

**CFS IN
THE FIELD
GRAND STEEL
STEEL SERVICE
CENTER
WIXOM, MI**



Grand Steel is a flat rolled steel service center and steel distributor that services a wide range of customers across the globe. When designing an expansion of their Wixom, Michigan facility, Grand Steel management collaborated with Concrete Fiber Solutions to engineer a floor that would meet their unique demands: the storage of steel coils that, when placed one on top of another, weigh as much as 95,000 pounds. The new floor features more than 30,000 pounds of CFS Type II steel fibers.

For more information on CFS products, please contact our sales team:

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PROJECT DESCRIPTION

CFS partnered with ACS Build, Inc. to install an 8" slab floor in the warehouse's new addition, featuring 35 pounds/yard³ of CFS 100-2 steel fibers. The use of steel fibers in place of wire mesh or rebar was critical to add increased strength and stability to the warehouse floor, which must support steel coils that weigh 45,000 - 50,000 pounds each and are often stored in stacks of two.

THE OUTCOME

CFS professionals worked closely with ACS Build and Grand Steel to ensure the warehouse flooring would not only meet their significant load-bearing needs, but also withstand the intense wear and tear of warehouse equipment. Using fibers distributed evenly throughout the concrete matrix to meet micro cracks where they originate improves the strength and longevity of the concrete slab. "The weight of our coils and the heavy-duty equipment we use to transport them mean our warehouse flooring is really put to the test," said Jim Barnett, CEO of Grand Steel. "The new floor looks absolutely perfect and it's comforting to know it's been designed to withstand our level of use and hold up over time."

PROJECT OVERVIEW

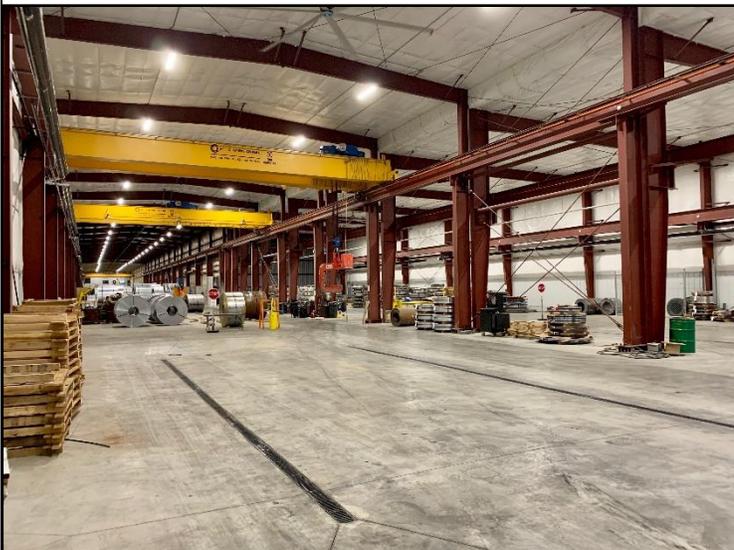
General Contractor:
ACS Build, Inc., Wixom, MI

Slab Thickness: 8"

Fiber Dosage:
35 lbs/yd³

Floor Size:
35,000 sq. ft.

Loads:
up to 95,000 lbs.



"The concrete fiber industry continues to expand rapidly as engineers and contractors see first-hand the superior performance of fiber-reinforced flooring," said Mike McPhee, manager of sales and engineering for Concrete Fiber Solutions. "Grand Steel's intense weight-bearing needs are a prime example of the benefits of fibers, and we're proud to offer them a solution that will serve their needs for years and years to come."