Subject: Building Green and LEED v4 New Construction

Date: November 2007 (Revised January 2015)

The United States Green Building Council (USGBC) publishes the Leadership in Energy and Environmental Design (LEED) rating system. The latest LEED, version v4, includes new market sector adaptations for data centers, warehouses and distribution centers, hospitality, existing schools, existing retail and mid-rise residential projects.

LEED v4 establishes requirements for design components that impact sustainable design. Credits or points are earned for meeting specific milestones in various categories. These categories include Location and Transportation (LT), Sustainable Sites (SS), Water Efficiency (WE), Energy and Atmosphere (EA), Materials and Resources (MR), Indoor Environmental Quality (EQ), Innovation (IN), and Regional Priority (RP). A minimum number of available points are required to achieve a LEED Certified rating. Silver, Gold, and Platinum levels are also available by meeting higher point thresholds.

R-Control SIPs are an ideal structural and insulation choice for inclusion into LEED certified building designs. The key benefit of using R-Control SIPs is a reduction in energy consumption.

The following are the key categories associated with the use of R-Control SIP in LEED certified building.

**Energy & Atmosphere**

*Minimum Energy Performance*
R-Control SIPs help reduce the environmental and economic harms of excessive energy use by achieving a minimum level of energy efficiency for the building and its systems.
(required)

*Optimized Energy Performance*
R-Control SIPs are a key building envelope component to achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excessive energy use.
(up to 20 points)

**Innovation in Design:**

*Innovation in Design*
R-Control SIP are an innovative product used to achieve exceptional or innovative performance.
(1 point)