

ICONIC

W77 AI²

elvial



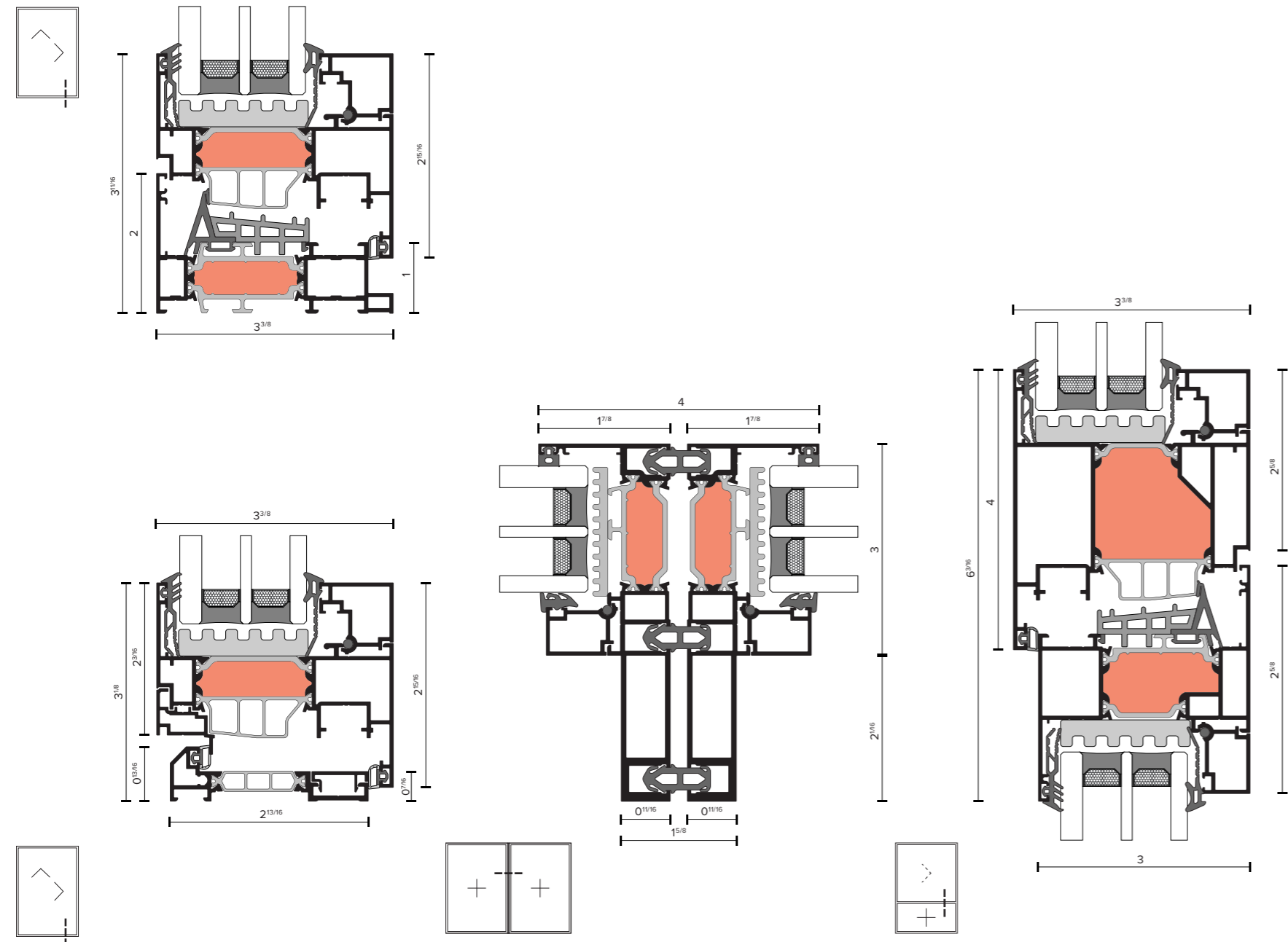
OPENING SYSTEM

We designed the ICONIC W77 AI² collection and incorporated the most advanced technologies in terms of energy efficiency, sealing and security, creating design solutions for iconic architectural projects.

ICONIC

W77 AI²

Open up to new fields. Explore new possibilities.
 Disregard scale and circumstance.
 This flexible and adaptable solution, is ideal.
 Design and construct projects that will make a difference.



INWARD OPENING CONSTRUCTIONS

	Single sash fixed		Double sash fixed
	Single sash fixed with skylight		Double sash opening
	Single sash opening		Double sash tilt & turn
	Single sash tilt & turn		Single sash tilt & turn with fixed parts using contractions and expansions
	Single sash fixed tilt & turn		

OUTWARD OPENING CONSTRUCTIONS

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

TYPOLOGIES

INWARD OPENING CONSTRUCTIONS



Single sash fixed



Double sash fixed



Single sash fixed with skylight



Double sash opening



Single sash opening



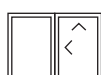
Double sash tilt & turn



Single sash tilt & turn



Single sash tilt & turn with fixed parts using contractions and expansions



Single sash fixed tilt & turn

OUTWARD OPENING CONSTRUCTIONS



Single sash opening window door



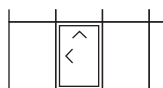
Double sash opening window door



Single sash opening window door with fixed part



Single sash projected



Special typology window wall

TECHNOLOGY

THERMAL INSULATION

- 1 **1⁵/₈ in** Insulating Bars with glass fiber reinforcement **25%**
- 2 **ELVIAL I²**_ Innovative Insulation Technology
- 3 **Co-Extruded** Gasket
- 4 Foam **Insulating** Profile

ADVANCED SEALING SYSTEM

- 1 Optimal 3-Level Waterproofing with specially designed **EPDM** and Co-extruded Gaskets
- 2 **EPDM** Gasket Corners
- 3 **EPDM** End Caps for **Adjoining Profile**

INNOVATION

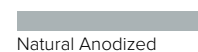
- 1 **Ghost Glazing Gaskets** Minimizes the visible facet and renders the gaskets practically invisible

EXTRA FEATURES

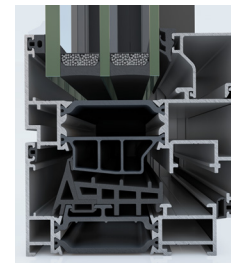
HANDLES FOR UNIQUE STYLE



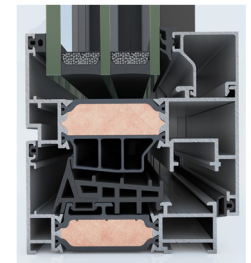
COLORS



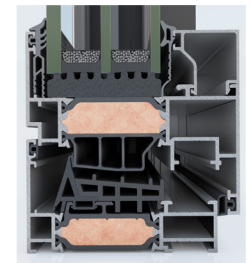
ENERGY LEVELS



Level 1
Uf: ≥ 0.28 Btu/hr.ft².°F







Level 2
Uf: ≥ 0.15 Btu/hr.ft².°F







Level 3
Uf: ≥ 0.13 Btu/hr.ft².°F

IDENTITY

DESIGN

Frame Depth		3	in
Min Face Height Frame - Sash		3^{1/2}	in
Min Face Height Threshold - Sash		3^{1/8}	in
Min Face Height Middle Mullion		6^{1/16}	in

PROPERTIES

Max Sash Height		110^{1/4}	in
Max Sash Width		55^{1/8}	in
Max Sash Weight		396	lb
Max Glass Thickness		2^{3/4}	in

ICONIC W77 AI² offers you endless solutions in both
European groove mechanism [**CE**] and Multilock groove mechanism [**ML**]

PERFORMANCE

ENERGY

Thermal Insulation Uf	EN ISO 10077-2	≥0.13 Btu/hr.ft².°F
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COMFORT

Air Permeability	EN 12207	Class 4 [12.53 Psf]
Watertightness	EN 12208	E1200 [25.06 Psf]
Resistance to Wind Load	EN 12210	C5 / B5 [41.77 Psf]
Sound Reduction	EN 10140-2	48 dB ^{Glazing} 3.47/0.94/2.60

NAFS

*For fixed and inward - outward opening

AAMA Rating		Class AW*
PG Rating		100*

SEE LIFE FROM A DIFFERENT
VIEW THROUGH ELVIAL'S
ALUMINUM SYSTEMS

DISCOVER OUR INNOVATIVE TECH

ELVIAL I² INSULATION TECHNOLOGY
ELVIAL PRE-ANODIZING 2IN1

DISCOVER MORE ARCHITECTURAL SYSTEMS

ICONIC W77BS AI²
ICONIC W77ST AI²

ESSENCE W67 HI²
ESSENCE W67BS HI²
ESSENCE W67ST HI²

MINIMAL LOOK SL68 AI²
MINIMAL LOOK SL52 HI²
MINIMAL LOOK SL52 HI
AOPATO MEΣA & EΞΩ

ESSENCE SL60 HI²
ESSENCE SL60 HI² FLAT EDITION
ELVIAL SL60 HI² CLASSIC
ESSENCE SL50 HI² FLAT EDITION
ELVIAL SL50 HI² CLASSIC

ELVIAL SL46 SI² CLASSIC
ELVIAL SL46 SI² FLAT EDITION
ELVIAL SL46 SI²_MD

ESSENCE FD77

ICONIC D77 AI²
ESSENCE D67 HI²

ESSENCE SD55
ESSENCE CLADDING CL180