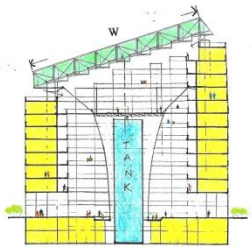
BIETR, etc



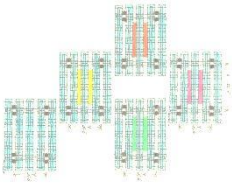
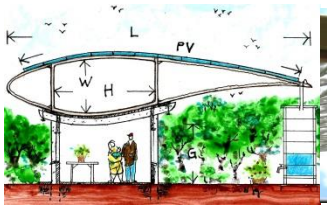



The **BIETR, etc** exhibit by Joel H. Goodman includes solar collector and storage building studies for heating and cooling, solar kitchens for the Tropics, reused wind blades, PV pergolas, and various other works. **April 2nd to 30th, 2018** at the Iowa County Courthouse, Dodgeville, Wisconsin, 8:30 a.m.- 4:30 p.m. Monday-Friday.

The Building Interior Evacuated Tubes and Reflectors (BIETR) active solar thermal concentrator collector building type is for mid temperature (above 80C/176F) process heat applications in non-seismic snow and dust accumulation regions. A nonpublic walk-in architectural solar collector has interior fixed nonimaging reflectors augmenting evacuated tubes with a monolithic glass roof. Architectural feasibility studies include: small and large area roof-collectors for additions and new buildings. BIETR test facilities projects are in progress with student engineering studies at UW-Platteville. Schematic architectural studies indicate active solar energy technologies are main organizing factors for building design and site planning. The BIETR is recommended research that "fits into the AIA's goals and aligns with the 2030 challenge" by the national AIA Center for Building Science and Performance.

Various other works include: additional Building Integrated CSP (concentrating solar power) schematic designs; photographs of architectonic models; and graphics.



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