

ELVIAL

elvial

FS50_SG

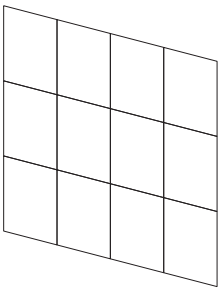
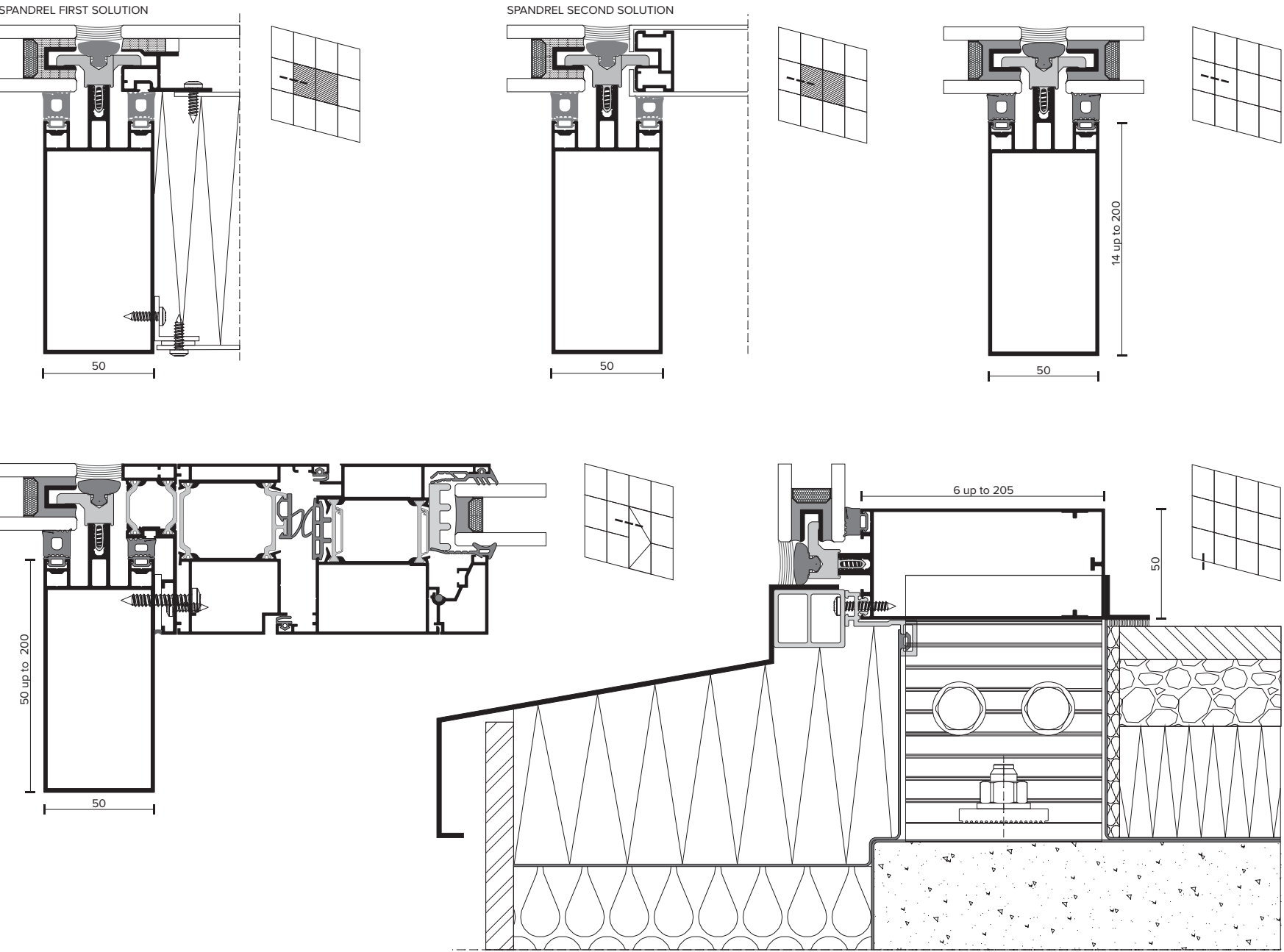


FACADES

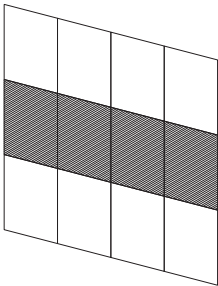
When a space seems crafted from light and glass, the aesthetic result is enchanting. Extensive glass surfaces that act as mirrors of the surrounding environment and as vast windows for users are one of the most captivating features of modern architecture.

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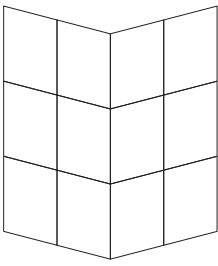
Choose this solution to create a refined aesthetic result
with top-notch functional performance



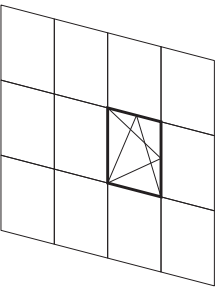
VERTICAL



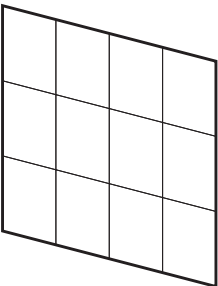
SPANDREL



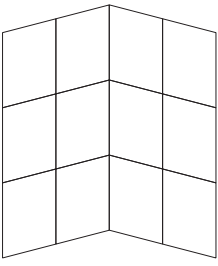
INNER ANGLE CORNER



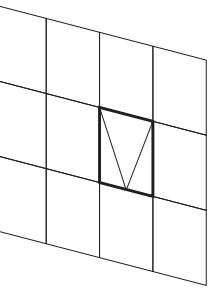
WINDOW



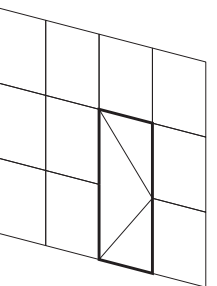
FINISHINGS



OUTER ANGLE CORNER



PROJECTED OUT



MAIN ENTRANCE

TECHNOLOGY

THERMAL
INSULATION

- 1

Use of specially designed gaskets, additional profiles and **insulation bars** for high thermal insulation, excellent sealing and impeccable finish
- 2

Glazing options up to **38mm** for exceptional levels of energy saving and sound reduction

ADVANCED
SEALING SYSTEM

- 1

3-level drainage system
- 2

Innovative design of **divided gaskets** for ultimate continuity and repeatability in sealing
- 3

Use of a **special sealing accessory** in the mullion connection area

DESIGN
FREEDOM

ATTENTION
TO DETAIL

- 1

Capability to create large **grids**.
[max glazing weight 400kg]
- 2

Capability of **same level appearance** inside or shade creation
- 3

Mullion - Transom connection with the application of a **special foam gasket** that on the one hand absorbs the contractions and expansions and on the other hand does not change the internal appearance of the frame
- 4

Atrium constructions with the use of **special components** that ensure perfection of construction and cover architectural needs
- 5

Compatible with all **ELVIAL** opening systems platform

IDENTITY

DESIGN

PROPERTIES

PERFORMANCE

COMFORT

NORTH AMERICA
TESTED

Mullion and Transom Depth			50		mm
Mullion Height			14	up to 200	mm
Transom Height		first level	6	up to 205	mm
		second level	49	up to 199	mm
Max Glass Thickness			38		mm

Air Permeability	EN 12152		Class AE	[750Pa]
Watertightness	EN 12154		Class RE	[1.200Pa]
Resistance to Wind Load	EN 13116	design load	± 2.0 kN/m²	
		safety load	± 3.0 kN/m²	
Air Permeability	ASTM E283-04		< 0.2 L/s*m² (300 Pa)	
Watertightness	ASTM E331-00 / AAMA 501.1-17		720 Pa	
Resistance to Wind Load	ASTM E330-14	design load	± 3000 Pa	
		safety load	± 4500 Pa	

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

DISCOVER OUR INNOVATIVE TECH

ELVIAL I² INSULATION TECHNOLOGY
ELVIAL PRE-ANODIZING 2IN1

**DISCOVER MORE
ARCHITECTURAL SYSTEMS**

ICONIC W77 AI²
ICONIC W77BS AI²
ICONIC W77ST AI²

ESSENCE W67 HI²
ESSENCE W67BS HI²
ESSENCE W67ST HI²

ELVIAL W60BS SI²
ELVIAL W89 PHI²
ELVIAL W92 HI² AW
ELVIAL W59 SI²

ICONIC D77 AI²
ESSENCE D67 HI²

ELVIAL FS50
ESSENCE SD55
ESSENCE CLADDING CL180

ELVIAL 7600
ACOUSTIC LOUVER