

Deadwood Alive – Membrane Covered Frame Structure

- 1325 SF
- VB
- A-1
- Non-sprinklered (proposed sprinkler does not meet NFPA 13)
- OLF = 7 net
- Max Occ = 189? (based on gross SF - no floor plan)
- Proposed to be placed April 15 to October 15 annually – 184 Days – Temporary Structure

2021 IBC

Section 3103

- Required to also comply with IFC
- **3103.1.1 Conformance.** Temporary structures and uses shall conform to the structural strength, fire safety, *means of egress*, accessibility, light, *ventilation* and sanitary requirements of this code as necessary to ensure public health, safety and general welfare.

Chapter 5

- Max height above grade = 40 feet
- Allowable stories = 1
- Allowable area = 5,500 SF

Chapter 7

- VB construction (non-rated exterior walls) requires at least 10 feet of fire separation distance – table 705.5 (IFC section 3103.8.2 requires that temporary membrane structures be no closer than 20 feet from lot lines)
- Unprotected openings are limited between 5 feet and 30 feet of fire separation. Unprotected openings are not permitted at less than 5 feet of fire separation.

Chapter 8

- Sprinkler not required based on classification and SF
- **904.2.1 Restriction on using automatic sprinkler system exceptions or reductions.** Automatic fire-extinguishing systems shall not be considered alternatives for the purposes of exceptions or reductions allowed for *automatic sprinkler systems* or by other requirements of this code.
- One 2A fire extinguisher required

Chapter 9

- Fire Alarm not required – occupant load less than 300

Chapter 10

- Two exits required – occupant load greater than 49
- Maximum common path of egress travel distance 75 feet
- Maximum exit access travel distance 100 feet – per section 3103.4
- Exit signs are required unless exits are obvious and approved by Building Official

Chapter 11

- Required to be accessible to people with disabilities

Chapter 12

- Artificial lighting required
- Bathrooms?

Chapter 15

- Class C roof per VB construction (fire separation distance)

Chapter 18

- Frost protected foundation requirement waived (structure proposed April to October annually)

2021 IFC

Section 3104.2

- Membrane structures are required to meet the flame propagation performance of test method 2 of NFPA 701

General Notes

- Structural resistance to wind loading shall be documented
- Structure shall not be allowed to be attached to adjacent buildings without written permission from said building owner provided to City
- Structure cannot block access to exterior doors of adjacent buildings