



Rushmore Plaza Civic Center Expansion Project

Team Member Profile



Mike Harvey
Perkins + Will

Michael's technical abilities and attention to detail makes him a natural for leading large, complicated projects. With design and management expertise on more than two dozen arena projects, he has a comprehensive understanding of spectator venue design. Having worked on multiple large-scale arenas and event centers across the continent, Europe, and Asia, Mike is always on the cutting edge of arena trends and truly understands the challenges owners and managers face in building and operating world class facilities.

Some of his notable projects include the Bell MTS Centre in Winnipeg, Manitoba, Canada, the Ülker Sports Arena in Istanbul, Turkey, the Target Center Renovation (Home of the NBA Minnesota Timberwolves), the Saint Louis University Chaifetz Arena in Missouri, and the Denny Sanford Premier Center in Sioux Falls, South Dakota.

In 2008, Michael was a guest speaker for the annual Global Spectrum Conference where he presented one of his most notable projects, the Saint Louis University Chaifetz Arena.

Mike is from Sioux Falls, SD and graduated high school from Lincoln High School. He graduated with a Bachelor of Architecture degree from Iowa State University in 1994.

Perkins + Will Architects

Based in Chicago, Perkins+Will is recognized as a national design leader in mixed-use arenas across the United States and the world. Perkins+Will has created innovative and award-winning designs for numerous facilities including the Target Center Renovation (Minneapolis), Denny Sanford PREMIER Center (Sioux Falls), Cedar Park H-E-B Center (Cedar Park, Texas) and South Dakota State University Frost Arena (Brookings). Founded in 1935, the company has worked on six continents, on more than 55 arenas and event centers, and more than 50 nationally award-winning sports projects. Perkins+Will was ranked as one of the top five sports architecture firms and as the number two design innovation firm in 2017 by Building Design & Construction and the number two architecture firm in the country by Interior Design Magazine.

DESIGN



WHAT IS SCHEMATIC DESIGN? Options Options Options

Think of it as buying a new home or car. There is a preapproval that sets the limits for what you can get. When you buy a home the bank sets your preapproval rate. For our preapproval is \$130 million set by the funds allocated to this project. We have to construct what we want within that limit. How we do that is by prioritizing options that are important to us but not exceeding the budget.

Next, let's switch gears to when you buy a new car. You start with a base model and then add options that are important or provide value based on your budget. Schematic design lays out our options for pricing so that we can mix and match options. Like a car, we want to be energy efficient, have the cool gadgets that make a new car exciting and still be fully functional. We would like the best of the best but we may need to compromise on some things to accommodate others.

The page turn that we received in September lays out the options for the new building. The next step is to assign pricing to each of those options. We should have pricing back on these options later this month.



"We'd like to express our heartfelt thanks to the voters of Rapid City for making their voices heard on this important topic. This expansion is going to better serve our community, allow our events to grow and open the door to new opportunities."

-Craig Baltzer, Rushmore Plaza Civic Center Executive Director

Project Update: Committees

- Committees are to be announced later this month, October 2018.

DESIGN TIME LINE Schematic Design

- The project team determines the areas, physical requirements, and relationships of all the required building spaces and components. The team confirms or revises the total building square footage, the project schedule and occupancy dates. The purpose of schematic design is to translate the project program into physical drawings of space. This phase includes complete descriptions of building systems (structural, mechanical, HVAC and electrical), interior and exterior finishes and the building site as well as strategies for technical requirements.
- **STATUS: ALMOST DONE**

Design Development

- Design development collects the results from the schematic design phase and takes them one step further. This phase involves finalizing the design and specifying such items as materials, window and door locations and general structural details.

Design development usually yields a more detailed site plan as well as floor plans, elevations and section drawings with full dimensions.

- **STATUS: WINTER 2018**

Construction Doc's & Bidding

- The construction document phase produces drawings with much more detail, which are used for the construction of the project. These drawings typically include specifications for construction details and materials. Once the CDs are completed, the architects send them to contractors for pricing or bidding as well as to the building department for required permit approvals.
- **STATUS: SPRING 2019**