

This form is the approved form that must be used in accordance with section 10 of the *Building Act 1975* and sections 73 and 77 of the Building Regulation 2021 (Design-specification certificate) stating that an aspect of building work or specification will, if installed or carried out as stated in this form, comply with the building assessment provisions.

Additional explanatory information is included in the Appendix at the end of this form.

### 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.

Where 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			
		Suburb/locality	
State	QLD	Postcode	
Lot and plan details ( <i>attach list if necessary</i> )			
Local government area the land is situated in			

### 2. Description of aspect/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 1 NON-CYCLONIC WIND RATED ROLLING DOOR – 3.0m HIGH X 3.15m WIDE MAXIMUM FOR USE IN WIND REGIONS A0-A5, B1 AND IN TERRAIN CATEGORIES 2, 2.5 AND 3 AND UP TO A MAXIMUM ULTIMATE DESIGN WIND PRESSURE RATING AS GIVEN ON DRAWING 2511/SO1D**

### 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***

- Experiments conducted on the 16<sup>th</sup>, 17<sup>th</sup>, and 19<sup>th</sup> February 2021 as well as the 5<sup>th</sup>, 8<sup>th</sup> and 17<sup>th</sup> March 2021 as documented in reports 2511-2021-Rep1 and 2511-2021-Rep2
- Principles of Mechanics
- AS/NZS 1170.2:2021 Structural design actions Part 2: Wind actions
- AS 4100:2020 Steel structures
- AS/NZS 1170.0:2002 Structural design actions Part 0: General principles
- AS/NZS 1170.1:2002 Structural design actions Part 1: Permanent imposed and other actions
- AS/NZS 4600: 2018 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 3700:2018 Masonry structures
- AS/NZS 4505:2012 Garage doors and other large access doors

- AS 3600:2018 Concrete structures
- AS 4055:2021 Wind loads for housing
- Ramset – Specifiers Resource Book
- Buildex Fasteners – Technical specifications
- Engineering drawing numbers 2511/S01D, 2511/S02D, 2511/S03D, 2511/S04D, 2511/S05D and 2511/S06D (attached)

**Limitations**

- The subject doors are rated up to an ultimate design wind pressure rating as stipulated on engineering drawings for a maximum curtain width of 3150mm and a maximum door height of 3000mm.
- The number and location of curtain wind clips is to comply with Table E on drawing 2511/S01D.
- This certificate relates to the structural adequacy of the B & D Series 1 non-cyclonic wind rated rolling doors only. The structure to which the door guides are attached shall be designed and certified independently as required by a suitably qualified structural engineer.
- The building design structural engineer is to ensure that the site-specific design wind loadings do not exceed the ultimate design wind pressure ratings provided in the design criteria of the drawing notes.
- Alternative design parameters to what are nominated 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 rated values provided in the design criteria of the drawing notes.
- Doors may be positioned at any location along the building envelope including all local pressure zones (i.e. corners of buildings) provided the site-specific ultimate design wind pressures do not exceed the values provided in the design criteria of the drawing notes.
- The building design structural engineer is to ensure that the structural lintel over the door opening can also laterally support the relevant ultimate design wind pressure ratings given in the design criteria of the drawing notes.

**4. Reference documentation**

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

**Engineering drawing numbers 2511/S01D, 2511/S02D, 2511/S03D, 2511/S04D, 2511/S05D and 2511/S06D by James Ellis & Associates Pty Ltd (attached)**

**5. Building certifier reference number and building development approval number**

Building certifier reference number	Building development application number (if available)
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**6. Appointed competent person details**

Under Part 6 of the Building Regulation 2021 a person must be assessed as a competent for the type of work (design-specification) by the relevant building certifier.

Name (in full)	James Christopher Ellis		
Company name (if applicable)	James Ellis & Associates Pty Ltd		
Contact person	James Ellis		
Business phone number	(02) 8764 1035	Mobile	0405 149 834
Email address	james@jamesellisengineers.com.au		
Postal address	PO BOX 251		
	Suburb/locality	PADSTOW	
State	NSW	Postcode	2211

Licence class or registration type (if applicable)	<b>Registered Professional Engineer of Queensland registered in the areas of Civil and Structural</b>
Licence or registration number (if applicable)	<b>RPEQ No. 11921</b>

## 7. Signature of appointed competent person

This certificate must be signed by the individual assessed and appointed by the building certifier as competent to give design-specification help.

Signature		Date	<b>24/04/2023</b>
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## LOCAL GOVERNMENT USE ONLY

Date received	Click or tap to enter a date.	Reference number/s	
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### Appendix – explanatory information

**IMPORTANT NOTE:** It is an offence for a competent person to give a building certifier a document, including this form, that the person knows or reasonably suspects, is false or misleading.

**Who can complete this certificate?** (section 10 of the *Building Act 1975* (Building Act) and 73 and 77 of the Building Regulation 2021 (BR 2021).

A building certifier can accept from a competent person (design-specification) a certificate stating that the competent person has assessed the building design or specification for the aspect of building work, and it will, if installed or carried out under the certificate, comply with the building assessment provisions, including any relevant standards and codes.

Schedule 10 of the BR 2021 defines *building design or specification* as any material, system, method of building or other thing related to the design of or specifications for building work.

When completing the certificate, a competent person is required under section 77 of the BR 2021 to include the basis for giving the certificate and state the extent to which the competent person has relied on tests, specifications, rules, standards, codes of practice or other publications.

**What is the purpose of this form?** (section 10 of the Building Act and sections 73 and 77 of the BR2 2021)

The information in this form informs the building certifier's decision making when they are assessing a building development application, issuing the building development approval for the building work the subject of the certificate (form) and when amending the building development approval due to the receipt of updated aspect information such as glazing or truss specifications or revised excavation drawings.

**Can a manufacturer or supplier give this Form 15?**

A building certifier can accept this form from a manufacturer or supplier who the certifier has decided is a competent person (design-specification).

A manufacturer or supplier of building materials can give this form if they have undertaken the design component for the product. For example a window manufacturer who designs, constructs and supplies the windows to industry could give this form.

**Competent person** (section 10 of the *Building Act 1975* and Part 6 of the BR 2021)

A building certifier must assess and decide to appoint an individual as a competent person before they can accept design-specification help.

When deciding whether a person can be a competent person, the building certifier must assess the person having regard to their experience, qualifications and skills and ensure the person holds a licence or registration if required.

The building certifier is required to keep detailed records about what was considered when appointing a competent person.

For further information about assessment of someone as a competent person refer to the **Guideline for the assessment of competent persons**.

**What is required if a manufacturer or supplier did not do the design work for the product?**

A manufacturer or supplier who is not part of the design process may give the construction contractor, builder, competent person or the building certifier evidence of suitability such as a product technical statement under Part A5 of the Building Code of Australia (BCA), for an aspect or material stating that it is compliant with the relevant reference documents in the BCA i.e. the applicable Australian Standard/s.

**What if there is not enough space for all the supporting material/documents?**

Items 2, 3 and 4 requires the competent person to clearly identify the extent of the assessment that was undertaken for aspect/s of work identified in this form.

For instance, there is provision for material such as specifications, standards, codes or other relevant publications to be referenced in the form. However, if the space in the form is not sufficient to accommodate all of this material, you can create and refer to additional material in an addendum or attachment to the form.

The form is the Microsoft Word version, that you can download and edited to include additional material in the relevant parts of the form. **Note:** that editing the form in the Microsoft Word version may cause the relevant boxes to expand and increase the length of the document. This is acceptable and does not change the approved form, provided the section text (description on the left-hand side of the page) is not altered.

### **Appointed competent person (design-specification) – (sections 34 and 36 of the BR 2021)**

A building certifier must assess and decide to appoint an individual as a competent person before they can, as a competent person, give design-specification help. The building certifier is required to keep detailed records about what was considered when appointing a competent person.

A building certifier must be satisfied that an individual is competent to give the type of help having regard to the individual's experience, qualifications and skills and if required by law to hold a licence or registration, that the individual is appropriately registered or licensed.

An individual is appointed as competent to give design-specification help on or from a particular day.

For further information about assessment of someone as a competent person refer to the **Guideline for the assessment of competent persons**.

### **PRIVACY NOTICE**

The Department of Energy and Public Works is collecting personal information as required under the *Building Act 1975*. This information may be stored by the Department, and will be used for administration, compliance, statistical research and evaluation of building laws. Your personal information will be disclosed to other government agencies, local government authorities and third parties for purposes relating to administering and monitoring compliance with the *Building Act 1975*. Personal information will otherwise only be disclosed to third parties with your consent or unless authorised or required by law.