

Project Profile:

Client: Schering-Plough
Portfolio: Pharmaceutical
Location: Summit, NJ

Services: Analysis of approximately 230,000 SF of existing roof structures among 5 buildings to receive photovoltaic systems as part of Schering-Plough's solar energy project. Roof structures analyzed include steel framing, cast in place concrete, and precast concrete. Analysis criteria included permanent ballasted loading from the panel system and FM Global wind uplift loading. Some panel systems required positive attachment to the roof to meet FM Global requirements for uplift. Also, analysis and recommendations were provided for staging of a 2,500 lb inverter.

Description: At the time of completion, with a capacity of 1.7 megawatts, this is the largest rooftop solar installation in the United States. This system will meet approximately 12 percent of the Summit New Jersey campus's peak energy needs.

Photo:

