

**Projects on the Fast Track**  
**NAZARETH PRESBYTERIAN CHURCH FAMILY LIFE CENTER**

**Renovation • Moore, SC**

Roebuck Buildings recently completed a major renovation to the Nazareth Presbyterian Family Life Center located in Moore, SC. The original building was constructed by Roebuck in 1983 and has been serving the congregation for many years and 26 years later, the church decided it was time for an update.



The top to bottom renovation included a new roof, insulation, heating and air conditioning upgrades along with new light fixtures in all areas except the gym along with necessary electrical updates. The interior was freshened up with new drywall, fresh paint, upgraded ceilings and floor coverings. The restrooms were also upgraded to ADA handicap accessibility requirements. The process took about 4 months to complete and the church is now enjoying their newly renovated church.

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# FOCUS



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*Can we work with you to plan your next Data Center?*

**BMW DATA CENTER**  
**New Construction 7,700 sf**  
**Greer, SC**

Roebuck Buildings has completed the design and construction of a Data Center for BMW Manufacturing in Greer, SC. This new facility provides uninterrupted data service for BMW's operations worldwide and was constructed over a 6 month period. Approximately two months into the construction, BMW determined that they needed the new facility to be operational two weeks earlier than originally planned. Kevin Burton, Senior Project manager for Roebuck, worked closely with

suppliers and subcontractors and delivered a fully operational building to meet BMW's accelerated schedule.

The design was tailored to meet BMW's current needs with the ability to expand the electrical and mechanical systems for future growth. The building consists of a steel frame structure supported by shallow foundations, a perimeter reinforced concrete wall to a height of 5 feet above the main floor level, insulated metal wall panels above the concrete wall and a single ply TPO membrane roof system. The building frame consists of a rigid steel frame spanning approximately 70 feet, thereby, allowing for a completely unobstructed floor area within the entire building footprint. The main floor level is constructed four feet above the exterior grade to prevent water ingress into the facility; however, water detection sensors are installed to detect water if it should enter the building. The computer server area is essentially a building inside a building with a raised computer access floor and a suspended clean room ceiling system. The server room is surrounded by a service aisle which separates the electrical equipment rooms from the server room.

The HVAC system for the building consists of Liebert systems for the computer server room and separate independent systems  
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**ROEBUCK BUILDINGS**  
**GENERAL CONTRACTOR**  
 Roebuck Buildings Co., Inc.  
 PO Box 130  
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- RECENTLY AWARDED CONTRACTS**
- Redeemer Presbyterian Church
  - New Beginnings Baptist Church
  - New Life Baptist Church
  - Rochling Automotive
  - PYA Recovery
  - Martex Fibers
  - Fort Benning Army Base
  - Ron's Automotive
  - Boyd Corporation
  - Milliken & Co.
  - Oconee County Spec Building

**General Contractor**  
 Roebuck Buildings Co., Inc. formed in 1947, is a full-line general contractor specializing in Commercial and Industrial construction throughout SC, NC, TN, AL & GA. In its 63 year history, Roebuck Buildings has earned a strong reputation among Upstate manufacturers including BMW, Michelin, Bausch & Lomb and Milliken & Co.

**Design/Build**  
 Roebuck Buildings Co., Inc. specializes in Design/Build projects. Whether we partner with an outside firm or use our own in-house design team, we can design and build your project to meet your specifications. Time is money. Our Design/Build strategy shortens design and construction time.

**Look for our signs:**

- Westminster, SC
- Inman, SC
- Fendleton, SC
- Moore, SC
- Spartanburg, SC
- Boiling Springs, SC
- Union, SC
- Duncan, SC
- Anderson, SC
- Fort Mill, SC
- Columbia, SC
- Chesnee, SC
- Laurens, SC
- Gaffney, SC

**RJ ROCKERS DESIGN TEAM RECEIVES AWARD**

*The City of Spartanburg's Planning Commission recently presented the "2009 Excellence in Design Award" to the Roebuck Buildings Design Team for their work on the RJ Rockers Brewing Co and The Tap Room at RJ Rockers in the "Category of Renovation and Adaptive Reuse Architecture." This is the 13th year of the award program that features projects that adhere to the high standards of excellence in building design and landscaping, and exceeded City requirements.*



## AEB INTERNATIONAL 12,200 sf Expansion • Duncan, SC

Roebuck Buildings Co., Inc. first completed an addition for AEB International, a major conductor maker for the cable industry, in 2002 which was approximately 50,000 square feet. When Erkan Buykosay, President and owner, decided to expand again in 2009, he again selected Roebuck Buildings for the job. The new 12,200 sf addition needed to be completed in a short time frame to receive new equipment which had been ordered.

The contract was awarded in October with the design, engineering and permit process completed in November. The project was started during one of the wettest winters in recent years, which required the schedule to be modified to erect the building first, so the concrete floor could be poured in the dry. The footings were dug through the existing pavement to reduce the impact of rain. Even though there were many rain days and bad subgrade materials had to be replaced, the project was completed in April of 2010. This schedule was maintained with only minor costs to the owner. The Roebuck Team completed the facility in time to receive the new equipment for AEB International to meet it's commitment of expanded production to the wire industry.

## STATE OF THE CONSTRUCTION ECONOMY

*Time To Build – Dean Anderson, President Roebuck Buildings Co., Inc.*

Roebuck Buildings works hard to be a "Value Added" General Contractor as we work with our clients to be a partner in the development of their business plan. While we study regional and national construction reports that predict various trends, we see they do not necessarily encompass the reality of our local market conditions, which we see every day in our Preconstruction Department at Roebuck Buildings.

Right now is the time to build, with terrific buys on land; developers, land owners and municipalities are ready to negotiate and offer deeper incentives to close the deal. Sitework costs continue to decrease due to the competitive market sector and grading contractors being more creative with ways to keep earth moving expenses to a minimum.

Many Subcontractors and vendors are in a "cash-flow only" mode; due to this we have been receiving outstanding pricing on materials and subcontracts. We have been careful to pre-qualify such vendors, while this is a "buyers market", it is also a "buyer beware market", yet another reason to choose Roebuck Buildings to help you navigate these uncertainties.



With Roebuck Buildings you will get the very best Project Management personnel. We often hear from owners that, "their money goes further" with Roebuck because of our Project Managers' and Superintendents' ability to be good stewards of their budget.

Our Preconstruction Department is currently extremely busy, as our customers are looking to expand, renovate and/or build new facilities. Many of these projects are contingent upon financing, but owners are ready to move forward to take advantage of the savings on construction costs. The many estimating opportunities we have seen are a sign to us that the economy is on the rebound. Once the current recession ends, we could see a typical inflationary period with rising material costs and unpredictable escalations.

Call Roebuck today and let us help you evaluate your project and see if "it's a good time to build" for you.

*If you were offered a CD returning 10% – 30% wouldn't you investigate further? For those who have the resources, this could be the return on your construction dollar.*



## "BE SAFE OUT THERE"

*Safety Tips from Brandon Collins, Safety Director Roebuck Buildings Co., Inc.*

With the arrival of summer, dehydration and heat strokes are more common than ever. Remember to drink plenty of fluids throughout the day. Water is best for rehydrating your body, drinks high in sugar like sodas, speed up the dehydration process. Signs of heat stress are: high body temperature, lack of sweating, flushed dry skin, rapid pulse, difficulty breathing, hallucinations, confusion, disorientation and seizures. If you experience any of these symptoms, get to a cool shaded area and apply a cool compress or ice pack to the underarms and groin. Always seek immediate medical attention.

*BMW Data Center continued from page 1*

for the utility support areas. The computer room air conditioning units (CRACs) are located outside the server room in the service aisle and the air is supplied through the perimeter wall below the raised floor and returned in the plenum space above the ceiling via ducted returns to the CRAC units. This arrangement of the units in the support aisles allows for easy maintenance access and prevents unnecessary maintenance activities in the Server Room. The utility spaces are conditioned using roof supported direct expansion (DX) units.

The electrical supply to the building is backed up by a 1000 KW Caterpillar generator with the computer servers powered via dual Liebert UPS Systems. The power is delivered to the servers via dual overhead buss ways which allows for easy access to power above the server racks. The buss way is suspended from the roof structure through the suspended ceiling which provides unobstructed access for server racks supported from the raised floor system.

