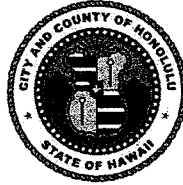


**DEPARTMENT OF PLANNING AND PERMITTING**  
**KA 'OIHANA HO'OLĀLĀ A ME NĀ PALAPALA 'AE**  
**CITY AND COUNTY OF HONOLULU**

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December 20, 2023

The Honorable Calvin Say, Chair  
and Members  
Committee on Zoning  
Honolulu City Council  
530 South King Street, Suite 202  
Honolulu, Hawaii 96813

Dear Chair Say and Councilmembers:

SUBJECT: Bill 65 (2023) – Relating to the Adoption of the State Building Code

The subject bill has been assigned to the Committee on Zoning. Since the bill was introduced to the City Council for first reading, the Department of Planning and Permitting has received additional information and would like to change our proposed amendments. There are three proposed amendments for Bill 65 (2023) as a CD1. Listed below are the three proposed amendments:

1. Definitions: (Amended)

(22) Section 202 – Definitions: Definition (r) is added to amend the State Building Code Definitions of “Wind-borne Debris Region” to read:

(r) **WIND-BORNE DEBRIS REGION.** Areas in Hawai'i where the basic design wind speed is [~~130 mph (63 m/s)] 140 mph (62.59 m/s) or greater. For Risk Category II buildings and structures, the wind-borne debris region shall be based on Figure 26.5-2C. For Risk Category IV buildings, the wind-borne debris region shall be based on Figure 26.5-2D of ASCE 7.~~

2. Tsunami loading: (Amended and Deleted)

- (112) Amending Section 1615. Section 1615 is amended by amending Section 1615.1, and deleting Section 1615.2.

1615.1 General. The design and construction of Risk Category III and IV buildings and structures [~~and high-rise Risk Category II buildings meeting the criteria of Section 1615.2~~], where located in the Tsunami Design Zones defined in the ASCE 7 Tsunami Design Geodatabase (version 2022-1.0), shall be in accordance with Chapter 6 of ASCE 7-22, except as modified by this code.

~~[1615.2 – Criteria for High-Rise Risk Category II Buildings. The inundated portions of the structure of Risk Category II buildings shall comply with Chapter 6 of ASCE 7 only when all of the following conditions exists:~~

- ~~a. The occupancy classifications are B, E, I, R-1, R-2, and~~
- ~~b. Located where the tsunami inundated depth is greater than 3 feet (0.914m) at any location within the intended footprint of the structure, and~~
- ~~c. The mean roof height of the building is 990 feet or greater above grade plane at the site.]~~

3. IRC Chapter 44 (Reference Standards – AISI S230) (Amended)

- (53) Chapter 44 – Reference Standards, Item ACI 318 is amended to read:

ACI 318  
Section 19.3.2.1

Modify ACI 318 Table 19.3.2.1 as follows:  
Change the Maximum w/cm ratio for Exposure Class C1 to 0.50. Concrete with demonstrated equivalent performance is acceptable in lieu of prescriptive mixture proportions for Exposure Class C1 and C2.<sup>[4]</sup>

Exposure Class C1 and C2. Exposure Class C1 and C2 shall apply to any exposed concrete [not less than] within 600 feet from a shoreline [and] when light gauge metal frame is used.

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Exposed concrete is defined as any concrete  
that is not enclosed within a building envelope.

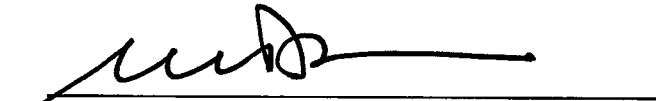
Should there be any questions, please contact me at (808) 768-8000.

Very truly yours,



Dawn Takeuchi Apuna  
Director

APPROVED:



Michael D. Formby  
Managing Director