

# metcon news

BUILDINGS ■ INFRASTRUCTURE

## From Net Zero To Net Positive

**With MORE Energy Produced  
Than Consumed**



**SANDY GROVE MIDDLE SCHOOL** is the first privatized, LEED Platinum Designed, net positive school in America. This high- performance building will increase student and teacher performance, in a cost-effective manner, while simultaneously reducing the total cost of ownership. In most schools, it is common for utility costs over the life of the building to equal the total cost of the building itself. Sandy Grove Middle School will cut utility consumption by 50 percent because of the installation of geothermal heating and cooling system, high efficiency lighting and spray foam insulation. SGMS also has large, photovoltaic solar panels to achieve further utilities reduction. These initiatives will ultimately save Hoke County Schools and Hoke County nearly \$35 million dollars over the next 40 years and Sandy Grove Middle School will never have a power bill to pay. Additionally, the solar photovoltaic system will generate 30 percent more electricity than the school consumes and the site will feature a solar photo voltaic education center to be used by school and community organizations from around the County and beyond.

Using this type of environmentally-friendly technology, Sandy Grove Middle School will set the standard for school systems and counties who want to use similar energy-saving techniques. The more these technologies are utilized, the lower their prices become. The green design measures taken in planning for this new school will serve as an incredible standard for future schools to follow. Methods for the design and construction of Sandy Grove Middle School can easily be used in other construction projects throughout the country. The more projects that emphasize sustainability, the more resources will be used efficiently, allowing for a wealth of economic and environmental benefits for all parties involved.

**ENR**  
Engineering News-Record

**Winner of the  
2013 ENR  
National Best  
of the Best  
K-12 Education  
Project**

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**2013  
National Minority  
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# featured projects

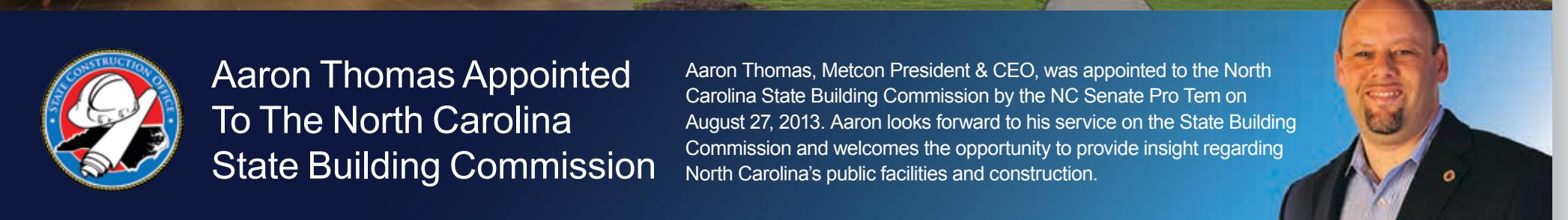
## Sandy Grove Middle School

**Winner of the 2013 ENR National Best of the Best K-12 Education Project and 2013 ABC Eagle Award for best education project in the Carolinas.**

Located in Lumber Bridge, NC State of the art 75,930 sq. ft. school. 650 student core building along with associated site development, that includes a track, softball/football/soccer fields on 42 acres. The school incorporates extensive LEED and Green Building components including large Photo Voltaic and Geothermal systems. SGMS will generate more electricity on site than it needs to operate. The facility is designed to be LEED Platinum.



**Winner of Construction Professionals Network of NC Star Award and Associate Builders & Contractors 2013 Merit Award**



**Aaron Thomas Appointed To The North Carolina State Building Commission**

Aaron Thomas, Metcon President & CEO, was appointed to the North Carolina State Building Commission by the NC Senate Pro Tem on August 27, 2013. Aaron looks forward to his service on the State Building Commission and welcomes the opportunity to provide insight regarding North Carolina's public facilities and construction.



# new projects

## WCPSS Cary Elementary School

New 800 student elementary school in Northwest Wake County. The \$16.2M project will adapt an existing design to a new site in Cary near I-540. Metcon welcomes its continued relationship with Moseley Architects, Architect of Record for the project. The new school will open in Spring 2016.

## CMS Hickory Grove Elem. Relief School

A new elementary school with Pre-K center on new site at corner of Shamrock Drive & Hickory Grove Rd in NE Charlotte. 115,164, gsf, sprinkled, load bearing masonry and bar joist structure, brick veneer, aluminum windows, built-up roof. Site is heavily wooded and adjacent to Historic Property and Park.

## FSU Student Center

This project is for renovation of existing 69,000 s.f. building and addition of 40,000 s.f. to the student center on the FSU campus in Fayetteville, NC. Functions currently in the student center are food service, post office, card office, office and meeting spaces. It is planned to increase food service, add the bookstore, ballroom/conference spaces, and other student related functions.

## Springhill Suites by Marriott

Located in Lumberton, N.C., the \$8,451,000 project involves the construction of a new four story 118 room hotel. It is being built for the North Point Hospitality Group of Atlanta, Ga. and will be completed in December 2014.

## Union Pines High School Addition

Union Pines Auxiliary Gymnasium is a 18,000 SF addition to Union Pines High School located in Cameron, NC. The project adds a large wrestling facility and an additional Gymnasium for the schools volleyball and basketball programs. The project architect is SFLA and the owner is Moore County Schools. Project completion is scheduled for the summer of 2014.

## Michelin US #5 Health Center

This 10,854 sq. ft. new building located in Lexington, SC will provide primary health care, occupational health care, and health education to Michelin's employees and their families.

## ECU School of Dentistry Lumberton

The ECU Dental Clinic is a 7,940 S.F. new Dental Facility which will be operated by the East Carolina University School of Dental Medicine. It is a 16 chair fully functional dental facility where students in their final year of school will provide dental service to people who are unable to pay for dental care. It is a brick veneer on metal stud building with a metal roof.

## Duke Energy BNP/JIC

Located in Leland, NC this project consist of a one story, 103 ft. by 114 ft. deep per-engineered metal building. The buildings infrastructure will consist of electrical, mechanical, plumbing, and the installation of a fire alarm system. Project is set to be completed in January 2014.

## Walnut Terrace Townhomes

55 units in 14 buildings for Raleigh Housing Authority. Project will be a mix of Government subsidized housing and market value housing. Project is 76,000 sf with units averaging 1300 sf each.

## UNCW Student Recreation Center Expansion Phase II

Student recreational center expansion located on the campus of UNC Wilmington. Includes baseball/softball fields, tennis courts, and track along with beautification to the existing infrastructure.

## Enterprise Rental Car Glenwood

3,000 s.f. car sales facility in Raleigh, NC. Includes display parking, sales area, administration offices and car wash area.

## City of Raleigh Downtown Remote Operations Facility

The "City of Raleigh Downtown Remote Operations Facility" is a 33 acre campus project that consolidates various City of Raleigh departments including Vehicle Fleet Services, Street Shops & Street Operations, and Traffic Engineering. The campus will be comprised of twelve separate buildings totaling over 156,000 SF including a fueling station, wash station, a salt brining facility, and multiple other administrative and service buildings. J/V with B&G.

## UNC Charlotte Phase 13 Dormitory

This project may construct a 400-bed residence facility in the East Village sector of campus. Each building floor will include lounge/study rooms, laundry, and multi-purpose rooms. J/V with Balfour Beatty.

# Metcon 2013 National Minority Construction Firm of the Year

Penny Pritzker, US Secretary of Commerce presents Aaron Thomas, Metcon CEO, with the award.

The award recognizes a national minority- owned firm that has achieved outstanding success in private or public sector construction projects and exhibited revenue and job growth over a sustained period of time.

"Metcon is a perfect example of how a strong, local company can grow significantly with well-placed, well-timed assistance," said Dan Stafford, project director for the MBDA Business Center Raleigh, a partnership of NCIMED and MBDA that provides consulting and services to promote the growth of minority-owned businesses.

"We're delighted that our work to connect Metcon with key industry partners and market opportunities has yielded returns for the company as well as created jobs and economic growth in the communities it serves," Stafford said.

Metcon was one of 12 businesses, organizations and individuals MBDA recognized this week for their leadership and commitment to advancing the minority business community, part



of the agency's 2013 National Minority Enterprise Development (MED) Week celebration. U.S. Secretary of Commerce Penny Pritzker presented the awards during a ceremony in Washington, D.C.

David A. Hinson, MBDA national director, said: "These award recipients are pillars in their communities who help create jobs and keep our nation competitive in the global economy. MBDA and the U.S. Department of Commerce are pleased to honor these outstanding leaders and firms and the entrepreneurial spirit they embody and promote."



## Metcon, Inc. Selected As An OSHA Building Star Contractor



**Tonya Warren**  
Metcon Director of Safety & Risk Management

After several months of review of our safety program and inspections of several of our projects (Union Pines, FSU Rudolph Jones Student Center, and ECU Dental School), OSHA announced on January 6, 2014 that Metcon has been selected as a Building Star Contractor. This is the highest certification a contractor can receive that from OSHA and Metcon is now one of only (26) companies in the state to have achieved it.

Tonya Warren, Director of Safety and Risk Management played an instrumental role in this process. Tonya works company wide to manage and strengthen Metcon's safety program as well as the corporate insurance, fleet, and risk management programs.

**metcon**  
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