

INTERPRETATIONS & APPLICATIONS
OF BUILDING CODES & REGULATIONS 21-1



**CODE SECTION: 1609 Wind Loads 2021 IBC, and R301.2.1 Wind Design
Criteria 2021 IRC**

Old 90-2; Rev 02/05/2013; 01/06/2017; 01/20/2023

Code: 2021, IBC and IRC,

SUBJECT: WIND SPEED AND EXPOSURE CATEGORY

All buildings, structures and parts thereof shall be designed to withstand the minimum wind loads prescribed in Section 1609 of 2021 International Building Code, and Section R301.2.1 of 2021 International Residential Code.

Wind load on every building or structure shall be determined in accordance with Chapters 26 to 30 of ASCE 7.

All buildings and portions thereof shall be designed for minimum ultimate design wind speed of 105 mph, unless otherwise classified in Table 1604.5 Risk Category of Buildings and Other Structures.

For the purpose of determining the “design wind pressure” exposure category “C” shall be assigned for each site for which a building or structure is to be designed

Exception:

Exposure “B” may be used for building and structures that meet **all** conditions below.

1. Buildings with mean roof height of less than or equal to 30 feet.
2. Buildings and structures within boundaries shown in attached figure. (*Area bordered by the city limits to the south and west, Frank Lloyd Wright Blvd and Central Arizona Project (CAP) Canal to the north and east, Granit Reef Rd to the east, and 9300 block to the south.*)