

7<sup>th</sup> October 2022

**RE: PRYDA FRAME FIX**

I, Adam Dawson, being a Chartered Professional Engineer, hereby certify that the use of Pryda Frame Fix to reinstate the stiffness of wall plates containing services penetrations has been designed and recommended in accordance with soundly based and widely accepted engineering principles. Pryda Frame Fix is suitable for wall plates that meet the following conditions:

- Pryda Frame Fix is suitable for Residential light timber frame dwellings designed in accordance with AS1684
- Pryda Frame Fix can be used to provide structural support to 90x35 and 90x45 MGP10 single or double top plates for a centrally located hole of max 52mm diameter
- Pryda Frame Fix is suitable for use on 90mm wide frames ONLY
- Only one Frame Fix is to be installed between a set of studs – multiple penetrations are not permitted
- Any further penetrations should skip at least one bay of studs from the existing location
- There should be no large point loads (e.g., from girder trusses, floor beams, etc.) in the top plate sections containing Pryda Frame Fix
- Pryda Frame Fix must not be modified in any way, shape or form under any circumstances or conditions.

If Frame Fix is installed in accordance with these conditions and the installation instructions in the Product Data Sheet, the top plates in the section that the Frame Fix is installed can be considered structurally adequate if the top plates were originally designed in accordance with AS1720.3 or AS1684 span tables.

The Z275 galvanised coating on the Pryda Frame Fix provides adequate corrosion protection for use in any environment on timber frames that are within a closed building envelope. It is assumed that the roof and wall frames remain dry in service without being subjected to airborne salts or rain wetting.

Certified by:



**Adam Dawson MIEAust, CPEng, NER, RPEQ, RPEV (21909)**

Technical Manager Pryda ANZ

Engineers Australia Member No. 2766309