Memtech Acoustics

MEMTECHACOUSTICS.COM

CUSTOM NOISE BARRIER PROJECTS & ACCESSORIES



- VISUALLY APPEALING
- REDUCES NOISE
- UNIQUE DESIGNS
- INTEGRATION OF PRODUCT LINES

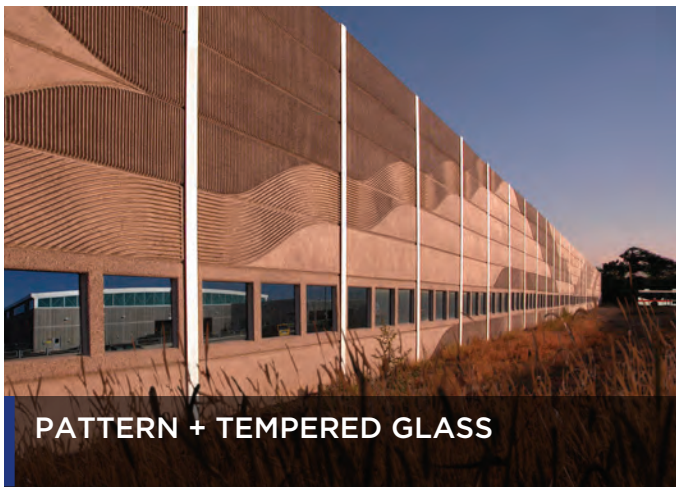
Memtech Acoustics supports custom noise barrier projects. The noise wall market is evolving with the growing importance of wall aesthetics, creating a higher demand for custom noise barrier projects than ever before. Custom designs and moulds can be developed to achieve the desired vision outlined by the customer. From concept stage to construction, we work one-on-one with clients to help them attain their project vision within their projected budget.

The system range allows for flexibility during the design process, with the option of integrating multiple product lines. Additionally, there are many unique options to consider when designing a custom noise barrier project: integrated lighting, trellis systems for vegetation, icon panels to display images, custom panel patterns, etched designs, and more!



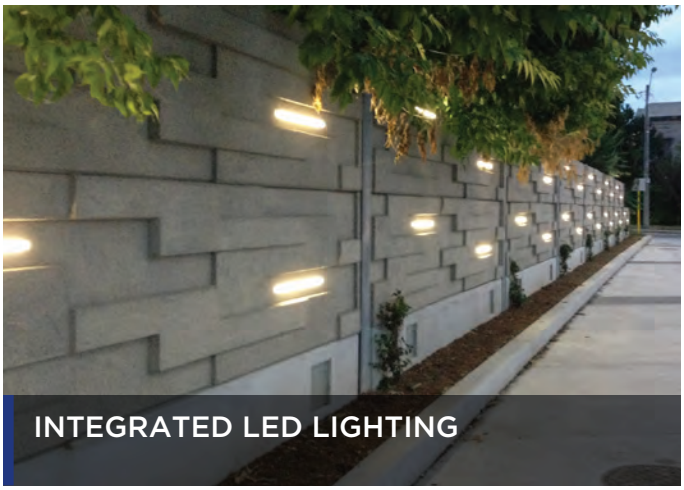
PATTERN + TRANSPARENT SHEETS

Custom panel pattern and colour integrated with transparent sheets.



PATTERN + TEMPERED GLASS

Custom panel pattern integrated with tempered glass panels.



INTEGRATED LED LIGHTING

Panels with integrated LED lighting.



PATTERNED RETAINING WALL

Custom patterned retaining wall panels designed to cover posts.











CUSTOM CURVED TRANSPARENT SHEETS

This project features custom clear transparent sheets with etched “bird striping”, bent to fit as required in each curved section. The noise barrier is an aesthetically pleasing solution for noise abatement for the surrounding public.



INTEGRATED LED LIGHTING

Custom noise barrier panels can be engineered with integrated LED lighting. In this design, the sound wall surrounds the perimeter of a bus facility, mitigating noise created by the significant number of buses operating at the facility. The lighting creates a moving display of coloured lights across the panels, representing various bus routes. Alternating colours of light indicate the bus routes, while the intensity of the light pulses reference the frequency of buses and activity throughout the rush hours and lulls in the day.



















CUSTOM ICON PANELS

This project features custom icon panels that showcase local children's artwork. An additional wall features a cityscape mural embedded into the surface. Icon patterns consisting of horizontal and vertical lines spanning across multiple bays tie into a replicated design on concrete abutments along the freeway. Each wall features multiple colours and patterns for an aesthetically pleasing finish.



GRASSLANDS PATTERN WITH TRANSPARENT SHEETS



FULL HEIGHT GRASSLANDS PATTERN



FULL HEIGHT TRANSPARENT SHEETS



GRASSLANDS PATTERN SECTION CONNECTED TO TRANSPARENT SECTION

RAIL CORRIDOR PATTERNS

This design series features custom wall patterns for a rail corridor. With trains passing through residential and commercial properties at regular intervals, noise barriers play a crucial role in attenuating the additional noise generated along the corridor.



Custom wall designs can be engineered for large rail corridors, with custom precast panels and transparent sheets installed together.

To bring a client's vision from concept to reality, new noise barrier patterns and wall moulds can be designed. An attractive "grasslands" pattern (viewed from the residential side) features green and orange grass blades embedded into the surface of the wall. A unique feature to this wall segment is the addition of trellis wires anchored to the wall, which allows vegetation to climb up the wires. Additionally, the integration of transparent panels mounted on top of the wall creates the appearance of a reduced wall height and allows sunlight into residential properties.

The "ribbon" pattern (viewed from the rail side) calls for custom trapezoidal panels providing sufficient bearing to support the transparent system above. The continuous "ribbon" pattern features green and orange vertical ribs imitating a moving ribbon along the corridor.



RIBBON PATTERN



TRANSPARENT SHEETS ON CUSTOM RIBBED PANELS

DID YOU **KNOW?**

Custom patterns, colours and transparent sections can turn a noise barrier into an **architectural feature** of the corridor.



FILMSTRIP PATTERN

The "filmstrip" pattern is another unique design. Custom horizontal rib patterned panels encase rectangular tinted transparent sheets with detailed vertical lines throughout. This design was created to emulate the appearance of film strips.

A wall section can combine tall transparent panels set on custom ribbed panels. Multiple sheets of various colours and bird striping complete the look.

Plain concrete panels along a section of the corridor can also allow local artists to paint murals and bring local artistic culture to the wall.



PLAIN CONCRETE PANELS WITH ARTIST MURALS

GRAPHIC CONCRETE

Turn your design vision into concrete reality.
Any pattern. Any design.
One simple technology.
Turn walls into wows!

- Custom graphics suited to your requirements
- Durable as concrete itself
- Surface pattern stands the test of time unless exposed to mechanical stress
- Colour of stone is fully maintained/preserved
- Environmentally friendly– is free of hazardous substances
- Practically maintenance-free
- Anti-graffiti coating can be applied
- Ideal for projects in which concrete surface will be exposed to extreme conditions (e.g. for tall buildings and infrastructure projects)



CUSTOM GRAPHIC CONCRETE PANEL

DID YOU **KNOW?**

Clients can choose from a collection of ready-made patterns or create their own pattern – any design that can be printed on paper can be imprinted onto concrete. **The options are endless!**

Get our team working on your next custom solution today. Contact Memtech Acoustics to discuss your project.

Memtech Acoustics

Memtech Acoustics supplies noise barrier and retaining wall systems that serve the needs of the transportation, building and energy sectors.

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