



# BUILDING INTEGRATED PHOTOVOLTAICS



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Atlantis Energy Systems (AES) became a part of the design & engineering team as an integrator, working with the local curtain-wall fabricator, Rock Valley Glass and GC, Sjostrom and Sons to make a design statement of Power, Mathematics, Sustainability, Science and Social Responsibility.

AES is the only Full Integrator in the US that can provide Turn-key service from solar analysis to fabrication. The New York based manufacturer's philosophy is to be the leader in engineering and architectural design solutions for building integration, by combining both daylight harvesting and renewable power generation.

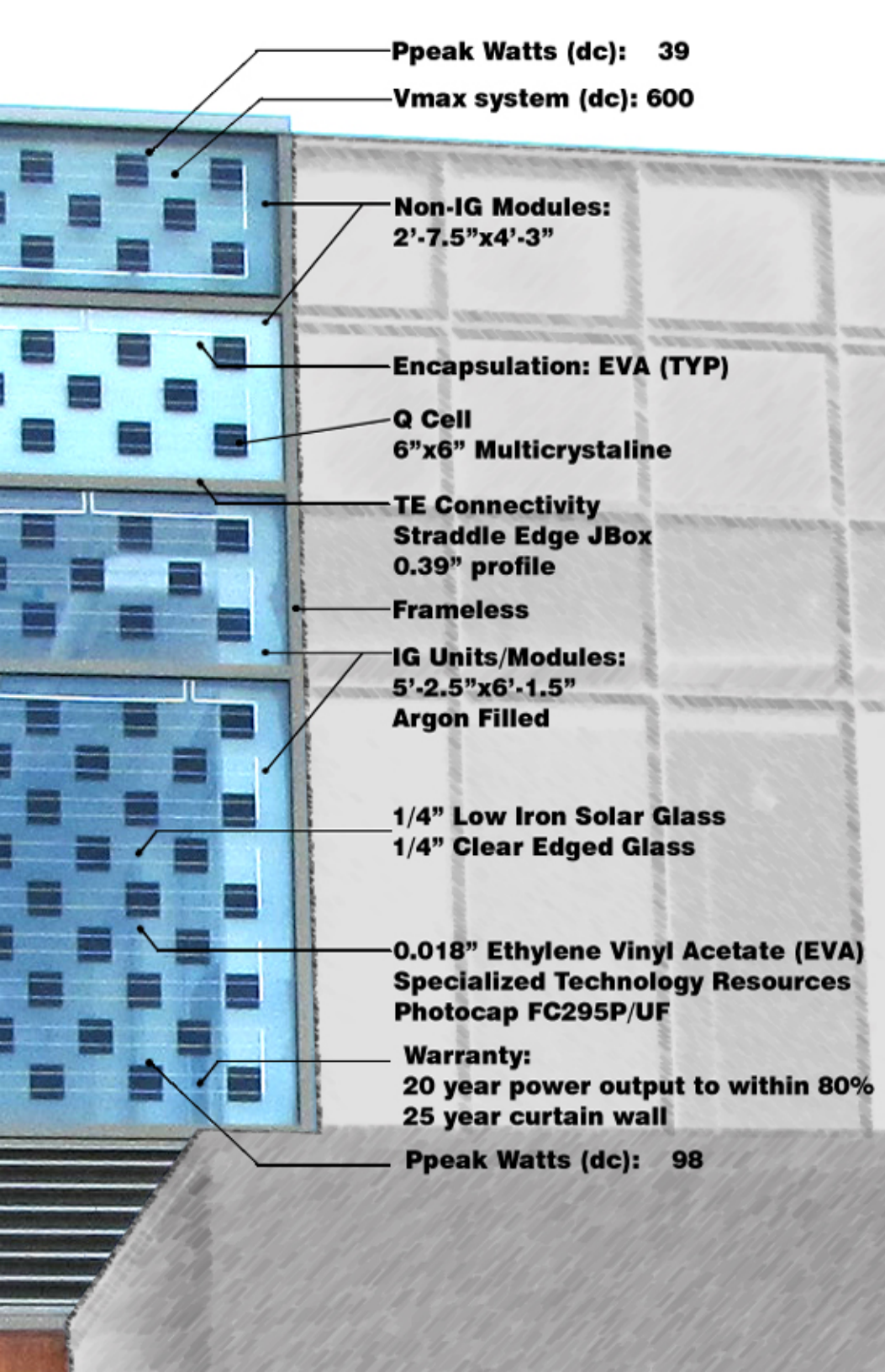
In addition to the integrated PV glazing at Rock Valley College, AES Building Integrated Photovoltaics (or BIPV) solutions can turn a roof, skylights or the curtain-wall of a building into a complete, multifunctional, high-performing, solar-energy power plant. AES provides the most extensive & innovative approach to design and implementation of BIPV.

KARL J. JACOBS  
CENTER FOR SCIENCE AND MATH

Atlantis Energy Systems Integrated Glass Facade  
Architects: Saavedra Gehlhausen Architects  
Demonica Kemper Architects  
Peak Power: 1.2 kW AC  
Visible Transmittance: 50/50





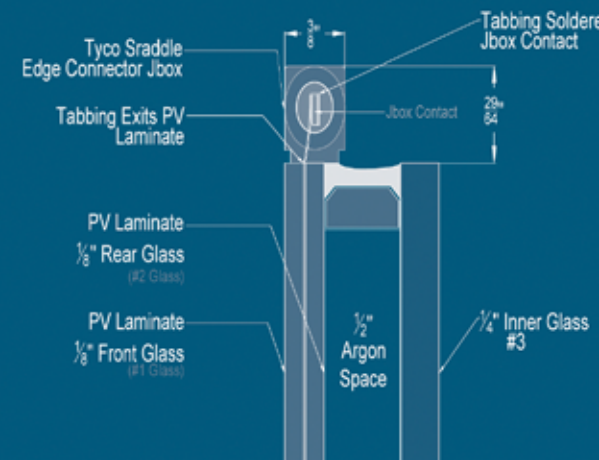
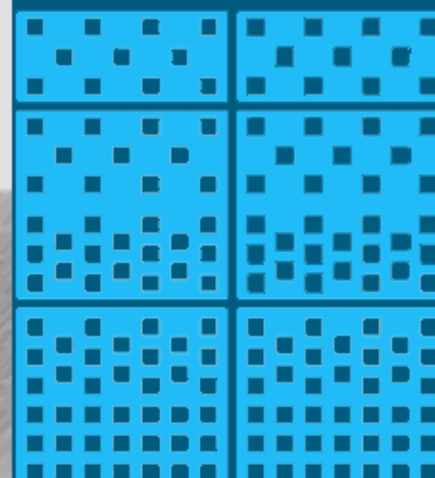


# 100% DESIGN ASSISTANCE

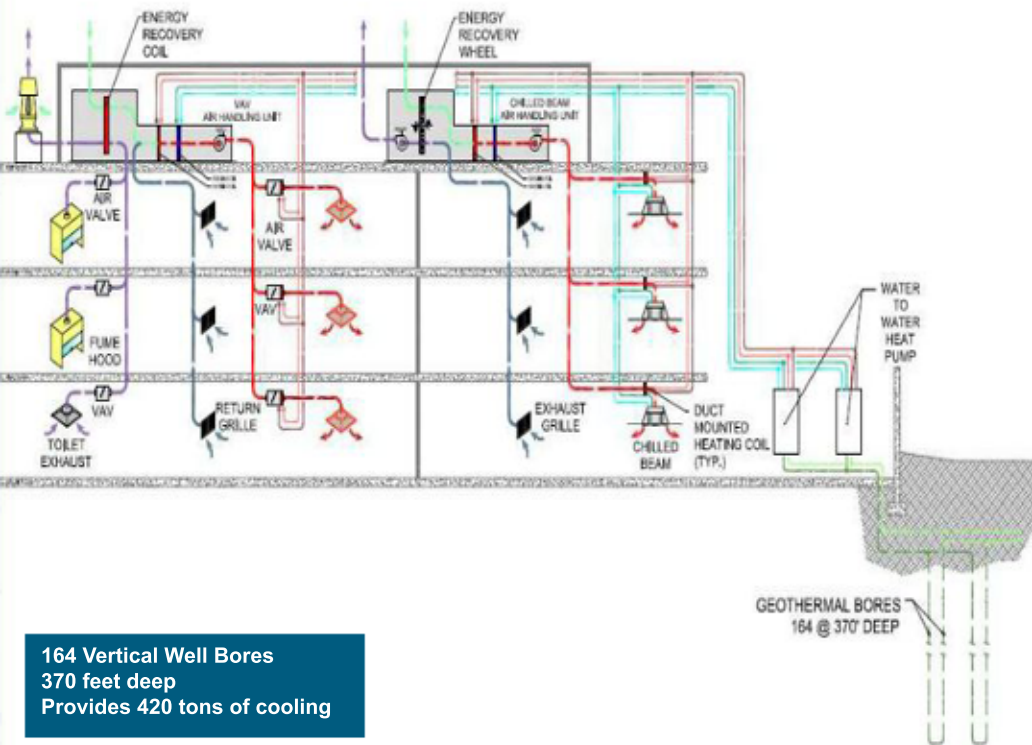
Demonica Kemper Architects provided the design to Atlantis Energy Systems (AES) with; PV Cell size, color, pattern, transparency, thickness and size.

AES then used Kelly Andereck, CSI, LEED AP principal of A Design Consulting as the local AES architect & engineer with Rock Valley Glass as the Project Coordinator, and Syracuse Glass as the fabricator to provide the timely and seamless transition from Construction Documentation to site assembly and commissioning.

**SIZE**  
**INSULATED GLASS** SEMI-TRANSPARENCY  
**COLOR** **THICKNESS**



# ENERGY SAVING TECHNOLOGIES



GEOTHERMAL FIELD  
 WATER COOLED HEAT PUMPS  
 CHILLED BEAM COOLING  
 VAV AIR HANDLING UNITS  
 ENERGY RECOVERY ON AIR HANDLING UNITS  
 THERMALLY EFFICIENT GLAZING  
 WHITE MEMBRANE ROOF W/R-27 INSULATION  
 GEOTHERMAL DOMESTIC WATER HEATING  
 VARIABLE FREQUENCY DRIVES  
 HIGH EFFICIENCY LIGHTING FIXTURES  
 DAYLIGHTING / OCCUPANCY SENSORS  
 MULTIPLE SWITCHING ZONES  
 BUILDING INTEGRATED PHOTOVOLTAIC SYSTEM

Our Thanks to the In-Kind Support of:



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## About A Design Consulting

A Design Consulting is a full-service architectural consulting firm committed to providing the building community with sustainably driven solar power engineering and development, education, research, and technical analysis, LEED® documentation. Over 20 years of technically driven architectural design experience including solar and renewable energy system design and engineering with Architects licensed in Florida, Illinois & California and Electrical, Mechanical and Structural Engineers including licensed professionals.

## About Atlantis Energy Systems, Inc.

Atlantis Energy Systems, Inc. manufactures and supplies building integrated photovoltaic (BIPV) products for residential and high-end homeowners, commercial real estate developers, governments, and institutions in the United States. The company offers BIPV slate roofing tiles called SUNSLATES and custom architectural PV glazing systems. It also provides other BIPV roofing slates, BIPV glass laminates, and custom BIPV solutions, as well as a selection of custom made panels ready for integration into a specific system such as curtain walls, skylights, roofs or public art work. In addition, the company offers system design, project coordination, turn-key system integration, and training services. It serves architects, developers, homeowners, and community representatives.

The company offers its products through dealers in San Francisco, CA; Fort Lauderdale, FL; Chicago, IL; New York, NY; and Dublin, Ireland, as well as in Canada. Atlantis Energy Systems, Inc. was founded in 2002 with manufacturing in Poughkeepsie, NY and is based in Sacramento, CA with sales offices in Orange County, as well as in the Midwest and the East Coast.