



**ATAS International, Inc.**  
Sustainable Solutions For A Better Future



**AIA**  
Continuing  
Education  
Provider

GBCI

**IDCEC**  
INTERNATIONAL DESIGN  
CONTINUING EDUCATION COUNCIL



## AVAILABLE SEMINARS

### Sustainable Building Envelopes:

#### Harnessing the Power of Metal in Modern Architecture

Provider # J447 | AIA/CES Course # SBE0225 | GBCI Course # 0920032397

**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

#### Reducing Operational Carbon Emissions and Increasing Energy Efficiency with Solar Air Heating

Provider # J447 | AIA/CES Course # RCO0425 | GBCI Course # 0920032401

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

#### Learning Objectives:

- Discuss solar air heating principles and how they contribute to a sustainable building.
- Explain how energy efficient transpired solar collectors function and the design considerations.
- Recognize how outside ventilation air is preheated and brought into a building, improving indoor air quality.
- Realize the operating carbon reduction of a building with the use of transpired solar collectors.

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

Provider # J447 | AIA/CES Course # BBU0625 | GBCI Course # 0920032400

**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 # IMP0525 | GBCI Course # 0920032399

**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).

#### Designing for Acoustics Utilizing Interior Metal Panels

Provider # J447 | AIA/CES Course # DAU0325

**1 LU/HSW & 1 IDCEC CEU | IDCEC Course # CEU-123606**

#### 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 of metal panels to provide acoustical treatment within a given space

#### Today's Architectural Metals for the Interior World

Provider # J447 | AIA/CES Course # TAM0426

**1 LU/HSW & 1 IDCEC CEU | IDCEC Course # CEU-123608**

#### Learning Objectives:

- Explore how metal can enhance an interior environment with beauty, strength, resilience, and sustainability
- Learn about innovative and intuitive uses of metal in interior wall systems and ceiling assemblies, with emphasis on improving durability, occupant safety, and overall building performance compared to traditional construction methods
- Understand the options of colors and textures available in today's architectural metals
- Examine how acoustical sound control can be achieved by utilizing metal wall and ceiling panels

#### 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

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

Provider # J447 | AIA/CES Course # MCT0425 | 1 LU/HSW

### 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

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

Provider # J447 | AIA/CES Course # PEM0325 | 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

## Metal Roofing: Proper Design for Performance in High Wind Regions

Provider # J447 | AIA/CES Course # MRP0125 | 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

## Metal Roofing: History, Material, and Application

Provider # J447 | AIA/CES Course # MRH0425 | 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

## Demystifying Rain Screen Concepts Utilizing Metal Wall Panels

Provider # J447 | AIA/CES Course # DRS0226 | 1 LU/HSW & 1 IIBEC CEH

### Learning Objectives:

- Differentiate between the primary types of rainscreen wall systems by evaluating their components, attachment methods, and performance characteristics in commercial building applications.
- Explain the critical role of air and water resistance barriers in rainscreen assemblies, including how proper selection and installation impact energy efficiency, moisture management, and overall building envelope performance.
- Define the principles of continuous insulation and assess its integration within rainscreen wall systems to reduce thermal bridging and improve compliance with current energy codes.
- Analyze how insulated metal panels can simplify rainscreen design by consolidating multiple envelope functions, and evaluate their effect on construction efficiency, thermal performance, and long-term durability.

## Architectural Metal Plate Systems: Durable Design for Today's Buildings

Provider # J447 | AIA/CES Course # AMP1125 | 1 LU/HSW & 1 IIBEC CEH

### Learning Objectives:

- Recognize what defines a metal plate system and how it differs from other metal wall assemblies
- Identify material and finish options for architectural metal plate and learn about applications and installation techniques
- Explore the performance attributes and design advantages of plate systems
- Discover how metal plate contributes to sustainable and resilient building envelopes

## PLANT TOURS



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

Provider # J447 | AIA/CES Course # PTM0225 | 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.

### Plant Tour of a Facility which Manufactures Architectural Metal Plate Systems

Provider # J447 | AIA/CES Course # PTP0326 | 1.5 LU/HSW

Tour held in Elkton, MD

Participants in this plant tour will experience first-hand how architectural metal plate systems are made.



### Plant Tour of a Metal Coil Coating Facility

Provider # J447 | AIA/CES Course # PTC0225 | 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)**