



# Form 15—Compliance certificate for building design or specification

**NOTE:** This is to be used for the purposes of section 10 of the *Building Act 1975* and/or section 46 of the *Building Regulation 2006*.

**RESTRICTION:** A building certifier (class B) can only give a compliance certificate about whether building work complies with the BCA or a provision of the Queensland Development Code (QDC). A building certifier (Class B) can not give a certificate regarding QDC boundary clearance and site cover provisions.

## 1. Property description

This section need only be completed if details of street address and property description are applicable.

E.g. in the case of (standard/generic) pool design/shell manufacture and/or patio and carport systems this section may not be applicable.

The description must identify all land the subject of the application.

The lot and plan details (e.g. SP/RP) are shown on title documents or a rates notice.

If the plan is not registered by title, provide previous lot and plan details.

**Street address** (include no., street, suburb/locality and postcode)

<b>Postcode</b>

**Lot and plan details** (attach list if necessary)

--

**In which local government area is the land situated?**

--

## 2. Description of component/s certified

Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams.

**B & D SERIES 2 AND SERIES 3 ROLLER DOORS (0.4mm & 0.5mm BMT) WITH WINDCLIPS AT EVERY FLAT (5.1m HIGH) FOR USE IN WIND PRESSURE MAGNITUDES OF UP TO AND INCLUDING C2 AND C3 WIND CLASSIFICATIONS. THE MAXIMUM ALLOWABLE SPAN LIMITS OF EACH CURTAIN TYPE, THICKNESS AND CORRESPONDING WIND CLASSIFICATION IS AS STIPULATED BELOW ON THIS CERTIFICATE**

## 3. Basis of certification

Detail the basis for giving the certificate and the extent to which tests, specifications, rules, standards, codes of practice and other publications, were relied upon.

***Design in accordance with the following SAA codes, drawings, reports, specifications and theory***

- Test report no. TS1067 Revision A and addendum to report no. TS1067 Revision A from the Cyclone Testing Station - School of Engineering and Physical Sciences at James Cook University
- In - house testing conducted on the 19<sup>th</sup> July 2017
- Principles of Mechanics
- AS/NZS 1170.2:2011 Structural design actions Part 2: Wind actions
- AS 4100:1998 Steel structures
- AS/NZS 1170.0:2002 Structural design actions Part 0: General principles
- AS/NZS 1170.1 Structural design actions Part 1: Permanent imposed and other actions
- AS/NZS 4600: 2005 Cold-formed steel structures
- AS1720.1:2010 Timber structures Part 1: Design methods
- AS/NZS 1664.1:1997 Aluminium structures Part 1: Limit state design
- AS 3700:2001 Masonry structures
- AS 3600:2009 Concrete structures
- AS/NZS 4505:2012 Garage doors and other large access doors

- Ramset - Specifiers Resource Book
- Buildex Fasteners - Technical specifications
- Engineering drawing numbers 2289/S01N, 2289/S02N, 2289/S03N, 2289/S04N, 2289/S05N, 2289/S06N, 2289/S07N, 2289/S08N and 2289/S09N (attached)

**Limitations**

- For use in wind pressure magnitudes of up to and including wind classifications C2 and C3 with wind clips at every flat and within the following maximum allowable span limits:-

**C2 WIND CLASSIFICATION**

- SERIES 2 TYPE WITH A 0.5mm BMT CURTAIN THICKNESS WILL SPAN 5.5m
- SERIES 2 TYPE WITH A 0.4mm BMT CURTAIN THICKNESS WILL SPAN 4.9m
- SERIES 3 TYPE WITH A 0.5mm BMT CURTAIN THICKNESS WILL SPAN 5.2m
- SERIES 3 TYPE WITH A 0.4mm BMT CURTAIN THICKNESS WILL SPAN 4.8m

**C3 WIND CLASSIFICATION**

- SERIES 2 TYPE WITH A 0.5mm BMT CURTAIN THICKNESS WILL SPAN 3.0m
- SERIES 3 TYPE WITH A 0.5mm BMT CURTAIN THICKNESS WILL SPAN 3.0m
- N/A FOR THE SERIES 2 TYPE WITH A 0.4mm BMT CURTAIN THICKNESS
- N/A FOR THE SERIES 3 TYPE WITH A 0.4mm BMT CURTAIN THICKNESS

- The Series 2 and Series 3 doors are rated up to an ultimate design wind pressure rating as given in figures A1, B1, C1 or D1 on engineering drawings as appropriate for the relevant spans considered.
- This certificate relates to the structural adequacy of the B & D Series 2 and Series 3 roller doors with wind-clips only. The structure to which the door is attached shall be assessed and certified independently as required by a suitably qualified engineer.
- The building design engineer is to ensure that the site specific design wind loadings do not exceed the ultimate design wind pressure ratings given in figures A1, B1, C1 or D1 on engineering drawings as appropriate for the relevant spans considered.
- Alternative design parameters to what are specified on engineering drawings along with alternative site specific local pressure factors may be adopted provided the calculated resultant site specific ultimate design wind pressures do not exceed the ultimate design wind pressure ratings given in figures A1, B1, C1 or D1 on engineering drawings as appropriate.
- Doors may be positioned at any location along the building envelope including all local pressure zones (i.e. corners of buildings) provided the calculated resultant site specific ultimate design wind pressures do not exceed the ultimate design wind pressure ratings given in figures A1, B1, C1 or D1 on engineering drawings as appropriate.

**4. Reference documentation**

Clearly identify any relevant documentation, e.g. numbered structural engineering plans.

Engineering drawing numbers 2289/S01N, 2289/S02N, 2289/S03N, 2289/S04N, 2289/S05N, 2289/S06N, 2289/S07N, 2289/S08N and 2289/S09N by James Ellis & Associates Pty Ltd (attached)

LOCAL GOVERNMENT USE ONLY

Date received		Reference Number/s	
---------------	--	--------------------	--

<b>5. Building certifier reference number</b>	<b>Building certifier reference number</b> <input type="text"/>	
<b>6. Competent person details</b> A competent person for building work, means a person who is assessed by the building certifier for the work as competent to practice in an aspect of the building and specification design, of the building work because of the individual's skill, experience and qualifications in the aspect. The competent person must also be registered or licensed under a law applying in the State to practice the aspect.  If no relevant law requires the individual to be licensed or registered to be able to give the help, the certifier must assess the individual as having appropriate experience, qualifications or skills to be able to give the help.  If the chief executive issues any guidelines for assessing a competent person, the building certifier must use the guidelines when assessing the person.	<b>Name (in full)</b> <input type="text" value="James Ellis"/> <b>Company name (if applicable)</b> <input type="text" value="James Ellis &amp; Associates Pty Ltd"/> <b>Contact person</b> <input type="text" value="James Ellis"/> <b>Phone no. (business hours)</b> <input type="text" value="(02) 8764 1035"/> <b>Mobile no.</b> <input type="text" value="0405 149 834"/> <b>Fax no.</b> <input type="text"/> <b>Email address</b> <input type="text" value="james@jamesellisengineers.com.au"/> <b>Postal address</b> <input type="text" value="PO Box 56 Hurlstone Park NSW"/> <div style="text-align: right;"><input type="text" value="Postcode 2193"/></div> <b>Licence or registration number (if applicable)</b> <input type="text" value="RPEQ No. : 11921"/>	
<b>7. Signature of competent person</b> This certificate must be signed by the individual assessed by the building certifier as competent.	<b>Signature</b> <input type="text" value="James Ellis BE(Struct)"/>  <b>Date</b> <input type="text" value="19&lt;sup&gt;th&lt;/sup&gt; October 2017"/>	

The *Building Act 1975* is administered by the Department of Housing and Public Works