

18<sup>th</sup> May 2023

JPA&D Australia Pty Ltd  
Suite C2.09  
22-36 Mountain Street  
ULTIMO NSW 2007

Attn: Jennifer Preston

Dear Jennifer,

**RE: HADLEY PARK, CASTLEREAGH – STRUCTURAL REMEDIATION WORKS  
DEVELOPMENT APPLICATION NUMBER – DA23/907  
STRUCTURAL DESIGN STATEMENT**

The structural design of the above works has been prepared by a Practising Structural Engineer from this office in accordance with normal engineering practice.

The intent of the design is to remediate the major structural deficiencies in the buildings and restore basic safety, without adversely affecting the heritage issues of the buildings.

The structural design is based on requirements of the Section B of the BCA - 2019 and the relevant Australian Standards, as listed below:

- |                    |   |
|--------------------|---|
| • AS 1170.0 – 2002 | Structural Design Actions, General principles                   |
| • AS 1170.1 – 2002 | Structural Design Actions, Permanent, imposed and other actions |
| • AS 1170.2 – 2011 | Structural Design Actions, Wind actions                         |
| • AS 1170.3 – 2003 | Structural Design Actions, Snow and ice actions                 |
| • AS 1170.4 – 2007 | Structural Design Actions, Earthquake actions in Australia      |
| • AS 1720.1 – 2010 | Timber Structures, Design methods                               |
| • AS 1720.3 – 2016 | Timber structures, Design criteria framed residential buildings |
| • AS 3700 – 2018   | Masonry Structures  |
| • AS 4100 – 2020   | Steel Structures  |

This design is detailed on our drawings No 1842-S101 to S109, all revision B.

Yours faithfully  
**ducros design pty ltd**



Mark du Cros  
BE CPEng 60450  
Director