

For Immediate Release
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On the Boards: The Rayburn House Office Building: BIPV Roof System
Washington, DC

- The Architect of the Capitol has contracted Karn Charuhas Chapman & Twohey (KCCT) to complete a feasibility study for the placement of a BIPV (Building Integrated Photovoltaic) roof system for The Rayburn House Office Building.
- BIPV roof systems provide energy tax incentives (10% of the cost of the system), carbon offsets, and optimal energy performance. The proposed BIPV system consists of 180 10' x 20' amorphous silicon panels which produce electricity using a wider spectrum of light than traditional crystalline technology.
- The National Renewable Energy Laboratory estimates the average peak hours of sun per day in Washington DC is 4.66 hours per day, thus the anticipated power to be generated on the Rayburn House roof per year is 249mwh. BIPV roofing systems have the ability to achieve LEED credits for renewable energy as sustainable design features.
- KCCT Team: Principal Designer, Enrique A. Bellini, AIA, EFI, and Project Manager, James Dudney, RA.



The Rayburn House Office Building
BIPV (Building Integrated Photovoltaic) Roof

KCCT Highlights



Mo Azam, AIA, Project Architect

- Mo Azam, AIA, Project Architect at KCCT, completed the ARE exams and is eligible to practice architecture in California and Washington states. Working with KCCT since 2003, Azam earned a master's degree in architecture from The Catholic University of America.
- Azam is currently working on two new U.S. embassy projects scheduled to be completed in 2010. With the site plan seated around archeological remains from the Bronze Age, the new U.S. embassy project in Valetta, Malta is comprised of eight buildings totaling 92,000 sf, including a Chancery building being used for office space. In Karachi, Pakistan, the design for a housing complex addition for the current U.S. Embassy compound will include staff housing, Marine Security Guard Headquarters (MSGQ) and Consul General's Residence (CGR) totaling 65,000 sf.

Low-resolution files are attached. If you would like hi-resolution files for press purposes, please ask.

About KCCT Architects

Karn Charuhas Chapman & Twohey (KCCT), architecture, planning and interiors, is located in Washington, DC. With 25 years experience, KCCT is a leading architecture firm for the Architect of the Capitol and the U.S. Department of State, with projects completed in more than 120 foreign countries. KCCT's design excellence has been acknowledged with more than 25 professional awards, including GSA National Design Awards and AIA Design Awards.