

ACEC 2010 ENGINEERING EXCELLENCE AWARDS

MERIT AWARD WINNERS



■ BUILDING/TECHNOLOGY SYSTEMS

SHIVE-HATTERY, INC. **Rock Island Arsenal Building 220 Window Replacement**

Owner: Rock Island Arsenal
Consultants: Russell Construction Company

Building 220 houses a manufacturing process that uses state-of-the-art, multi-million dollar equipment. The original window system in the three-story, 90-year-old building, was

seriously deteriorated. Shive-Hattery provided high definition (3D) scanning to get fast yet accurate window measurements. The next challenge was design and installation of the windows without disrupting the manufacturing process and also providing a safe workplace. The new glazing system is true divided lite, thermally broke, aluminum curtain wall system with individual outward projecting operating sashes. This system meets the owner's goal of increased thermal ratings and projected windows that are more responsive and efficient.

The Engineering Excellence Awards Competition recognizes projects of engineering achievement by Illinois consulting engineering firms. Entries are judged on the basis of engineering excellence, the degree to which the client's needs are met, and the benefits to the public welfare and private practice of engineering.



Photo: Business Instructional Facility, Urbana, Illinois - Winner of the 39th Annual Engineering Excellence Eminent Conceptor Award (2010). Designed for the University of Illinois at Urbana-Champaign by KJWW Engineering Consultants

■ **MERIT AWARDS** are given for those projects worthy of recognition for the engineer and the owner/client.

■ **SPECIAL ACHIEVEMENT AWARDS** are given for those projects worthy of special recognition of the engineer and the owner/client for achieving engineering excellence.

■ **PRO BONO PUBLICO AWARD** is a new award created by the Engineering Excellence Awards committee to recognize engineering firm projects for the public good.

■ **HONOR AWARDS** are given for those projects which are recognized for exceptional engineering that meet the needs of the client and benefit the public welfare.

■ **EMINENT CONCEPTOR AWARD** recognizes an engineering achievement which demonstrates a high degree of merit and ingenuity, contributes to the advancement of the private practice of engineering, and enhances the economic and social welfare of the general public.