



# CROWNE JEWEL

IMPRESSIVE NEW CONSTRUCTION OF THE CROWNE PLAZA ADELAIDE HOTEL SEES T.C. ALUMINIUM USE ELEVATE™ ALUMINIUM SYSTEMS TO OPEN UP THE CITY VIEWS



Right in the heart of Adelaide's CBD, the Crowne Plaza Adelaide hotel is a landmark presence in the City of Churches.

Construction of the \$150-million luxury residential apartment complex consisted of two towers: the 15-level, 308-room Crowne Plaza Hotel, and a 14-level luxury residential apartment tower, known as '20 Hindmarsh Square'.

The hotel tower includes a lavish lobby, premium conference and meeting facilities, a business centre, ground floor restaurant, bar and lounge. The residential tower, awarded 'Best Residential Development' at the Master Builders SA 2010 Excellence Awards, includes one and two bedroom luxurious residential apartments with stunning views of Hindmarsh Square, the city and Adelaide Hills. Both towers enjoy access to a resort-style fitness facility: gymnasium, pool, spa and sauna.

The large glazing contract for this impressive project was won by Adelaide based AWS fabricator, T.C. Aluminium. Experienced in working on elevated glazing projects, T.C. Aluminium was well-equipped to handle the project and its demanding requirements. Construction deadlines were tight, and T.C. Aluminium recognised the need to have ready access to glazing systems which would be supplied on time and as required, to enable them to meet the project's rigorous demands. Their long-standing relationship with Architectural Window Systems (AWS) gave the Builder, Boulderstone, confidence in T.C. Aluminium's ability to supply and install within their time frames, and to utilise all their on-site manpower to achieve the desired result.



*Series 411 ViewMASTER™ Bi-Fold Door (top hung)*

- Series 411 Bi-fold door (top hung) has been designed to accept the 50mm thick heavy duty Series 50 and 52 doors.
- Can be manufactured with compliant panels up to 3000mm high.
- Bi-fold doors are hung on Centor™ twin stainless steel bearing rollers running in heavy duty dual overhead tracks.
- The standard E2 rollers will carry door panels up to 40kg.
- Heavy duty E3 will carry door panels up to 80kg.
- The Surelock™ adjustment on the pivots and carriers allow all panels to be lifted or lowered easily with a flat screwdriver. Doors can be adjusted vertically up to 5mm plus or minus.
- Successfully tested to resist 450Pa water and suitable for air conditioned buildings when a weather resisting sill is used

The project architects, Pruszinski, designed the building to incorporate very wide openings. Broad opening spans create a welcoming sense of connection with the bustling city surrounds and views, but they also present challenges from a glazing perspective, as they require systems capable of spanning large distances and supporting high loads. Elevate™ Aluminium Systems are designed to deliver excellent strength and functionality. In particular, the Series 411 Bi-fold is top-hung to ensure smooth operation with heavy glazing over substantial spans. Similarly, the Series 702 SlideMASTER™ doors used throughout the accommodation areas

of the building are capable of achieving large panel sizes even when subject to the high wind-load pressures you would expect in elevated applications.

The 15th floor boasts a beautifully-appointed Conference Centre featuring five meeting rooms for up to 400 guests. Architects specified the Elevate™ Series 411 Bifold Door for installation in the conference room facilities, for ease of operation and to expand the room to the balcony, thereby maximising the views. As a result of the bifold system, and through the use of a 10 leaf, 6+4 system, T.C. Aluminium was able to exceed all required ratings for the 15th-storey application.



**T.C.  
ALUMINIUM**

T.C. Aluminium are leading manufacturers of contemporary architectural windows and doors. The T.C. Aluminium team will provide you with technical advice, design expertise and quality workmanship to ensure the highest quality products for your project.



**NEED MORE INFORMATION?**

For the latest technical information regarding Series 411 Architectural Series or other Elevate™ Aluminium Systems visit our website: [www.elevatealuminium.com.au](http://www.elevatealuminium.com.au)



**2D & 3D CAD FILES AVAILABLE**

Download the Series 411 Architectural Series CAD & Revit 3D files to use in your projects from our website: [specifyaws.com.au](http://specifyaws.com.au)



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