

ETI exclusive

A salute to our veterans

In honor of Veteran's Day, Engineering Technologies, Inc. (ETI) salutes our members of the armed forces. Our nation must never forget our veterans are the reason we enjoy the freedoms we have today. We are proud of our active duty soldiers and our veterans for the sacrifices they have made to defend and promote freedom and democracy. We are equally proud to have three veterans as part of the ETI staff. ▶ Continued on pg. 2



Telecom benefits from the beginning

By Tom Reynolds
ETI Telecommunications Designer

Since joining ETI in March, I have been involved in many different projects requiring the use of a telecommunications professional.

In July, ETI designed a new data center for the Tri County Community Hospital (TCCH) in Lexington, NE which is currently under construction. ▶ Continued on pg. 2

ETI in top 25

In the Aug. 31, 2007 *Midlands Business Journal*, Engineering Technologies, Inc. (ETI) was included in the *Omaha Book of Lists* as one of the largest Omaha Engineering Firms. "We are excited about our growth in the Omaha market and look forward to establishing even better relationships with our Omaha partners," stated Gary Loop, ETI Principal. With a diversified staff of 38 including; ten engineers, a LEED accredited engineer, and a telecommunications designer, ETI is able to complete multiple large and small-scale projects simultaneously.

For more information on the Book of Lists call (402) 330-1760 or visit the *Midland's Business Journal* Web site at www.mbj.com. ▲

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Tom Ernst, PE, Principal



Cpl. Ernst (right) in 1987 with Cpl. Sanchez and Sgt. Chaplick in Subic Bay Philippines.

Tom was a United States Marine from 1983 to 1987. He was with the 3rd Battalion 9th Marines and served as a squad leader in Weapons Company.

Tom Reynolds, Telecommunications Designer

Tom was an Interior Communications, Second Class (IC2) Petty Officer from 1987 to 1993 in the United States Navy. He was stationed on board the USS Midway in Yokosuka, Japan; Suda Bay Naval Station in Crete, Greece and on board the USS Monterrey in Mayport, FL.



Tom Reynolds
1987 Boot Camp
graduation photo

Chris Eldred, CAD designer

Chris was a Specialist with the United States Army, 1st of the 8th Field Artillery from 1992 to 1995. He was stationed in Fort Bragg, NC.



Chris Eldred

Telecom - continued from page 1
The TCCH project is an outstanding opportunity for ETI's mechanical, electrical and telecommunications teams to collaborate and combine their expertise. Because the data equipment has many electrical and mechanical requirements, having a telecommunications designer involved in the beginning stages of the project has proven to be very beneficial.

Developing the electrical, mechanical systems with the telecommunications requirements in mind from the early

“Not only are we able to provide quality solutions but also offer our clients more complete design assistance.”

design phases was essential to giving the Owner a complete and efficient system for the entire facility. Having a telecommunications designer on the ETI staff provides many benefits to our projects. Not only are we able to provide quality solutions but also offer our clients more complete design assistance. If you are interested in learning more about ETI's telecommunications services call, (402) 476-1273 or email treynolds@eti-engineers.com. ▲



Revit, by Autodesk, is architectural building information modeling (BIM) software which allows the user to design with parametric modeling and drafting elements. BIM is a new Computer Aided Design (CAD) paradigm that allows for intelligent, 3D and parametric object-based design. Engineering Technologies, Inc. is currently working on seven different projects utilizing the Autodesk Revit software.

How it works

Revit is a single file database that can be shared among multiple users. Plans, sections, elevations and schedules are all interconnected. If a user makes a change in one view, the other views are automatically updated. Thus, Revit drawings and schedules are always fully coordinated in terms of the building objects shown in drawings.

The benefits of using Revit

When a project database is shared, a central file is created which stores the master copy of the project database on a file server. Multiple disciplines working together on the same project link in the other consultants' databases for verification. Revit can perform interference checking, which detects if different components of the building are occupying the same physical space.

Revit and ETI

Engineering Technologies, Inc. has adopted the use of Revit software because of the benefits it delivers to the Owner and the project. The software allows the engineer to do quick analyses of the building model test models to find the best design that delivers the most efficient system and the best outcome for sustainability. Engineering Technologies, Inc. is currently using the Revit software for many current projects including the Whittier Building renovation project. ▲

Fire Station 1 Grand Island



Architecture firm: Cannon Moss Brygger & Associates (CMBA)

Unique to most fire stations designed, Fire Station 1 uses new commercial technologies including a variable air volume (VAV) system to provide residents with better temperature control.

The garage also uses an in-floor radiant heating system which is one of the first ever to be installed in a fire station garage. With a conventional overhead radiant heating system, a larger amount of time and energy is needed to recover a space to a regular temperature. In-floor radiant heating covers a larger area and is spread evenly throughout the space, making it more comfortable and efficient.

Design awards are currently being pursued for Fire Station 1. ▲

Whittier Building Project



Whittier Building on UNL campus

In July of 2007, Engineering Technologies, Inc with Sinclair Hille Architects and RDG were awarded the \$20.3 million renovation of the Whittier Building on the University of Nebraska – Lincoln (UNL) campus into office spaces for the Nebraska Transportation Center, the Nebraska Center for Energy Sciences Research and a state-of-the-art University Child Development Center. The design team has been challenged by the University to stretch beyond the minimal sustainable design criteria in hopes to become a model facility to exhibit the highest levels of energy and environmental education. ▲

ETI and the Community

ETI provides scholarships for Bright Lights

Bright Lights is a non-profit organization which provides children with unique, motivating, hands-on learning opportunities. Engineering Technologies, Inc. was among 35 businesses that supported the Bright Lights need-based scholarship fund. “Thank you for the scholarship it will be fun! My big brother loves b.l. [Bright Lights] and this summer I get to go too!”, Alivia age 9 wrote in a letter to ETI. Alivia is one of 277 students who received a scholarship. For more information, visit www.brightlights.org. ▲

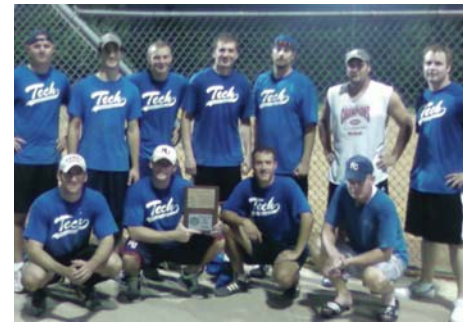
“Campaign Against Hunger”

Engineering Technologies, Inc. (ETI) along with other local area businesses was invited to participate in the “Campaign Against Hunger” for the Food Bank of Lincoln. ETI employees stepped up to the challenge and provided over 1,304 lbs of food, averaging 40 lbs. per person which put ETI amongst the top 10 contributors in Southeast Nebraska. “We are very proud to be one of the leading companies to help satisfy hunger in our community,” said Angela Barry, ETI’s Director of Marketing. “We had

an inner office competition. The teams who contributed the least had to make the winning teams breakfast. It was a great opportunity to work as a team for a good cause.”

If you are interested in learning more about how your company can contribute to the Food Bank of Lincoln, call 402/466-8170 or visit their Web site at www.lincolnfoodbank.org. ▲

ETI softball team brings home the gold



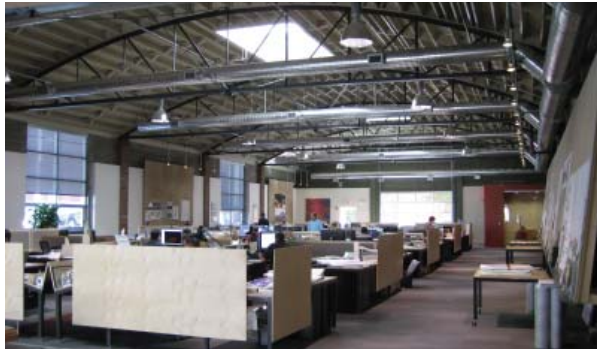
[Pictured left to right: Back row: Jeff Merchant, Matt Panting, Dan Hellige, Tony Dupsky, Quincy Hubbard, “T-Bone” and Tyler Moormeier. Front row: Andy Vinton, Justin Veik, Marty Kasl and Nick Thiele. Not pictured: Tom Reynolds, Derek Kotschwar and Joel Theiman.]

The ETI softball team experienced a challenging season going into the Lincoln Parks and Rec “E-Blue” 2007 Summer Softball Championship tournament 0-10. The losing streak soon changed as they found their groove after the first tournament game. “We were truly the underdog going into the tournament but knew we couldn’t let the company down. It was time to bring home a win,” said Justin Veik, ETI Mechanical Technician and team captain.

After three tournament games ETI was on a winning streak of 3-0. Defeated in game four by the North Side Shockers, the winning spirit wasn’t lost. They continued the winning streak the final night of the tournament winning three games in a row to bring home the championship. “We had played a lot of good games all year and finally the breaks went our way and we got the wins!” stated Marty Kasl, ETI Principal. ▲

Sawmill Building Project

Architecture firm:
BVH Architects



The former Central Plains Millwork complex, located at 8th and "S" Street, at the edge of downtown Lincoln's Historic Haymarket District, was an abandoned historical industrial building. It has since been reclaimed as a mixed use development by WRK LLC of Lincoln.

The project was committed to the standards of sustainable building design and using highly efficient heating, air conditioning and ventilation systems. Throughout the building there is 90% natural day-lighting. Building materials were also recycled using the original steel, wood and brick building materials to reflect the building's character and minimize waste.

With seven new tenants, each having specific mechanical and electrical needs, Engineering Technologies, Inc. faced many unique challenges during the project. ETI was able to accommodate and incorporate all of the unique needs of each tenant into the mechanical and electrical design. The integrity of the original building structure was maintained and was designed for Certification by the Leadership in Energy and Environmental Design (LEED) Green Building Rating System TM and committing to the standards of sustainable design. ▲

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