

# **Oceanside Design Data**

*[Effective 1/1/11]*

**The Seismic Design Category (SDC) is “D”\* when using the 2010 CBC and “D<sub>2</sub>”\* when using the 2010 CRC**

*\*[Default Value for the 2010 CBC or the 2010 CRC - for non-engineered Structures that may not require an Engineered Design or a Soils Report see Procedure PC-26 (2010 CCR) for Soil report requirements]*

**The “Equivalent Basic Wind Speed” = 71 mph**

*[Based on a “3-second gust” value of 85 mph & 2010 CBC Figure 1609.3.1]*

Exposure B: *Shall apply where “Surface Roughness B” prevails in the upwind direction for a distance of at least 2,600 ft; Or, 20 times the building height (whichever is greater...)*

*“Surface Roughness B” = Urban or suburban areas, wooded areas or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger.*

Exposure C: *Shall apply for all cases where Exposures B and D do not apply.*

*“Surface Roughness C” = Open spaces with scattered obstructions having heights generally less than 30 ft. This category includes flat open country...*

Exposure D: *Shall apply where “Surface Roughness D” prevails in the upwind direction for a distance of at least 5,000 ft; Or, 20 times the building height (whichever is greater...) Exposure D shall extend inland from the shoreline for a distance of 600 ft or 20 times the height of the building, whichever is greater...*

*“Surface Roughness D” – Flat, unobstructed areas and water surfaces...*

## **Climate Zone #7**

**Design Rainfall = 1.5 inches**

*[Use 2010 CPC Appendix D, Table D-1]*