



**ATAS International, Inc.**  
Sustainable Building Envelope Technology



**AIA**  
Continuing  
Education  
Provider

GBCI

**IDCEC**  
INTERNATIONAL DESIGN  
CONTINUING EDUCATION COUNCIL



## AVAILABLE SEMINARS

### Demystifying Rain Screen Concepts Utilizing Metal Wall Panels

Provider # J447 | AIA/CES Course # DRS0220 | 1 LU/HSW & 1 IIBEC CEH

#### Learning Objectives:

- Understand various types of rain screen wall systems
- Identify importance of critical nature of air and water resistance barriers in energy efficiency
- Discover and define the importance of integrating continuous insulation
- Simplify energy efficiency of rain screens utilizing insulated metal panels

### Design and Testing of Perimeter Edge Metal for Low-Slope Commercial Roofs

Provider # J447 | AIA/CES Course # PEM0322 | 1 LU/HSW & 1 IIBEC CEH

#### Learning Objectives:

- Identify on drawings or in the field the three roof conditions that utilize perimeter edge metal, and name the ANSI/SPRI standards written for those conditions
- Use ANSI/SPRI ES-1 to calculate the vertical and horizontal negative pressures on perimeter edge due to wind
- Specify in Division 7, Thermal and Moisture Protection, the three perimeter edge metal test methods required by code (IBC)
- Recognize, when designing or specifying perimeter edge metal, three common perimeter edge metal design and installation errors, and explain how they can be avoided

### Designing for the Effects of Wind on a Building - Tests and Reality

Provider # J447 | AIA/CES Course # DEW0122 | 1 LU/HSW & 1 IIBEC CEH

#### Learning Objectives:

- Identify the types of metal roof panels and their performance capabilities and understand the test methods established for metal roof panels
- Create specifications that identify the proper test methods to be included for the various roof products, styles and application
- Recognize proper code requirements for metal roof systems and perimeter edge systems
- Discover how actual field performance of products relates to test methods and procedures, and implement best practices

### Designing with Metal Wall Panels ●

Provider # J447 | AIA/CES Course # DMW0923 | 1 LU/HSW & 1 IIBEC CEH

#### Learning Objectives:

- Define metal wall panel substrates and coatings
- Explain the basic requirements of a wall assembly
- Describe the different types of metal wall panels
- Understand the basic detailing and flashing components

### Insulated Metal Panels – Creating the Perfect All-In-One Barrier Back Up Wall System

Provider # J447 | AIA/CES Course # BBU0622 | GBCI Course # 0920025869

1 LU/HSW, 1 GBCI CE Hour & 1 IIBEC CEH

#### Learning Objectives:

- Recognize the key elements of the perfect wall and understand how the primary control layers enhance a building's sustainable design
- Identify the different types of wall assemblies and understand the energy efficiency of each
- Review the different components and performance of an Insulated Metal Panel Barrier Back Up Wall System and recognize how they contribute to green building and energy savings
- Identify the key benefits, including thermal performance, of an Insulated Metal Panel Barrier Back Up Wall System
- Distinguish Green Building / LEED contributors of an Insulated Metal Panel Barrier Back Up Wall System

### Insulated Metal Wall and Roof Panels - High Performing Systems in Design, Sustainability, and Operation

Provider # J447 | AIA/CES Course # IMP0522 | GBCI Course # 0920026254

1 LU/HSW, 1 GBCI CE Hour & 1 IIBEC CEH

#### Learning Objectives:

- Have a better understanding of insulated metal panels (IMPs) and components.
- Explain how insulated metal panels prevent air and vapor infiltration, increase thermal comfort for building occupants and improve building performance through increased energy efficiencies.
- Compare insulated metal panels to traditional systems based on attributes, aesthetics, and sustainable performance.
- Recognize the durability, thermal performance and energy efficiencies gained when using insulated metal panels vs. traditional systems and how they reduce their environmental impact.
- Understand the criteria, attributes and sustainability benefits of insulated metal panels and how they may qualify for credits under LEED (Leadership in Energy and Environmental Design).

### Interior Acoustics and Sound Control Using Metal Panels

Provider # J447 | AIA/CES Course # IAS0322 | 1 LU/HSW

1 IDCEC CEU | IDCEC Course # CEU-119126

#### Learning Objectives:

- Define sound and its physical properties, and identify how sound travels and interacts through a typical space
- Examine the history of architectural acoustics, and utilize Wallace Sabine's formula to convert Sabins in order to meet a specific area's need for acoustical sound control
- Understand Noise Reduction Coefficients (NRC), Ceiling Attenuation Class (CAC), Sound Transmission Class (STC), and how each helps in acoustical sound control
- Demonstrate placement and alternative spaces to provide acoustical treatment within a given space

● Course is available online

## Metal Coil Coating Technology - Processing and Performance of Prepainted Metal in the Building Products Industry

Provider # J447 | AIA/CES Course # MCT0422 | 1 LU/HSW & 1 IIBEC CEH

### Learning Objectives:

- Understand how a continuous coil coating line operates and the different processes which are involved
- Recognize the importance of proper cleaning, pretreatment, primer and paint to achieve a quality coated metal coil
- Discover the different test methods that are employed for quality control in the coil coating process
- Realize the advantages that prepainted metal offers, including the energy and environmental benefits

## Metal Roofing: History, Material, and Application

Provider # J447 | AIA/CES Course # MRH0322 | 1 LU/HSW & 1 IIBEC CEH

### Learning Objectives:

- Observe and recognize the history of metal roofing and the different types of metal used
- Explain the manufacturing process and the importance of finish coatings
- Describe the differences between low slope roof systems and steep slope roof systems
- Understand the environmental benefits, sustainable technology and the features of metal roofing

## Solar Air Heating

Provider # J447 | AIA/CES Course # SAH0622 | GBCI Course # 0920026263

1 LU/HSW, 1 GBCI CE Hour & 1 IIBEC CEH

### Learning Objectives:

- Understand solar air heating principles and how they contribute to a sustainable building
- Explain how energy efficient transpired solar collectors function and the design considerations
- Learn how outside ventilation air is preheated and brought into a building, improving indoor air quality
- Realize the carbon-reduction of a building with the use of transpired solar collectors
- Describe the system components and installation for a transpired solar collector

## Sustainable Building Envelopes

Provider # J447 | AIA/CES Course # SBE0222 | GBCI Course # 0920025480

1 LU/HSW, 1 GBCI CE Hour, & 1 IIBEC CEH

### Learning Objectives:

- Learn how the use of metal as a cladding component may contribute to carbon neutral and net zero building goals
- Learn how metal walls can use sunlight to provide the building with solar air heating
- Discover how metal cladding on roofs and walls can contribute to green building objectives, including LEED Certification
- Explore cutting edge cool roof technologies, including UV reflective pigments and above sheathing ventilation
- Understand how metal roofing can provide a solar ready platform for photovoltaic systems

## Today's Architectural Metals for the Interior World

Provider # J447 | AIA/CES Course # TAM0423

1 LU/HSW | 1 IDCEC CEU | IDCEC Course # CEU-119123

### Learning Objectives:

- Examine the cost effectiveness of aluminum, as well as its sustainable nature and green attributes
- Understand the options of colors and textures available in today's architectural metals
- Illustrate creative intuitive metal usage in walls, ceiling, and accents replacing old construction methods
- Explore how metal can enhance an interior environment with beauty, strength, and resilience

# PLANT TOURS



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## Plant Tour of a Facility which Manufactures Building Envelope Components from Metal

Provider # J447 | AIA/CES Course # PTM022 | 1.5 LU/HSW

Tour held in Allentown, PA or Mesa, AZ

Participants in this plant tour will experience first-hand the processes in which metal components for the building envelope are manufactured.

## BRIGHTSMITH COATERS

### Plant Tour of a Metal Coil Coating Facility

Provider # J447 | AIA/CES Course # PTC0222 | 1.5 LU/HSW

Tour held in Morrisville, PA

Participants in this plant tour will experience first-hand the processes involved in the coating of metal coils.

# CONTRACTOR INSTALLATION SEMINARS

## In-Person Installation Seminar

Held in Allentown, PA; Mesa, AZ; and University Park, IL

### Learning Objectives:

- Education on ATAS specific wall panels
- Common substrates to which panels are applied
- Tools recommended for panel installation
- Factory Tour - View and understand how the systems are made

**REQUEST A SEMINAR &  
FIND ADDITIONAL INFORMATION:  
[WWW.ATAS.COM/EDUCATION](http://WWW.ATAS.COM/EDUCATION)**

● Course is available online