



STATE OF WASHINGTON
STATE BUILDING CODE COUNCIL

May 2018
Log No. _____

1. State Building Code to be Amended:

- | | |
|---|---|
| <input checked="" type="checkbox"/> International Building Code | <input type="checkbox"/> International Mechanical Code |
| <input type="checkbox"/> ICC ANSI A117.1 Accessibility Code | <input type="checkbox"/> International Fuel Gas Code |
| <input type="checkbox"/> International Existing Building Code | <input type="checkbox"/> NFPA 54 National Fuel Gas Code |
| <input type="checkbox"/> International Residential Code | <input type="checkbox"/> NFPA 58 Liquefied Petroleum Gas Code |
| <input type="checkbox"/> International Fire Code | <input type="checkbox"/> Wildland Urban Interface Code |
| <input type="checkbox"/> Uniform Plumbing Code | |

For the Washington State Energy Code, please see specialized [energy code forms](#)

Section(s):

(e.g.: Section: R403.2) [504.4.1](#)

Title:

(e.g.: Footings for wood foundations) [Stair enclosure pressurization increase.](#)

2. Proponent Name (Specific local government, organization or individual):

Proponent: [Washington Association of Building Officials, Technical Code Development Committee \(Micah Chapell, Quyen Thai, Jon Siu\)](#)

Title: [Technical Code Development Manager](#)

Date: [August 31, 2024](#)

3. Designated Contact Person:

Name: [Richard Williams](#)

Title: [VP, CWA Consultants](#)

Address: [PO Box 219 Manchester, WA 98353](#)

Office Phone: [\(360\) 871.5433](#)

Cell: [\(206\) 793.7130](#)

E-Mail address: richard@cwaconsultants.net

- 4. Proposed Code Amendment.** Reproduce the section to be amended by underlining all added language, striking through all deleted language. Insert new sections in the appropriate place in the code in order to continue the established numbering system of the code. If more than one section is proposed for amendment or more than one page is needed for reproducing the affected section of the code, additional pages may be attached.

Clearly state if the proposal modifies an existing amendment or if a new amendment is needed. If the proposal modifies an **existing amendment**, show the modifications to the existing amendment by underlining all added language and striking through all deleted language. If a new amendment is needed, show the modifications to the **model code** by underlining all added language and striking through all deleted language.

Code(s) 2024 IBC Section(s) 504.4.1

Enforceable code language must be used.

Amend section to read as follows:

504.4.1 Stair enclosure pressurization increase. For Group R-1, R-2, and I-1, Condition 2 Assisted living facilities licensed under chapter 388-78A WAC and residential treatment facilities as licensed by Washington state under chapter 246-337 WAC located in buildings of Type VA construction equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, the maximum number of stories permitted in Section 504.4 may be increased by one provided the interior exit stairways and ramps are pressurized in accordance with Sections 909.6.3 and 909.20. Legally required standby power shall be provided in accordance with Sections 909.11 and 2702.17 for buildings constructed in compliance with this section and be connected to stairway shaft pressurization equipment, elevators and lifts used for accessible means of egress (if provided), elevator hoistway pressurization equipment (if provided) and other life safety equipment as determined by the authority having jurisdiction. For the purposes of this section, legally required standby power shall comply with 2020 NEC Section 701.12, options ~~(C)~~, (D), (E), (F), or (H) ~~or (J)~~ or subsequent revised section number(s).

- 5. Briefly explain your proposed amendment, including the purpose, benefits and problems addressed.** Specifically note any impacts or benefits to business, and specify construction types, industries and services that would be affected. Finally, please note any potential impact on enforcement such as special reporting requirements or additional inspections required.

The 2021 IBC references the 2020 NEC (NFPA 70-20), and Washington State Amendment Section 504.4.1 of the 2021 IBC specifies options C, D E, F, H and J from NEC Section 701.12 as standby power options available to comply with this section. However, the 2024 IBC references the 2023 NEC (NFPA 70-23), and many jurisdictions in the State of Washington currently use this version of the NEC. Section 701.12 of the 2023 NEC has been modified.

Options C and J are no longer available standby power options. Option C has changed from Storage Battery to Supply Duration, which now specifies a minimum duration of system operation. Option J (unit equipment) is no longer listed as an option. It should also be noted that Options E and H have been modified to include additional options. For example, Option E previously referenced uninterruptible power supplies, and now in addition to this option are fuel cell systems, energy storage systems, storage batteries, and other approved equivalent stored energy sources that comply with 701.12. We are proposing to delete the reference to options C and J in order to be consistent with the adopted version of the NEC (NFPA 70-23).

6. Specify what criteria this proposal meets. You may select more than one.

- The amendment is needed to address a critical life/safety need.
- The amendment clarifies the intent or application of the code.
- The amendment is needed to address a specific state policy or statute.
- The amendment is needed for consistency with state or federal regulations.
- The amendment is needed to address a unique character of the state.
- The amendment corrects errors and omissions.

7. Is there an economic impact: Yes No

If no, state reason:

There is no economic impact because this proposal will revise state amendment section 504.4.1 to reference the correct language of the 2023 NEC.

If yes, provide economic impact, costs and benefits as noted below in items a – f.

- a. **Life Cycle Cost.** Use the OFM Life Cycle Cost [Analysis tool](#) to estimate the life cycle cost of the proposal using one or more typical examples. Reference these [Instructions](#); use these [Inputs](#). Webinars on the tool can be found [Here](#) and [Here](#)). If the tool is used, submit a copy of the excel file with your proposal submission. If preferred, you may submit an alternate life cycle cost analysis.

NA

- b. **Construction Cost.** Provide your best estimate of the construction cost (or cost savings) of your code change proposal.

NA

\$Click here to enter text./square foot

(For residential projects, also provide \$Click here to enter text./ dwelling unit)

Show calculations here, and list sources for costs/savings, or attach backup data pages

- c. **Code Enforcement.** List any code enforcement time for additional plan review or inspections that your proposal will require, in hours per permit application:

NA

- d. **Small Business Impact.** Describe economic impacts to small businesses:

NA

- e. **Housing Affordability.** Describe economic impacts on housing affordability:

NA

- f. **Other.** Describe other qualitative cost and benefits to owners, to occupants, to the public, to the environment, and to other stakeholders that have not yet been discussed:

NA

Please send your completed proposal to: sbcc@des.wa.gov

All questions must be answered to be considered complete. Incomplete proposals will not be accepted.