GARAGE DOOR ENFORCEMENT TO BEGIN WITH PERMITS ISSUED 1/2/2004

Section R301.2.1 of the 2000 International Residential Code (IRC) and Section 1609 of the 2000 International Building Code (IBC) require that all doors be able to resist the design wind load for the structure. This is especially critical for garage doors due to their large area. **Effective with building permits issued on or after January 2, 2004, DCA will verify that garage doors meet the required wind loading. (PERMIT NUMBER CPBS 200426875 OR GREATER.)**

This initiative has been developed by agreement with the Home Builders Association of Greater Kansas City (HBA) and in conjunction with the Johnson County Building Officials Association. It is anticipated that the majority of jurisdictions in the metropolitan area will begin this verification at this time. The Door & Access Systems Manufacturers Association International (DASMA) represents the manufacturers of over 95% of all garage doors sold in North America. DASMA representatives have been directly involved in the discussions regarding this initiative.

The manufacturer's installation instructions shall be provided at the jobsite for inspection, along with evidence that the door has been evaluated for the appropriate wind load. This evidence may take the form of any of the following to be provided by the manufacturer:

- A DASMA evaluation label attached to the door;
- A copy of an ICC Evaluation Service report;
- A copy of a wind test evaluation per ASTM E330 or ANSI/DASMA 108, sealed by an independent professional engineer or recognized testing agency; or,
- A copy of a 'rational analysis' sealed by a professional engineer.

The Kansas City area has a basic wind speed of 90 mph (3-second gust). For a house in Exposure Category B, this translates to 12.8 psf positive wind pressure and 14.8 psf suction wind pressure for a 9' x 7' door, and 12.4 psf positive wind pressure and 13.8 psf suction wind pressure for a 16' x 7' door. Exposure Category B may be assumed unless the site meets the definition of another category. (See IRC Section R301.2.1.4.)

Additional information related to this subject may be found at DASMA's website at www.dasma.com.