



**ROMAN
ELECTRIC
CO., INC.**

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“COMMENT”

“As LED lighting and advanced lighting control systems become the norm for new building construction, our company’s field expertise and commitment to continuous training will keep Roman Electric competitive in our market.”



Gabe Rose
Vice President –
Design and Engineering

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Unique New Racine YMCA Features Expansive Indoor Water Park

The \$14 million state-of-the-art Sealed Air YMCA in Racine (8501 Campus Dr. in Mount Pleasant) is a family fitness center with an array of impressive amenities. Its enormous, eye-popping indoor aquatic center features two pools, a large water slide, a lazy river and a splash play area for young children.

The new Y has a huge gym, basketball courts, a running/walking track, a host of cardio equipment, weight machines and free weights, fitness studios, rooms dedicated to spin classes and yoga, and a large drop-off child watch area.

Many Contributions

The imposing facility was made possible through a lead gift from Sealed Air, major gifts from

LEED approved, highly efficient lighting, features many LED fixtures. The water park includes lighting from a linear LED fixture modified to provide indirect lighting – the first such use.



An enormous indoor aquatic center features two pools, a large water slide, a lazy river and a splash play area for young children.

CNH, Insinkerator, Educator’s Credit Union, high performance LED lighting from lighting manufacturer Cree, and hundreds of donations from community residents.

Mortenson Construction was the general contractor on the job, Weas Group was owner’s representative, and Roman Electric Co, Inc. was the electrical contractor. Roman TechNet installed telephone and data

cable networks, CCTV cameras and day care safety systems.

State-of-the-Art Lighting

Another unique feature is the building’s LEED approved, highly efficient lighting, much of it from LED fixtures. The water park includes lighting from a linear LED fixture modified to provide indirect lighting – the first such use.

Basketball courts are lighted with high bay LED fixtures. Site lighting is provided by multi-level LED fixtures adjustable for day and night conditions. The day care entrance is lighted with LED tape that can change colors, strobe, and fade in and out. High efficiency fluorescents light areas without LED lamps.

Doug Hill, Mortenson Sr. Superintendent, said, “Roman was a good company to work with. They did a very good job. They had an excellent foreman and a very good journeyman electrician on the job with me.”

Sealed Air YMCA CEO



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Bradley Grows, Roman Helps

Bradley Corporation, headquartered in Menomonee Falls and known for its circular wash-fountains since 1921, has built a new manufacturing facility in Germantown. The industry leading manufacturer of commercial plumbing fixtures and washroom accessories is the choice of customers from small local facilities to international corporations.

To accommodate growth, Bradley built a new 190,000 sq ft plant at W106 N13500 Bradley Way in the Germantown Industrial Park, with enough space to add another 100,000 sq ft. Manufacturing, distribution and warehouse operations take up 180,000 sq ft with the balance housing mezzanine offices on two stories.

Berghammer Construction Corporation was the general contractor on the job. Zimmerman Architectural Studios was the architect. Working on a design/build contract, Roman Electric installed the main power supply and power to the distribution panels, and lighting for the building interior, exterior and parking lot.

Energy Efficiency

Roman President Phil Rose, who managed the project, said Bradley wanted a very energy-efficient building with reduced energy costs. "We put high bay fluorescent lamps in the manu-

facturing plant and warehouse which are divided into departments," he said. "We installed occupancy sensors in many locations with programmable lighting controls so Bradley could turn lighting on and off as desired. It gives them great flexibility and very energy-efficient lighting."

Bradley Corporation's new 190,000 sq ft Germantown manufacturing, distribution and warehouse facility.



Bradley has high, open ceiling areas in the office with linear fluorescent fixtures that give the space an attractive expansive look while saving energy. "Overall, Bradley beat the state energy use lighting requirements by at least 50%," Phil said.

John Pszonak, Berghammer

The building has an abundance of windows from floors to 30 ft high ceilings. John said the two story windows are unique for this type of building. "Developers don't usually spend this kind of money because glass is basically \$50 per sq ft versus a precast wall at \$18 per sq ft," he said.

Value Engineering Helps

"Roman did an excellent job," John said. "Roman Electric is one of my favorite electricians. They did all the coordination, worked with the owner and provided extensive value engineering. They did a lot of VE to get this project within budget and help make sure the job went forward, changing everything from light fixtures to wiring to scope."

Larry Stover, Bradley Corporation VP Staff Services & Logistics, said, "We appreciated all of Roman's advice and support during our construction. Our employees are enjoying their new building. The lighting looks and works great."

High bay fluorescent lamps, occupancy sensors and programmable controls provide great flexibility and very energy-efficient lighting.



"If you're like us, you're always looking for new ideas, better methods and new business."

CURRENT events

is one way we can show you building developments, new power systems, information technologies, skilled techniques, useful ideas. We want you to remember Roman Electric when you're ready to build or repair electrical systems, computer networks, and voice/data installations."

Old Pabst Tank Storage Building Creatively Converted Into UWM School of Public Health

The old Pabst tank storage building and part of its decaying neighborhood have been creatively restored to impressive use as the UWM Zilber School of Public Health, 1240 N. 10th St.

KM Development was construction manager, Ring & DuChateau LLP was the electrical engineer and Epstein Uhen Architects designed the job. Roman Electric was the electrical contractor. Roman TechNet installed the voice and data systems.

One wall of the storage building was torn down and removed, a 70 ft. addition was added, and the renovation created a good deal of open space and retained many original artifacts. The building was a privately built project sold to UWM upon completion.

Challenging Job

KM Development project executive Jim Theusch said adding an addition to the existing old structure was sometimes challenging. He said the job included lots of energy efficient lighting and electrical systems, with flexible voice and data systems designed for

future use and expansion.

“Roman did an excellent job on lighting and power like they always do,” he said. “They’re very good to work with and very responsive. Their foreman Mike Wileman is very knowl-

The new UWM Zilber School of Public Health had been a Pabst tank storage building in a past life and century. The renovation retained many original artifacts, added more open space, gave the building impressive lighting and power, and installed telecommunications systems designed to handle future expansion.

edgeable, experienced, easy to work with, and a very good problem solver.”

Ring & DuChateau designed the lighting, power, fire

alarms, telecommunications and security so Roman worked according to their specs. Their electrical engineer Chris Ulm said the architect wanted to retain a lot of the building’s texture: old rusted columns, cream city brick, old warehouse walls, broken columns. He said, “They wanted open structures with open ceilings. Coordinating that with ductwork was a challenge.”

Chris said, “Roman did really well. I was very im-

cable pathways on each floor to accommodate the architectural look,” Dan said. “We spent more time planning and installing an extensive network of hundreds of J hook cable supports and 12 in. cable tray support systems than we did installing the data and telephone cable.”

Future Cable Needs

The complex telecommunications system was designed to satisfy current cable needs



pressed with them. They were very professional and Phil Rose was really easy to work with. There was no blame game with them. If a problem came up, they offered a solution. They did a good job and a very clean install.”

Complex Telecommunications System Installed by Roman TechNet

Roman TechNet cable technician/foreman Dan Patterson said the building redesign called for different types of ceilings on each floor which made their job a challenge. Included were wooden panels, soffits, drop tiles, metal panels and exposed ceilings.

“We had to adjust our

Three distribution frame closets are entry and exit points for 17 miles of cable and the complex electrical system.

with ample capability for future expansion. Included were over 17 miles of category 6 cable serving 635 voice/data locations in walls, ceilings and modular furniture, 12 cable TV networks, and cabling for the card access system.

System controls are in the main distribution frame closet on the first floor and intermediate distribution frame closets on the third and fifth floors. They house 100 pair category 5E copper backbones, and 12 strand both Single Mode and 50 micron Laser Optimized fiber backbone cable. The fiber optic cable is armored with a metal flexible protective jacket, color coded to identify the type of cable.

Roman TechNet cable technician Dan Mohorich also helped install cable for the security and fire alarm systems. 

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The jumbo water slide offers pool fun for young and old.

Roman Adapts New Fixtures And Challenging Technology

Continued from page 1

Jeff Collen said, "Our new Sealed Air Branch is really nice. It was a good experience working with the contractors. Roman was great. They were really thorough and took the time to make sure everything was right. Plus we could joke around with them. We developed a great relationship."

Weas Group President Scott Weas said one issue on the project was the extensive use of LED lighting. "Cree Lighting donated the fixtures and were pushing their technological envelope for use on a project like ours," he said.

"That put Roman in the middle of a struggle between new technology, new fixtures, time consuming adaptations

and the impact on project timing/development.

"Roman used their technical expertise to help us overcome the challenges of fitting new technology to a new application, and helped us with a unique supplier relationship because the supplier was donating the fixtures.

"For Roman, Gabe Rose – our Project Manager, and then Phil Rose as company President, stepped in and did a really nice job in a difficult situation.

"In the end, our business expectations were met and it was a great installation of new technology. The LED fixtures are operating fine and meeting all the specs Cree said they would. It's a strong story for Roman and we were happy to have them at our side." 



Basketball courts are lighted with high bay LED fixtures.