

plus ultra
프루스울트라



스틸 (STEEL) 시스템 창호



프루스 울트라는 시스템창호 전문가 그룹이 만든 회사입니다.

‘우리나라에도 다양한 스타일의 훌륭한 건축물을 만들어 낼 수 있었으면 좋겠다’
는 마음으로 프루스 울트라 라는 회사를 만들었습니다.

회사명 Plus ultra 프루스울트라는 라틴어로 플러스 plus ‘더욱’ 이라는 뜻과
울트라 ultra ‘더 멀리, 저 너머’ 라는 의미입니다.

여기를 넘어서, 여기서 머물지 말고 더 넘어가서,
보다 멀리라는 뜻입니다.

프루스 울트라는

우리나라를 대표하는 전통한옥창을 포함하여 많은 발전을 거듭한 유럽형
창호들에 대해 오랜 시간 연구를 하였습니다.

더 나아가 더욱 진보된 아름다운 창호를 발견해 내어 건축가 분들에게 소개하며
더 멋진 작품을 할 수 있도록 하는 것이 우리의 소임이라고 생각합니다.

쉬운길 보다는 어렵지만 의미있는 길,

이것이 프루스 울트라가 꿈꾸는 여정입니다.

함께 동행해 주시면 더없이 기쁘겠습니다.

Plus Ultra is a company founded by system window experts with the vision of creating outstanding buildings in various styles in Korea. The name, from Latin, means “more, further, beyond,” reflecting their desire to cross boundaries and reach further. Plus Ultra has devoted years to researching both Korea’s traditional hanok windows and renowned global window styles. They are committed to discovering more advanced and beautiful windows, introducing them to architects, and helping create even greater works. Their mission is to continuously find and share windows that blend tradition and innovation, so Korean architecture can shine even brighter. Plus Ultra chooses the meaningful path, even if it is not the easiest, and invites others to join them on this journey.

Plus ultra [프루스 울트라]의 PDA(Profile Design Aspirer) 시리즈는
영국의 스틸(STEEL)시스템 창호 브랜드입니다.

이미 많은 유럽,아시아에 판매되고 있는 검증된 세계 3대 스틸 시스템 창호
회사 중 하나입니다.

창호 디자인과 품질의 우수성, 더하여 합리적인 가격까지

건축에서 문과 창문의 동일한 스타일과 기능은 수십년 동안 지속되어
왔습니다. 디자이너들은 문과 창문의 혁신을 위해 끊임없이 노력하지만,
각 제조사는 소재, 성능, 외관 등 여러 요소의 결합에서 뭔가 부족함을 느끼게
됩니다. 이것이 SLIM65의 개발 배경입니다.

SLIM 스틸 도어 및 창호 시스템,
매우 얇은 냉간 성형 강철 프로파일,
프로파일의 "면"을
아름다운 "선"으로 만듭니다.

드라마에서만 볼 수 있었던 그 아름다운 창호,
이제 우리집 창문이 될 수 있습니다.



SLIM Steel windows and doors system

The PDA (Profile Design Aspirer) series from Plus Ultra is a steel system window brand from the UK, recognized as one of the world's top three steel window companies for its quality and performance, and sold across Europe and Asia. It offers outstanding window design and quality at competitive prices. In architecture, doors and windows have long maintained the same style and function, but innovation has been limited by material, performance, and appearance—until the arrival of the SLIM Steel Door and Window System. With extremely thin steel profiles, SLIM transforms the profile's "face" into a beautiful "line," The beautiful traditional windows you've only seen in dramas can now become the windows of your own home.

Designed by an Italian designer.

Dr. Eng. Giorgio De Cani



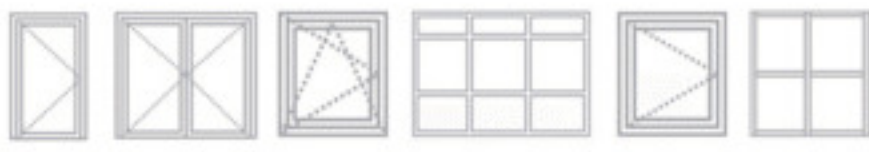
창호 디자인 전문가로서 20년 이상의 알루미늄 및 커튼월 시스템 설계를 하고 있습니다.

알루미늄, 목재, 목재-알루미늄, 복합재, 플라스틱 소재의 미니멀 도어 및 창호, 슬라이딩 시스템 설계로 잘 알려져 있습니다.

미니멀 슬라이딩 시스템을 위한 혁신적인 자기부상 슬라이딩 하드웨어의 발명가이기도 합니다.

파사드 시스템을 위한 상세 단면 설계부터 엔지니어링, 최첨단 미니멀 알루미늄 가구 설계에도 뛰어난 역량을 갖추고 있는 PDA 디자이너 입니다.

Building envelope specialist with over 20 years of expertise in aluminum and glass curtain wall systems. Highly specialized in design of sliding systems and minimalist doors and windows, including minimal sliding doors in aluminum, wood, wood-aluminum, composite, and plastic materials. He is the inventor behind the revolutionary roll-up and magnetic levitation hardware for minimal sliding systems. Proficient in generating detailed executive sections, crafting technical reports, and outlining performance specifications for facade systems. Additionally, adept at designing cutting-edge minimal aluminum furniture.



유럽에서 16세기 후반 처음 만들어진 단조 철과 강철 창문은 대장장이의 작업장에서 손으로 제작되었습니다. 이 창문들은 생산량이 적고 가격이 비싸기 때문에, 18세기 내내 교회, 시청, 해외 무역항, 관저 등 고위 인사의 상징이 되는 건물에서만 사용될 수 있었습니다.

19세기 후반과 20세기 초, 유럽 도시에서 대규모 화재가 더 자주 발생하자, 강철은 내화성이 뛰어나 목재 문과 창문을 대체하기 위해 정부에서 강철 문과 창문의 광범위한 사용을 촉구하였고, 이에 따라 강철 창문이 유럽과 세계에서 점차 대중화되었습니다.

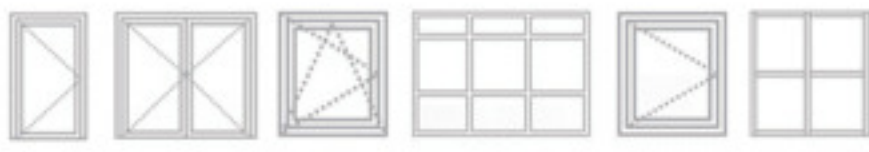
국내 시장에서 스틸 시스템 창호는 아직 익숙하지 않지만, 방화 성능과 슬림한 디자인에 탁월한 장점이 있습니다.



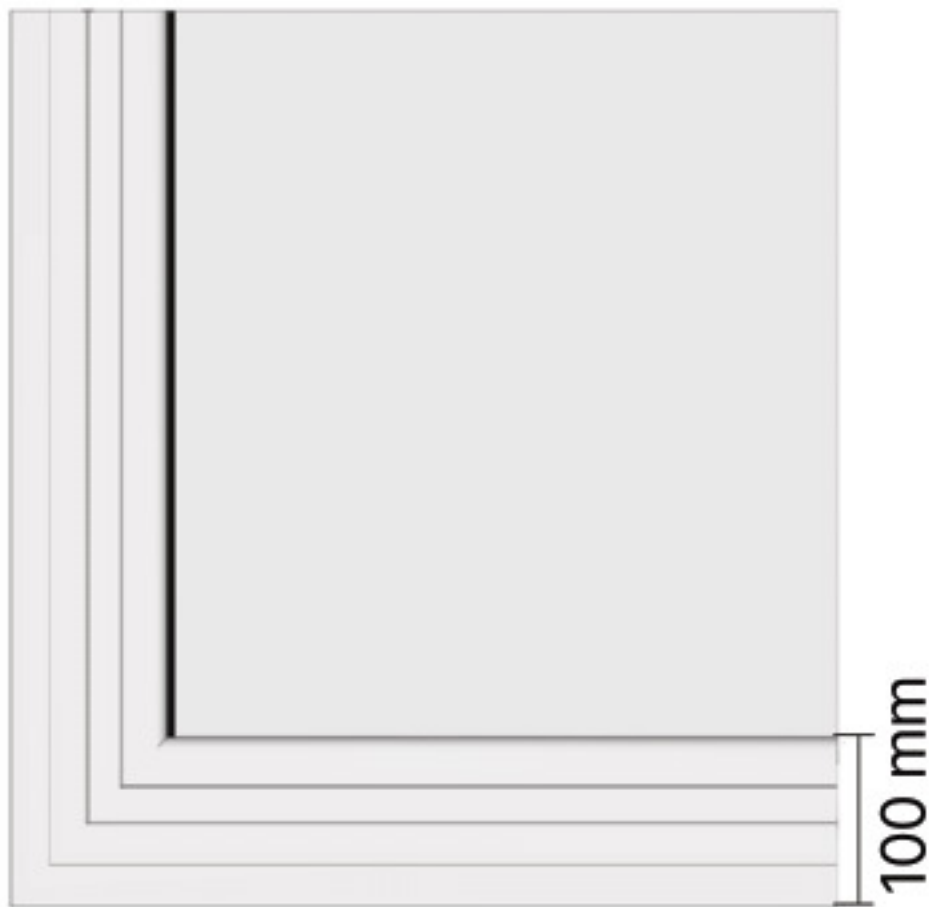
Wrought iron and steel windows, first created in Europe in the late 16th century, are made by hand in blacksmith's workshops. They are rare in production and expensive in price. Therefore, wrought iron and steel windows could only be used in churches, city halls, foreign trade ports, official residences and other buildings that had been symbols of dignitaries throughout the 18th century.

In the late 19th and early 20th century, the cities of Europe more mass destruction of the fire broke out, steel fire was different, it's very refractory, so the government called for extensive use of steel doors and windows to replace the wooden doors and windows, so the steel window began to popular in Europe and the earth.

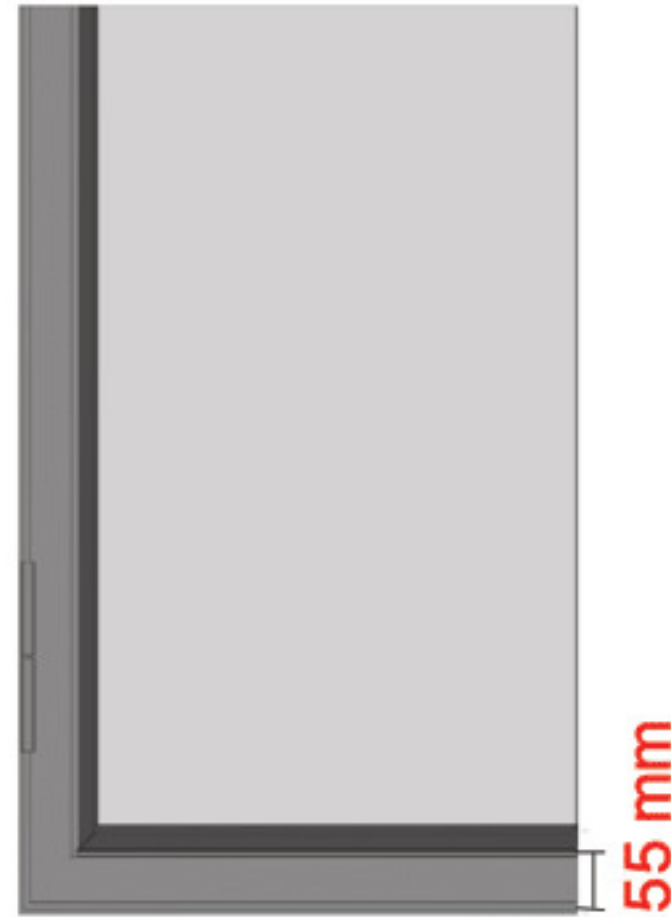
Steel system windows are still relatively new to the Korean market, but demand for fire resistance and slim, modern design is steadily increasing. While aluminum and PVC windows have limitations in fire safety and achieving ultra-slim profiles, Plus ultra now introduces the UK's PDA steel system windows to meet these advanced requirements.



SLIM steel window VS Aluminum alloy window



Aluminum alloy window



PDA-SLIM steel window

Aluminum alloy window :

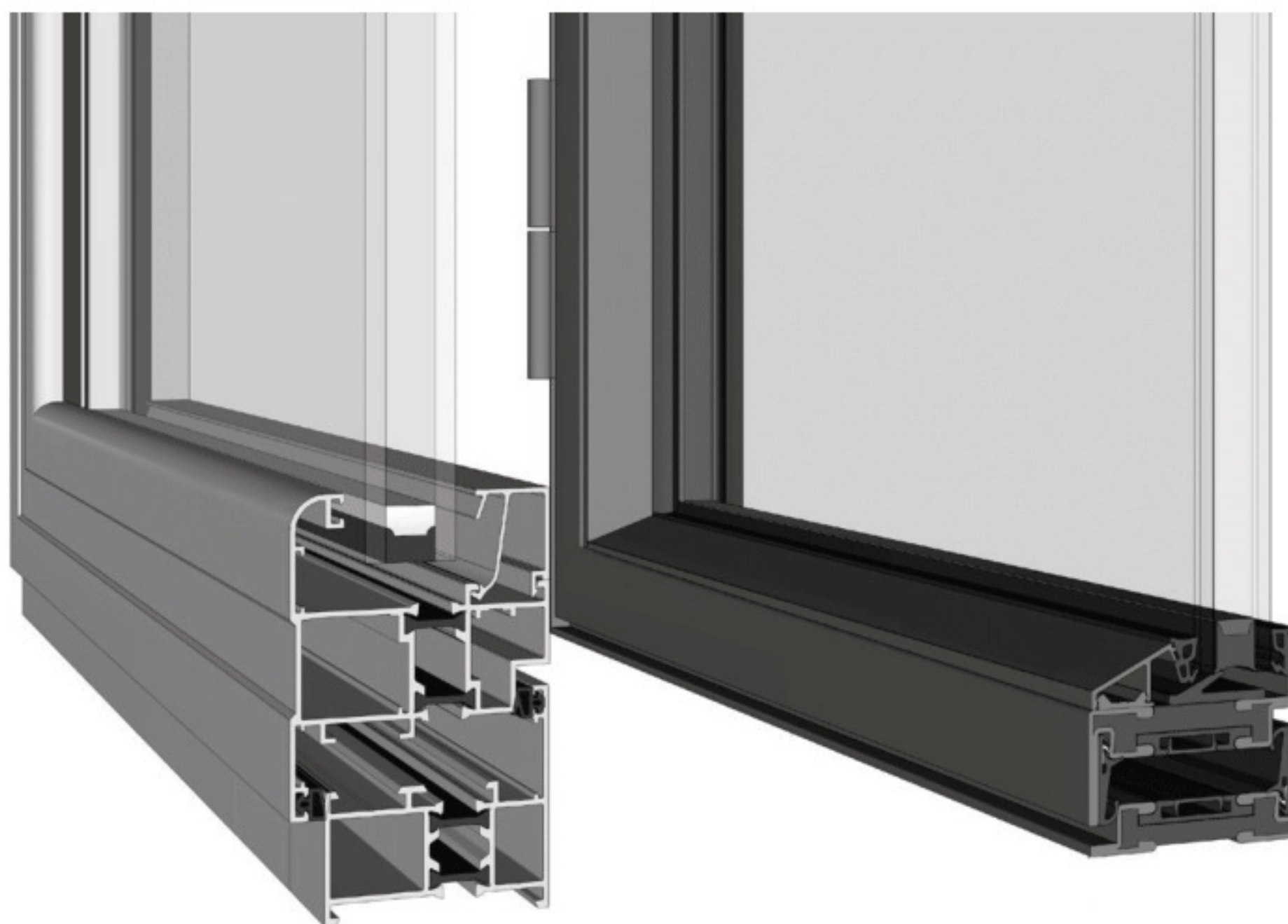
edge joint, surface 100mm

SLIM steel window :

seamless welding, surface **55mm**

밀폐성이나 미적 측면 모두에서
SLIM 스틸 창호 시스템이 더 우수합니다.

Whether it is sealing or aesthetic, the SLIM steel window system is more advantageous



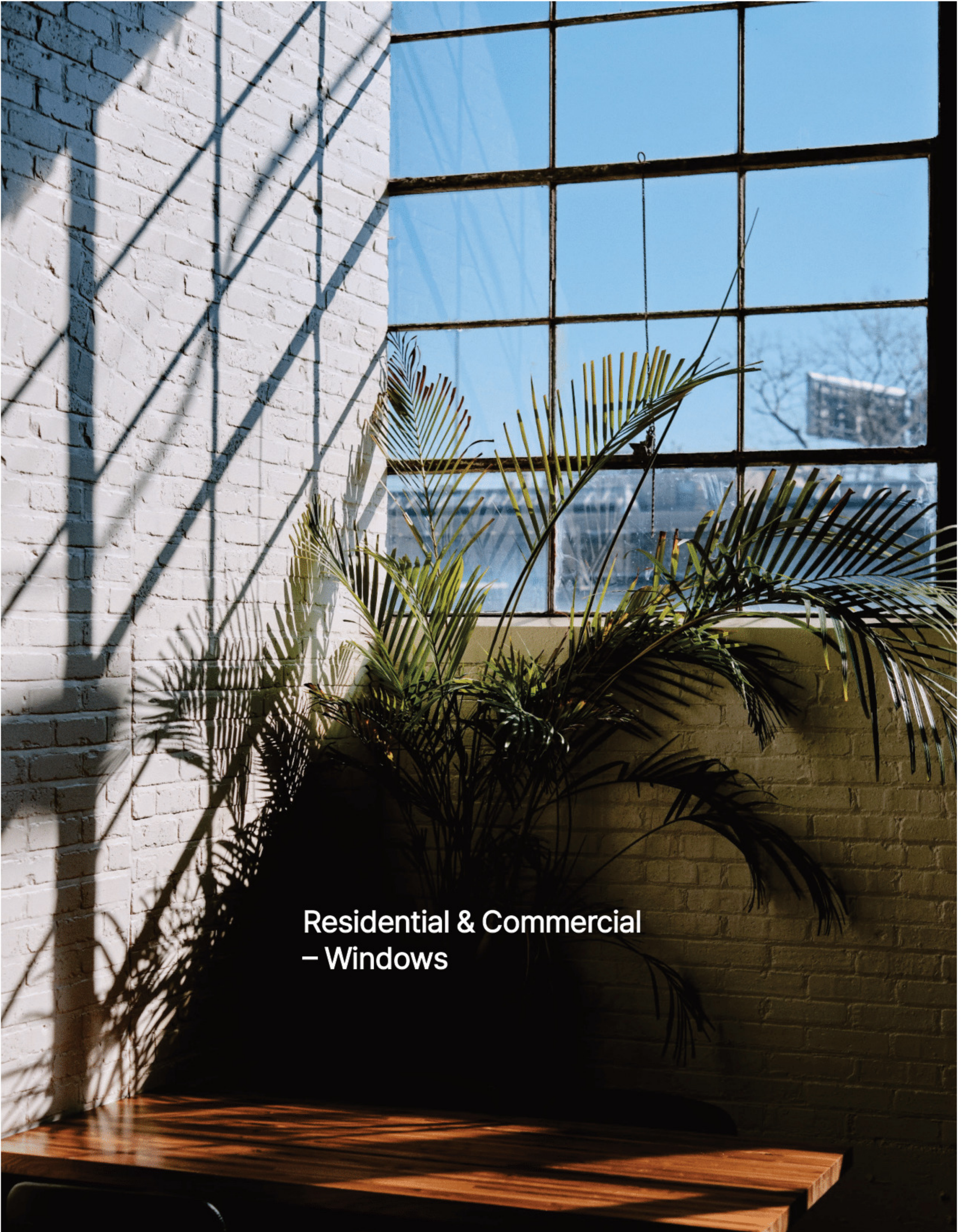
Aluminum alloy window

PDA-SLIM steel window

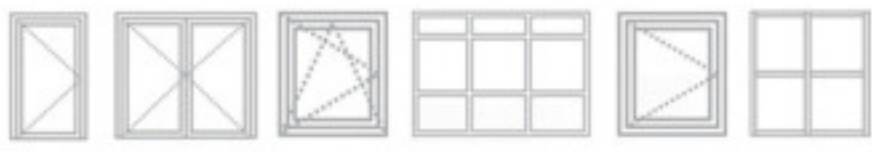
Material	Surface	Thickness	thermally broken structure
Aluminum alloy window	100mm	65mm	24mm
SLIM steel window	55mm	65mm	55mm

알루미늄 합금 창문과 비교했을 때, 스틸 창문은 더 슬림해 보이고, 단열 구간이 더 넓으며, 에너지 절약 효과도 더 뛰어납니다.

Compared with the aluminum alloy window, the steel window can be seen more slender, the thermally broken structure is wider, and the energy saving effect is better

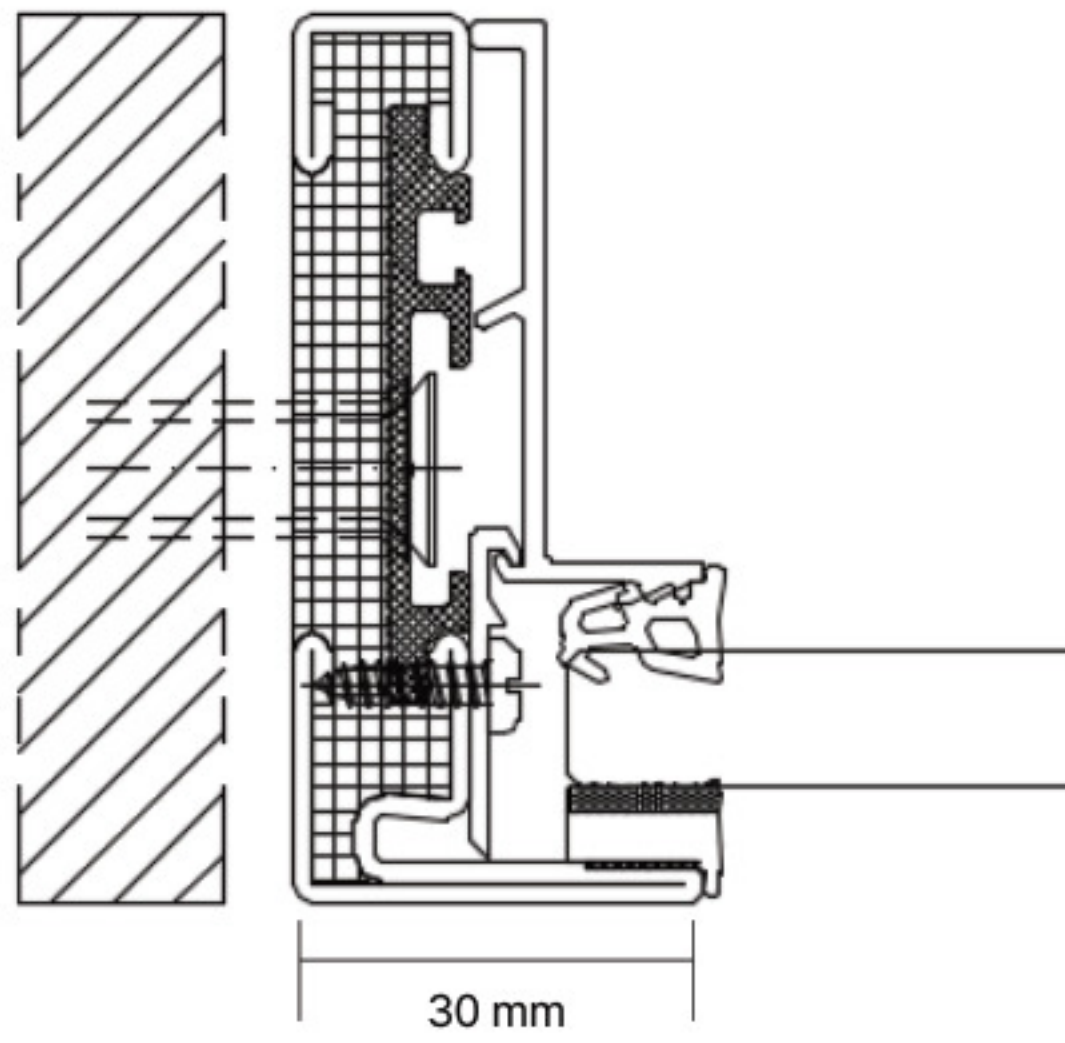


Residential & Commercial
– Windows

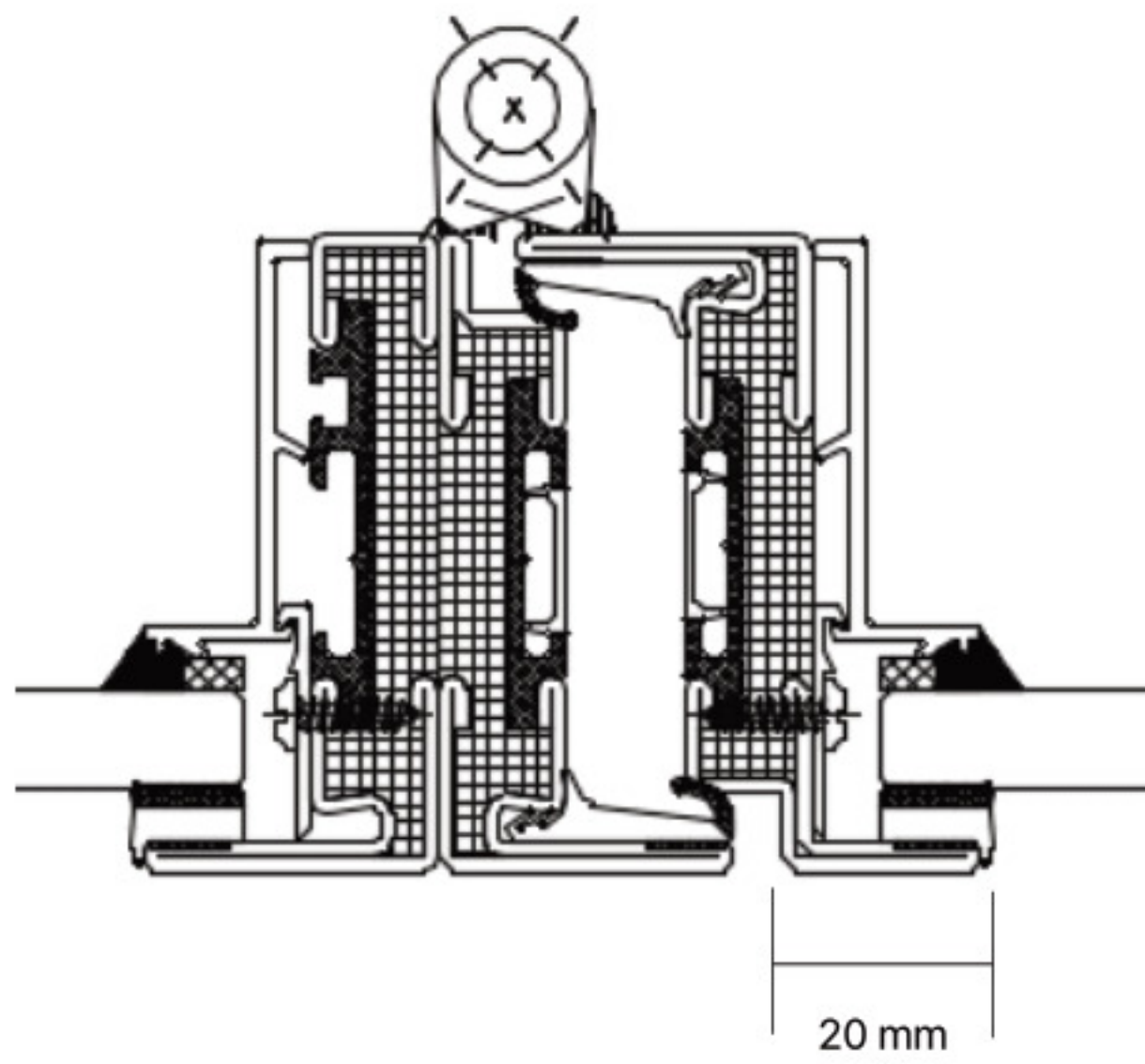


Residential & Commercial-Partitions & Doors

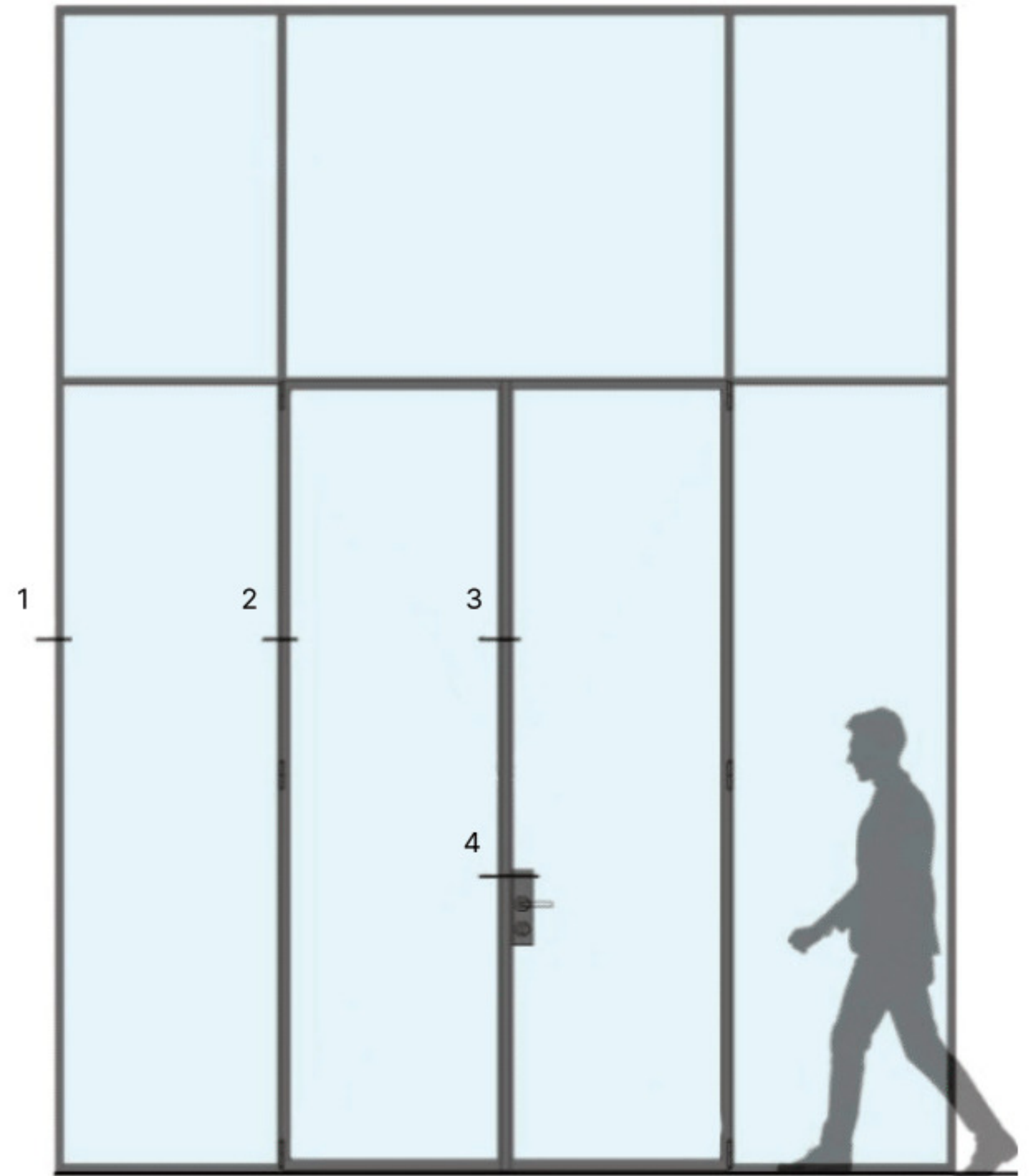
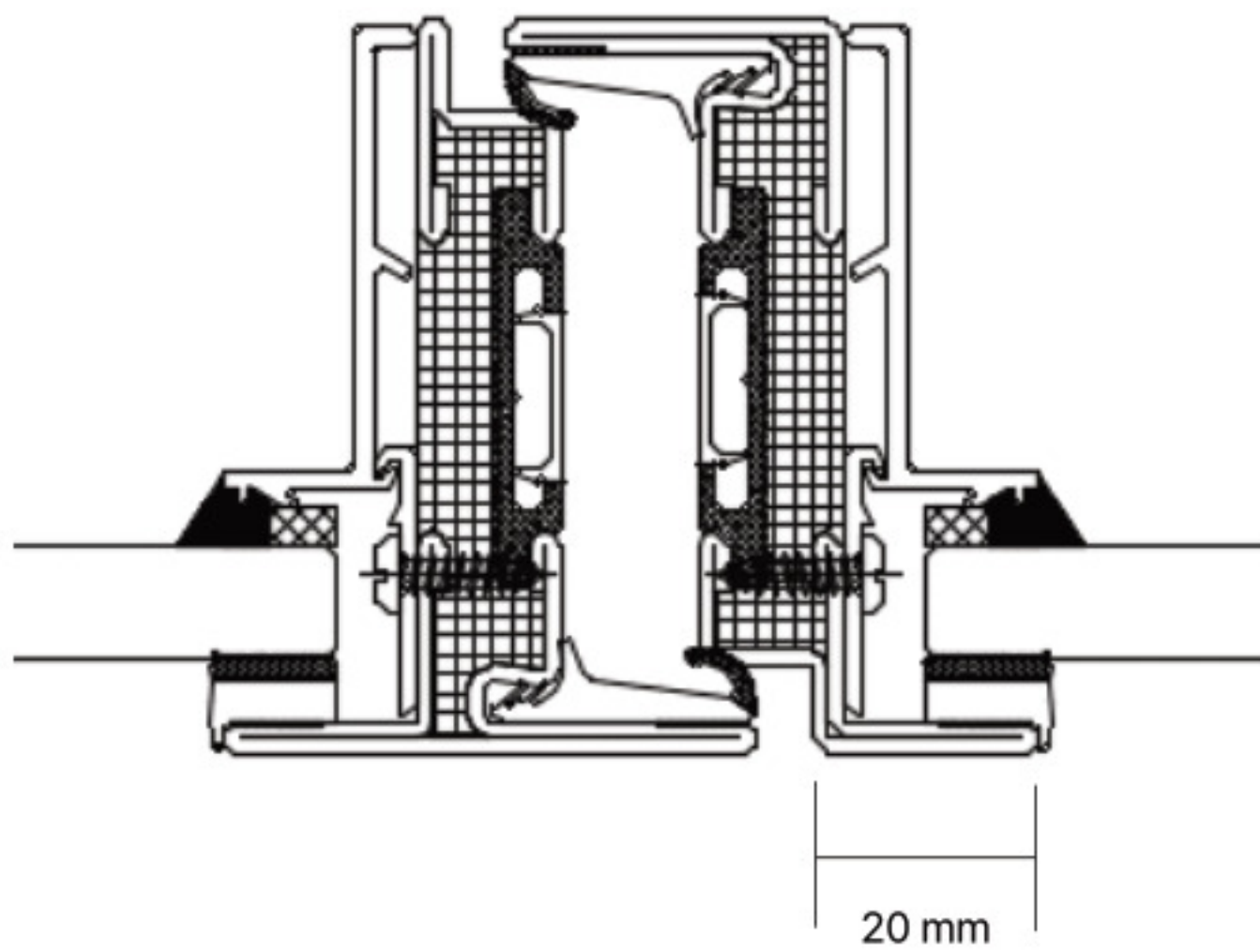
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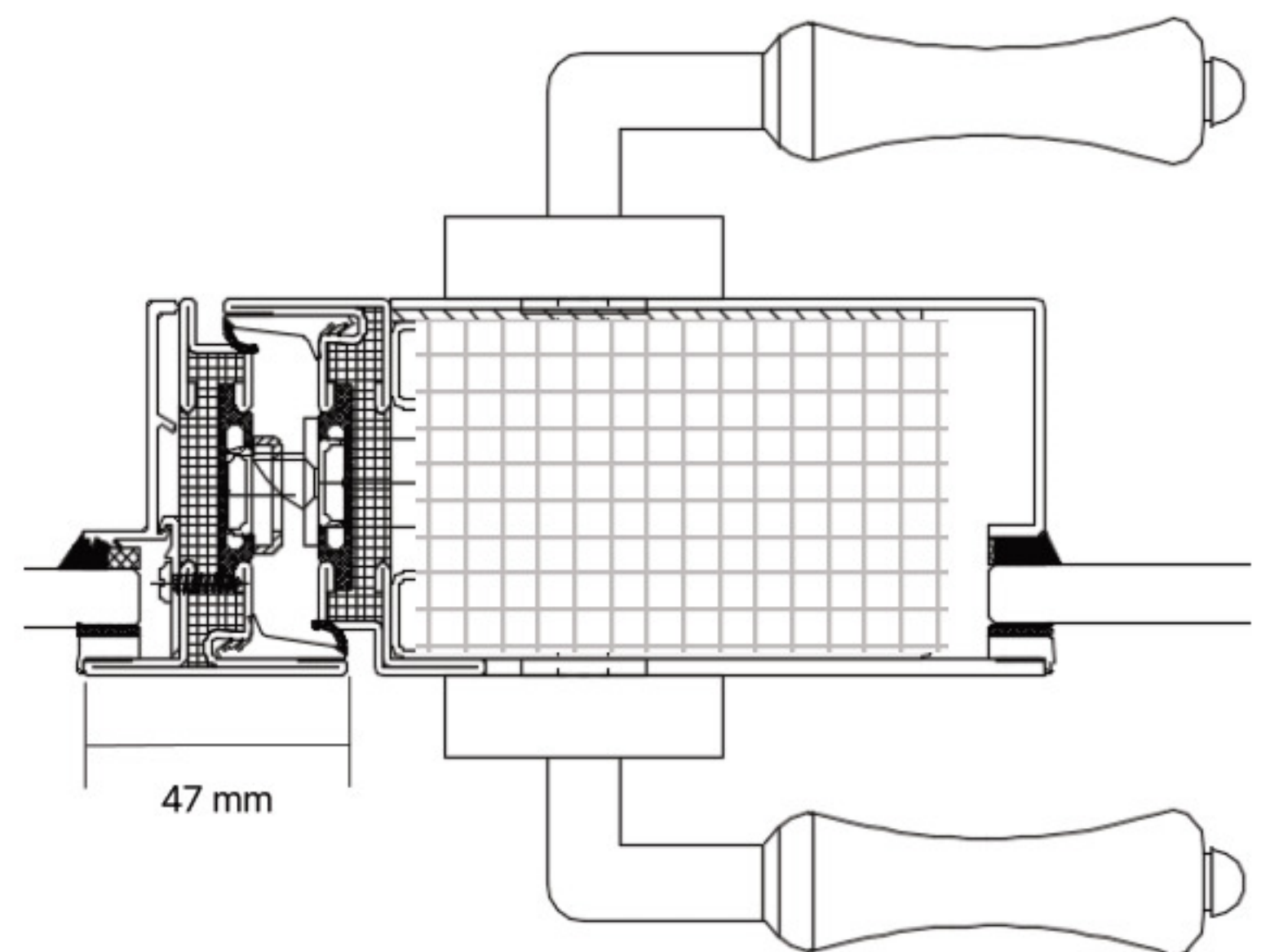
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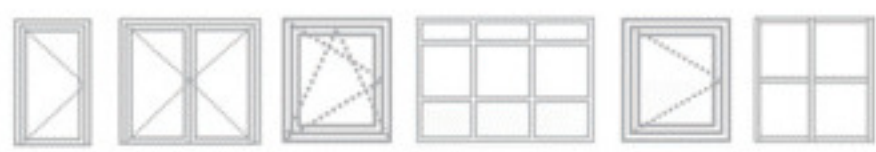


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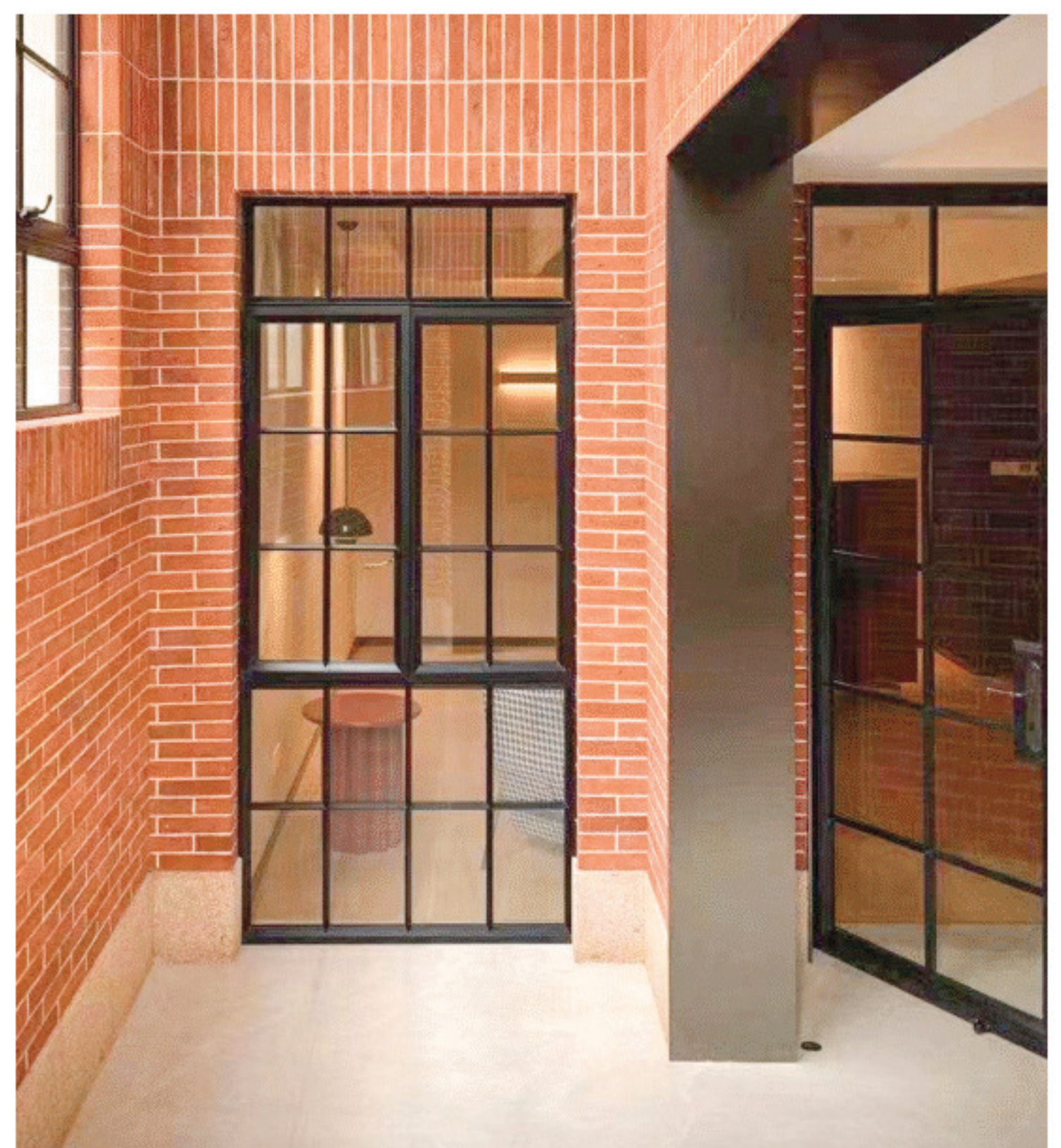
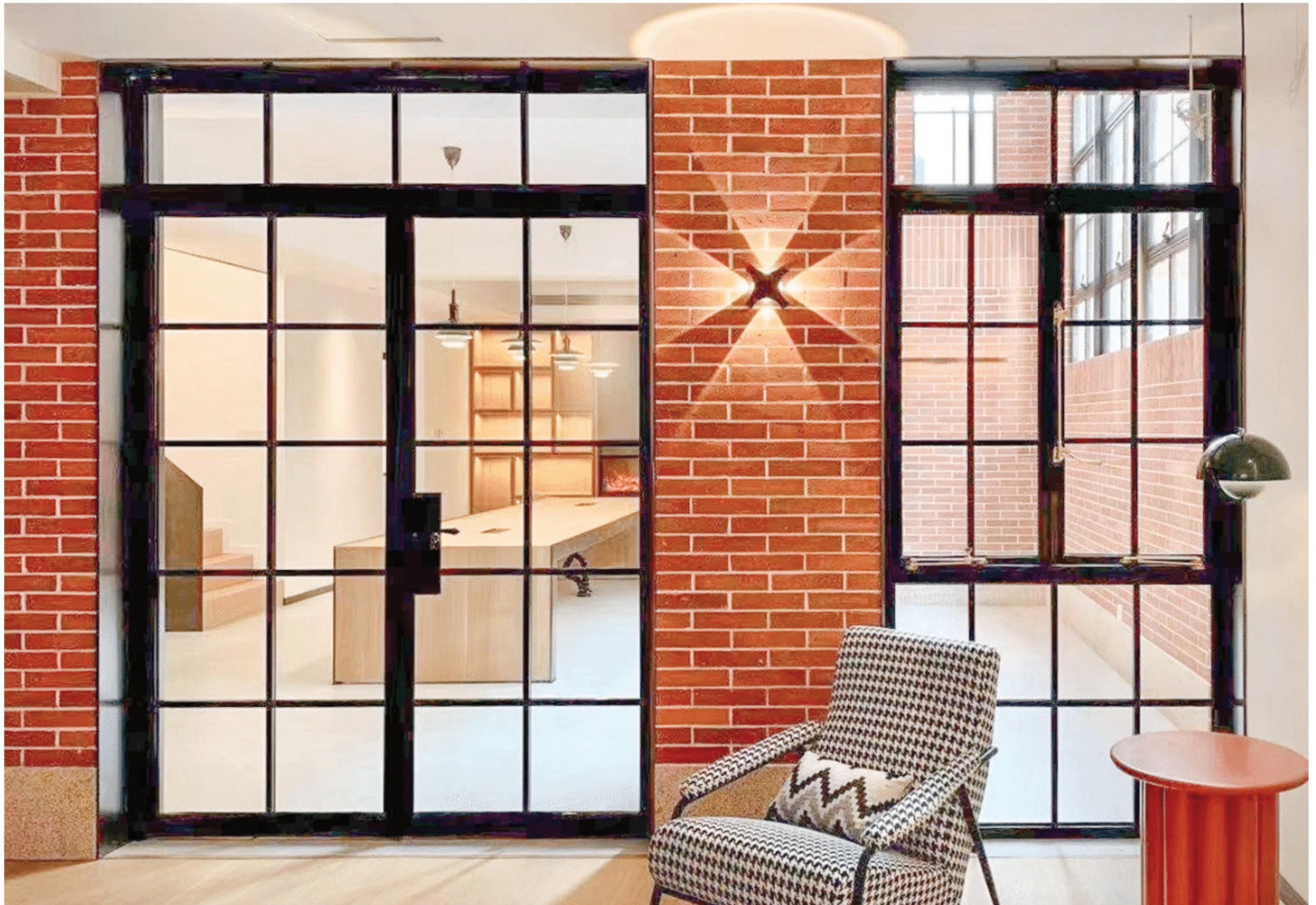


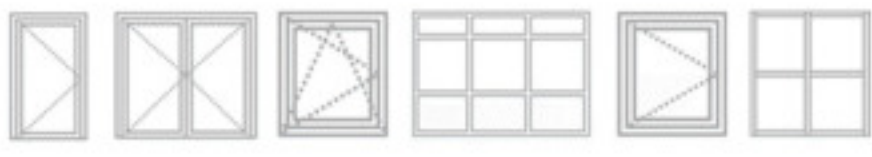
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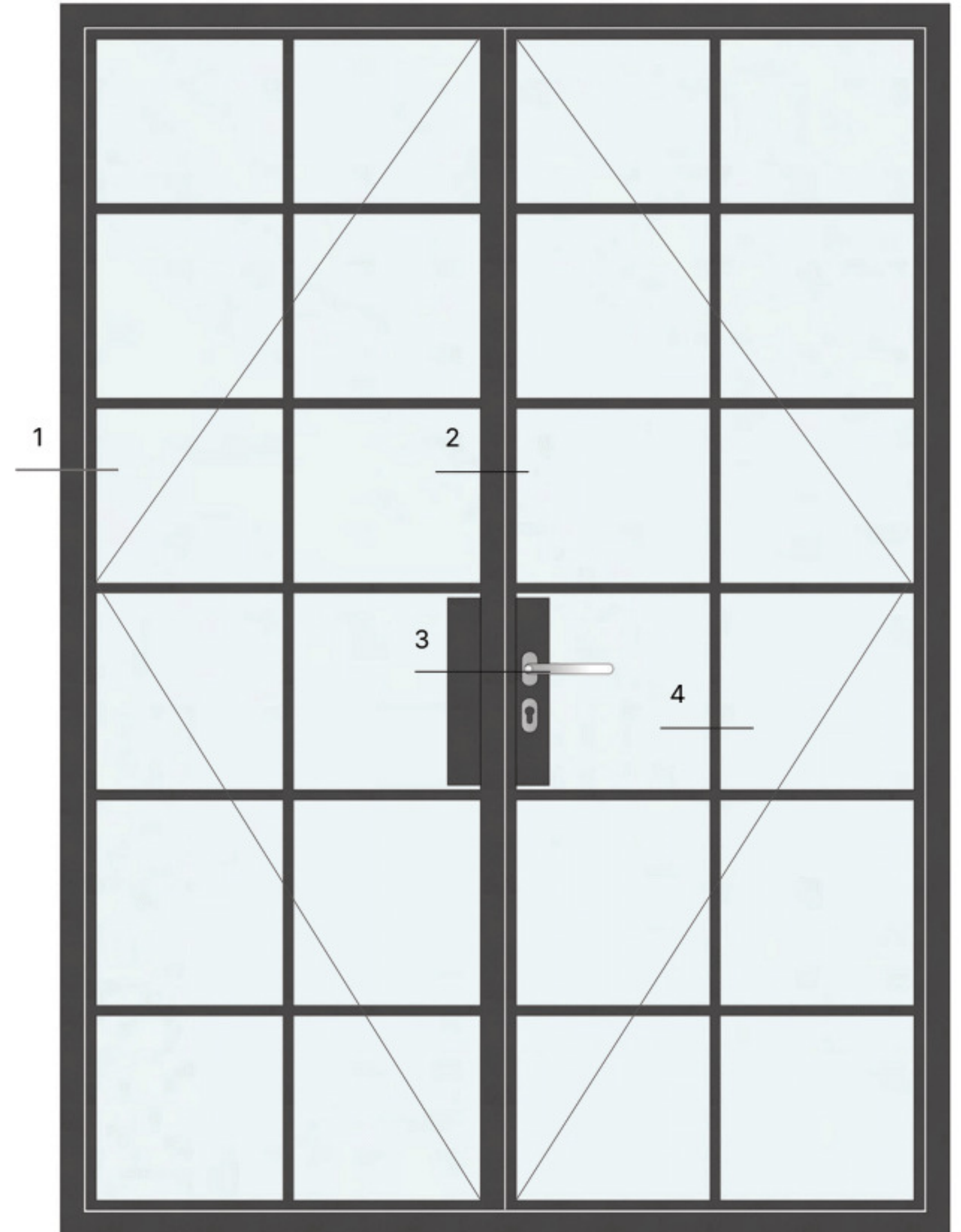
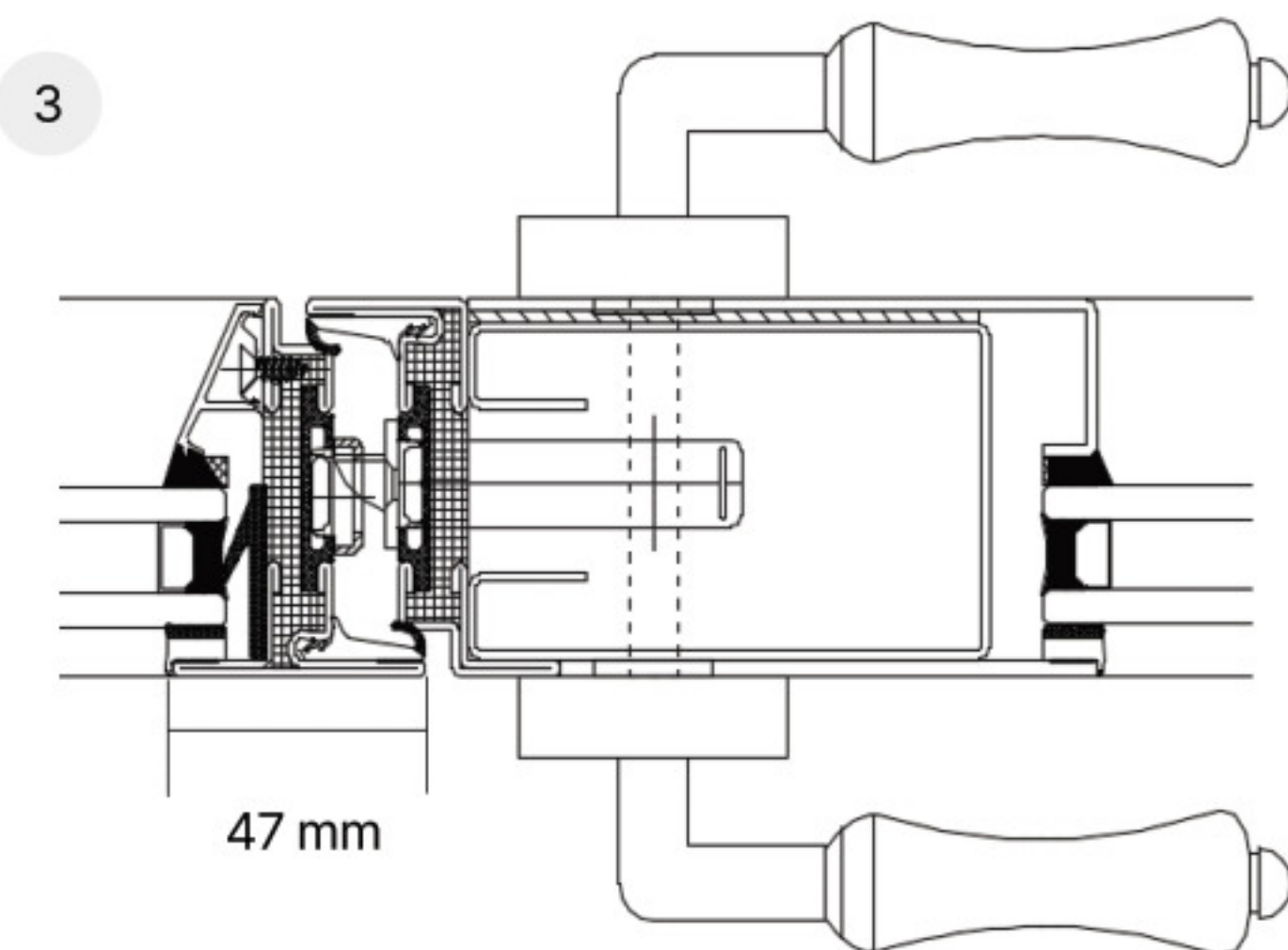
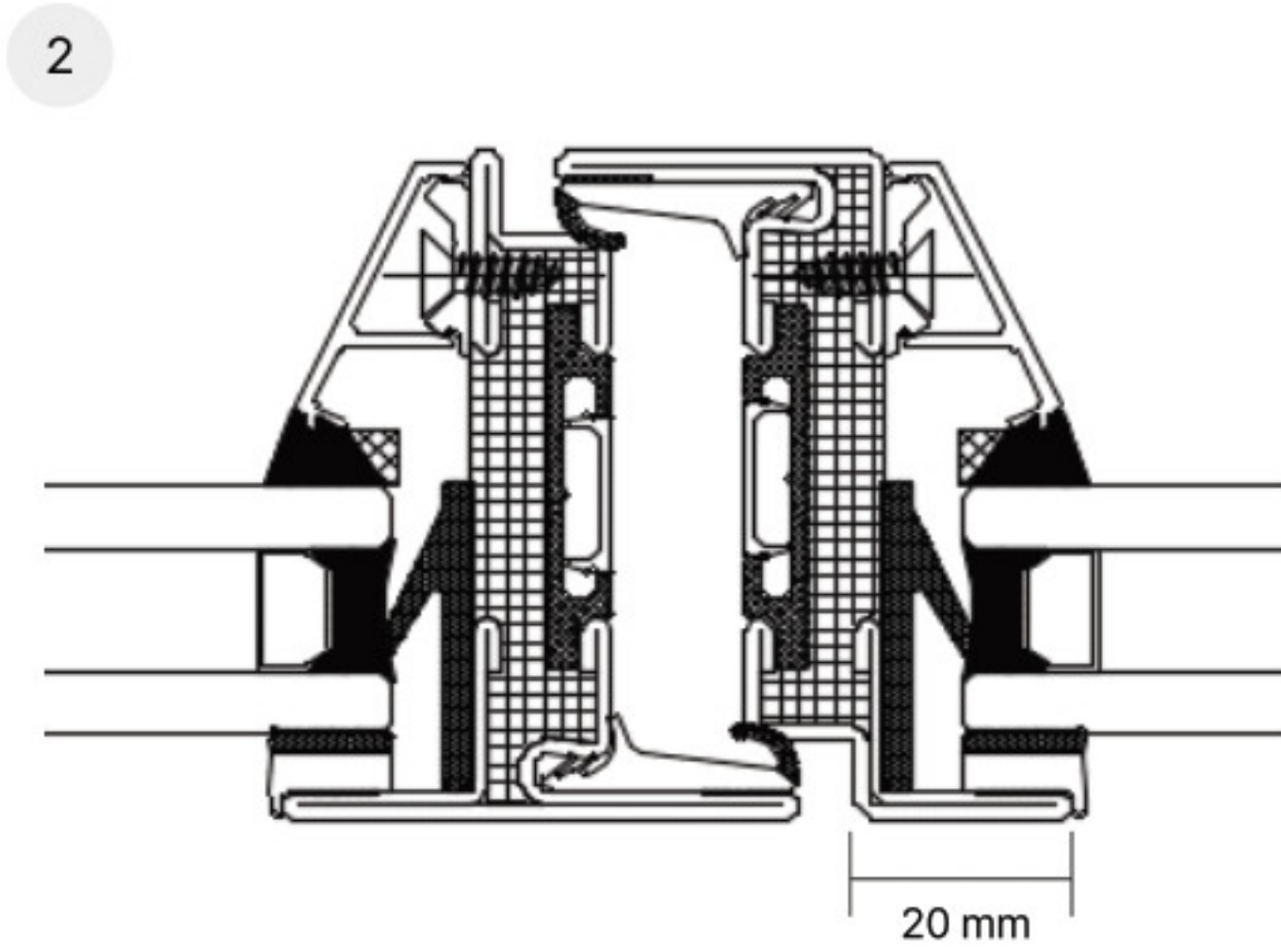
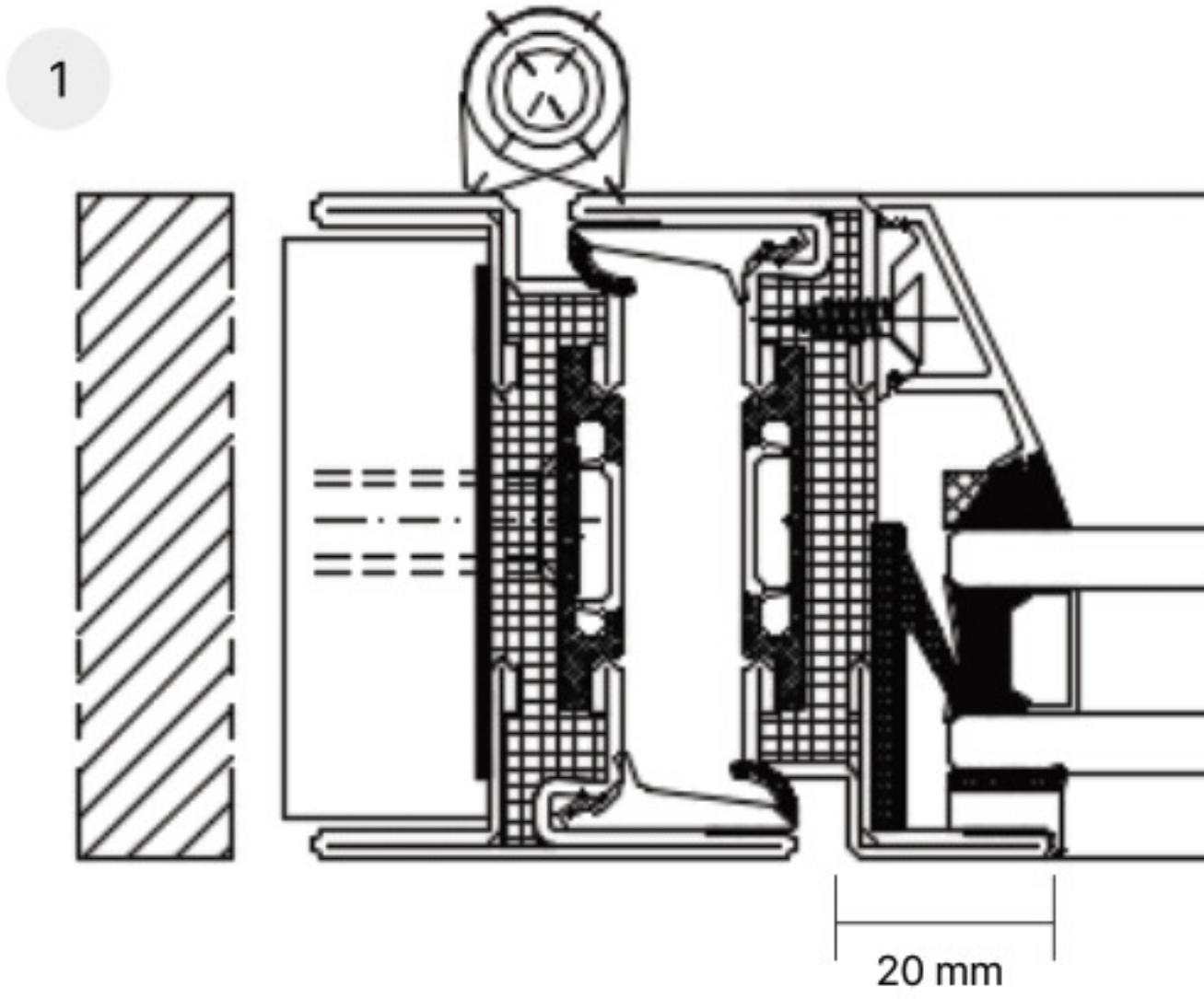


Residential & Commercial-Partitions & Doors

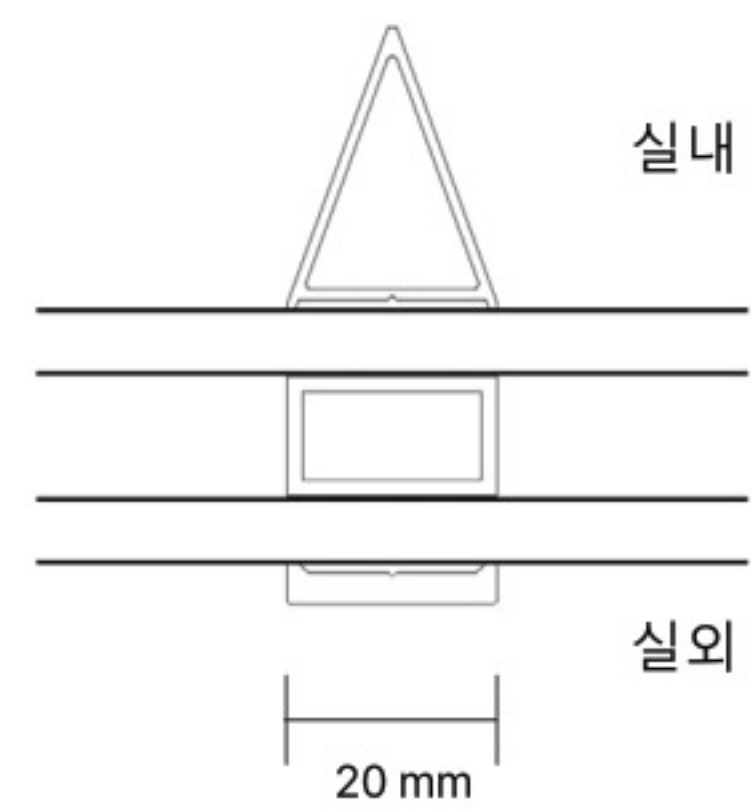


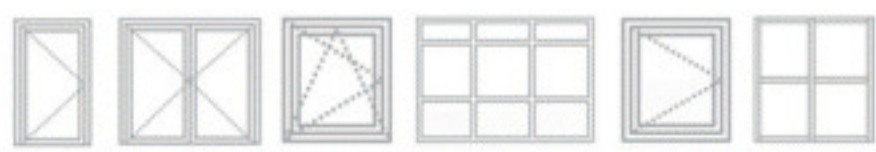


Residential & Commercial-Doors

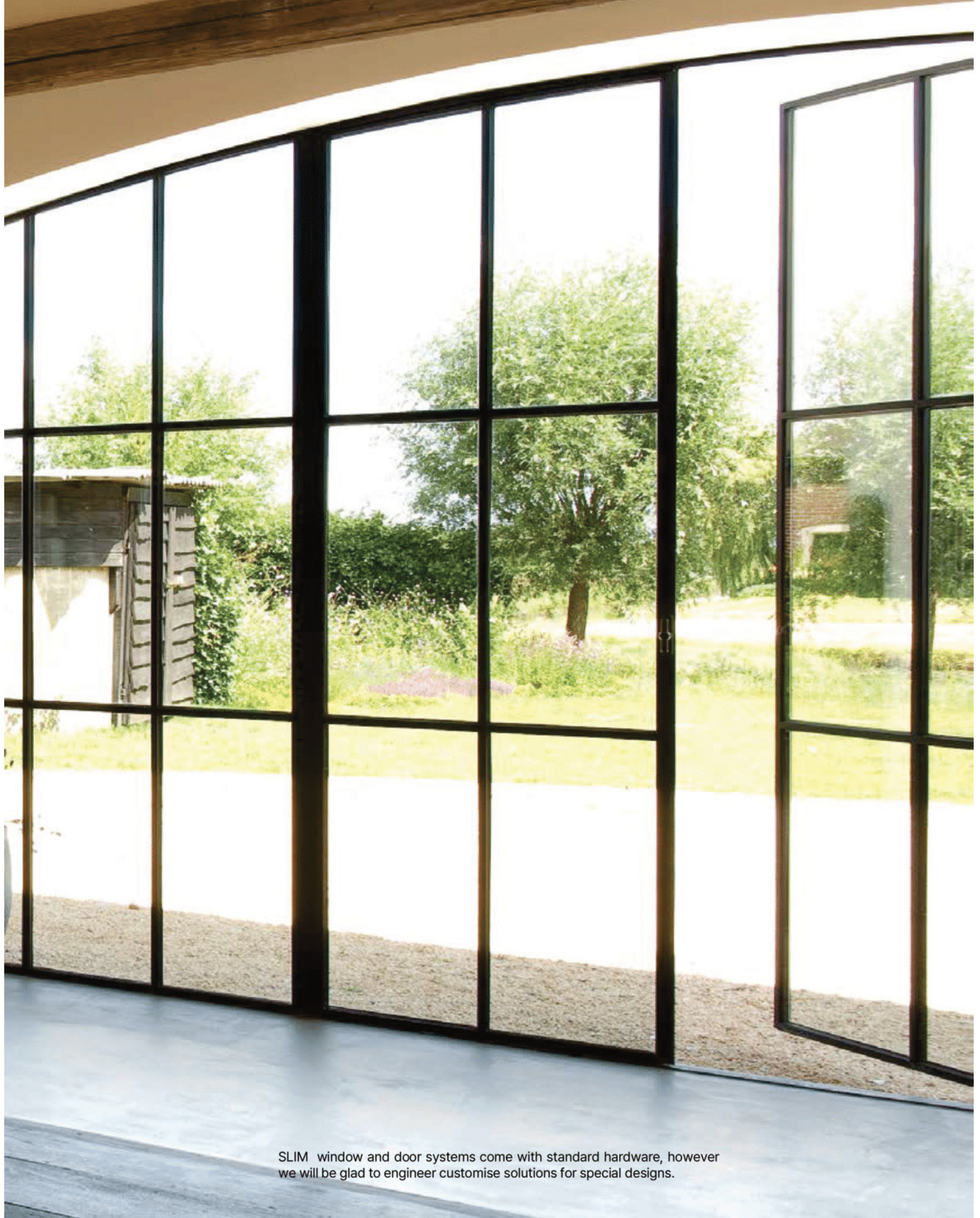


4 그리드 & 유리 디테일





Residential & Commercial-Doors



SLIM window and door systems come with standard hardware, however we will be glad to engineer customise solutions for special designs.



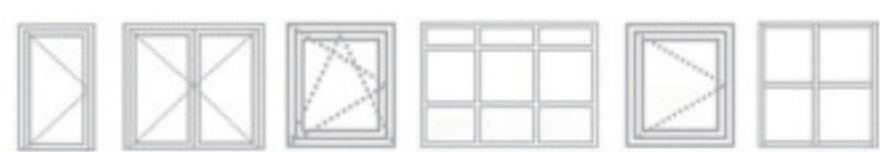
Residential & Commercial-Doors





Residential & Commercial-Partitions & Doors



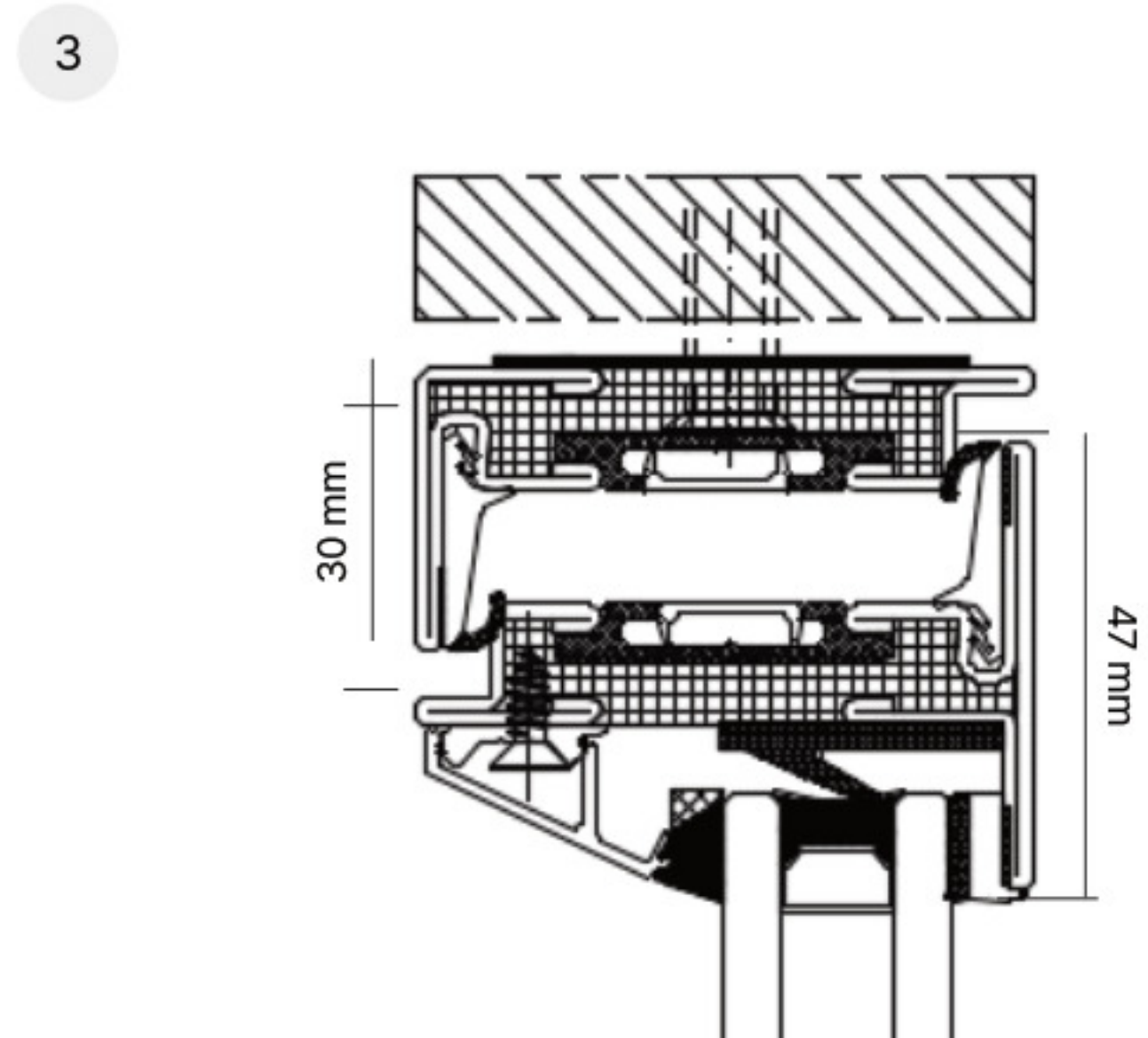
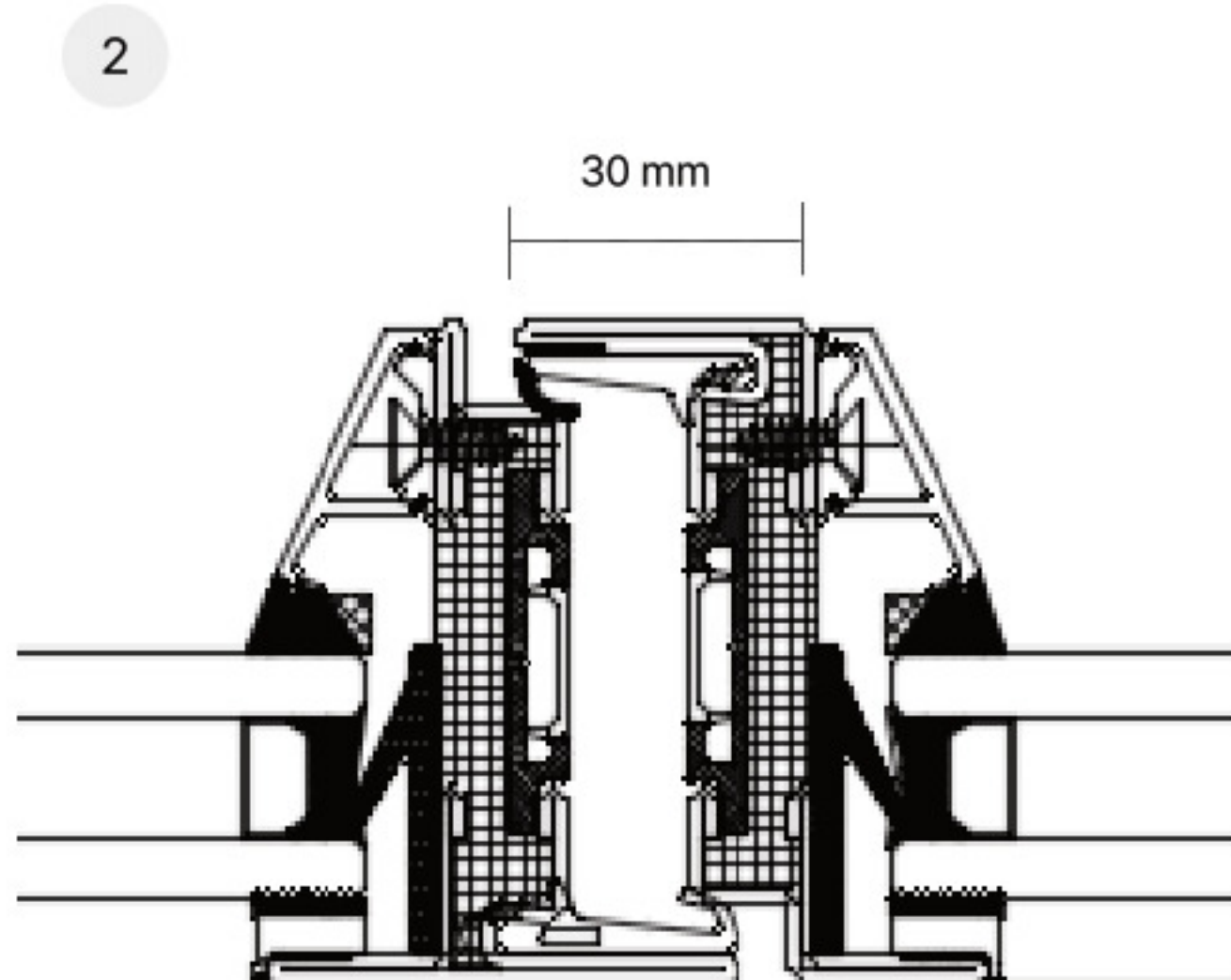
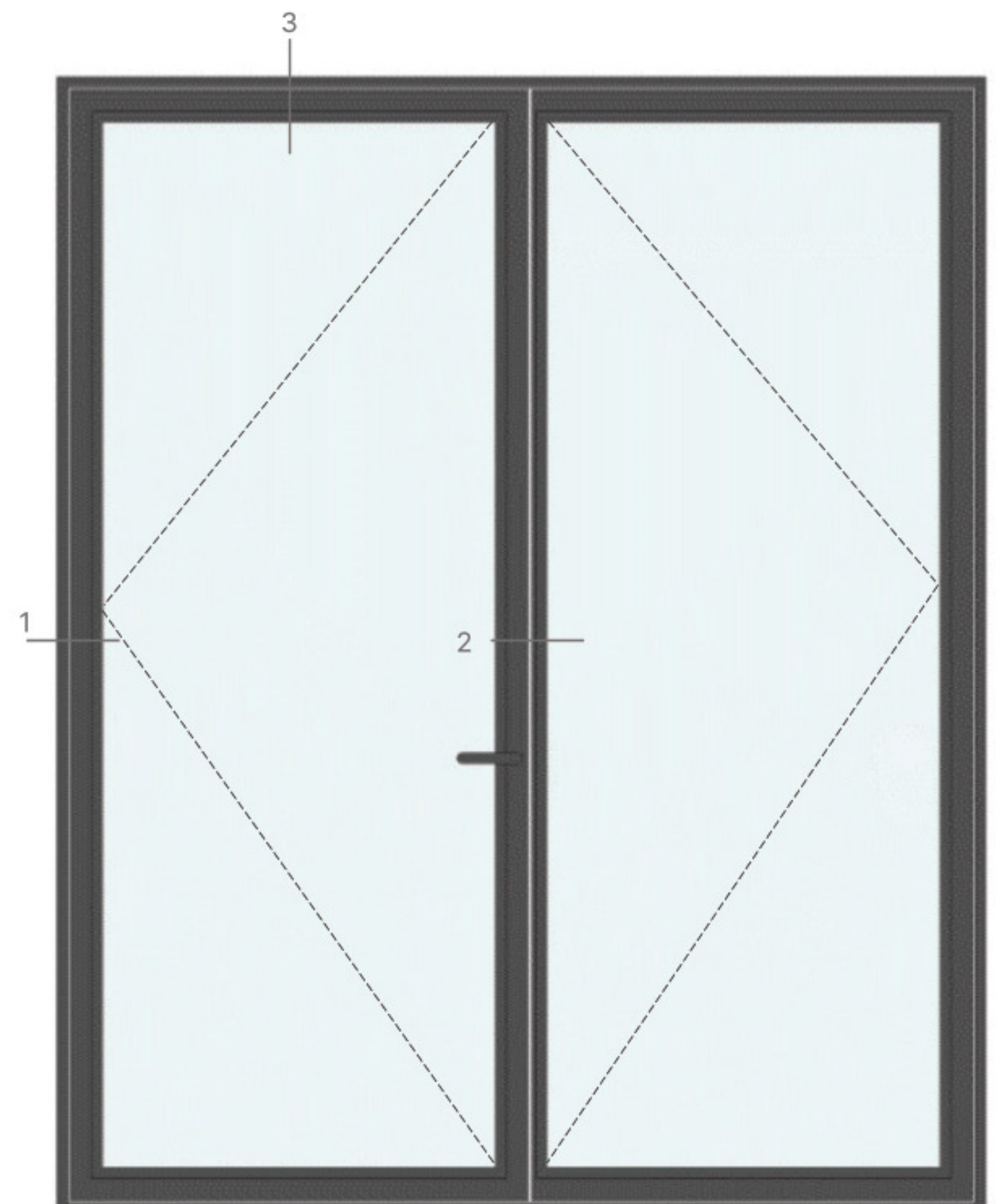
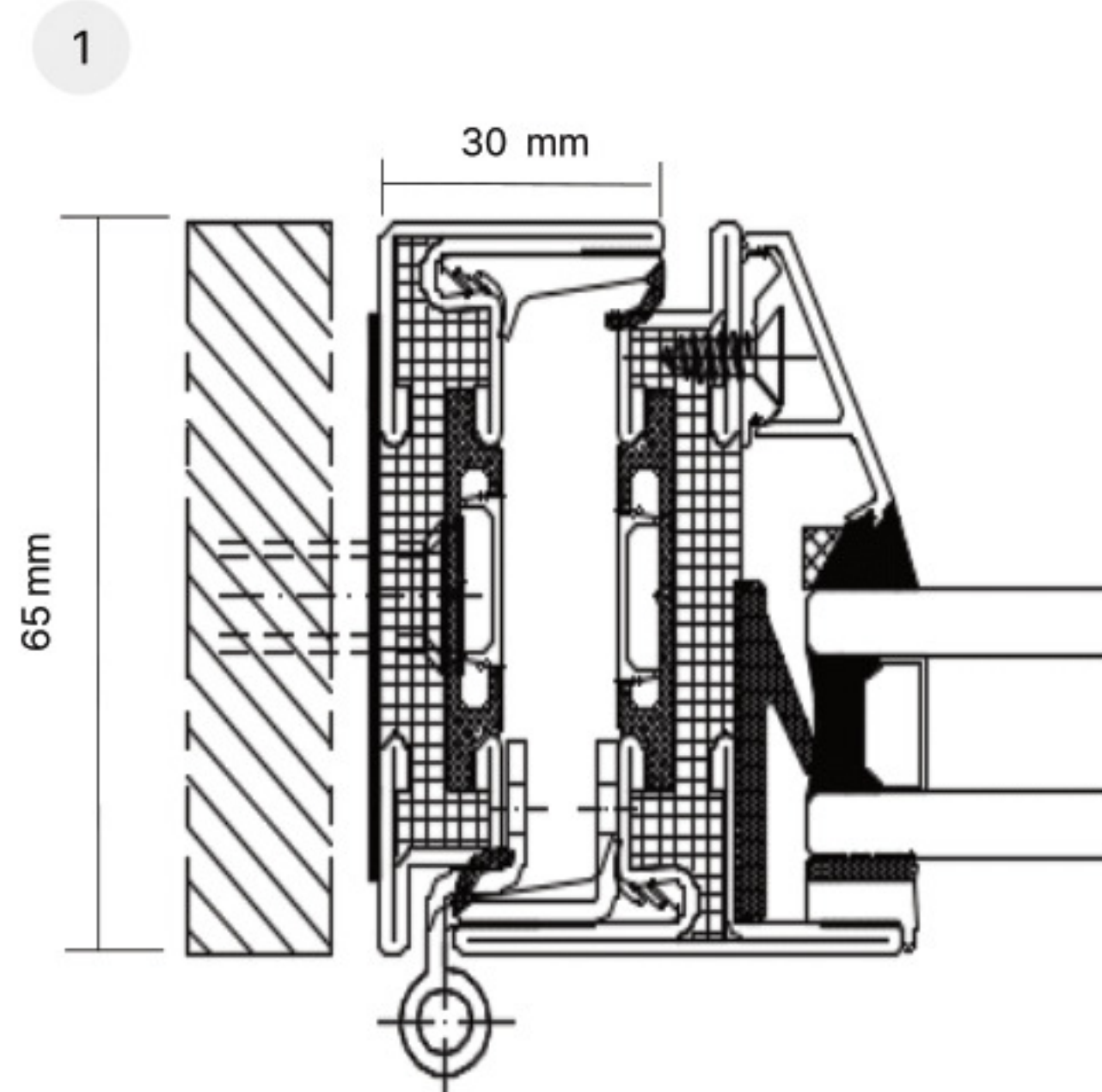


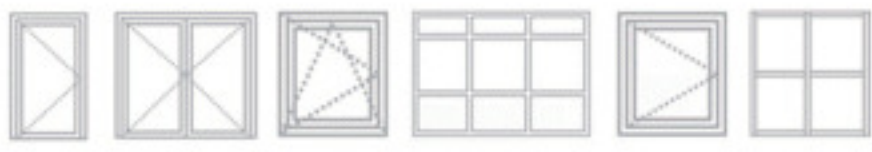
Residential & Commercial-Doors





Residential & Commercial -Windows



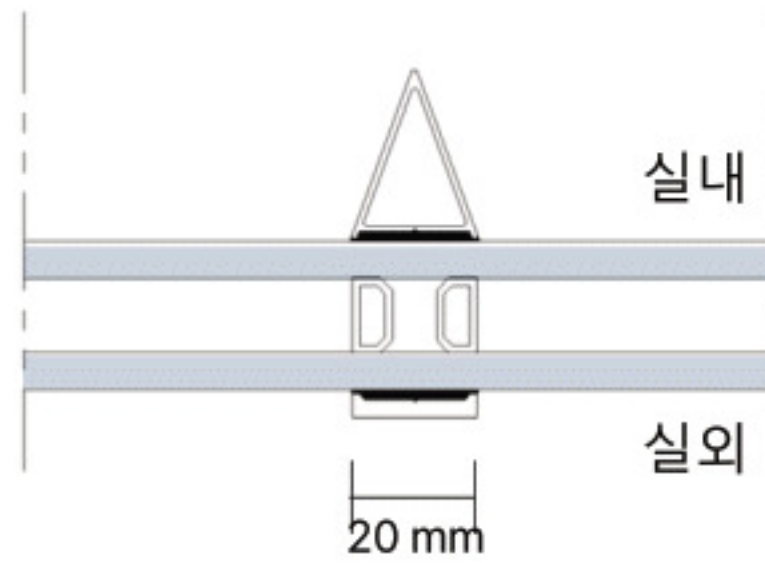


Residential & Commercial-Windows

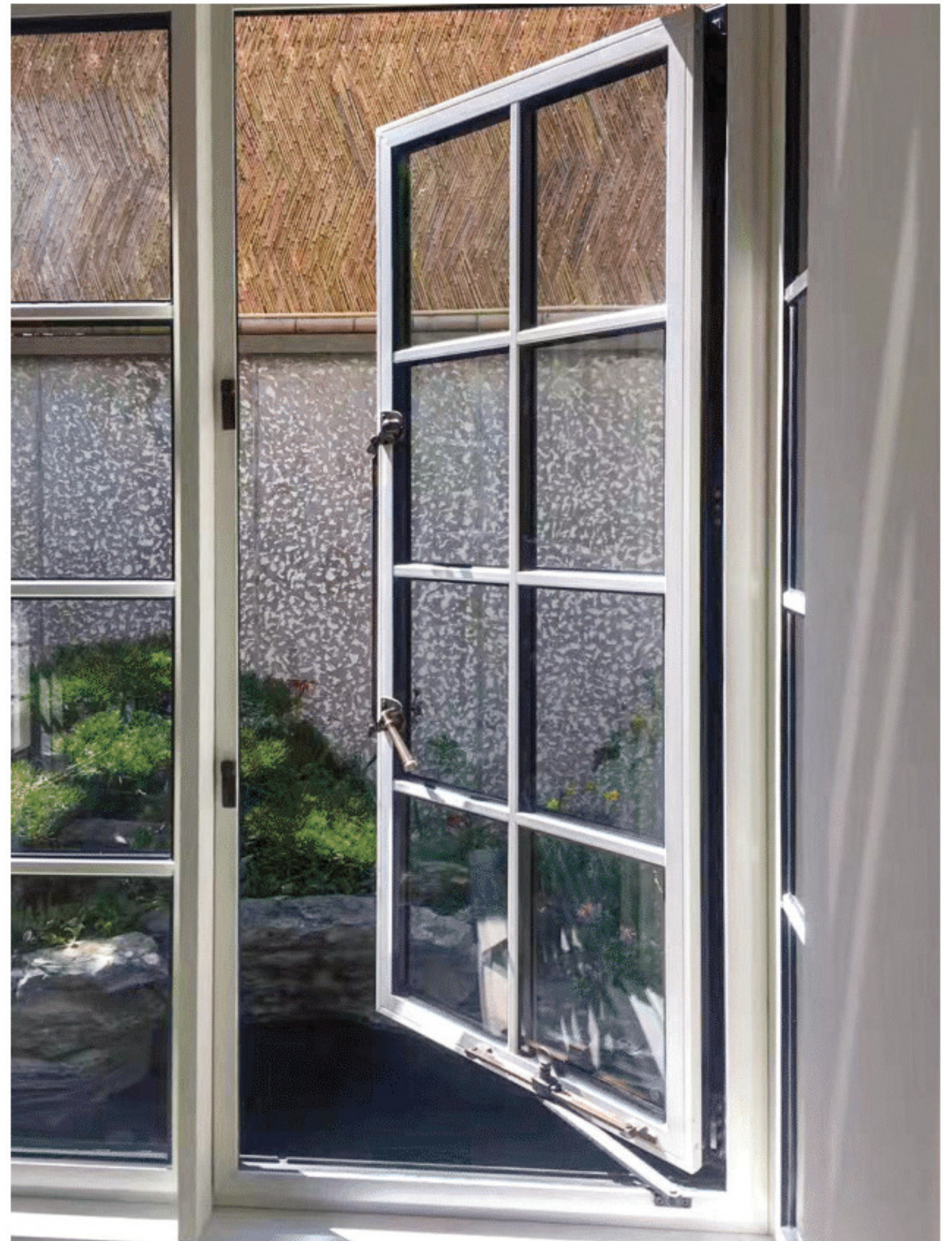
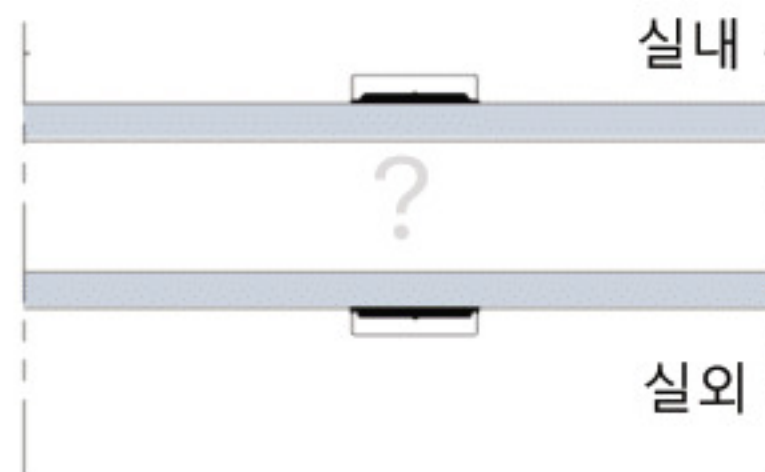
그리드의 완벽한 구현,

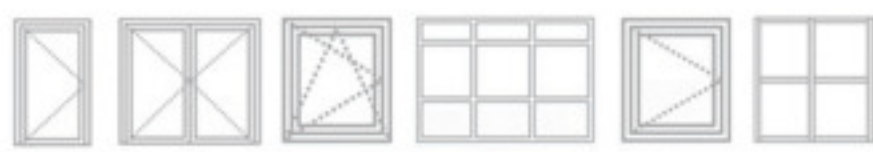
복층유리의 공기층 구간에 그리드의 위치와 일치하게 간격제를 배치하여 어색하게 보이는 그리드 디자인을 해결하였습니다.

PDA
그리드 & 유리 디테일



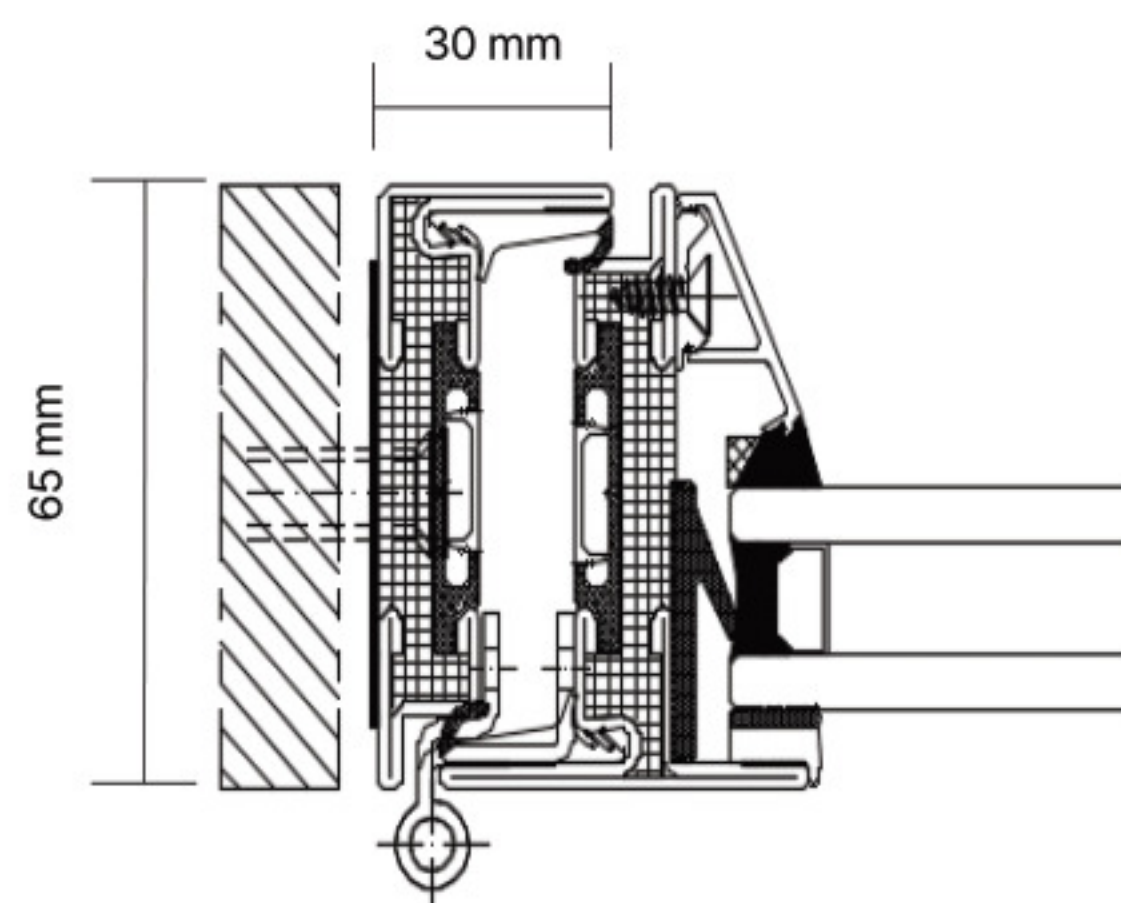
일반창호
그리드 & 유리 디테일



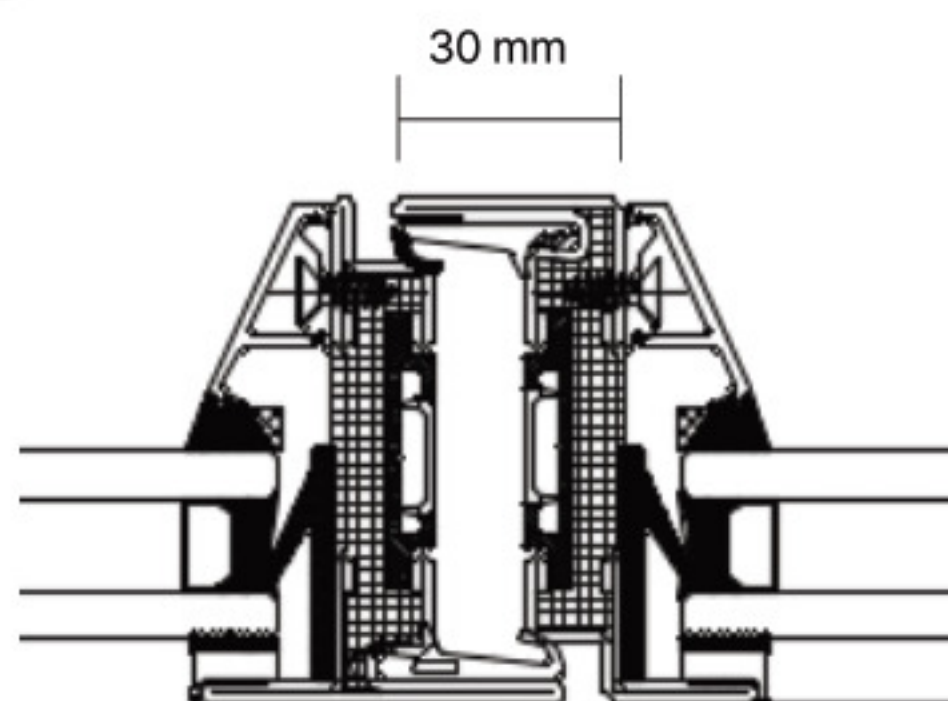


Residential & Commercial -Windows

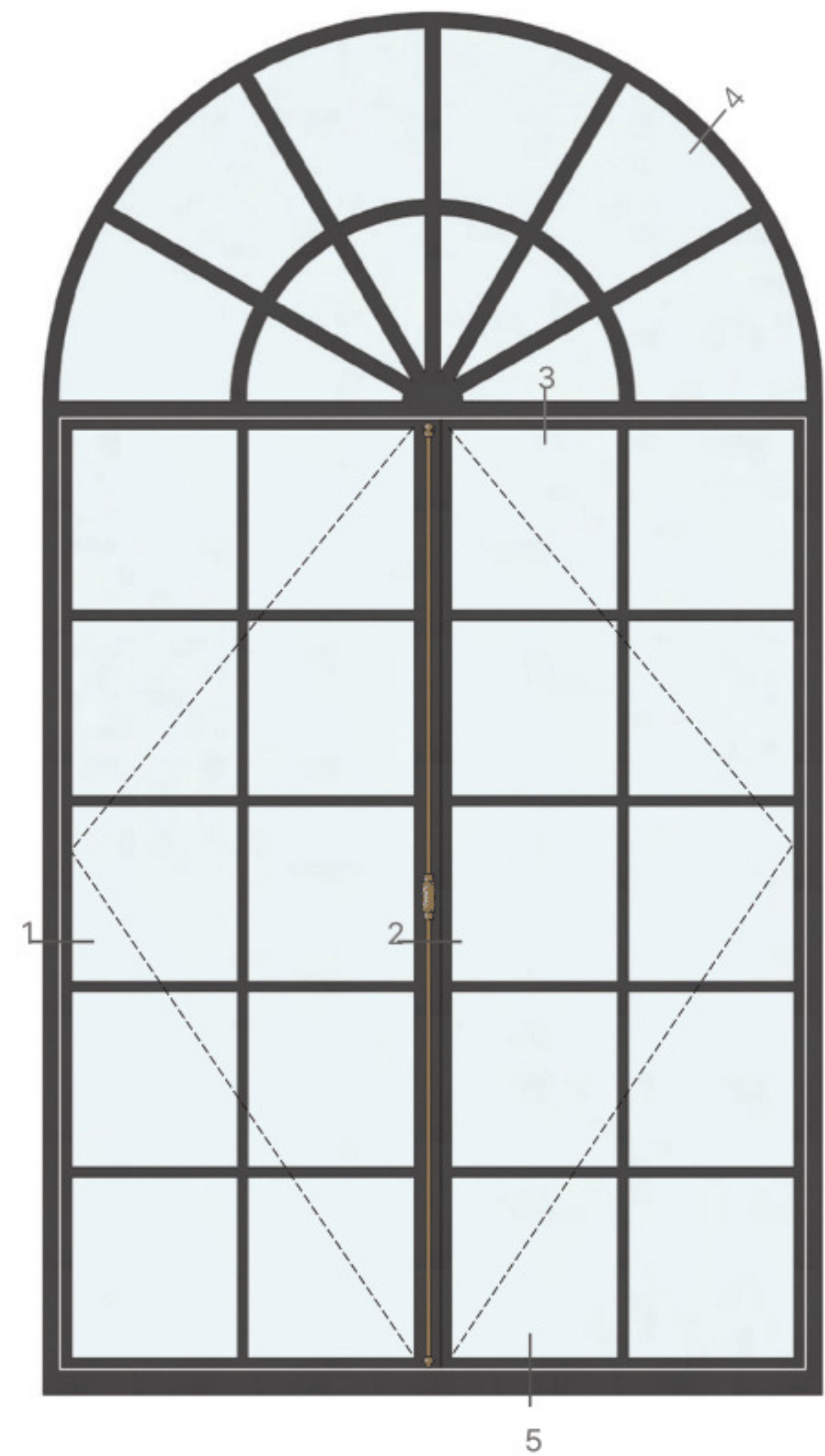
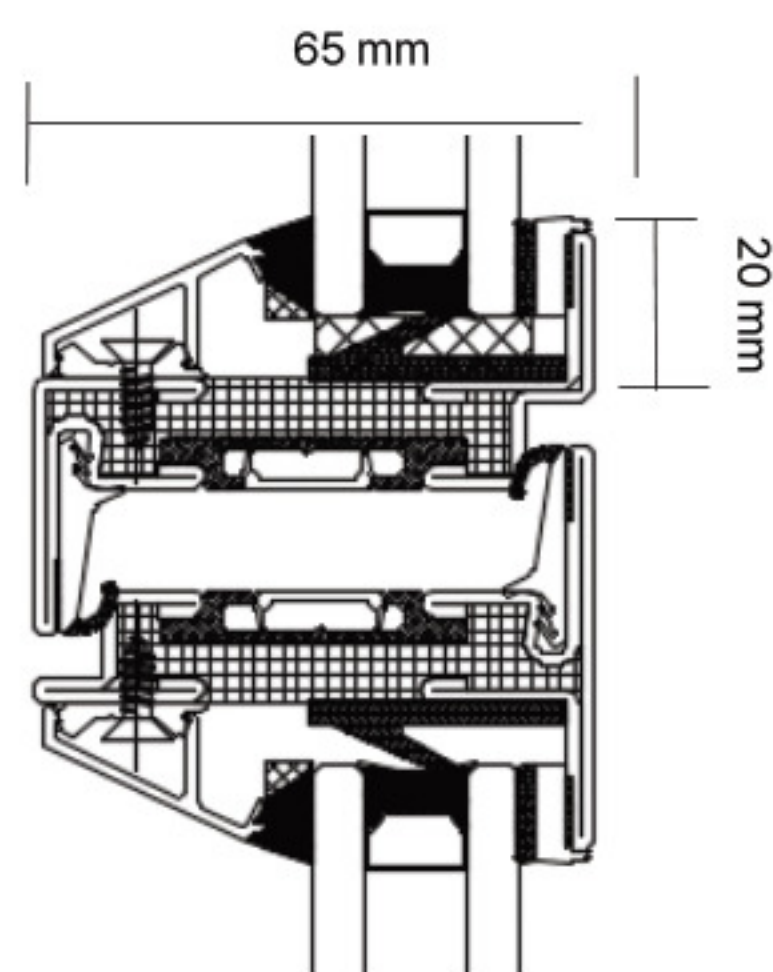
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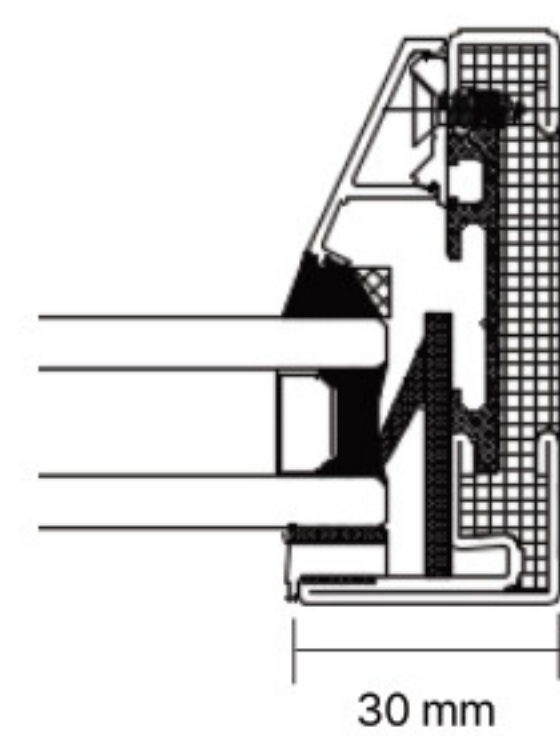
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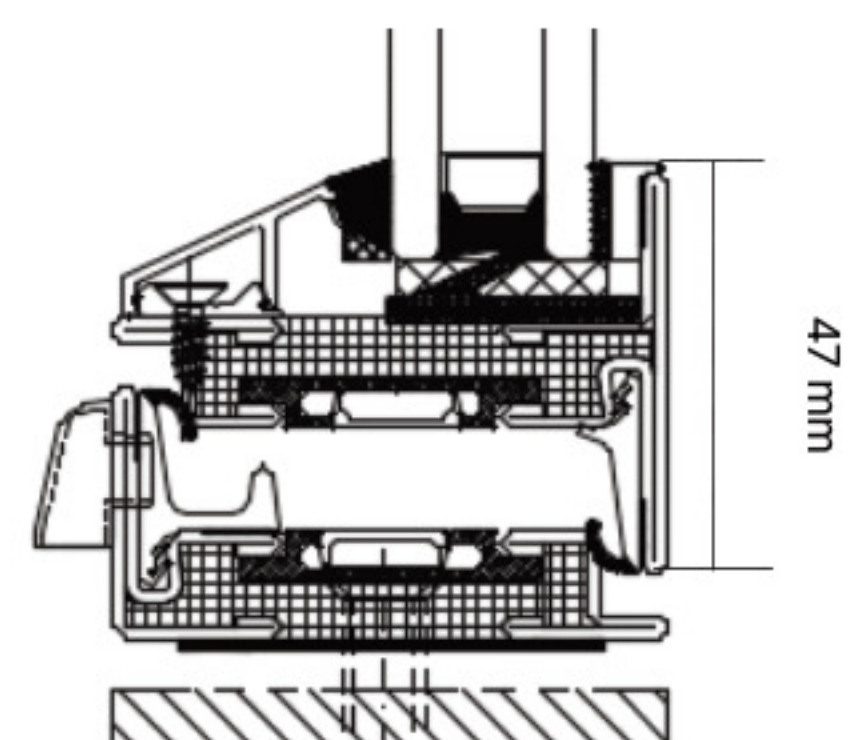
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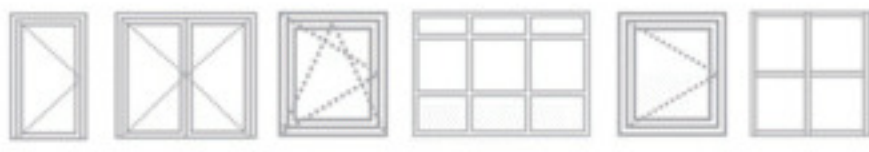


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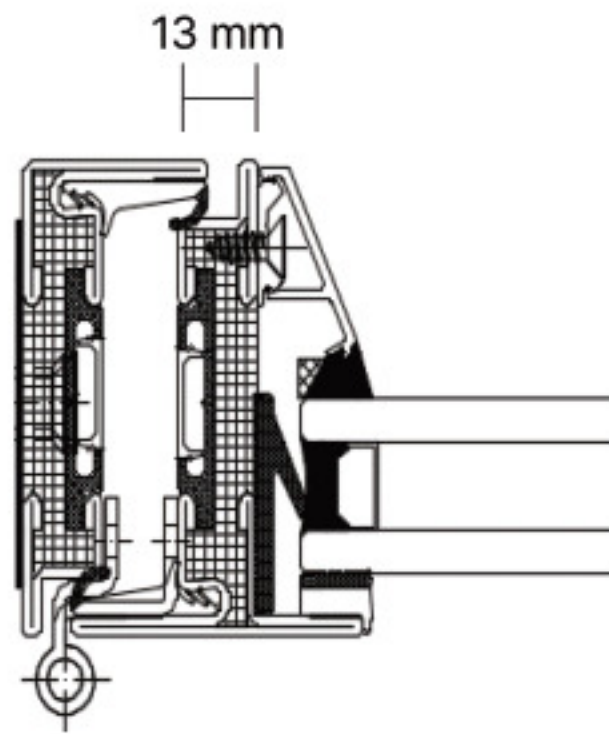


5





SLIM product feature - Narrow face widths



SLIM 시리즈는 매우 좁은 프레임 폭을 가지고 있으며, 일반적인 "Cavity"는 단 13mm에 불과합니다. 이 미니멀한 프레임 디자인은 채광 면적을 최대한 넓혀주고 시각적 방해 줄여줍니다. "면"을 "선"으로 만듭니다.

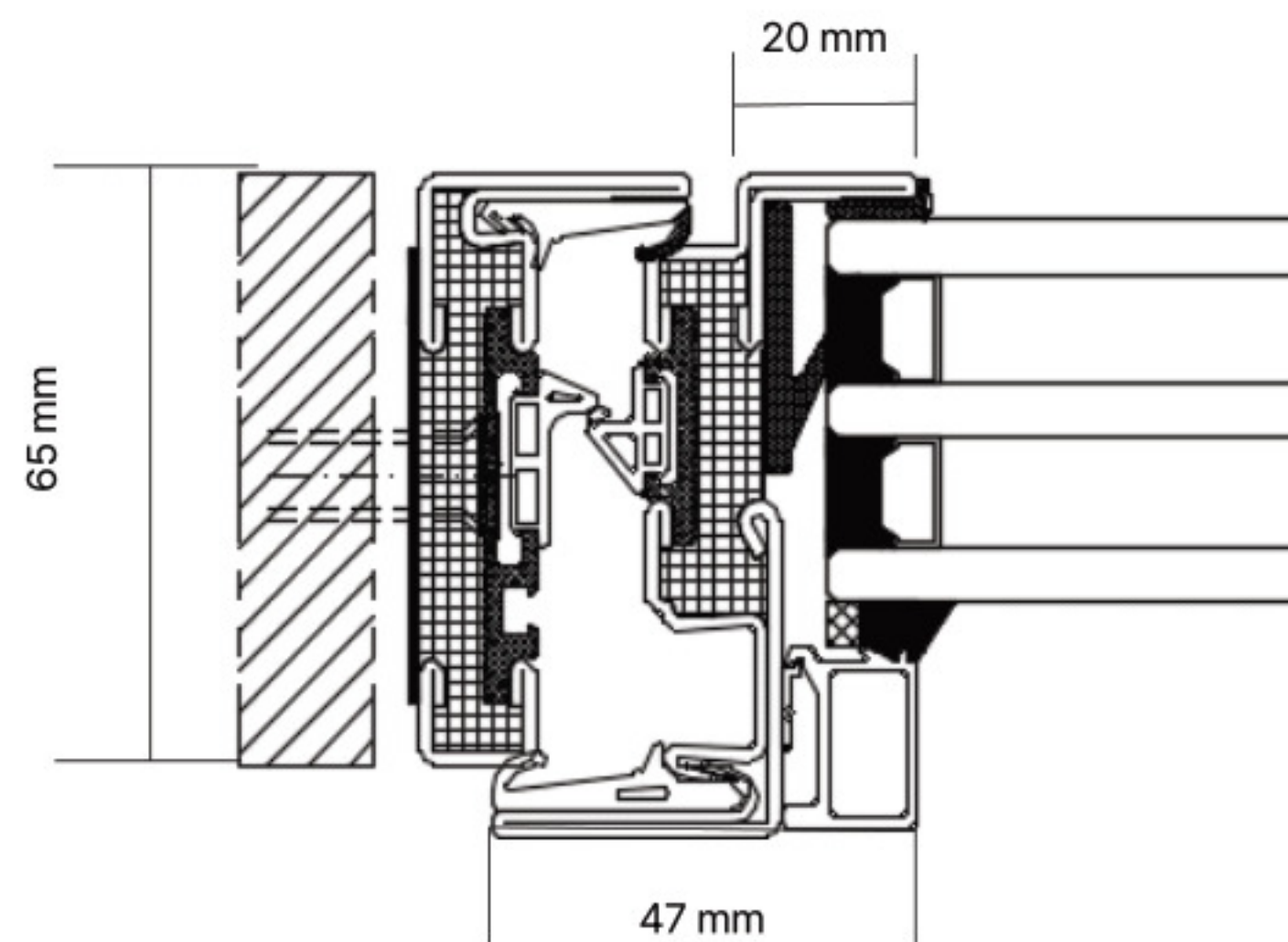
SLIM series has extremely narrow face widths, and its conventional "cavity" is only 13 mm. This minimalist frame design can increase the light-passing area to the maximum extent and reduce visual impairment. Let "face" become "line".



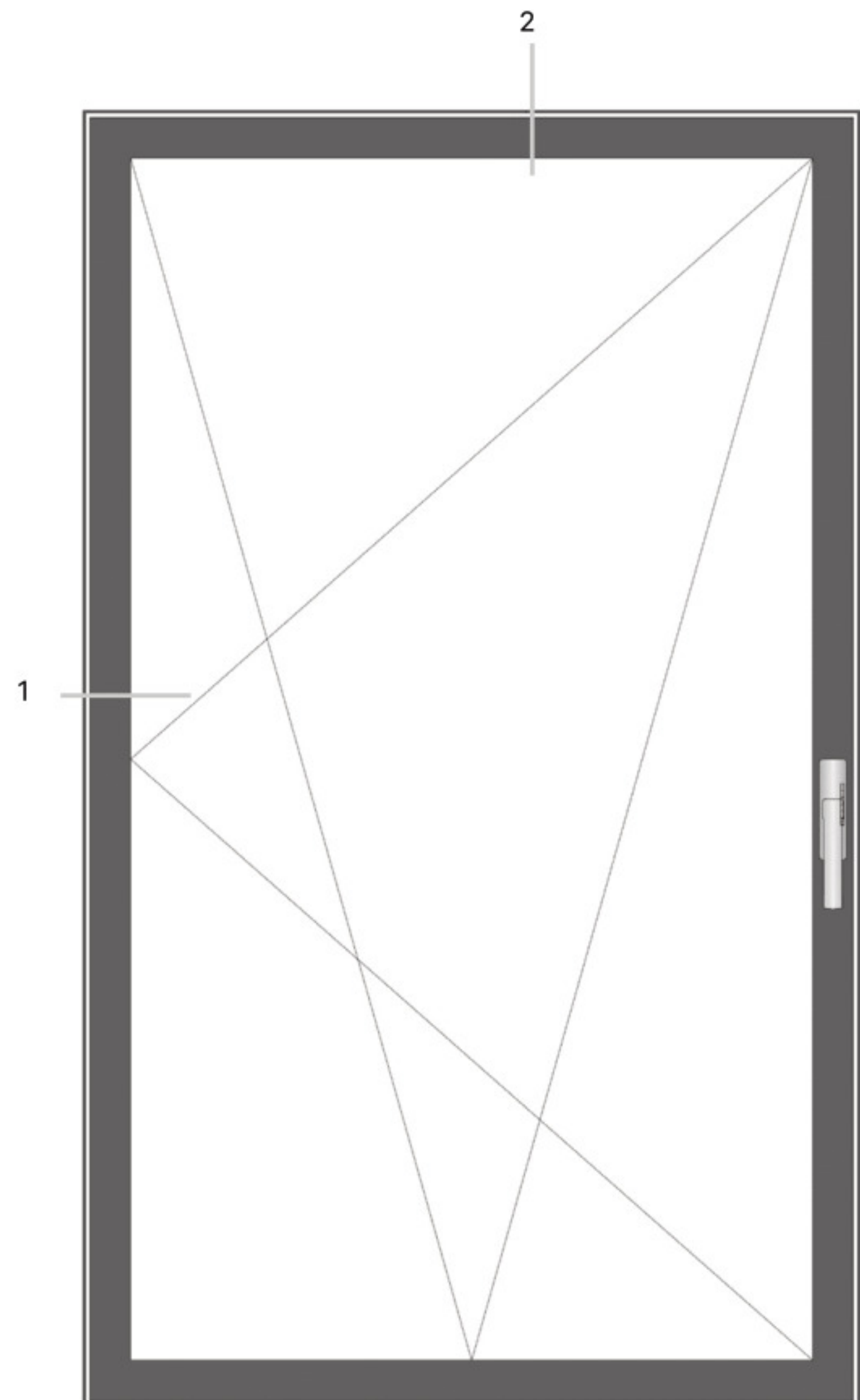
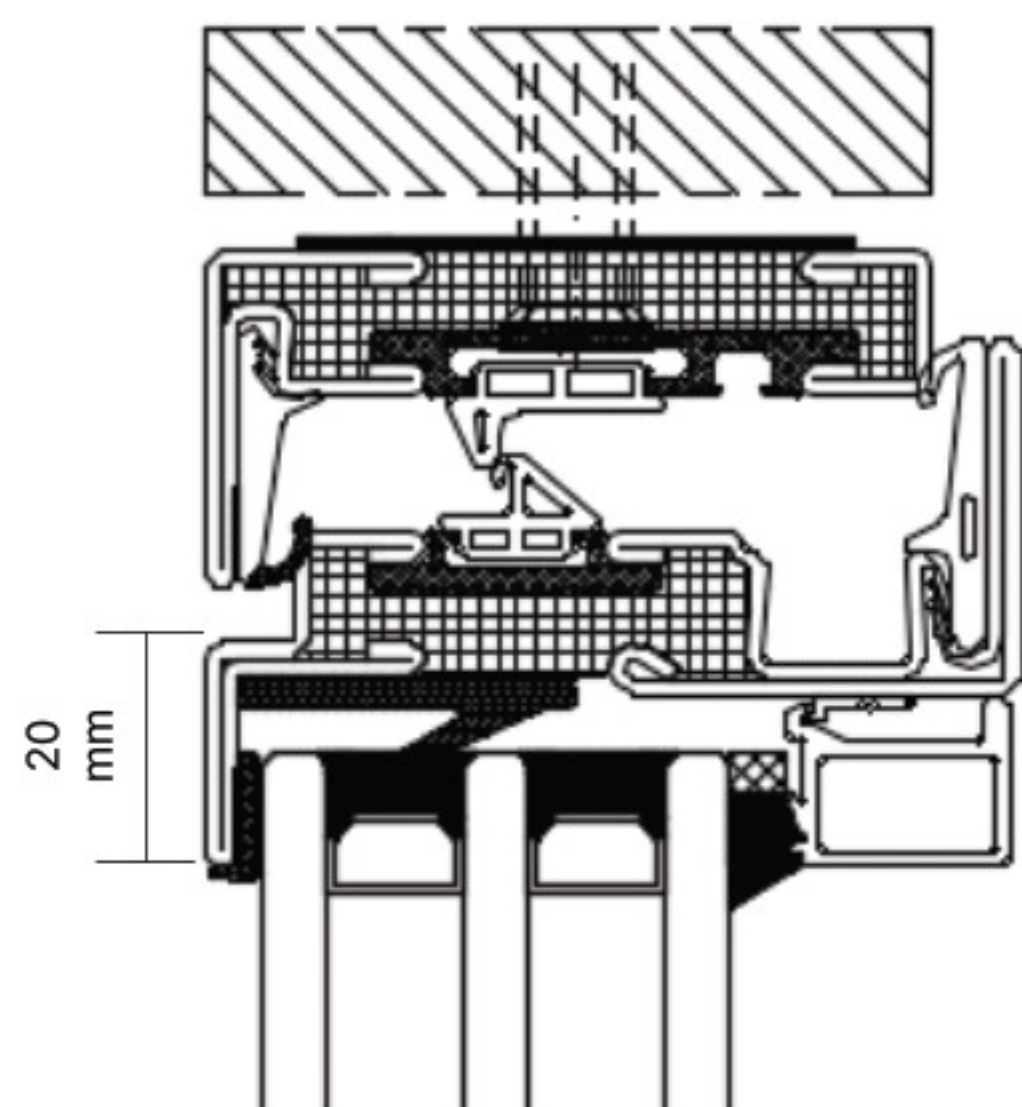


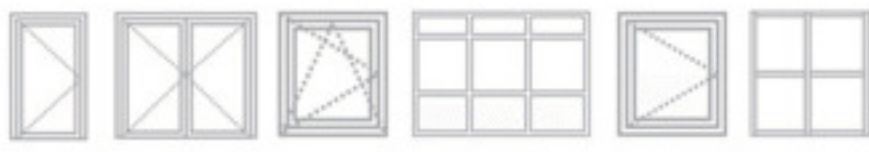
Residential & Commercial -Windows

1



2





SLIM product feature - Rich extensible forms

SLIM 시리즈는 문, 창문, 파티션 등 다양한 제품 형태로 구현할 수 있습니다. 이러한 스타일 안에서 각각은 다양한 형태와 여러 가지 스타일을 지니고 있습니다. SLIM은 전면 유리부터 금속 패널의 조합, 복고풍 아치에서 정교한 체스 패턴까지, 그리고 각종 하드웨어, 다양한 프레스싱 라인과 유리까지 모두 아우르는 전설적인 'all-round player'입니다

SLIM series can realize door, window, partition and other product forms. In these styles, each class has various fractals and makes various styles. SLIM is definitely the legendary "all-round player" from the penetration of all glass to the matching of metal plates, from the retro arc to the exquisite chess pattern, and then there are all kinds of hardware, all kinds of pressing lines and all kinds of glass.





PDA 스틸 리프트 슬라이딩 도어

프레임은 강철 단열 브리지 에너지 절약형 소재를 사용하여, 높은 강도와 단열 기능을 갖추고 있습니다.

초슬림 프레임 설계로 최대한의 채광 면적을 확보하여 더 넓은 자연광을 즐길 수 있습니다.

유리 두께 범위: 25mm~45mm

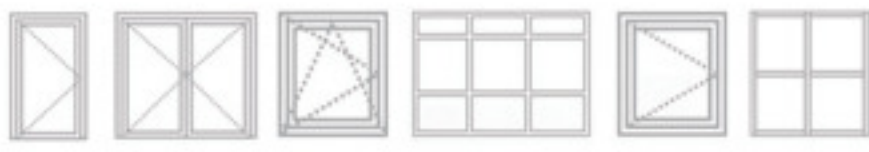
단일 도어 최대 크기: 폭 2500mm 이하, 높이 3000mm 이하

스테인리스 프레임 효과로도 제작이 가능합니다.

전체 단일 도어의 무게는 최대 300kg까지 지탱할 수 있습니다.

리프트 슬라이딩 전용 하드웨어를 사용해 밀폐 효과가 더욱 뛰어납니다.

MAX
300KG



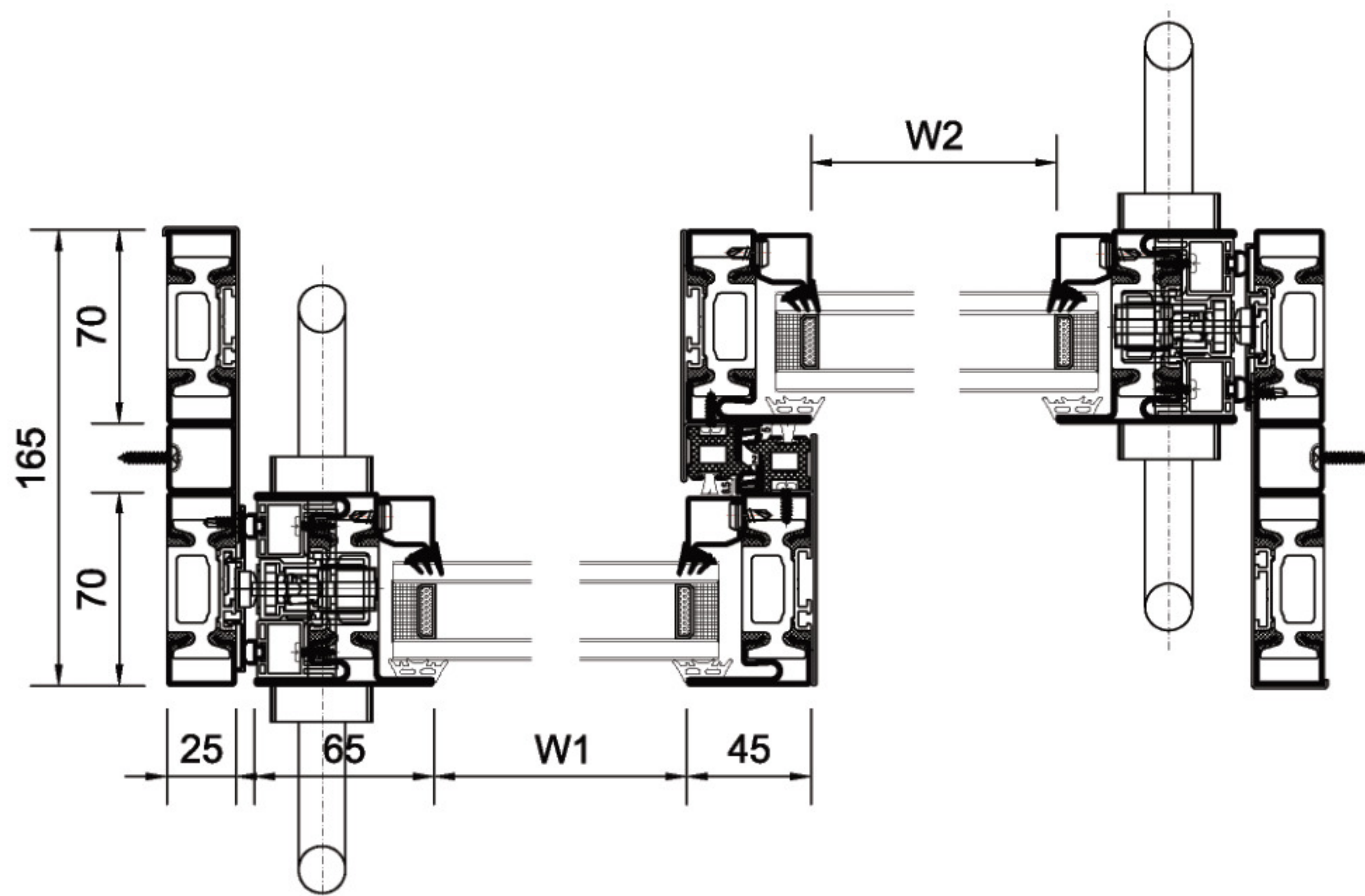
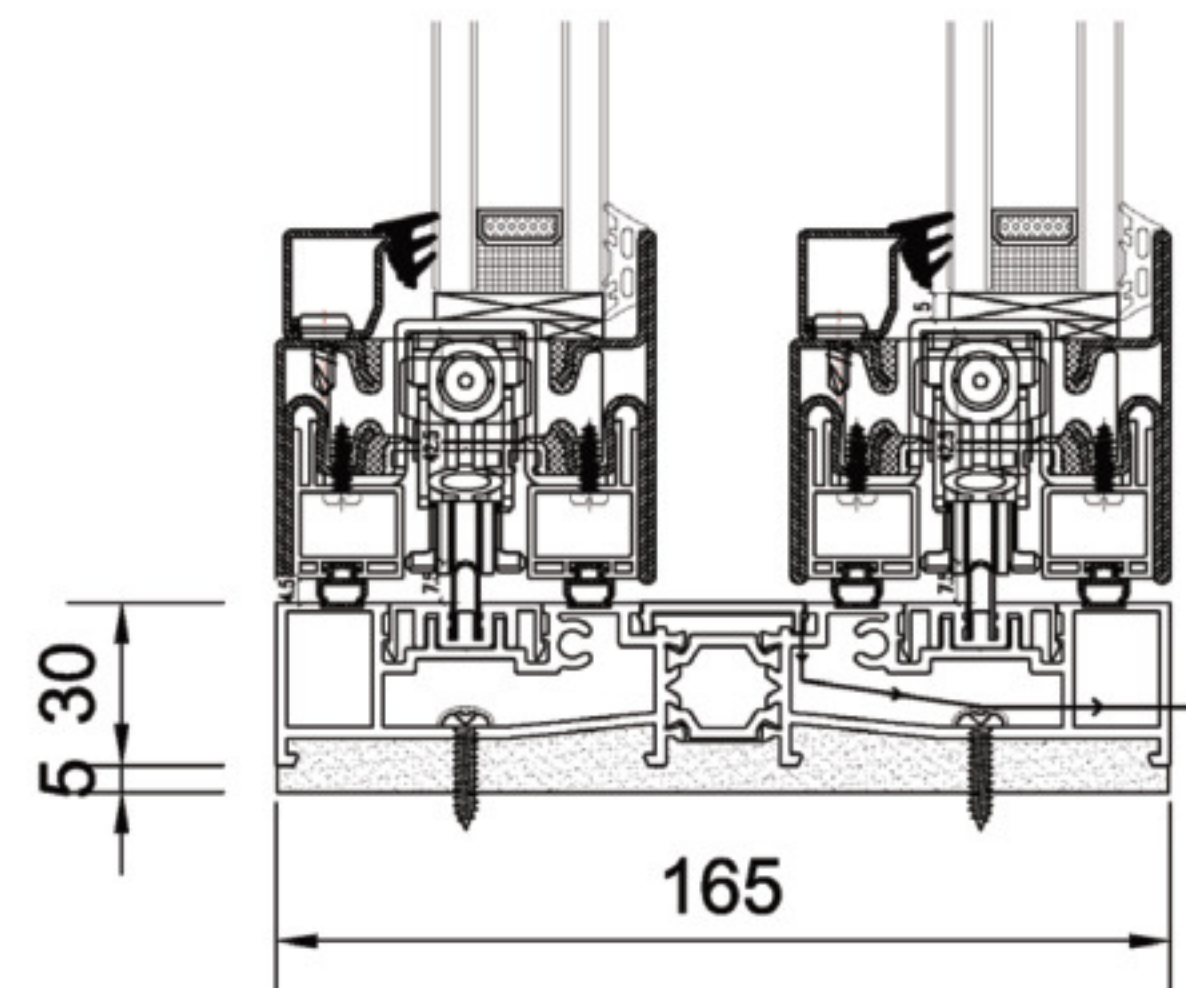
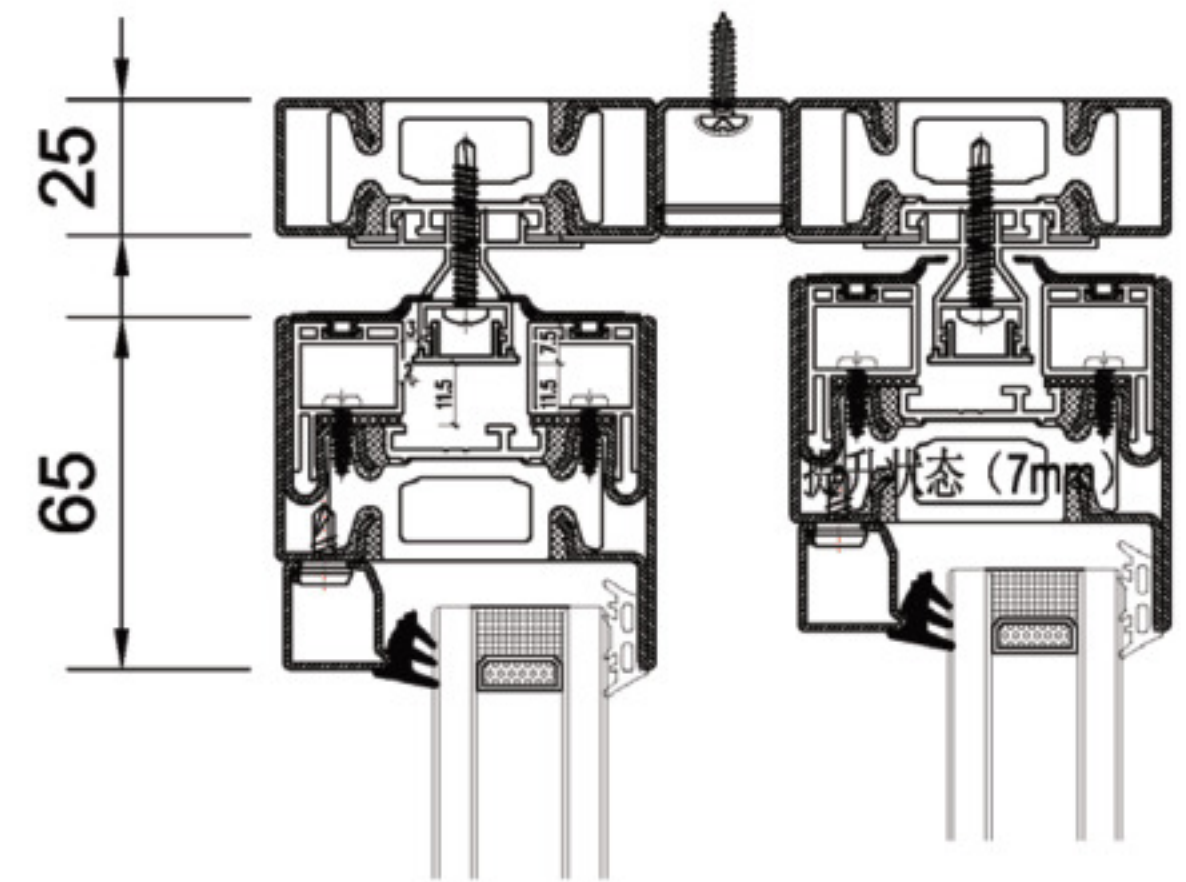
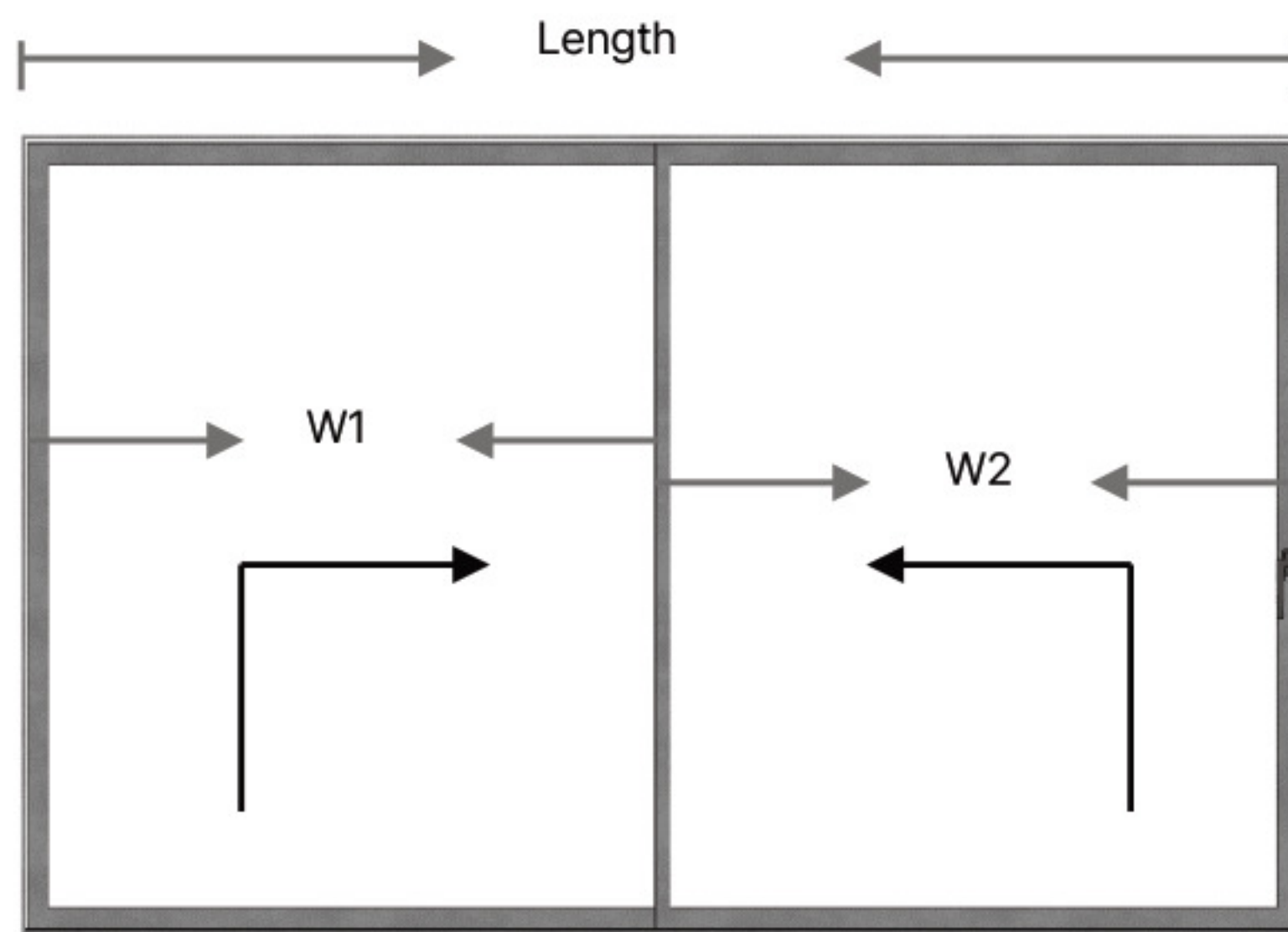
PDA스틸 리프트 슬라이딩 도어

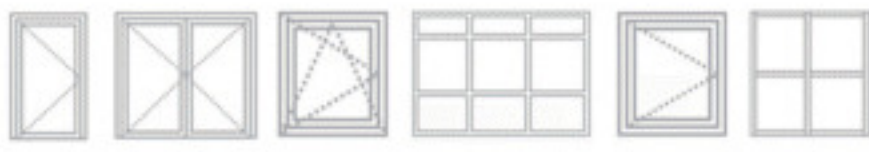
초슬림 프레임 설계

가시 프레임 너비 45mm

최대 사이즈 설계

폭(W) ≤ 2500mm, 높이(H) ≤ 3000mm





PDA 전동 슬라이딩 도어 (상부 모터 매립)

PDA 전동 슬라이딩:

프레임에는 단열 기능이 뛰어난 절연 브리지 에너지 절약형 강철 소재를 사용하여, 우수한 강도와 단열 성능을 갖추고 있습니다.

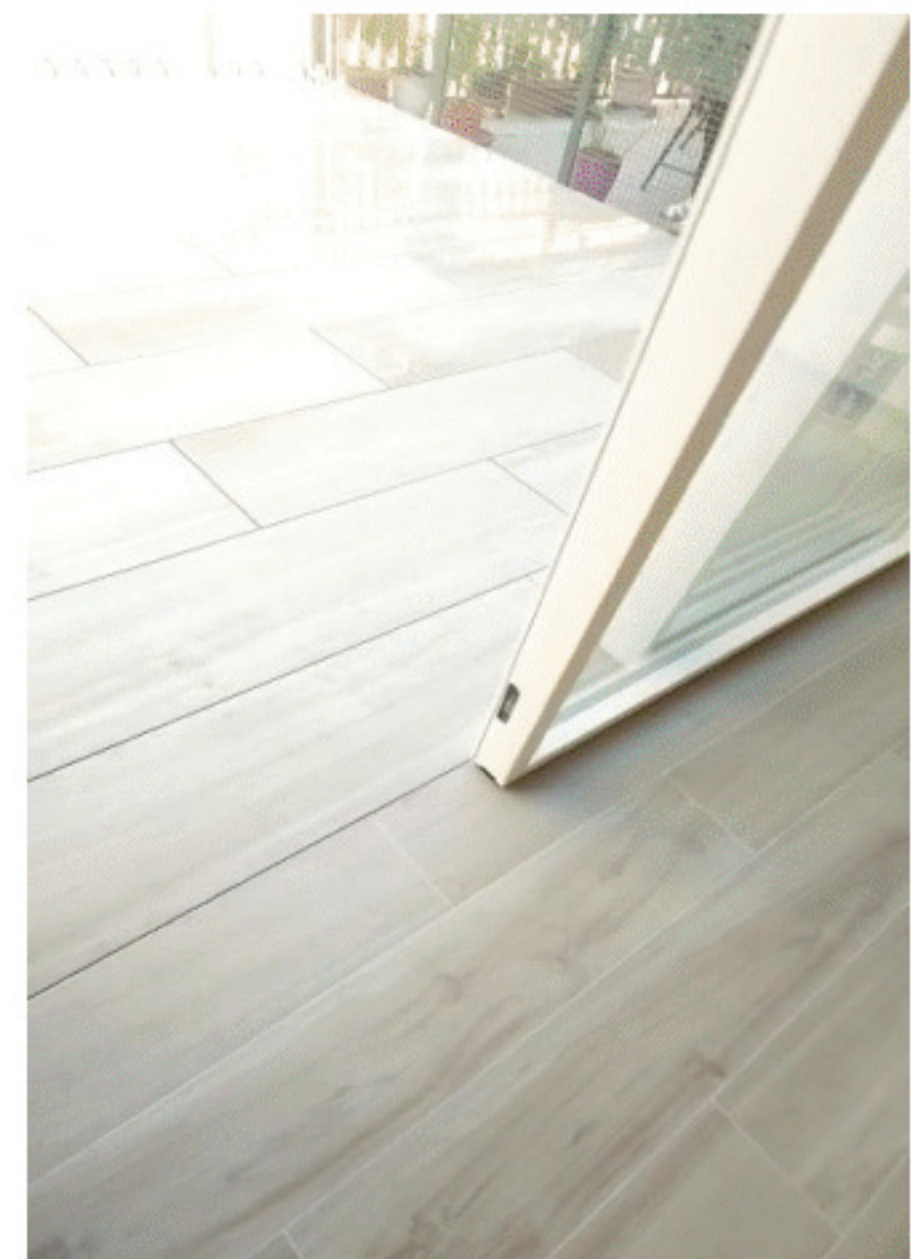
초슬림 프레임 설계로 채광 면적을 극대화하여 더 넓은 자연광을 누릴 수 있습니다.

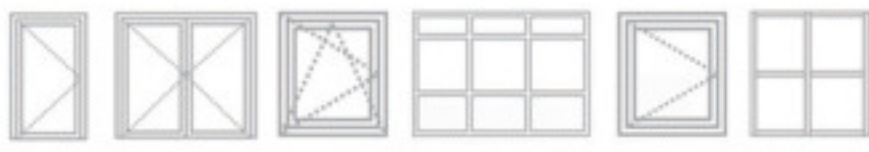
상부 레일과 양측 모두 숨겨진 프레임 구조로 설계되어, 채광 면적과 개방감을 더욱 극대화합니다.

리프트 슬라이딩 기능과 전동 하드웨어 시스템을 탑재해 조작이 더욱 간편합니다.

바닥에 레일이 없는 설계로, 바닥의 통행성이 우수합니다.

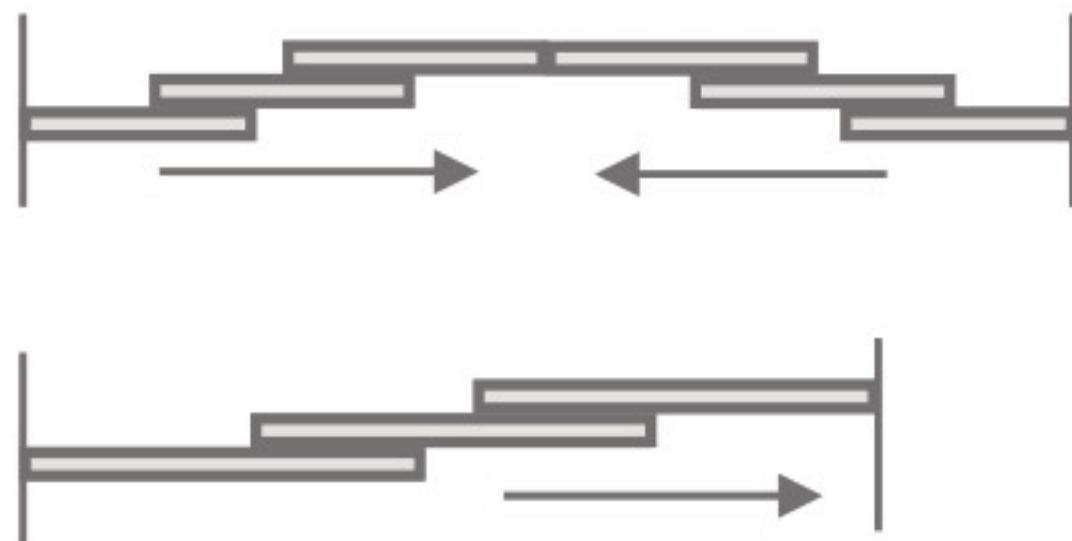
MAX
400KG





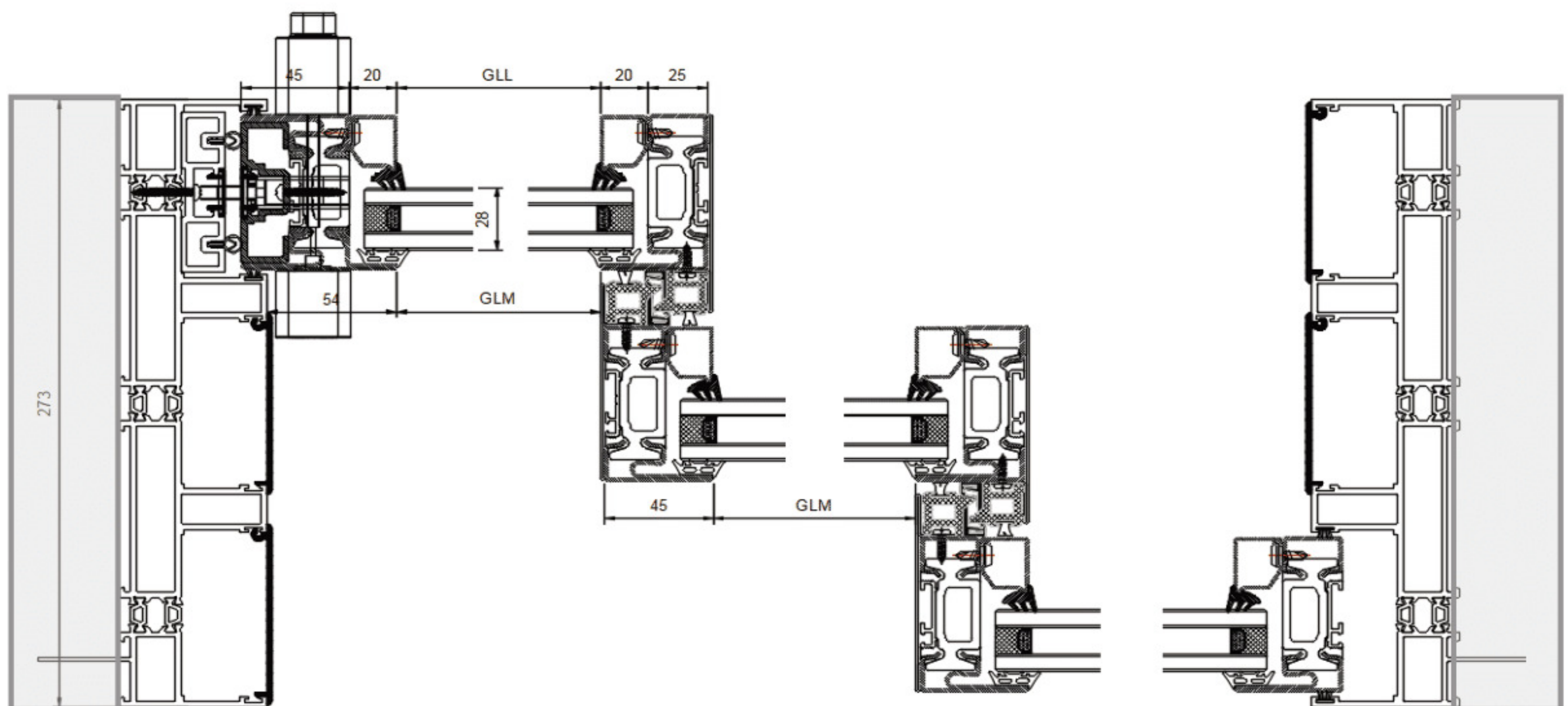
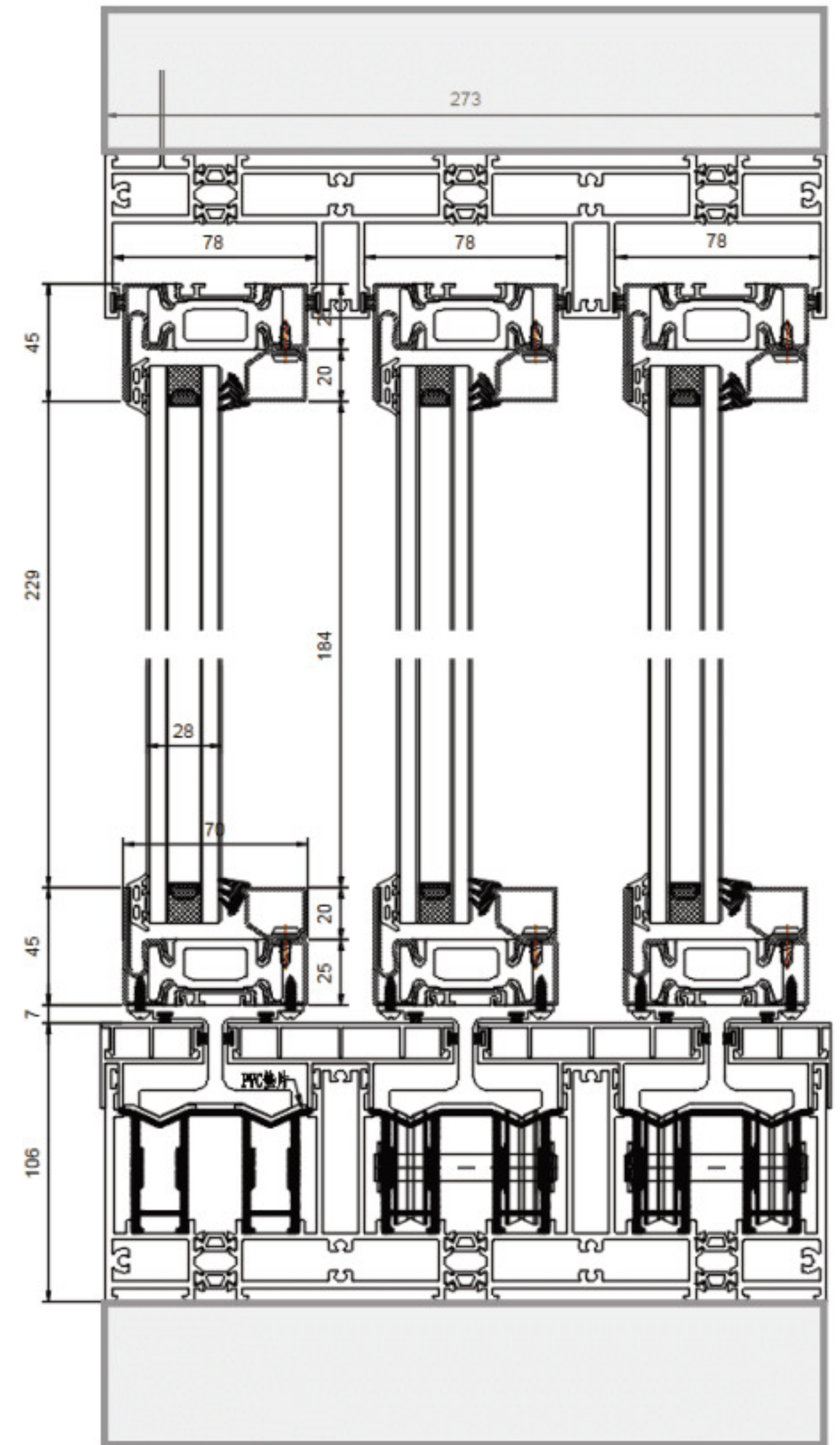
70SD Multi Rail Sliding Door

Multi Rail Sliding

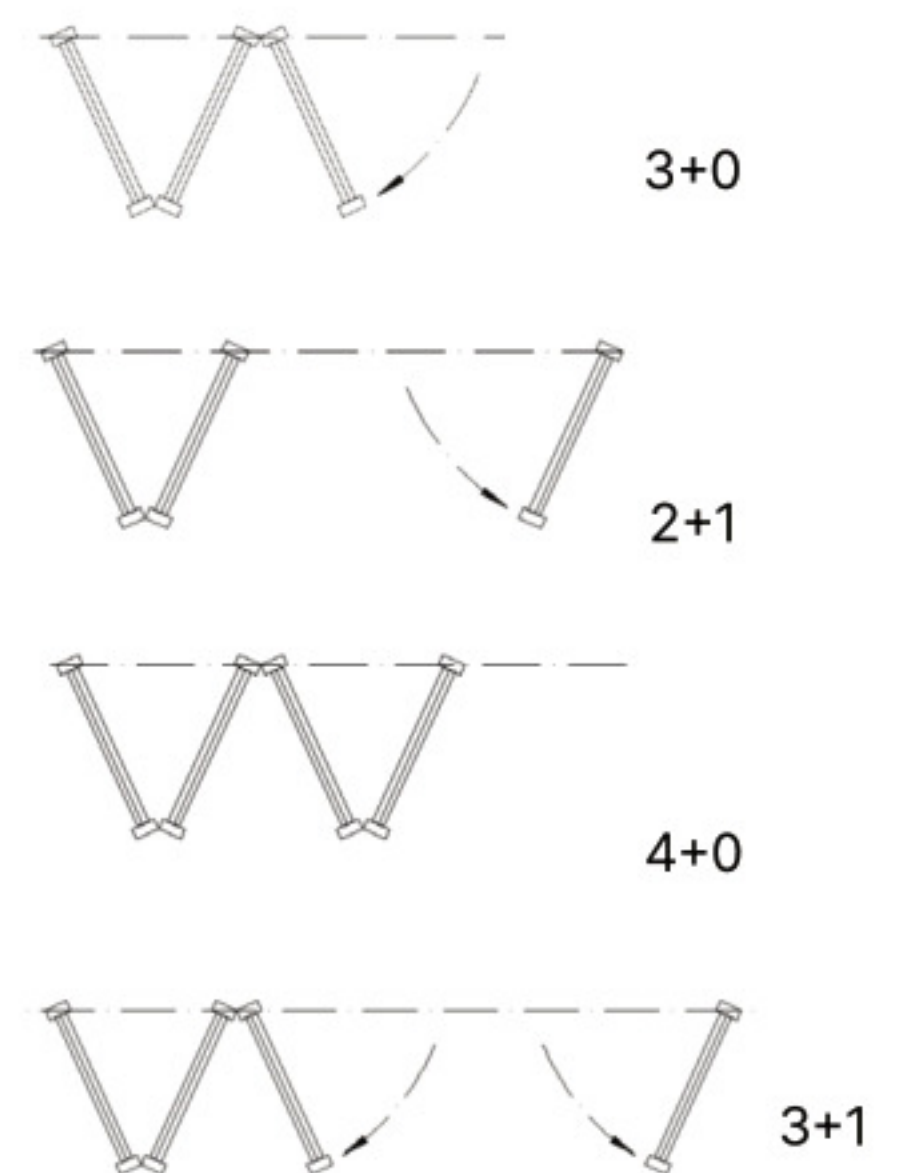
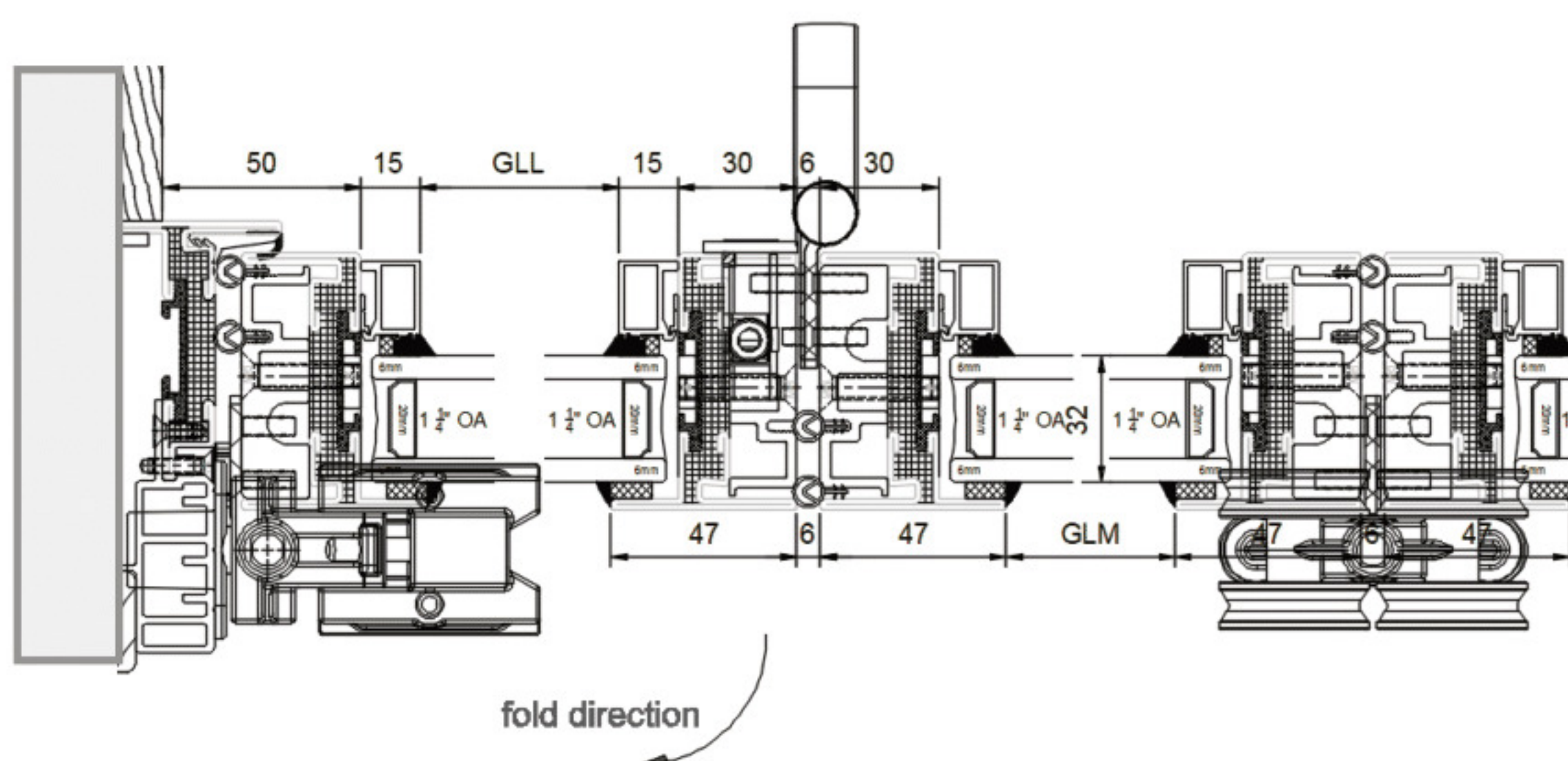
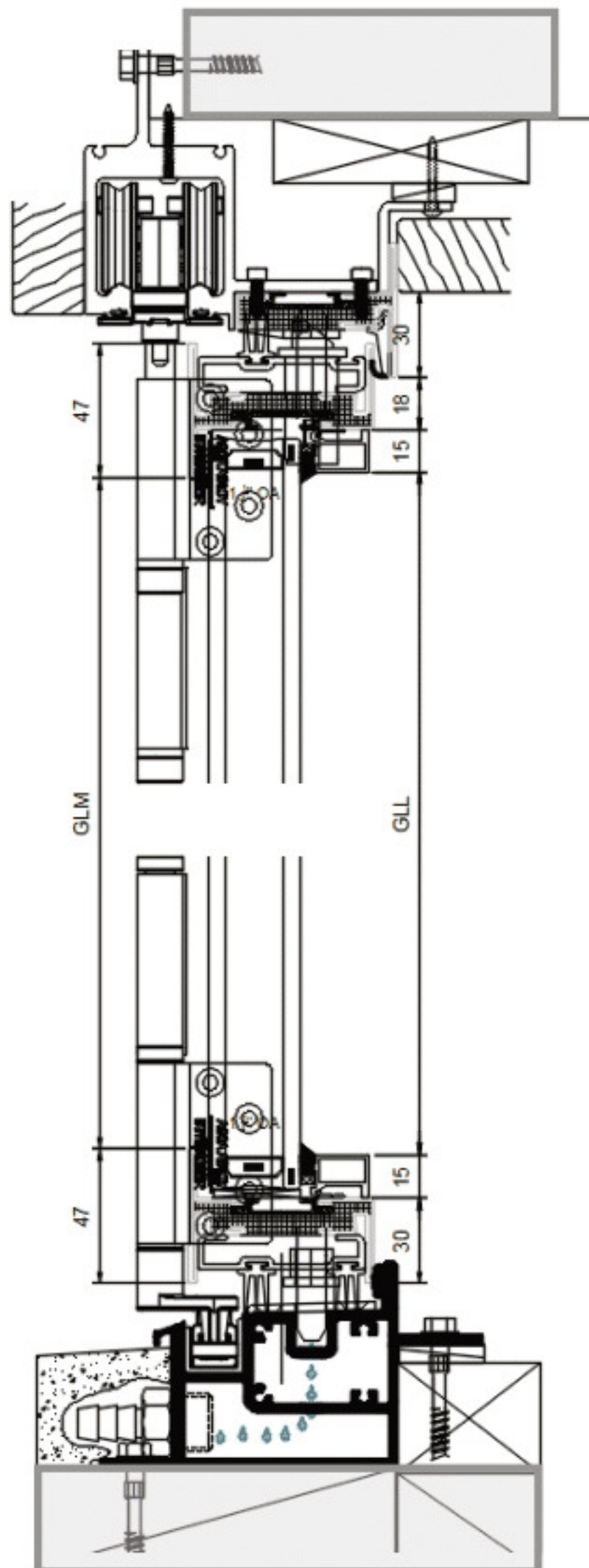


양방향 개폐

일방향 개폐

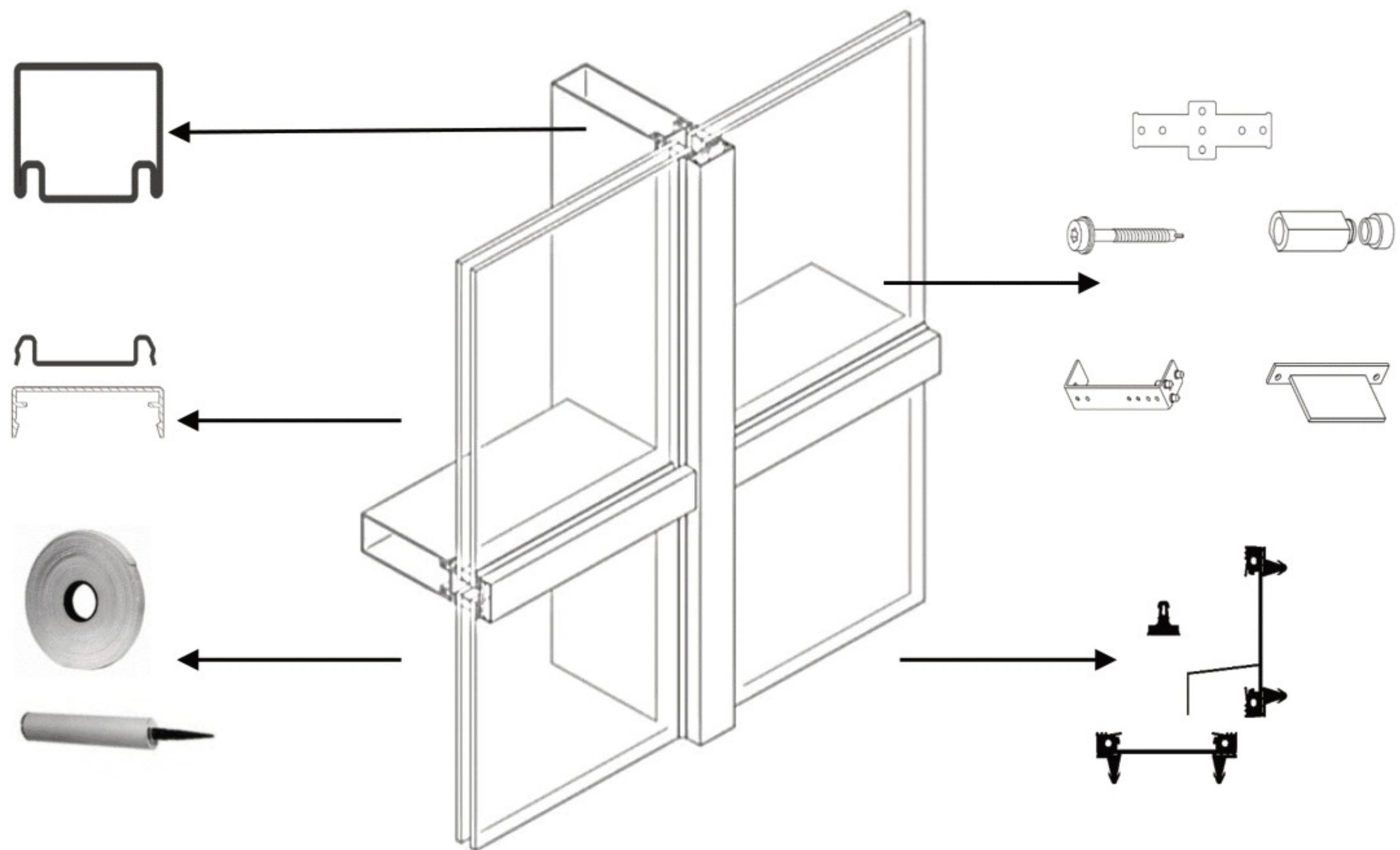


폴딩도어시스템



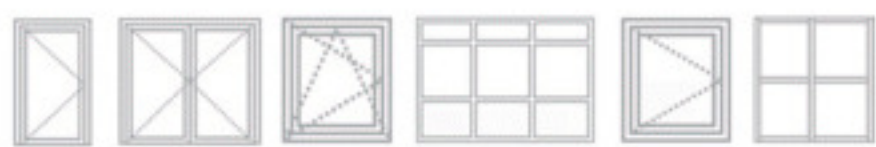


Residential & Commercial - Sunroom

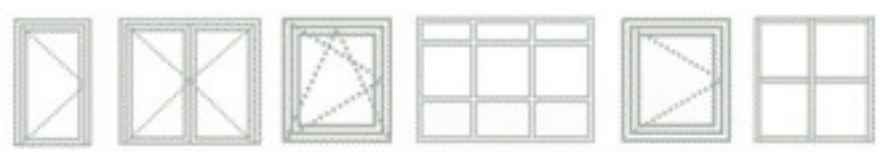


Sunroom/roof curtain wall product structure split diagram

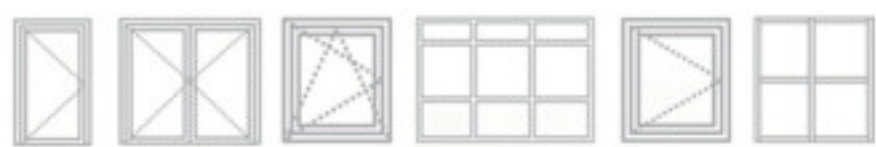




Residential & Commercial - Sunroom

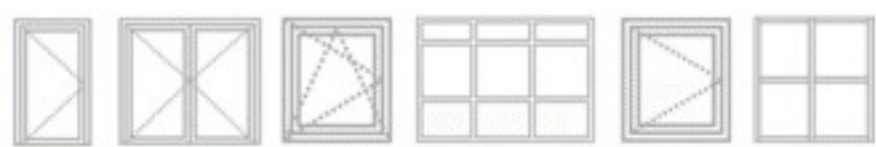


Residential & Commercial - Sunroom



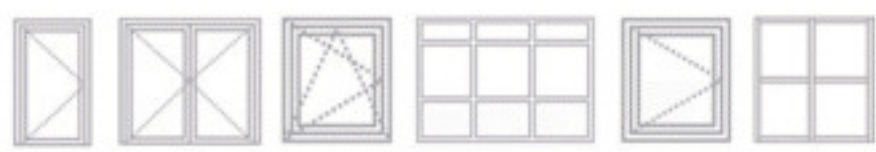
Residential & Commercial-Doors



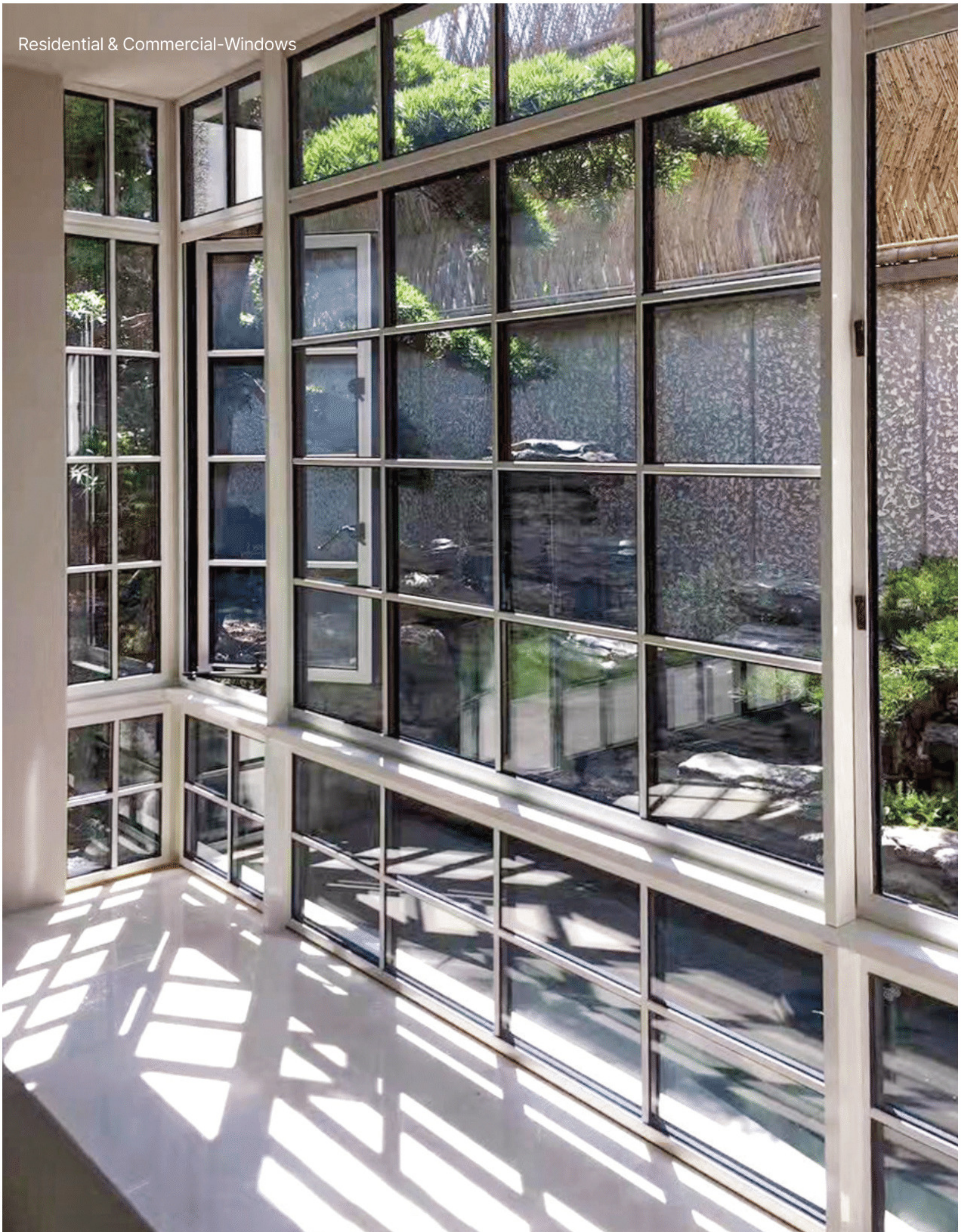


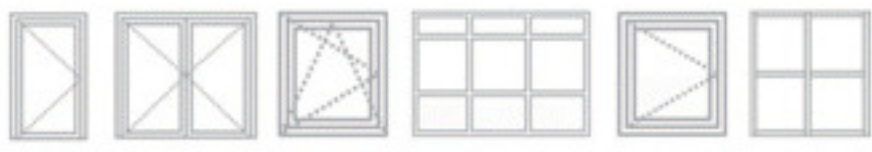
Residential & Commercial Doors



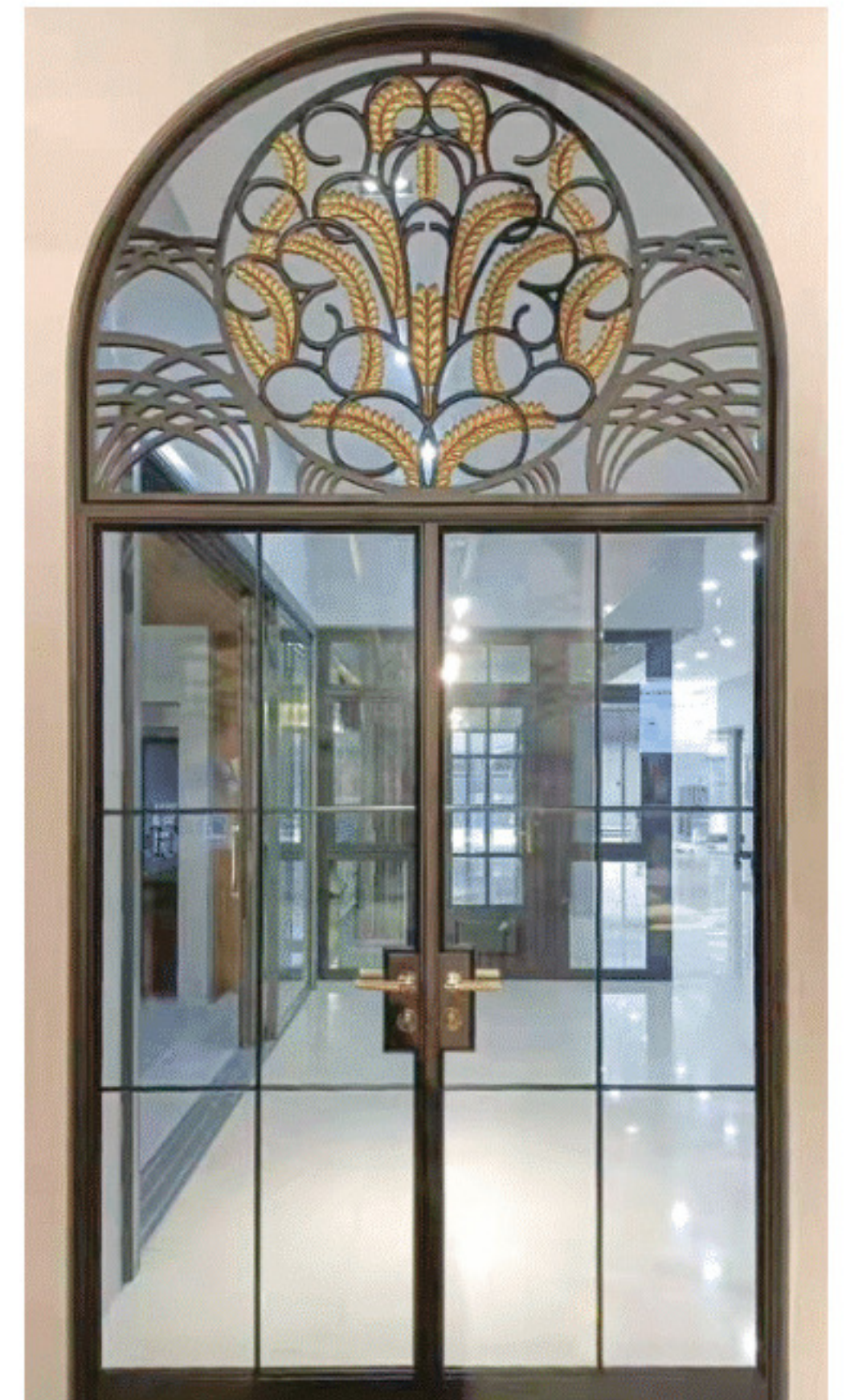


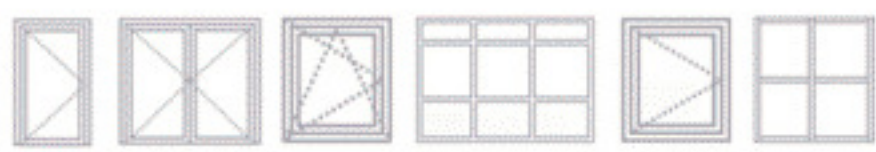
Residential & Commercial-Windows





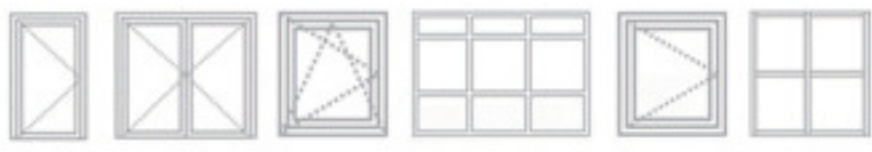
Residential & Commercial-Windows





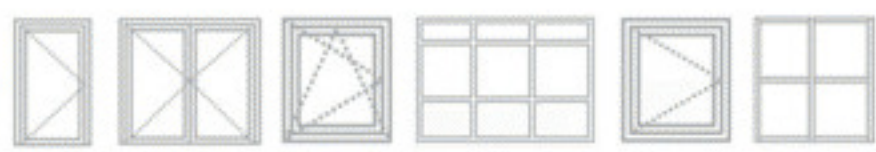
Residential & Commercial-Partitions & Doors





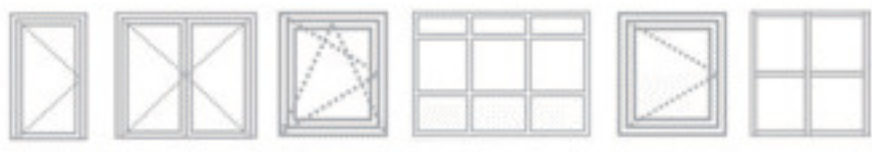
Residential & Commercial-Doors





Residential & Commercial-Windows





Product application scenarios



Civil building

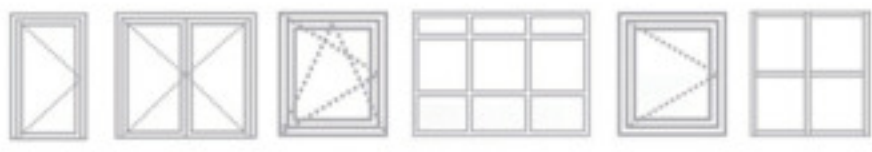
Exhibition

Villa

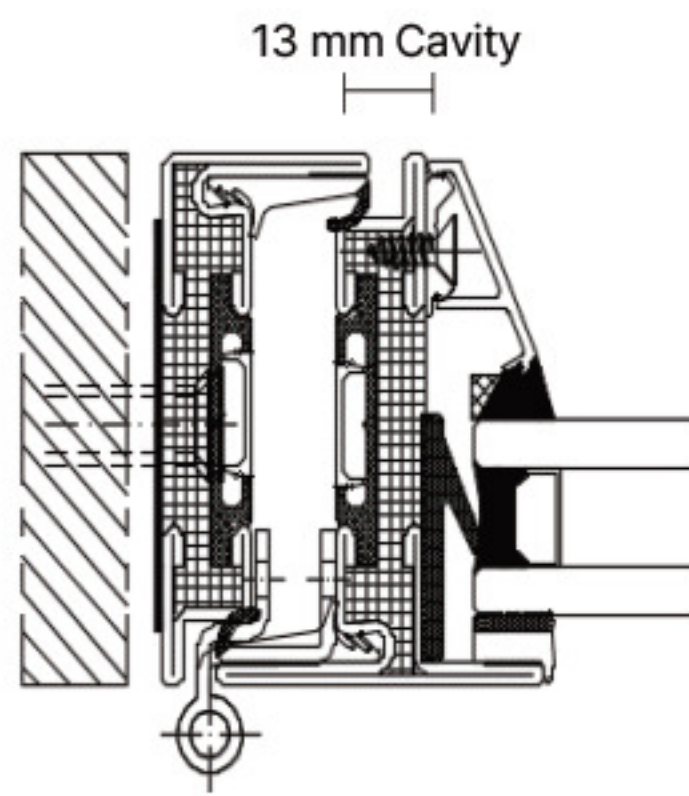
Heritage protection building

Featured indoor partition

Retro architecture



SLIM product feature - Narrow face widths



SLIM 시리즈는 매우 좁은 프레임 폭을 가지고 있으며, 일반적인 "Cavity"는 단 13mm에 불과합니다. 이 미니멀한 프레임 디자인은 채광 면적을 최대한 넓혀주고 시각적 방해를 줄여줍니다. "면"을 "선"으로 만듭니다.

SLIM series has extremely narrow face widths, and its conventional "cavity" is only 13 mm. This minimalist frame design can increase the light-passing area to the maximum extent and reduce visual impairment. Let "face" become "line".



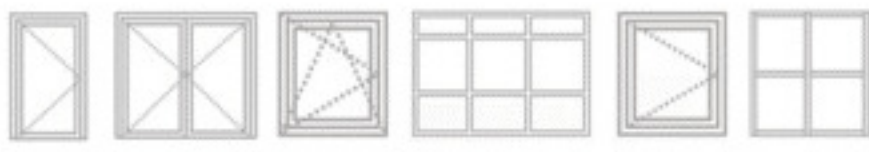


SLIM product feature - Energy-saving and heat-insulating structure

SLIM 시리즈 제품은 냉간 성형 스틸 프로파일과 단열 구조로 설계되었습니다. 두 가지 소재의 구조적 결합은 열 전달 경로를 차단하여 에너지 절약의 목적을 달성할 수 있습니다. Multi-Cavity 에너지 절약 유리와 결합하여 우수한 단열 성능을 갖춘 시스템을 형성함으로써 에너지 효율 등급 기준을 충족할 수 있습니다.

SLIM series products are designed by cold-formed steel profiles and thermally broken structure. The structural combination of two materials can cut (or reduce) the heat transfer path to achieve the purpose of energy conservation. Cooperate with multi-cavity energy-saving glass to form a system with excellent thermal insulation performance to meet the strict national energy-saving requirements.

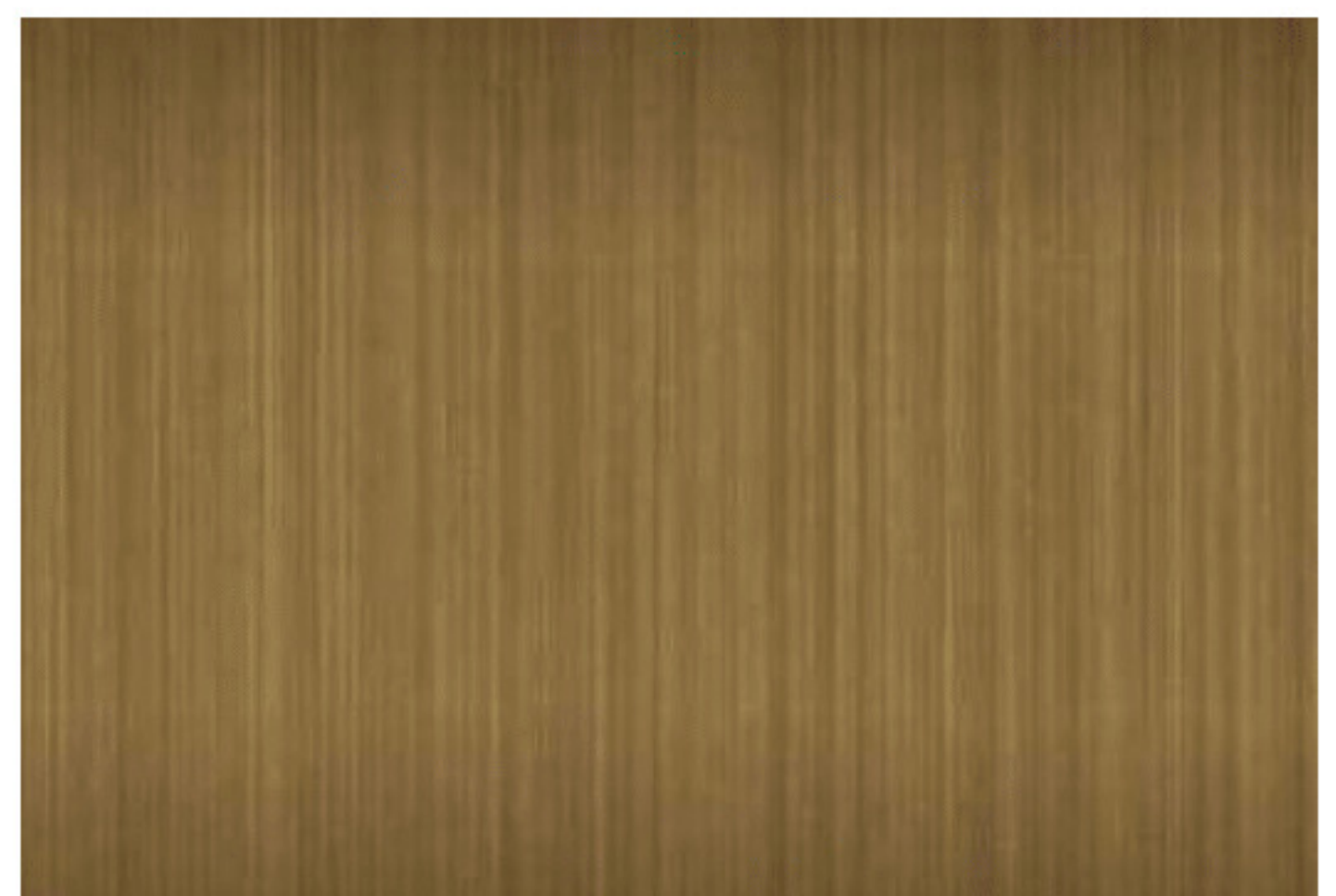
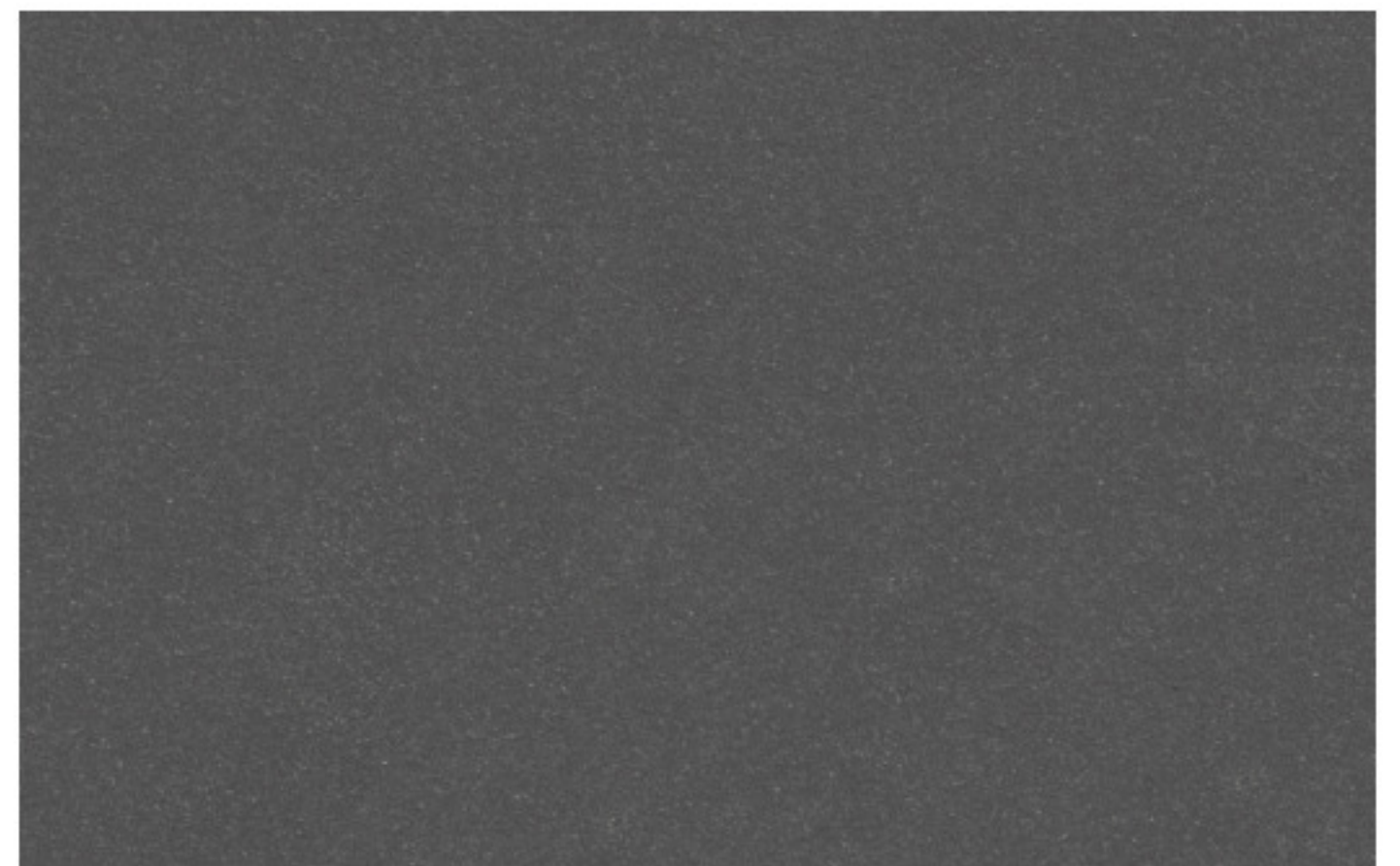


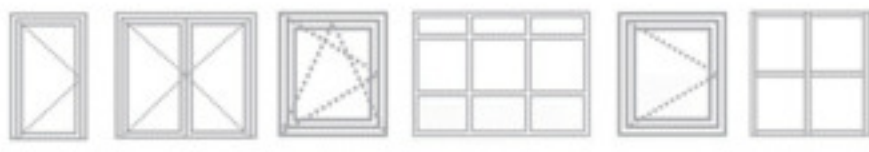


SLIM product feature - Surface Technology Blooms "Color"

SLIM 프로파일은 스틸, 스테인리스 스틸, 황동 세 가지 소재로 제공됩니다. 표면 마감은 일반적으로 플루오르카본 도장(블랙, 그레이) 외에도, 구리 질감, 황동 질감 등 다양한 특수 표면 텍스처로도 제작할 수 있어, 다양한 건축 스타일에 적용할 수 있습니다

SLIM profiles has 3 materials available in steel, stainless steel, brass .Its surface in addition to the commonly fluorocarbon spray black, gray, it can also be made of imitation of copper wire drawing, brass wire drawing and other special surface texture, in order to apply to different architectural styles.





Test Results



Number	Characteristic	Result/ Verdict
1	Air permeability	Class 4
2	Water tightness	Class 9A (600Pa)
3	Wind load resistance	Class C4
4	Thermal transmittance	Uw=1.48

for the products
“SLIM65 window”

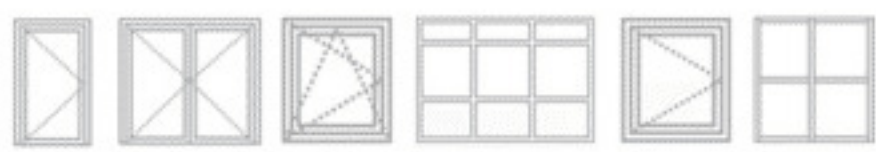
are conducted by the accredited test lab on behalf of TÜV Rheinland Netherland, acting as Notified Body (NB 0336) for the products. The Initial type testing have been finished with positive results as,

Req. Nr.	Characteristic	Result / Verdict
4.2	Resistance to wind load	Class C4 풍압 1600Pa, 변형 1/300이하
4.5	Water tightness	Class 9A 풍압 600Pa, 55분 누수없음
4.12	Thermal transmittance	Uw=1.48 복층유리 기준
4.14	Air permeability	Class 4 압력 600Pa, 통기량 0.75m³/h·m² 이하

* 한국 창호 기밀 성능 기준 1등급은 10Pa 압력에서 통기량 1m³/h·m² 이하입니다.

SLIM-Hardware is recommended



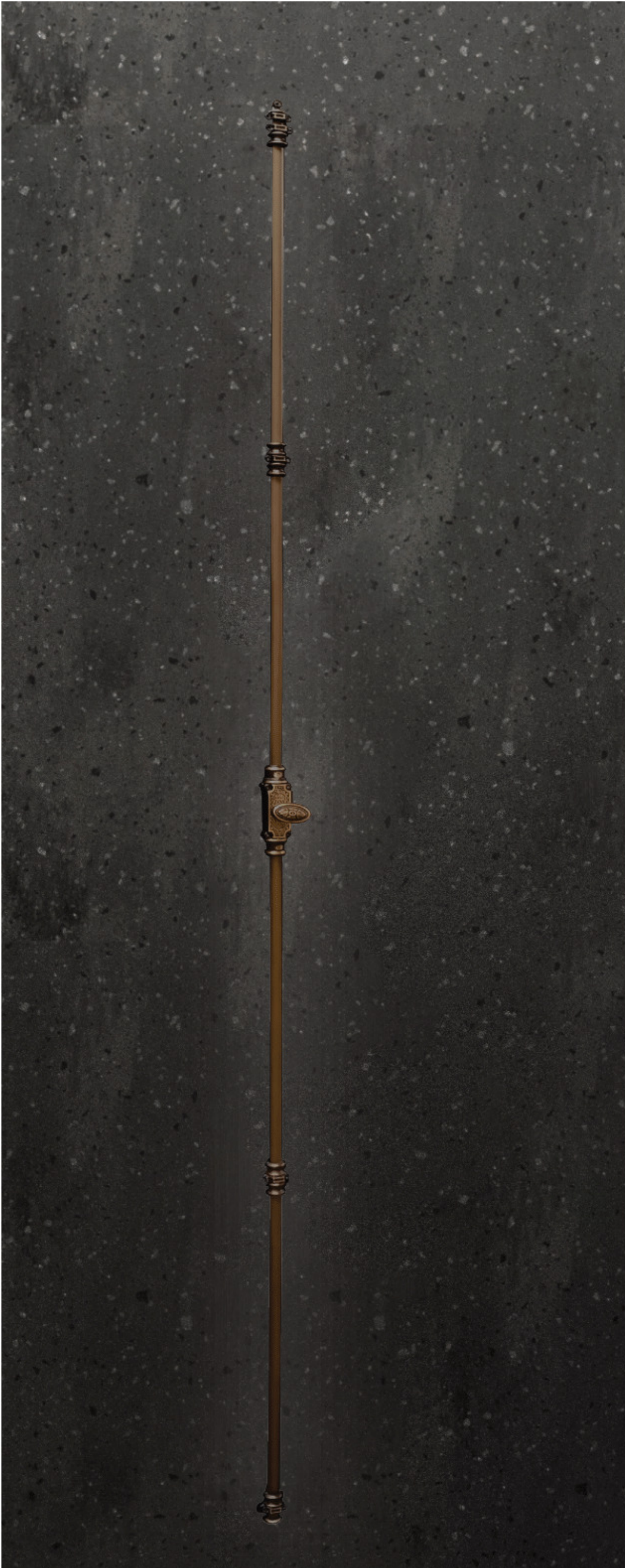
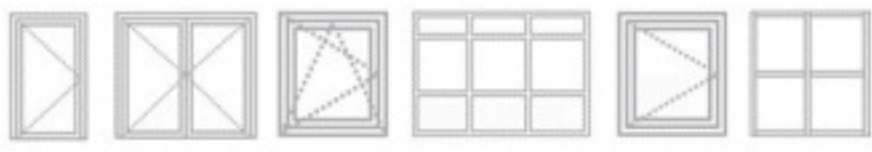


NO. : MY 108/109

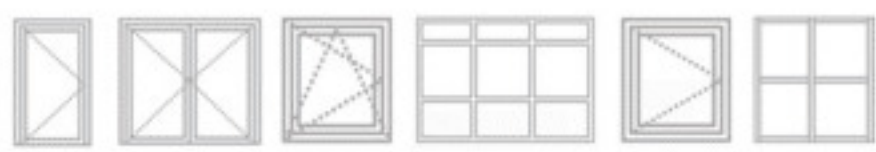
Applicable: SLIM 65

Style: Light the luxury of minimalism

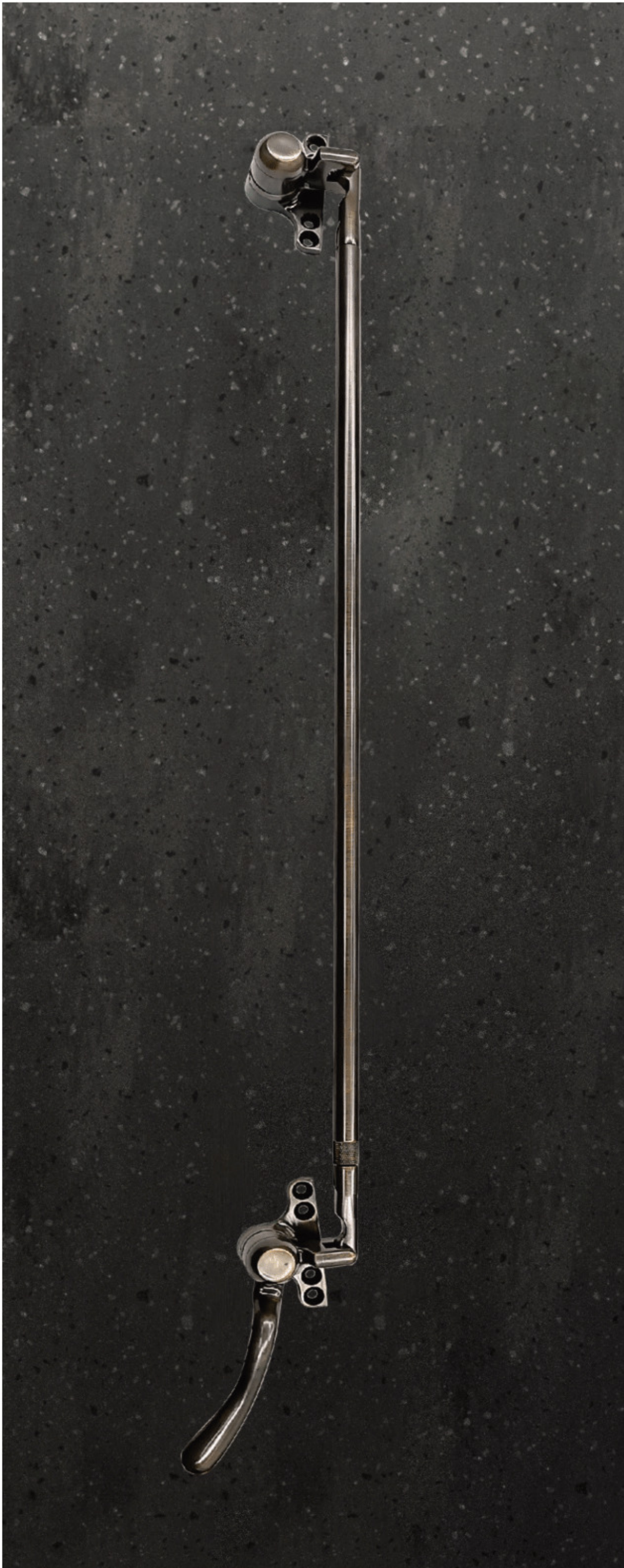
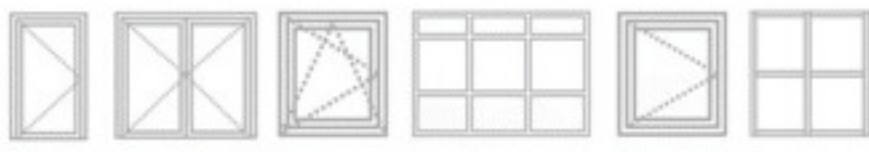
Handle color: Blank black



NO. : MY 004/005
Applicable : SLIM 65
Opening: swing-in
Style: classic vintage
Handle color: antique brass



NO. : MY 009/010
Applicable: SLIM 65
Style: classic vintage
Handle color: gilding brass



1



2



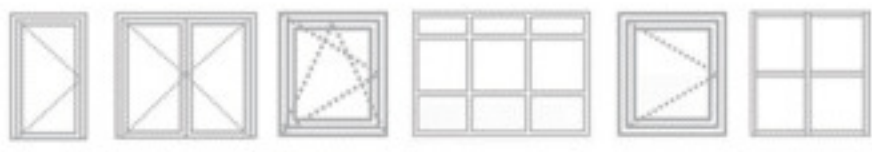
3

NO. : ① MY 018 ② MY 036
③ MY 016/017 and MY 020/021/022

Applicable: SLIM 65

Style: classic vintage

Handle color: antique brass



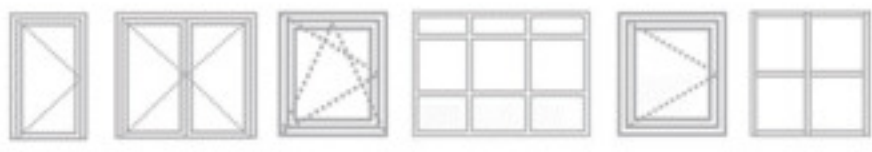
NO. : ① MY 023/024 and MY 028/029/030

② MY 034 ③ MY 035

Applicable: SLIM 65

Style: classic vintage

Handle color: antique brass



1

2



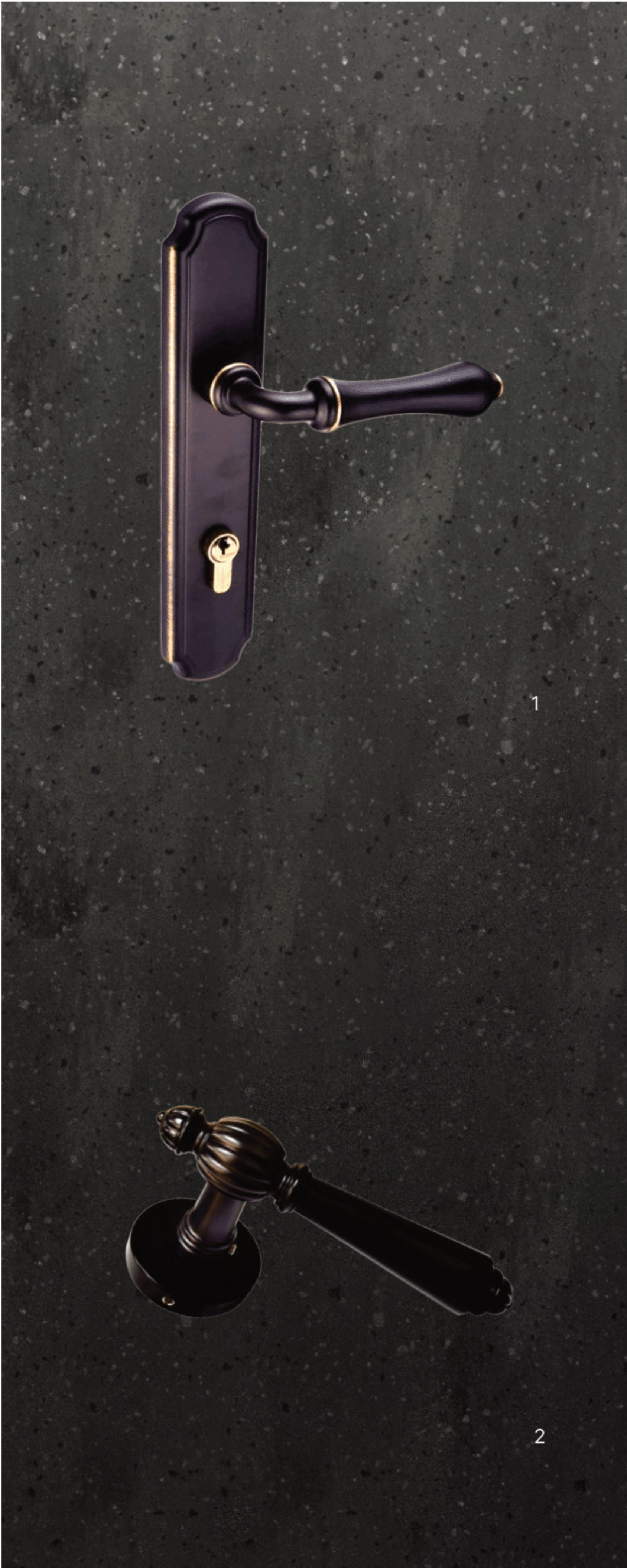
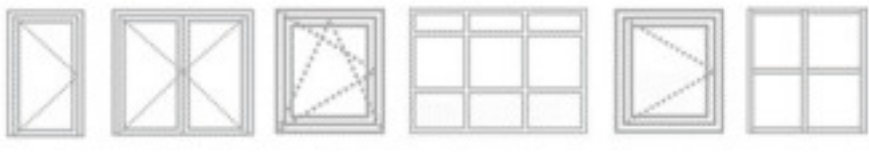
3

NO. : ① MY 082 ② MY 087/088 ③ MY 107

Applicable : SLIM 65

Style: minimalist and light luxury

Handle color: ①stainless steel ②black ③Gold black



NO. : ① MY 089/090 ② MY 106 ③ MY 105

Applicable: SLIM 65 steel door system

Style: classic vintage

Handle color: ①antique ②antique ③fantastic black

[illegible]

TH P&C

SHOWROOM : 서울 강남구 학동로 215 (논현동) 2층

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plus ultra
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