



**NEW MILLENNIUM**  
BUILDING SYSTEMS  
**Building a better steel experience.**

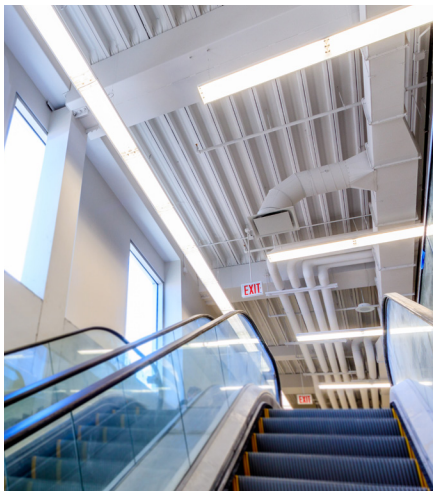


## DESIGN IDEAS

June 18, 2017

# Transform Your Projects: Profiles in Steel

Airports. Warehouses. Convention Centers. Stadiums. No matter how big or small your construction project, today's structural steel building systems can provide innovative, sustainable, and cost-effective solutions. And to make sure you know about the newest options, New Millennium has developed a new one-credit, continuing professional education course called, "Profiles in Steel."



*The raw, industrial look of an overhead painted and exposed steel joist/deck system, with pipes and HVAC ductwork woven through the joist diagonal web members, can often support both the roof of a building and the brand image of the occupying business.*

Our latest course, developed as an easy-to-read article, will enable you to:

- Identify the trends in the market that are driving structural steel building system innovation
- Recognize how changes in the definition of sustainability bring deeper evaluations of cost and performance, with greater opportunities for improved project delivery
- Know your steel building system options based on their structurally engineered distinctions, attributes, and optimal applications
- Determine the prevailing design and engineering criteria for a given project to arrive at the right steel building system for that project

### Modern Industrial Design

The new "Profiles in Steel" course will help to demonstrate applications in which the use of exposed structural building systems can contribute to raw and edgy design. This industrial look is gaining popularity in many structures, such as restaurants, retail spaces, and urban multi-story business campuses. But the advantages of the look are far more than just aesthetic. Lower total-project cost is another benefit. For example, rather than cover up the underside of a steel joist and deck roof system with an acoustical drop ceiling, the steel deck itself can be acoustical.

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Use of architectural deck at this stadium reduced cost, added to the aesthetic of the facility, and improved the overall sustainability of the project by reducing secondary materials.

## Redefining Sustainability

Another topic addressed in the new Profiles in Steel course is sustainability. Sustainable design is cost-effective design across the entire cycle, from concept to building afterlife. The right steel building system can contribute to energy efficiency in several ways, such as the creation of more open building spaces to support efficient daylighting and airflow. Material reduction is also a clear outcome of the increased focus on sustainability. The use of secondary materials, added to conceal primary structural materials, will now increasingly come into question. Avoiding the costs associated with low function and mainly decorative added materials will appeal to building owners immediately, and contribute to a healthier environment long-term.



## Understanding Your Options

Take the Profiles in Steel course to increase your knowledge of the trends in steel joist and deck systems today. At the end of the course, you will be able to take a quiz, print out a certificate of completion, and receive AIA/PDH credit.

Register today at <http://v1-education.com/course/profiles>



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[www.newmill.com](http://www.newmill.com)