

ENGINEERING

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# CAPABILITY STATEMENT

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FABRICATION



MOLONEY & SONS™  
ENGINEERING

*excellence integrity innovation*



Whether you  
require in-house  
fabrication, on-site  
welding or steel  
installation, MSE  
is strategically  
positioned to best  
provide prompt  
*quality*  
services, the  
first time.

Our Engineering Fabrication services include the following key areas:

**MAINTENANCE AND FABRICATION**

**INDUSTRIAL PAINTING & SANDBLASTING**

**IN-HOUSE SHOP DETAILING & DESIGN**

**STAINLESS STEEL & ALUMINIUM FABRICATION & REPAIRS**



# local | PROJECTS



Proudly Servicing Central  
Queensland's Growth through  
Fabrication and Erection



# PROJECT | *spotlight*

## ARB Rockhampton Warehouse and Showroom





MSE were engaged by the Principal Contractor (Hutchinson Builders) as the Principal Structural Consulting Engineers to deliver the projects complete structural engineering design & Engineering Manufacturers for supply and install of all Structural Steel for the newly completed 2500sqm ARB Showroom/Warehouse in Rockhampton Q



*what we did*

- Structural Engineering Design/ Certification
- Shop Detail Drawings
- Fabrication
- Sandblast & Paint
- Erection

***Project Value:*** 3.1million

***Total Steel Tonnage:*** 60T





# PROJECT | *spotlight*

JCU Townsville  
Central Plaza



A real **KEY** to this projects resolution was found in MSE's Team experience...  
Tradesmen with the Engineering 'Know-How' & team to spot  
construction limitations and *solve* them.



MSE was engaged as a result of our strong RPEQ Engineering Design & 3D modelling capabilities coupled with our manufacturing ability, to assist in solving the extensive constructability issues involved with the proposed design. The Precinct's Covered area was riddled with complex member design not possible to clearly illustrate on paper. A raft of members involved complex biaxial rotation & tight curve radii's beyond the members and present day manufacturing capacity.

With the presented issues at hand, MSE went to work bringing continuous engineering improvement to the design by changing member profiles & introducing custom fabricated members pieced together out of 2D laser cut parts.



*what we did*



Custom Stainless Steel mirror finish warped around columns. The columns created an extreme challenge for MSE to fabricate. After many reviews, design changes & problem solving MSE wrapped the structural steel columns in mirror finish stainless steel. Creating the desired look the Creative Architects desired.



# PROJECT | *spotlight*

**Toolooa State High School**  
Covered Link & New Learning Centre





The new Covered Link at Toolooa State High was a very challenging build for all contractors because of its limited access, challenging layout and Different Levels.

Because of limited access and staging of works MSE used several different construction methods to deliver this project to the excellent standard it is.



*what  
we did*

MSE was able to deliver this challenging build to an excellent standard through continuous communication and staging the project in order to solve the design issues that come with a complex build like this.

Scope included:

- Shop Detail Drawings
- Fabrication
- Installation





# PROJECT | *spotlight*

**North Rockhampton Special School**  
Undercover Area - Structural Steel D&C

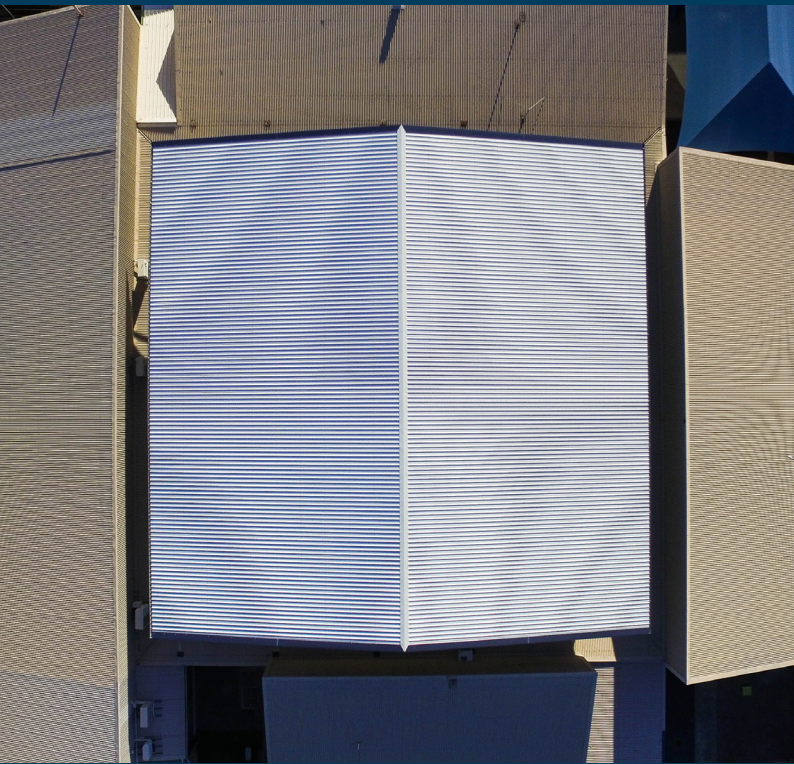




The North Rockhampton Special School was a complete Design & Construct for MSE, delivering all Structural Engineering Design & Certification in partnership with our in-house Chartered Professional Engineers & Experienced Tradesmen supplying & installing all structural steel, steel reinforcement, rigging & erection.



From Tender Concept to For Construction, our engineers were able to refine the steel design, by shaving a little over 2T of steel and approx. ~\$12k off our tender price, delivering a more economical build for the Client. Access was very tight and MSE designed the structure in a way that the Roof could be assembled in the carpark and lifted in one lift meaning Structural Steel Erection only took 3 days to complete allowing other trades to get in and complete their works on time.



*what we did*

- Design & construct
- Shop Detail Drgs.
- Fabrication
- Erection





# PROJECT | *spotlight*

**Ozcare Mackay**  
Structural Steel



MSE delivered the structural steel package including the large Portico frame, located at the entrance. MSE took advantage of the well designed structure and built the roof frame on the ground which halved the construction time while also minimising working at heights, creating a safer workplace for all.



*what  
we did*

MSE's scope included:

- Shop Detail Drgs.
- Fabrication
- Sandblast / Painting
- Erection

It was a pleasure to be apart of a project like this in Mackay adding value to the community.





# PROJECT | *spotlight*

## Kalka Shades Hockey Fields

Structural Steel Video Tower & Balustrading





MSE provided the structural steel package to the new Kalka Shades Hockey Development, building Infrastructure to draw the world to Central Queensland.



*what  
we did*

- A New 30m Pedestrian Bridge to provide access from the old fields to the new
- New Video tower 3 Stories
- 2 x Cover Areas
- 2 x Amenities Buildings
- 1 x Dug Out Building for players/ staff
- Shop Detail Drawings
- Fabrication
- Erection/Installation





# PROJECT | *spotlight*

**North Rockhampton Nursing Centre**  
CEC Pritchard Refurbishment





## MSE Scope Included:

- Shop Detailed Drawings
- Fabrication
- Erection
- Sandblast
- Paint



*what  
we did*

MSE provided the fabrication and erection of structural steel for a full refurbishment of a ward at the North Rockhampton Nursing Centre, bringing a fresh and much needed upgrade for the residents of the centre.











# *maintenance* **SERVICES**

- Structural Steel Fabrication and Erection
- Stainless Steel and Alloy Fabrication and repairs
- Quarry and Construction Equipment Repairs
- Engineering Certifications
- IMobile welding
- Seconded labour available
- Modifications to Plant, Equipment and Vehicles
- On-site Air Arc Gouging and Oxy Cutting
- On-site polishing and finishing





*skilled*  
**TRADESPEOPLE**

MSE'S DIVERSE RANGE OF QUALIFIED AND HIGHLY SKILLED PROFESSIONALS AND TRADESPEOPLE INCLUDE:

- Supervisors
- Engineers
- Draftspersons
- Boilermakers
- Welders
- Laboureres





ISO 9001 Accredited  
Professional Indemnity & Public Liability  
Insurance cover up to \$10m & \$20m



# | ENGINEERING | DRAFTING + *design*

- Conceptual design
- Drafting of fabrication/  
shop drawings
- Engineer certification







# *plant* |EQUIPMENT **REPAIRS**

PLANT AND EQUIPMENT REPAIRS FOR  
A RANGE OF GEAR INCLUDING:

- Conveyor Systems
- Graders/Bulldozers
- Loaders
- Earthmoving Attachments
- Trailers
- Water Tankers/Alloy Tanks
- Boat Repairs
- Elevated Work Platforms (EWPs)



*who* WE ARE +  
*what* WE DO





As a new organization, Moloney & Sons Engineering (MSE) are dedicated to establishing a profound reputation built upon personal yet professional engineering services. Structured with a unique and diverse list of capabilities, Moloney & Sons paired business and skill base includes; Engineering Fabrication & Consulting Engineer services. These two disciplines complement each other by providing our clients with direct access to a proactive and readily available senior resource team, offering over 30 years' experience in projects ranging from heavy duty structural steel fabrication through to engineering certification & design.

# OVERVIEW

Whether it's on-site structural fabrication and installation, stainless steel & alloy fabrication and repairs or compliance inspections and certification, Moloney & Sons are your certified, principal Consulting & Manufacturing Engineers with local significance and global experience.

At Moloney & Sons, its Godly principles, client value and direct senior staff involvement in projects that helps set them apart. With an invested interest in your projects success, at Moloney & Sons you will not be treated as another client but welcomed as part of the family.

MSE currently services the Central Queensland region, operating from our base in Rockhampton. Whether you're located in town or on a mine site, MSE can provide a prompt local service for all your engineering fabrication & manufacturing needs, whether mobile, on-site, or inhouse repairs and maintenance. Equipped with a management team which has more than 30 years of combined industry experience and a recognised team for providing efficient and quality service as we assist our clients with engineering services, fabrication & repair projects.

At MSE, we consult then we add value. Our business structure allows us to change the tide on Australia's high end labor and materials pricing pattern. Resulting in comprehensive, professional engineering services at unparalleled competitive market values whilst maintain our statues of absolute excellence.

We consult first so we can tailor our approach to appropriately meet your needs, so you get the best value for your investment.

“  
we  
add  
value”





*Meet Our*  
**MANUFACTURING  
MANAGER**

As MSE's lead governance for all engineering fabrication & manufacturing, David carries with him a wealth of trade & professional experience from a developed in career commencing with shop & site fabrication, major steel built infrastructure and mining/ plant equipment maintenance repair works to a professional role in structural engineering design. With a committed eye, focused towards accuracy and attention to detail, coupled with the desire to grow and maintain his professional skill set, David has the key character attributes & skills to lead and grow Moloney & Sons fabrication & manufacturing services.

*David Moloney*



# GET IN TOUCH

*We'd love to hear from you*



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