



**STANDOUT SERVICE.  
SMART SOLUTIONS.**

February 2016

## **M&D MECHANICAL WINS EXCELLENCE AWARDS AT ABC OF NORTH ALABAMA BANQUET**

The Associated Builders and Contractors of North Alabama Annual Banquet was held November 5, 2015. M&D Mechanical was recognized with the following awards:

2015 Award of Excellence  
Mechanical - Industrial  
Less than \$10 Million Category

2015 Excellence in Construction  
Safety Award  
Perfect Safety Score

2015 Specialty Contractor  
Project of The Year Award







These awards were given for the Revitalization and Repair of Central Chilled Water System of NASA Building 4473.

## **Revitalization and Repair of Central Chilled Water System Bldg. 4473**

### **Scope of the Project**

The scope of this very important project is impressive in that we were to remove (9) 1250 Ton centrifugal chillers and replace them with (8) 1250 Ton and (2) 375 Ton centrifugal chillers including new electrical and control wiring all while keeping the plant running and supplying chilled water to the buildings uninterrupted. This included insuring all the electrical and controls were still functioning to the equipment. The piping sizes ranged from 6" - 16" for the chilled and condenser water.

An addition to the building was constructed to house the 4160V variable speed drives that serve two of the 1250 Ton chillers as well as the 480V variable speed drives for the existing and new chilled water pumps. The addition is cooled by a dedicated chilled water coil Air Handling Unit which is also controlled by variable speed drive to reduce energy consumption.

The chillers themselves are state-of-the-art machines with many safety controls and performance options that will allow NASA to produce as low as 39 degree water for their recharge operation. The ability to run lower water temperatures from the new machines will allow fewer machines to run at a time and will save energy. The units

are controlled within close parameters so that they are able to get as much efficiency out of them as possible.



Existing Chiller To Be Replaced



Chiller Plant After All Chillers Changed Out



## M&D GRADUATES TWO APPRENTICES AT TOP OF CLASS

M&D Mechanical had two apprentices honored at the top of their class, recently: Billy Casey - Sheet Metal, and Cody Brooks - Pipe Fitter. We are proud of their accomplishments.

