

Florida

# SMACNA Inc.

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## TECH/SPEC

### NEWS

**DISNEY TEXTILE SERVICES TUNNEL WASHER #8  
DISNEY WORLD, LAKE BUENA VISTA, FL**



**SHEET METAL CONTRACTOR: LAPIN SHEET METAL COMPANY, INC.,  
ORLANDO, FL**

**DISNEY TEXTILE SERVICES TUNNEL WASHER #8  
DISNEY WORLD, LAKE BUENA VISTA, FL**



*Intake stacks and exhaust stacks on roof*

This project, done by Lapin Sheet Metal Company, Inc. of Orlando, Florida, consisted of adding a new washer and dryer #8 at Disney's Textile Services at Disney World.

Included in the project was ductwork for seven intakes, seven exhaust stacks and two lint collector stacks.



*Intake stacks and exhaust stacks on roof*

**DISNEY TEXTILE SERVICES TUNNEL WASHER #8  
DISNEY WORLD, LAKE BUENA VISTA, FL**



*Underneath the roof showing duct drops prior to the equipment being set*



*Showing duct drops with equipment set illustrating close coordination*

A challenge to the folks at Lapin Sheet Metal was working in an operational facility where they had to closely coordinate ductwork to miss the laundry bags and rails so they did not hinder the Textile Services peak operation time.

Lapin had to closely coordinate with W.W. Gay and the new dryer equipment.

Layout was crucial so duct fabrication and installation could be installed prior to the equipment being set.



*Lint collector ducts*

**CUSTOM TRIPLE BOWL STAINLESS STEEL SINK,  
PRIVATE HOME, ORLANDO, FL**



**Sheet Metal Contractor:** Vickers Metal Works, Inc., Orlando, FL

This project, to fabricate a custom 16ga textured stainless steel triple bowl sink for a local residence.

The customer designed the sink with a center bowl for the disposal.

The left and right bowls of the sink measure 13" x 18" x 10" deep while the center bowl measures 6" x

15 1/2" x 6" deep. The apron front is 6 3/4" high.

Drains are located in the rear center of each bowl. Each bowl was fabricated, then welded and finished to give a near seamless appearance.

Fabrication required approximately 40 man hours.

After welding, a leak test was performed to assure the quality that the customer expects when purchasing a hand crafted sink.

The sink was completed in April, 2012.

*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.*



## CLEARING THE AIR ABOUT WIND-UPLIFT RATINGS

SMACNA recently has seen a surge in specifiers misapplying the requirements of the International Building Code (IBC) regarding metal edge treatments and copings on roofing systems.

The IBC states in section 1504: “Edge securement for low-slope roofs. Low-slope membrane roof system metal edge securement, except gutters, shall be designed and installed for wind loads in accordance with Chapter 16 and tested for resistance in accordance with ANSI/SPRI ES-1, except the basic wind speed shall be determined from Figure 1609.”

The recently released 7th edition of SMACNA’s “Architectural Sheet Metal Manual” (ASMM) includes code (IBC Section 1504.5) compliant fabrication and installation

specifications for wind-tested coping and fascia designs in the appendix— see Appendix L. This information is also available in a free download from the SMACNA website in the Technical Papers section, Architectural Fascia and Coping Wind Tests Report.

The current and previous editions of the ASMM also include a report for the testing of ridge, eave, and rake installations for custom, standing-seam metal roofs. These reports include tests for static water penetration, dynamic water penetration, uniform structural load, and deflection tests, and uplift tests per UL 90.

This same report is also available from SMACNA’s website, [www.smacna.org](http://www.smacna.org), and again is located in the Technical Papers section Custom Fabricated Sheet Metal Test

Report. It may be useful to share both of these reports with architects and specifiers.

Only architectural elements that have been tested and installed according to approved, tested specifications can be considered as rated for wind uplift. There is no requirement in the wind uplift standard on which the IBC code language is based or the IBC code to stamp or otherwise mark products that have been manufactured a compliant with wind tests.

There is no certification required to install elements that are constructed to meet a code-mandated wind test. Without proper installation there is no assurance that an architectural element will be correctly installed so that it can resist its tested and advertised wind-uplift rating.

## 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.

### Lapin Sheet Metal Company

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

### R. Neth & Son, Inc.

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

### Bohnert Sheet Metal

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

### McDonald Air and Sheet Metal, Inc.

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

### Ray's Metal Works, Inc.

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

### BSA Sheet Metal

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

### Magnum Sheet Metal, Inc.

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

### Sheet Metal Experts, Inc.

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

### CADVANTAGE Drafting Service, Inc.

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St. Petersburg, FL 33712  
727-321-2072  
Dan Sinclair

### MetalFab, Inc.

P. O. Box 1184  
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Wally Ruda

### South Florida Sheet Metal

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

### Dodec Inc.

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305-826-4022  
Trevor Pantry

### Moffitt Mechanical, LLC

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John Moffitt

### United Sheet Metal Company/ Applegate

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Pompano Beach, FL 33069  
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Rich Applegate

### Ferber Sheet Metal Works, Inc.

4121 Evergreen Avenue  
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904-356-3042  
George Ferber

### Omega Test and Balance

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

### Vickers Metal Works, Inc.

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Orlando, FL 32810  
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Tim Vickers

## OTHER CONTRIBUTORS TO THE FLORIDA SHEET METAL INDUSTRY

Colbert Air Conditioning  
Crown Corr Erection  
D&J Sheet Metal  
Hanan Mechanical  
FCR Mechanical Contractors

Irvine Mechanical  
MFH Sheet Metal Fabricators, Corp.  
SDB Engineers and Constructors, Inc.  
Southeast Duct Specialists  
Quality Metal Works, Inc.

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Tabco, LLC  
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Enter by February 28, 2013

## 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.

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RETURN SERVICE REQUESTED



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