



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)

Postcode

Lot and plan details (attach list if necessary)

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In which local government area is the land situated?

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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 ROLL-A-SHUTTERS WITH WIND CLIPS FOR USE IN WIND REGION C, TERRAIN CATEGORY 2 AND UP TO A MAXIMUM ALLOWABLE OPENING WIDTH (L) AND ULTIMATE WIND PRESSURE RATING AS STIPULATED ON ENGINEERING DRAWINGS

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.'s TS914 and TS1001 from the Cyclone Testing Station - School of Engineering and Physical Sciences at James Cook University
- Experiments conducted on the 9th April 2013, 2nd May 2013, 6th May 2013 and 16th October 2014
- 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
- AS 3600:2009 Concrete Structures
- AS 3700:2001 Masonry structures
- AS/NZS 4505:2012 Garage doors and other large access doors
- Ramset - Specifiers Resource Book
- Engineering drawing numbers 2288/S01H, 2288/S02H, 2288/S03H, 2288/S04H, 2288/S05H and 2288/S06H (attached)

Limitations

- For use in wind region C, terrain category 2 and up to a maximum allowable opening width (L) and ultimate wind pressure rating as stipulated on engineering drawings.
- This certificate relates to the structural adequacy of the B & D Roll-A-Shutter door 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 subject doors are rated up to a maximum allowable opening width (L) and ultimate wind pressure rating as stipulated on engineering drawings.
- The building design engineer is to ensure that the site specific design wind loadings do not exceed the ultimate design wind pressure ratings given on engineering drawings for any given span.
- Alternative design parameters to what are specified on engineering drawings along with alternative site specific local pressure factors may be adopted provided the calculated ultimate design wind pressures do not exceed the values given on engineering drawings.
- Doors may be positioned at any location along the building envelope including all local pressure zones (i.e. corners of buildings) provided the calculated ultimate design wind pressures do not exceed the values given on engineering drawings.

4. Reference documentation

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

Engineering drawing numbers 2288/S01H, 2288/S02H, 2288/S03H, 2288/S04H, 2288/S05H and 2288/S06H by James Ellis & Associates Pty Ltd (attached)

LOCAL GOVERNMENT USE ONLY

Date received		Reference Number/s
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5. Building certifier reference number	Building certifier reference number <input type="text"/>		
6. Competent person details 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.	Name (in full) <input type="text" value="James Ellis"/> Company name (if applicable) <input type="text" value="James Ellis & Associates Pty Ltd"/> Contact person <input type="text" value="James Ellis"/> Phone no. (business hours) <input type="text" value="(02) 8764 1035"/> Mobile no. <input type="text" value="0405 149 834"/> Fax no. <input type="text"/> Email address <input type="text" value="james@jamesellisengineers.com.au"/> Postal address <input type="text" value="PO Box 56 Hurlstone Park NSW"/> <hr style="border-top: 1px dashed black;"/> <input type="text" value="Postcode 2193"/> Licence or registration number (if applicable) <input type="text" value="RPEQ No. : 11921"/>		
7. Signature of competent person This certificate must be signed by the individual assessed by the building certifier as competent.	Signature <input type="text" value="James Ellis BE(Struct)"/> 		Date <input type="text" value="31<sup>st</sup> July 2017"/>

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