

# Oceanside Design Data

[Effective January, 1, 2014]

- **The Seismic Design Category (SDC) is “D” when using the 2013 CBC and “D<sub>2</sub>” when using the 2013 CRC.**

- **The “Equivalent Basic Wind Speed” = 110 mph for Category II Buildings.**

*[Based on a 2013 CBC Table 1609A. Note; Category II Buildings are Residential and Commercial Buildings up to 5000 sq. feet.]*

*Note: For Category III Buildings that represent substantial hazard to health if the power goes out see table 1609B. For Category IV Buildings that are designated as Essential Structures see table 1609B. For Category I [Agriculture, temporary and minor storage buildings] see table 1609 C.*

**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 and grasslands.*

**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” – smooth mud flats, salt flats, and unbroken ice...*

- **Climate Zone #7**
- **Design Rainfall = 1.5 inches**

*[Use 2013 CPC Appendix D, Table D1.1]*