# Form 15—Compliance Certificate for building Design or Specification

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| **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.***<br><br>**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 QDC. A building certifier (Class B) can not give a certificate regarding QDC boundary clearance and site cover provisions.** |
| **1. Property description**<br>**This section need only be completed if details of street address and property description are applicable. EG. In the case of (standard/generic) pool design/shell manufacture and/or patio and carport systems this section may not be applicable.**<br><br>The description must identify all land the subject of the application.<br>The lot & plan details (eg. SP / RP) are shown on title documents or a rates notice.<br>If the plan is not registered by title, provide previous lot and plan details. | Street address *(include no., street, suburb / locality & postcode)*<br><br>Postcode<br><br>Lot & plan details *(attach list if necessary)*<br><br>In which local government area is the land situated? |
| **2. Description of component/s certified**<br>Clearly describe the extent of work covered by this certificate, e.g. all structural aspects of the steel roof beams. | **B & D WINDPANEL™ REINFORCED SECTIONAL DOOR WITH VERTICAL BRACES AND TRACKLOCK – 2.64m HIGH X 6.15m WIDE MAXIMUM FOR USE IN WIND REGION CLASS C2 THE MAXIMUM ULTIMATE WIND PRESSURE RATING MAGNITUDES FOR WIND REGION CLASS C2 ARE AS STIPULATED IN TABLE 5.2 OF AS/NZS 4505:2012** |
| **3. Basis of certification**<br>Detail the basis for giving the certificate and the extent to which tests, specifications, rules,<br>standards, codes of practice and other publications, were relied upon. | ***Design in accordance with the following SAA codes, drawings, reports, specifications and theory***<br><br>➢ **Test report no.'s TS917 and TS811 (Revision A) from the Cyclone Testing Station – School of Engineering and Physical Sciences at James Cook University**<br>➢ **Principles of Mechanics**<br>➢ **AS/NZS 1170.2:2011 Structural design actions Part 2: Wind actions**<br>➢ **AS 4100:1998 Steel structures**<br>➢ **AS/NZS 1170.0:2002 Structural design actions Part 0: General principles**<br>➢ **AS/NZS 1170.1 Structural design actions Part 1: Permanent imposed and other actions**<br>➢ **AS/NZS 4600: 2005 Cold-formed steel structures**<br>➢ **AS1720.1:2010 Timber structures Part 1: Design methods**<br>➢ **AS/NZS 1664.1:1997 Aluminium structures Part 1: Limit state design**<br>➢ **AS/NZS 4505:2012 Garage doors and other large access doors**<br>➢ **AS 3700:2011 Masonry Structures**<br>➢ **AS 3600:2009 Concrete Structures**<br>➢ **Ramset – Specifiers Resource Book**<br>➢ **Buildex Fasteners – Technical specifications**<br>➢ **Engineering drawing numbers 2191/S01J, 2191/S02J, 2191/S03J and 2191/S04J (attached)** |

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| | ***Limitations***<br><br>➢ **For use in wind region Class C2 and up to a maximum ultimate wind pressure rating as stipulated in Table 5.2 of AS/NZS 4505:2012 (refer also to design criteria on engineering drawings attached)**<br>➢ **The use of configurations RC1 – RC3 (as appropriate) only, apply to this certificate.**<br>➢ **This certificate relates to the structural adequacy of the B & D Windpanel™ reinforced sectional door with vertical braces and tracklock only. The structure to which the door is attached including lintel heads, ceiling wind beams and support abutments shall be assessed and certified independently as required by a suitably qualified engineer.**<br>➢ **The subject doors are rated up to the relevant ultimate design wind pressures as stipulated in the design criteria of the attached engineering drawings.**<br>➢ **The building certifier or project engineer is to ensure that the site specific ultimate design wind pressures do not exceed the ultimate design wind pressure ratings given on engineering drawings.**<br>➢ **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 pressure ratings given on engineering drawings.**<br>➢ **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 pressure ratings given on engineering drawings.** |
| **4. Reference documentation**<br>Clearly identify any relevant documentation, e.g. numbered structural engineering plans. | **Engineering drawing numbers 2191/S01J, 2191/S02J, 2191/S03J and 2191/S04J 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 |
| **6. Competent person details**<br>A competent person for building work, means a person who is assessed by the building certifier for the work as competent to practise 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.<br><br>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.<br><br>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*)<br>**James Ellis**<br>Company name (*if applicable*): **James Ellis & Associates Pty Ltd**<br>Contact person: **James Ellis**<br>Phone no. *business hours*: **(02) 8764 1035**<br>Mobile no.: **0405 149 834**<br>Fax no.:<br>Email address: **james@jamesellisengineers.com.au**<br>Postal address: **PO Box 56 Hurlstone Park NSW** Postcode 2193<br>Licence or registration number (*if applicable*): **RPEQ No. : 11921** |
| **7. Signature of competent person**<br>This certificate must be signed by the individual assessed by the building certifier as competent. | Signature: **James Ellis BE(Struct)**<br>Date: **23rd May 2016** |