Noise is fast becoming one of the most contentious environmental problems in urban areas worldwide. As urban noise continues to collide with residential sprawl, residents and communities are demanding better noise abatement treatments. No matter what the application we have the perfect solution with the Modular Wall System. We are serious about providing stylish, yet economical walls that achieve their acoustic purpose for the benefit of the greater community. Discover what’s possible with Modular Wall Systems.
The Modular Wall System

The Modular Wall is a light weight wall system designed to replicate the look of a rendered masonry wall. The design allows the user to economically and quickly erect a wall that requires less infrastructure support.

Comprised of composite fibre cement sandwich panels supported by a unique post system. When erected the wall displays amazing brick like strength.

Some advantages are:
- No need for expensive strip footings.
- Our composite sandwich panels are lightweight and super strong, any expansion and movement can take place within the unique post system meaning the wall will never crack.
- Modular construction means there is no wastage of materials with minimum site disturbance during installation.
- National Acoustic Laboratory tested and rated
- Wind rated up to Category D.

Not only are we the inventors and manufacturers of the Modular Wall System but we are also able to design a solution that is specifically tailored to your requirements. We can then project manage the entire process for you, from manufacture to site installation.

Sound Reduction Qualities
Keep traffic, construction noise or the neighbours at bay with Modular Wall Systems.
National Acoustic Lab tested and rated.
Details available on request.

Wind Regions
Proven wind load performance means your wall will withstand all nature can throw at it.
Rated and suitable for regions A, B, C and D.
Details available on request.
Add value to Residential homes with a light weight wall system that’s designed to replicate the look of a rendered masonry wall, without the cost and hassles.

The Modular Wall System is comprised of composite fibre cement sandwich panels supported by a unique post system. The post system holds the panels in a rigid position whilst allowing room for expansion or movement internally within the post and will never crack. When erected the wall displays amazing brick like strength.

The wall is completely modular which ensures close to zero wastage, saving costs and almost completely eliminating mess during construction.

Perfect for boundary walls, estate front fences and feature walls. All panels are internally recessed to accept wiring for lighting, sound or security.

- Strong and Durable – Super high impact resistance
- ACOUSTICALLY RATED – Ideal for noise reduction from busy roads
- Factory installed or simple DIY kits
- Fast Construction times
- Minimal site disturbance
- Add designer slat infills, gates or a letterbox
- Paint, texture or render finish for the ultimate ‘WOW’ experience

Fast installation. Quality finish, precision engineering
Get privacy, security and noise insulation for your commercial premises with an aesthetically pleasing, functional BarrierWall, without the high construction costs.

With over 4000 projects completed Modular Wall Systems are clearly the industry leaders for innovative acoustic solutions. Our completely Australian designed and manufactured wall system comprises composite fibre cement sandwich panels supported by a unique post system.

As the manufacturer we can work with you to tailor a ‘site specific’ solution to meet your exact requirements with minimal lead time.

- Proven acoustic performance (National Acoustic Laboratory tested)
- Light weight construction
- Quick and easy installations with no need for large machinery or lifting equipment
- Speed of construction allows it to be one of the most cost effective sound barrier systems available
- Difficult locations - Due to the light weight properties of the components, remote locations and / or difficult sites can be readily serviced
- We have engineered and built walls in locations as environmentally harsh and remote as Karratha (wind region D) W.A
- Availability - Minimal lead-time requirements.
- Aesthetics - Superior finishing options and quality. The Modular Wall has the same pleasing appearance on the back as the front
- Heights above 4.5m possible upon request

### Acoustic Wall to 3m
Manufactured to suit acoustic performance
Wall Heights: 0.6m up to 3.0m
Panel Span/Post centres: 2.6 m, 2.9 or 3.2m
Post Width: 250mm

### BarrierWall
Super strong post system achieving greater wall heights with acoustic panel walls
Wall Heights: 3.0 up to 4.5m. Taller walls designed specifically on request
Panel Span/Post centres: 2.5m or 2.8m
Post Width: 150mm

### GuardianWall
Designed for extended life
Wall Heights: Up to 9.0m
Post Width: Depends on application

### Gates
Solid Panel sliding or hinged gates
Maintain access with acoustic integrity
Complete kits including hinges and latches or tracks and rollers
Construction noise is one of the major environmental issues Australia wide - not only from building works but also from demolition, remediation and renewal; the maintenance and upgrades of services like water, power and telecommunications; New Liquefied Natural Gas (LNG) developments; along with temporary mining and drilling operations. All these projects challenge the boundaries of acceptable noise levels, particularly where work sites are located close to residences during construction or development.

Modular Wall Systems Temporary Noise Walls focus on applying a range of solutions most suited to minimise construction noise impacts. While some noise from construction sites is inevitable, our aim is to protect the majority of residences and other sensitive land uses from noise pollution.

Through extensive research and development and in consultation with major mining companies MWS developed the QuikWall. It is lightweight, extremely easy to manoeuvre and has excellent noise mitigation qualities.

Our KerbWall comprises our Modular Acoustic Wall Panel coupled with a standard F-Type or A-Type Kerb for a robust solution in high traffic areas. Durable and structurally sound these KerbWalls can be used many times over.

- Superior finishing options and quality, a terrific visual barrier
- Our barriers also provide outstanding sediment control
- From design and manufacture, through to delivery. MWS provide a comprehensive turnkey operation
- Purchase or Hire* to suit your requirements
- Proven acoustic performance (National Acoustic Lab tested and rated)
- Cost effective, little to no disruption to your programmed works
- Re-locatable

* Conditions Apply
We have designed and constructed many successful projects across a wide variety of industries and government departments. The following case studies will give you a sense of what’s achievable with Modular Wall Systems.

**PROJECT**
Desalination Plant, Kyeemagh, Muddy Creek & Sydney Park NSW (3 SITES). As featured in the Interim Construction Noise Guideline as an excellent example of noise mitigation from the NSW Department of Environment and Climate Change.

**CLIENT**
Water Delivery Alliance (WDA) - Bovis Lend Lease and McConnell Dowell

**PURPOSE**
Noise Attenuation and security wall at the Kyeemagh, Muddy Creek & Sydney Park works compounds.

**SPECIFICATION**
- Kyeemagh & Muddy Creek - 230m of 4.2m high BarrierWall and 55m at 3.0m high. Construction time from a green field site to a finished wall was 10 working days for the Kyeemagh site.
- Sydney Park - 65m of 5.0m high BarrierWall. Construction time from a green field site to a finished wall was 6 working days.

**TESTIMONIAL**
“We were all very happy with the work carried out. Everything was done in a very efficient and professional manner and the guys are a great team to work with. Thanks again”
PROJECT
Hellam Health Care
CLIENT
Whitcon Constructions and AMP Trust
PURPOSE
Acoustic attenuation, security and maintaining general amenity.
SPECIFICATION
2.7m – 3m high VogueWall with AcoustiMax 75 panel. 105m long. Completed within 7 days.

PROJECT
Burpengary Interception
CLIENT
Walton Constructions
PURPOSE
Sound barrier wall for Weigh Station Offices
SPECIFICATION
3.6m high BarrierWall – National Acoustic laboratory tested and rated. Now deemed to comply with Cyclonic Wind Regions

PROJECT
Forestville RSL
CLIENT
Premier Building Group
PURPOSE
Additional of an outdoor Smoking/ Poker Machine room
SPECIFICATION
4.5m high BarrierWall 30m long with AcoustiMax 75 panel noise absorption lining integration to meet higher acoustic requirements.

PROJECT
Forest Hwy Noise Wall (Perth/Bunbury Freeway)
CLIENT
Main Roads WA/Southern Gateway Alliance
PURPOSE
Provide noise abatement to surrounding rural properties
SPECIFICATION
1.3km long 1.8m high GuardianWall with AcoustiMax 75 panel
“Modular walls have reduced noise (in excess of 25dB) as well as making substantial improvements to the general amenity and sediment control of the area. A good result for the environment” Energy Australia
**PROJECT**  
Stanhope Parkway  
**CLIENT**  
Cardno on behalf of Landcom  
**PURPOSE**  
Noise attenuation for new land release estate  
**SPECIFICATION**  
1.8m tall TrendWall 130m long with the ability to apply commissioned artwork by local artists to the panel surface.

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**PROJECT**  
McDonalds Resturants Australia  
**CLIENT**  
McDonalds Australia’s registered Contractors  
**PURPOSE**  
Acoustic & Perimeter Security Walls, primarily for Drive Thru lowering the noise level for surrounding residents and allowing 24 hour operation. BarrierWall with AcoustiMax 75 panel.

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**PROJECT**  
Temporary sound wall during the construction of an electrical sub-station.  
**CLIENT**  
Energy Australia  
**PURPOSE**  
To protect local residents from the noise of construction and night works.  
**SPECIFICATION**  
2.4m tall wall x 100m long built to be mounted on a 1m high concrete jersey kerb.

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**PROJECT**  
Ryde Bus Depot  
**CLIENT**  
Roads and Traffic Authority NSW  
**PURPOSE**  
Noise attenuation wall shielding local residents.  
**SPECIFICATION**  
163 meters of 3.3 m high Traditional Wall with special base plate footing design to existing slab. Including 6m sliding gate specified.

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**PROJECT**  
Melbourne DIY  
**CLIENT**  
Private resident  
**PURPOSE**  
Transform a drab backyard into a showpiece  
**SPECIFICATION**  
2.1m high Court yard perimeter, TrendWall and Estate Piers used with added lighting.
About us

The MWS group has been in the composite panel business for over 25 years. Projects such as the Melbourne Tennis Centre completed in 1987 are testament to the longevity of the technology.

In 2004 Nicholas Holden combined the well known attributes of sandwich panel construction (lightness and strength) with a free-standing wall system and the Modular Wall was developed.

The company has since supplied thousands of walls all over Australia and New Zealand. Modular Wall Systems have proven to be an integral asset to our Partners in recent years, some of our Commercial and Civil clients include, Main Roads WA, BHP Billiton, Coles, Myer, McDonalds Australia, KFC, Delfin Lend Lease, McConnell Dowell, Leighton Holdings, Hansen Yunken, Energy Australia, Sydney Desalination Commission, RTA NSW, Reed Construction, AGL, Xstrata, Leicon and Main Roads QLD.

All of our manufacturing is under the one roof. We are manufacturers in the true sense of the word, we can control and pride ourselves on our precision, speed of dispatch and we’ll go above and beyond the call of duty to find a solution to any problem.

Not only have we changed the way residential walls are built our commercial acoustic walls are also setting new benchmarks for noise solutions that benefit the greater community. Modular Wall Systems have truly provided a revolutionary way to build stylish, effective walls for less.

Residential Walling Solutions

Modular Wall Systems add value to any home, with a considerable time and cost saving over a comparable brick wall. With rated acoustical benefits and minimum site disturbance during construction, a Modular Wall offers far more than just economical benefits. Residential Modular Walls are perfect for boundary walls, grand front fences and feature walls. Visit www.modularwalls.com.au for more information.