



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): 3103.1, 3102.1
(e.g.: Section: R403.2)

Title: Temporary and Membrane Structure Timeframes
(e.g: Footings for wood foundations)

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

Proponent: Washington Association of Building Officials Technical Code Development Committee
(Micah Chappell, chair; Jonathan Siu, technical consultant)

Title:

Date: 9/10/2024

3. Designated Contact Person:

Name: Jonathan Siu

Title: Technical Consultant

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Cell: same

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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) IBC Section(s) 3103.1, 3102.1

Enforceable code language must be used.

Amend section to read as follows:

3103.1 General. The provisions of Sections 3103.1 through 3103.8 shall apply to *structures* erected for a period of ~~less than~~ 180 days or less. Temporary *special event structures, tents, umbrella structures* and other membrane *structures* erected for a period of less than 180 days shall also comply with the *International Fire Code*. Temporary structures erected for a longer period of time and *public-occupancy temporary structures* shall comply with applicable sections of this code.

Exceptions:

1. *Public-occupancy temporary structures* complying with Section 3103.1.1 shall be permitted to remain in service for more than 180 days ~~or more~~ but not more than 1 year where *approved* by the *building official*.
2. *Public-occupancy temporary structures* within the confines of an *existing structure* are not required to comply with Section 3103.6.

3102.1 General. The provisions of Sections 3102.1 through 3102.8 shall apply to *air-supported, air-inflated, membrane-covered cable, membrane-covered frame and tensile membrane structures*, collectively known as *membrane structures*, erected for a period of longer than 180 days ~~or longer~~. Those erected for a shorter period of time shall comply with the *International Fire Code*. Membrane *structures* covering water storage *facilities*, water clarifiers, water treatment plants, sewage treatment plants, *greenhouses* and similar *facilities* not used for human occupancy are required to meet only the requirements of Sections 3102.3.1 and 3102.7. Membrane *structures* erected on a *building*, balcony, deck or other *structure* for any period of time shall comply with this section.

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.

This amendment aligns the timeframes in the scoping sections for temporary structures and membrane structures with IBC definitions and Section 3103 of the IFC.

As written, the main paragraph of IBC Section 3103.1 conflicts with the timeframe in the definition of temporary structure [highlight added]:

TEMPORARY STRUCTURE. Any building or structure erected for a period of **180 days or less** to support temporary events. Temporary structures include a range of structure types (public-occupancy temporary structures, temporary special event structures, tents, umbrellas and other membrane structures, relocatable buildings, temporary bleachers, etc.) for a range of purposes (storage, equipment protection, dining, workspace, assembly, etc.).

Exception 1 is being revised for consistency with the change to the main paragraph.

The revision to IBC Section 3102.1 will align membrane structure timeframes with IFC Section 3103.4:

[IFC Section] 3103.4 Use period. Temporary *tents*, air-supported, air-inflated or tensioned *membrane structures* shall not be erected for a period of more than 180 days within a 12-month period on a single premises.

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: This amendment only clarifies the application of the code.

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

\$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:
- d. **Small Business Impact.** Describe economic impacts to small businesses:
- e. **Housing Affordability.** Describe economic impacts on housing affordability:

- 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:

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.