
INSOL®
LOUVRE COLLECTION

"The right louvres enhance and define the character of a building.

Then beyond the aesthetics, they deliver real benefits for solar control, screening and occupant comfort.

All louvre profiles are also tested in our Wind Tunnel. It's the ultimate quality control that only Insol can offer."

Greg Simmons, CEO

Our story begins in the 1950s, when our family first picked up tools and started a lifelong journey in the construction industry. Generations later, that same spirit of craftsmanship and problem-solving still drives us.

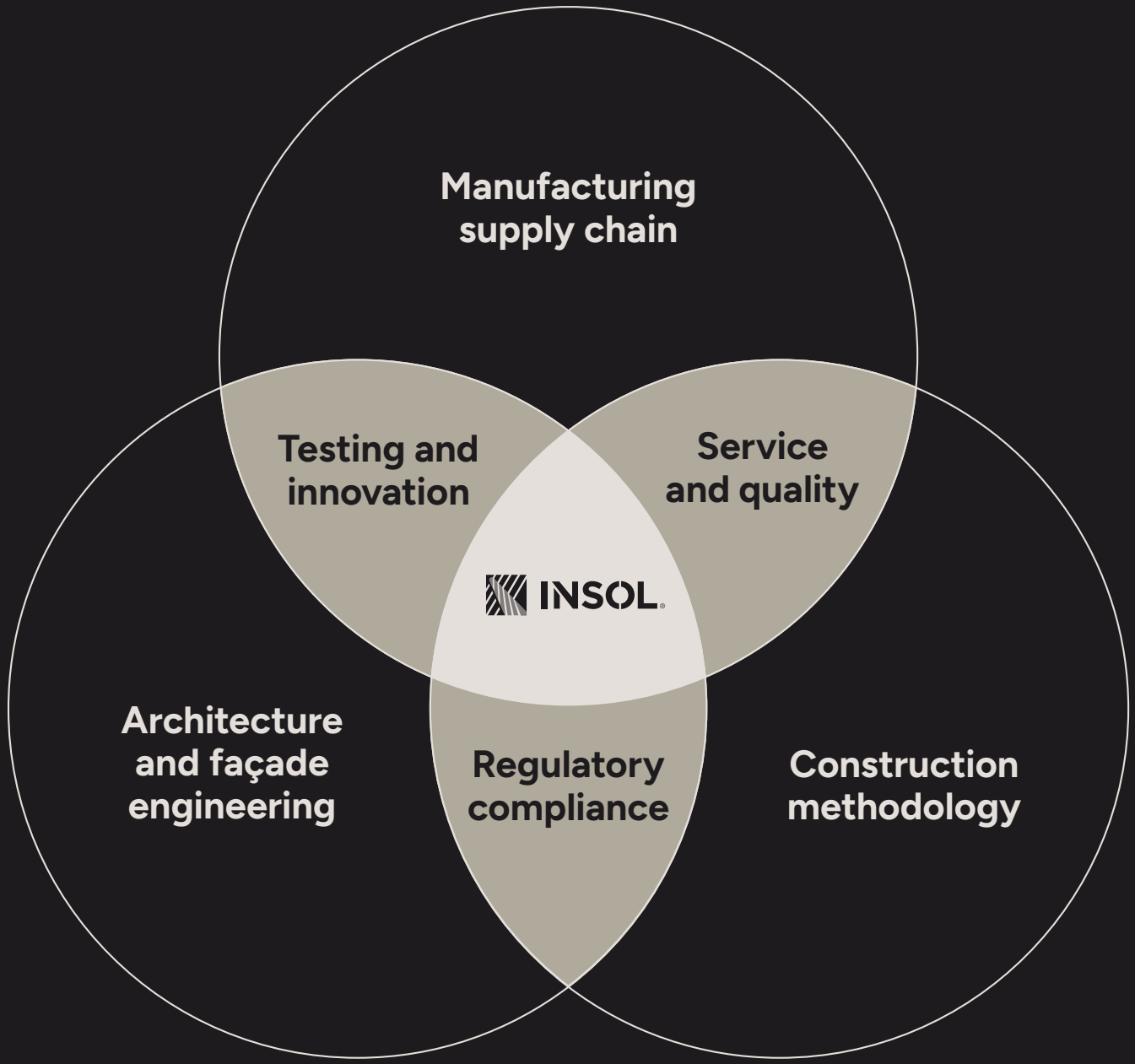
By the early 2000s, architectural louver systems around the world were evolving and becoming more complex, more refined, and more design-driven. Out of a vision to bring that level of innovation to our market, Insol was founded.

From day one, the goal was never just to supply products. We set out to adapt, engineer, and improve solutions so they worked for our environment, our buildings, and our clients. Over time, that vision grew: not just to follow design trends, but to lead them by designing, manufacturing, and installing everything ourselves.

Today, we partner with architects, contractors, and developers by delivering confidence at every stage of the process. Our in-house testing capabilities (including our custom-built wind tunnel) set us apart. They allow us to validate performance, prove durability, and ensure that every façade system meets the highest standards before it ever goes on-site.

That rigorous, test-driven approach reduces risk and helps our partners deliver outstanding buildings with fewer surprises. Combined with our team of designers, engineers, and project managers, we don't just bring ideas to life, we make sure they stand the test of time.

We remain a family company, but today our focus is firmly on the future: helping the industry build better, smarter, and more resilient façades through innovation and testing.



The Insol Wind Tunnel

With the ability to generate a constant wind speed of up to 200 km/h (124 mph), the Wind Tunnel at the Insol Facade Testing Laboratory is unique in the Southern Hemisphere.

Louvre profiles, connection details, and assemblies can be tested at full scale. Wind related issues such as wind noise and aero-elastic flutter can be ironed out in the process. Performance and behavior of dynamic elements such as sliding or bi-folding screens can be determined in a safe environment.

This testing is unique to Insol.

For more information about the Wind Tunnel, please refer to our website or scanning the QR code below.

insolarchitectural.com/windlab

WindLab™

AURORA™

The AURORA™ louvre system is a comprehensive range of aerofoil louvres and accompanying bracketry designed with features that provide versatility, shading, screening, size options, and a unique architectural statement.

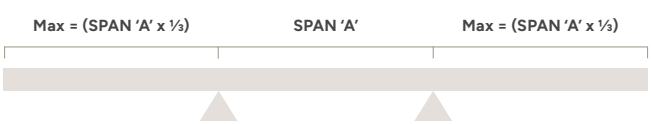
38 Glenda Drive Office, Queenstown.
Aurora 200 Louvre.

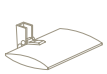
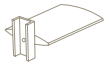
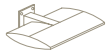
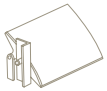
Profile data

AURORA™ Aerofoil Single Piece Louvre Blades

The AURORA™ louvre system is a comprehensive range of aerofoil louvres and accompanying bracketry designed with features that provide versatility, shading, screening, size options, and a unique architectural statement.

Wind zone speed		Factored pressure	
Low:	32 m/s (105 ft/s)	Low:	0.88 kPa (18.38 psf)
Medium:	33 to 37 m/s (108 to 121 ft/s)	Medium:	1.18 kPa (24.64 psf)
High:	38 to 44 m/s (125 to 144 ft/s)	High:	1.68 kPa (35.09 psf)
Very High:	45 to 50 m/s (148 to 164 ft/s)	Very High:	2.17 kPa (45.32 psf)



Profiles	Product number	Overall dimensions (w x d)	Weight	Max span by wind zone		Clasp bracket mount	End mount	Spigot mount	Operable mount
	AU-LVR 90	90 mm x 12 mm 3.55" x 0.47"	0.743 kg/m 0.499 lb/ft	Low: Medium: High: Very High:	1.8 m / 5.9 ft 1.6 m / 5.2 ft 1.4 m / 4.6 ft 1.2 m / 3.9 ft	●	●		
	AU-LVR 110	110 mm x 18 mm 4.33" x 0.70"	1.277 kg/m 0.858 lb/ft	Low: Medium: High: Very High:	2.6 m / 8.5 ft 2.4 m / 7.9 ft 2.2 m / 7.2 ft 2.0 m / 6.6 ft	●	●		●
	AU-LVR 120	120 mm x 12 mm 4.72" x 0.47"	0.941 kg/m 0.632 lb/ft	Low: Medium: High: Very High:	1.8 m / 5.9 ft 1.6 m / 5.2 ft 1.4 m / 4.6 ft 1.2 m / 3.9 ft	●	●		
	AU-LVR 150-25	150 mm x 25 mm 5.91" x 0.98"	1.834 kg/m 1.232 lb/ft	Low: Medium: High: Very High:	3.4 m / 11.2 ft 3.2 m / 10.5 ft 2.8 m / 9.2 ft 2.6 m / 8.5 ft	●	●		●
	AU-LVR 150-35	150 mm x 35 mm 5.91" x 1.38"	1.922 kg/m 1.291 lb/ft	Low: Medium: High: Very High:	4.4 m / 14.4 ft 4.0 m / 13.1 ft 3.6 m / 11.8 ft 3.2 m / 10.5 ft		●		●
	AU-LVR 180-F	180 mm x 30 mm 7.09" x 1.19"	2.088 kg/m 1.403 lb/ft	Low: Medium: High: Very High:	4.0 m / 13.1 ft 3.6 m / 11.8 ft 3.2 m / 10.5 ft 2.8 m / 9.2 ft	●	●		
	AU-LVR 180	180 mm x 30 mm 7.09" x 1.19"	2.720 kg/m 1.828 lb/ft	Low: Medium: High: Very High:	4.0 m / 13.1 ft 3.6 m / 11.8 ft 3.2 m / 10.5 ft 3.0 m / 9.8 ft	●	●		●
	AU-LVR 190	190 mm x 30 mm 7.48" x 1.19"	2.547 kg/m 1.712 lb/ft	Low: Medium: High: Very High:	3.8 m / 12.5 ft 3.6 m / 11.8 ft 3.2 m / 10.5 ft 3.0 m / 9.8 ft	●	●		●
	AU-LVR 200	200 mm x 33 mm 7.88" x 1.30"	2.646 kg/m 1.778 lb/ft	Low: Medium: High: Very High:	4.2 m / 13.8 ft 3.8 m / 12.5 ft 3.4 m / 11.2 ft 3.0 m / 9.8 ft	●	●		●

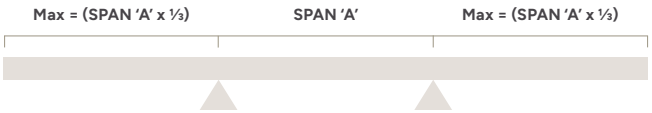
● Indicates detail available for this profile

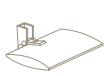
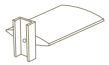
Profile data

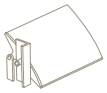
AURORA™ Aerofoil Multi Piece Louvre Blades

The AURORA™ aerofoil multi piece louvre blades provide a flexible system which can be scaled to suit design needs.

Wind zone speed		Factored pressure	
Low:	32 m/s (105 ft/s)	Low:	0.88 kPa (18.38 psf)
Medium:	33 to 37 m/s (108 to 121 ft/s)	Medium:	1.18 kPa (24.64 psf)
High:	38 to 44 m/s (125 to 144 ft/s)	High:	1.68 kPa (35.09 psf)
Very High:	45 to 50 m/s (148 to 164 ft/s)	Very High:	2.17 kPa (45.32 psf)





Profiles	Product number	Overall dimensions (w x d)	Weight	Max span by wind zone		Clasp bracket mount	End mount	Spigot mount	Operable mount
	AU-LVR 250-CS	250 mm x 50 mm 9.84" x 1.97"	3.734 kg/m 2.509 lb/ft	Low: Medium: High: Very High:	5.4 m / 17.7 ft 4.8 m / 15.7 ft 4.4 m / 14.4 ft 3.8 m / 12.5 ft	●	●	●	●
	AU-LVR 300-CS	300 mm x 50 mm 11.81" x 1.97"	4.650 kg/m 3.125 lb/ft	Low: Medium: High: Very High:	5.4 m / 17.7 ft 4.8 m / 15.7 ft 4.4 m / 14.4 ft 4.0 m / 13.1 ft	●	●	●	●
	AU-LVR 350-CS	350 mm x 50 mm 13.78" x 1.97"	4.806 kg/m 3.230 lb/ft	Low: Medium: High: Very High:	5.4 m / 17.7 ft 4.8 m / 15.7 ft 4.4 m / 14.4 ft 4.0 m / 13.1 ft	●	●	●	●
	AU-LVR 430-CS	430 mm x 55 mm 16.92" x 2.17"	6.822 kg/m 4.584 lb/ft	Low: Medium: High: Very High:	6.0 m / 19.7 ft 5.4 m / 17.7 ft 4.8 m / 15.7 ft 4.4 m / 14.4 ft		●	●	●
	AU-LVR 600-CS	600 mm x 75 mm 23.62" x 2.95"	10.008 kg/m 6.725 lb/ft	Low: Medium: High: Very High:	7.0 m / 22.3 ft 6.4 m / 21.0 ft 5.6 m / 18.4 ft 5.2 m / 17.1 ft		●	●	●

● Indicates detail available for this profile

SOLARIS™

The SOLARIS™ louvre system is a range of rectangular louvre profiles that are available with a square or chamfered end.

The chunky rectangular profiles have a high visual impact and are popular in modern architecture.

Queenstown Radiology, Queenstown.
Solaris-75 400 Louvre.

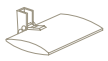
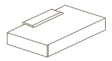
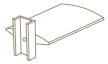
Profile data

SOLARIS™ Single Piece Louvre Blades (Square End)

The SOLARIS™ louvre system is a range of rectangular louvre profiles that are available with a square or chamfered end.

The chunky rectangular profiles have a high visual impact and are popular in modern architecture.

Wind zone speed		Factored pressure	
Low:	32 m/s (105 ft/s)	Low:	0.88 kPa (18.38 psf)
Medium:	33 to 37 m/s (108 to 121 ft/s)	Medium:	1.18 kPa (24.64 psf)
High:	38 to 44 m/s (125 to 144 ft/s)	High:	1.68 kPa (35.09 psf)
Very High:	45 to 50 m/s (148 to 164 ft/s)	Very High:	2.17 kPa (45.32 psf)

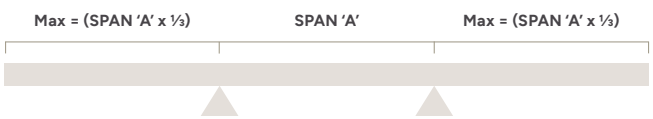





Profiles	Product number	Overall dimensions (w x d)	Weight	Max span by wind zone	Clasp bracket mount	Rear channel mount	End mount	Spigot mount
	SLRS-LVR 50-S	50 mm x 50 mm 1.97" x 1.97"	1.449 kg/m 0.973 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft			●	
	SLRS-LVR 100-S	100 mm x 50 mm 3.94" x 1.97"	1.507 kg/m 1.013 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 125-S	125 mm x 50 mm 4.92" x 1.97"	1.735 kg/m 1.166 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 150-S	150 mm x 50 mm 5.91" x 1.97"	2.088 kg/m 1.403 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 200-S	200 mm x 50 mm 7.88" x 1.97"	3.021 kg/m 2.030 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 300-S	300 mm x 50 mm 11.81" x 1.97"	4.713 kg/m 3.167 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●	●

● Indicates detail available for this profile

Profile data

Wind zone speed		Factored pressure	
Low:	32 m/s (105 ft/s)	Low:	0.88 kPa (18.38 psf)
Medium:	33 to 37 m/s (108 to 121 ft/s)	Medium:	1.18 kPa (24.64 psf)
High:	38 to 44 m/s (125 to 144 ft/s)	High:	1.68 kPa (35.09 psf)
Very High:	45 to 50 m/s (148 to 164 ft/s)	Very High:	2.17 kPa (45.32 psf)



SOLARIS™ Single Piece Louvre Blades (Chamfered End)

The SOLARIS™ chamfered louvre profiles are designed to allow good operating clearances for motorised louvre systems.

They are also popular as fixed blades, providing the rectangular look with a slight difference.

Profiles	Product number	Overall dimensions (w x d)	Weight	Max span by wind zone	Clasp bracket mount	Rear channel mount	End mount	Spigot mount
	SLRS-LVR 75-25	75 mm x 25 mm 2.95" x 0.98"	1.35 kg/m 0.91 lb/ft	Low: 4.0 m / 13.1 ft Medium: 3.6 m / 11.8 ft High: 3.2 m / 10.5 ft Very High: 3.0 m / 9.8 ft	●	●	●	
	SLRS-LVR 110-CH	110 mm x 20 mm 4.33" x 0.78"	1.452 kg/m 0.976 lb/ft	Low: 3.6 m / 11.8 ft Medium: 3.2 m / 10.5 ft High: 2.8 m / 9.2 ft Very High: 2.6 m / 8.5 ft	●		●*	
	SLRS-LVR 180-CH	180 mm x 30 mm 7.09" x 1.19"	2.600 kg/m 1.747 lb/ft	Low: 5.0 m / 16.4 ft Medium: 4.6 m / 15.1 ft High: 4.0 m / 13.1 ft Very High: 3.6 m / 11.8 ft	●	●	●*	●
	SLRS-LVR 200-CH	200 mm x 50 mm 7.88" x 1.97"	3.226 kg/m 2.168 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●*	●
	SLRS-LVR 240-CH	240 mm x 50 mm 9.45" x 1.97"	3.687 kg/m 2.478 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●*	●

● Indicates detail available for this profile

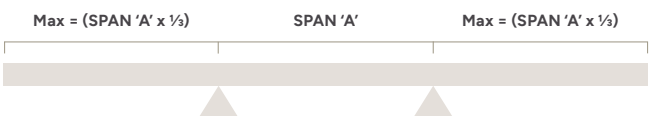
* Operable Mount also available

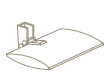
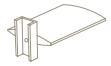
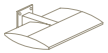
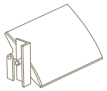
Profile data

SOLARIS™ Multi Piece 50mm Louvre Blades (Square End)

The SOLARIS™ 50mm multi piece louvre blades provide a flexible system which can be scaled to suit design needs.

Wind zone speed		Factored pressure	
Low:	32 m/s (105 ft/s)	Low:	0.88 kPa (18.38 psf)
Medium:	33 to 37 m/s (108 to 121 ft/s)	Medium:	1.18 kPa (24.64 psf)
High:	38 to 44 m/s (125 to 144 ft/s)	High:	1.68 kPa (35.09 psf)
Very High:	45 to 50 m/s (148 to 164 ft/s)	Very High:	2.17 kPa (45.32 psf)



Profiles	Product number	Overall dimensions (w x d)	Weight	Max span by wind zone		Clasp bracket mount	Rear channel mount	End mount	Spigot mount
	SLRS-LVR 250-CS/S	250 mm x 50 mm 9.84" x 1.97"	5.154 kg/m 3.463 lb/ft	Low: Medium: High: Very High:	6.0 m / 19.7 ft 5.6 m / 18.4 ft 5.0 m / 16.4 ft 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 300-CS/S	300 mm x 50 mm 11.81" x 1.97"	5.339 kg/m 3.588 lb/ft	Low: Medium: High: Very High:	6.0 m / 19.7 ft 5.6 m / 18.4 ft 5.0 m / 16.4 ft 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 350-CS/S	350 mm x 50 mm 13.78" x 1.97"	6.644 kg/m 4.465 lb/ft	Low: Medium: High: Very High:	6.0 m / 19.7 ft 5.6 m / 18.4 ft 5.0 m / 16.4 ft 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 400-CS/S	400 mm x 50 mm 15.75" x 1.97"	7.949 kg/m 5.341 lb/ft	Low: Medium: High: Very High:	6.0 m / 19.7 ft 5.6 m / 18.4 ft 5.0 m / 16.4 ft 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 450-CS/S	450 mm x 50 mm 17.72" x 1.97"	8.134 kg/m 5.466 lb/ft	Low: Medium: High: Very High:	6.0 m / 19.7 ft 5.6 m / 18.4 ft 5.0 m / 16.4 ft 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 500-CS/S	500 mm x 50 mm 19.69" x 1.97"	9.438 kg/m 6.342 lb/ft	Low: Medium: High: Very High:	6.0 m / 19.7 ft 5.6 m / 18.4 ft 5.0 m / 16.4 ft 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 600-CS/S	600 mm x 50 mm 23.63" x 1.97"	10.928 kg/m 7.343 lb/ft	Low: Medium: High: Very High:	6.0 m / 19.7 ft 5.6 m / 18.4 ft 5.0 m / 16.4 ft 4.6 m / 15.1 ft	●	●	●	●

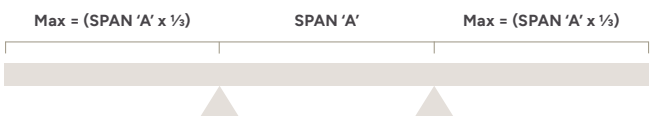
● Indicates detail available for this profile

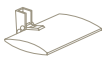
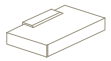
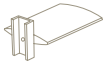
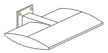
Profile data

SOLARIS™ Multi Piece 50mm Louvre Blades (Chamfered End)

The SOLARIS™ multi piece louvre profiles are also available with the chamfered design allowing for good operating clearances on motorised louvre systems.

Wind zone speed		Factored pressure	
Low:	32 m/s (105 ft/s)	Low:	0.88 kPa (18.38 psf)
Medium:	33 to 37 m/s (108 to 121 ft/s)	Medium:	1.18 kPa (24.64 psf)
High:	38 to 44 m/s (125 to 144 ft/s)	High:	1.68 kPa (35.09 psf)
Very High:	45 to 50 m/s (148 to 164 ft/s)	Very High:	2.17 kPa (45.32 psf)



Profiles	Product number	Overall dimensions (w x d)	Weight	Max span by wind zone	Clasp bracket mount	Rear channel mount	End mount	Spigot mount
	SLRS-LVR 150-CS/CH	150 mm x 50 mm 5.91" x 1.97"	2.959 kg/m 1.989 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 180-CS/CH	180 mm x 50 mm 7.09" x 1.97"	3.292 kg/m 2.212 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 220-CS/CH	220 mm x 50 mm 8.66" x 1.97"	3.964 kg/m 2.664 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 250-CS/CH	250 mm x 50 mm 9.84" x 1.97"	4.298 kg/m 2.889 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●	●
	SLRS-LVR 300-CS/CH	300 mm x 50 mm 11.81" x 1.97"	4.852 kg/m 3.260 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●*	●
	SLRS-LVR 450-CS/CH	450 mm x 50 mm 17.72" x 1.97"	7.648 kg/m 5.139 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●*	●
	SLRS-LVR 600-CS/CH	600 mm x 50 mm 23.63" x 1.97"	10.441 kg/m 7.016 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 5.0 m / 16.4 ft Very High: 4.6 m / 15.1 ft	●	●	●*	●

● Indicates detail available for this profile

* Operable Mount also available

Profile data

SOLARIS™ Multi Piece 75mm Louvre Blades (Square End)

The SOLARIS™ 75mm multi piece louvre blades provide the ultimate in flexibility, spanning capability and visual impact.

Wind zone speed		Factored pressure	
Low:	32 m/s (105 ft/s)	Low:	0.88 kPa (18.38 psf)
Medium:	33 to 37 m/s (108 to 121 ft/s)	Medium:	1.18 kPa (24.64 psf)
High:	38 to 44 m/s (125 to 144 ft/s)	High:	1.68 kPa (35.09 psf)
Very High:	45 to 50 m/s (148 to 164 ft/s)	Very High:	2.17 kPa (45.32 psf)

Profiles	Product number	Overall dimensions (w x d)	Weight	Max span by wind zone	Clasp bracket mount	Rear channel mount	End mount	Spigot mount
	SLRS-LVR 240-75-CS	240 mm x 75 mm 9.45" x 2.33"	6.415 kg/m 4.311 lb/ft	Low: 7.0 m / 23.0 ft Medium: 7.0 m / 23.0 ft High: 6.6 m / 21.7 ft Very High: 5.8 m / 19.0 ft	●	●	●*	●
	SLRS-LVR 400-75-CS	400 mm x 75 mm 15.75" x 2.33"	9.12 kg/m 6.128 lb/ft	Low: 7.0 m / 23.0 ft Medium: 7.0 m / 23.0 ft High: 6.6 m / 21.7 ft Very High: 5.8 m / 19.0 ft	●	●	●*	●
	SLRS-LVR 600-75-CS	600 mm x 75 mm 23.63" x 2.33"	13.873 kg/m 9.322 lb/ft	Low: 7.0 m / 23.0 ft Medium: 7.0 m / 23.0 ft High: 6.6 m / 21.7 ft Very High: 5.8 m / 19.0 ft	●	●	●*	●
	SLRS-LVR 800-75-CS	800 mm x 75 mm 31.50" x 2.33"	18.502 kg/m 12.433 lb/ft	Low: 7.0 m / 23.0 ft Medium: 7.0 m / 23.0 ft High: 6.6 m / 21.7 ft Very High: 5.8 m / 19.0 ft	●	●	●*	●
	SLRS-LVR 1000-75-CS	1000 mm x 75 mm 39.38" x 2.33"	23.146 kg/m 15.553 lb/ft	Low: 7.0 m / 23.0 ft Medium: 7.0 m / 23.0 ft High: 6.6 m / 21.7 ft Very High: 5.8 m / 19.0 ft	●	●	●*	●

● Indicates detail available for this profile

* Operable Mount also available

CALDERA™

The CALDERA™ louvre system features a parallelogram shape. The sharp, distinct appearance of this system makes a striking complement to any modern architectural building and is rapidly becoming a very popular product.

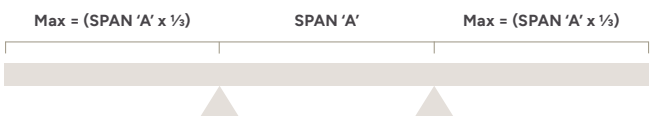
Burwood Hospital, Christchurch.
Caldera Window Hoods.

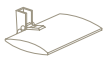
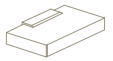
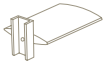
Profile data

CALDERA™ Single & Multi Piece Parallelogram Louvre Blades

The CALDERA™ louvre system features a parallelogram shape. The sharp, distinct appearance of this system makes a striking complement to any modern architectural building and is rapidly becoming a very popular product.

Wind zone speed		Factored pressure	
Low:	32 m/s (105 ft/s)	Low:	0.88 kPa (18.38 psf)
Medium:	33 to 37 m/s (108 to 121 ft/s)	Medium:	1.18 kPa (24.64 psf)
High:	38 to 44 m/s (125 to 144 ft/s)	High:	1.68 kPa (35.09 psf)
Very High:	45 to 50 m/s (148 to 164 ft/s)	Very High:	2.17 kPa (45.32 psf)




Profiles	Product number	Overall dimensions (w x d)	Weight	Max span by wind zone	Clasp bracket mount	Rear channel mount	End mount	Spigot mount
	CLDR-LVR 88	88 mm x 19 mm 3.47" x 0.75"	0.800 kg/m 0.538 lb/ft	Low: 3.0 m / 9.8 ft Medium: 2.8 m / 9.2 ft High: 2.4 m / 7.9 ft Very High: 2.2 m / 7.2 ft	●		●	
	CLDR-LVR 127	127 mm x 25 mm 5.00" x 0.98"	1.991 kg/m 1.338 lb/ft	Low: 4.0 m / 13.1 ft Medium: 3.6 m / 11.8 ft High: 3.2 m / 10.5 ft Very High: 3.0 m / 9.8 ft			●*	
	CLDR-LVR 150	150 mm x 25 mm 5.90" x 0.98"	1.628 kg/m 1.093 lb/ft	Low: 3.8 m / 12.5 ft Medium: 3.6 m / 11.8 ft High: 3.2 m / 10.5 ft Very High: 2.8 m / 9.2 ft	●		●*	
	CLDR-LVR 240-CS	240 mm x 50 mm 9.45" x 1.97"	4.218 kg/m 2.834 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.4 m / 17.7 ft High: 4.8 m / 15.7 ft Very High: 4.4 m / 14.4 ft			●*	●
	CLDR-LVR 340-CS	340 mm x 50 mm 13.39" x 1.97"	6.308 kg/m 4.239 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.6 m / 18.4 ft High: 4.8 m / 15.7 ft Very High: 4.6 m / 15.1 ft			●*	●
	CLDR-LVR 390-CS	390 mm x 50 mm 15.36" x 1.97"	6.960 kg/m 4.677 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.4 m / 17.7 ft High: 4.8 m / 15.7 ft Very High: 4.4 m / 14.4 ft			●*	●
	CLDR-LVR 490-CS	490 mm x 50 mm 19.30" x 1.97"	9.053 kg/m 6.083 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.4 m / 17.7 ft High: 4.8 m / 15.7 ft Very High: 4.4 m / 14.4 ft			●*	●
	CLDR-LVR 540-CS	540 mm x 50 mm 21.27" x 1.97"	9.704 kg/m 6.521 lb/ft	Low: 6.0 m / 19.7 ft Medium: 5.4 m / 17.7 ft High: 4.8 m / 15.7 ft Very High: 4.4 m / 14.4 ft			●*	●

● Indicates detail available for this profile

* Operable Mount also available

Custom louvre profiles

For the most distinct and unique aesthetics, custom louvre profiles can be designed and developed.

Custom louvre profiles and their fixing details are subject to the same stringent research and development protocols of the standard profiles. Comprehensive testing, which may include Wind Tunnel tests and analysis, offer the highest level of quality assurance.

Rolleston Library, Canterbury.
Custom Rainscreen Louvre Profile.

Profile data

Custom Louvre profiles

For the most distinct and unique aesthetics, custom louvre profiles can be designed and developed. Custom louvre profiles and their fixing details are subject to the same stringent research and development protocols of the standard profiles. Comprehensive testing, which may include Wind Tunnel tests and analysis, offer the highest level of quality assurance.

Profiles	Product number	Overall dimensions (w x d)	Weight
	SLRS-LVR 300-20-CS	300 mm x 20 mm 11.81" x 0.78"	3.726 kg/m 2.504 lb/ft
	SLRS-LVR 450-20-CS	450 mm x 20 mm 17.72" x 0.78"	5.656 kg/m 3.801 lb/ft
	SLRS-LVR 600-20-CS	600 mm x 20 mm 23.62" x 0.78"	7.586 kg/m 5.098 lb/ft
	ROLST-LVR 200	200 mm x 30 mm 7.88" x 1.19"	2.425 kg/m 1.630 lb/ft
	ROLST-LVR 160	160 mm x 20 mm 6.30" x 0.78"	1.911 kg/m 1.284 lb/ft
	ZN-MV-LVR	73 mm x 11 mm 2.88" x 0.43"	0.459 kg/m 0.308 lb/ft

Profiles	Product number	Overall dimensions (w x d)	Weight
	ZN-LVR 55	70 mm x 25 mm 2.75" x 1.00"	0.470 kg/m 0.316 lb/ft
	ZN-LVR 70	140 mm x 62 mm 5.50" x 2.44"	1.100 kg/m 0.740 lb/ft
	OSTN-LVR 95-70	95 mm x 70 mm 3.75" x 2.75"	1.394 kg/m 0.937 lb/ft
	OSTN-LVR 195-120	195 mm x 120 mm 7.69" x 4.69"	3.737 kg/m 2.511 lb/ft
	KEDW-LVR 140	140 mm x 140 mm 5.50" x 5.50"	2.348 kg/m 1.578 lb/ft
	HRTN-LVR 150-80	150 mm x 80 mm 5.88" x 3.13"	2.2852 kg/m 1.535 lb/ft

● Indicates detail available for this profile

Standard mounting details

Clasp bracket mounting

Clasp bracket fixing allows multiple louvres to be installed along horizontal or vertical support lines.

Louvres can be conveniently pitched and set in vertical or horizontal orientation.

Configuration and layout

- Vertical or Horizontal orientation.
- The louvre blades can be set at any centres.
- Blade angle is allowed to 45° either side of the support structure surface (non adjustable once fixed).

Assembly and installation

- Continuous clasp channels are fixed to primary or secondary support structure.
- The louvre blades are fixed to the clasp channel via clasp brackets with stainless fixings.

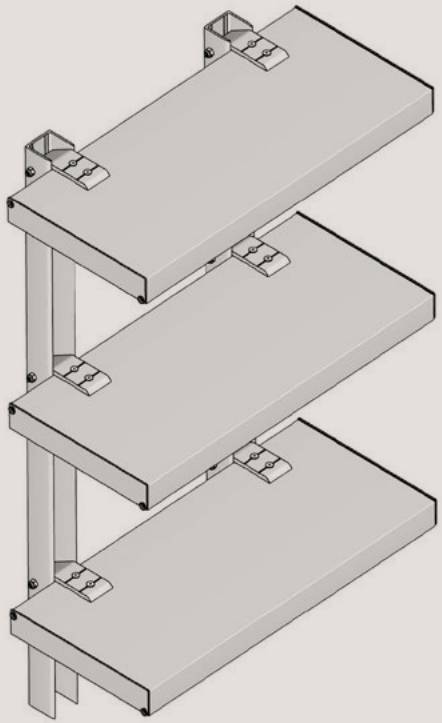
Structural requirements

The fixing detail of the clasp channel back to the main support structure varies dependent on the type of structure and wind loadings on the louvre. Contact Insol for project specific recommendations.

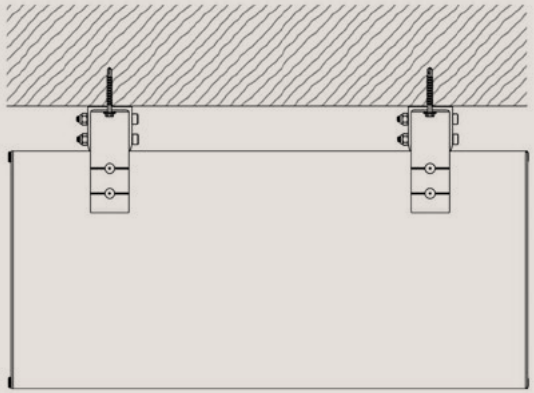
Componentry and finishes

- Extruded profiles and components are grade 6060 T5 aluminium suitable for powder-coat or anodised finish.
- All fixings are 316 stainless steel.

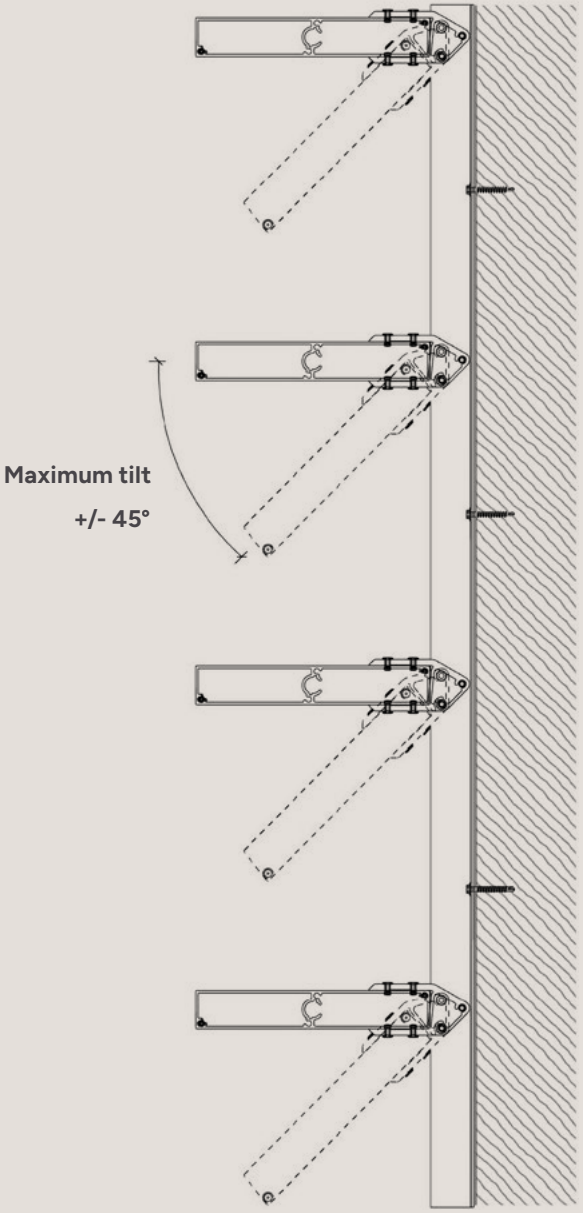
Pictorial View



Plan View



Sectional View



Standard mounting details

Rear channel mounting

Rear channel mount fixing allows individual louvres to be installed along varying horizontal or vertical support lines.

Louvres can be set perpendicular to the support face in a vertical or horizontal orientation.

Configuration and layout

- Vertical or Horizontal orientation.
- The louvre blades can be set at any centres.
- Blade angle is restricted to 90° from the support structure surface.

Assembly and Installation:

- Continuous or sectional rear mount channels are fixed to primary or secondary support structure.
- The louvre blades are inserted into the channel and fixed off using stainless steel rivets or machine screws.

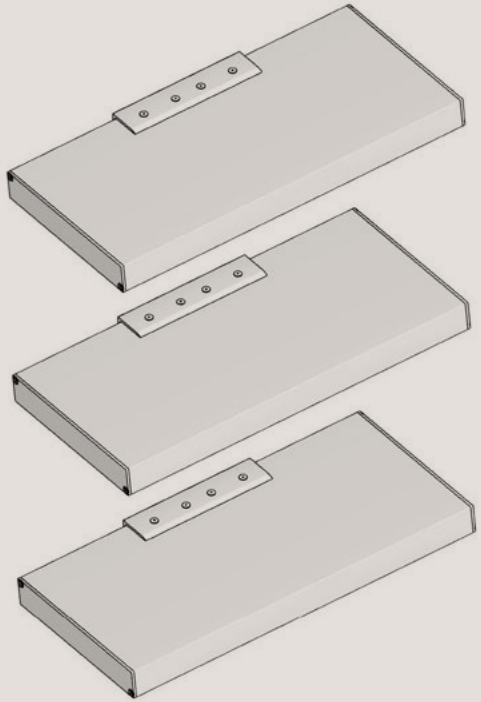
Structural Requirements:

The fixing detail of the rear mount channel back to the main support structure varies dependent on the type of structure and wind loadings on the louvre. Contact Insol for project specific recommendations.

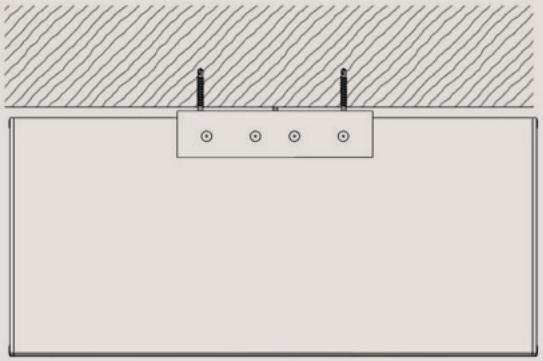
Componentry and Finishes:

- Extruded profiles and components are grade 6060 T5 aluminium suitable for powder-coat or anodised finish.
- All fixings are 316 stainless steel.

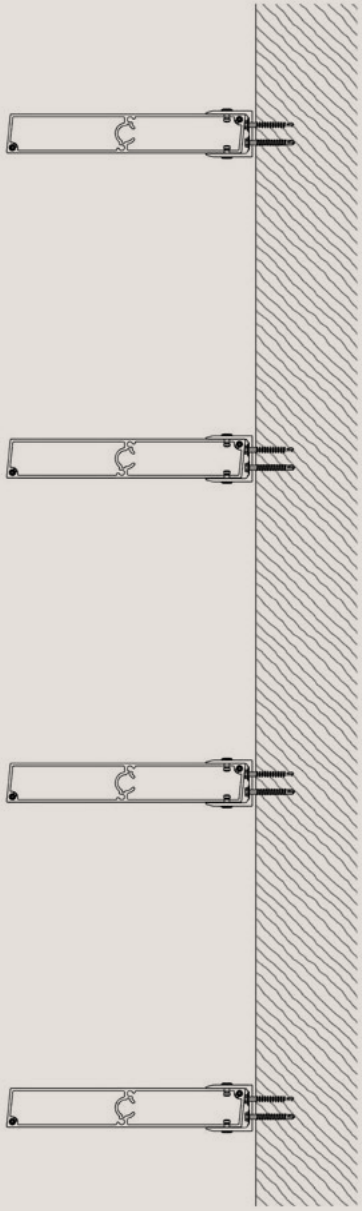
Pictorial View



Plan View



Sectional View



Standard mounting details

End fix mounting

End fixing allows multiple louvres to be installed between horizontal or vertical support lines. Louvres can be pitched and set at varying angles and centres in a vertical or horizontal orientation. This fixing method is particularly suited to situations where louvres are being installed between “wing-walls” or within “day-light openings”.

Configuration and layout

- Vertical or Horizontal orientation.
- The louvre blades can be set at any centres.
- Blade angle is not restricted and can be pitched at any angle (non adjustable once fixed).

Assembly and installation

- Continuous support rails are fixed to primary or secondary support structure.
- The louvre blades and end fixing channels are assembled into panels which are then inserted between support rails and fixed off using stainless steel rivets or machine screws.

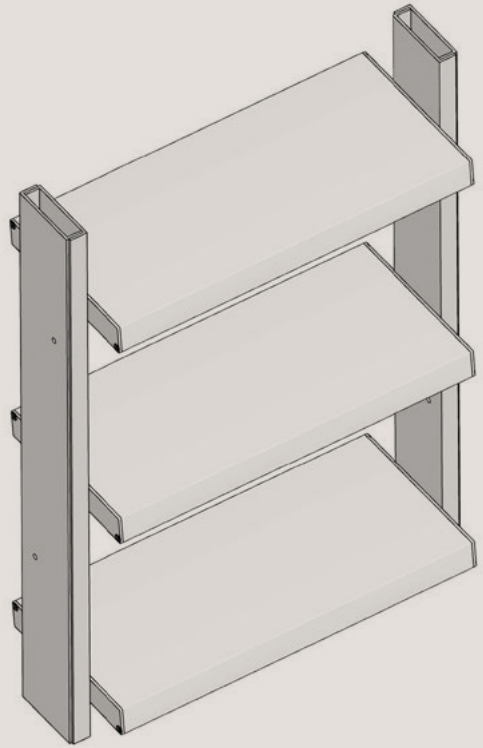
Structural requirements

The end fixing to support rail detail back to the main support structure varies dependent on the type of structure and wind loadings on the louvre. Contact Insol for project specific recommendations.

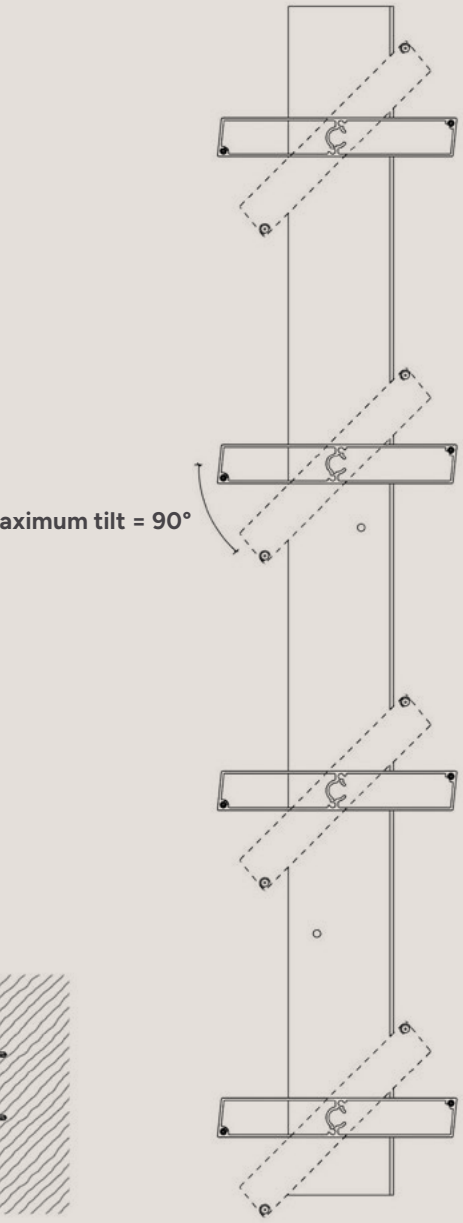
Componentry and finishes

- Extruded profiles and components are grade 6060 T5 aluminium suitable for powder-coat or anodised finish.
- All fixings are 316 stainless steel.

Pictorial View



Sectional View



Plan View

Standard mounting details

Operable mounting

Operable mounting allows multiple louvres to be installed along horizontal or vertical support lines. Louvres can be set in a vertical or horizontal orientation at uniform centres, with an adjustable angle of pitch. This fixing method is particularly suited to situations where adjustable shading is required. Louvre movement can be manually or electrically operated.

Configuration and layout

- Vertical or Horizontal orientation.
- The louvre blades to be set at uniform centres only.
- Blade angle is fully operable and adjustable through 110°.

Assembly and installation

- Continuous machined support rails are fixed to primary or secondary support structure.
- The louvre blades are assembled to the support rails via spring loaded axles and coupled with a continuous “link bar”.

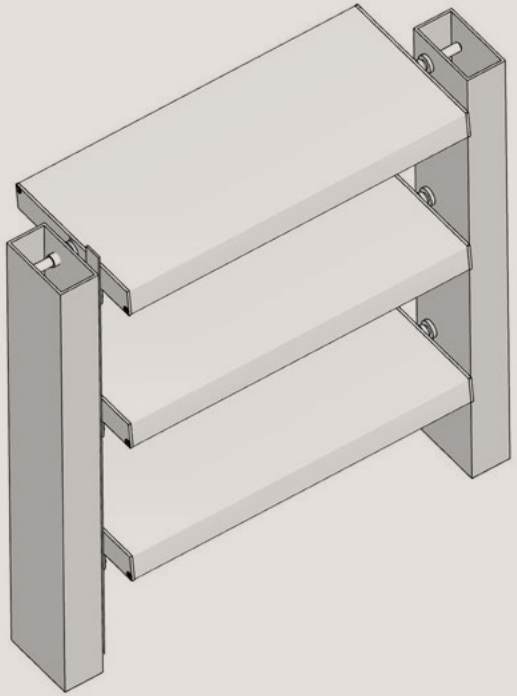
Structural requirements

The fixing details of the operable mount back to the main support structure varies dependent on the type of structure and wind loadings on the louvre. However typically the support rails would be set within a “day-light opening” or at the head and sill of a window opening.

Componentry and finishes

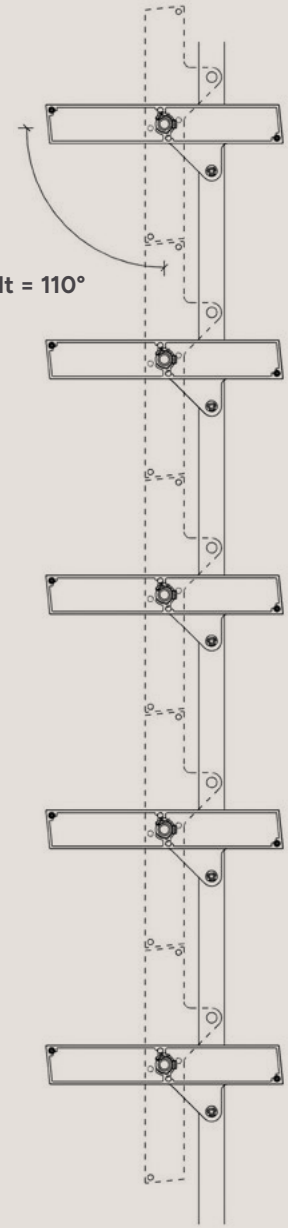
- Extruded profiles and components are grade 6060 T5 aluminium suitable for powder-coat or anodised finish.
- All fixings are 316 stainless steel.

Pictorial View

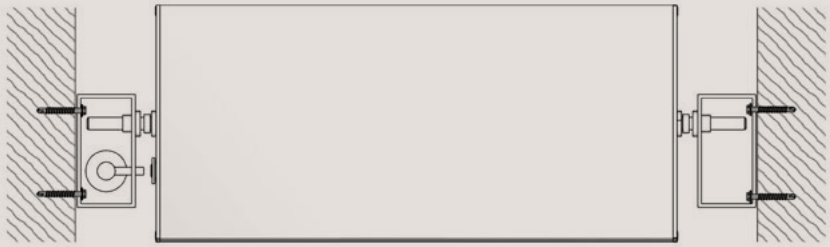


Sectional View

Maximum tilt = 110°



Plan View



Standard mounting details

Spigot mounting

Spigot mounting allows individual louvres to be installed along varying horizontal or vertical support lines. Louvres can be set perpendicular to the support face in a vertical or horizontal orientation. This fixing method is particularly suited to situations where louvres are widely spaced or the visual effect of support rails is to be avoided.

Configuration and layout:

- Vertical or Horizontal orientation.
- The louvre blades can be set at any centres.
- Blade angle is restricted to 90° from the secondary support structure surface.

Assembly and installation:

- Flanged Spigots are fixed to the face of the primary or secondary support structure.
- The louvre blades are slid onto spigots and fixed off using stainless steel rivets or machine screws.

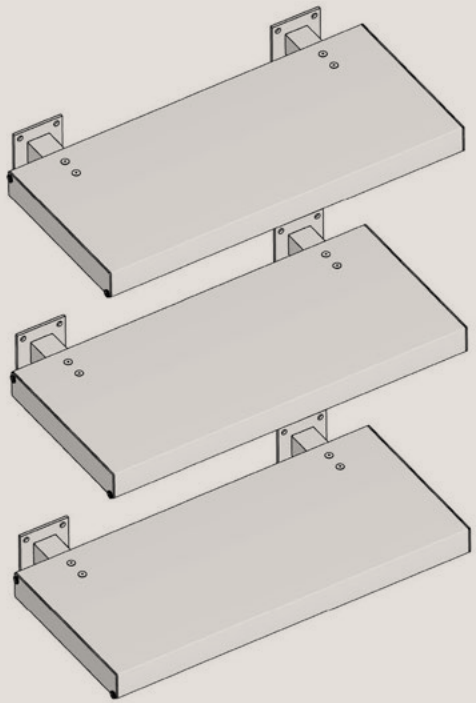
Structural requirements:

The fixing details of the spigot mount back to the main support structure varies dependent on the type of structure and wind loadings on the louvre. However, typically the fixings would be along a floor or spandrel line.

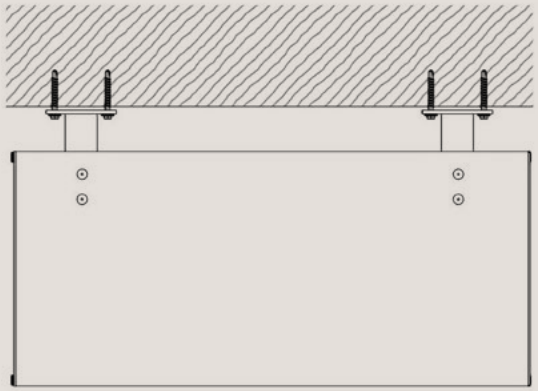
Componentry and finishes:

- Extruded profiles and components are grade 6060 T5 aluminium suitable for powder-coat or anodised finish.
- All fixings are 316 stainless steel.

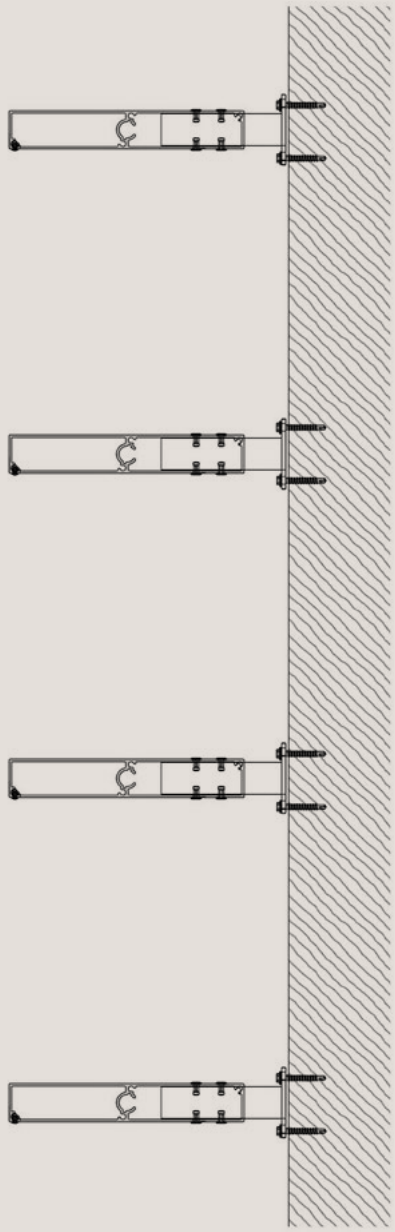
Pictorial View



Plan View



Sectional View



Standard mounting details

Profiled End Mounting

Profiled end mounting allows multiple louvres to be installed to horizontal or vertical support lines. Louvres can be pitched and set at varying angles and centres in a vertical or horizontal orientation. This fixing method is particularly suited to situations where louvres are being installed to the face of a structure as pre-assembled “Louvred Panels.”

Configuration and layout:

- Vertical or Horizontal orientation.
- The louvre blades can be set at any centres.
- Blade angle is not restricted and can be pitched at any angle (non-adjustable once fixed).

Assembly and installation:

- Louvres are pre-assembled to end rails, then the complete assembly is fixed to the face of the primary or support structure.

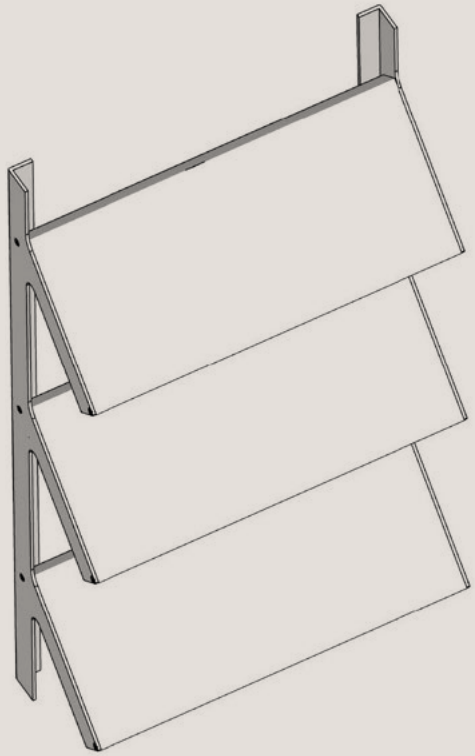
Structural requirements:

The fixing details for the profiled end mount back to the main support structure vary depending on the type of structure and wind loadings on the louvre.

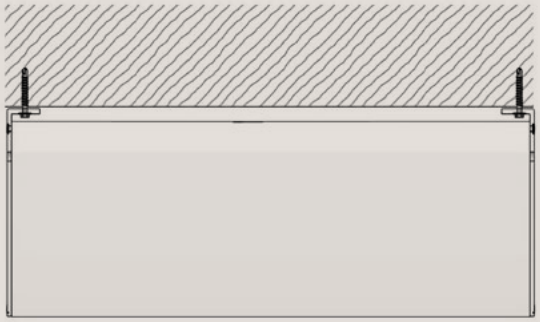
Componentry and finishes:

- Extruded profiles and components are grade 6060 T5 aluminium suitable for powder-coat or anodised finish.
- All fixings are 316 stainless steel.

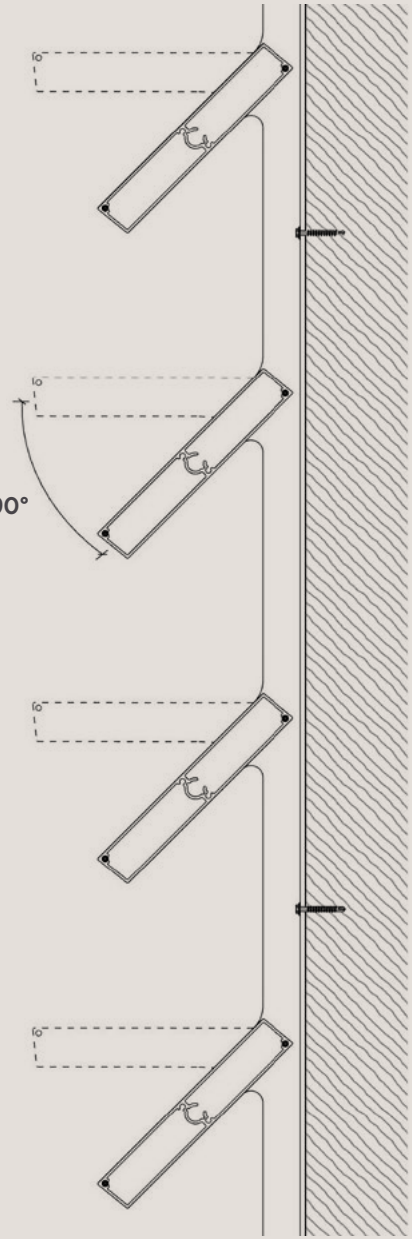
Pictorial View



Plan View



Sectional View

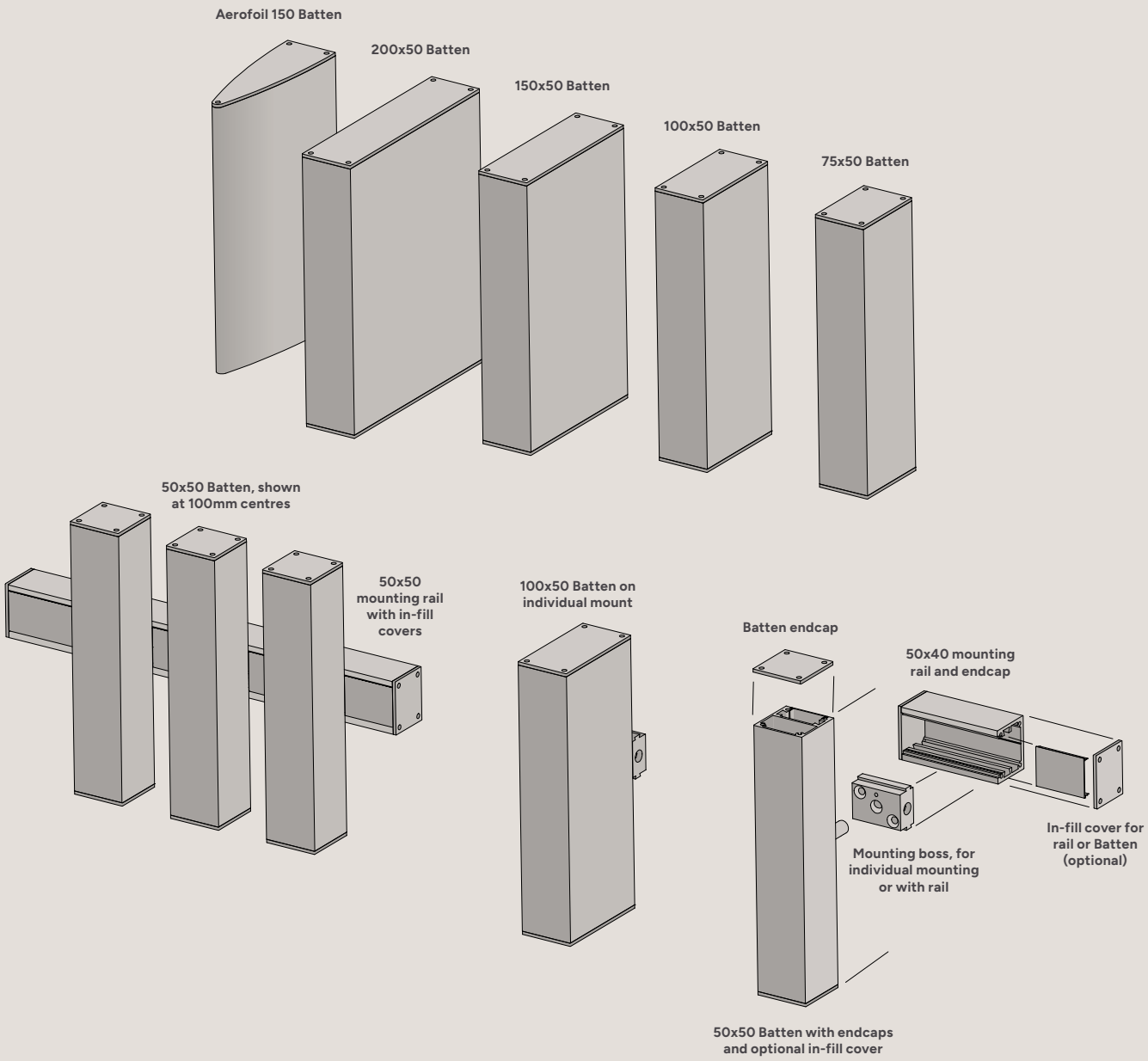


SOLARIS™ Batten

Our engineered batten fixing system offers architects and builders a versatile, high-performance solution for creating striking linear façades. Designed to accommodate a wide variety of batten sizes and profiles, including large-format battens up to 600 mm (24”) wide, the system is engineered for strength and reliability particularly in high wind zones.

Battens are installed at close centres using a hidden fixing detail, ensuring a clean, uninterrupted finish. When grouped, the battens form strong visual rhythms across the façade, with the interplay of shadow and spacing reinforcing the architectural character and drawing the eye to the detail of the design.

The system is compatible with an extensive range of batten materials and finishes, enabling freedom of design expression across contemporary and traditional projects alike.



Mt Albert Grammar School, Auckland. Solaris 75 Batten Rainscreen.

Atlas Concrete, Auckland. Solaris 50 Batten.

Project-specific engineered solutions

Proprietary product

Most projects require some form of custom designed support structure to connect the louvre system to the building.

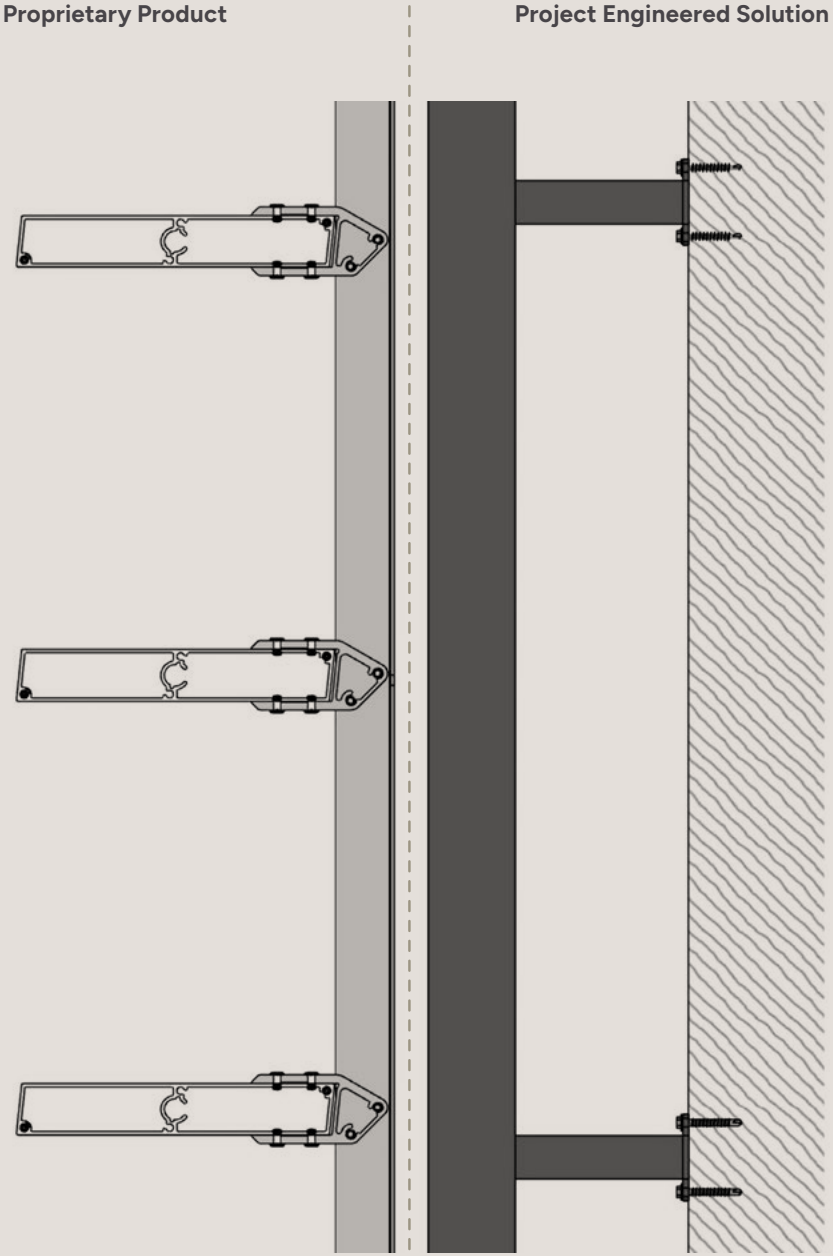
Building regulating authorities normally ask that custom designed support structures are signed off by a registered engineer with a producer statement (PS1) or stamped plans.

The engineered solution provided by Insol can vary from large and complex structures to simple brackets.

Our solutions are supported with in-house capabilities.

- Design
- Drawing
- Engineering
- Wind tunnel testing

We can offer Early Contractor Involvement (ECI) on large or complex projects. Providing assurance that the louvre systems are properly designed and integrated.



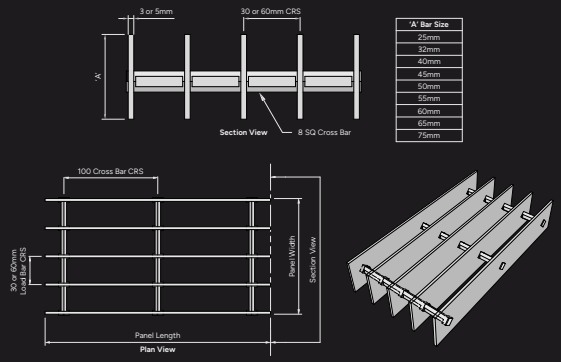
Azimuth™ grating

For a finishing flourish to compliment and complete the character of any building.

The Azimuth™ Grating System is the last word in versatility for aluminium sunscreening.

Available with a choice of several different louvre blade options or straight load bars, some variants of this system can withstand pedestrian loads. This means your sunscreening system can now double as a maintenance walkway. This system is available silver anodised in 12, 20 and 25 micron or powder-coated to the colour of your choice. With aluminium being a non-corrosive material, durability is assured.

The Azimuth™ Grating System is used widely as privacy screening or purely as an architectural feature to enhance the value of a building. Note that grating can be a high risk of aero-acoustic generated noise, and specialist advice (including wind tunnel testing if required) should be sought before specifying in high risk applications.



'A' Bar Size
25mm
32mm
40mm
45mm
50mm
55mm
60mm
65mm
75mm

Azimuth™ Grating, Queenstown

Tensioned fabric

A unique blend of flair and functionality.

Tensioned fabric facades bring both performance and distinction to building envelopes, transforming plain façades into dynamic, layered architectural statements. Designed to filter and soften daylight, fabric facades reduce solar gain while maintaining outward views and a sense of openness inside. By controlling heat and glare, they contribute to energy efficiency and occupant comfort without compromising the visual impact of the architecture.

Available in a wide selection of durable architectural-grade fabrics, these systems can be tailored to suit project requirements, including varying levels of transparency, colour, and texture. Each installation is supported by engineered tensioning systems that ensure long-term stability and a crisp, clean appearance across the entire surface.

Our facades can be integrated with new or existing structures, with multiple fixing options designed to adapt to steel, concrete, or lightweight framing. All fabrics are UV-stabilised and weather-resistant, with finishes chosen for both performance and longevity.

Tensioned Fabric, Xero HQ, Wellington

Architectural wire mesh

Architectural wire mesh is a versatile façade material when used as a semi-transparent cladding.

Stainless steel mesh allows for natural ventilation, solar protection, and durability, while creating a shimmering building envelope, with an interplay of light and shadow across the woven surface.

Depending on the material used, wire mesh façades are typically formed by tensioning large-scale mesh panels from top to bottom, supported by discreet substructures. This allows for seamless coverage across multiple storeys, whether on new builds or retrofit projects. The material's strength and stability ensure long-term performance, even in demanding environmental conditions, while its minimal maintenance requirements make it a cost-effective choice over the life of the building.

Available in a wide range of weave patterns, densities, and finishes, architectural wire mesh offers designers the freedom to balance transparency, shading, and aesthetics from parking structures to commercial façades, it provides a distinctive and durable alternative to conventional cladding materials.

Tensioned SS Mesh, Oxford Tce, Christchurch

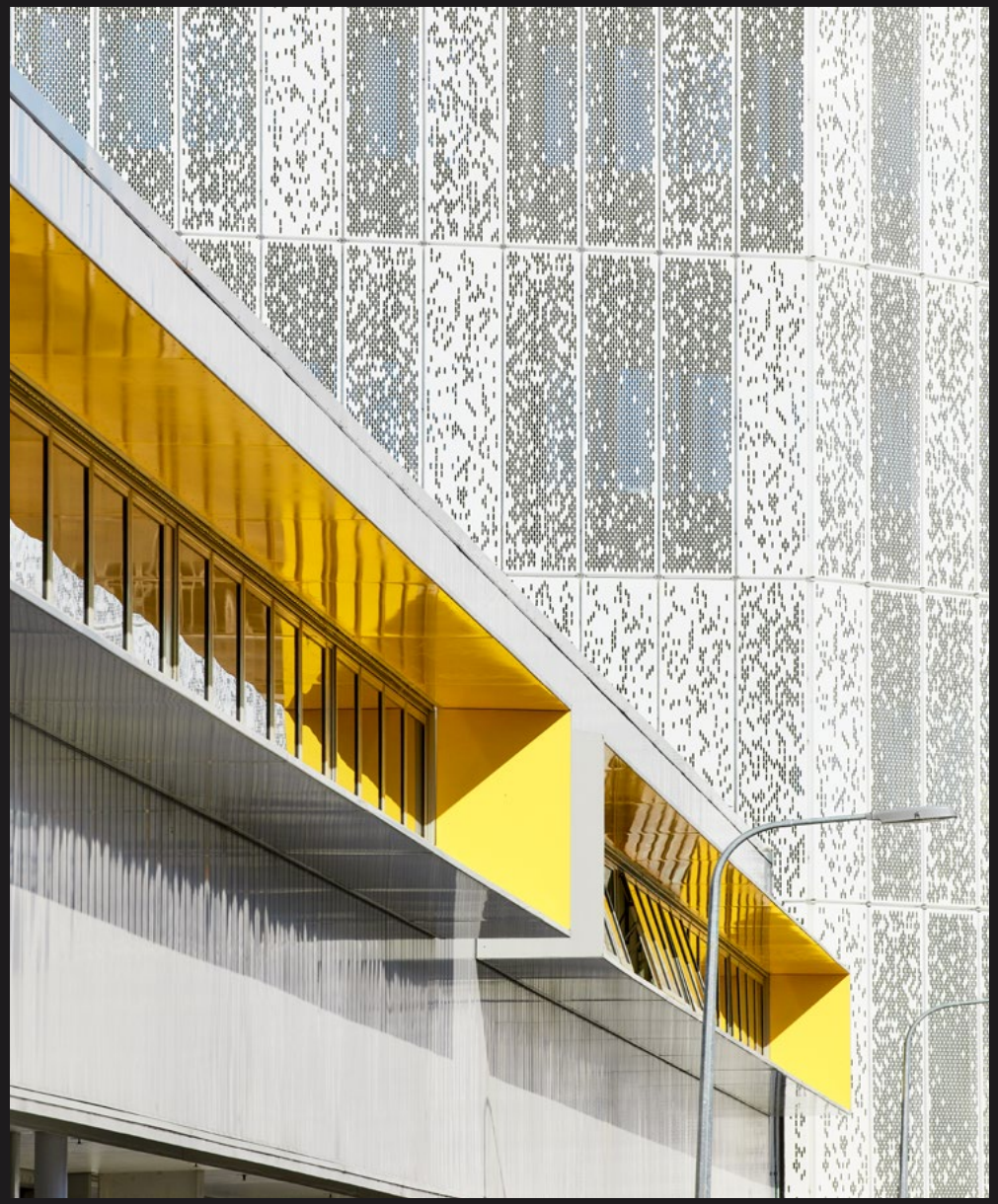
Window shrouds

Window shrouds can be used to create defining architectural feature, creating strong visual lines and striking shadows that contribute to the character of a building.

Beyond their aesthetic appeal, they deliver a practical benefit: by controlling sunlight, shrouds reduce glare and heat while maintaining generous levels of natural light inside. This makes them particularly effective in sensitive settings, where comfort and daylight balance are essential.

Our shrouds are available in a wide range of standard sizes (see the Insol louvre range for extrusion sizes), as well as custom shapes and dimensions — including thinner profiles down to 20 mm. A variety of fixing brackets allows installation across all cladding types, ensuring flexibility in design and construction.

Custom Window Shroud, Mercy Ascot Hospital, Auckland



Custom Window Shroud, University Campus, Christchurch

Solaris Window Shroud, Murrays Bay School, Auckland

Outlook Apartments

Client
263 Kepa Road Limited

Location
Kepa Road, Auckland

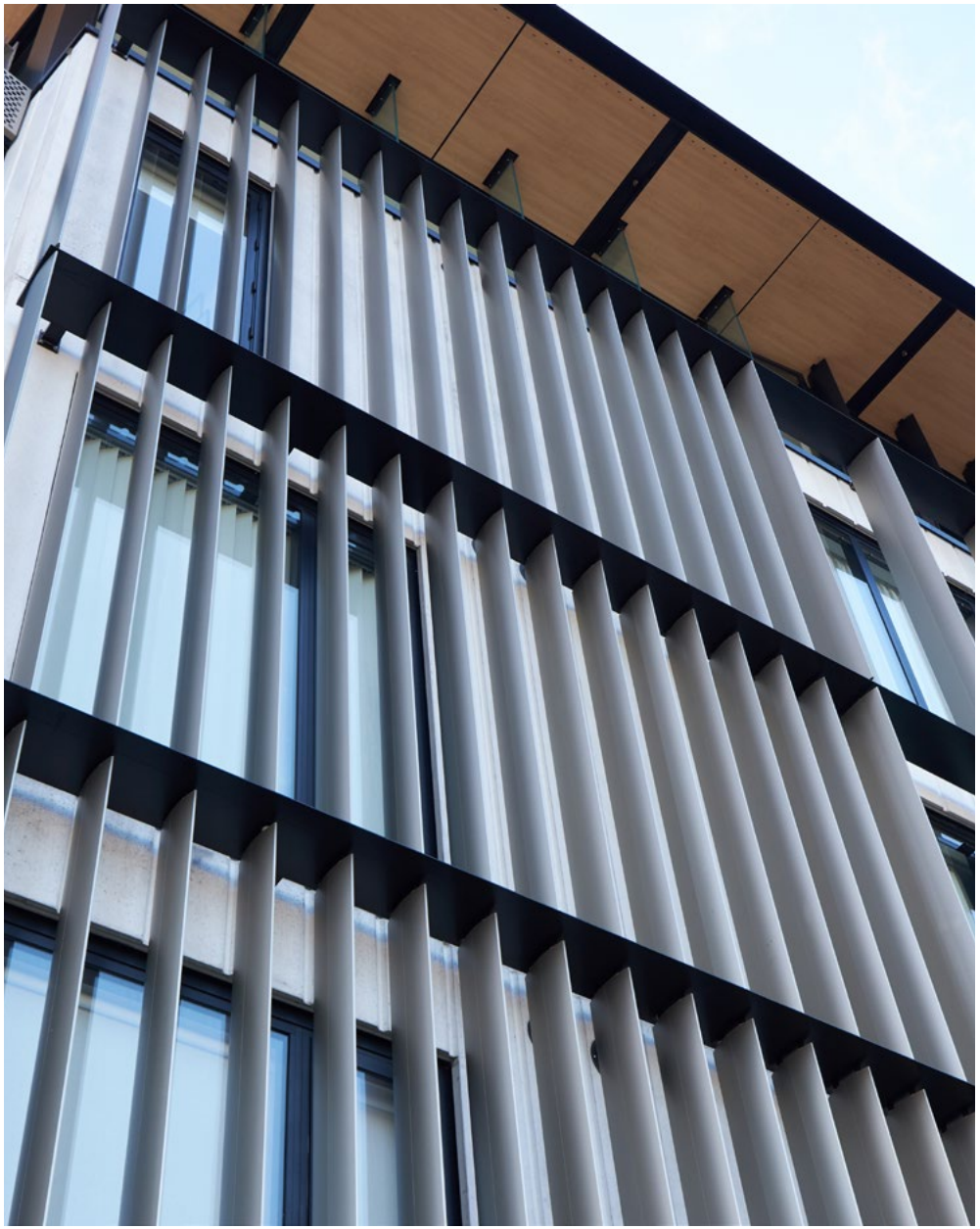
Architect
MAP Architects

Contractor
Clearwater Construction

The Kepa Road facade features a veil of anodised aluminium tubes, hinting at movement and playfully following you as you move past with a shimmering reflection from the sun.

One of the main features is a screen of vertical 38mm diameter aluminium tubes that wrapped around the corners of the building. Computer analysis of the airflows around this feature determined that physical testing was necessary to eliminate the risk. We then carried out physical 1:1 scale testing which confirmed we could proceed with the architectural detail and maintain the intent.

The finished apartments shine with a unique facade that adds a rich warmth to the exterior. The light reflection on the facade seemingly dances as you move past, playfully setting the building apart whilst maintaining a high level of distinction.



West End Car Park

Client
Ngāi Tahu Property

Location
Christchurch

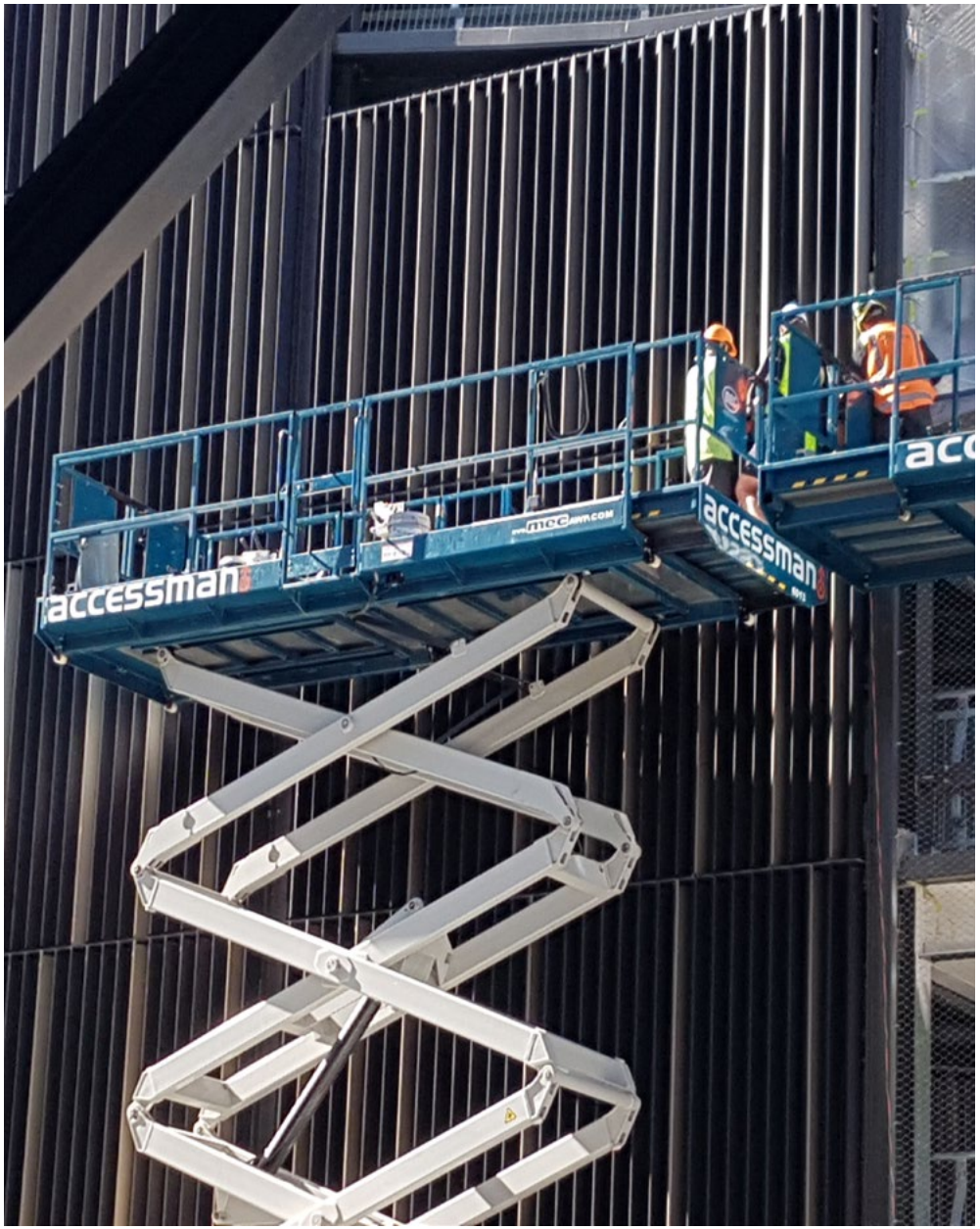
Architect
Warren & Mahoney

Builder
Southbase Construction

Engaged by the architects to provide a full design-build service of the louvered facade, different shades of bronze anodising form a rhythmic colour pattern over the facade.

We developed a custom extruded blade profile and secondary aluminium support structure, then deployed a concealed bracketry system for a clean and appealing finish.

The result is a striking aesthetic which includes high performance double-bank ventilation louvres glazed into the window joinery frames.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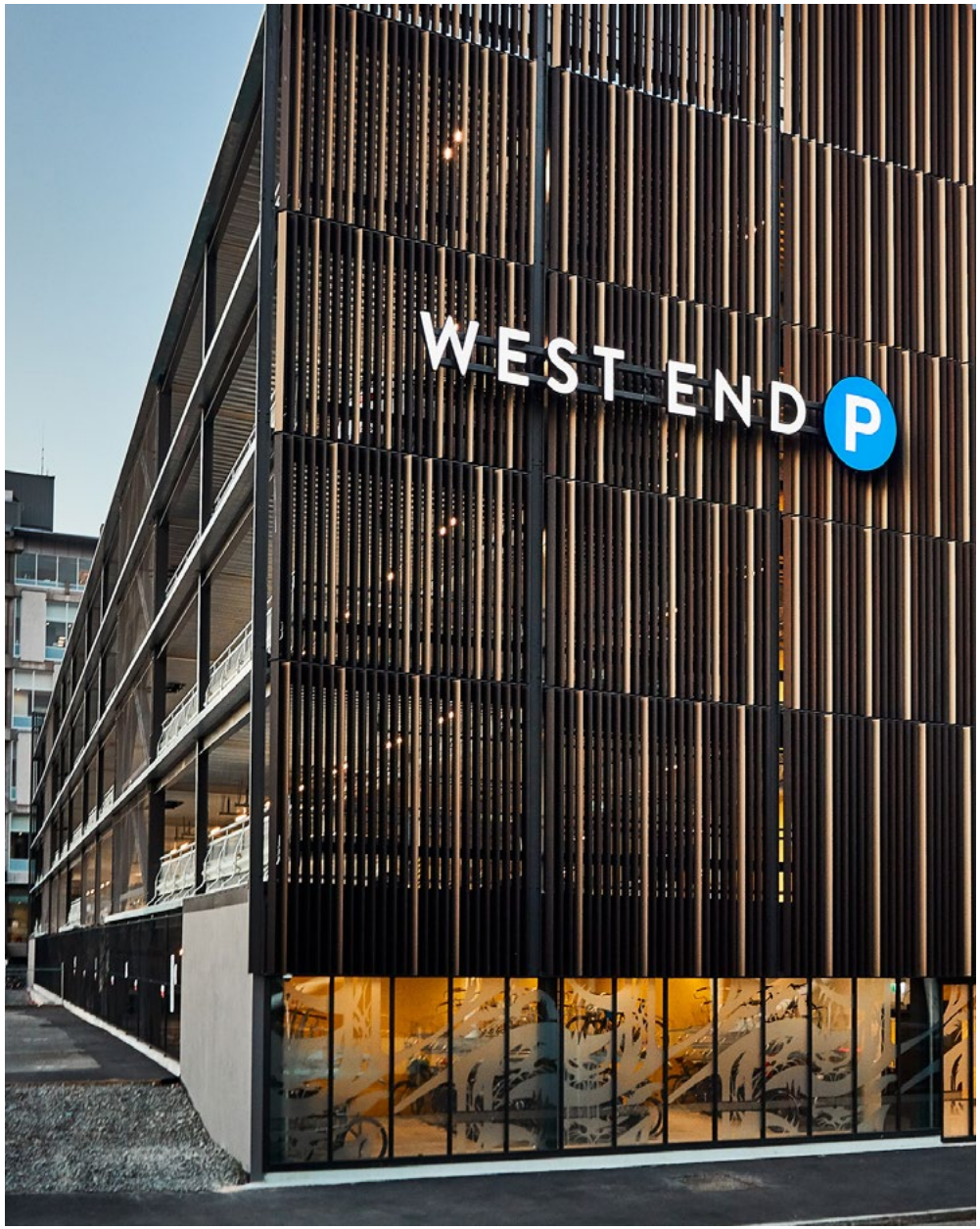

WEST END
P

Burwood Hospital

Location
Burwood Hospital / Christchurch

Architect
Sheppard & Rout, Jasmax, Klein

Builder
Leighs Cockram joint venture

The architect's vision called for significant solar control to meet the crucial comfort requirements of the occupants. Oversized vertical sunfins were to be used to create a striking visual identity, the bespoke facade striking a wonderful balance between functional effectiveness and aesthetic pleasure.

During the initial stages of the tender process, we identified a number of value engineering opportunities. We proposed an offsite construction methodology and developed bespoke lifting equipment for the installation. This attention to detail and unique approach to installation methodology provided significant gain in speed, safety and budget, ultimately saving the client $1million in cost. The completed project was to use over 60 tons of aluminium in bringing the architectural intent to life. Burwood Hospital is a project where the beauty is found not just in the finished product but also the creative solution used to achieve it.

East Tamaki Multi-Storey Car Park

Location
Mt Roskill, Auckland

Architect
Warren & Mahoney

Contractor
Macrennie Commercial Construction

This large multi-storey car park in East Tamaki extends over 6 floors, with room for over 945 vehicles and multiple charging stations for EVs. The original design included the mandatory vehicle impact barriers and pedestrian fall restraint as separate from the louvred facade exterior — a necessary complication for car park users that adds safety but detracts from the architectural vision.

Multiple elevations of the car park are wrapped in Insol Solaris louvres. Secured vertically at 300mm centres, behind each level is a bird mesh and continuous crash rail. Then the louvre panels are fixed at the floor level with a continuous aluminium channel. The strength of the fixings was engineered to meet the Building Code, turning each louvre blade into a vehicle impact barrier capable of containing an out of control vehicle, preventing it from plunging over the side.

Now complete, the East Tamaki Car Par is one of the most rewarding projects we've been involved with from a purely engineering perspective.

25-27 Landing Drive

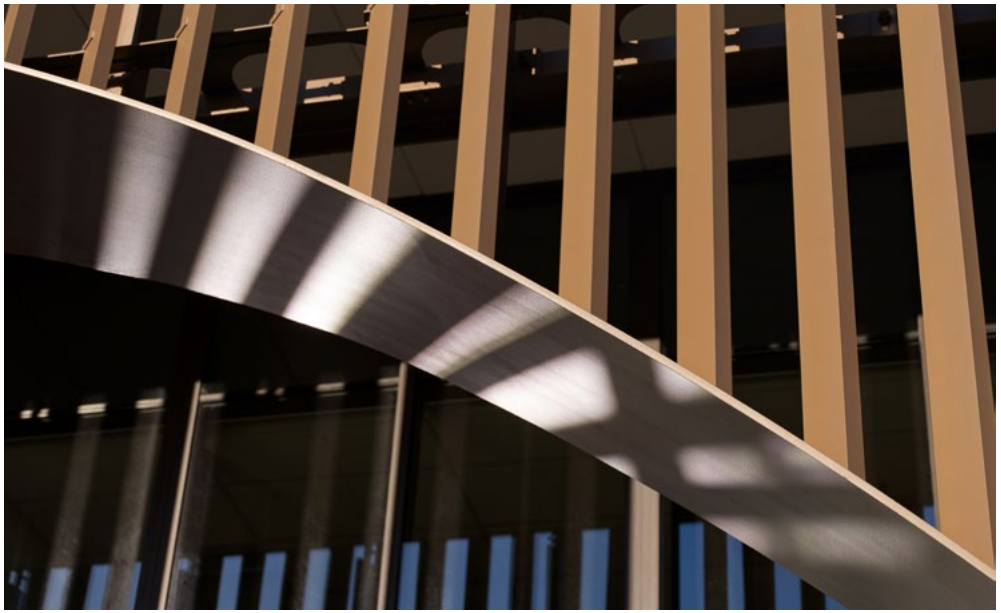
Location
Māngere, Auckland

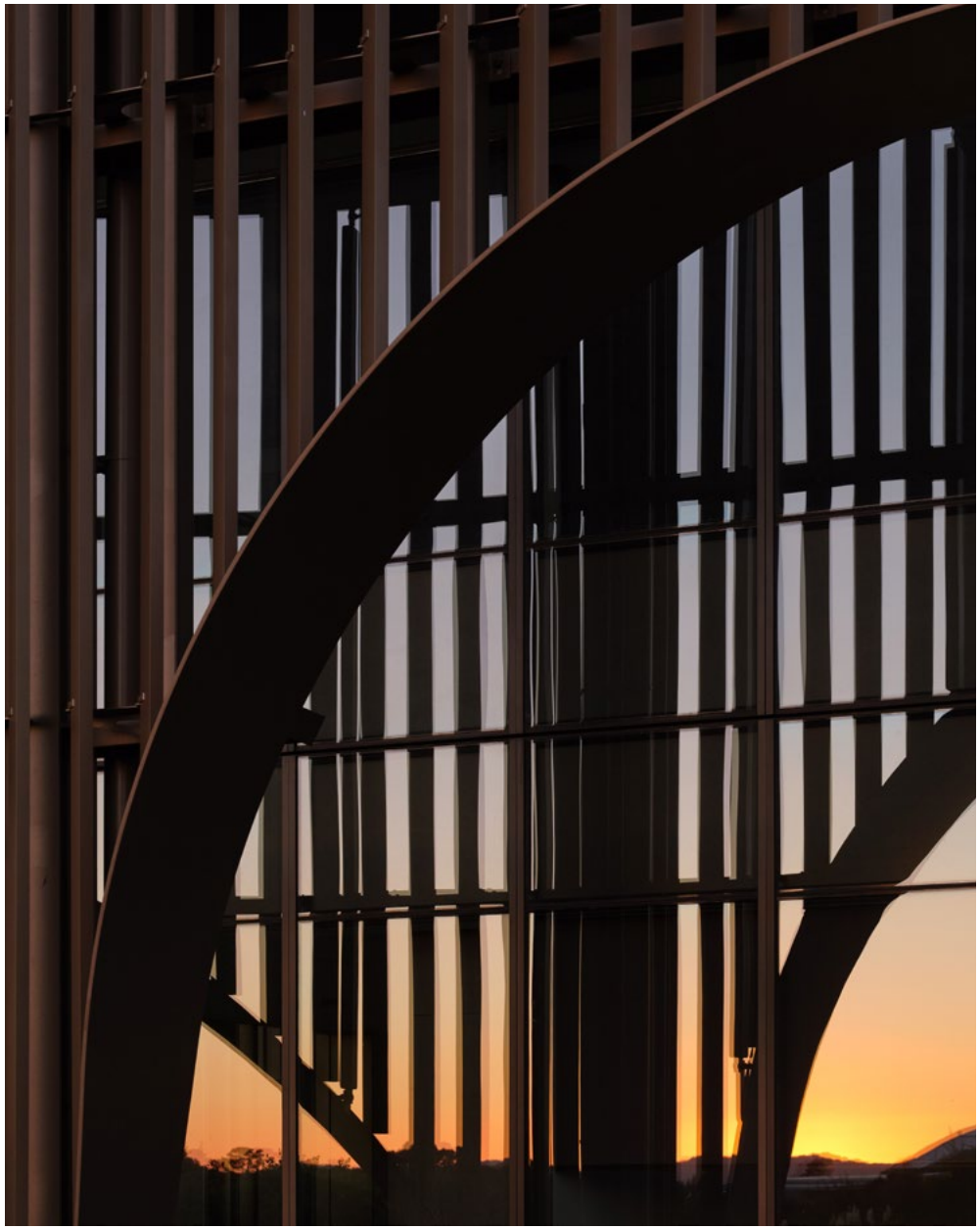
Architect
Jonathan Walker Architects

Contractor
Q Construction

Located 3 minutes drive from Auckland Airport, The Landing is a multiple award-winning business park and home to New Zealand's logistical, technological and light commercial sectors. The latest addition at 25-37 Landing Drive comprises two new warehouses and ancillary offices, with yard space. Designed as a single contiguous structure, the two warehouses are separated by a full height internal wall. Warehouse A provides 10,366m^2 with an additional 225m^2 of office space on each of the two floors. Warehouse B is smaller at 5,592m^2 with an adjoining single level office adding a further 317m^2.

Solaris 150x50 louvres are used to create an impactful feature, with different blade lengths used to span from the roofline to where they reach the curved steel eyelash structure. On office A, a total of 118 louvre blades were used, with 48 used on the single story office space at Office B. Fixed at 300mm centres, the blades were supported by steel tab upstands at the base of the curved eyelash, and to a secondary steel structure behind the louvres where longer spans are required. All louvres were finished in a standard Duratec powder-coat with a 25 year coating warranty.





Queensgate Shopping Centre

Location
Lower Hutt, Wellington

Architect
Buchan Group

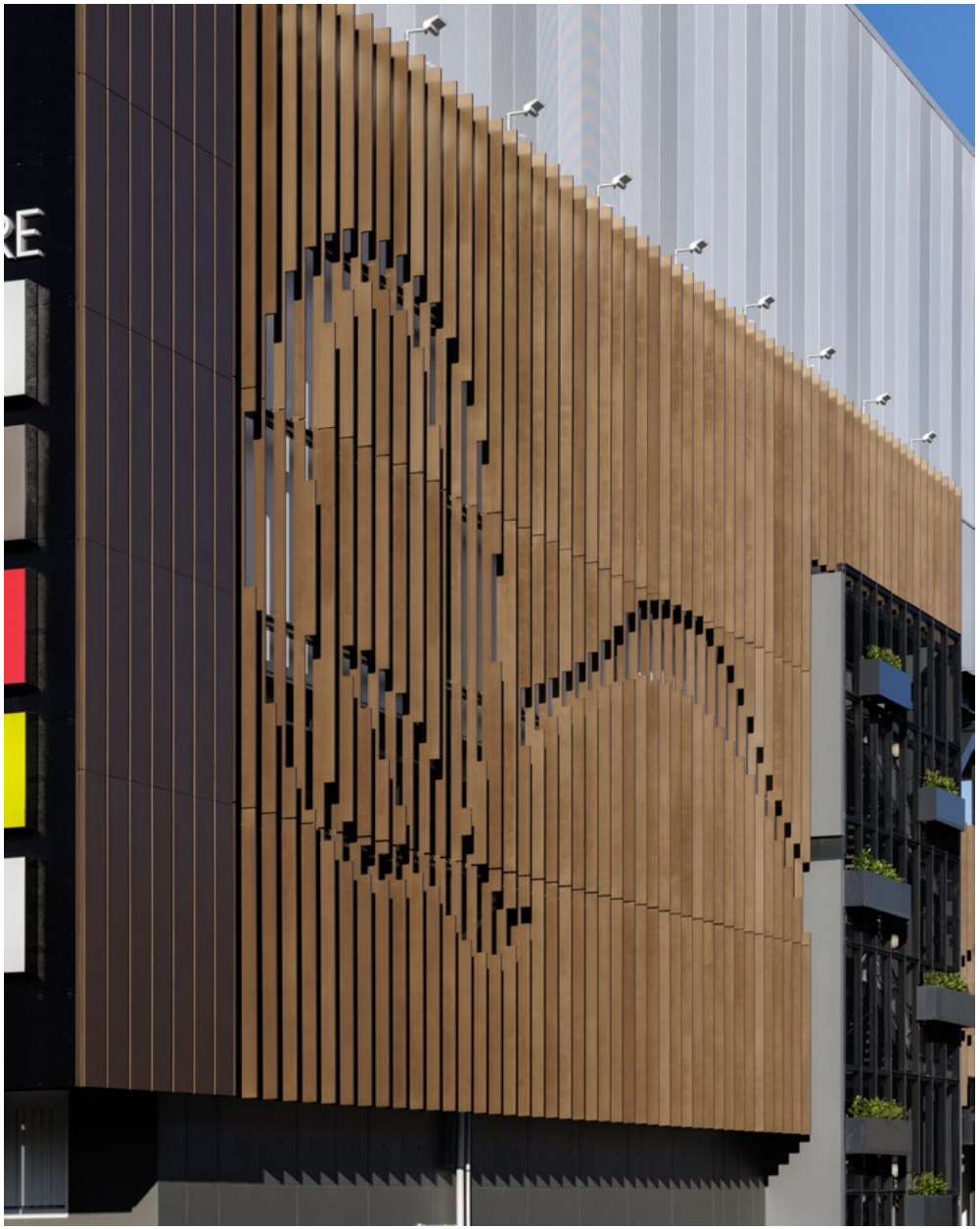
Contractor
Naylor Love Construction

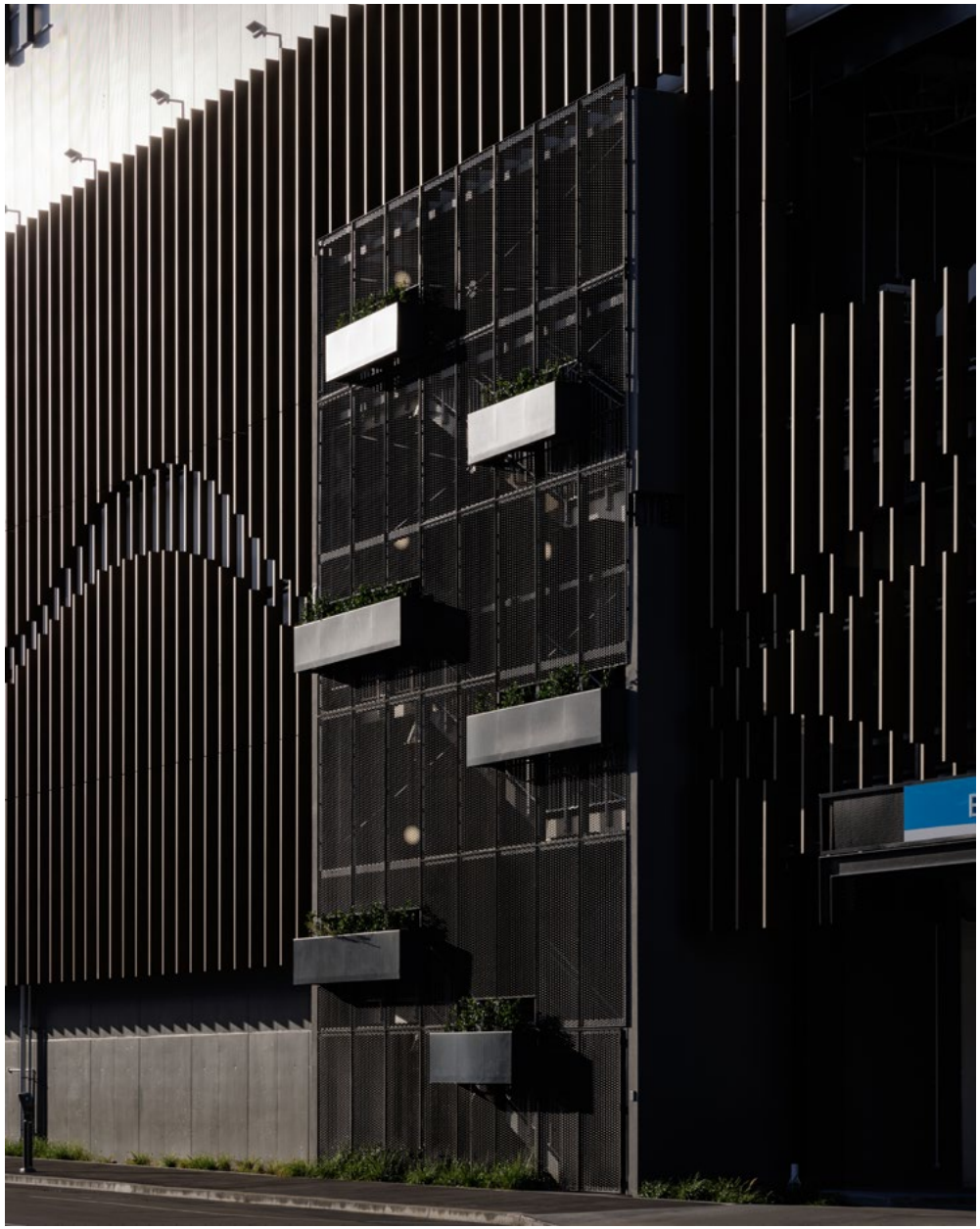
An important hub for the Lower Hutt community, Queensgate Shopping Centre was identified as earthquake prone following the Kaikoura earthquake in November 2016. The redesign and rebuild of the north-eastern corner of the centre, along with the car park, provided an opportunity to upgrade the external facade with refreshed aesthetic.

Much of that aesthetic took inspiration from the nearby Hutt River, which influenced both the design and material selection. Balancing commercial needs with the desire to root the design in the local environment, the design was distinct without looking out of place. It also managed to complement the existing building whilst setting the scene for future expansion and development.

Solaris rectangular louvre blades, in varying profiles, were used to establish the standout visual element of the facade.

The rebuild, now complete, has repositioned the Queensgate Shopping Centre for the future. It's destined to grow its role as a community hub that adds value to the local area, a much-needed destination for commerce and entertainment for locals and visitors alike.





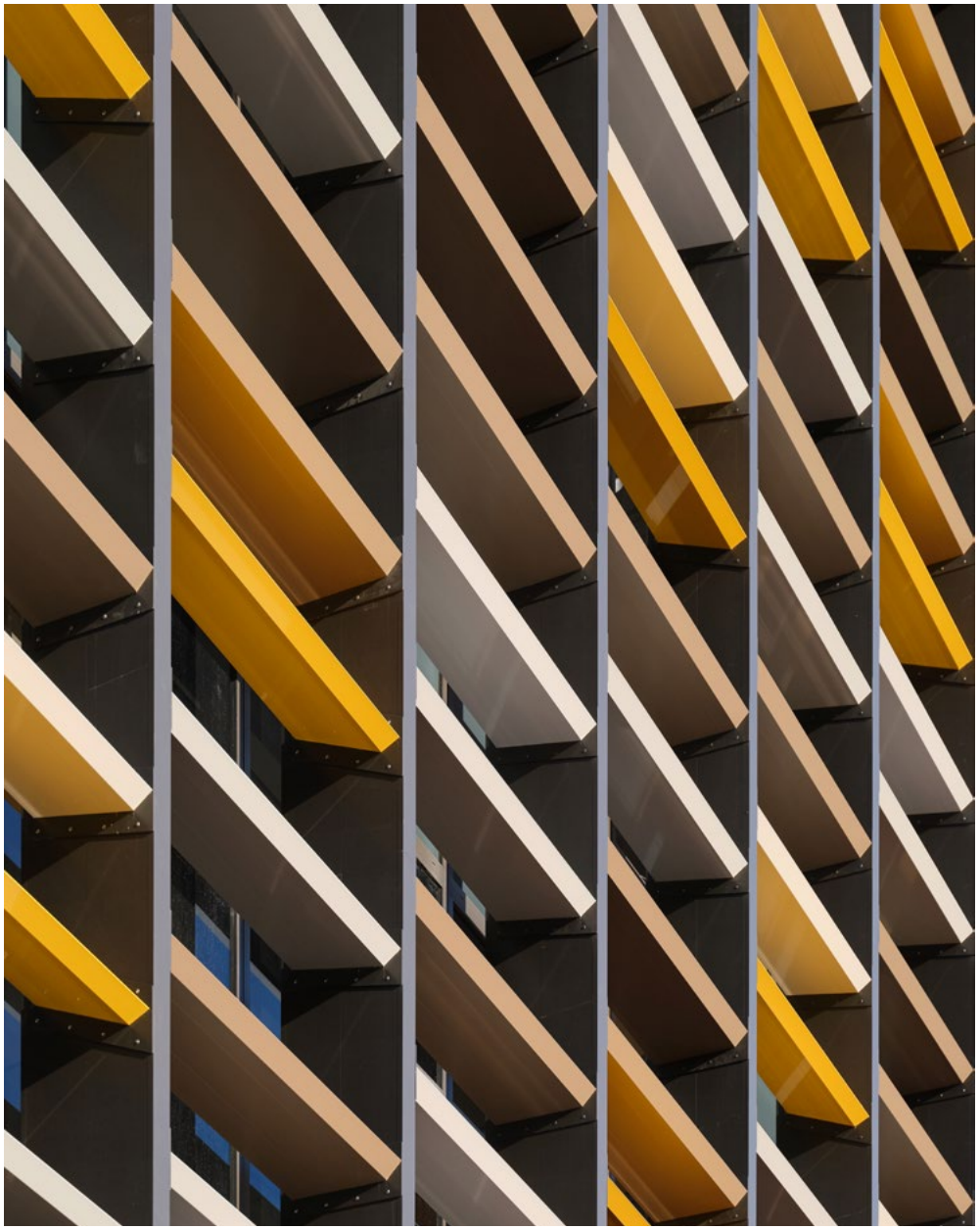
Mount Albert Grammer School

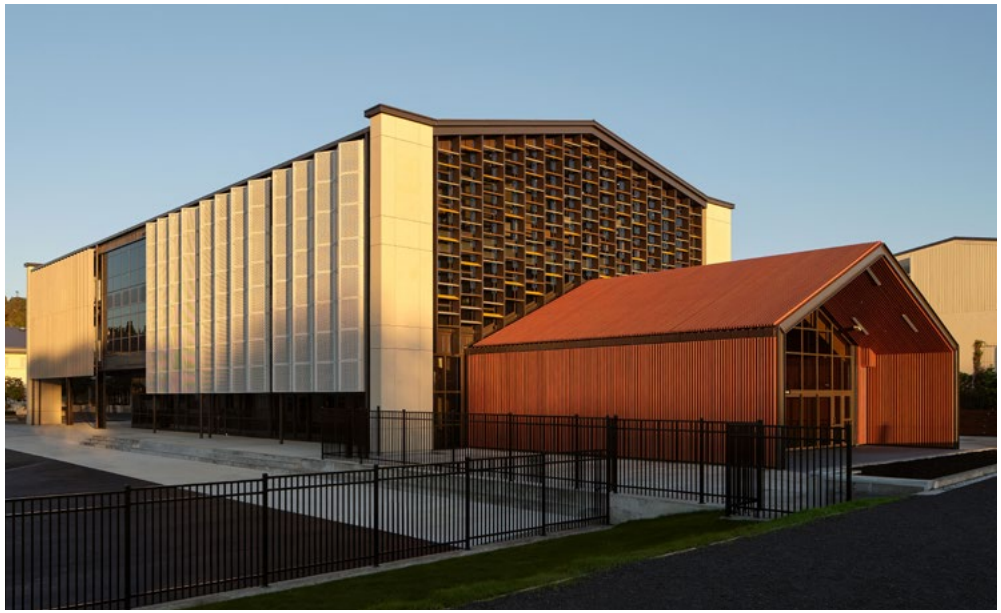
Location
Mount Albert, Auckland

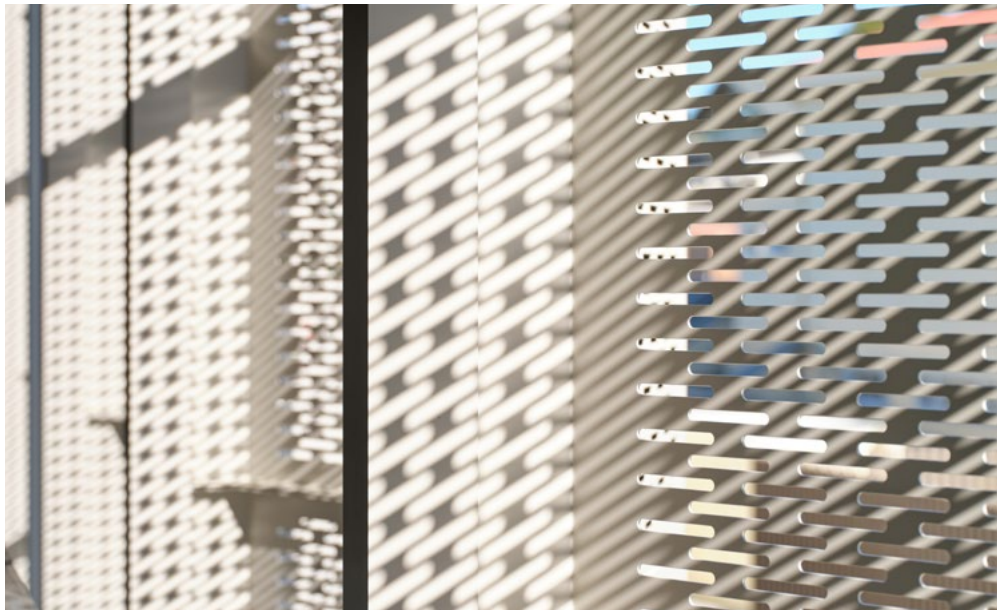
Architect
ASC Architects

Contractor
Southbase Construction

The new Nairn Building at Mount Albert Grammar School is home to the Social Sciences Department, an upgraded library facility, and also serves as the base for Te Puna o Wairaka. Named after the former Headmaster, Murray Nairn (1954-1969), who dreamt of all students being housed in purposely built classrooms, not prefab buildings, it was opened in May 2024. The large, perforated screens that flow down the 2 storeys of the building, like sails rippling in the wind, were constructed using an Insol dapple pattern called ‘dusk’, made from 3mm aluminium, with an open area of 52.13%. That’s enough to provide the required share but to also allow enough sunlight to illuminate the interior sufficiently enough to keep growing minds awake. The dapple screens were finished in Duratec Titania and fixed via bracketry and vertical support to the steel support structure. The completed Nairn building at Mount Albert Grammar is the type of building we think the educator it is named after would have appreciated. It cleverly projects both tradition and change, simultaneously allowing lessons from the past and ideas for the future to combine, creating a character and place that sets students up for success, today.







Ebbett Holden

Client
Ebbett Group

Location
Hamilton

Architect
Chow Hill

Contractor
Foster Construction

A unique design, louvre profiles were arranged in a repeating triangular pattern to create strong lines which contrast with the clean, visual openness of the showroom windows underneath.

The louvre profiles also served to provide an element of solar control for the showroom, along with reducing the glare to allow the vehicles to sparkle in the eyes of visitors, without distraction from the sun.

A seemingly bewildering array of angles demanded incredible attention to measurement and assembly order. This was further complicated by the installation methodology, which used each final louvre of a triangle to act as the supporting structure for louvres in the adjacent triangle.

The entire arrangement was measured, pre-fabricated and assembled off-site for a full installation rehearsal. With practised precision, the louvres were then installed individually on the new dealership building. The final result is a showroom which makes an architectural statement which draws in your attention. It frames the front of the showroom, acting as a highlighter for the vehicles inside, your eyes naturally moving to them after initially focusing on the building detail and design.


EBBETT
ISUZU
RAPTOR
D-MAX
TOUGH

Waiaroha Heretaunga Discovery Centre

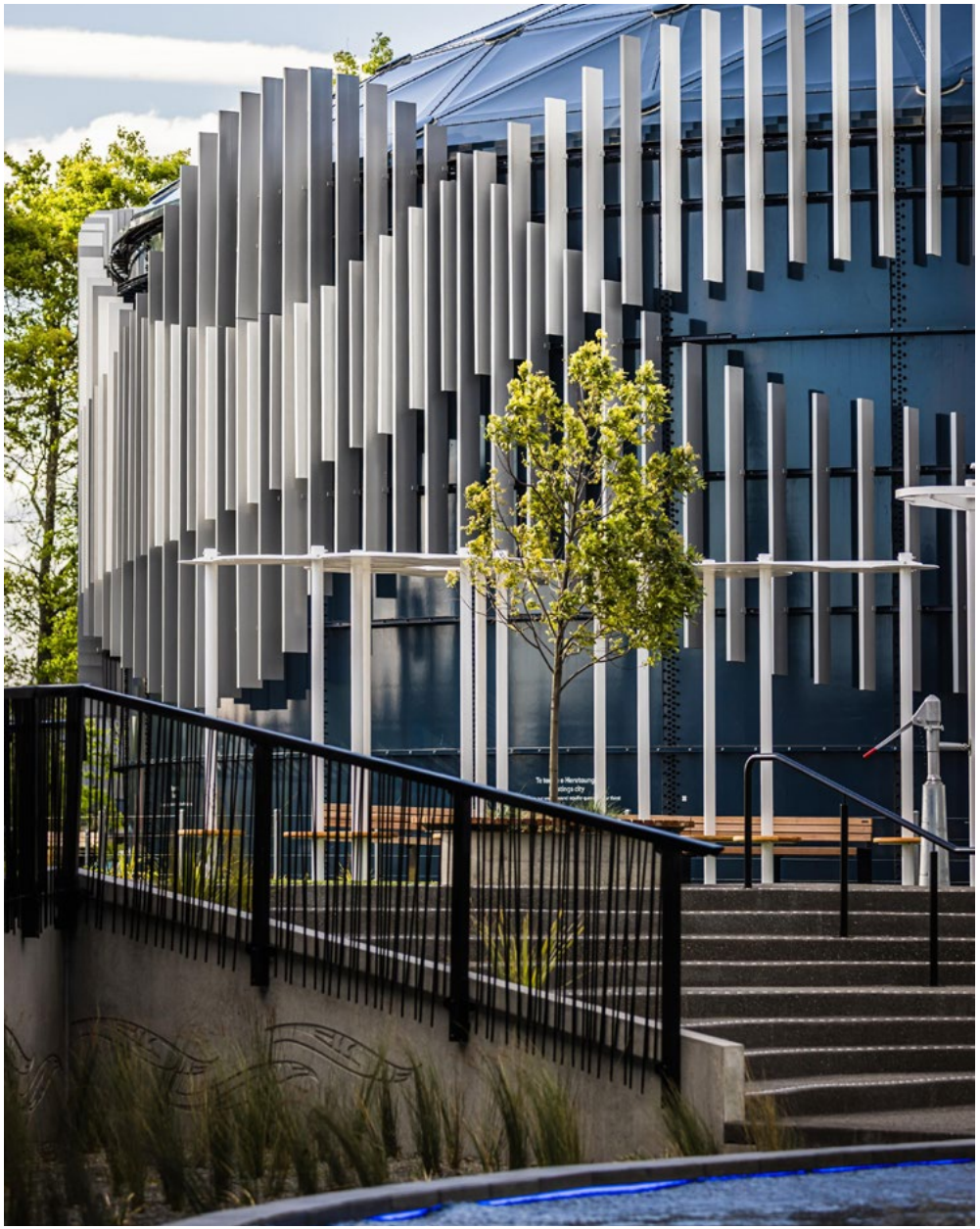
Location
Hastings

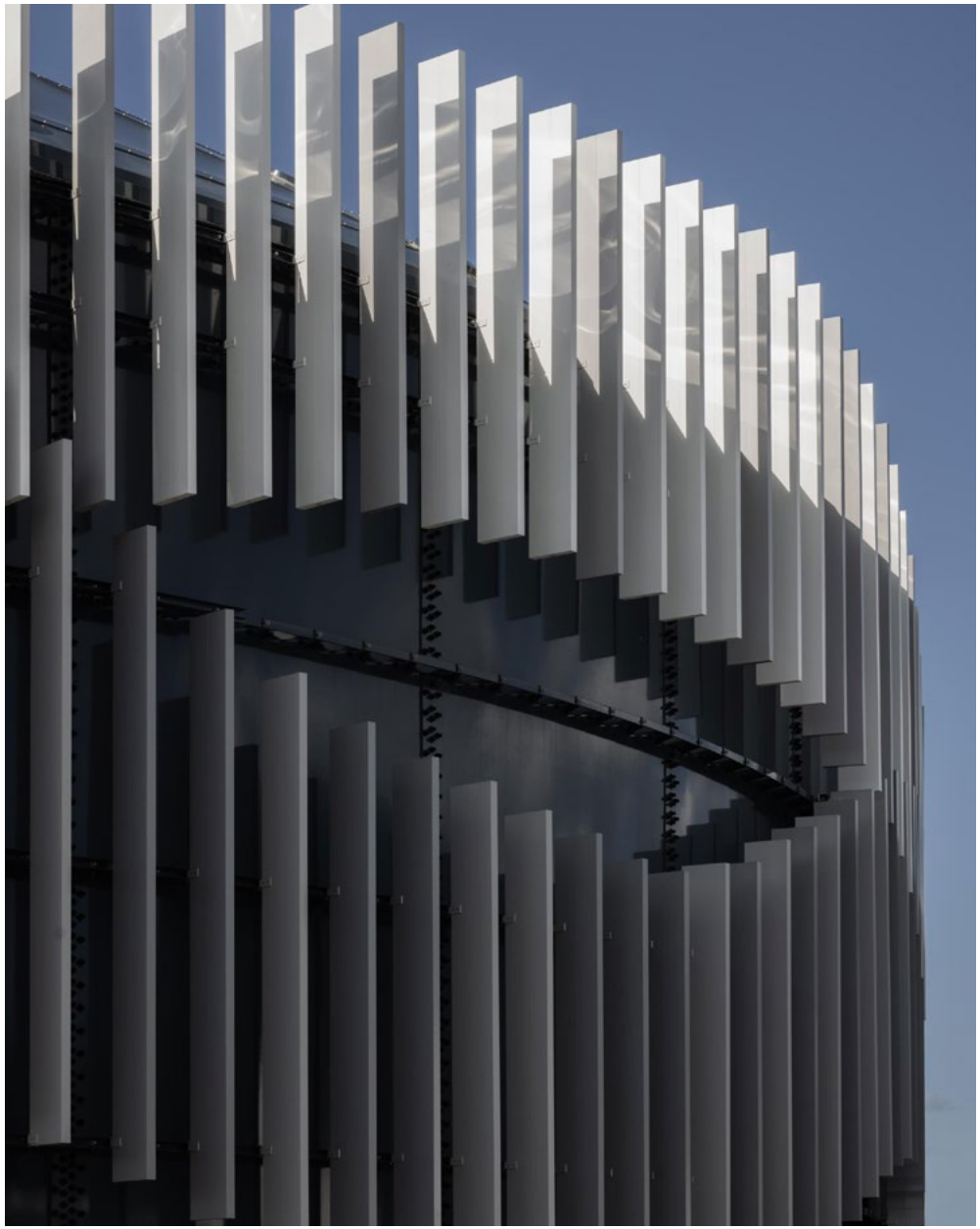
Architect
Designgroup Stapleton Elliot

Contractor
Gemco Construction

The Waiaroha Heretaunga Discovery Centre & Water Treatment facility features two 5 million litre water tanks, with the interactive discovery centre building between them. The design called for the water tanks to be wrapped in a flowing wave of louvres that cross over, providing a rippled aesthetic reminiscent of water undulations. The two 'waves' of louvres rise and drop, and as they do so, continuing around the corners of the round tanks, differences in reflection and shade provide a visual contrast.

A unique design which manages to openly promote civil infrastructure, turning facilities usually hidden from view into an educational experience, the completed project highlights how Councils can engage with residents through architecture. The use of the louvres on the exterior to visually represent the contents of the water tanks adds character where there is usually none. At the same time, the custom dapple panels are utilised to further draw attention to the structure and welcome residents to an experience that serves as important a purpose as the contents of those water tanks.





Aotea Centre Theatre

Client
Auckland Unlimited

Location
Auckland Central

Architect
Ignite Architects

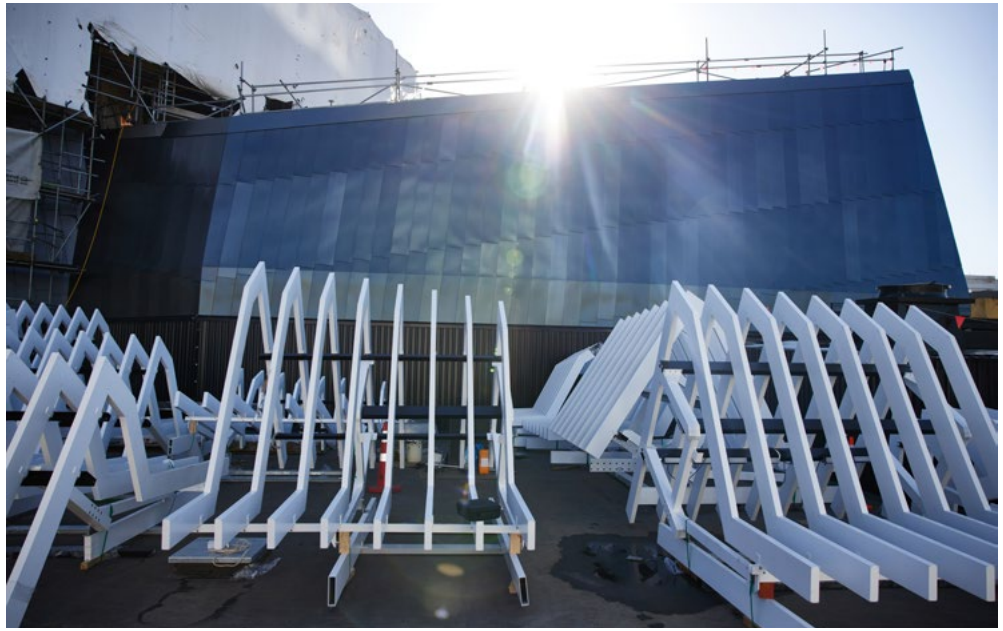
Contractor
NZ Strong Construction

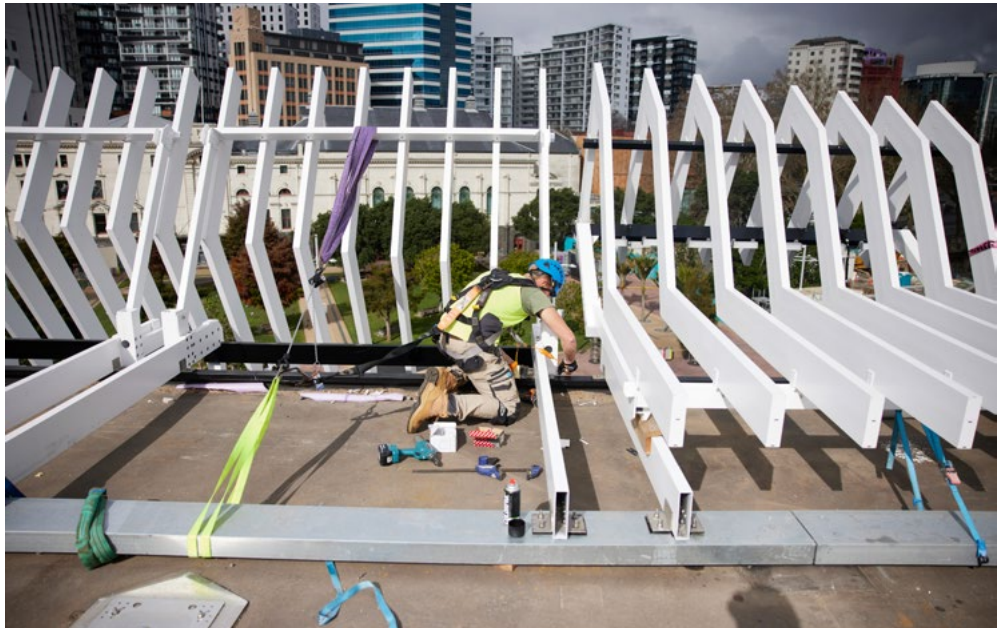
The Aotea Centre in downtown Auckland is New Zealand's premier venue for the performing arts and events. It sits at the creative heart of New Zealand, hosting world-class performances, events and exhibitions inside, whilst the public square at its footsteps bears witness to public events, political rallies and protests.

The immediate challenge of the design was ensuring the existing structure could support the dynamic wind loads imposed by the new feature. Insol carried out concrete scanning as well as invasive testing to establish the strength of the structure.

The end result is a show that plays out as rehearsed in the Architectural vision. At night time, the facade comes alive with colour and movement. It's the opening act, and like all good opening acts it commands your attention, beckoning patrons inside to experience more, and the delights of theatre, song and dance.


Aotea – Te Pokapū | Aotea Centre
TERRACE





38 Glenda Drive

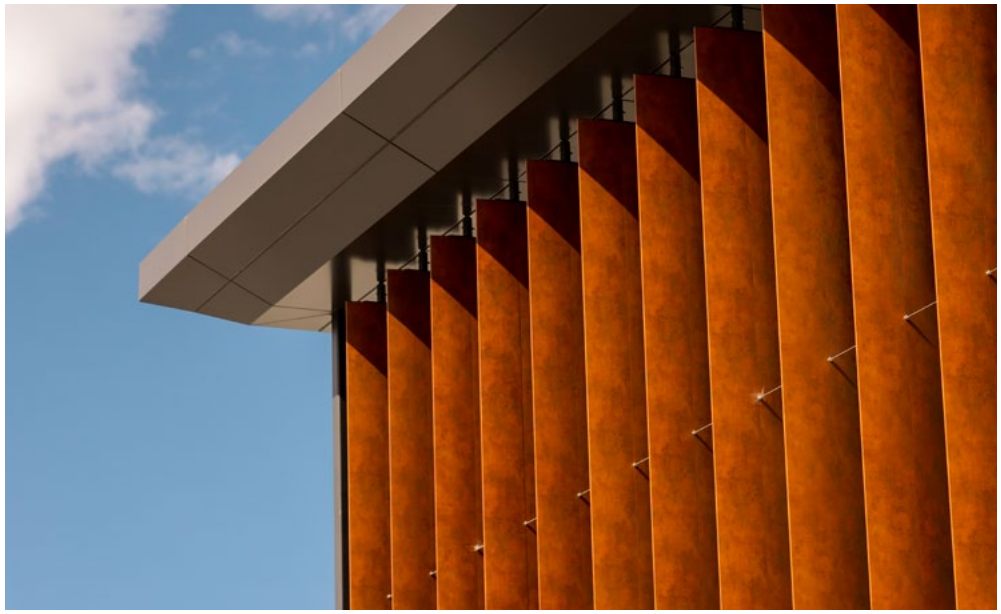
Location
Queenstown

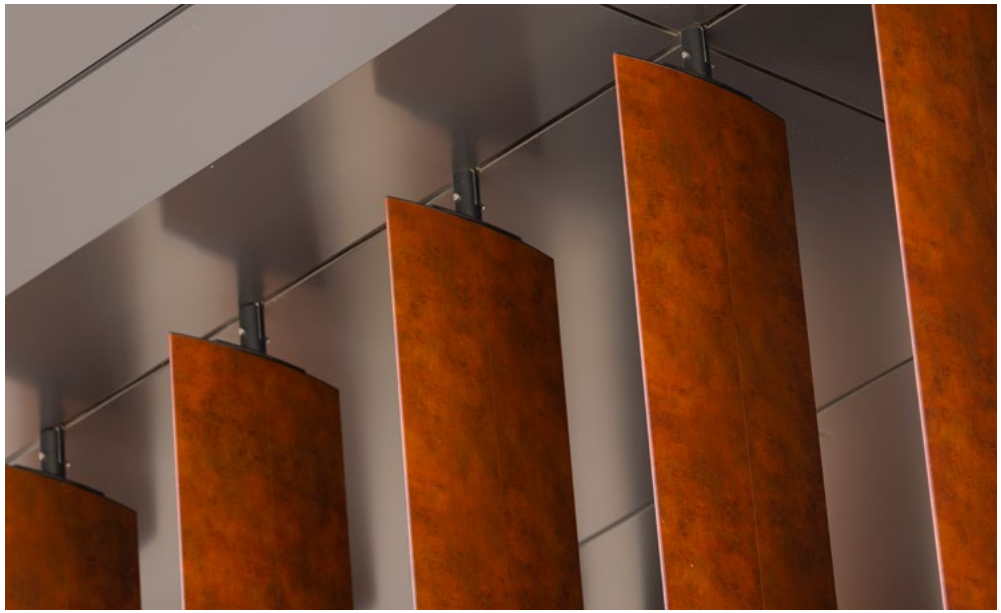
Architect
David Stringer Architects

Contractor
Naylor Love Construction

Competing for attention against the stunning natural beauty of the Southern Alps is a formidable task. It's made even more difficult by the impressive examples of architectural design in and around Queenstown. This is a region of both natural and man-made beauty. Within this visual feast sits a new commercial building at 38 Glenda Drive, designed by Stringer Architects. The background shades of the primary steel and concrete structure sit in perfect contrast to the Corten steel-look louvre blades, used as a feature statement on the building. It works to establish a non-competing canvas which allows the powder coated louvre blades to stand out, as they create a character and provide an immediacy to the aesthetic that commands your attention at ground level.

The dominant visual character is defined by the weathered, rustic look of the Corten powder coat finish. The brown-orange rust like appearance of the louvre blades catch the sun, providing thermal comfort for occupants and lighting the aesthetic for those outside at street level. The dance between shade and sun on the louvre blades is noticeable for its ability to further highlight the striking colour. When this happens, the effect is entrancing and showcases how a character driven design can compete against strong competition from the natural and built environment.





Dapple

Dapple is an extraordinary range of perforated sheet metal.

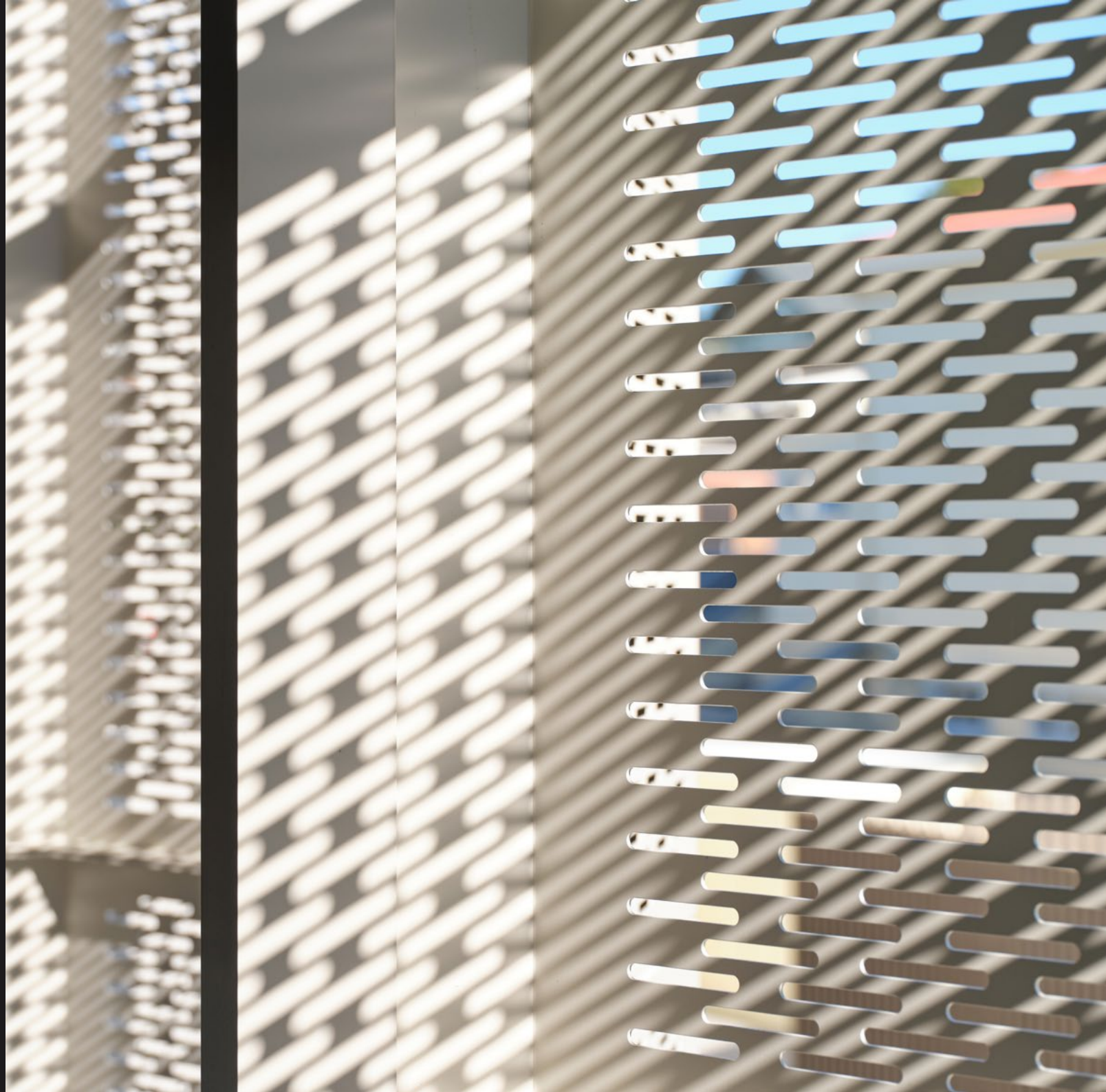
Thoughtfully designed, each pattern showcases a choreography of light, performed by deep shadows and dancing sunlight. The effect is entrancing and ever-changing.

For more information about our Dapple Perforated Metal and Canopy Range, please refer to our separate catalogue on our website or by scanning the QR code below.

insol.co.nz/resources/downloads

dapple BY INSOL

Mount Albert Grammer School, Auckland
Dapple "Dusk"



Services we provide

Design

We specialise in design solutions for complex projects with demanding architectural detail and construction methodology. Our combination of experience and expertise in design, engineering, manufacturing and construction management makes us uniquely placed to bring visions to fruition.

Design & engineering services are supported by advanced computer modelling and physical tests.

Solutions

We're active solution experts. That means we focus on an issue long enough to understand it — then we get to work on the solution. This is central to the Insol culture and the difference we bring. Working with architects on their vision, builders on their building methodology, or adjusting designs to meet budget is all completed with the considered efficiency you'd expect from the experts.

LOUVRE COLLECTION

These are the louvres that enhance and define the character of a building, backed up with design and testing that only Insol can offer

34 Onslow Street, Invercargill
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7 Waokauri Place, Auckland
09 276 9735 | enquiries@insol.co.nz