

Community Hospital Emergency Department Contractor Listing

➔	Architect/Design VOA Associates, Inc.
➔	General Contractor Berglund Construction
➔	Layout/Survey Falk PLI Engineering & Surveying
➔	Dewatering Mersino Dewatering, Inc. Precision Control Systems
➔	Earth Retention Thatcher Engineering
➔	Concrete Smith Ready Mix
➔	Masonry Colvin Masonry Evans Limestone
➔	Waterproofing E.C. Babilla
➔	Glass/Glazing Harmon, Inc.
➔	Electric EMCOR/Hyre Electric
➔	Plumbing Gatlin Plumbing
➔	HVAC & Temp Controls Mechanical Concepts, Inc.
➔	Piping & Medical Gas Arctic Engineering
➔	Elevator & Escalator ThyssenKrupp Elevator Corp.
➔	Fire Protection McDaniel Fire Systems
➔	Doors/Frames/Hardware The Lazzaro Companies, Inc.
➔	Flooring Master Tile
➔	Painting Stan's Painting & Decorating
➔	Asphalt Paving Rieth-Riley Construction Co., Inc.
➔	Fencing Security Industries, Inc.
➔	Scaffolding Safway, Inc.



Evolution of Emergency Care

Not every medical expansion or medical improvement is considered transformational. But Community Hospital's new \$32 million Emergency Department (ED) in Munster is a project that significantly advances the medical environment of northwest Indiana. State of the art emergency room care, new diagnostic and medical treatment equipment, additional private rooms and a more patient-centered focus are the vital elements that constitute the ED and add up to among the most dynamic health care environments in northern Indiana.

"We're thrilled," Community Hospital CEO Don Fesko said.

"It definitely raises the bar in northwest Indiana for emergency department care. No other hospital in northwest Indiana can compete with this."

The Need

Hospital officials said based on the escalating consumer medical demand, the expansion project became a necessity. A year after the original emergency department opened in 1979 there were a total of 8,000 patients who received care. Since that time, the ED underwent only one minor expansion, and yet the patient demand has kept growing. An enlarged facility has become

necessary. In 2008, the ED patient number ballooned to 49,000 with only 24 trauma rooms to accommodate the growth. The new facility will have the capacity to accommodate up to 100,000 patients annually.

"Our hospital has been successful and we put back any money into the facility, new equipment and staff in order that we provide the best medical facility for our customers and the best working conditions for our staff," Fesko said.

The Layout

The expansion delivers top notch care more efficiently and provides much improved accommodations.

Construction of the two-story ED pavilion and redesigned west pavilion entrance took 19

Key Facts:

- 30 new treatment rooms
- ED treated **8,829** patients in 1979;
49,463 patients in 2008
- ED staff has **1,045** years of combined experience
- Every ED physician is **board certified** in Emergency Medicine

months to complete and included 60,000 square feet of new space. The new ED makes up the first floor of a two-story pavilion built across the front of the hospital's west pavilion, encompassing two new entrances, one for walk-in patients and the other for emergency vehicles.

The entryway to the ED is spacious and contains a light-filled lobby and family lounge. It's common for hospitals to have cubicles for check-in at an ED. However, patients at Community Hospital's ED are taken directly to their own private room for check-in and treatment.

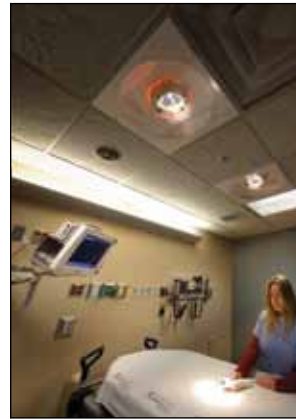
The 30 trauma rooms are outfitted with medical equipment that allows the rooms to serve as surgical suites. Rooms are equipped with technology that can detect conditions affecting the heart's function. Medical professionals can perform the EKG in every room enabling a quicker patient assessment. Wireless technology also provides staff to monitor a patient's condition as the person is moved throughout the department. And with a click of a button, medical results can be sent



The front nursing station is centrally located



A built-in tube system sends tissue and blood samples to laboratory



Specialized lighting for enhanced visualization

instantly to cardiologists.

In terms of patient comfort, the spacious rooms enable family members to stay together with the patient. They are divided by walls and can be closed off for privacy by a glass door and curtains.

The ED also features a maternity room with a private bathroom along with a decontamination room for treating people exposed to hazardous materials.

Because every second is precious in a medical emergency, several new efficiencies were implemented to save valuable time in the medical reporting, diagnostic and treatment process. A tube delivery system allows staff to send tissue and blood samples to the laboratory for analysis instead of having to transport them by foot. In turn, the hospital pharmacy can quickly send medications back to the ED through the tube system (comparable to a bank drive thru). Rather than transferring patients to another wing of the hospital for diagnostic work, the ED is equipped with a 64-Slice CT Scanner and digital x-ray technology.



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What exactly did it take to construct the new ED?

- **89,000** pounds of sheet metal
- **55,600** square feet of wallpaper
- **90,000** square feet of sound insulation
- **42,000** square feet of acoustical ceilings
- **2,237** light fixtures
- **15,000** square feet of ceramic tile
- **9,000** square feet of carpet
- **33,000** square feet of vinyl tile
- **16,530** lineal feet of mechanical piping
- **140,000** lineal feet of conduit
- **574,000** lineal feet of wire
- **222,000** square feet of drywall

parking was offered. Additionally, the hospital's west parking lot became the construction material/staging area and the east side served as the entrance for patients and employees.

Community Hospital and general contractor Berglund Construction worked closely together to address all issues.

"Community Hospital carefully considered all operational issues related to the efficiency and quality of patient care for the unit, access to the rest of the facility and creating an environment that was comfortable for patients and staff," Gorski said.

A unique challenge was presented in constructing a link that ties the new addition into the balance of the hospital at three different floors. The crane's lifting radius was 300 feet because of the distance in which heavy materials had to be moved. This distance presented a significant hurdle for hoisting façade panels and other building materials that were more than 7,000 pounds. That is a lot of weight to carry over a great distance along with the added

obstacle of hoisting materials 50 feet in the air. Due to the crane movements and the proximity to the Lansing Municipal Airport, Community Hospital had to secure approval from the Federal Aviation Administration. Safety codes required lowering the boom crane every evening. Additionally, since there was so much vertical construction requiring the use of cranes, careful planning and coordination was given to not impact overhead electrical transmission lines and underground natural gas transmission lines and simultaneously maintain safety for work crews, staff and patients.

"We are very proud to be a part of this project. What a world-class facility – from the sense of quality, technology and patient care. This is truly an asset to northwest Indiana," Gorski said.

The new facility raises not only the quality of care, but also the quality of life. The hospital's commitment to patient-focused health care, marked by increased efficiency, convenience and medical technology, raises the bar on health care quality for the betterment of northwest Indiana. ♦

Construction Time

Health care facility construction is unlike most other building projects.

"The detail, systems and codes are much more stringent than any other commercial building. Quality control processes and infectious control are key elements while constructing a project for the health care environment," said Bill Gorski, Vice President, Building Division, Berglund Construction.

At peak work periods, there were approximately 100 people involved in the construction process. Weekly and daily meetings were held to address safety and coordination issues.

The project's biggest challenge came in the form of site logistics, including the difficulty of building a facility around an open hospital. Whenever there's a large medical facility expansion, meticulous attention has to be given to maintaining current hospital services. Patients demand they still adequately access medical services regardless of the size and scope of the construction project.

To accommodate patient traffic and still meet construction project needs, the patient waiting area and check-in process was reconfigured and complimentary valet

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