Safety
As the HCMC Clinic and Specialty Center transitions from primarily concrete structural work to enclosure and interior work, the types of injury risks change. With more use of hand tools, the risk for cuts, pinches and fractures of hands and arms increases. Training and reminders to plan work and know what tools and safety equipment is needed, what things might pose hazards and good communication on the jobsite are important in preventing these types of injuries. Tool tethering is an important aspect of using hand tools on upper levels, ladders, and lifts. Securing tools with a variety of devices can prevent them from falling and potentially injuring someone below. Daily communication of what kind of work is taking place is key to keeping everyone safe throughout the day. Make every day a safe day.

Stay up to date on the progress of the new HCMC Clinic and Specialty Center via the webcam.
http://www.earthcam.net/projects/mortenson/hcmc/

Project Overview
As the final major concrete pour completed on September 30th, the project now transitions focus to the exterior enclosure and interior rough-ins. The building is at it’s highest point with all six floors poured out and the structural steel for the mechanical penthouse under construction. With the tunnel below ground and the skyway above ground, the connections between the existing building and new building has become more obvious. Interior framing of walls is starting to give shape and dimension to several of the many clinical areas that will be housed in the building. Glass curtainwall and windows are being placed on all sides of the building. Precast and stone work continues on the exterior adding contrast in materials and design. Mechanical and electrical work is taking place throughout the building with duct work, wiring, piping and placing of equipment including generators. It is anticipated that the building will have permanent power in early November. These are the inner workings of every building that typically customers and most employees never see, but are key to keeping the building running smoothly.

Currently 32 different contractors and over 300 craft men and women are working on the project.

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Welcome New Team Members...
Ted Choudek, MEP Engineer Intern
Ted is a senior Mechanical Engineering student at Iowa State University. He grew up and currently lives in Prior Lake, MN. As a loyal Minnesota sports fan, he supports the Vikings, Wild, Twins and Wolves. Winter hobbies include ice fishing and snowmobiling. He is becoming acclimated to the fast pace of the Industry and applying classroom knowledge in the field. Ted is interested in learning as much as possible about the construction industry from an engineering standpoint.

Terry Johnson, Superintendent
Terry joined the HCMC Project team right after Labor Day. He has been with Mortenson since 1981 when he started as a carpenter apprentice. He has worked on a number of projects including TCF Bank Stadium and several healthcare facilities. His role on this project is superintendent of enclosures.

Terry has been married for 23 years and has 4 daughters. He enjoys spending time with his family and the girls many sports activities.

Stretch & Bend with HCMC Physical Therapy Staff
An important part of the Mortenson Zero Injuries safety program is the stretches before starting work in the morning and again after lunch. Some studies indicate that stretching increases blood flow, flexibility, and range of motion in joints, all of which can help to reduce the risk of injury. In September, HCMC physical therapy staff joined the workers on the jobsite to talk about the importance of preparing for physical activities and proper body mechanics. They will lead the stretch exercises the first Wednesday each month after lunch and provide ongoing education and training for workers.
**MEP Prefabrication**

An increasingly common trend in construction is prefabrication. Building parts of systems off site allows better control of quality in a predictable, workshop environment, increasing safety and productivity. Harris Companies used prefabricated pipe risers, duct risers, pipe racks, and skids of pre-mounted equipment as much as possible to meet the fast-paced schedule of this project. This effort starts in the 3D coordination phase, as the detailers draw the systems to not only avoid clashes, but optimize opportunities to rack systems together.

The first week in October, Harris arrived on site with their pipe riser that would bring the chilled water and steam up from tunnel level to the penthouse where the bulk of the mechanical equipment sits. The pipe risers were split into two pieces, each over 50 feet tall and weighing over 13,000 lbs. Both pieces were set in one day. After the pipe risers were set, Harris brought in duct risers for the four main shafts in the building. The duct risers, extending from third floor up to the penthouse, were split into two pieces per shaft.

Watch for more prefabrication efforts by Harris and other trade partners as the project progresses!

**Checking Out the Progress**

As the new HCMC Clinic and Specialty Center takes shape, there have been a number of groups requesting tours to see first hand the progress being made. HCMC staff have been able to walk through the space they will be occupying and give them a visual and assist them in planning how they will function in that space and engage with patients.

Several of our partners have also toured the building. This is a great opportunity for interns from not only Mortenson, but our architectural and engineering partners. Enabling students to see first hand how the building is constructed provides them a hands on experience to compare what they’ve learned and viewed on drawings to the actual structure in the field.

Thirty HCMC Alumni members and staff toured the new facility on September 22nd. Their guide, Project Manager, Bryan Gingerich, provided details of the construction and answered questions about the new facility.

**HCMC Alumni Tour**

**Skyway Tie In**

On October 2nd the Minneapolis skyline got a new addition as you look down 8th street at the skyway that will connect the new HCMC Specialty Clinic Building to the existing HCMC Hospital was set. This heavy task involved closing down 8th street for a weekend to set the steel. The 205’ long by 17’ wide steel framed structure consists of approximately 160,000 pounds of steel that was set with a combination of 4 cranes that set and hold the large, heavy steel sections. The main truss sections that were set over 8th street were put together on the ground with full penetration welds and then lifted into place. Those full penetration welds consist of 16’ of welds in each of 4 locations on the chords. That being said, there is 64’ of weld holding together roughly 95,000 pounds of steel which would be the equivalent of welding 4 1/2 city buses together. Not to worry, they all passed the certification.

Anytime you set an elevated structure over any area, the careful and detailed planning of all aspects needs to be taken into account. Most of the planning and decision-making started in June of how and when to set the skyway and revolved around pedestrian and vehicular traffic, and hospital operations. That planning allowed us to set the skyway safely and well within the standards for steel erection. As it sits right now, the skyway is within an 1/8” in the east-west direction and a 1/4” in the north-south direction of where it is shown per the construction documents. Great team work and coordination by the hospital and the teams who worked long hours over the weekend to ensure the safety and security of everyone involved.

**HCMC Orthopedics Staff**

**Nearly 300 individuals have toured the project site since May.**

**Dunham Engineering Interns**

**HCMC Alumni Tour**

**64’ of weld holding together roughly 95,000 pounds of steel which would be the equivalent of welding 4 1/2 city buses together.**