

ah!60

ah!60

introduction

ah!60 is a groundbreaking exterior opening system with unmatched thermal and acoustic performance (up to Minergie-P and Passivhaus), ideal for very cold climates. It also stands out as an intrusion prevention solution for high demanding security specifications (RC4/WK4). It offers great flexibility in the modular composition of openings, including opening corner solutions, pocket sliding configurations, curved layouts, tilted spans and retractable mosquito nets. The alternatives come in a wide range of formats such as sliding and vertical sliding opening units. It allows for the introduction of a wide range of accessories, including heated glass, and it can be completely automated. ah!60 is a system that allows double glazed surface areas of up to 29m², or triple glazed of up to 19m². Both options use 20mm vertical profiles.

Le ah!60 est un système de porte fenêtre coulissante extérieure offrant une performance thermique et acoustique inégalée (Minergie-P et Passivhaus). Il est idéal pour les climats très froids ou pour des solutions de sécurité extrêmes contre l'intrusion (RC4/WK4). Le ah!60 offre une grande flexibilité pour la composition modulaire des ouvertures : ouverture d'angle, coulissante dans galandage, baies coulissantes courbes, baies inclinées, inclusion de moustiquaire rétractable, ainsi qu'une complémentarité typologique qui elle inclue : ouverture coulissante et guillotine. Ce système permet l'inclusion d'une large gamme de compléments, notamment l'inclusion de verre chauffant, et il peut être complètement automatisé. Le ah!60 permet d'obtenir des fenêtres minimalistes avec une surface allant jusqu'à 29m² en double vitrage ou jusqu'à 19m² en triple vitrage, avec des profils verticaux de 20mm pour les deux options.

sliding system

	fixed	sliding	invisible	pocket	corner	curved	vertical
monorail	•			•	•	•	
birail	•	•	•	•	•	•	•
multirail	•	•	•	•	•	•	•

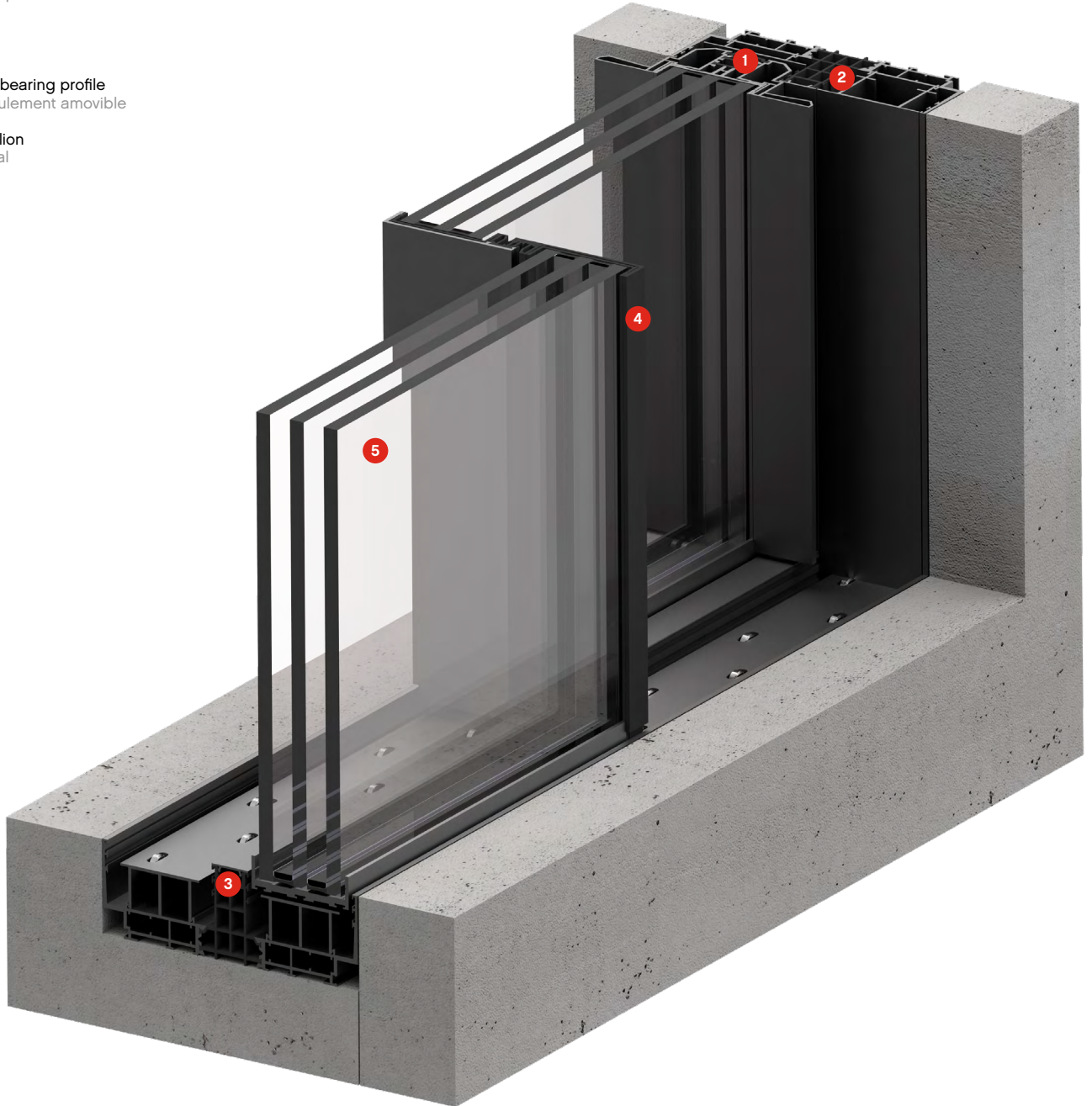
main dimensions up to

vertical profile profil vertical	20mm	
max. leaf height hauteur max. du vitrage	9000mm	
max. leaf width longueur max. du vitrage	9000mm	
max. weight poids max.	up to 2.000kg / glass panel	
max. glazed area surface max. du vitrage	double glazing double vitrage	up to 29m ²
	triple glazing triple vitrage	up to 19m ²
glass thickness épaisseur du vitrage	60mm	

performance up to

light transmission transmission lumineuse	up to 98%
thermal coefficient coefficient thermique	Uw = 0.708W/m ² .K (Ug = 0.41W/m ² .K)
security sécurité	RC4 / WK4
sound insulation indice d'affaiblissement acoustique	44dB
water tightness résistance à l'eau	Class E900
air tightness résistance à l'air	Class 4
wind tightness résistance au vent	Class C5

- 1 main frame
cadre principal
- 2 polyamide
polyamide
- 3 removable bearing profile
profil de roulement amovible
- 4 central mullion
profil central
- 5 glass
vitrage



MINERGIE-P®
 Mehr Lebensqualität, tiefer Energieverbrauch
 Meilleure qualité de vie, faible consommation d'énergie

construction

finishes finitions

All **panoramah!**® System series guarantee that the following finishes are carried out by duly certified entities, according to QUALICOAT and QUALANOD directives: Lacquered RAL, Lacquered PVDS, Anodized, Satin, Polished and Repellent. Tous les traitements de surface **panoramah!**® sont certifiés selon les directives QUALICOAT et QUALANOD: Laquage RAL ou PVDS, anodisation naturelle ou couleur, satinée, polie ou brossée.

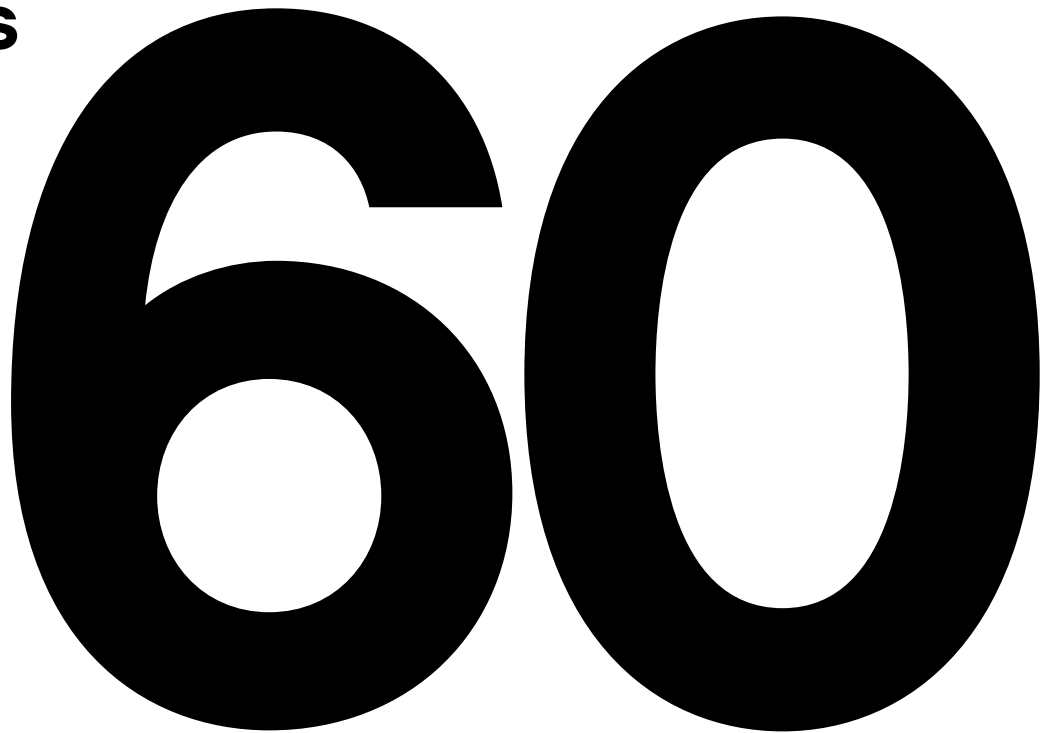
add-ons add-ons

Insect screens / heated glass / intrusion detectors / balustrade / soft close
 Moustiquaires / vitrage chauffé / détecteurs d'intrusion / garde-corps / fermeture amortie

motorisation automatisation

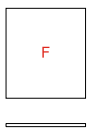
Our motorisation system can be adapted to all sliding or opening systems allowing a full integration with minimum interference in architectural design with a simplified and very quiet opening. Notre système de motorisation peut être adapté à tous les systèmes coulissants ou ouvrants, permettant une intégration complète avec un minimum d'interférences dans la conception architecturale avec une ouverture simplifiée et très silencieuse.

typologies

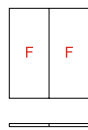


horizontal sliding system > monorail

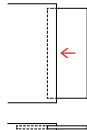
fixed panel



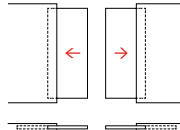
double fixed panel



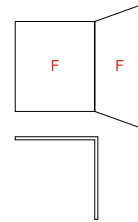
pocket



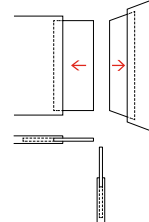
double pocket



fixed corner

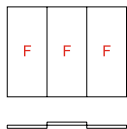


sliding corner + pocket



horizontal sliding system > birail

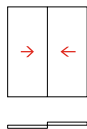
multiple fixed panels



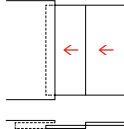
fixed + sliding



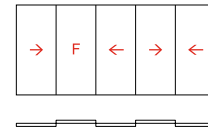
double sliding



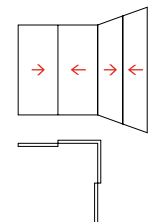
double pocket



sliding + fixed + multiple sliding

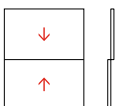


multiple sliding corner [out]

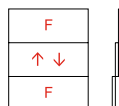


vertical sliding system > birail

double sliding



fixed + sliding + fixed

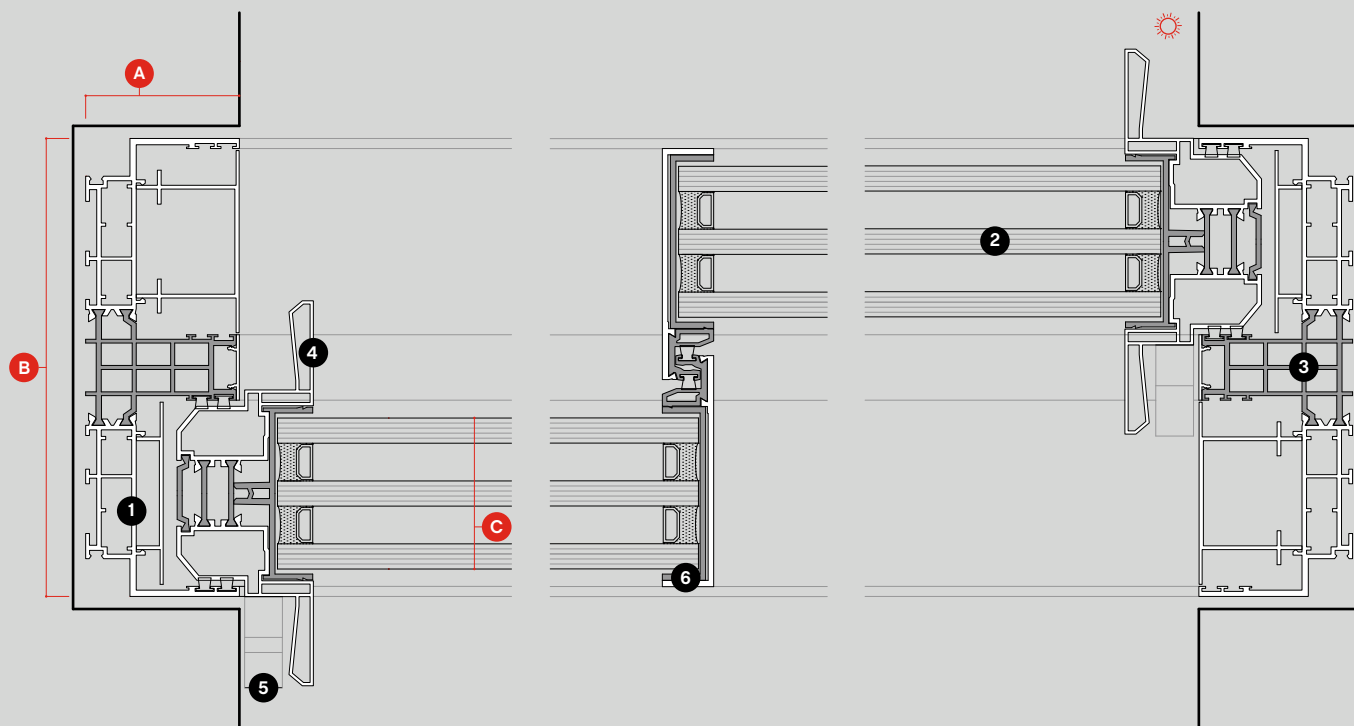


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sliding birail common sections | birail coulissant sections communes

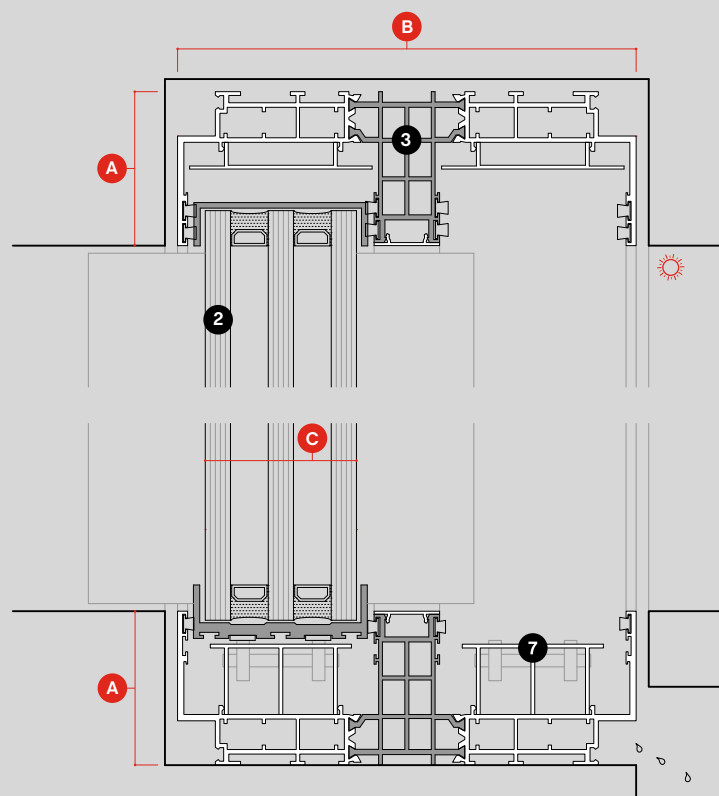
1:3

scale / échelle



dimensions and main components

- A** 61mm
- B** 182mm
- C** 60mm



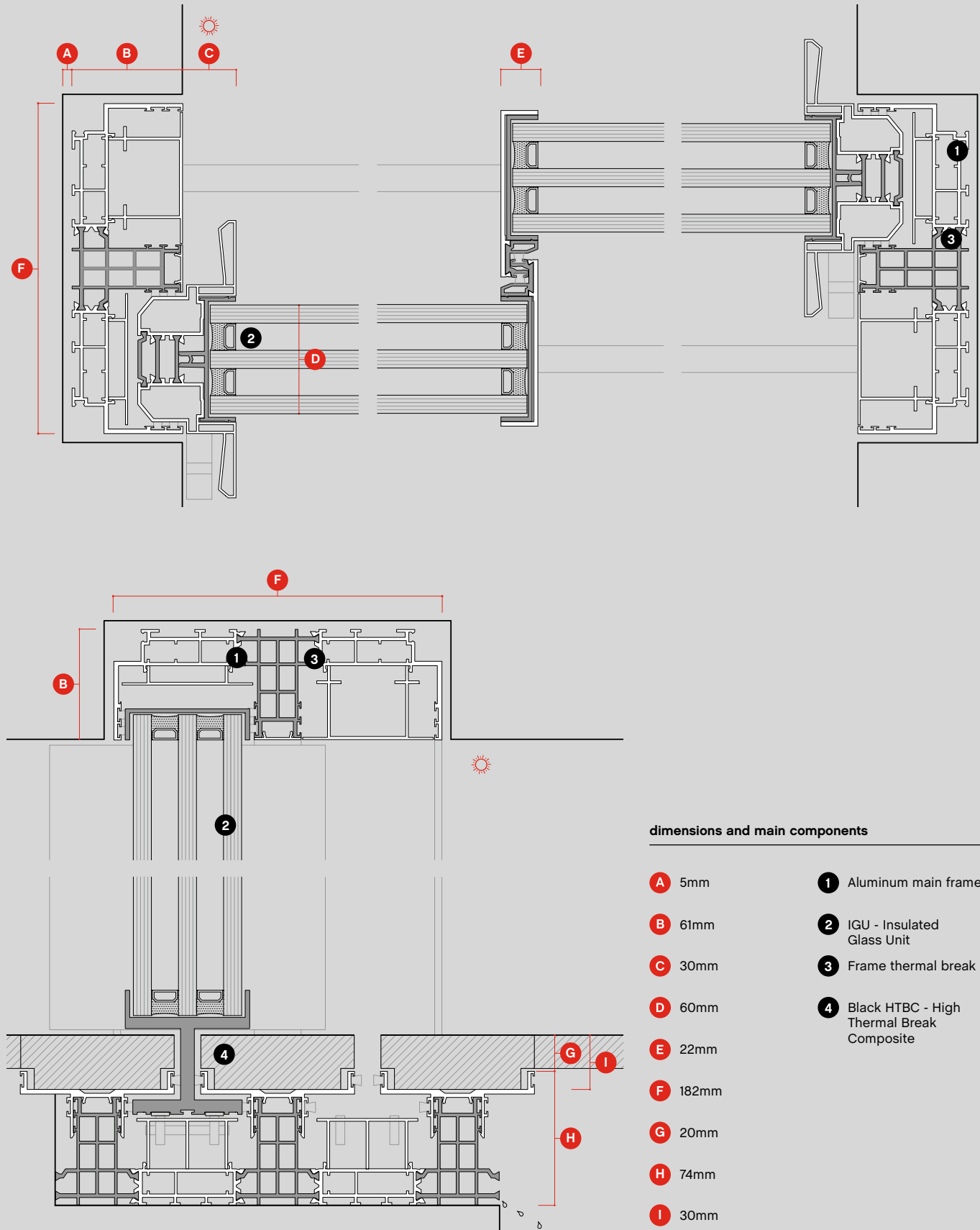
- 1** main frame
cadre principal
- 2** glass
vitrage
- 3** polyamide
polyamide
- 4** handle
poignée
- 5** multipoint locking system
serrure multipoints
- 6** central mullion
profil central
- 7** removable bearing profile
profil de roulement amovible

ah!60

invisible frame common sections | invisible frame sections communes

1:3

scale / échelle

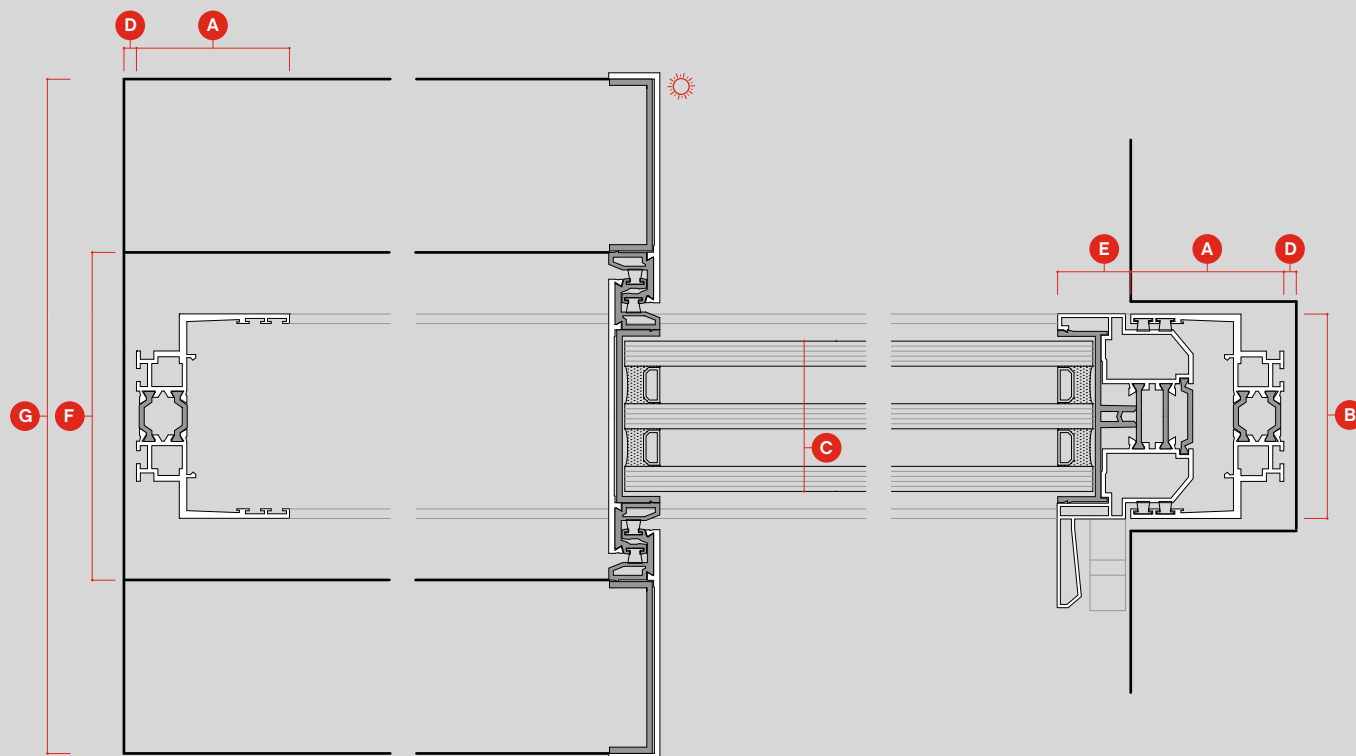


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pocket common sections | galandage sections communes

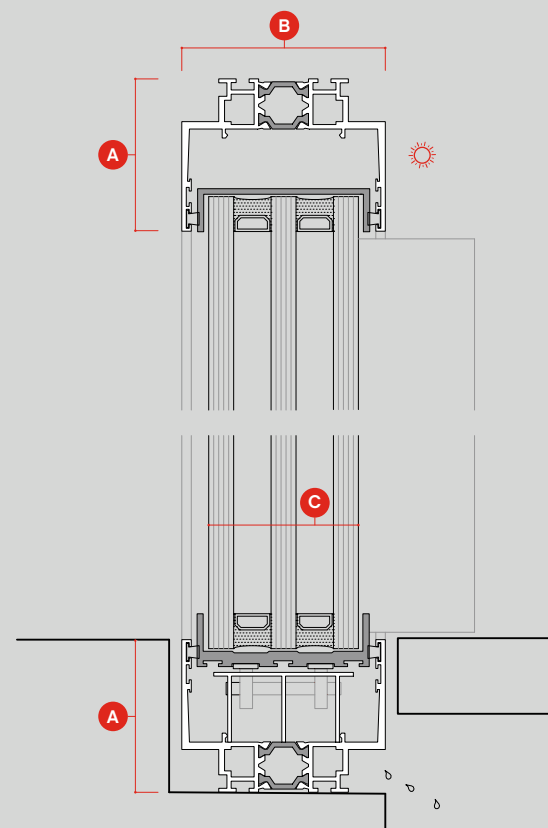
1:3

scale / échelle



dimensions

A 61mm	E 29mm
B 82mm	F 136mm
C 60mm	G 269mm
D 5mm	



pocket galandage

Opening configuration that allows for a complete recessing of the window's moving panels into a wall, ceiling or floor creating the experience of a full flowing space.

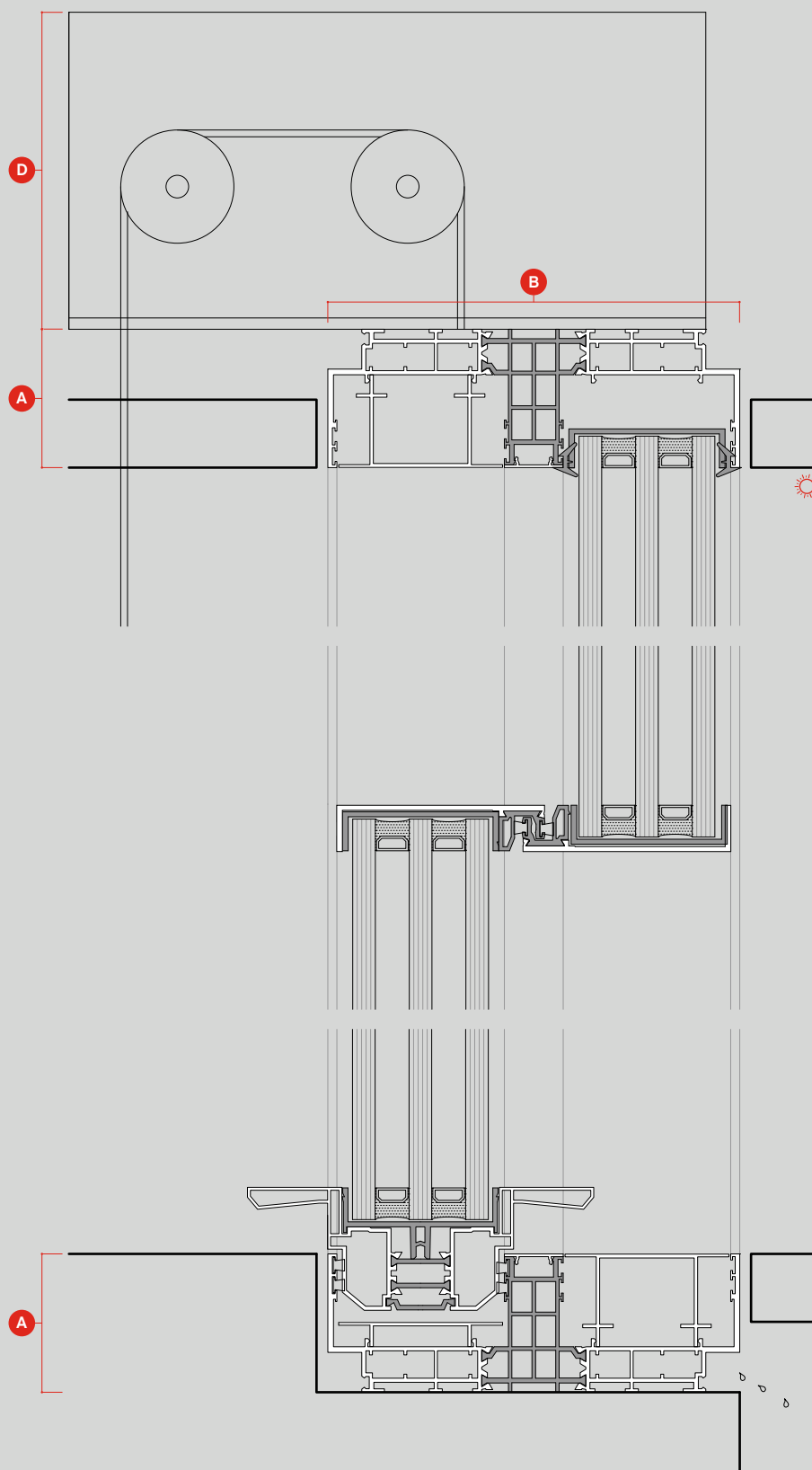
Il s'agit d'un système qui permet l'ouverture de la baie vers l'intérieur du mur, du sol ou du plafond et la dissimulation totale des cadres mobiles de la fenêtre, créant l'illusion d'un espace complètement ouvert.

ah!60

vertical sliding common sections | guillotine sections communes

1:3

scale / échelle

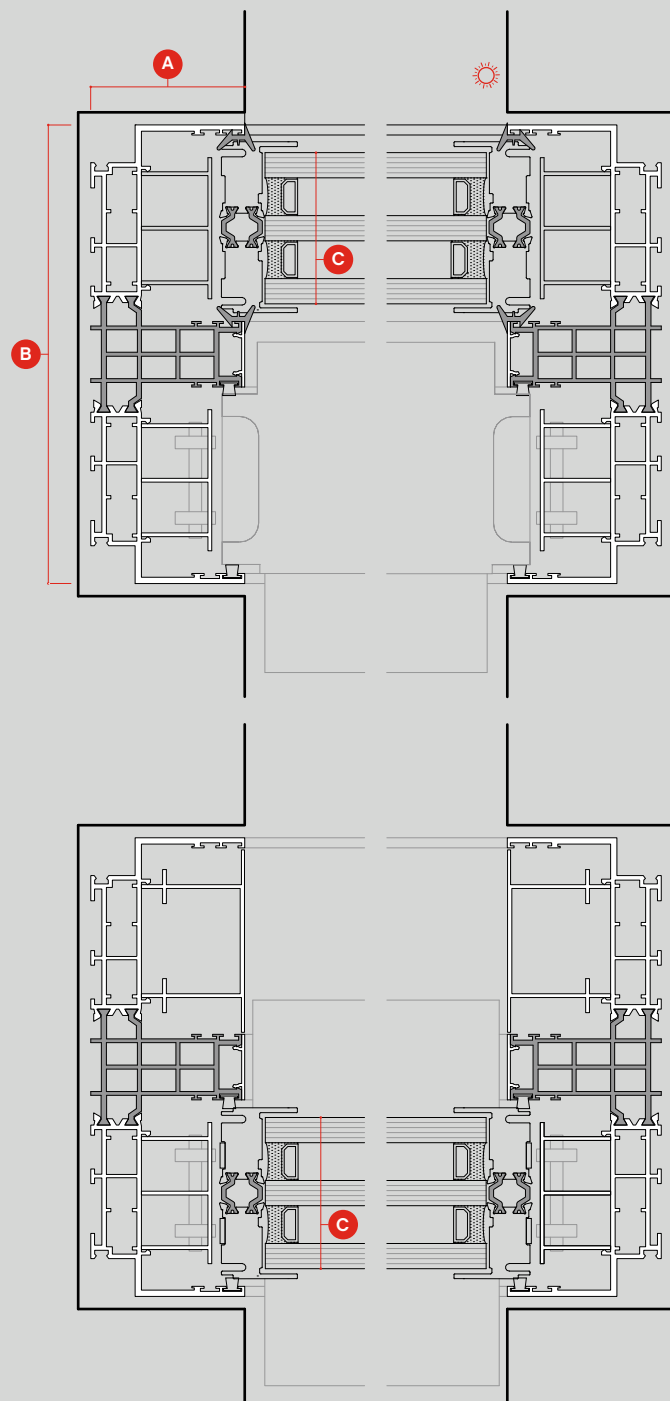


ah!60

vertical sliding common sections | guillotine sections communes

1:3

scale / échelle



dimensions

- | | |
|----------------|----------------|
| A 61mm | C 60mm |
| B 182mm | D 150mm |

vertical sliding guillotine

This opening system operates by connecting two or more vertical sliding glass panes through an internal counterweight system. Perfectly balanced the glass panes move effortlessly in opposite directions and are freed to cover large surface areas. This allows the use of horizontal aluminium profiles with reduced dimensions and a manual or motorised operation of very large units.

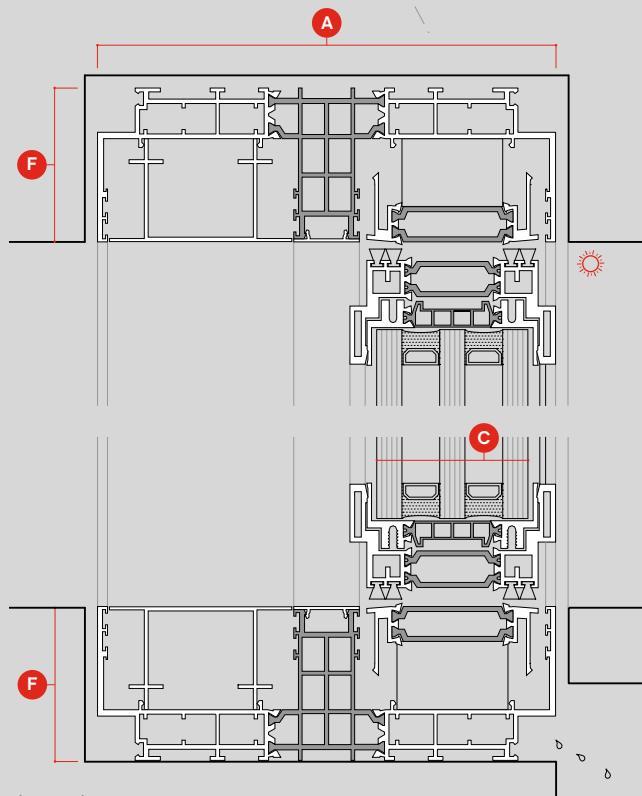
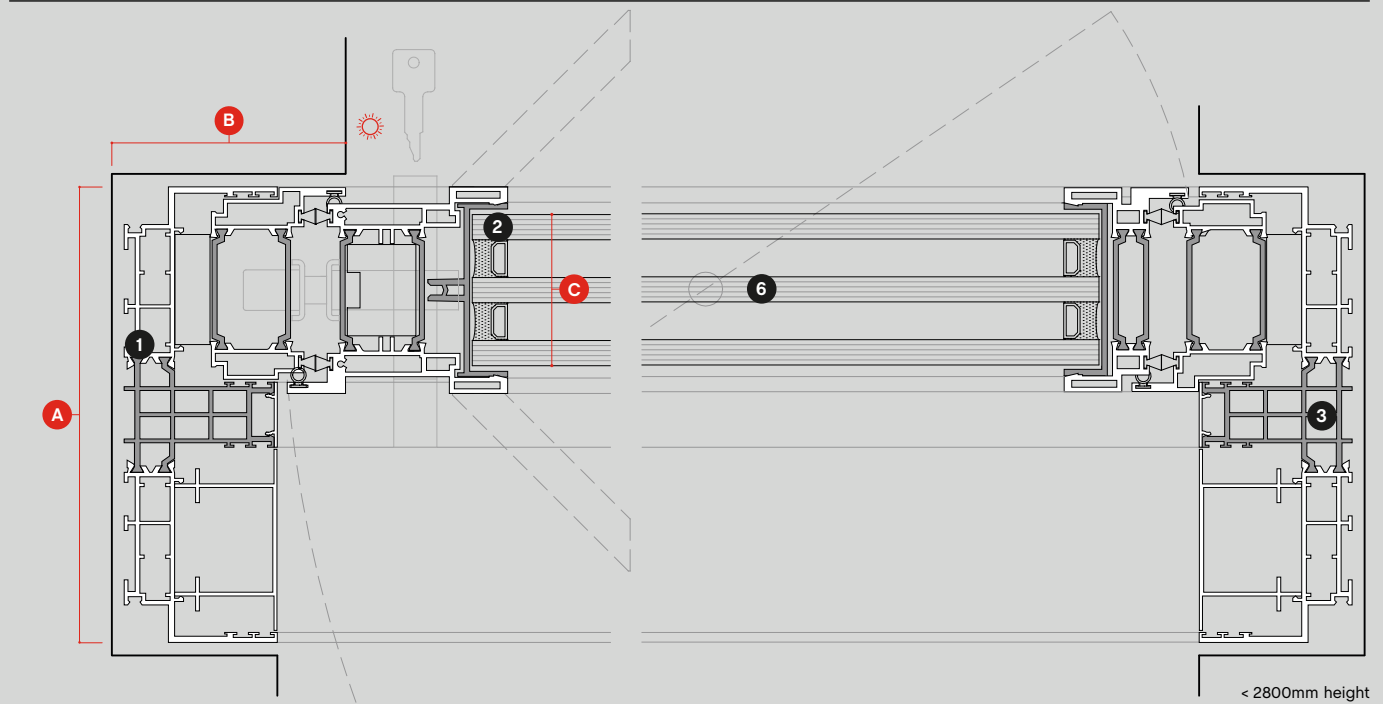
Système d'ouverture dont le fonctionnement se fait par le biais de contrepois entre vitres, où les panneaux vitrés se déplacent sans effort dans des directions opposées, permettant la réalisation de grandes surfaces vitrées avec une utilisation de profils horizontaux en aluminium aux dimensions réduites et une opération manuelle ou motorisée de très grandes unités.

ah!60

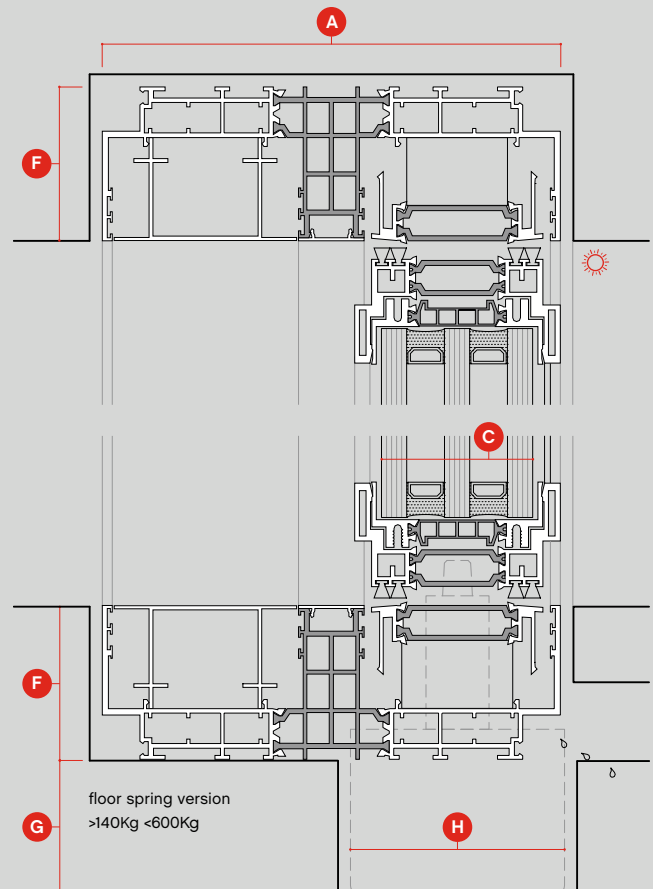
pivot common sections, manual lock | pivot sections communes, serrure manuelle

1:3

scale / échelle



pivot version
<140Kg



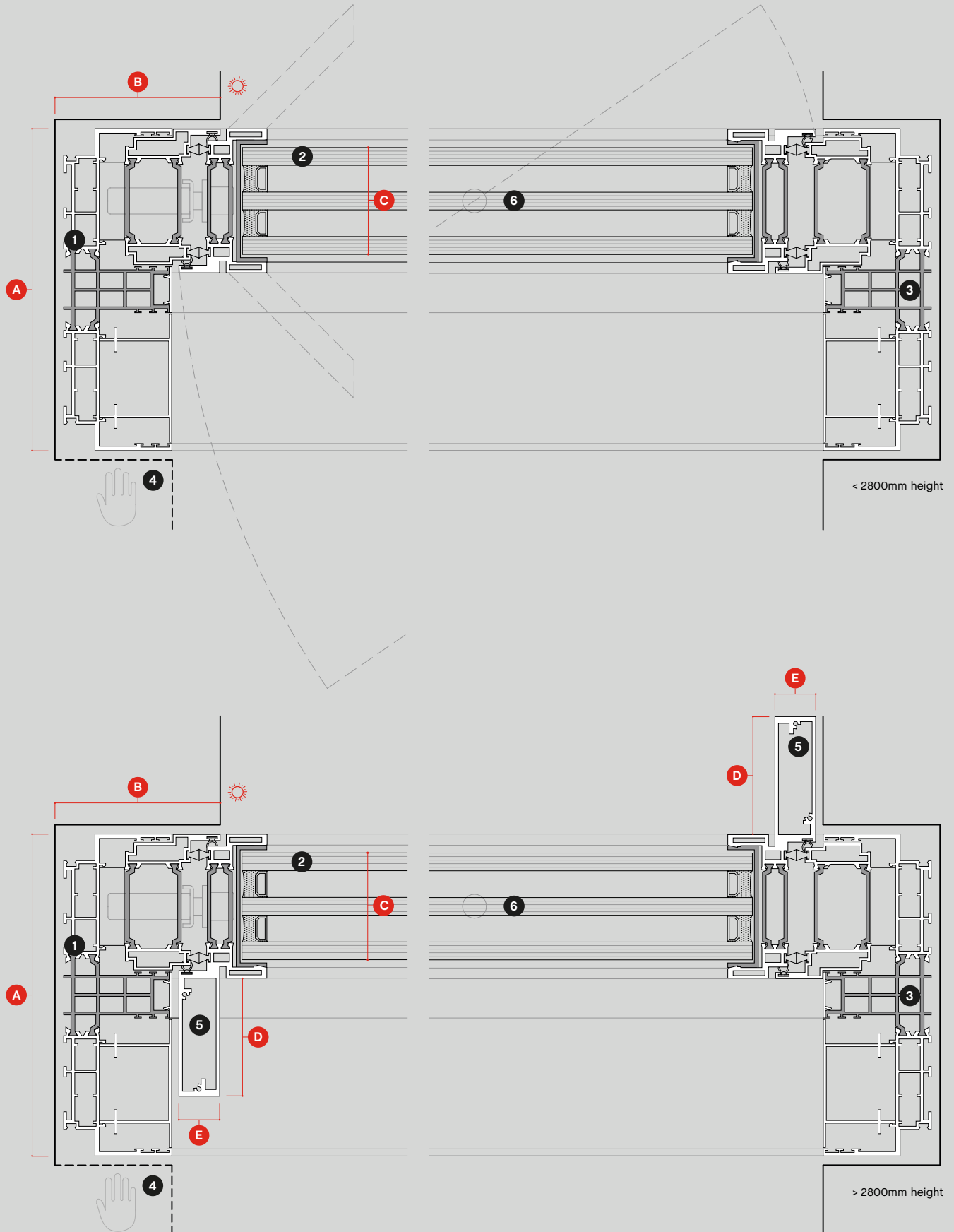
floor spring version
>140Kg <600Kg

ah!60

pivot common sections, motorized lock | pivot sections communes, serrure motorisée

1:3

scale / échelle

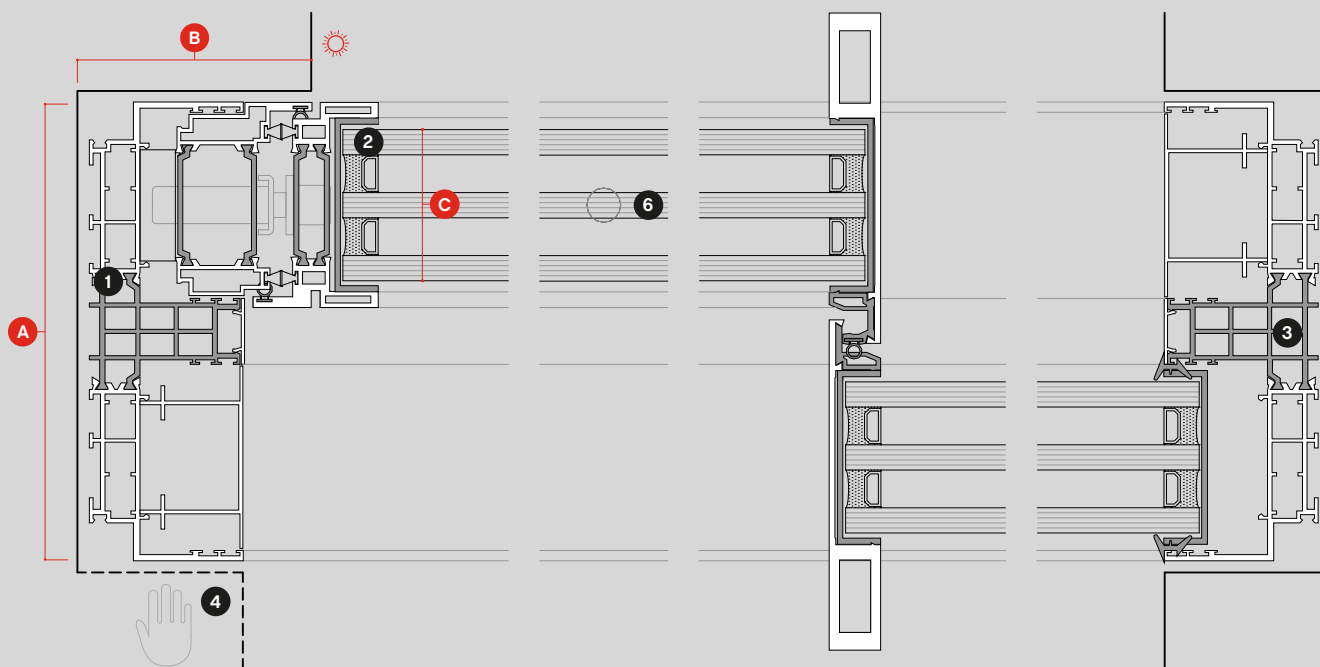


ah!60 Pivot

pivot common sections, motorized lock | pivot sections communes, serrure motorisée

1:3

scale / échelle

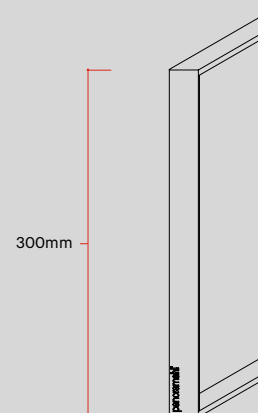


dimensions

A 182mm	1 main frame
B 88mm	2 glass
C 60mm	3 polyamide
D 67mm	4 accessible area
E 23mm	5 reinforced profile
F 61mm	6 pivot or floor spring
G 53mm	
H 85mm	

handle

finishes: stainless steel and lacquered steel

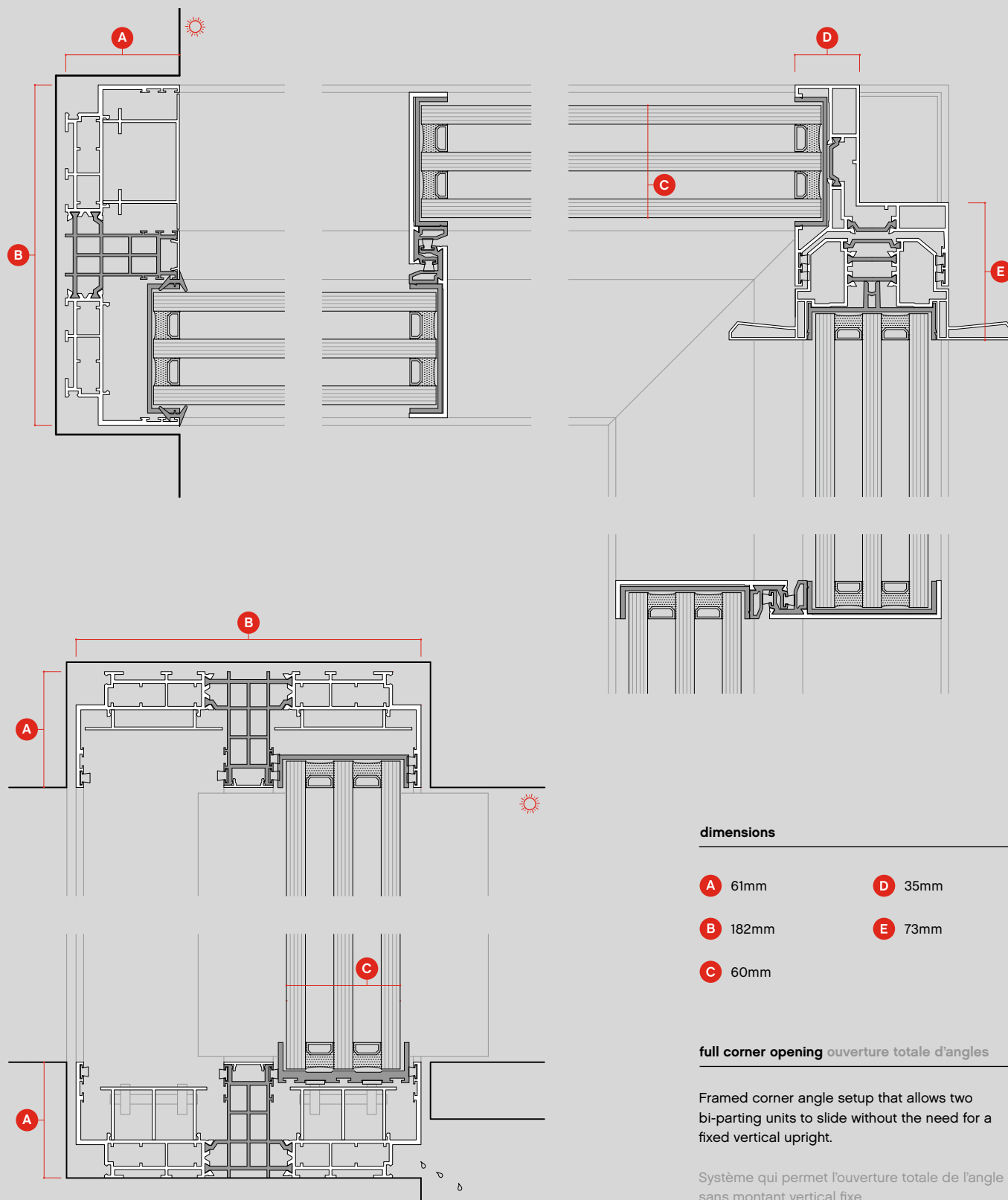


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corner common sections | angle coulissant sections communes

1:3

scale / échelle

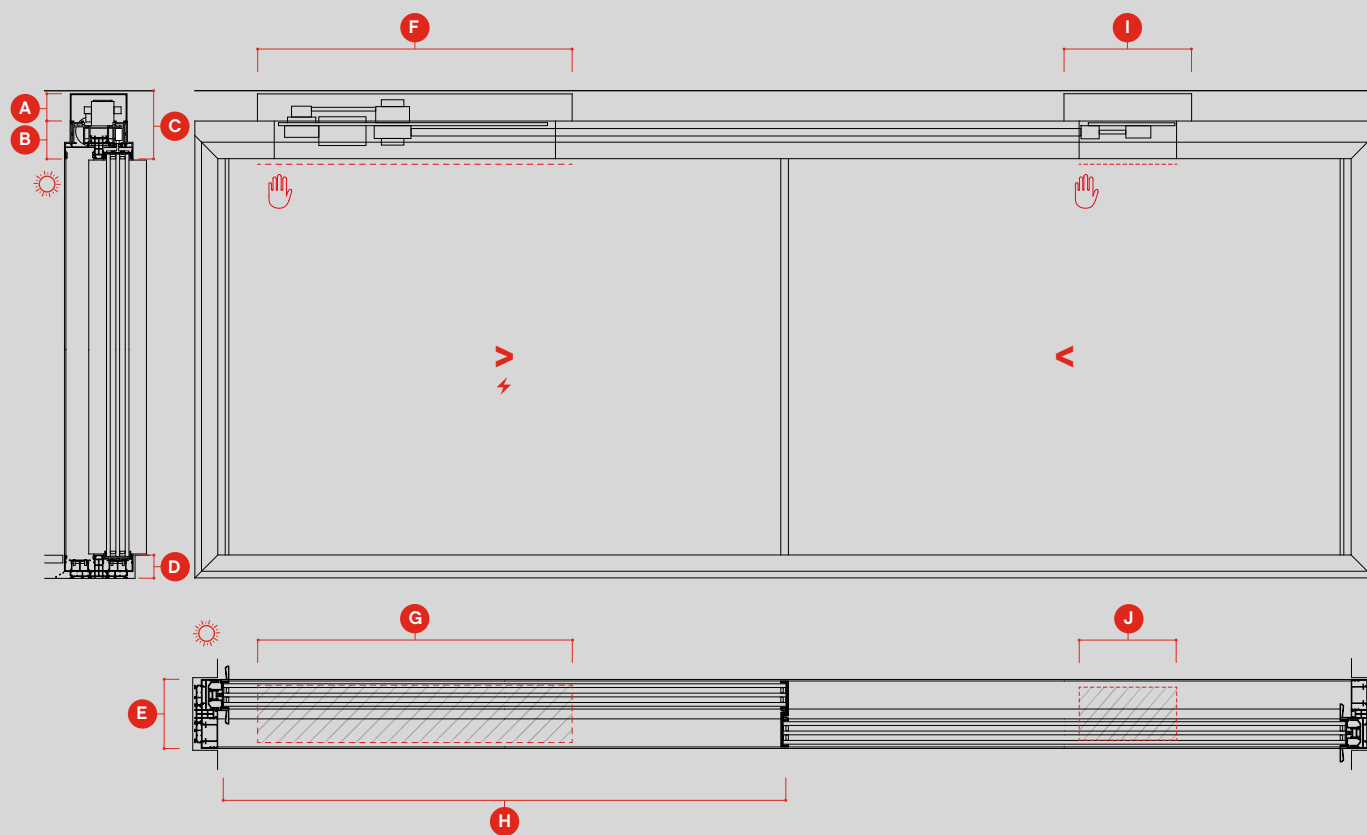


ah!60 motorisation

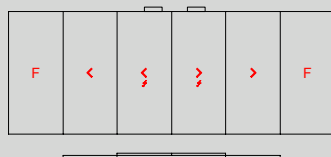
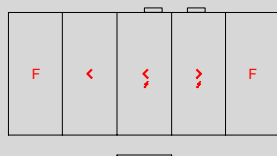
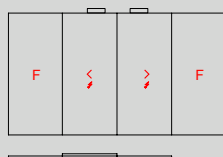
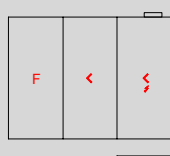
common sections | sections communes

1:20

scale / échelle



opening typologies



dimensions

A 75mm	F 840mm
B 100mm	G 750mm
C 180mm	H ≥1100mm
D 60mm	I 340mm
E 182mm	J 260mm



Gusto 501 | Toronto, Canada
Partisans
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Villa S | Geneva, Switzerland
GM Architectes Associés
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Villa D | Vaud, Switzerland
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