

SIMPAS[®]
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PRODUCT CATALOGUE

OLD TOWN
GLASS

700 Grant Ave
Novato, CA 94945
707-559-7047
otglass.com

“

We are a Greek family business specialized in manufacturing aluminum fenestration products for commercial and residential buildings. With almost 5 decades of experience in the industry, in-house production line, and highly-skilled personnel; we are your one-stop partner for aluminum windows, doors, and facades.

This catalogue showcases a selection of our high-quality European fenestration products: aluminum windows, doors, and facade systems that are versatile and adaptable to your project's special requirements.

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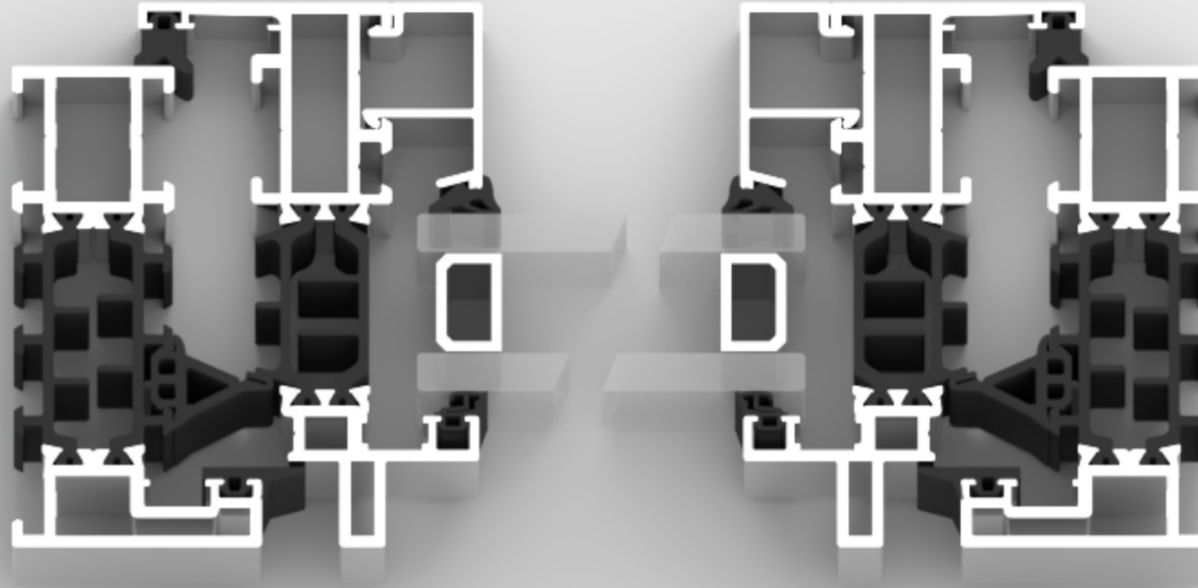
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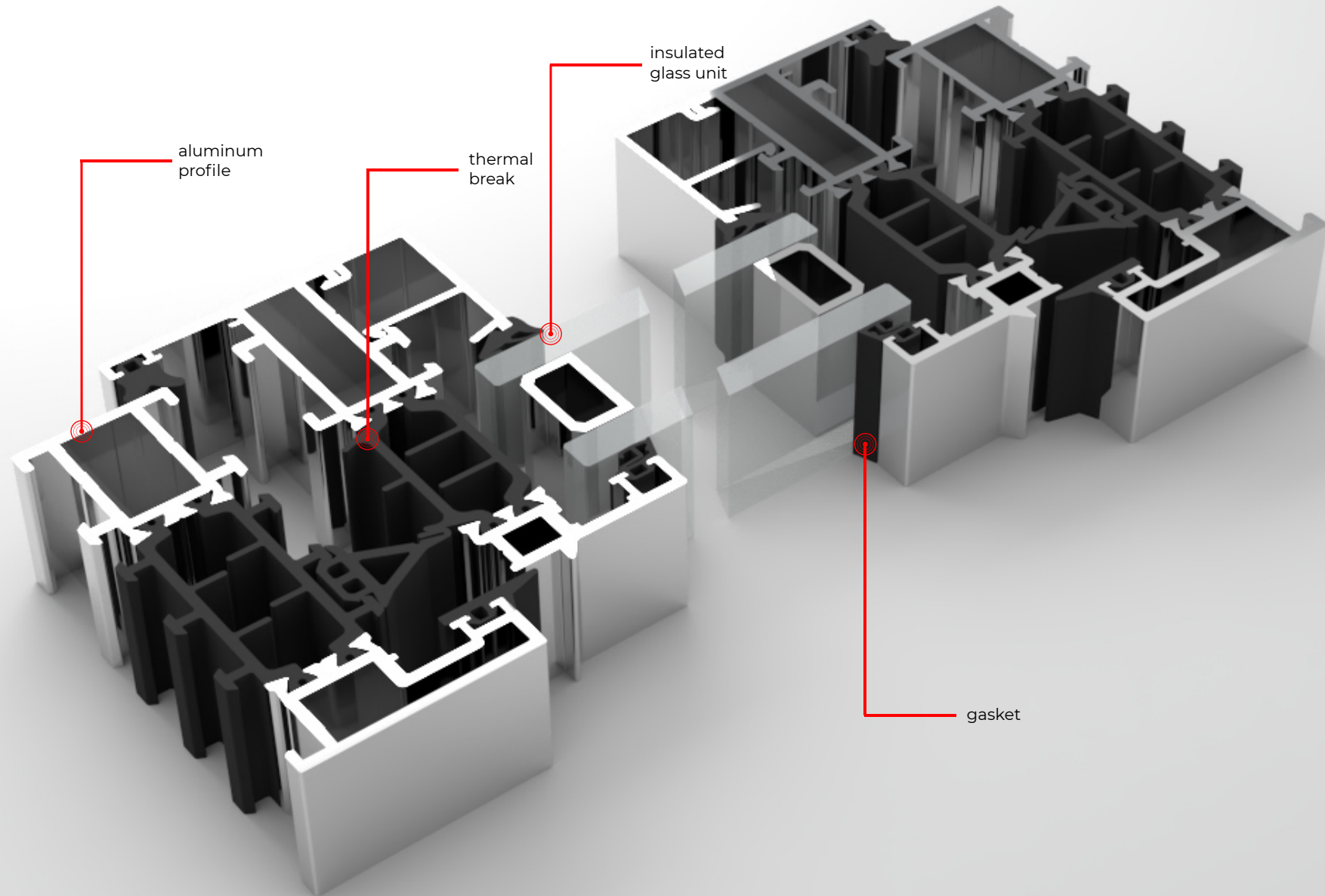
SlimLine 38

SlimLine 38 is a system of aluminum windows and doors with minimal and user-friendly design, a perfect fit for any contemporary project. These durable aluminum windows and doors offer unlimited design freedom thanks to their multiple variants. SlimLine 38 system has been developed to mimic the slender look of steel windows and doors.

Benefits:

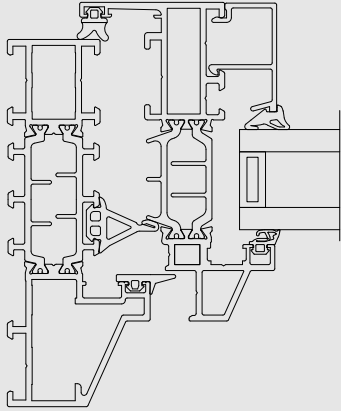
- Minimal design
- High thermal insulation variants
- Ideal for new buildings and renovations
- Three design variants: Classic, Cubic, Fero. All inspired by the looks of classic steel windows
- Burglarproof version available

SYSTEM PARTS

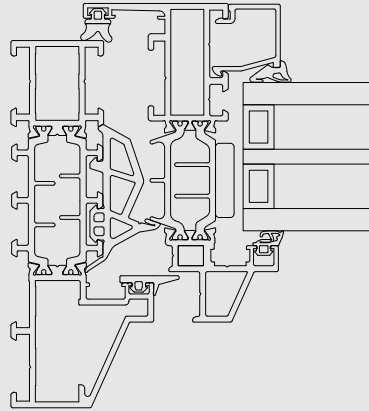


VARIANTS

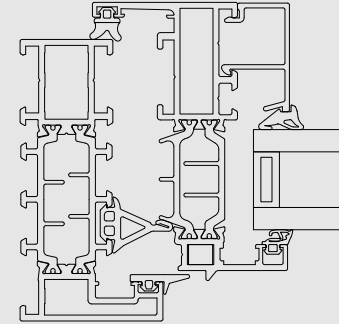
SL 38 CLASSIC STANDARD



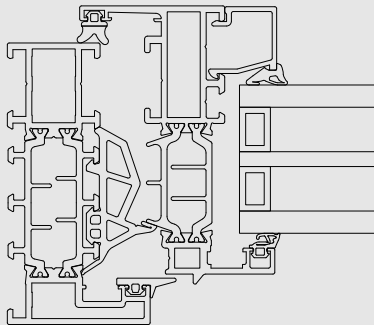
SL 38 CLASSIC HI



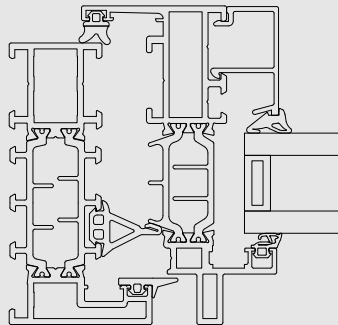
SL 38 CUBIC STANDARD



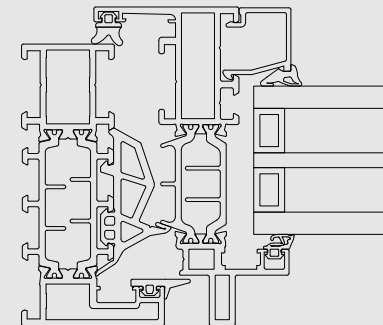
SL 38 CUBIC - HI



SL 38 FERRO STANDARD








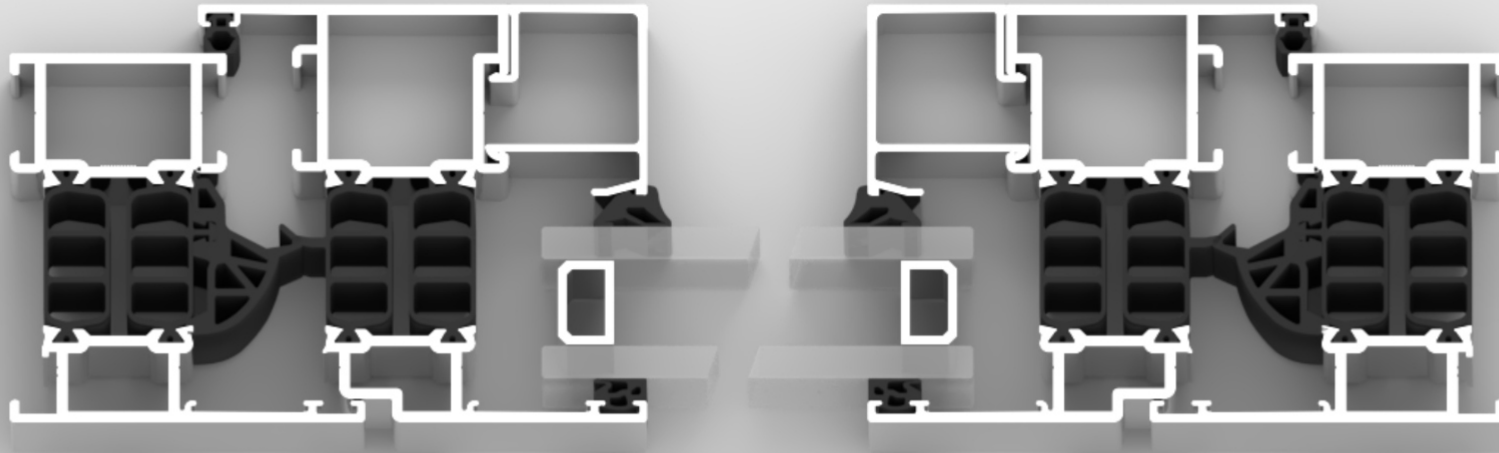
SL 38 FERRO - HI



SYSTEM SPECIFICATIONS & PERFORMANCE

TECHNICAL CHARACTERISTICS			
Style variants		CLASSIC	CUBIC
Min. visiblewidth inward opening window	Frame	15/16"	15/16"
	Vent	7/8"	7/8"
Min. visiblewidth outward opening window	Frame	11/8"	-
	Vent	2 3/8"	-
Min. visiblewidth inward opening window-door	Frame	15/16"	15/16"
	Vent	2 1/16"	2 1/16"
Min. visiblewidth outward opening window-door	Frame	11/8"	-
	Vent	3 1/4"	-
Min. visiblewidth T-profile		1 7/8"	1 7/8"
Overall system depth window	Frame	3 7/8"	3"
	Vent	3 3/8"	2 15/16"
Rebate height		9/16"	9/16"
Glass thickness		up to 2 3/16"	up to 2 3/16"
Glazing method		dry glazing with EPDM or neutral silicones	
Thermal insulation		omega-shaped fibreglass reinforced polyamide strips (frame 19/16" – vent 11/4")	
High Insulation variant (HI)		available	

PERFORMANCE SPECIFICATIONS ⁽¹⁾			FIXED		OPERABLE		SWING DOOR		
ENERGY									
	Thermal Insulation ⁽²⁾ (Btu/hr·ft ² ·°F) per NFRC 102	Fixed	Double	Triple	Double	Triple	Double	Triple	
			Uw	0.23	0.16				
		Open in	SHGC	0.19	0.21				
			Uw			0.25	0.19	0.30	0.25
		Open out	SHGC			0.20	0.17	0.09	0.10
			Uw			0.32	0.26	0.31	0.26
		SHGC			0.16	0.15	0.09	0.10	
COMFORT									
	Acoustic performance ⁽³⁾ ASTM E90-09/1332	STC	45		42		38		
		OITC	38		35		34		
	Air tightness, max. test pressure ⁽⁴⁾ (cfm/ft ²)	0.02		0.01		0.05			
	Water tightness ⁽⁵⁾ (psf)	12.11		12		11.28			
	AAMA Rating AAMA/WDMA/CSA 101/I.S.2/A440,NAFS	AW PG100		AW PG100		CW PG30 (Open In) CWPG40 (Open Out)			



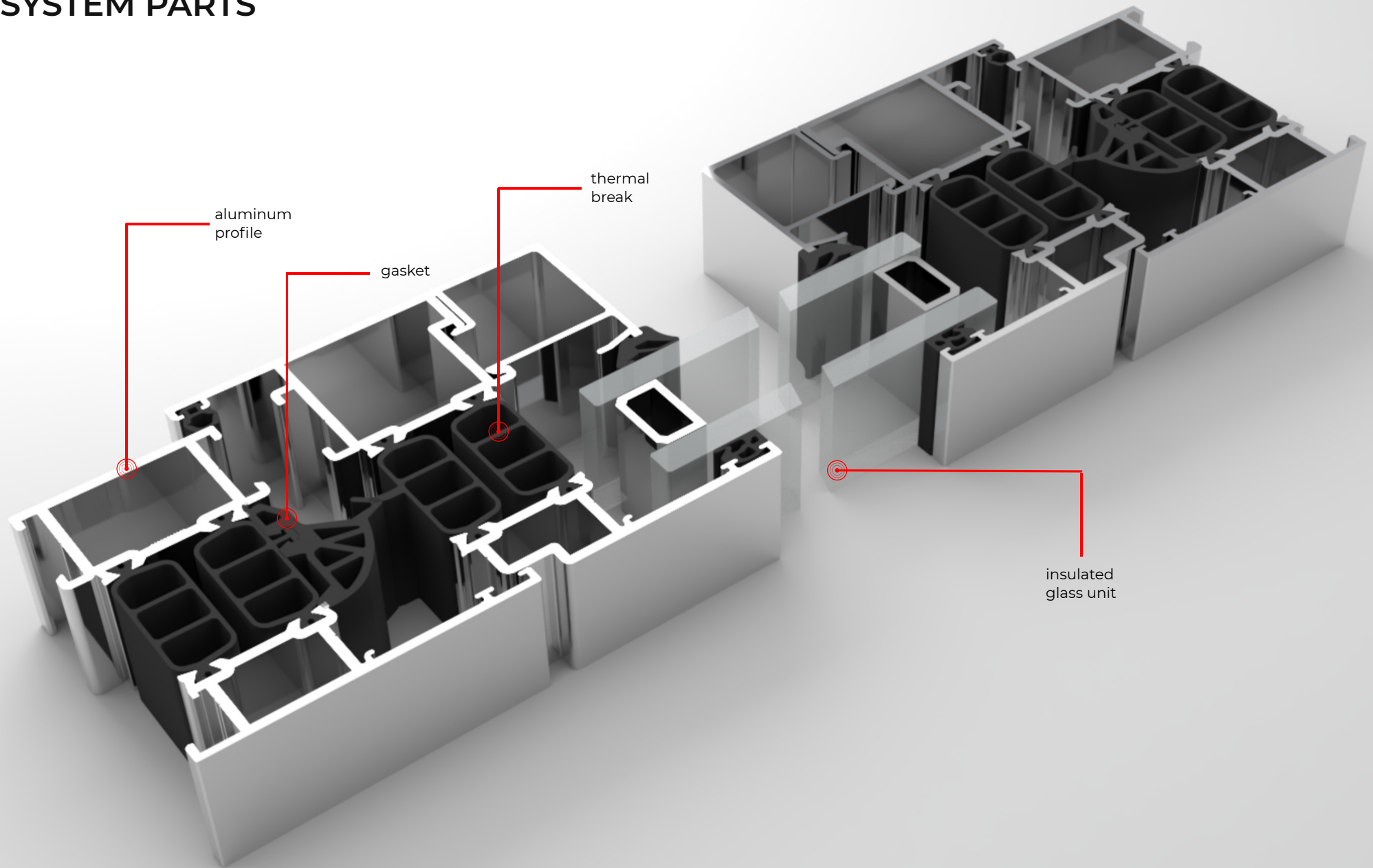
ConceptSystem 77

ConceptSystem 77 is a versatile aluminum window system that complements almost any building project thanks to its many design options. Compatible with different burglar resistance levels, these aluminum windows and doors offer both a safe and a stylish solution.

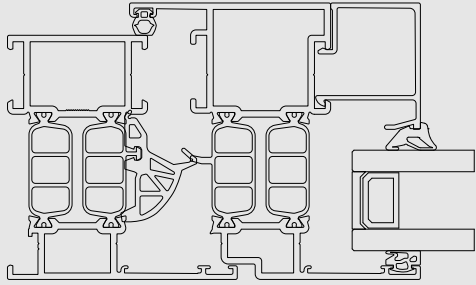
Benefits:

- Balanced ratio of price-quality-feature mix
- Broad design & functionality
- Available in four safety variants: Bulletproof, Burglarproof, Fireproof, Smokeproof
- Compatible with the building's SHEV system to extract smoke and heat quickly

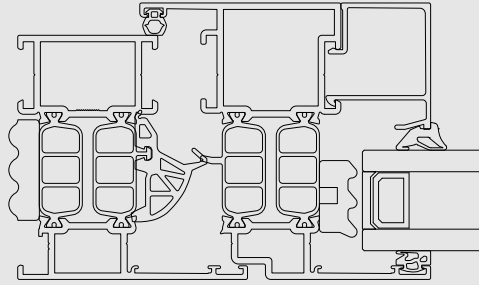
SYSTEM PARTS



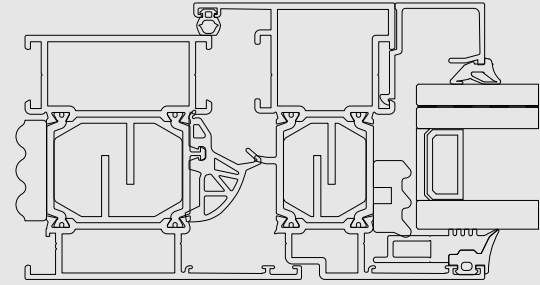
VARIANTS



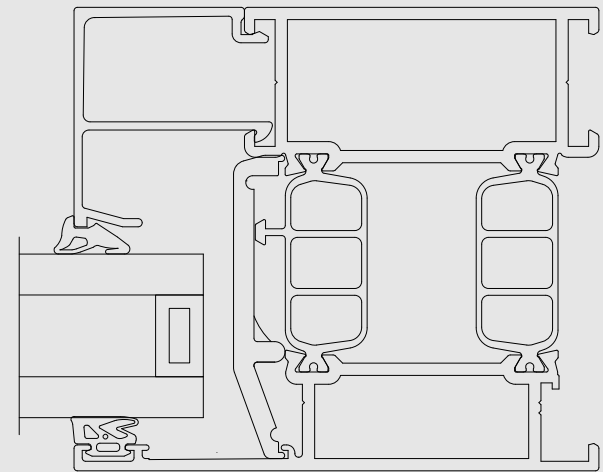
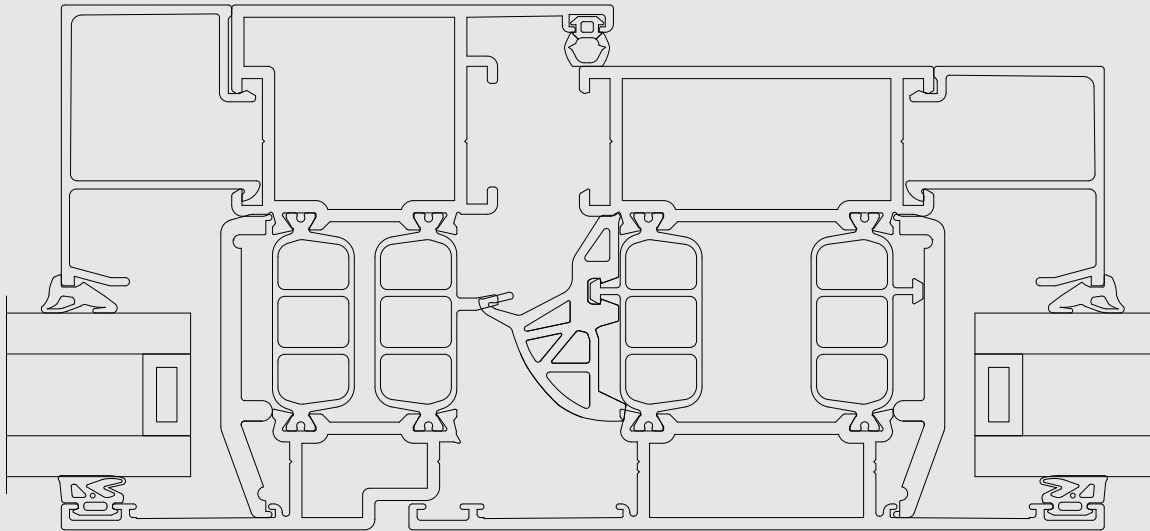
CS77 STANDARD



CS77-HI









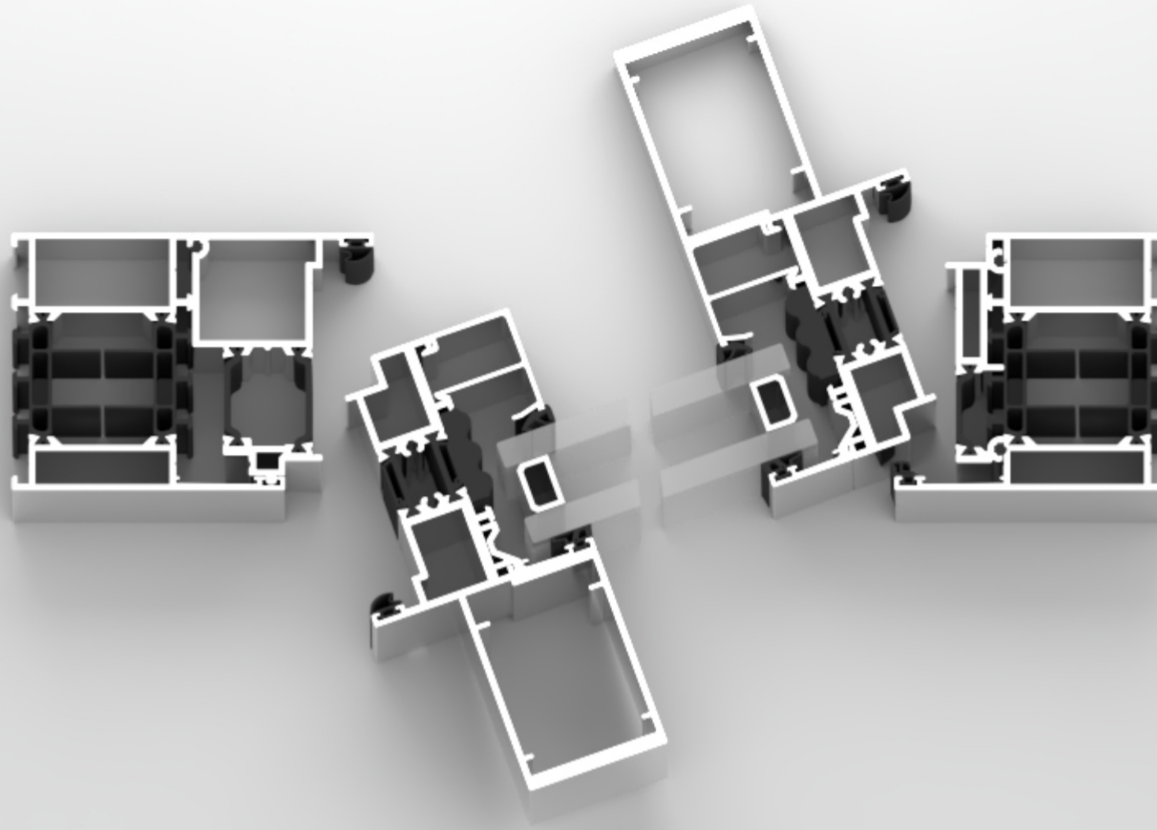
CS77-HI+



SYSTEM SPECIFICATIONS & PERFORMANCE

TECHNICAL CHARACTERISTICS			
Style variants		FUNCTIONAL	HIDDEN VENT
Min. visiblewidth inward opening window	Frame	2 3/16"	3"
	Vent	15/16"	not visible
Min. visiblewidth outward opening window	Frame	11/16"	-
	Vent	3"	-
Min. visiblewidth inward opening flush door	Frame	2 11/16"	-
	Vent	3"	-
Min. visiblewidth outward opening flush door	Frame	15/8"	-
	Vent	4"	-
Min. visiblewidth T-profile		3"	4 15/16
Overall system depth window	Frame	2 11/16"	2 11/16"
	Vent	3 1/16"	2 7/8"
Rebate height		1"	3/4"
Glass thickness		up to 2 1/16"	up to 17/8"
Glazing method		dry glazing with EPDM or neutral silicones	
Thermal insulation		11/4" omega and/or hollow chamber –shaped fibreglass reinforced polyamide strips	
High Insulation variant (HI)		Available	Not Available
High Insulation Plus variant (HI+)		Available	Not Available

PERFORMANCE SPECIFICATIONS ⁽¹⁾			FIXED		OPERABLE		SWING DOOR		TERRACE DOOR		
ENERGY			Double	Triple	Double	Triple	Double	Triple	Double	Triple	
	Thermal Insulation ⁽²⁾ (Btu/hr·ft ² ·°F) per NFRC 102	Fixed	Uw	0.24	0.17						
			SHGC	0.20	0.15						
		Open in	Uw			0.26	0.20	0.3	0.25	0.3	0.24
			SHGC			0.16	0.12	0.16	0.12	0.16	0.12
		Open out	Uw			0.34	0.27	0.35	0.29	0.31	0.25
			SHGC			0.17	0.13	0.16	0.12	0.16	0.12
COMFORT											
	Acoustic performance ⁽³⁾ ASTM E90-09/1332	STC	43		42		39		40		
		OITC	36		35		36		36		
	Air tightness, max. test pressure ⁽⁴⁾ (cfm/ft ²)		0.04		0.04		0.02		0.27		
	Water tightness ⁽⁵⁾ (psf)		12.11		15		2.92		9.4		
	AAMA Rating AAMA/WDMA/CSA 101/I.S.2/A440,NAFS		AW PG120		CW PG 100 DAW AW PG 100 C		RPG15		CW PG50		
	TAS202/203-94 TAS 201		DP +/-65 psf Large Missile Impact			-					



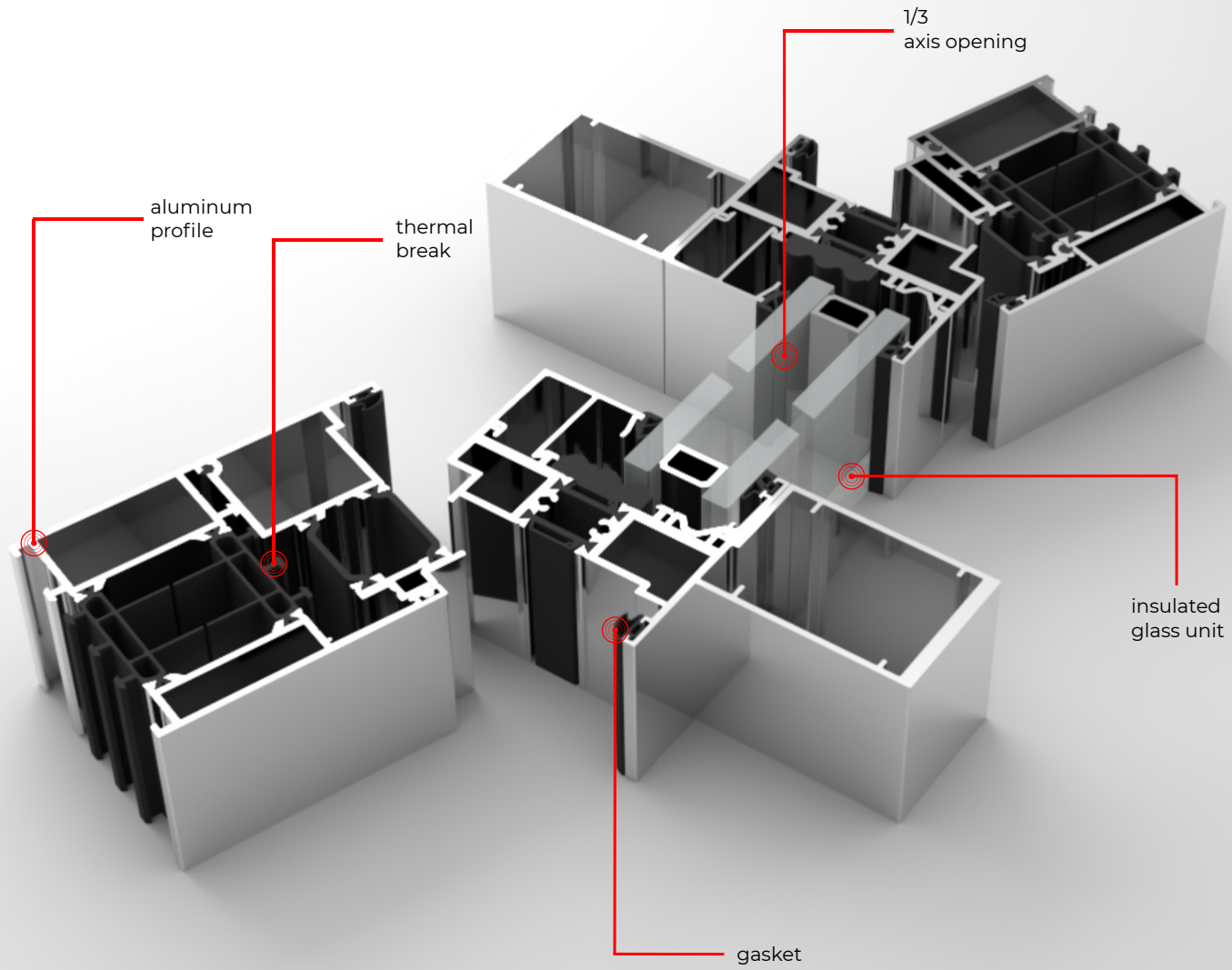
MasterLine 8

MasterLine 8 aluminum doors offer excellent levels of safety, thermal insulation, and stability. This high-quality door series can reach Passive House-levels of insulation, which makes it ideal for sustainable renovations and new buildings. MasterLine 8 Pivot doors make excellent entrance doors, and are available in a standard size and an impressive XL size.

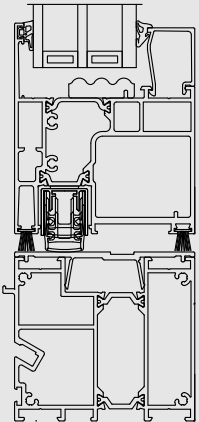
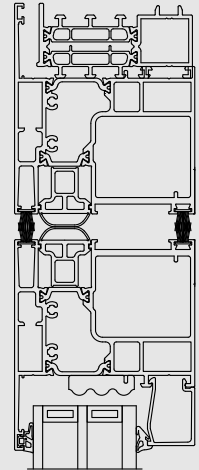
Benefits:

- High thermal performance
- Idea for low-energy, cost-saving buildings
- Three types of insulation variants, including Passive House and LEED components
- Available in four types: Balcony Door, Panel Door, Standard Pivot Door, XL Pivot Door
- Burglarproof

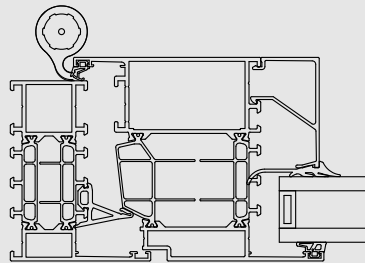
SYSTEM PARTS



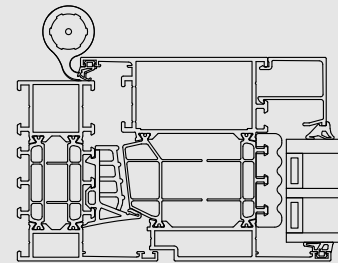
VARIANTS



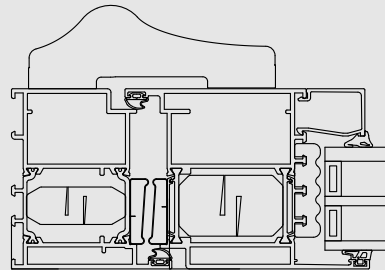
MASTERLINE 8 STANDARD



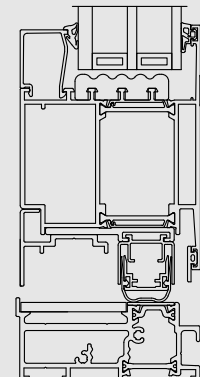
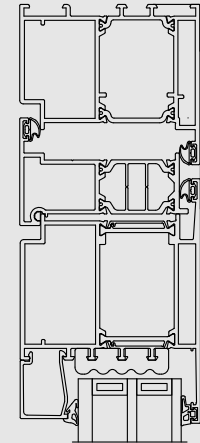
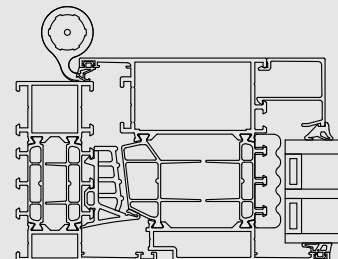
MASTERLINE 8-HI



MASTERLINE 8-HI+








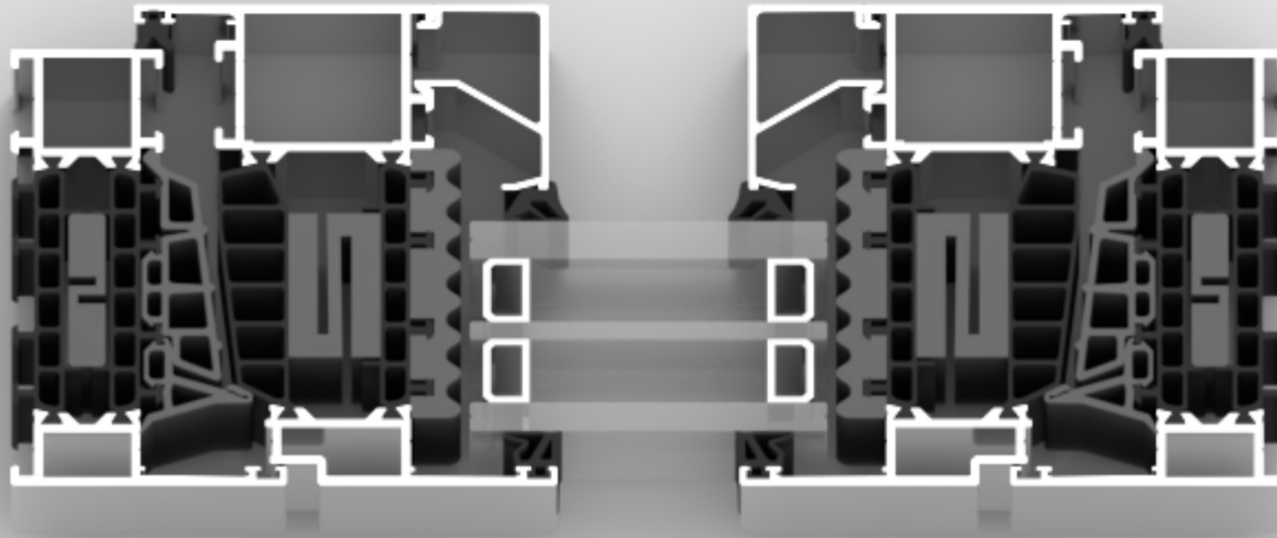
MASTERLINE 8-HI+



SYSTEM SPECIFICATIONS & PERFORMANCE

TECHNICAL CHARACTERISTICS						
Style variants		WINDOWS		DOORS		
		FUNCTIONAL	HIDDEN VENT	TERRACEDOORS	FLUSH DOORS	XLPIVOT
Min. visible width inward opening window or door	Frame	2 1/16"	3 1/8"	2 3/8"	2 11/16"	2 11/16"
	Vent	1 7/16"	-	2 5/8"	3 1/16"	5 1/16"
Min. visible width outward opening window or door	Frame	13/16"	-	13/16"	1 11/16"	2 11/16"
	Vent	4 5/8"	-	4 7/16"	4 1/8"	6 1/8"
Min. visible width T-profile		3 1/8"	4 3/16"	3 1/8"	3 1/8"	3 1/8"
Overall system depth window or door	Frame	3 1/16"				
	Vent	3 7/16"	3 1/16"	3 7/16"	3 1/16"	3 1/16"
Rebate height		1 1/16"				
Glass thickness	Frame	up to 2 7/8"	up to 2 7/8"	up to 2 7/8"	up to 2 7/8"	2 7/16"
	Vent	up to 2 13/16"	up to 2 1/4"	up to 2 13/16"	up to 2 7/16"	up to 2 7/16"
Glazing method		dry glazing with EPDM or neutral silicones				
Thermal insulation		omega-shaped glass fibre reinforced polyamide strips HI+ version: glass fibre reinforced noryl strips 19/16" or 11/2" depending on profile			1 1/4"	-

PERFORMANCE SPECIFICATIONS ⁽¹⁾			FIXED		OPERABLE		TERRACE DOOR		FLUSH DOOR		XL PIVOT		
ENERGY													
	Thermal Insulation ⁽²⁾ (Btu/hr·ft ² ·°F) per NFRC 102	Fixed	Double	Triple	Double	Triple	Double	Triple	Double	Triple	Double	Triple	
			Uw	0.22	0.15								
		SHGC	0.16	0.19									
		Open in	Uw			0.25	0.19	0.22	0.15	0.25	0.20	0.37	0.31
			SHGC			0.15	0.16	0.17	0.16	0.15	0.16	0.18	0.18
		Open out	Uw			0.29	0.24	0.26	0.20	0.25	0.20	0.37	0.31
			SHGC			0.11	0.10	0.15	0.16	0.17	0.16	0.18	0.18
COMFORT													
	Acoustic performance ⁽³⁾ ASTM E90-09/1332	STC	50	49	43	43	-						
		OITC	44	43	35	35	-						
	Air tightness, max. test pressure ⁽⁴⁾ (cfm/ft ²)	0.04	0.04	0.04	-	0.14							
	Water tightness ⁽⁵⁾ (psf)	15	15	20	-	2.92							
	AAMA Rating AAMA/WDMA/CSA 101/I.S.2/A440,NAFS	AW PG100	AW PG100	AW PG60	-	R PG25							



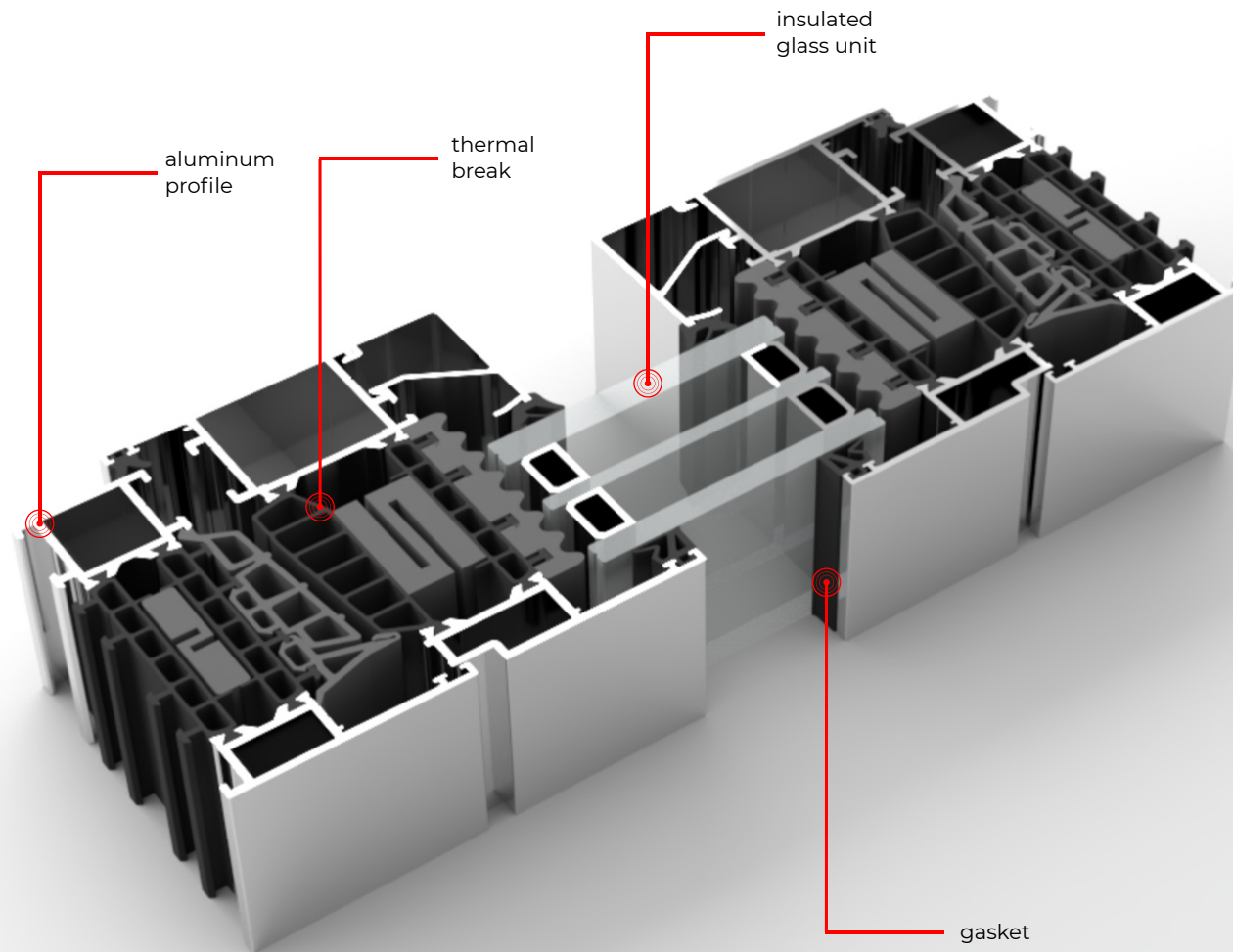
MasterLine 10

MasterLine 10 aluminum windows fit the building trends of today and tomorrow. This Passive House-certified solution is ideal for low-energy buildings, as it combines maximum daylight access, optimal performance, and safety without compromise.

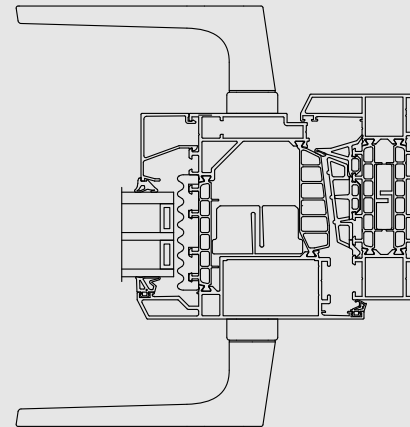
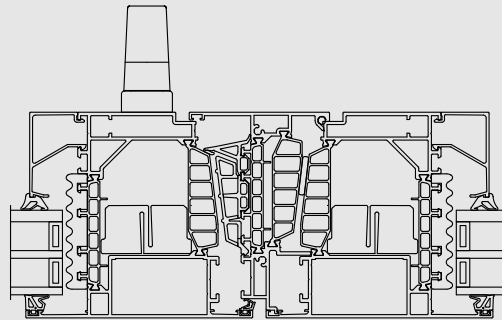
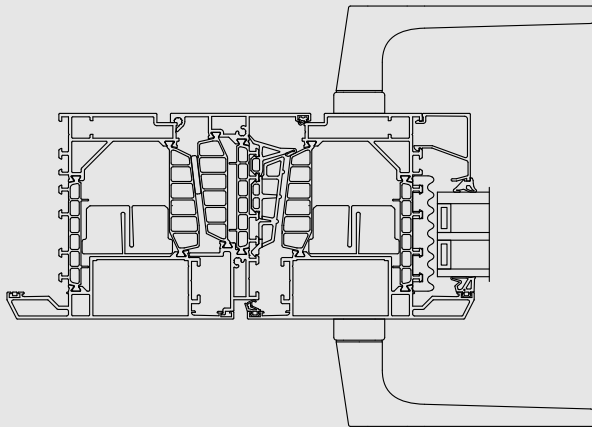
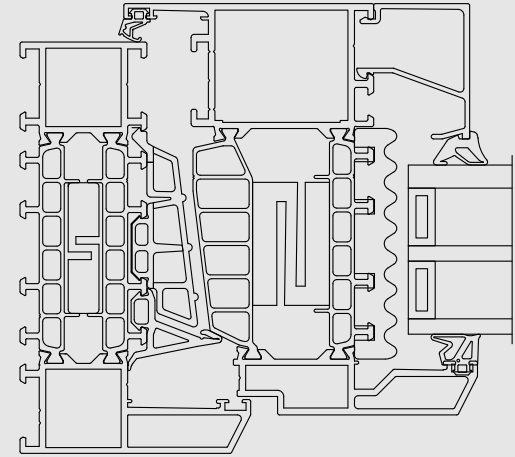
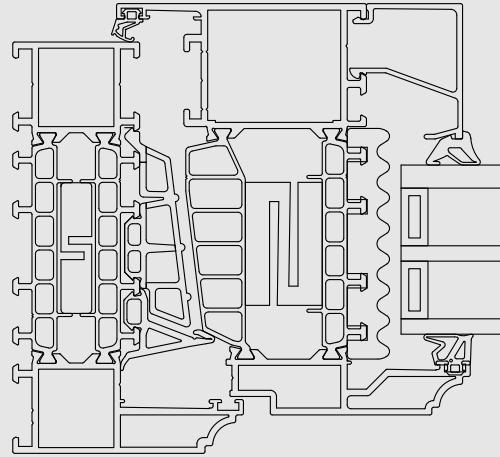
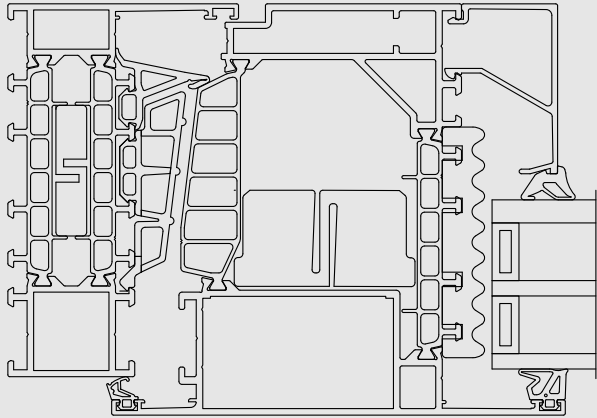
Benefits:

- Excellent thermal performance
- Wide range of thermal insulation variations
- Suitable for Passive House and LEED-certified green buildings
- Deco and Renaissance design variant inspired by the looks of wooden windows

SYSTEM PARTS








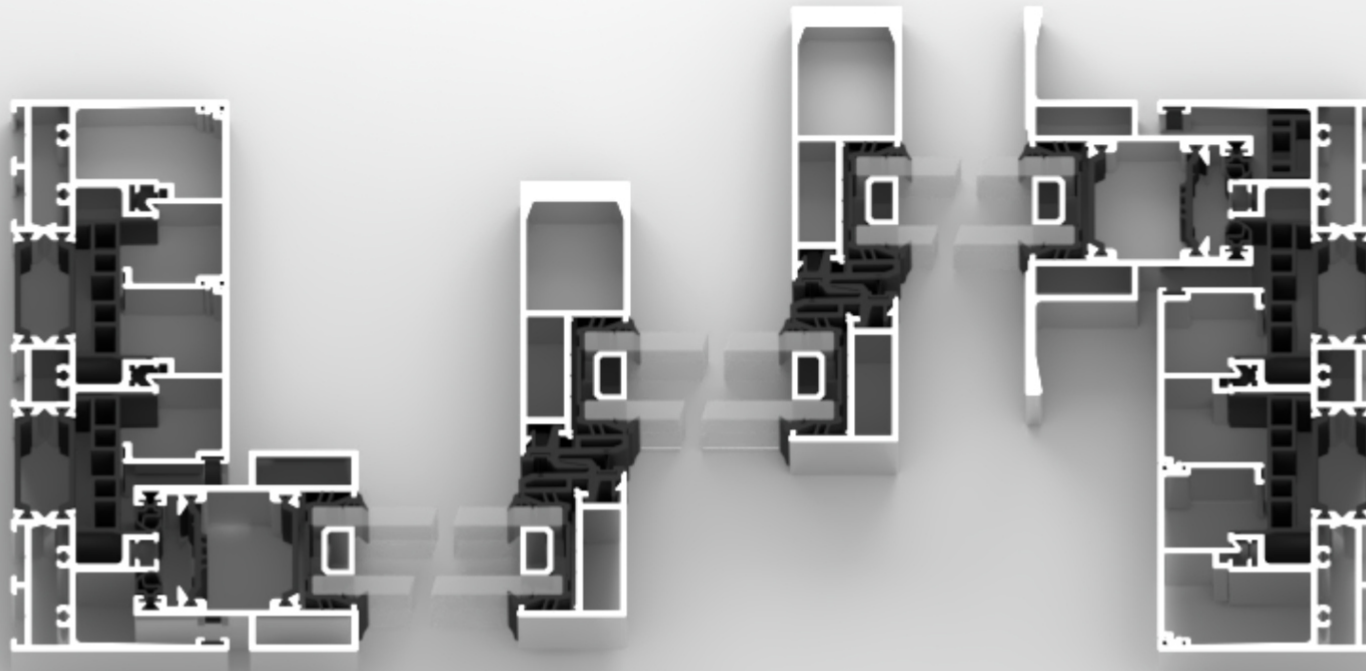
VARIANTS



SYSTEM SPECIFICATIONS & PERFORMANCE

TECHNICAL CHARACTERISTICS			
		FUNCTIONAL	TERRACE DOOR
Min. visible width inward opening window or door	Frame	2 3/8"	2 3/8"
	Vent	1 7/16"	2 5/8"
Min. visible width outward opening window or door	Frame	-	13/16"
	Vent		4 7/16"
Min. visible width T-profile		3 7/16"	3 7/16"
Overall system depth window	Frame	3 13/16"	3 13/16"
	Vent	4 3/16"	
Rebate height		1 1/16"	
Glass thickness	Frame	up to 3 7/16"	3 13/16"
	Vent	up to 3 7/16"	up to 3 7/16"
Glazing method		dry glazing with EPDM or neutral silicones	
Thermal break		2 3/8" glass fibre reinforced noryl strips	

PERFORMANCE SPECIFICATIONS ⁽¹⁾			FIXED	OPERABLE	DOOR	
ENERGY						
	Thermal Insulation ⁽²⁾ (Btu/hr·ft ² ·°F) per NFRC 102		Triple	Triple	Triple	
		Fixed	Uw	0.14		
			SHGC	0.19		
		Open in	Uw		0.16	0.16
			SHGC		0.15	0.19
		Open out	Uw		0.20	0.17
			SHGC		0.10	0.10
COMFORT						
	Acoustic performance ⁽³⁾ ASTM E90-09/1332	STC	46	46	-	
		OITC	40	40	-	
	Air tightness, max. test pressure ⁽⁴⁾ (cfm/ft ²)		0.01	0.01	0.01	
	Water tightness ⁽⁵⁾ (psf)		15	15	15	
	AAMA Rating AAMA/WDMA/CSA 101/I.S.2/A440,NAFS		AW PG100	AW PG100	AW PG100	



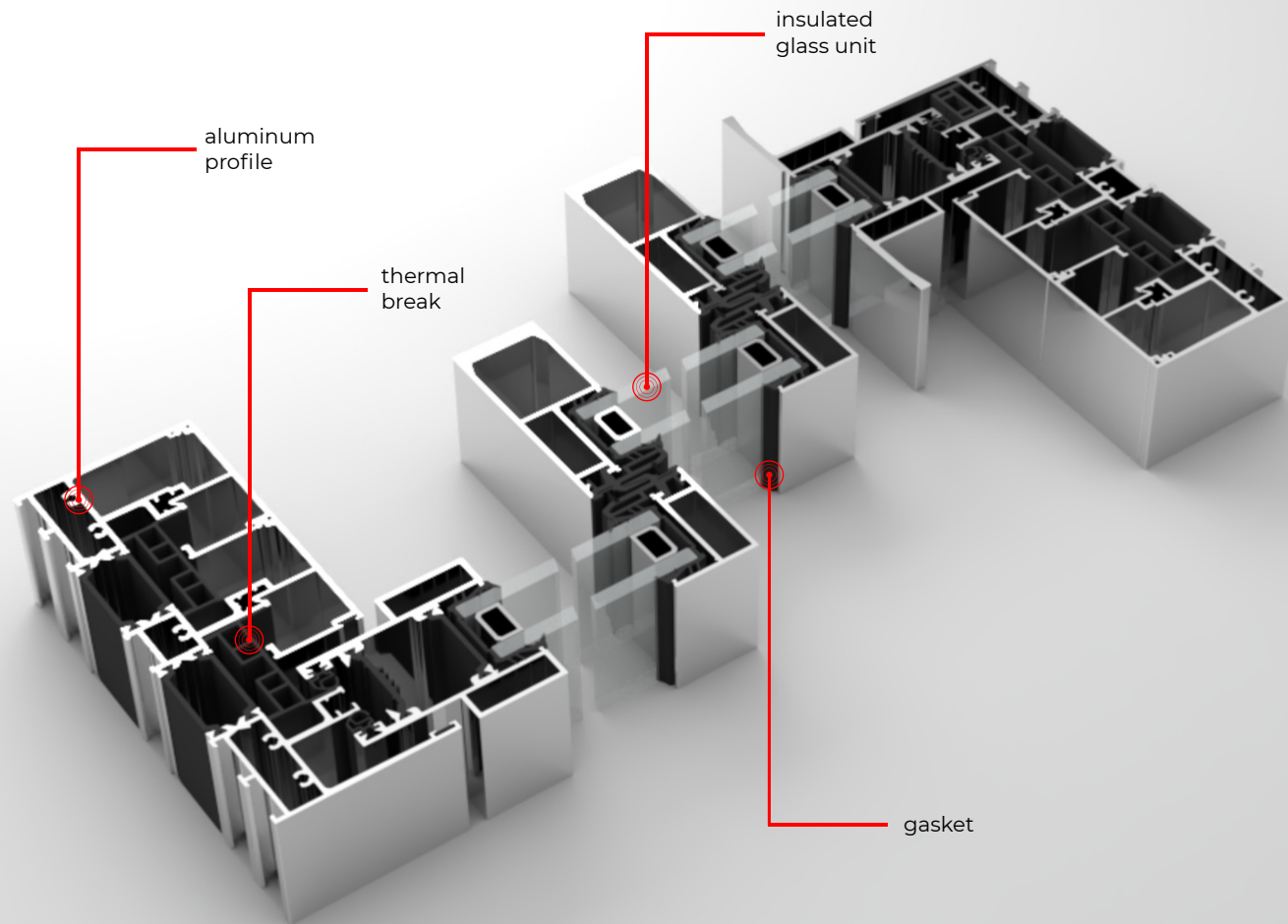
SlimPatio 68

SlimPatio 68 is a highly-insulated, ultra-slim aluminum sliding system that takes comfort and style to the next level. Thanks to its minimal design, this premium sliding system ensures maximum daylight entrance and optimal panoramic views.

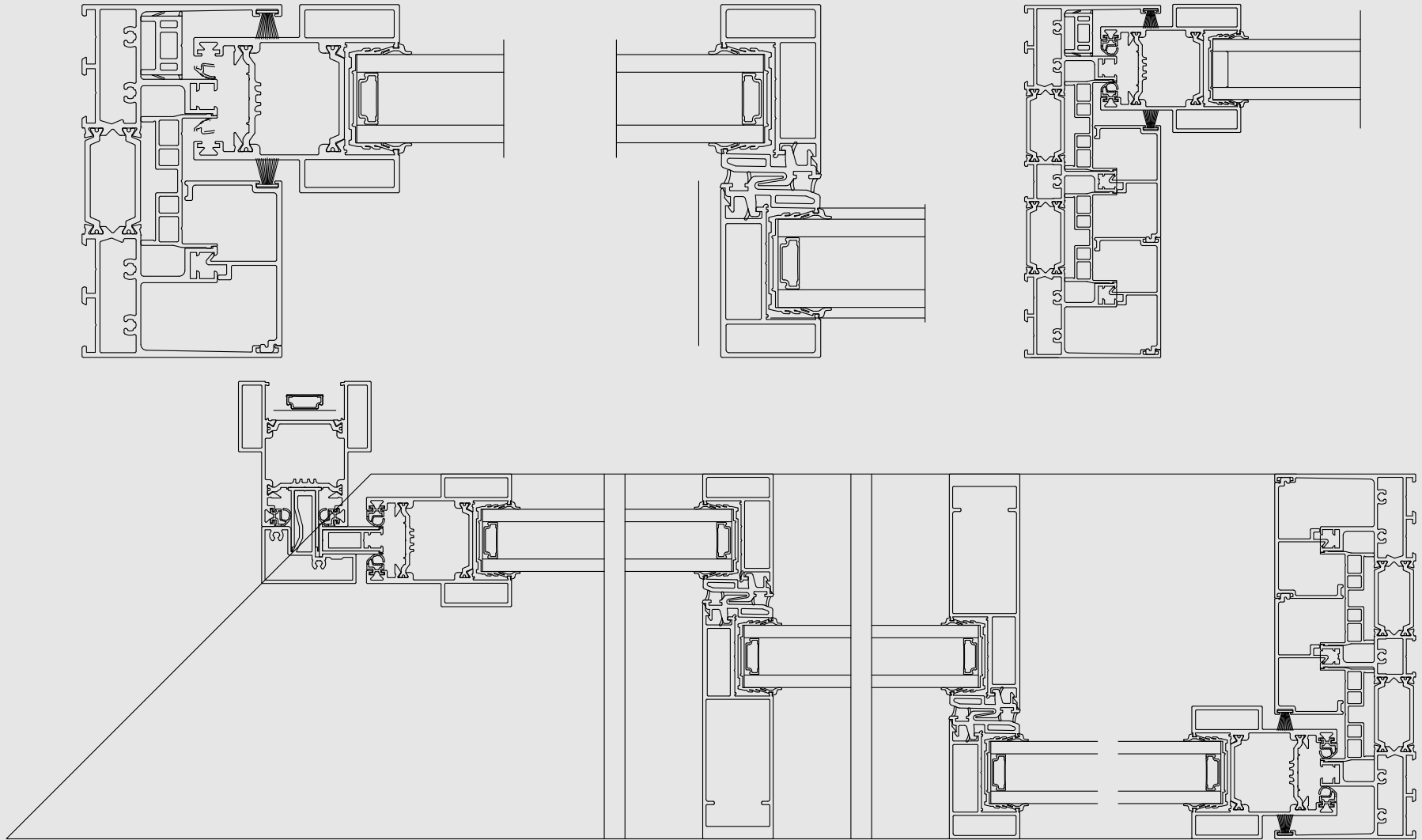
Benefits:

- High insulation and ultra-slim looks
- Minimal design and maximum daylight entrance
- Available in 2-rail and 3-rail design options
- Two opening types to choose from: Pocket, Open Corners

SYSTEM PARTS








VARIANTS



SYSTEM SPECIFICATIONS & PERFORMANCE

TECHNICAL CHARACTERISTICS			
Variants		2-RAIL	3-RAIL
Visible width / height	Built-in frame	2 11/16"	
	Vent	15/16"	
	Meeting section	15/16"	
Overall system depth	Frame	4 3/4"	
	Vent	2 1/2"	
Maximal frame height		120"	
Maximal vent weight		550 lbs	
Rebate height		11/16"	
Glass thickness		from 1" up to 17/16"	
Glazing method		with EPDM in accordance with the envelope principle	
Thermal insulation		11/4" and 17/16" fiberglass reinforced polyamide strips	

PERFORMANCE SPECIFICATIONS ⁽¹⁾

ENERGY				
	Thermal Insulation ⁽²⁾ (Btu/hr-ft ² -°F) per NFRC 102	Glazing	Double	Triple
		Uw	0.28	0.23
		SHGC	0.09	0.13
COMFORT				
	Acoustic performance ⁽³⁾ ASTM E90-09/1332	STC	40	
		OITC	33	
	Air tightness, max. test pressure ⁽⁴⁾ (cfm/ft ²)	0.08		
	Water tightness ⁽⁵⁾ (psf)	9		
	AAMA Rating AAMA/WDMA/CSA 101/I.S.2/A440, NAFS	CW PG60		



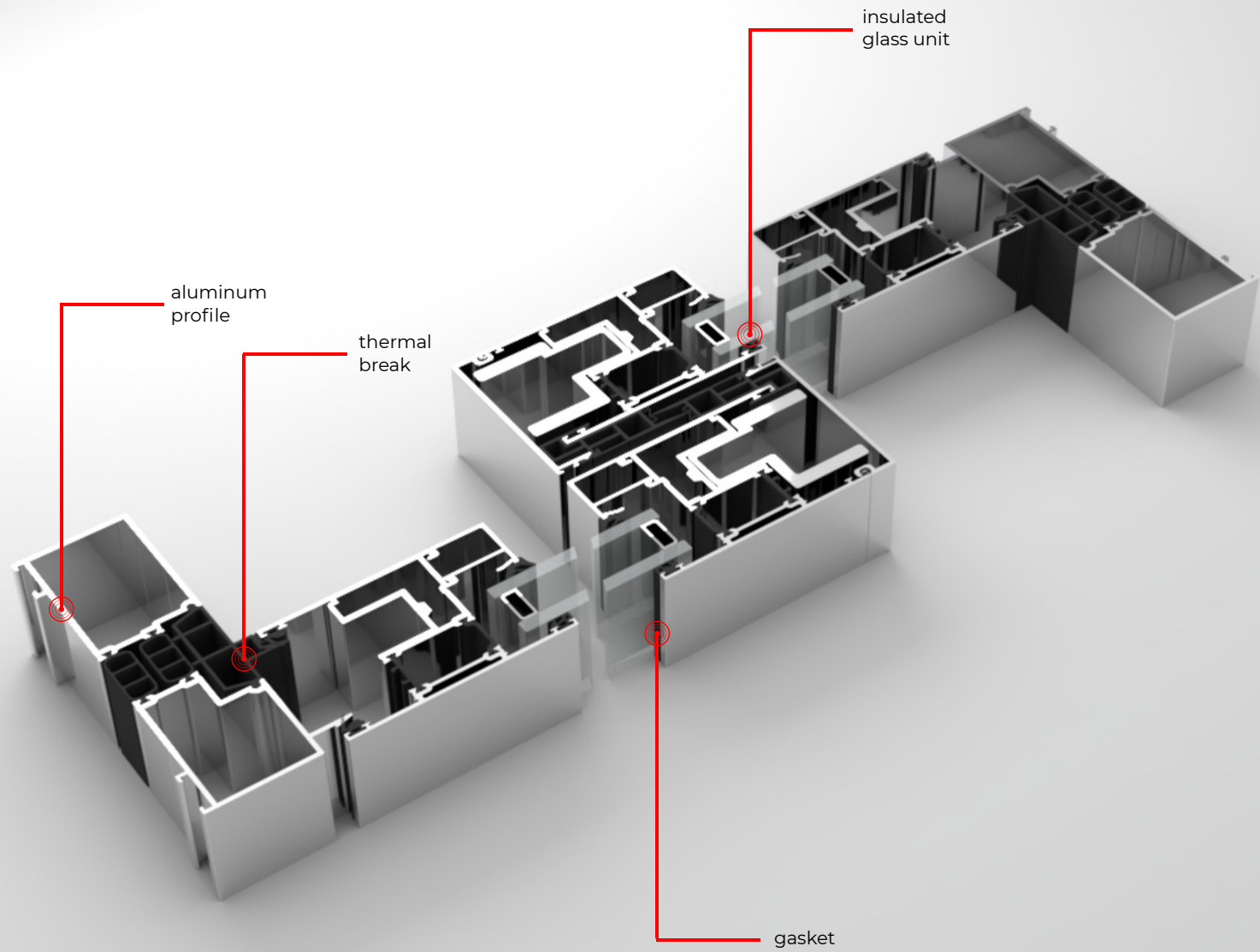
ConceptPatio 155

ConceptPatio 155 is a high-quality lift & slide system that enables large glass areas with excellent insulating properties. Easy to integrate, these all-round aluminum sliding doors can be perfectly combined with the ConceptSystem 77 windows and doors system.

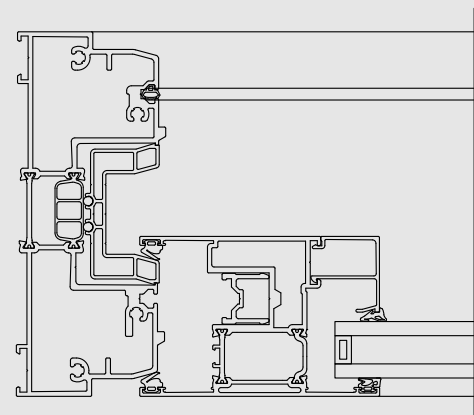
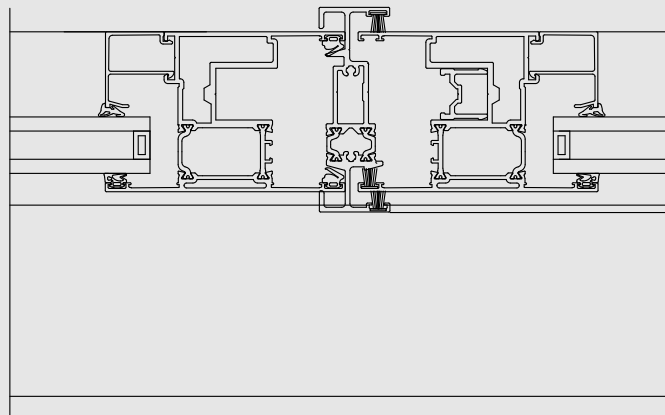
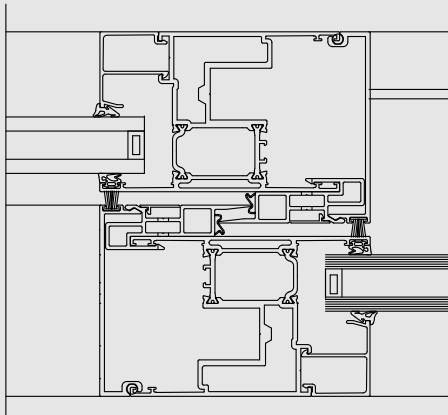
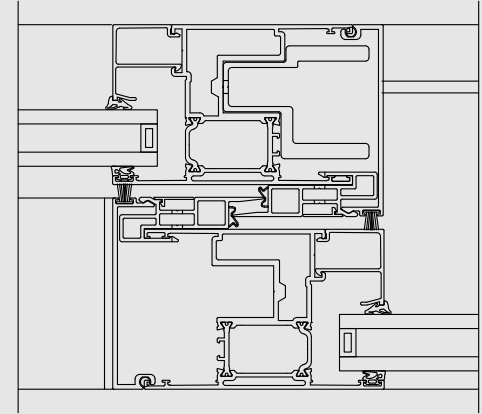
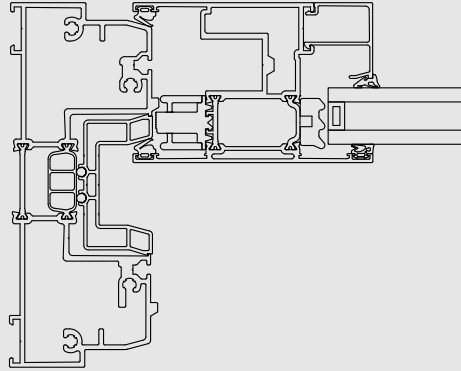
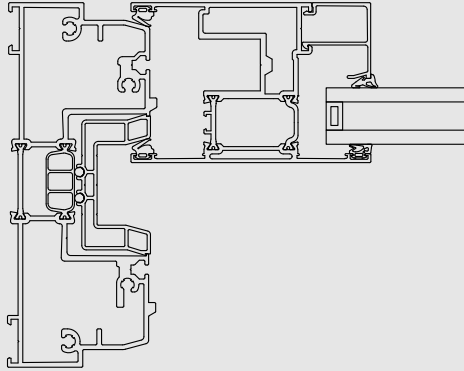
Benefits:

- High-quality lift and slide system
- High Insulation variant available
- Enables large glass elements in a variety of opening types: Lift and Slide, Pocket, Open Corner
- Variety of design options: 2-rail, 3-rail, Monorail Inside Glazed, Monorail Outside Glaze, Multirail
- Hurricane-proof variant available, made to withstand harsh conditions

SYSTEM PARTS









VARIANTS



SYSTEM SPECIFICATIONS & PERFORMANCE

TECHNICAL CHARACTERISTICS												
	SYSTEM DEPTH				VISIBLE WIDTH			MAX	VENTMIN-MAXSIZES			
	Frame			Vent	Frame	Frame-Vent	Interlock	Vent lbs	Min.		Max.	
	Mono	2-Rail	3-Rail				Vent-Vent		W	H	W	H
CP 155-LS	6 1/8"	6 1/8"	9 1/2"	3 3/16"	115/16"	6 3/8"	4 1/2"	882	32"	74"	98"	120"
	ZERO (FLUSH) THRESHOLD				STANDARD THRESHOLD							
	Floor Depth		Below Finished Floor		Full Height			Profile Step				
CP 155-LS	1to 1 1/2"		3 3/16"		2 9/16"			1 1/4"				

PERFORMANCE SPECIFICATIONS ⁽¹⁾

ENERGY			
 Thermal Insulation ⁽²⁾ (Btu/hr·ft ² ·°F) per NFRC 102	Glazing	Double	Triple
	Uw	0.27	0.22
	SHGC	0.10	0.11
COMFORT			
 Acoustic performance ⁽³⁾ ASTM E90-09/1332	STC	43	
	OITC	37	
 Air tightness, max. test pressure ⁽⁴⁾ (cfm/ft ²)	0.03		
 Water tightness ⁽⁵⁾ (psf)	12		
 AAMA Rating AAMA/WDMA/CSA 101/I.S.2/A440, NAFS	AW PG60		
 TAS202/203-94 TAS 201	DP +/-65 psf and 12psf water with standard threshold Large Missile Impact		



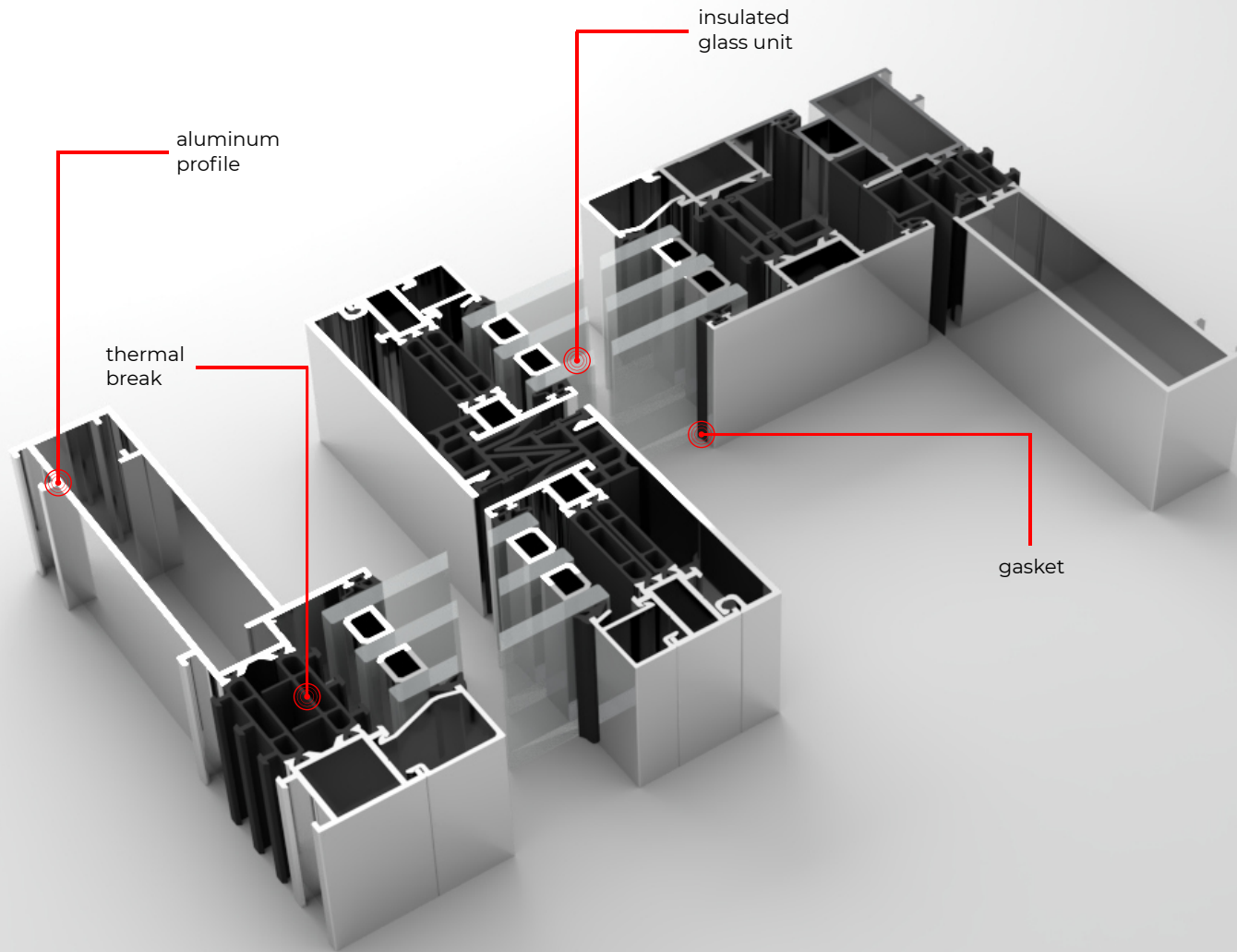
MasterPatio

MasterPatio is an aluminum sliding system and a unique choice for all our partners. Its superior insulation and recycled components make this premium aluminum solution an ideal sustainability upgrade for any building project. It can be combined with our MasterLine 8 system to create a floor-to-ceiling facade.

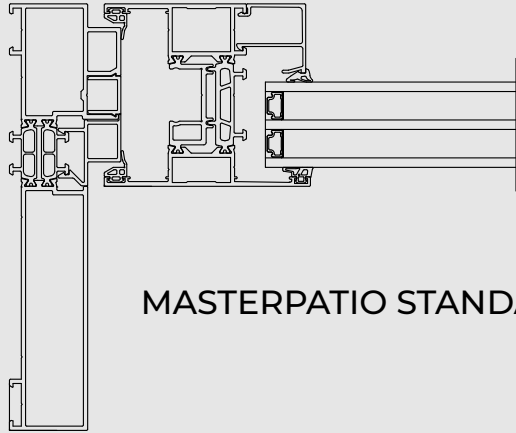
Benefits:

- High thermal and acoustic performance
- High insulation variant available for boosting performance even further
- A sustainable product made by recycled materials, and reduced waste during the process
- Four design variants to choose from: 2-rail, 3-rail, Monorail Inside Glazed, Monorail Outside Glazed
- Burglarproof variant available to meet the highest security and safety requirements

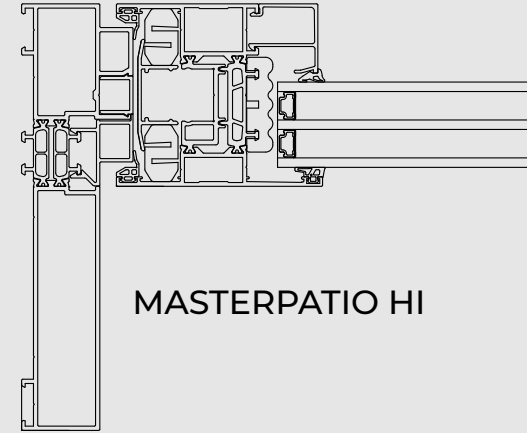
SYSTEM PARTS



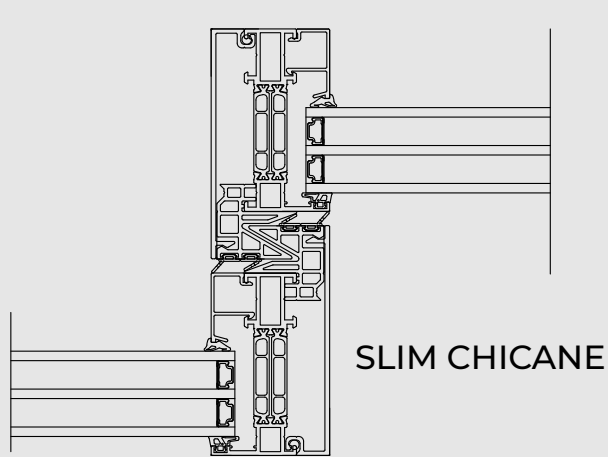
VARIANTS



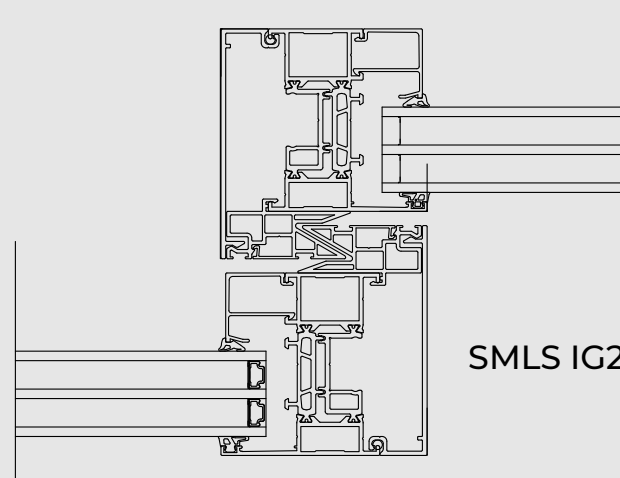
MASTERPATIO STANDARD



MASTERPATIO HI



SLIM CHICANE



SMLS IG2

MONORAIL OG

(Outside Glazed)

TECHNICAL SPECIFICATIONS

height	frame	2 1/3
visible width/height	sash	3 3/7
	chicane	3 3/7
	bipart (4-pane)	7 1/8
built-in depth	frame	7
	sash	3
maximum element height		12 1/7ft
maximum weight	manual sash	822 lb
	motorised sash vleugel	N/A
	fixed glass panel	2645 lb
rebate height		1
glass thickness		up to 2 4/9
glazing method		dry glazing with EPDM or neutral silicone
thermal break (recycled polyamide bars)	sash	1 3/5
	frame (bottom/top)	1 4/7
	frame (side)	1 1/9

MONORAIL OG

(Outside Glazed)



PERFORMANCES

energy	thermal isolation	U value of 0.23 to 0.44 Btu/(h · ft ² · °F)
comfort	air permeability	4 (600 Pa)
	water permeability	E900
	wind load, maximum test pressure	5 (2000 Pa)
	wind load, relative deformation	C (<1/300)
acoustics	(glass ->element)	Rw(C;Ctr) = 36 (-1.-5) dB ->34 (-2.-4) dB
		Rw(C;Ctr) = 41(-2.-4) dB ->37 (-1.-4) dB
		Rw(C;Ctr) = 45 (-2.-6) dB ->41(-2.-5) dB
		Rw(C;Ctr) = 52 (-1.-5) dB ->44 (-1.-3)dB

*depending on the frame/sash combination

MONORAIL IG

(Inside Glazed)

TECHNICAL SPECIFICATIONS

height	frame	2 1/3
visible width/height	sash	3 3/7
	chicane	3 3/7
	bipart (4-pane)	7 1/8
built-in depth	frame	7
	sash	3
maximum element height		12 1/7ft
maximum weight	manual sash	822 lb
	motorised sash vleugel	N/A
	fixed glass panel	2645 lb
rebate height		1
glass thickness		up to 2 4/9
glazing method		dry glazing with EPDM or neutral silicone
thermal break (recycled polyamide bars)	sash	1 3/5
	frame (bottom/top)	1 4/7
	frame (side)	1 1/9

MONORAIL IG

(Inside Glazed)



PERFORMANCES

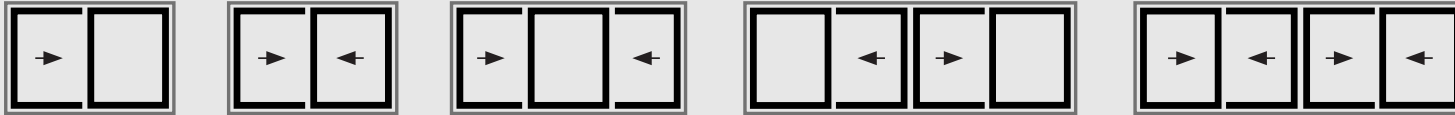
energy	thermal isolation	U value of 0.24 to 0.51 Btu/(h · ft ² · °F)
comfort	air permeability	4 (600 Pa)
	water permeability	E750
	wind load, maximum test pressure	5 (2000 Pa)
	wind load, relative deformation	C (<1/300)
acoustics	(glass ->element)	Rw(C;Ctr) = 36 (-1.-5) dB ->34 (-2.-4) dB
		Rw(C;Ctr) = 41(-2.-4) dB ->37 (-1.-4) dB
		Rw(C;Ctr) = 45 (-2.-6) dB ->41(-2.-5) dB
		Rw(C;Ctr) = 52 (-1.-5) dB ->44 (-1.-3)dB

*depending on the frame/sash combination

2 - RAIL

TECHNICAL SPECIFICATIONS		
height	frame	2 1/3
visible width/height	sash	3 3/7
	chicane	3 3/7
	bipart (4-pane)	7 1/8
built-in depth	frame	7
	sash	3
maximum element height		12 1/7ft
maximum weight	manual sash	822 lb
	motorised sash vleugel	N/A
	fixed glass panel	2645 lb
rebate height		1
glass thickness		up to 2 4/9
glazing method		dry glazing with EPDM or neutral silicone
thermal break (recycled polyamide bars)	sash	1 3/5
	frame (bottom/top)	1 4/7
	frame (side)	1 1/9

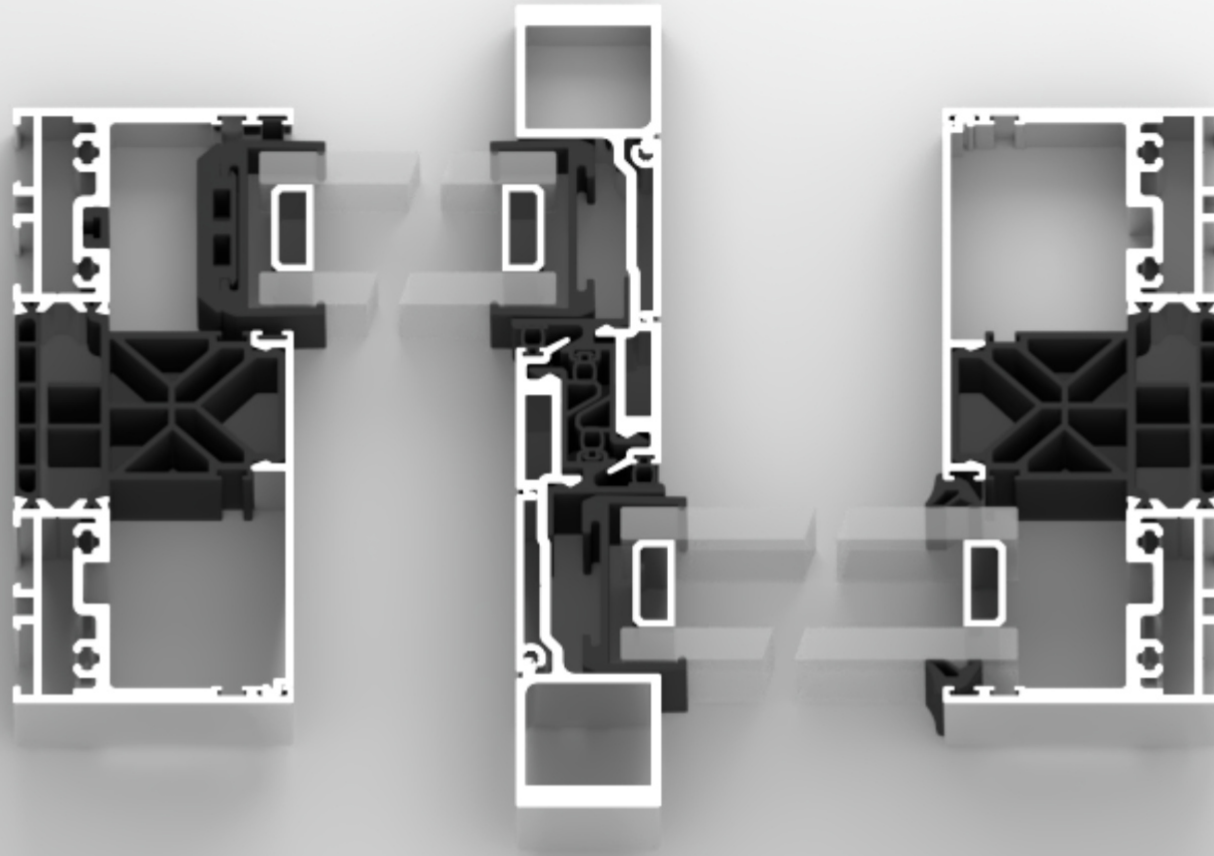
2 - RAIL



PERFORMANCES

energy	thermal isolation	Uf value of 0.26 to 0.51 Btu/(h · ft ² · °F)
comfort	air permeability	4 (600 Pa)
	water permeability	E1050
	wind load, maximum test pressure	3 (1200 Pa)
	wind load, relative deformation	C (<1/300)

*depending on the frame/sash combination



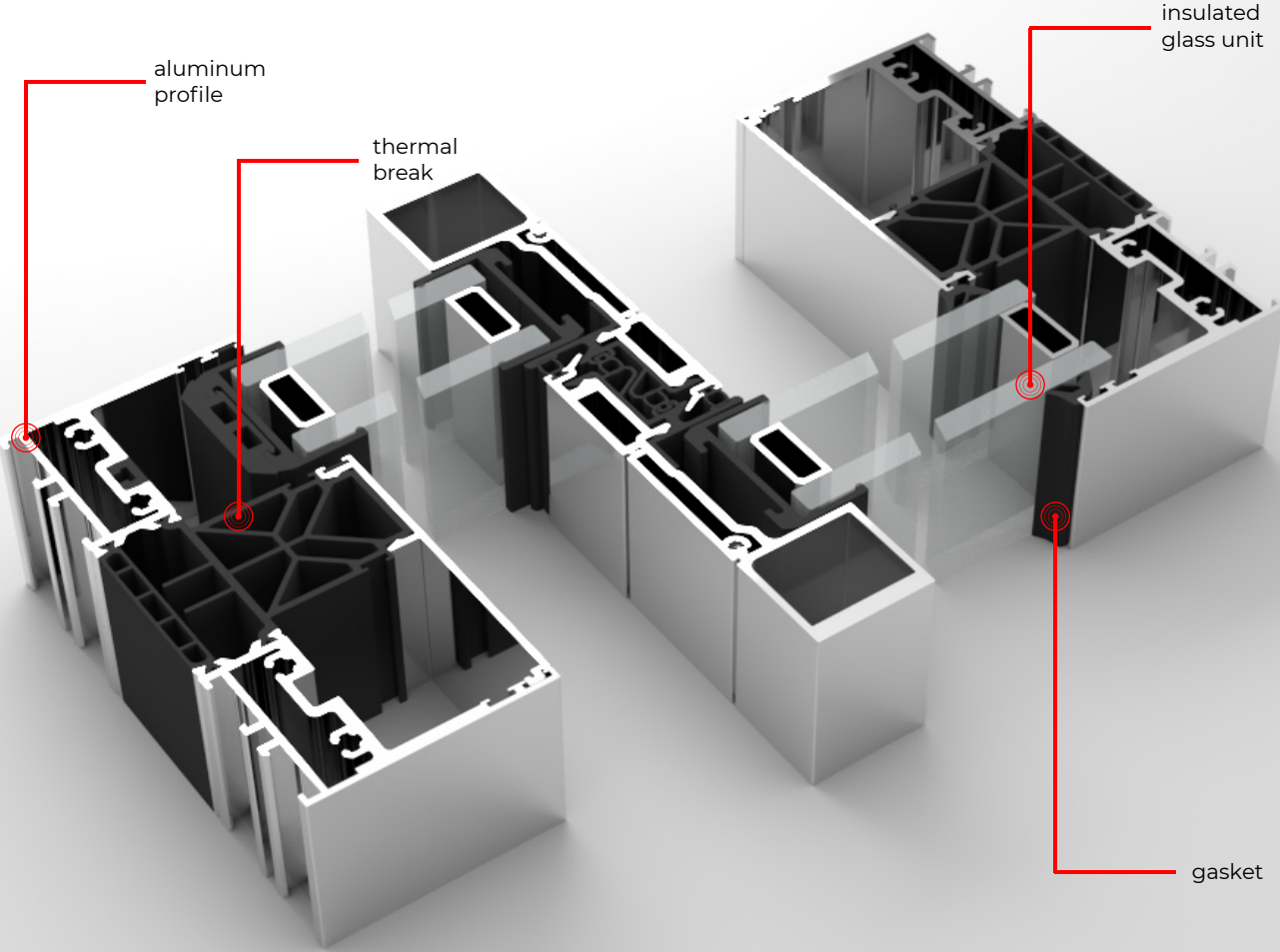
HiFinity

HiFinity is a high-quality aluminum sliding system that creates seemingly endless transparent surfaces with a minimalist look. A sliding system that combines spectacular views and impressive performances. The perfect choice for low-energy contemporary buildings.

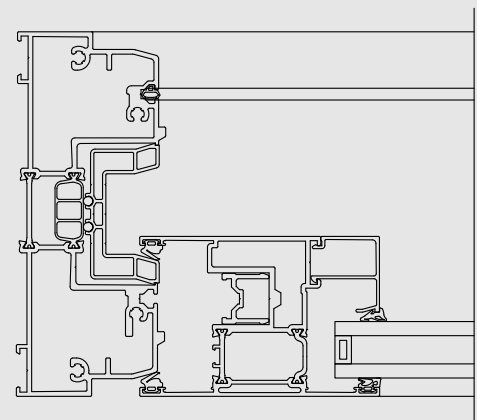
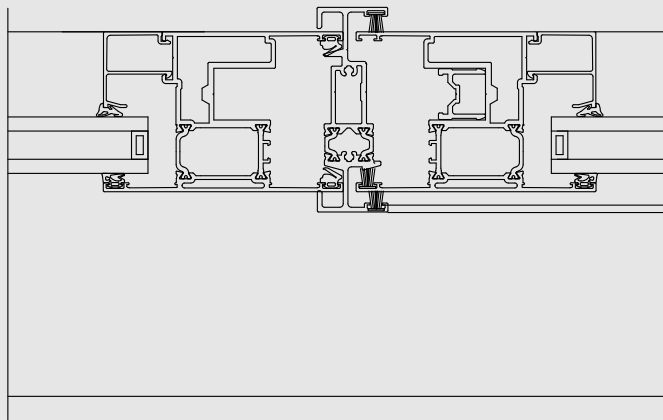
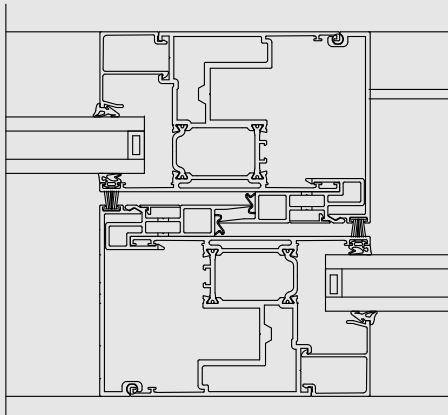
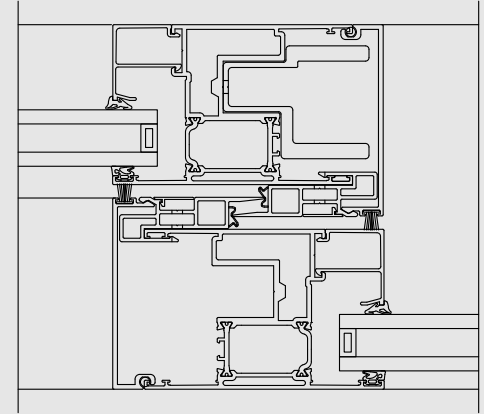
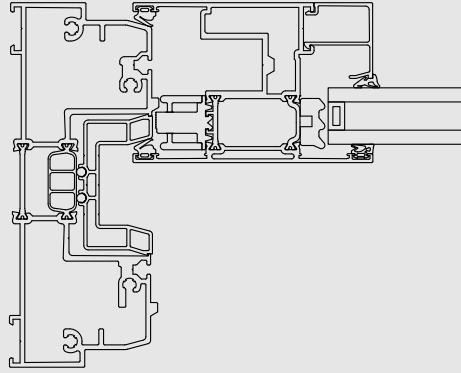
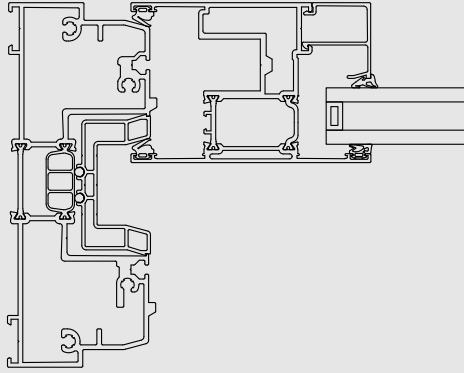
Benefits:

- Minimal look with ultra slim sightlines
- Perfect choice for low-energy buildings
- 3-rail or 2-rail design options
- High Insulation variant available for best thermal and acoustic performance
- Burglarproof variant available for highest security and safety standards

SYSTEM PARTS







VARIANTS

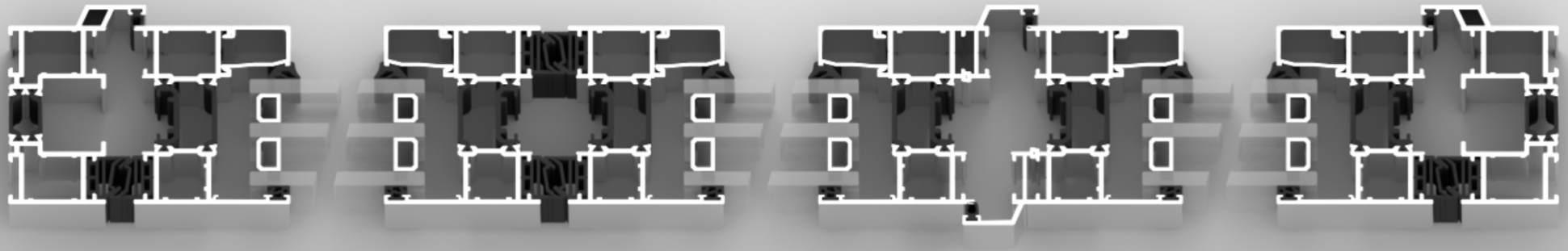


SYSTEM SPECIFICATIONS & PERFORMANCE

Profile Dimensions		System Depth (in.)				Visible Width (in.)			Max Weight	Vent Min-Max Sizes (in.)			
		Frame			Vent	Frame	Frame-Vent	Interlock Vent-Vent		Vent lbs	Min		Max.
		Mono	2-Rail	3-Rail									W
Hi-Finity 147 Frame	Double Glazed	N/A	5 4/5	9 1/4	13/4	0	1/4	13/8	1200	40	71	90	144
Hi-Finity 179 Frame	Large Dbl. Glazed	N/A	7 1/16	11 1/8	2 3/8				1200	40	71	122	144
Hi-Finity 179 Frame	Triple Glazed	N/A							Custom Solution				

Performance Specifications		CP 155-LS		CP 130-LS		Hi-Finity		
		Glazing	Double	Triple	Double	Triple	Double	Triple
	Thermal Insulation (Btu/hr·ft²·°F)	Uw	0.35	0.28	0.31	0.23	0.30	0.24
		SHGC	0.19	0.15	0.20	0.15	0.21	0.20
		Acoustic Performance ASTME90-09/1332	STC	40		37		45
		OITC	35		33		37	
	Air Tightness (cfm/ft²)		0.16		0.16		0.08	
	AAMA Rating		LC PG40		LC PG40		CW PG30	
	Water Tightness (psf)		6		6		8	

All results based on gateway sizes; vary depending on glass/profile combinations | Above Uw & SHGC values do not necessarily work in combination



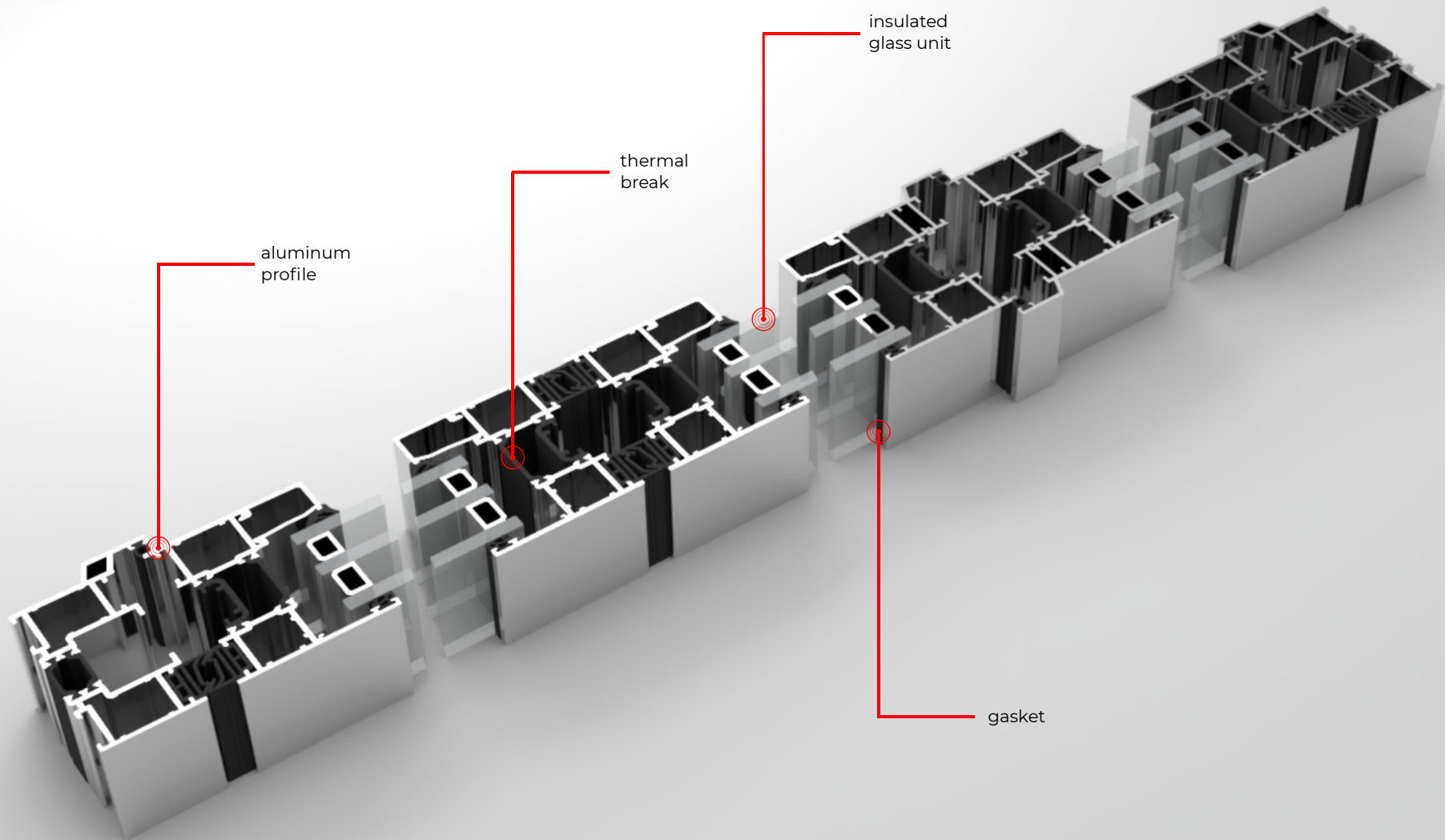
ConceptFolding 77

ConceptFolding 77 provides exceptional element sizes for maximal transparency and stunning aesthetics. Nature and indoors come closer together as the aluminum folding door system connects up to eight vents to draw the exterior inside.

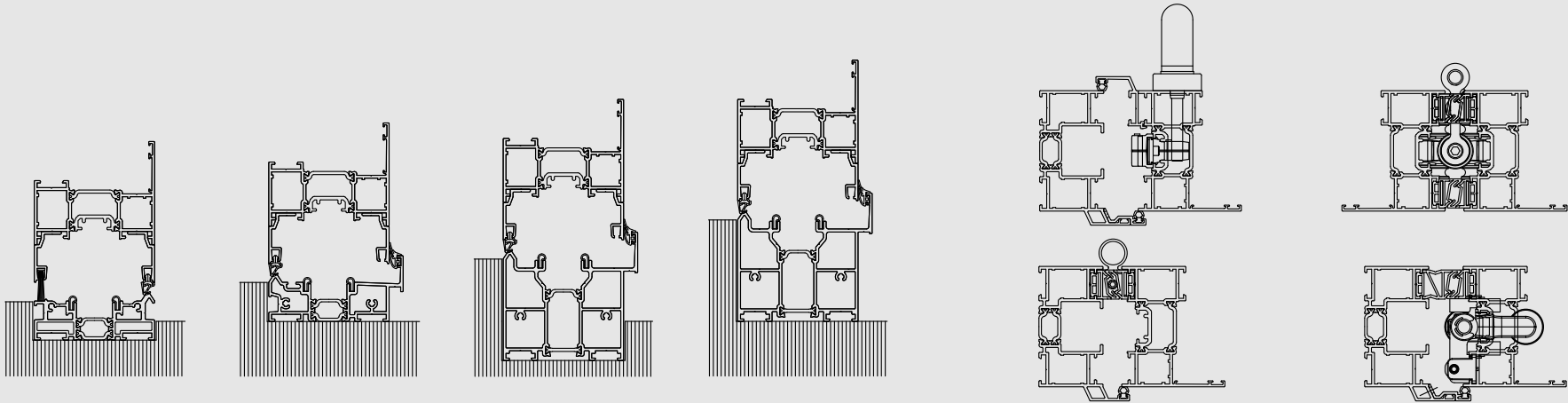
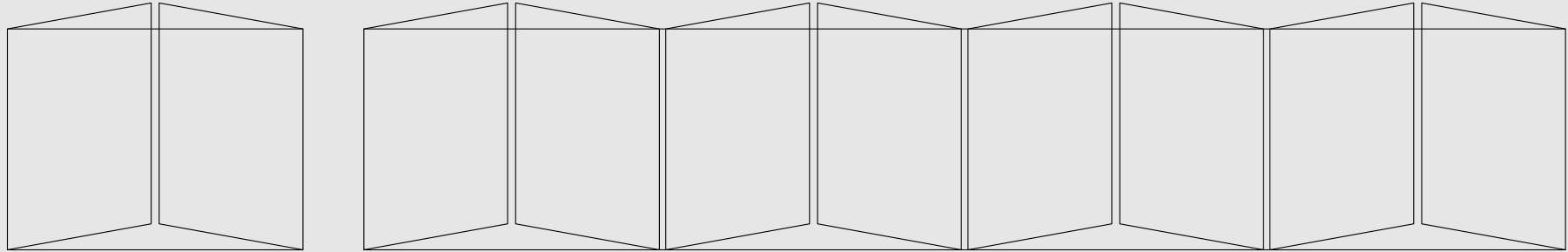
Benefits:

- High-quality and high thermal performance
- Connects up to 8 vents
- Available in two design options: Functional, SlimLine
- High-insulation variant available for higher performance requirements
- Burglar proof variant available for extra security and safety

SYSTEM PARTS








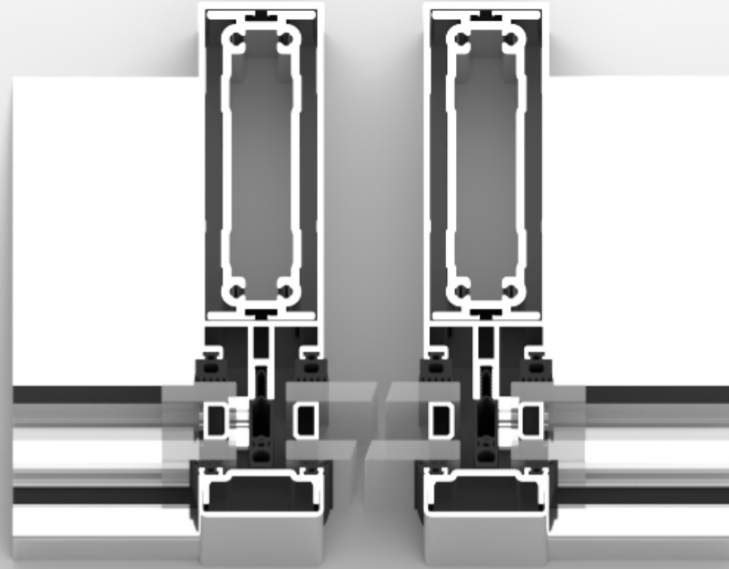
VARIANTS



SYSTEM SPECIFICATIONS & PERFORMANCE

TECHNICAL CHARACTERISTICS	
Max. height vent	118 1/8"
Max. width vent	47 1/4"
Overall system depth frame	3 1/16"
Overall system depth vent	3 1/16"
Rebate height	1"
Min. glass thickness	1/4"
Max. glass thickness	2 1/2"
Max. frame height	120"
Thermal break	Fibreglassreinforced polyamide strips

PERFORMANCE SPECIFICATIONS			FUNCTIONAL FRAME		SLIMLINE FRAME		
ENERGY							
	Thermal Insulation ⁽²⁾ (Btu/hr·ft ² ·°F) per NFRC 102		Double	Triple	Double	Triple	
		Open in	Uw	0.35	0.26	0.34	0.28
			SHGC	0.16	0.14	0.16	0.14
		Open out	Uw	0.36	0.29	0.34	0.28
			SHGC	0.16	0.14	0.16	0.14
COMFORT							
	Acoustic performance ASTM E90-09/1332	STC	45				
		OITC	38				
	Air tightness, max. test pressure (cfm/ft ²)	0.1					
	Water tightness, with large threshold (psf)	8					
	AAMA Rating AAMA/WDMA/CSA 101/I.S.2/A440,NAFS	SP PG55					



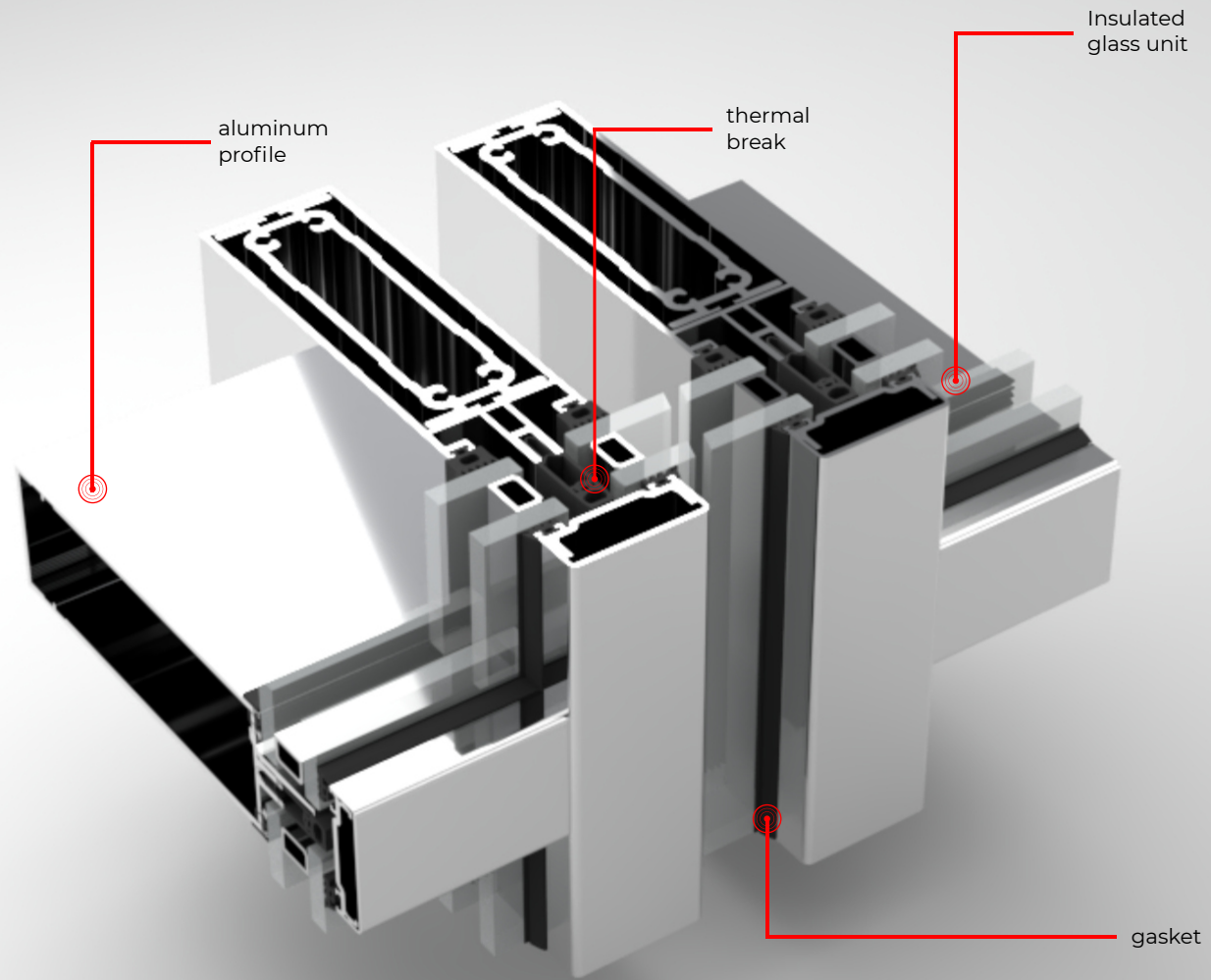
Concept Wall 50

ConceptWall 50 is a curtain wall facade and roof system that offers incredible building speed, unlimited design freedom and exceptional performance. High insulated variants make this system energy efficient up to Passive House Standards.

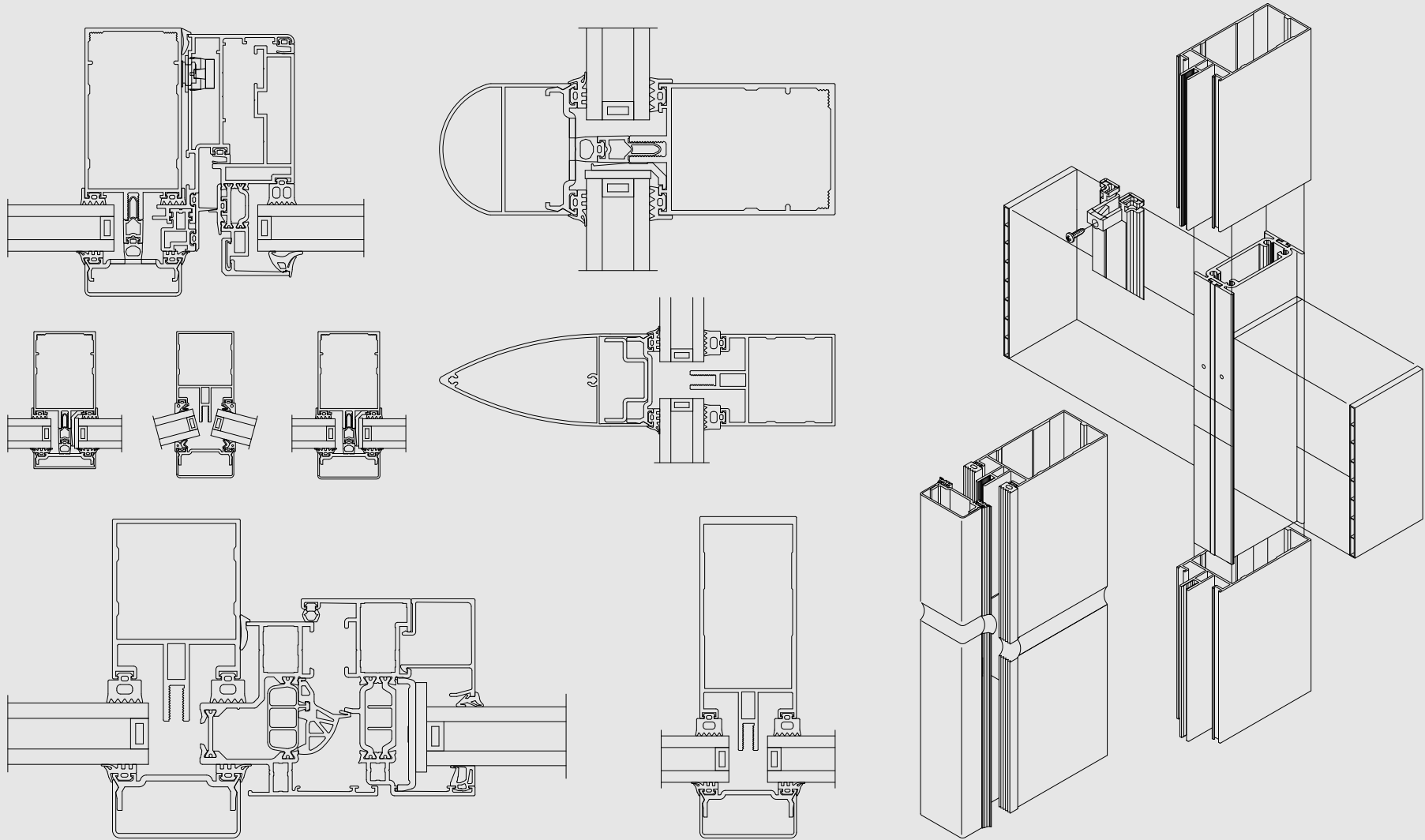
Benefits:

- Excellent thermal performance
- Wide range of design variations
- Suitable for Passive House
- Suitable for LEED-certified green buildings
- Easy to install

SYSTEM PARTS








VARIANTS



SYSTEM SPECIFICATIONS & PERFORMANCE

TECHNICAL CHARACTERISTICS				
Style variants	CW 50	CW 50-HI	CW 50-SC	CW 50-HL
	functional	ultimate thermal comfort	structural clamped glazing	aesthetical horizontal lining
Interior visible width	1 15/16"	1 15/16"	1 15/16"	1 15/16"
Exterior visible width	1 15/16"	1 15/16"	joint: 13/16"	vertical: 13/16" joint horizontal: 115/16"
Depth mullions	from 15/8" - 1113/16"	from 15/8" - 1113/16"	from 15/8" - 1113/16"	from 15/8" - 1113/16"
Depth transoms	from 3/16" - 7 5/8"	from 3/16" - 7 5/8"	from 3/16" - 7 5/8"	from 3/16" - 7 5/8"
Inertia mullions (lx: wind load)	min 14cm ⁴ - max 2690 cm ⁴	min 14cm ⁴ - max 2690 cm ⁴	min 14cm ⁴ - max 2690 cm ⁴	min 14cm ⁴ - max 2690 cm ⁴
Inertia transoms (lx: wind load)	min 4 cm ⁴ - max 612cm ⁴	min 4 cm ⁴ - max 612cm ⁴	min 4 cm ⁴ - max 612cm ⁴	min 4 cm ⁴ - max 612cm ⁴
Inertia transoms (ly: glass load)	min 8 cm ⁴ - max 59 cm ⁴	min 8 cm ⁴ - max 59 cm ⁴	min 8 cm ⁴ - max 59 cm ⁴	min 8 cm ⁴ - max 59 cm ⁴
Exterior face caps	different shapes available	different shapes available	not applicable	different shapes available
Glazing	fixing by pressure plates	fixing by pressure plates	continuously clamped and locally clamped solution	vertical: continuously clamped and locally clamped solution horizontal: fixation by pressure plate
Rebate height	13/16"	13/16"	structural sealed glazing	13/16" / structural sealed glazing
Glass thickness	from 1/4" - 2 3/8"	from 7/8" - 2 3/8"	from 11/16" - 2 1/2"	from 7/8" - 17/8"
Opening types (see description)	1- 2 - 3 - 4 - 5	1- 2 - 3 - 4 - 5	1- 2 - 3 - 5	1- 2 - 3 - 5
Roof application	yes	yes	yes	no

Style variants	CW 50-VL	CW 50-SG	CW 50-SL	CW 50 ON STEEL	CW 50-TT
	aesthetical vertical lining	structural sealed glazing	slender appearance	designed for steel structure	rationalized system
Interior visible width	1 15/16"	1 15/16"	9/16" 115/16"	1 15/16"	1 15/16"
Exterior visible width	vertical: 115/16" horizontal: 13/16" joint	EPDM gasket (width 11/16")	1 15/16"	1 15/16"	1 15/16"
Depth mullions	from 15/8" to 1113/16"	from 15/8" to 1113/16"	from 4 14/16" to 6 5/8"	2"	-
Depth transoms	from 3/16" to 7 5/8"	from 3/16" to 7 5/8"	from 3 7/16" to 6 13/16"	from 3/16" to 2 5/16"	from 3 5/16" to 9 1/8"
Inertia mullions (lx: wind load)	min 14cm ⁴ - max 2690 cm ⁴	min 14cm ⁴ - max 2690 cm ⁴	min 160cm ⁴ - max 381cm ⁴	-	-
Inertia transoms (lx: wind load)	min 4 cm ⁴ - max 612cm ⁴	min 4 cm ⁴ - max 612cm ⁴	min 73cm ⁴ - max 436 cm ⁴	min 4 cm ⁴ - max 16cm ⁴	min 74cm ⁴ - max 937 cm ⁴
Inertia transoms (ly: glass load)	min 8 cm ⁴ - max 59 cm ⁴	min 8 cm ⁴ - max 59 cm ⁴	min 9 cm ⁴ - max 24 cm ⁴	min 8 cm ⁴ - max 13cm ⁴	min 23 cm ⁴ - max 68 cm ⁴
Exterior face caps	different shapes available	N/A	different shapes available	different shapes available	different shapes available
Glazing	vertical: fixation by pressureplate horizontal: continuously clamped & locally clamped solution	structural glazing glued on cassettes	fixing by pressure plates / clamped	fixing by pressure plates / clamped	fixing by pressure plates / clamped
Rebate height	13/16" / structural sealed glazing	structural sealed glazing	13/16"	13/16"	13/16"
Glass thickness	from 11/16" - 19/16"	from 15/16" - 17/16"	from 1/4" - 2 3/8"	from 1/4" - 2 3/8"	from 7/8" - 17/8"
Opening types (see description)	1- 2 - 3 - 5	1- 2 - 5	1- 2 - 3 - 4 - 5	1- 2 - 3 - 4 - 5	1- 2 - 3 - 5
Roof application	yes	no	yes	yes	no

PERFORMANCE SPECIFICATIONS ⁽¹⁾		CW 50		CW 50-SlimLine		CW 50-SC		
ENERGY								
	Thermal Insulation ⁽²⁾ (Btu/hr·ft ² ·°F) per NFRC 102	Glazing	Double	Triple	Double	Triple	Double	Triple
		Uw	0.23	0.14	0.23	0.14	0.23	0.14
		SHGC	0.25	0.18	0.25	0.18	0.25	0.18
COMFORT								
	Acoustic performance ⁽³⁾ ASTM E90-09/1332	STC	41		41		39	
		OITC	35		35		34	
	Air tightness, max. test pressure ⁽⁴⁾ (cfm/ft ²)		0.02		0.02		0.04	
	Water tightness ⁽⁵⁾ (psf)		15		15		15	
	AAMA Rating AAMA/WDMA/CSA 101/I.S.2/A440,NAFS		90 Structural Overload		90 Structural Overload		90 Structural Overload	



info@simpas.gr

www.simpasus.com

WhatsApp Number: +30 697 668 9259

OLD TOWN
GLASS

700 Grant Ave
Novato, CA 94945
707-559-7047
otglass.com