



nerelj

Stop & Shop is an industry leader in green building

October 17, 2013 - Spotlights

Leadership in Energy and Environmental Design (LEED) certification program than any other national chain, demonstrating their real commitment to reducing their impact on the environment. Located at 400 Boston Post Rd., the new 45,000 s/f store is seeking LEED Silver certification, and is anticipated to use up to 20% less energy than a typical grocery store of this size. It will boast the latest in energy efficient features, some debuting for the first time for the supermarket company. Stop & Shop will introduce complementary electric car charging stations at the new store, providing parking spots for electric cars. More than 600 roof-top solar panels which are expected to supply about 11% of the store's overall energy needs; and LED parking lot lights which will reduce energy consumption by 50% vs. traditional lighting and will save about 1.4% of the store's annual electricity requirements.

Stop & Shop is a member of the U.S. Green Building Council and EPA's Smart Way program and has been awarded LEED (EB) certifications for 50 of its existing stores. Vanasse Hangen Brustlin, Inc. (VHB) has served as Shop & Shop's green building and sustainability consultant since 2006.

Green building features include:

- * White roof to reflect the sun light and reduce the heat gains in the store, requiring less energy for space cooling.
- * Skylights to harvest day light and dim energy-efficient fluorescent lights to reduce the electricity consumption during peak daylight hours by an average of 2.5%.
- * LED lighting in overhead track lights, spotlights on specialty areas & displays, exterior store signs and in the frozen food cases which uses half the wattage of traditional incandescent lighting.
- * Low air return in frozen aisles which makes the store environment more comfortable for shoppers.
- * ECM (electronically commutated motor) motors in the refrigerated fixtures and walk-in coolers that deliver uniform airflow while using 33% less electricity.
- * Low mercury, energy-efficient, fluorescent light fixtures throughout the store with occupancy sensors in the storage areas and offices.
- * An Energy Management System to monitor the performance of the lighting, refrigeration, and HVAC systems.
- * Low flow fixtures in the bathrooms and prep areas to reduce water consumption by over 35%.
- * Low VOC (volatile organic compounds) paints, adhesives and sealants to ensure proper air quality.
- * Green cleaning methods used with non-toxic materials for better indoor air quality.
- * Drought resistant landscaping to minimize water consumption.

New England Real Estate Journal - 17 Accord Park Drive #207, Norwell MA 02061 - (781) 878-4540