

Title: Glass wall solar effect

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Any building that has 50 per cent or more of its outside walls made of glass will have sufficient solar heat gain during some hours of the day in spring and fall to require cooling, even though the outside air ...

Studies have investigated the effect of glass curtain walls on reflected sunlight, revealing that such materials can become potential sources of glare within the visual field (Abdelwahab et al., ...

This paper focuses on analysis of the experimental results and the cause of the visual masking effect due to the reflection of sunlight from a glass curtain wall and on the method of quantitative calculation ...

Using low thermal resistance of glass wall leads to increase the rate of heat loss by conduction or increase the rate of transfer through building by solar radiation.

This research is trying to find out how solar radiation absorbed and reflected by a glazed facade increases the atmospheric temperature, hence contributing to climate change. A pilot case ...

Perfectly flat glass will reflect light and solar energy. Glass may deflect due to a variety of environmental factors (see section below) that may lead to the concentration of this reflection in a localized area.

Trying to decide on adequate glazing for the south face, which will be entirely windows, with the north and most of the east and west walls bermed. The south glaze front will be tilted to 68" to maximize ...

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