

SAMPLE Conditional Use Agreement or Variance. This document can be used as a model to help guide both the Dome purchaser and the Permitting agency.

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Conditional Use Agreement AIR SUPPORTED STRUCTURE over Swimming Pool

This "Letter of Understanding" is executed in reference to the Ameri-Dome installation located at \_\_\_\_\_.

- 1. It is understood that the "Dome" structure will be used as a temporary structure and will not be installed for more than 180 days per calendar year.
- 2. It is understood that this "Dome" structure has an engineered rating of Not less than 80 MPH and that the dome will not be used in circumstances where the wind forecast is greater than 50 MPH.
- 3. Should a wind "event" be forecast to be in excess of 50 MPH it is understood and agreed that the "Dome" will be deflated prior to the occurrence of the wind "event" and remain on the surface of the pool until the wind "event" is concluded.
- 4. If a wind "event" is forecast to be in excess of 50 MPH and is forecast for a period of time during non-operational hours of the pool, the "Dome" shall be deflated over the pool prior to closing the facility and remain in place until the wind "event" is concluded.
- 5. It is understood that there is no seismic rating for this "Dome". Air supported structures are inherently flexible and are not affected negatively by seismic activity.
- 6. It is understood that there are no snow load calculations for this "Dome". Heat rising from the surface of the water collects on the underside of the "Dome" ceiling. Typically, a light to medium snow will melt from the heat transfer through the membrane. Should conditions occur where the "Dome" is unable to discharge the snow, the dome will be evacuated and it shall be deflated and remain on the surface of the pool until the snow "event" is concluded. Note: "Dome" collapses due to snow accumulation do not occur rapidly. Typically it can take hours to bring a dome down to the surface of the water due to the weight of snow.

Relevant Notes:

A. The internal pressure within an Air Supported Structure is used as a factor of the in the wind calculations. This internal pressure accounts for 60% of the pressure applied to the "Dome" anchoring system. If the "Dome" is collapsed onto the pool, the wind is inconsequential.

B. Standard Structural Engineering is over-engineered by a minimum factor of 1.67. This translates into a Minimum of 67% safety factor calculated into the engineering provided for the Ameri-Dome.