



Lovemore Bros.

MACHINE MOVING AND RIGGING CONTRACTORS

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Simply getting on with it.

LOVEMORE BROS BUILDS REPUTATION AS RIGGING SPECIALIST AT SHOPPING MALLS

Over the years Lovemore Bros has built a reputation for providing a high level of expertise in the shopping mall sector especially where out-of-the-ordinary engineering challenges have presented themselves.

For example, heading the list of challenges, is **Musgrave Centre** where the erection of the dome on the rooftop required an innovative solution to rig in the individual timber arches before they were clad with glass.

This involved hoisting a crane truck onto the shopping centre's roof. This was necessary because back in 1994 there were no cranes big enough to perform the task from road level. Craning a truck to the rooftop therefore, whilst sounding extraordinary was the most cost effective method.

Before craning the truck to the rooftop the upper slabs had to be back-propped to cater for the imposed load and creating a "track" for the truck to manoeuvre on a predetermined route..

Using the truck's rear-mounted hydraulic crane with manual extensions for additional height, the individual arches were lifted and gently rigged into position.

"Whilst we were on site we also installed the escalators at Musgrave which may sound simple enough," said MD Bruce Lovemore, "But was actually very intricate because the task had to be carried out in extremely restricted conditions. Making matters more complex, the job had to be done whilst the centre was open".



A crane hoists a Lovemore Bros truck to the rooftop of Musgrave Shopping Centre where it was deployed to position the dome

"Customers at Circus Circus were treated to some free entertainment," Lovemore quipped.

An equally daunting task was the positioning of the dome at **La Lucia Mall** in September 2002. As with the Musgrave Centre job the structure - which is about 20 metres in diameter - was built off site on an adjacent roof top. This was done to speed up the fabrication process, but posed the problem of installing it on the roof 50 metres away.

"To accomplish this we designed a purpose built jack which allowed us to rig the 25 ton structure across the rooftop before raising it six metres higher and positioning it in its correct location."

At all times the cumbersome dome had to be securely tethered to prevent it from being buffeted by high winds or gusts. This was achieved using a "lift and lock" operation.

Lovemore Bros was commended for engineering a solution that had been

perplexing the mall's consultants and contractors for some time.

Other shopping mall projects included installing the escalators at **the Pavilion** whilst the centre was under construction and at **The Wheel** in Point Road where the middle atrium escalators had to be turned 180 degrees.

At the **Gateway Theatre of Shopping** Lovemore Bros was contracted to hang the huge moulded figures that are suspended from the roof in the main atrium. They had to be transported to the centre from the manufacturer, carefully manoeuvred inside and erected by hand. The figures were bulky, but light to transport and hang.

"Having done a wide variety of projects at shopping malls in has positioned Lovemore Bros as a preferred mover of equipment, big and small, fragile and robust. We have the expertise and equipment at our disposal and where necessary we manufacture bespoke solutions to enable us to move intricate machinery or infrastructure."

Rigging

Machine Moving

Abnormal Loads

Mechanical Projects

Warehousing