



City of Long Beach  
Department of Development Services  
Building and Safety Bureau  
**Wind Design Parameters**

Information  
Bulletin  
**BU-021**  
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The purpose of this Information Bulletin is to assist design professionals in understanding and meeting the general wind design requirements of the 2016 California Building Code (CBC), §1609, and ASCE 7-10, Chapters 26-31, for buildings and structures located in the City of Long Beach. The provisions of the Alternate All-Heights Method in CBC §1609.6 may be used. There are no special wind regions as described in CBC §1609 or ASCE 7-10, §26.5.2, to consider in the City of Long Beach. All buildings and structures, including components and cladding systems, shall be based on the wind design parameters as specified in the Code and as clarified in this Information Bulletin.

For the purpose of determining the basic wind design parameters (i.e., basic wind speed, surface roughness, and exposure category) for buildings and structures in the City of Long Beach, the applicable wind design parameters will depend on whether the location of the site is within or outside of the proximity of the Pacific Ocean shoreline. The areas that are to be considered **within** the proximity of the Pacific Ocean shoreline shall be defined as follows: all areas located south of Ocean Boulevard, excluding the areas bounded by Ocean Boulevard, Shoreline Street, Shoreline Drive and Alamitos Avenue, and including all areas east of 54<sup>th</sup> Place located on both side of Ocean Boulevard. Refer to the “Wind Design Exposure Map” on page 2 for additional information.

The basic wind design parameters for all buildings and structures **not within** the proximity of the Pacific Ocean shoreline shall be as follows:

Basic Wind Speed,  $V_{ult}$ : **110 mph**  
Surface Roughness: **B**  
Exposure Category: **B**

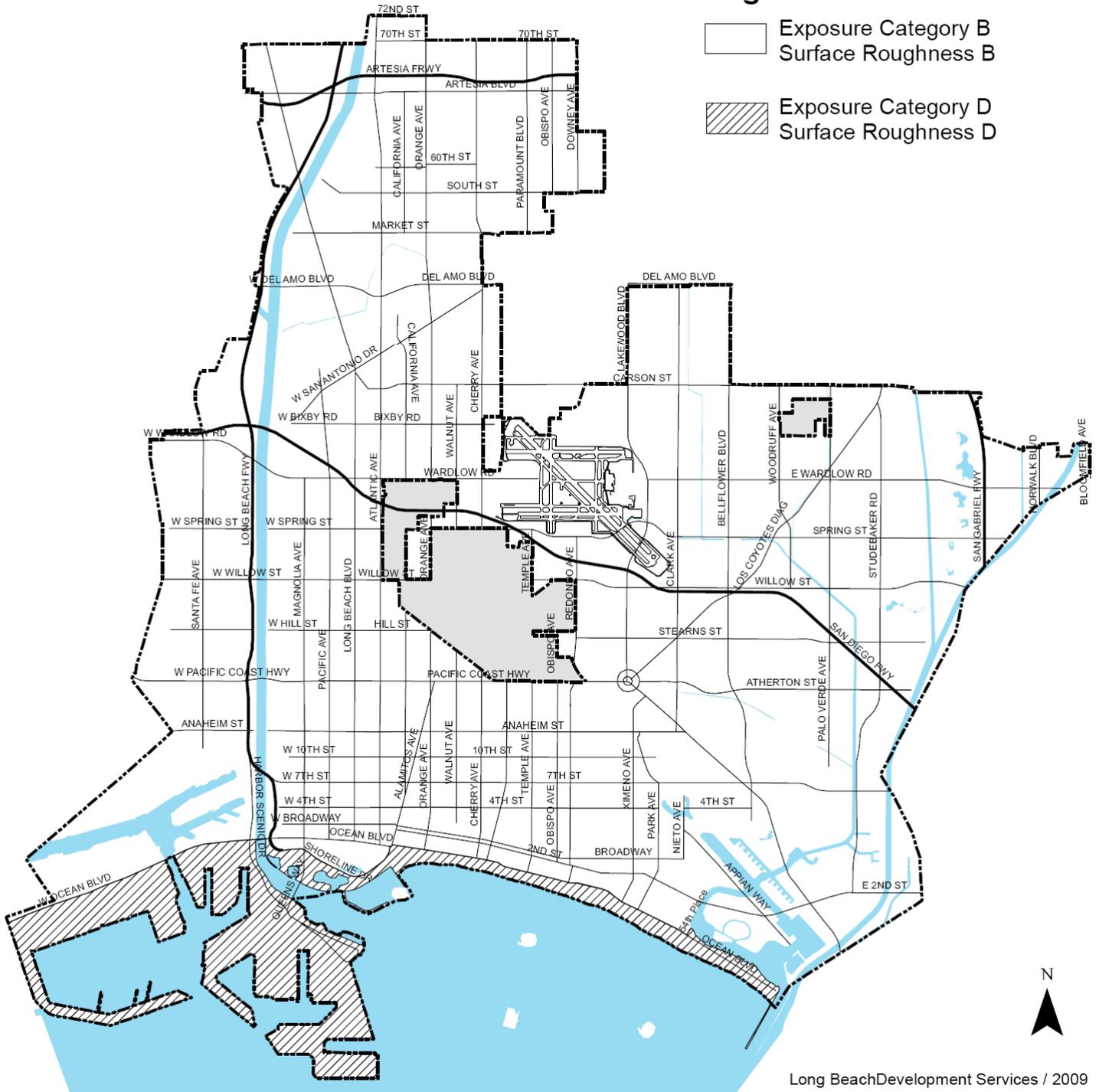
Unless a registered design professional (i.e., licensed architect or engineer) can justify a lower wind design requirement, the basic wind design parameters for all areas located **within** the proximity of the Pacific Ocean shoreline shall be as follows:

Basic Wind Speed,  $V_{ult}$ : **110 mph**  
Surface Roughness: **D**  
Exposure Category: **D**

### WIND DESIGN EXPOSURE MAP

#### Legend

-  Exposure Category B  
Surface Roughness B
-  Exposure Category D  
Surface Roughness D



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