



## SETTING THE STANDARD IN CONCRETE CONSTRUCTION

FOR THE PAST TWO DECADES we have worked hard to solidify our reputation as a top quality concrete company. We value our customers and work hard to develop meaningful and lasting relationships. It is our priority to ensure that every job is performed to meet and exceed the needs and expectations of our customers. We believe that this is achieved through the use of advanced technology, innovative practices, and qualified employees. We employ several ACI (American Concrete Institute) certified finishers and OSHA trained and certified employees. In an ever changing industry, we continue to research new and more efficient ways to be productive. This has allowed us to stand tall in our competitive market.

- DESIGN BUILD
- FINE GRADING
- LASER SCREEDING
- SLAB ON GRADE
- FOUNDATIONS
- CIP WALLS



**HCC HEARTLAND**  
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At Heartland Concrete & Construction we are committed to being a leader in concrete construction. We believe that technology has revolutionized our industry and we are proud to offer the most-up-to-date machinery, equipment, and practices.

**Universal Total Stations** - At the forefront of concrete technology is the use of Universal Total Stations. Total Stations are, by far, the most accurate way of surveying and taking measurements as they are accurate to within 3 millimeters (the thickness of a quarter). Total Stations communicate with a prism and the use of a hand held computer utilizing project CAD files to allow users the availability to coincide printed and actual locations. Essentially, through the use of our Total Stations, our users are able to locate any spot on the blueprint and pinpoint the exact spot in the field (such as building corners, anchor bolt locations, wall, footing, curb lines, drain, light pole, plumbing, and electrical locations). Virtually anything that is on a set of blueprints can be located in the field without using a single string line, tape measure or transit.

**Translation** - While working as a sub-contractor, this allows us to be very productive. It allows us to show up to an empty site and initiate digging footings or setting forms within minutes. For you, this means no more waiting for surveyors, setting batter boards, or pulling string lines. Most importantly, it saves money. As the Total Station allows us to implement your layout, you will not have to hire a survey company to lay out building corners, anchor bolt locations, or set offsets for paving lines or sidewalks. As we are able to view the project in the Total Station software (Trimble 3D Business Center), we often spot problems before we ever arrive at the job site and have noticed a significant decrease in rework scenarios. Again, this saves money, but also time.

**Fully Integrated** - Not only do we use Total Stations to do all of our own surveying, all of our machines are integrated with 3D machine control. In 2012 we contracted NMC Technology and Trimble to design a 3D Grader with automatic machine control that would mount to a Bobcat Track machine making us the first to implement such practices in North America. After some testing, we introduced the grader into the field the following spring. We are now able to efficiently fine grade building pads, paving, sidewalks, sporting fields or any other application that requires extreme accuracy of less than 1/8 of an inch. The grader is capable of handling 50,000 square feet, or more, in less than a day. With this setup, we are able to get into much tighter locations where big machines and GPS are typically not capable of going, including inside buildings.

In 2015 we purchased the first Somero S22E laser screed in the Midwest. The S22E is the most technologically advanced Laser Screed model available in the world. It has allowed us to make pours of 1,000 yards or more and pour floors with F numbers of over 100FF and 125FL. We also have a Copper Head XD which allows us to be extremely accurate on smaller pours where the S22E will not fit.

**Our People** - Our most valuable asset is our people. We believe strongly in safety and contract a third party safety company to ensure our people are properly trained and comply with OSHA and the most stringent safety requirements. We also require our supervisors, field foremen, and finishers to be ACI certified. We conduct regular reviews and training to ensure they are up to date on current codes and regulations and have a very good knowledge of the ACI handbook that regulates our industry.

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