

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 STORM SHIELD HIGH WIND SECTIONAL DOOR – 3.415m HIGH X 5.5m WIDE MAXIMUM FOR USE IN SITE WIND CLASSIFICATION C2.

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.1026 Revision A from the Cyclone Testing Station – School of Engineering and Physical Sciences at James Cook University
- Principles of Mechanics
- The maximum ultimate wind pressure rating magnitudes for site wind classification C2 have been based on values given in Table 5.2 of AS/NZS 4505:2012
- AS/NZS 1170.2:2021 Structural design actions Part 2: Wind actions
- AS 4100:2022 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 4505:2012 Garage doors and other large access doors

- AS 4055:2021 Wind loads for housing
- AS 3700:2018 Masonry Structures
- AS 3600:2018 Concrete structures
- Ramset – Specifiers Resource Book
- Buildex Fasteners – Technical specifications
- Engineering drawing numbers 2422/S01F, 2422/S02F and 2422/S03F (attached)

Limitations

- For use in site wind classification 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)
- This certificate relates to the structural adequacy of the B & D Storm shield high wind sectional door only. The structure to which the door is attached shall be assessed and certified independently as required by a suitably qualified structural engineer.
- The subject doors are rated up to the relevant ultimate design wind pressures as stipulated in the design criteria of the attached engineering drawings.
- The building design structural engineer is to ensure that the site-specific ultimate design wind loadings do not exceed the ultimate design wind pressure ratings given on engineering drawings.
- 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 loadings do not exceed the ultimate design wind pressure ratings 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 site specific ultimate design wind loadings do not exceed the ultimate design wind pressure ratings given on engineering drawings.

4. Reference documentation

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

Engineering drawing numbers 2422/S01F, 2422/S02F and 2422/S03F 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) | |
|-------------------------------------|--|--|--|

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) | Registered Professional Engineer of Queensland (Civil and Structural) | | |

Licence or registration number
(if applicable)

RPEQ No. 11921

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 **4/04/2023**

LOCAL GOVERNMENT USE ONLY

Date received

Click or tap to enter a date.

Reference number/s

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.