



AIA Registered Provider Number: J615
AIA Course Number: K2010N

EXTERIOR SHADING:

MANAGING GLARE & SOLAR HEAT GAIN THROUGH EXTERIOR SHADING SYSTEMS

Course Objective(s): Fabric zip systems, venetian blinds, and rack arm systems are highly effective strategies for optimizing daylighting, occupant comfort, and energy savings.

1. Understand the key aims of solar control, including the benefits to health and wellness, occupant comfort and productivity, and energy savings.
2. Explain how solar heat gain occurs and why exterior shading systems are an appropriate and effective way to manage it.
3. List the main variables which must be evaluated when selecting a shading strategy to improve health and well-being of occupants.
4. Review the advantages, limitations, and applications of exterior fabric zip systems, venetian blinds, and rack arm systems.
5. Understand the importance of automated control systems in the development of an effective shading strategy that has a positive impact on occupant health and wellness.

Length: One Hour

Credits: Architects receive **One AIA** Learning Unit (1 AIA LU/HSW)

How Taught: An audio-visual interactive presentation with graphics, drawings and pictures. After the audio-visual presentation there will be a question and answer period for feedback and interaction.

FOR PRESENTATION OF **MANAGING GLARE & SOLAR HEAT GAIN THROUGH EXTERIOR SHADING SYSTEMS** IN A VIRTUAL OR IN-PERSON PRESENTATION:

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