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Opinion regarding whether Dam Buster P/L box gutter overflow devices and ‘Elbow’ device may be considered to be Deemed-To-Satisfy Solutions to the relevant Performance Requirements of NCC-2022

1.0 Introduction

1.1 This document relates to the following previously provided opinions:

Opinion dated 1st October 2020 and titled:

‘Opinion regarding whether Dam Buster P/L box gutter overflow devices may be considered to be Deemed-To-Satisfy Solutions to the relevant Performance Requirements of NCC-2019’

Opinion dated 29th January 2021 and titled:

‘The Dam Buster (DB) Elbow’

These opinions related to NCC-2019 and AS/NZS 3500.3-2018 *Stormwater drainage* code.

1.2 NCC-2022 came into effect on 1 May 2023. NCC-2022 references the current version of *Stormwater drainage* code, AS/NZS 3500.3-2021.

1.3 The purpose of this further review is to assess whether the above noted opinions are also valid in relation to NCC-2022.

2.0 Comparison of NCC-2022 with NCC-2019

- 2.1 NCC-2019 part:
A2.3 Deemed-to-Satisfy Solution states:
(2) A *Deemed-to-Satisfy Solution* can show compliance with the *Deemed-to-Satisfy Provisions* through one or more of the following *Assessment Methods*:
(a) Evidence of suitability in accordance with Part A5 that shows the use of a material, product, *plumbing* and *drainage product*, form of construction or design meets a *Deemed-to-Satisfy Provision*.
(b) *Expert Judgement*
- 2.2 NCC-2022 part:
A2G3 Deemed-to-Satisfy Solution states:
(2) A *Deemed-to-Satisfy Solution* can show compliance with the *Deemed-to-Satisfy Provisions* through one or more of the following *Assessment Methods*:
(a) Evidence of suitability in accordance with Part A5 that shows the use of a material, product, *plumbing* and *drainage product*, form of construction or design meets a *Deemed-to-Satisfy Provision*.
(b) *Expert Judgement*
- 2.3 NCC-2022 part A2G3, clause (2) (a) & (b) are identical to NCC-2019 part A2.3, clause (2) (a) & (b).
- 2.4 I have reviewed and compared the relevant Performance Requirements relating to Roof Drainage for NCC-2022 and find that there are no substantive differences to the Performance requirements in NCC-2019.

3.0 Comparison of AS/NZS 3500.3-2021 with AS/NZS 3500.3-2018

- 3.1 I have reviewed AS/NZS 3500.3-2021 and conclude there are no substantive differences between the 2021 and 2018 versions of AS/NZS 3500.3 in relation to the design of box gutter systems.

4.0 Conclusion

- 4.1 I conclude that the opinions listed in section 1.1 are equally applicable to NCC-2022 as they are to NCC-2019.



Dr. R. J. Keller