



HONOLULU CITY COUNCIL
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MEMORANDUM

DATE: January 31, 2024

TO: KIANA PASCUAL
CLERK, COMMITTEE ON ZONING

FROM: Councilmember Calvin Say
Chair, Committee on Zoning

A handwritten signature in black ink, appearing to read "Calvin Say", is written over the printed name.

SUBJECT: **PROPOSED AMENDMENTS TO BILL 65 (2023), RELATING TO THE ADOPTION OF THE HAWAII STATE BUILDING CODE, THE STATE RESIDENTIAL CODE, AND THE STATE EXISTING BUILDING CODE**

Attached for consideration by the Zoning Committee are my proposed amendments to Bill 65 (2023), relating to the adoption of the Hawaii State Building Code, the State Residential Code, and the State Existing Building Code.

Thank you.

Attachment: Amendment Form, Bill 65 (2023)

COUNCIL COM. 16
ZON

**AMENDMENT FORM
Bill 65 (2023)**

Relating to the adoption of the Hawaii State Building Code, the State Residential Code, and the State Existing Building Code

TOTAL PAGES: 2

DATE: January 31, 2024

COUNCILMEMBER: CALVIN SAY

Item No.	Bill SECTION	ROH Section, Exhibit, or Figure, and Title	Code Section	Page No.	Amendment Description	Amendment Text (in Ramseyer Format)	Comments or Clarification
1	SECTION 3	§ 16-1.1 (22)(r) Amending Section 202	Building Code Section 202 DEFINITIONS	15	Add a new item (r) to amend the definition of "wind-borne debris region."	(r) WIND-BORNE DEBRIS REGION. Areas in Hawaii where the basic design wind speed is [130 mph (63 m/s)] <u>140 mph (62.59 m/s)</u> or greater. For Risk Category II buildings and structures, the wind-borne debris region [shall] <u>will</u> be based on Figure 26.5-2C. For Risk Category IV buildings, the wind-borne debris region [shall] <u>will</u> be based on Figure 26.5-2D of ASCE 7.	DPP recommendation. See D-837 (2023).
2	SECTION 3	§ 16-1.1 (43) Amending Chapter 4	Building Code Section 431, 431.1, and 431.2. FENCES	27	Add exemption for barbed or razor wire fences for State-operated airports, harbors, and maintenance yards.	<p>SECTION 431 – FENCES</p> <p>431.1 General. Fences shall be constructed in accordance with this code, the Land Use Ordinance, and ROH Chapter 15, Article 24, [Section] § 15-24.6. In areas where fence height is not regulated under the Land Use Ordinance, Fences over 6 feet (1829 mm) in height [shall be] <u>are</u> subject to the approval of the fire department as to access.</p> <p>431.2 Barbed or razor wire fences. Barbed or razor wire [shall] <u>must</u> not be used for construction of any fence.</p> <p>Exception:</p> <ol style="list-style-type: none"> 1. Barbed or razor wire may be used in fences enclosing the following premises[.]; provided that barbed or razor wire [shall] <u>must</u> be placed along or above the height of six feet from the ground, subject to the approval of the fire department[.]; <ol style="list-style-type: none"> 1.1. Any "public utility" as defined in HRS [Section] § 269.1; 1.2. Premises in industrial zoned districts and used for storage or handling of hazardous materials, and premises zoned I-2 or I-3, intensive or waterfront industrial districts [which] <u>that</u> are used for industrial purposes and are not adjacent to premises used for other purposes; 1.3. Zoos for keeping animals and birds for public view or exhibition; [and] 1.4. Jails, prisons, reformatories, and other institutions[, to include other institutions, which are] involved in law enforcement or military activities, where security against entry is an important factor[.]; <u>and</u> 1.5. <u>State of Hawaii operated airports, harbors, and maintenance yards, where security against unauthorized entry is an important factor.</u> 2. Barbed wire may be used in fences enclosing premises used for pasturing cattle or raising swine. 	See Bill 23 (2023), which proposed amendments to add an exemption for barbed or razor wire fences for State-operated airports, harbors, and maintenance yards.

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3	SECTION 3	§ 16-1.1 (112) Amending Section 1615	Building Code Sections 1615.1 and 1615.2 TSUNAMI LOADING	52-53	Amends Section 1615.1 and deletes Section 1615.2.	<p>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.</p> <p>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 exist:</p> <p>a. The occupancy classifications are B, E, I, R-1, R-2, and</p> <p>b. Located where the tsunami inundated depth is greater than three feet (0.914m) at any location within the intended footprint of the structure, and</p> <p>c. The mean roof height of the building is 90 feet or greater above grade plane at the site.]</p>	DPP recommendation. See D-837 (2023).
4	SECTION 3	§ 16-1.2 (53) Amending Chapter 44 (Reference Standards – AISI S230)	Residential Code ACI 318 Section 19.3.2.1.	98	Amends ACI 318 Section 19.3.2.1.	<p>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.["]</p> <p>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. Exposed concrete is defined as any concrete that is not enclosed within a building envelope.</p>	DPP recommendation. See D-837 (2023).
5						Makes miscellaneous technical and nonsubstantive amendments throughout the bill for purposes of grammar, formatting, consistency, and clarity.	