

- **Case 1.** Full design wind pressure acting on the projected area perpendicular to each principal axis of the structure, considered separately along each principal axis.
- **Case 2.** Three quarters of the design wind pressure acting on the projected area perpendicular to each principal axis of the structure in conjunction with a torsional moment as shown, considered separately for each principal axis.
- **Case 3.** Wind loading as defined in Case 1, but considered to act simultaneously at 75% of the specified value.
- **Case 4.** Wind loading as defined in Case 2, but considered to act simultaneously at 75% of the specified value.

Notes:

- 1. Design wind pressures for windward and leeward faces shall be determined in accordance with the provisions of 27.4.1 and 27.4.2 as applicable for building of all heights.
- 2. Diagrams show plan views of building.
- 3. Notation:

 P_{WX} , P_{WY} : Windward face design pressure acting in the x, y principal axis, respectively.

 P_{LX} , P_{LY} : Leeward face design pressure acting in the x, y principal axis, respectively.

 $e(e_X, e_Y)$: Eccentricity for the x, y principal axis of the structure, respectively.

 M_T : Torsional moment per unit height acting about a vertical axis of the building.