

QBCC has reviewed and obtained general technical advice in regards to this matter to which the Licensing Manager has advised **this work should be undertaken by a Builder who holds the relevant class of licence**, as carrying out building work that requires engineered systems to rectify structural issues is not within the scope of any particular trade contractor class of licence.

The information considered in regards to this advice is:

- The design of building works involving the use of carbon strengthening is no different to designing reinforcement for a building, it has to be done in Queensland by a Registered Professional Engineer of Queensland (RPEQ).
- A Form 15 Design Certificate would be required from same designing engineer who would then have to issue Form 16 Installation Certificate to evidence satisfaction with the completed building works.
- The issuing engineer needs to gather sufficient information considered appropriate before issuing a Form 16 certificate so same engineer can dictate what and how many inspections are necessary for same engineer to satisfy themselves that the works are in accordance with the design. Generally such work would be valued at more than \$3,300 so captured as building work.
- It is worth noting that the use of carbon fire strengthening is predominately used to repair /remediate existing building work. A common method is to essentially glue using specialised products onto the exterior surfaces of concrete elements to improve the strength, load carrying capacity of an element after the initial building work i.e. the concreting / building is completed or the trade work is completed and a problem identified.
- Carbon fibre strengthening is not poured integrally with a reinforced concrete element during construction so **its installation is quite specialised and viewed as over and above of that of the skill set of a trade contractor** steel fixer/ concreter, and as such work is outside the remit of a trade contractor and is not detailed in the prescribed scopes of work of any contractor class of licence and therefore **such works needs to be completed by a builder with the appropriate licence class of the structure being worked upon.**

You may wish to obtain you own independent legal advice which addresses your specific circumstances.

#### Disclaimer

The information contained in this document is not intended to replace or add to the existing law as stated in the QBCC Act or other legislation. Further, while every effort has been made to ensure that the information in this document is correct, in the event of any inconsistency between this document and the QBCC Act or other legislation, the later prevails. The information in this document is not legal advice.

Regards

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A horizontal banner with a light blue background and rounded corners. On the left side, the text 'Working for Queensland survey' is displayed in a blue, sans-serif font, with 'survey' in a smaller, italicized font. A vertical white line separates this from the right side, which contains the dates '1-21 Sep 2020' in a bold, black, sans-serif font, followed by the slogan 'Everyone has a role to play, make your opinion count!' in a smaller, black, sans-serif font.

*Queensland Building and Construction Commission acknowledges the Traditional Owners of the land, and pays respect to Elders past, present and future.*