

Our ref: 202010-005

Your ref.:

General Manager
Northern Beaches (Pittwater) Council
PO Box 882
Mona Vale NSW 1660
Australia

CERTIFICATE OF DESIGN – STRUCTURAL ENGINEERING

Address: **54 Whale Beach Rd, Palm Beach, NSW, 2108**

Type of Building Work: **Alterations + Additions**

Subject of this short report: **Certificate of Design**

Pursuant to the provisions of Clause A2.2 of the Building Code of Australia, VDM, hereby certify that the design for the above address is in accordance with normal engineering practice and meets the requirements of the Building Code of Australia, (BCA), relevant Australian Standards and Northern Beaches (NBC) Council DCP (Pittwater 21 DCP). In particular the design is in accordance with the following:

- AS/NZS 1170.0:2002: *Structural design actions – General principles*,
- AS/NZS 1170.1:2002: *Structural design actions – Permanent, imposed and other actions*,
- AS/NZS 1170.1:2002: *Structural design actions – Wind actions*,
- AS 1170.4:2007: *Structural design actions – Earthquake actions in Australia*,
- AS 1684.1:1999: *Residential timber-frame construction Design criteria*,
- AS 1720.1:2010: *Timber structures – Design methods*,
- AS 2870:2011: *Residential slabs and footings – Construction*,
- AS 3600:2009: *Concrete Structures Codes*,
- AS 3700:2001: *Masonry structures*,
- AS 4678:2002: *Earth retaining structures*,
- AS 4100:1998: *Steel structures*,
- AS/NZS 5131:2016: *Structural steelwork – Fabrication and erection*,
- Safe Work Australia – *Safe Design of Structures – Code of Practice*,
- NBC – *Notice of Consent, Pittwater 21 DCP, LEP 2014*
- BCA - Building Code of Australia
- NCC – National Construction Code,
- Principles of structural mechanics.

The structural engineering design will be based on the proposed DA drawings prepared by Blue Sky Building Designs dated 12 / 10 / 2020.

I am an appropriately qualified and competent person in this area and as such can certify that the design and performance of the design systems comply with the above.

This certificate shall not construe as relieving any other party of their responsibilities, liabilities or contractual obligations.

CERTIFICATION

Responsibility for this report is acknowledged as follows:

Name of person signing – Mario F. Benitez,
B.E., CPEng., MIEAust, 418917, MIPENZ 111943

Position –Senior Structural Engineer

Signature

Name of responsible firm for and on behalf of person is signing for – VDM Consulting Engineers Pty. Ltd.