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

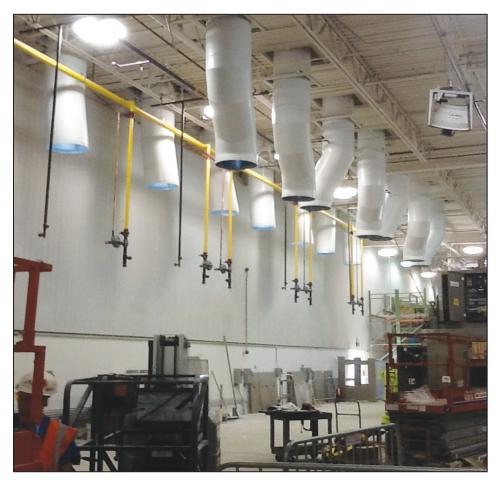
This project, done by Lapin Sheet Metal Company, Inc. of Orlando, Florida, consisted of adding a new washer and dryer #8 at Disney's Textile Services at Disney World.

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.

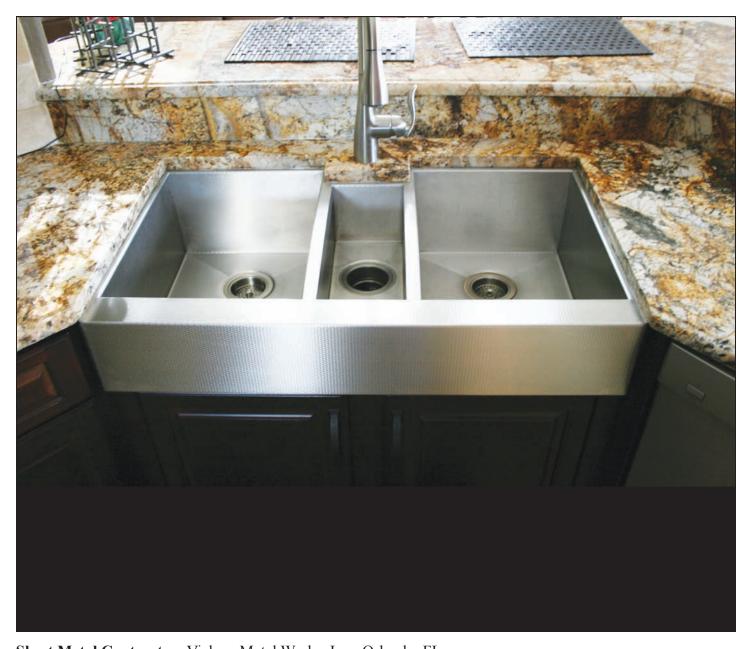
Layout was crucial so duct fabrication and installation could be installed prior to the equipment being set.





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, 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.

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BSA Sheet Metal

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

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

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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

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

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 Supples

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

Colbert Air Conditioning Crown Corr Erection D&J Sheet Metal Hanen Mechanical FCR Mechanical Contractors Irvine Mechanical
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Enter by February 28, 2013

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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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6767 N. Wickham Road, Suite 400 Melbourne, Florida 32940

RETURN SERVICE REQUESTED



Florida SMACNA, Inc.

6767 N. Wickham Rd. #400 Melbourne, FL 32940

Tel: 321-242-8223 Fax: 321-242-8277

skarr@flsmacna.org
Susan E. Karr
Executive Vice President
http://www.flsmacna.org