

We analyze the impact of street orientation and key design variables (solar altitude, building height, facade angle) on glare occurrence, using a reverse ray-tracing approach to identify ...

The data presented directly illustrates the solar impact on the proposed building through geographical coordinates and annualized weather data files. The images allow us to begin to achieve a ...

The design of effective shading devices will depend on the solar orientation of a particular building facade. For example, simple fixed overhangs are very effective at shading south-facing windows in ...

The effectiveness of solar curtain walls is contingent upon various factors including orientation, shading, and architectural design. Careful planning is essential to maximize energy ...

Building orientation plays a huge role in the curtainwall efficiency, and designers and architects must consider building location and positioning. Southernfacing facades (in the northern ...

Onyx Solar's photovoltaic (PV) glass solutions for curtain walls and spandrels are transforming modern architecture by integrating energy-generating technologies seamlessly into building designs.

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This paper presents a computer-aided visualization of the influence of reflected sunbeams from glass curtain wall buildings.

Onyx Solar's photovoltaic solutions for curtain walls and spandrels combine energy generation with sleek architectural design. These systems transform traditionally unused building surfaces into ...

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