



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

BF01-2018
Revised 7/23/18

1. State Building Code to be Amended:

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

Section(s):

Amend the following: 2015 IBC Chapter 31, Special Construction, subsection 3101.1 Scope and adding a new section, 3112, Fixed Guideway Transit and Passenger Rail Systems and amending Chapter 35, Referenced Standards under subsection NFPA.

Title:

Amend 3101.1 Scope. The provisions of this chapter shall govern special building construction including membrane structures, temporary structures, *pedestrian walkways* and tunnels, automatic *vehicular gates, awnings and canopies, marquees, signs, and towers and antennas, and fixed guideway transit and passenger rail systems.*

Add a new section: 3112, Fixed Guideway Transit and Passenger Rail Systems

Add a new subsection: 3112.1 Construction of Fixed Guideway and Passenger Rail Systems shall be in accordance with NFPA 130 Standard for Fixed Guideway Transit and Passenger Rail Systems.

Amend Chapter 35 by adding the following:

Standard reference number: 130

Title: Standard for Fixed Guideway Transit and Passenger Rail Systems

Referenced in code section number: 3101.1, 3112

Amend 2015 IBC, Table 1004.1.2, Maximum Floor Area Allowances Per Occupant Load by adding a footnote to Assembly without fixed seats, Standing space, 5 net¹: the occupant load factor for Fixed Guideway Transit and Passenger Rail Systems shall be 15 net in accordance with NFPA 130.

Amend Chapter 29, Plumbing Systems, by adding a new subsection 2901.3: footnote d under A-3 Occupancies: d. The occupant load for seasonal outdoor seating and entertainment areas shall be included when determining the minimum number of faculties required. For commuter rail systems associated with Fixed Guideway Transit and Passenger Rail Systems. In construction of a Fixed Guideway and Passenger Rail System, subject to proposed sections 3112 and 3112.1, public plumbing fixtures lavatories shall not be required. but only for light rail operators in accordance with NFPA 130.

Section(s):

2015 IFC Part II, General Safety Provisions, General Requirements:

Add a new Section 320, Fixed Guideway Transit and Passenger Rail Systems

Add new subsection: Section 320.1: Fixed Guideway Transit and Passenger Rail Systems shall be in accordance with NFPA 130, 2017 Edition.

Amend Chapter 80 by adding the following:

Standard reference number: NFPA 130, 2017 Edition

Title: Standard for Fixed Guideway Transit and Passenger Rail Systems

Referenced in code section number: Section 320.

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

Proponent: Sound Transit, Terry Beals

Title: Director, Regulatory Permitting

Date: April 16, July 17, 2018

3. Designated Contact Person:

Name: Terry Beals

Title: Director, Regulatory Permits

Address: 401 S. Jackson Street, Seattle, WA 98104

Office Phone: 206-398-5237

Cell: 253-332-2868

E-Mail address: terry.beals@soundtransit.org

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. (Examples on the SBCC [website](#))

Code(s) 2015 IBC Chapters 31, 35

Section(s) 3101.1, 3112, 35 NFPA

Enforceable code language must be used; see an example [by clicking here](#).

Amend section to read as follows:

New Section 3112: Fixed Guideway Transit and Passenger Rail Systems. Construction of fixed guideway transit and passenger rail systems shall be accordance with NFPA 130, Standard for Fixed Guideway Transit and Passenger Rail Systems.

Amend Chapter 35: Amend subsection under NFPA by adding the following:

Standard Reference Number: 130

Title: Standard for Fixed Guideway Transit and Passenger Rail Systems

Referenced in code section number: 3101.1, 3112

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.

Sound Transit, a local agency established by the State Legislature in 1996 to plan, design, operate, and fund a high capacity transportation system in the Puget Sound area to address inadequate mobility needs of the area is seeking the State Building Code Council to adopt the National Fire Protection Association’s Standard for Fixed Guideway Transit and Passenger Rail Systems, NFPA 130. Adoption of NFPA 130 would resolve inconsistent and conflicting code requirements between NFPA 130, the IBC and IFC in many Puget Sound city building and fire departments. Due to Federal requirements, Sound Transit must build its passenger light rail system, including, but not limited to, stations, trainways, emergency ventilation systems, vehicles, emergency procedures, communications, and control systems specifically in accordance with NFPA 130.

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 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

Explain:

If there is an economic impact, use the Table below to estimate the costs and savings of the proposal on construction practices, users and/or the public, the enforcement community, and operation and maintenance. If preferred, you may submit an alternate cost benefit analysis.

| Building Type | Construction ¹ | | Enforcement ² | | Operations & Maintenance ³ | |
|-------------------|---------------------------|-----------------------|--------------------------|-----------------------|---------------------------------------|-----------------------|
| | Costs | Benefits ⁴ | Costs | Benefits ⁴ | Costs | Benefits ⁴ |
| Residential | | | | | | |
| Single family | | | | | | |
| Multi-family | | | | | | |
| Commercial/Retail | | | | | | |
| Industrial | | | | | | |
| Institutional | | | | | | |

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

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

¹ \$ / square foot of floor area or other cost. Attach data. **Construction** costs are costs prior to occupancy, and include both design and direct construction costs that impact the total cost of the construction to the owner/consumer.

² Cost per project plan. Attach data. **Enforcement** costs include governmental review of plans, field inspection, and other action required for enforcement.

³ Cost to building owner/tenants over the life of the project.

⁴ Measurable benefit.