NRMCA 100 – 202X SUBCOMMITTEE

ALIGNMENT OF NRMCA 100-2023 WITH ASCE 7-22 GENERAL LOAD CRITERIA

TERMS OF REFERENCE (TOR)

- **Scope**
  The project will cover the content of NRMCA 100-2023, the current edition of the standard. NRMCA 100-2023 was based on PCA 100-2017. Descriptions of the prescriptive design tables that this project is anticipated to address is provided in Table 2. Furthermore, this project will seek to address the interrelationship between using NRMCA 100 and parallel standards such as the International Residential Code (IRC) and the International Code Council (ICC) 600 "Standard for Residential Construction in High Wind Regions".

- **Project Objectives**
  a. Investigate, review and assess the back-end calculations resulting in the development of the NRMCA 100 (previously PCA 100) prescriptive design tables.
  b. Examine the correlation between the NRMCA 100 prescriptive design tables, the IRC and the ICC 600 standards.
  c. Compare the differences between the loads and stresses used in developing the NRMCA 100 prescriptive tables with those of the current ASCE/SEI 7-22 design load criteria.
  d. Develop the methodology for creating an updated NRMCA 100 design prescriptive tables based on existing acceptable design load conditions.
  e. Prepare a technical report with details of the findings, comparative analysis and recommendations for updating the prescriptive design tables in NRMCA 100-2023 for submission to the IRC and ICC 600 standards during current or future review.

Work Activity	Comments	Nominated Lead/Consultant	Support/alternate
Seismic and Wind Load Effect	Align designed load impact with ASCE 7 revised loads	Consultant	Julian Mills-Beale