-IN SILENCE SYSTEMS 1739™	RW = 39dB	TNO rapport: MON-RPT-2008-01823
Door	SILENCE SLIDING DOOR SYSTEMS 1736™	RW = 36dB	Peutz rapport: A 2054-1-RA 16 july 2010

22
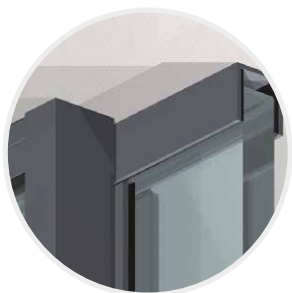
Detail 1736™ 22
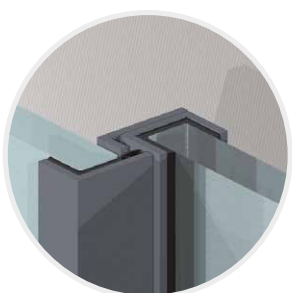Top guide-rail for sliding door and side-pa-nel seal

20

Detail 1736™ 20
Side connection with seal for sliding door and side-panel

21

Detail 1736™ 21
Side connection with seal for sliding door and side-panel

23

Detail 1736™ 23
Bottom seal for stainless steel wheels of sli-ding door and seal for side-panel
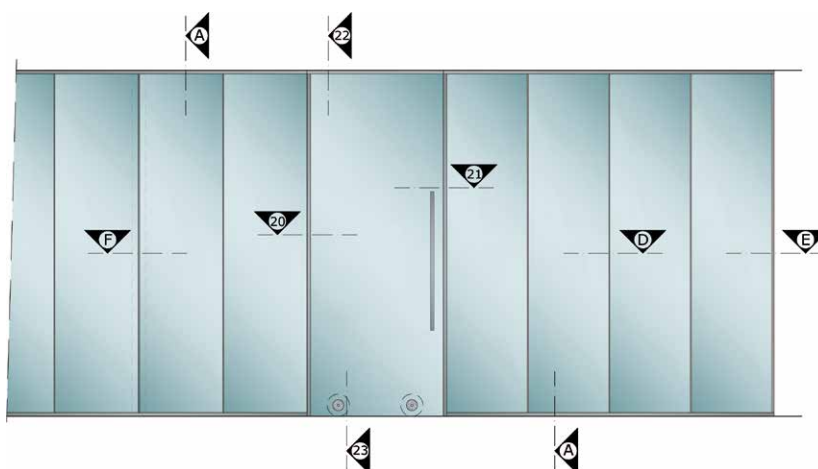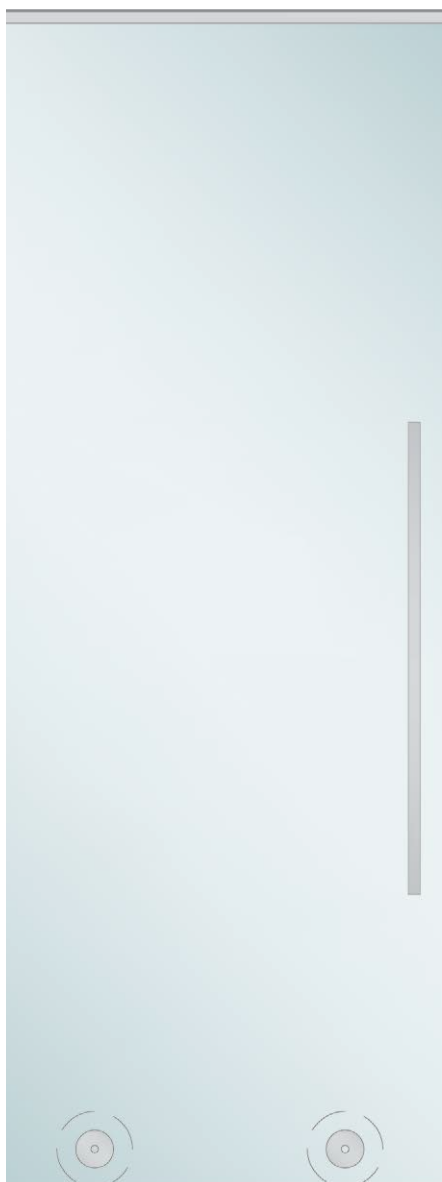
SILENCE SLIDING DOOR SYSTEMS
1736™

PROJECT	Rabobank - Zundert
PRODUCT	SYSTEMS CLIP-IN SILENCE
ARCHITECT	De Bont CS - Breda

PROJECT	SKF Nieuwegein
PRODUCT	SYSTEMS CLIP-IN
ARCHITECT	Beijer Advies Arnhem

PROJECT	Interface Warehouse - Scherpenzeel
PRODUCT	wall - SYSTEMS CLIP-IN 1739™, door - SYSTEMS SILENCE DOOR 1739™

PROJECT	NIOO - Wageningen
PRODUCT	wall - SYSTEMS SILENCE 1338™, door - SYSTEM CLIP-IN SILENCE DOOR 1337™
ARCHITECT	Claus & Kaan

PROJECT	NIG - Bussum
PRODUCT	wall - SYSTEMS CLIP-IN SILENCE 1739™, door - SYSTEMS SILENCE DOOR 1739™
ARCHITECT	Van Dijl Architecten - Hilversum

PROJECT	MCE Tennet - Arnhem
PRODUCT	wall - SYSTEMS CLIP-IN SILENCE 1338™ + CURVED, door - SYSTEMS SILENCE DOOR PC1337™
ARCHITECT	Studio Groen+Schild - Deventer
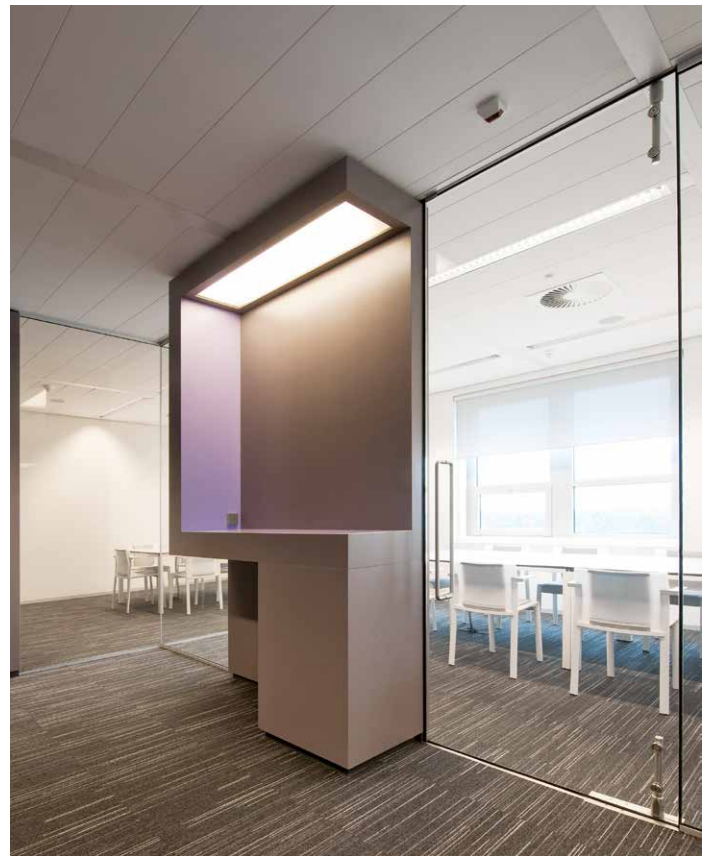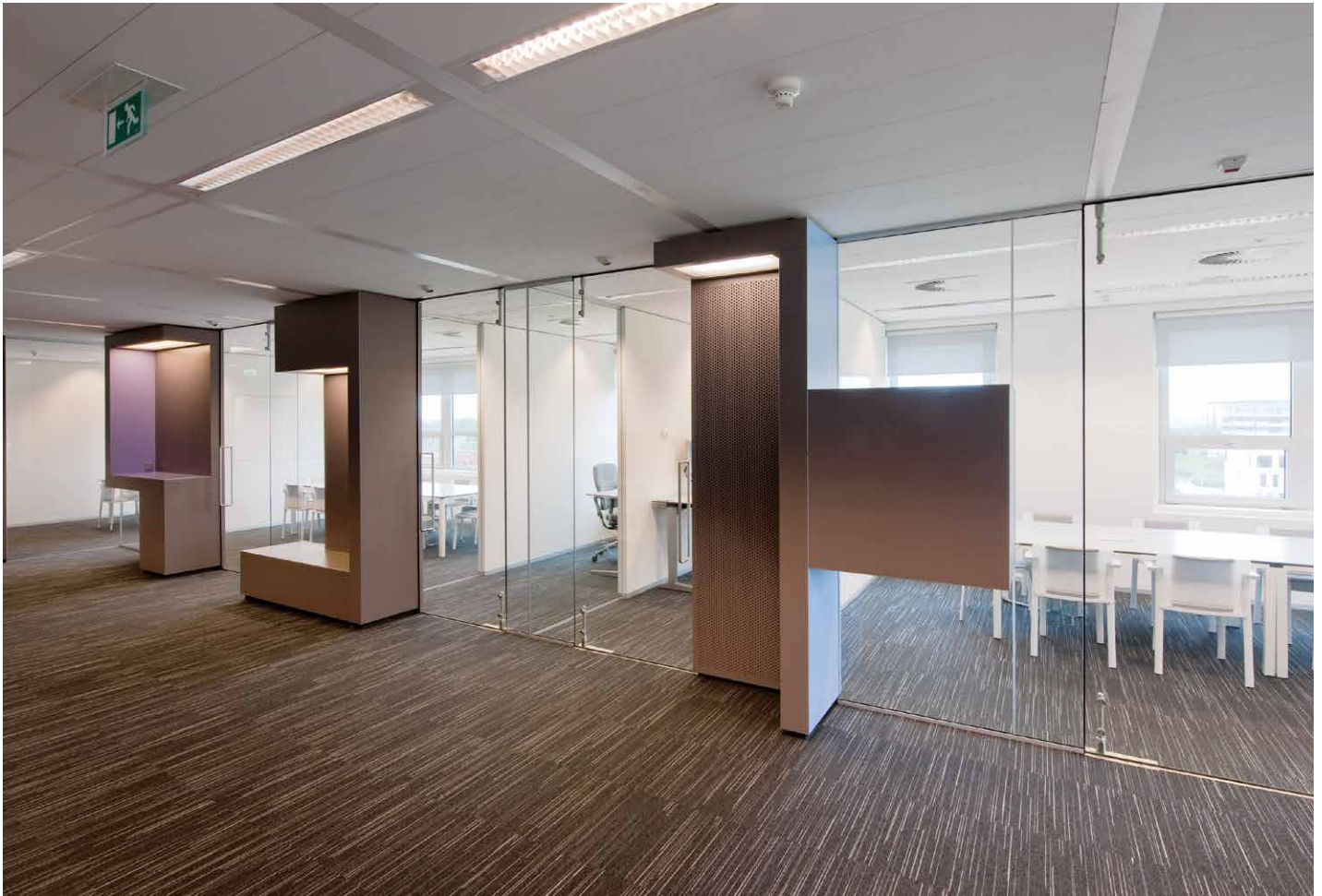
PROJECT	CIRQADA - Utrecht
PRODUCT	wall - SYSTEMS CLIP-IN SILENCE 1338™, door - SYSTEMS CLIP-IN SILENCE DOOR 1337™
ARCHITECT	Jeanne Dekkers Architectuur - Delft
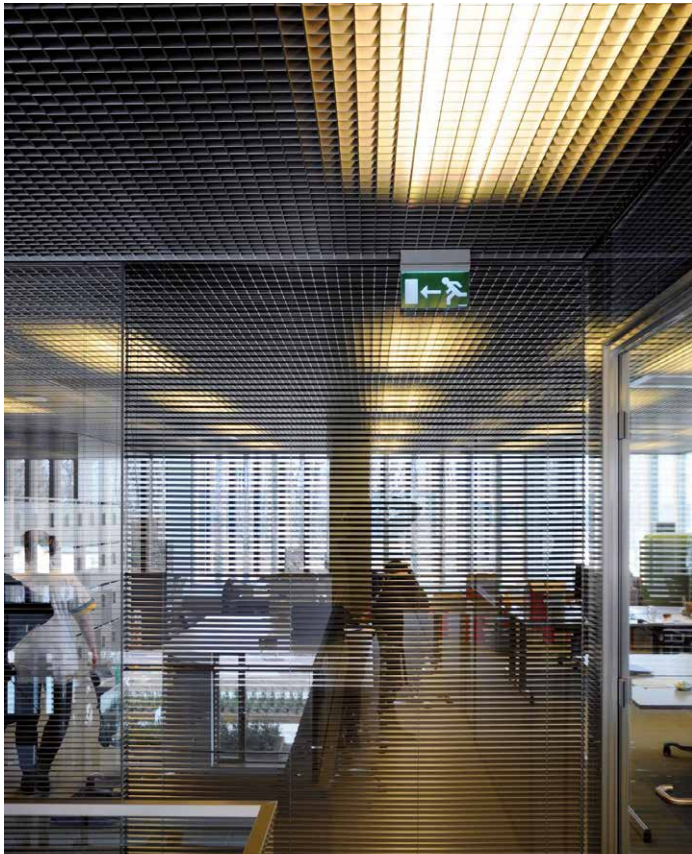
PROJECT	Ontvangstgebouw Sint Maartenskliniek - Nijmegen
PRODUCT	wall - SYSTEMS CLIP-IN SILENCE 1136™, door - SYSTEMS SILENCE DOOR PC1135™
ARCHITECT	Wiegerinck - Arnhem

PROJECT	Mahler 4 New Amsterdam - Amsterdam
PRODUCT	wall - SYSTEMS SILENCE 1739™ + sɢɢ SERALIT® + sɢɢ DECORGLASS®, door - SYSTEMS SILENCE DOOR 1739™ + sɢɢ SERALIT® + sɢɢ DECORGLASS®
ARCHITECT	de Architekten Cie - Amsterdam

PROJECT Rabobank Breda
PRODUCT wall - SYSTEMS CLIP-IN SILENCE 1338™, door - SYSTEMS SILENCE DOOR PC1337™
ARCHITECT De Bont CS

PROJECT Singelveste - Breda
PRODUCT wall - SYSTEMS CLIP-IN SILENCE 1136™, door - SYSTEMS CLIP-IN SILENCE DOOR PC1135™
ARCHITECT Op ten Noort Blijdestein Architecten en Adviseurs - Utrecht

Our world is our shared responsibility and everyone must contribute to the environmental conservation. Both individuals and businesses. Saint-Gobain therefore continually develops energy efficient products, which not only combine comfort and energy savings, but are also pro-duced with respect for the environment.

In three steps we give something back to the environment: in determining our **ecological footprint**, improve it and to devise **eco innovations** for all our (new) products and services throughout their lifecycle.

Saint-Gobain Glass are the first glass manufacturers to have subjected its products to a full **Life Cycle Assessment (LCA)** and there is a very strict environmental strategy control. During the entire lifetime, including the use, these LCA's determine the environmental impact of the glazing produced by Saint-Gobain.

Our LCA's are conducted in accordance with international standards ISO14040 and ISO14044 and examine two important aspects:

·   **All phases of the life cycle: from extraction through production, use until the end of durability;**
·   All environmental effects generated by the product: CO_2 emissions, energy use, water use, air pollution etc.

The LCA is verified by an Environmental Product Declaration (EPD), ensuring the quality and

reliability of all calculations.

Visit epd.saint-gobain-glass.com for more information on EPDs.

Greenlite Glass Systems specializes in glass systems for interior and exterior use. In addition to supplying no caulking required and noise-resistant CLIP-IN™ SYSTEMS partitioning glass walls, Greenlite Glass Systems is always willing to contribute its know-how with specific knowledge for fire resistance, noise resistance and security.

STRUCTURE™ SYSTEMS
fully-glazed fireproof walls
and doors

SILENCE™ SYSTEMS
sound-proof walls
and doors

PROTECT™ SYSTEMS
burglar-resistant and bullet-proof walls
and doors

CLIP-IN™ SYSTEMS
no caulking required glass
walls SPECIALS™
SYSTEMS

SPIDER GLASS™
glass system for maximum
transparency

SPECIALS™ SYSTEMS

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SAINT-GOBAIN