

W59 SI²

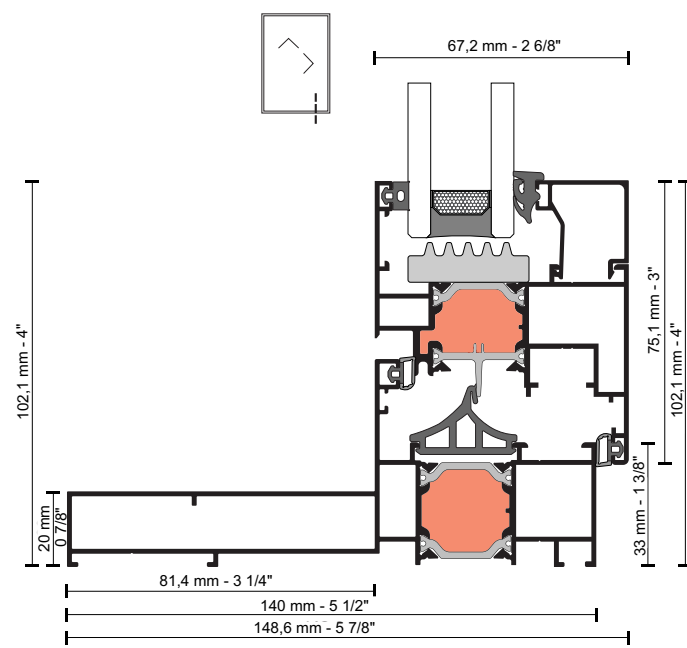
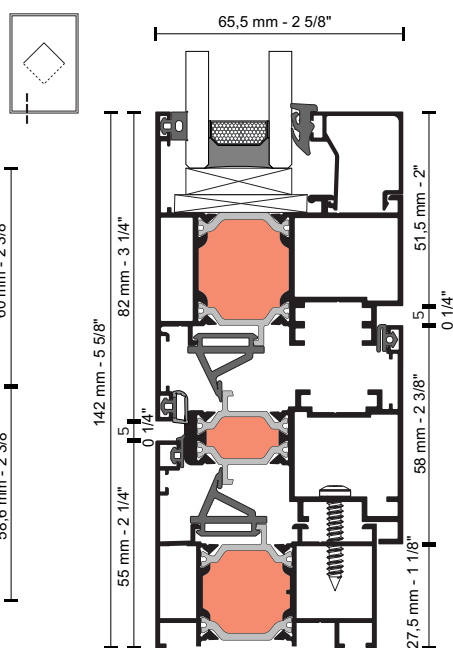
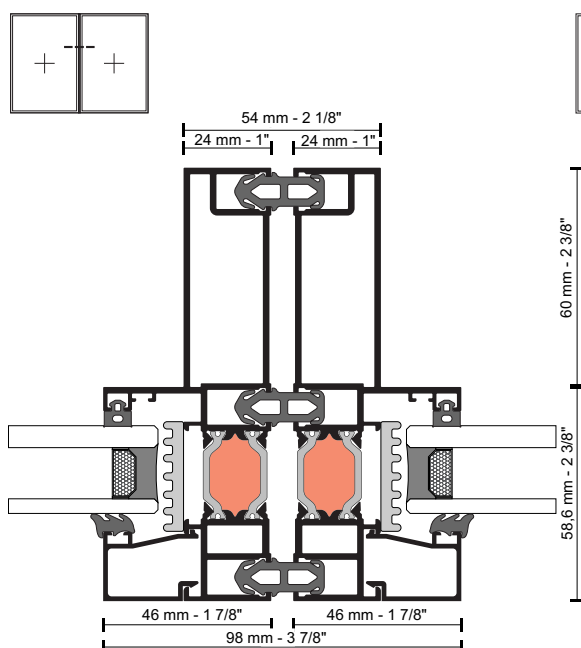
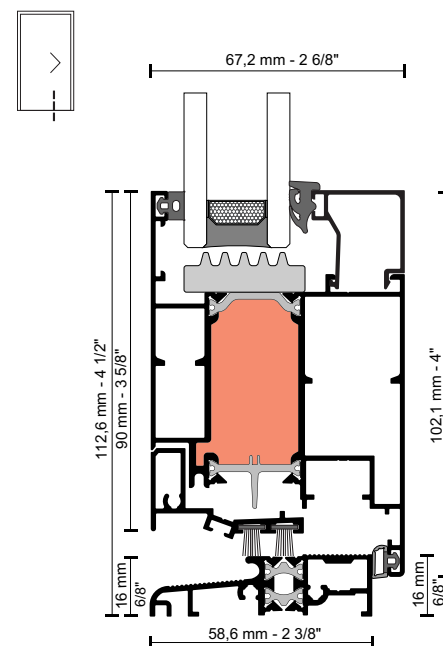
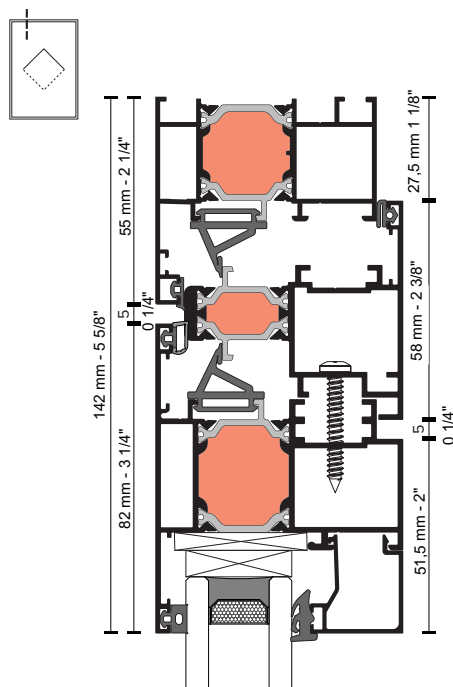
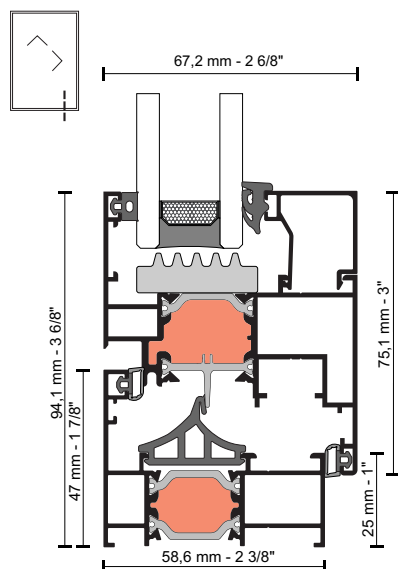


OPENING SYSTEM

Imagine a place where novelties and custom co-exist in a wonderful accord, where everything is measured by how it achieves a balance between antagonistic elements, and where what you imagine can be realized and shared with a community. This is the inspiration we drew upon to create W59 SI².

W59 SI²

This solution meets the challenges of a project that must withstand diverse climatic conditions and lifestyles

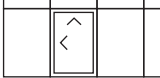


TYPOLOGIES

INWARD OPENING CONSTRUCTIONS

	Single sash fixed		Single sash tilt & turn with fixed parts using contractions and expansions
	Single sash fixed with skylight		Double sash opening
	Single sash opening		Double sash tilt & turn
	Single sash tilt & turn		Double sash angular tilt & turn
	Single sash tilt & turn with fixed part		Double sash angular fixed
	Single sash pivot with vertical axis		Double sash fixed
	Single sash pivot with horizontal axis		

OUTWARD OPENING CONSTRUCTIONS

	Single sash opening window door		Double sash opening window door
	Single sash opening window door with fixed part		Double sash angular opening
	Single sash projected		Special typology window wall

TECHNOLOGY

THERMAL INSULATION

- 1 **24mm** Insulating Bars
- 2 Glazing Gaskets with **Fins**
- 3 **ELVIAL I²** _ Innovative Insulation Technology
- 4 Foam **Insulating** Profile

SEALING SYSTEM

- 1 Optimal 3-level Waterproofing with specially designed **EPDM** and Co-extruded Gasket
- 2 **Drainage** Channels
- 3 **EPDM** Gasket Corners
- 4 **EPDM** Accessory for Adjoining Profile End Cap

EXTRA FEATURES

HANDLES FOR UNIQUE STYLE

COLORS



Black



Inox Satine



Natural Anodized

ENERGY LEVELS



Level **1**
*Uf: ≥ 2.3 W/m²K



Level **2**
*Uf: ≥ 2.0 W/m²K

*Energy performances concern the specific sash-frame combination



Level **3**
*Uf: ≥ 1.9 W/m²K

IDENTITY

DESIGN

PROPERTIES



Max Sash Height		2.300 mm - 90 9/16"
Max Sash Width		1.000 mm - 39 3/8"
Max Sash Weight		130 kg - 287 lb
Max Glass Thickness		46 mm - 1 13/16"

ELVIAL W59 SI² offers you endless solutions in both
European groove mechanism [**CE**] and Multilock groove mechanism [**ML**]

PERFORMANCE

ENERGY

Thermal Insulation Uf	EN ISO 10077-2	≥1.8 W/m ² K
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2-Sash Construction 1.000 x 2.200 mm	Double Glazing, Ug = 1.1 W/m ² K with Swisspacer Ultimate	Uw ≥ 1.6 W/m²K
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COMFORT

Air Permeability	EN 12207	Class 4 [600Pa]
Watertightness	EN 12208	E1650 [1.650Pa]
Resistance to Wind Load	EN 12210	C5 / B5 [2.000Pa]
Sound Reduction	EN 10140-2	40dB ^{Glazing} 33.1/16/44.1

NAFS
*For fixed and inward - outward opening

AAMA Rating		Class CW*
PG Rating		100*

System by:

elviql

LEA

Windows and Doors