ARGYLE STORES
SYDNEY, AUSTRALIA

smoke containment screens • smoke curtains • fire curtains • horizontal fire curtains • smoke & heat release vents • natural ventilation • fire resistant glazing • horizontal glazing • smoke doors • fire doors • intumescent paint & other specialty systems
Problem
A heritage building contained an open stair and open lift shaft which travels through multiple tenancies. The stairs and the lift were also adjacent to a path of egress from the bar. There were little to none fire safety measures in the building before the refurbishment. In addition, the Heritage Council required a solution that provided an acceptable aesthetic finish suitable for the building.

Solution
A combination of glass and a Fiberseal smoke containment screen were installed to protect the stair and the lift.

Design Considerations
As there were no mechanical services originally installed to extract smoke or provide pressurisation, it was much more cost effective to install a smoke containment screen to ensure that tenable conditions were maintained in the path of egress from the bar. Fiberseal smoke containment screens have been tested in accordance with AS/NZS1530.7 for measured leakage data at various temperatures and pressures enabling the Fire Safety Engineer to input reliable data into the fire scenario models and be confident with the result.

Client
Sydney Harbour Foreshore Authority

Fire Safety Engineer
Defire Pty Ltd

Note: Each project is unique and usually requires the involvement of a Fire Safety Engineer. Please contact us to discuss the suitability of this solution for your project.