

Overseas Passenger Terminal, Sydney

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To help Sydney safely accommodate the ever increasing demand from some of the world's largest cruise ships, an extensive renovation was undertaken to the existing Overseas Passenger Terminal in Circular Quay. Part of the design brief was a requirement for large frameless glass sliding doors to three of the building's elevations to facilitate not only normal passenger movement, but also emergency egress requirements.

record Automatic Doors supplied and installed 16 automatic bi-parting sliding door operators, with 15mm low iron toughened glass door panels. The typical opening size for each sliding door was 3000mm high x 3000mm wide for a total door weight of 340kg, requiring dual motor STA 20 single sliding door operators that are synchronised to create a bi-parting door opening.

For the East Elevation sliding doors, which are exposed to strong wind gusts from Sydney Harbour, a specially designed continuous floor guide was installed flush to the finished floor with a bottom rail to the door wings. To the main entry sliding doors on the West and South Elevations a custom stainless steel clad plywood pelmet was fabricated to tie in the sliding door operators with the 250mm deep mullions from the surrounding operable glass louvre facade.

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