

BROADWAY THEATRE

Macau / China

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BROADWAY THEATRE

Country / City: China / Macau
Completion: 2016
Capacity: approx. 3,000 seats
Usage: Traditional Theatre

Technology



Over Stage Engineering

Overview

J&C Joel was awarded to design, supply and install a complete package of theatrical rigging, stage engineering and drapery systems for the Broadway Theatre at Broadway Macau.

Working directly with the project management team, J&C Joel delivered rigging equipment, control systems, curtain tracks and bespoke theatre drapes throughout the venue. As a result, the theatre received an integrated technical solution designed to support both large scale productions and smaller performances.

Within the stage area, J&C Joel designed and installed an extensive overhead stage engineering system. This included motorised trusses for lighting and scenic rigging, alongside static trusses for the suspension of border and leg curtains.

Additionally, curtain tracks were mounted to both the galleries and trusses, providing flexible drapery solutions across the stage. Pin rails were installed on either side of the stage, running its full depth to support theatrical rigging operations.

The stage enginneering package included 16 x 250kg D8+ chain hoists, 57 x 650kg D8+ chain hoists and 16 x 1,000kg D8+ chain hoists. In addition, J&C Joel supplied a 32-way chain hoist control system with all cabling and an 8-way chain hoist control system with cabling.

The installation also featured 100m of box truss, 250m of ladder truss and 100m of catwalk truss. Furthermore, J&C Joel installed 20m of pin rail with belay pins, over 250m of curtain track and 3 x Tracdrive curtain motors.

Alongside the stage engineering package, J&C Joel manufactured and installed a complete set of bespoke stage and house drapes.

The black stage drapes were manufactured from black Heavy Velvet Velour and measured 32m x 16m with 50% fullness. The Front of House drapes were made to the same measurements with 50% fullness and were manufactured from Angel Fire Vegas Velvet Velour.

Furthermore, auditorium drapes measuring a combined 195m x 8m were supplied with 50% fullness.

To increase the versatility of the venue, J&C Joel designed, supplied and installed a bespoke auditorium reduction curtain system.

The system allowed the theatre to reduce its capacity from around 3,000 seats to 1,000 seats, making the auditorium more suitable for smaller performances and functions.

To achieve this, J&C Joel supplied motorised trusses with an integrated control system. Modular drapes manufactured from Wool Serge 565 (WS090) could then be positioned at different locations along the trussing. Consequently, the venue could adapt the auditorium to suit the scale and requirements of individual events.





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