

HIGH WIND AND SEVERE WEATHER CONDITIONS RESPONSE PLAN POLICY

This policy serves as general guidelines for safeguarding the public from hazards due to high wind events related to installation of temporary tent structures.

Temporary tent structures shall be designed for use with Risk/Occupancy Category II, Ultimate Design Wind Speed of 94 mph at 3-sec gust (73 mph service wind) Exposure Category B or C based on location, in accordance with *EPCOT Building Code (EBC) Section 904.2(e)*. Additionally, the tents shall be evaluated for a 16 psf design wind pressure on walls and 8 psf design wind pressure on roof consistent with the minimum wind load to be used for main wind-force resisting systems specified by the American Society of Civil Engineers (ASCE 7-10) *Minimum Design Loads for Buildings and Other Structures*.

Until December 31, 2017, the Building Official may approve an alternate design using a reduced wind speed based on an MRI reduction of .75 applied to the above ultimate wind speed pending the following criteria is met:

1. The tent structure shall be ballasted to support the unreduced 94 mph (ultimate) wind speed.
2. An individual in responsible charge shall be designated who has the authority to order evacuation of the tent if deemed necessary. The contact information for this person shall be provided to RCID.
3. Beginning at least two hours before the start of the event and up to the end of the event, the delegated person(s) should begin monitoring a reputable source of weather information such as the National Weather Service or National Oceanic and Atmospheric Administration (NOAA).
4. Tent structures shall be evacuated for any of the following occurrences:
 - (a) Tent structures shall be evacuated a minimum of 2 hours before forecasted wind gusts of 45 mph or greater are scheduled to impact the structure.
 - (b) Tent structures shall also be evacuated when lightning strikes occur within a 6 mile radius of the event location. The tent shall remain evacuated for a minimum of 30 minutes with no lightning strikes within a 6 mile radius.
 - (c) Tents shall be evacuated when micro burst weather patterns are forecasted within a 6 mile radius of the area of the event site.
5. Tent membranes including both hard and soft wall and roof surfaces shall be removed when winds are forecasted to exceed 74 mph at the event site and tent frames shall be removed when winds are forecasted to exceed 100 mph at the event site.
6. Use of these provisions must be specifically approved through the execution and approval on an Alternative Materials and Methods request submitted by the contractor.