

# AN INNOVATION IN COMPOSITE FLOOR SYSTEMS

## Engineered for Speed, Strength, and Safety

Vescom offers outstanding structural performance with its unique mechanical connection between the joist and concrete, setting it apart in the market. The single structural floor system offers quality, affordability, and versatility.

## COMPOSITE FLOOR SYSTEM FOR MULTI-STORY STRUCTURES

Since 1982, the Vescom Floor System has been installed on hundreds of projects across North America for all types of multi-story residential, institutional, health-care, and commercial buildings.

Vescom's inverted top chord was developed to form a mechanical bond with the concrete slab using a deformed vertical leg. This allows Vescom to differentiate from competitors and offer a simpler solution.

This unique design creates a superior lateral diaphragm action resulting in less deflection, vibration, and bounce plus greater stiffness, making it the superior composite floor system in the industry.

## THE VESCOM ADVANTAGE

### Cost-Saving Design

Greater spans, wider spacing, less on-site labor, and ease of erection offer faster and more efficient floor construction, reducing erection time and costs.

### Top Industry Fire Ratings

With one layer of sheetrock, UL ratings have up to 3 hour assemblies and accommodate Type I and Type II construction requirements with liberal allowances for unprotected openings.

### Acoustical Considerations

Floor assemblies reduce both impact sound (IIC) and airborne sound extremely well. A finished residential building commonly receives STC values of 57 and IIC values of more than 51.

### Effortless Installation

The flush seat and lack of bridging make joist installation fast and easy. The lightweight and easy to handle short deck sheets offer an efficient and safe installation process.

### Adaptability & Flexibility

The system integrates seamlessly with other structural components and mechanical systems, as well as adapting to any architectural requirements.

### Composite Design

100% composite connection allows for rigid floors, minimum deflections, longer spans, and shallower joists.

### Adaptable Design Possibilities

Special architectural and mechanical needs can be met by easily changing direction of joists due to the unique flush seats.

### Design Support Made Simple

A dedicated team of experts ensures the success of every project from inception to completion.

## VESCOM IS THE PREFERRED FLOOR SYSTEM FOR:

- Senior Living and Nursing Homes
- Apartment Buildings
- Condominiums
- Student Housing
- Hotels and Resorts
- Medical Facilities
- Office Buildings
- And Many More Structure Types



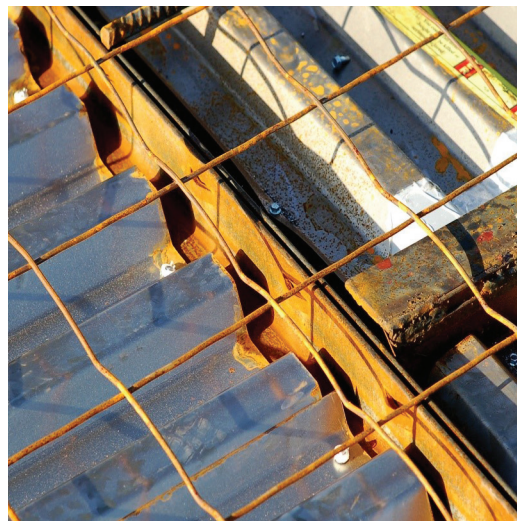
# THE VESCOM ADVANTAGE IN THE FIELD

## Quick & Easy Installation

The Vescom installation process emphasizes both speed and efficiency by using fewer components and less manpower than other floor systems. With CSC's experienced team, the most complex projects can be easily tackled. No scaffolding, bridging or temporary supporting members are required, and all work is done from above as the erection crew lays its own working platform. Additionally, the Vescom Floor System can be installed in any region, going up to four levels without having to pour the concrete. This offers a significant advantage for projects built in cold weather with a tight schedule.

# VES COM

FLOOR SYSTEM



## VESCOM'S SIMPLE ERECTION PROCESS

1. Bays are framed with steel or walls, and bundles of joists are placed.
2. Joists are spread to the required spacing—no bridging required.
3. Pre-cut decking is easily placed between joists.
4. Decking is attached by shot pins, screws, or welding.
5. Mesh is rolled into place. The unique top chord design eliminates the need for high chairs.
6. Concrete is placed.

*No stripping of forms or removal of system components needed.  
The metal deck is a permanent form!*

Learn more about our quick and easy installation process



Contact us for more information

Email us at [sales.buildingsolutions@cscsteelusa.com](mailto:sales.buildingsolutions@cscsteelusa.com) or give us a call at 1-833-888-0545 to discuss your next construction project.



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