

Main Wind Force Resisting System – Part 2		h ≤ 160 ft. Application of Roof Pressures
Table 27.6-2	Wind Pressures - Roof	
Enclosed Simple Diaphragm Buildings		

Notes to Roof Pressure Table 27.6-2:

1. From table for Exposure C, V , h and roof slope, determine roof pressure p_h for each roof zone shown in the figures for the applicable roof form. For other exposures B or D, multiply pressures from table by appropriate exposure adjustment factor as determined from figure below.
2. Where two load cases are shown, both load cases shall be investigated. Load case 2 is required to investigate maximum overturning on the building from roof pressures shown.
3. Apply along-wind net wall pressures to the projected area of the building walls in the direction of the wind and apply exterior side wall pressures to the projected area of the building walls normal to the direction of the wind acting outward, simultaneously with the roof pressures from Table 27.6-2.
4. Where a value of zero is shown in the tables for the flat roof case, it is provided for the purpose of interpolation.
5. Interpolation between V , h and roof slope is permitted.

