

Florida

# SMACNA Inc.

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Volume 43

## TECH/SPEC NEWS

NEW FLORIDA MARLINS BALL PARK, MIAMI, FL



Sheet Metal Contractor: United Sheet Metal Company, Pompano Beach, FL

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**NEW FLORIDA MARLINS BALL PARK  
MIAMI, FL**

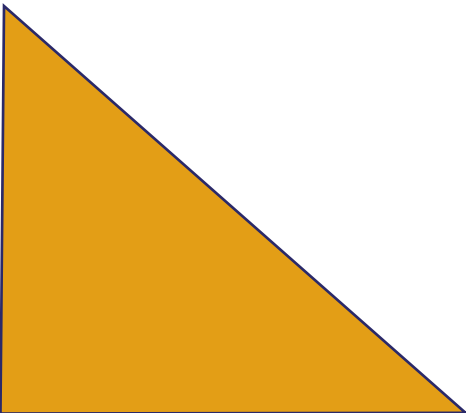


*The player's locker room has custom curved linear diffusers to give the ceiling a high profile look.*

**Architect:** Populous, Kansas City, MO

**Engineer:** ME Engineers, Wheat Ridge, CO

**Sheet Metal Contractor:** United Sheet Metal Company, Pompano Beach, FL



This \$7 million sheet metal project required United Sheet Metal Company, Pompano Beach, Florida, to fabricate and install all the duct work on the new Florida Marlins Baseball Park.

Duct work included galvanized single wall, double wall, round and oval.

Over 600 feet of 60" round doublewall and 82/38 oval double-wall duct is exposed to the playing field. In addition, over 100 Greenheck fans louvers, fire dampers, smoke dampers, fire and smoke dampers were installed.

The project posed several challenges which consisted of

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## NEW FLORIDA MARLINS BALL PARK MIAMI, FL



coordinating the project within the computer 3-D model; getting material ordered and received in a timely fashion so other trades were not hindered in performing their work; and coordinating and working in the tight ceiling spaces with multiple contractors at the same time.

Additional coordination efforts and extra duct work fittings were necessary to make the duct work follow the contour of the building. And finally, as a result of the pre-cast seating above, there was a lack of

ceiling space on the first level which had to be addressed by coordination with other trades. Duct work was re-sized to accommodate lowered ceiling heights and to allow space for other trades.



**CUSTOM HAMMERED COPPER HOOD AT THE WYNDHAM HOTEL  
BONNET CREEK, ORLANDO, FL**



**General Contractor:** Welbro Building Corporation, Maitland, FL  
**Sheet Metal Contractor:** Vickers Metal Works, Inc., Orlando, FL

The scope of this project, completed in July, 2011, by Vickers Metal Works, Inc., of Orlando, Florida involved the fabrication and installation of this custom hammered Copper Hood, which has copper cladding and stainless steel wrap, at the Wyndham Hotel at Bonnet Creek.

The hood is three-sided, 15 ft x 14 ft x 15 ft ... x 42 3/4" high. It is constructed of reverse hammered



**CUSTOM HAMMERED COPPER HOOD AT THE WYNDHAM HOTEL  
BONNET CREEK, ORLANDO, FL**



copper panels (rigidized 1-HM Pattern) with a custom antique finish and clear coat by American Metal Refinishers.

The panels and top crown molding were custom formed and installed over sub-framing.

Two-inch by one-eighth steel flat bar strapping was formed, painted black, and attached along the 6 3/4 inch face and at equal intervals around the hood using custom large head decorative fasteners, as required.



The bottom and interior of the hood were wrapped with 18 ga #4 (304) stainless steel to close off the area around the kitchen.

A total of 335 man hours were required for fabrication and installation of this project



## FLORIDA SMACNA, INC. MEMBER FIRMS

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.

### **All Southern Fabricators, Inc.**

5010 126th Avenue N.  
Clearwater, FL 33760  
727-573-4846  
Manuel Santana, Jr.

### **Bohnert Sheet Metal**

2225 NW 76th Street  
Miami, FL 33147  
305-696-6851  
William H. Marvel, Jr. (Skip)

### **BSA Sheet Metal**

2530 Ali Baba Avenue  
Opa Locka, FL 33054  
305-681-3771  
John Rudisill

### **CADVANTAGE Drafting Service, Inc.**

2220 1st Avenue S.  
St. Petersburg, FL 33712  
727-321-2072  
Dan Sinclair

### **Dodec Inc.**

3140 W. 84th Street, Bay #2  
Hialeah, FL 33018  
305-826-4022  
Trevor Pantry

### **Ferber Sheet Metal Works, Inc.**

4121 Evergreen Avenue  
Jacksonville, FL 32206  
904-356-3042  
George Ferber

### **Lapin Sheet Metal Company**

3825 Gardenia Avenue  
Orlando, FL 32839  
407-423-9897  
Ronald J. Lapin

### **Lee's Sheet Metal Works, Inc.**

P.O. Box 756  
East Palatka, FL 32131  
386-328-5563  
James Lee

### **McDonald Air and Sheet Metal, Inc.**

2730 Eunice Avenue  
Orlando, FL 32808  
407-295-0220  
Ralph Carver

### **Magnum Sheet Metal, Inc.**

7470 NW 68th Street  
Miami, FL 33166  
305-885-5656  
William H. Murphy, Sr.

### **MetalFab, Inc.**

P. O. Box 1184  
San Antonio, FL 33576-1184  
352-588-9901  
Wally Ruda

### **Moffitt Mechanical, LLC**

1351 13th Avenue South, Suite 130  
Jacksonville Beach, FL 32250  
904-241-9944  
John Moffitt

### **National Sheet Metal Co.**

8318 Atlantic Blvd.  
Jacksonville, FL 32211  
904-724-7476  
Lance Herlong

### **Omega Test and Balance**

126 Wisteria Avenue  
Fort Pierce, FL 34982  
772-216-7632  
Hugh Grimes

### **R. Neth & Son, Inc.**

360 E. Landstreet Road  
Orlando, FL 32824  
407-855-9096  
Brad Supplies

### **Ray's Metal Works, Inc.**

P.O. Box 700  
Alachua, FL 32616  
386-462-1415  
Ray Burnsed, Sr.

### **Sheet Metal Experts, Inc.**

8986 N.W. 105th Way  
Medley, FL 33178  
305-805-2019  
William F. Medlin

### **South Florida Sheet Metal**

5264 NW 163rd St.  
Miami, FL 33014  
305-430-0075  
Harold Woods

### **United Sheet Metal Company/ Applegate**

1141 NW 31st Avenue  
Pompano Beach, FL 33069  
954-773-2910  
Rich Applegate

### **Vickers Metal Works, Inc.**

6701 Edgewater Commerce Pkwy.  
Orlando, FL 32810  
407-297-7546  
Tim Vickers

## OTHER CONTRIBUTORS TO THE FLORIDA SHEET METAL INDUSTRY

Advanced Metal Works

Apollo Construction & Engineering

Colbert Air Conditioning

Crown Corr Erection

D&J Sheet Metal

DKG & Associates

Digital Climate & Control

Florida Metal Art

FCR Mechanical Contractors

Hanen Mechanical

Industrial Steel

JV Installation

Lindab, Inc.

MFH Sheet Metal Fabricators, Corp.

Quality Metal Works, Inc.

SDB Engineers and Constructors, Inc.

Spratlin Sheet Metal

System Tech Services

Triple M Roofing Corp.

Veritab Environmental

[skarr@flsmacna.org](mailto:skarr@flsmacna.org)

## BUILDING SYSTEMS ANALYSIS AND RETROFIT MANUAL, 2nd EDITION

The second edition of the Building Systems Analysis and Retrofit manual, published 2011, provides methods to access the major energy using elements of an existing building—electrical (lighting and motors) and HVAC.

It provides a process that begins with a walk-through audit. Methods discussed include using building systems automation, envelope improvements, and demand control

strategies including thermal energy storage.

Contractors interested in new opportunities will find market entry guidance and ideas to assist them in the development of new business strategies that target the renovation of existing buildings.

Existing buildings are often located near public transportation and development typically occurs on a

building's existing footprint. These two "green" drivers may combine with basic economic factors to produce a compelling incentive for many prospective building owners to choose renovation of an existing building over the construction of new facilities.

List price: \$124.00; Discount price: \$86.00 Hard Copy. To order go to [www.smacna.org](http://www.smacna.org)

# Florida

# SMACNA

# Inc.

### SMACNA'S CONSTRUCTION STANDARDS

- Accepted Industry Practices for Sheet Metal Lagging.
- Architectural Sheet Metal Inspection Guide.
- Architectural Sheet Metal Manual, 6th edition 2003
- Fire Smoke and Radiation Damper Installation Guide for HVAC Systems.
- Guide for Steel Stack Construction.
- Guidelines for Roof Mounted Outdoor Air-Conditioner Installations.
- HVAC Duct Systems Inspection Guide.
- Kitchen Ventilation Systems & Food Service Equipment Fabrication & Installation Guidelines.
- Residential Sheet Metal Guidelines.
- Seismic Restraint Manual: Guidelines for Mechanical Systems.
- Sheet Metal Welding Guide.

- Standard Practice in Sheet Metal Work.

### SMACNA'S DESIGN GUIDES

- Duct System Calculator - Imperial + Metric
- Ducted Electric Heat Guide for Air Handling Systems.
- Guidelines for Change Orders
- HVAC Systems - Duct Designs.

### SMACNA'S DUCT STANDARDS

- Accepted Industry Practice for Industrial Duct Construction.
- Fibrous Glass Duct Construction Standards.
- HVAC Air Duct Leakage Test Manual.
- HVAC Duct Construction Standards - Metal and Flexible.
- Rectangular Industrial Duct Construction Standards.
- Residential Comfort System Installation Standards Manual.
- Round Industrial Duct Construction Standards.

- Round Industrial Duct Construction Standards (RIDCS) Software Version 2.0.
- Thermoplastic Duct (PVC) Construction Manual.
- Thermoset FRP Duct Construction Manual.

### SMACNA'S ENVIRONMENTAL PUBLICATIONS

- Building Systems Analysis and Retrofit Manual.
- Energy Systems Analysis and Management.
- HVAC Sound & Vibration Manual
- HVAC Systems - Applications.
- HVAC Systems - Commissioning Manual.
- HVAC Systems - Testing, Adjusting & Balancing.
- IAQ Guidelines for Occupied Buildings Under Construction.
- Indoor Air Quality - A Systems Approach.
- TAB Procedural Guide.

**Florida**

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RETURN SERVICE REQUESTED



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