CUSTOM COPPER KITCHEN HOOD FOR RACHIELE, LLC
NORTH GEORGIA

Sheet Metal Contractor: Vickers Metal Works, Inc., Orlando, FL
Vickers Metal Works, Inc. in Orlando, Florida recently designed and fabricated this 48 oz Copper Kitchen Hood in accordance with the customer’s request. The project was completed on March 31, 2011. Working closely with Rachiele, Vickers detailed this hood to fit between existing cabinets. A detail was submitted to the customer for approval prior to fabrication.

The 30” tall x 30” wide x 21” deep hood has a curved panel design with custom hand-formed ogee trim. It has a separate ogee crown molding.

The crown molding is designed with approximately a 1/4” gap to allow for fan ventilation. The fan housing was supplied by the customer. All seams were welded and finished to give a seamless appearance.

The custom finish was applied by Rachiele, LLC. The finish of the kitchen hood is very rustic to harmonize with its surroundings in a log cabin in the mountains of North Georgia.

Fabrication of this hood required 65 man hours.
ongoing concrete pours

Architect: KBJ Architects, Inc., Orlando, FL
Engineer: Walt Disney Imagineering
General Contractor: Hardin Construction Company, LLC, Orlando, FL
Mechanical Contractor: MCC Mechanical, Orlando, FL
Project Manager: Rick Montz

Sheet Metal Contractor: McDonald Air & Sheet Metal, Inc., Orlando, FL
Project Manager: Dick Lauber
Job Site General Foreman: Mike Rausch
Disney’s latest resort project is the Art of Animation Resort which is scheduled to open at the end of 2012.

McDonald Air & Sheet Metal, Inc. along with Colbert Air contracted to MCC Mechanical to work together to provide the air distribution system needed for the ten new buildings.

Each 114,000 square foot building will have a specific theme such as The Lion King, Cars, Finding Nemo and The Little Mermaid among others. Each building consists of a core area with three wings. Each wing has four floors and the total project has just under two-thousand rooms.
Florida SMACNA, Inc. is a trade association made up of qualified sheet metal and air conditioning contracting firms dedicated to improving the quality of the construction business in Florida. The Association is part of a nationwide network of chapters that represent the leading voice in the industry, the Sheet Metal and Air Conditioning Contractors’ National Association (SMACNA) located in Chantilly, Virginia.
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In the sheet metal and air conditioning business, nobody knows excellence quite the way SMACNA Contractors do. After all, they wrote the book on it. Why take a chance on doing business with anyone who offers less.

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SMACNA DEVELOPS NEW “HVAC TOTAL SYSTEM AIR LEAKAGE” STANDARD

SMACNA members have developed a new standard, “HVAC Total System Air Leakage.” With greater focus on commissioning and energy conservation, it is no longer sufficient to simply test individual components of each building’s systems and assume that if each component performs in an acceptable manner that the entire system will work as intended. Construction and codes have evolved to look at the bigger picture and this new standard is intended to take the same approach to air leakage in HVAC systems.

It is not uncommon for SMACNA’s HVAC Air Duct Leakage Test Standard to be misapplied in specifications by requiring duct leakage tests to include various pieces of equipment with the pass/fail criteria set impractically low. This technically unsound practice of attempting to extend a duct-only test to other portions of the HVAC system shows that the industry needs a standard that can address the entire system using pass/fail criteria determined by testing research.

Developing a standard intended to evaluate the equipment and distribution system requires a wide range of expertise, and because of this, the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) has decided to co-develop the SMACNA-initiated standard. SMACNA and ASHRAE have worked together for decades and have jointly developed standards. The “HVAC Total System Air Leakage” standard will be developed using SMACNA’s ANSI (American National Standards Institute) procedures with the task force comprised of both SMACNA and ASHRAE members.
Florida

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