

Florida

SMACNA Inc.

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TECH/SPEC

NEWS

REMODELING OF HALIFAX MEDICAL CENTER, DAYTONA BEACH, FL



Looking at the old emergency room renovation going on

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

REMODELING OF HALIFAX MEDICAL CENTER, DAYTONA BEACH, FL



Demolition going on

Architect: Perkins + Will, Atlanta, GA
Engineer: TLC Engineering, Orlando, FL
General Contractor: Robins and Morton, Bunnell, FL
Mechanical Contractor: Harper Mechanical, Sanford, FL
Sheet Metal Contractor: Lapin Sheet Metal Company, Inc., Orlando, FL

Numerous challenges were presented by the necessity of working around existing pipes and duct work in the old hospital structure. In addition, the hospital was occupied and operational during the project.

Demolition was going on above the ceiling of the emergency room while it was being used.

Working at night, Lapin employees ran a temporary flex duct return line over the existing emergency room to reach the

new emergency room located in the new tower. After this was done the new emergency room could be used and the project could proceed above the original emergency room.

The new emergency room has been designed to be user friendly, and is perfectly located to be visible from every direction. The new tower includes state-of-the-art equipment and is capable of withstanding a 'Category 5' Hurricane according to World Interior Design Network.



Supply air in existing area

Daniel Akers, Lapin's Project Manager on the Halifax Medical Center, extends thanks to the General Contractor, Robins and Morton, and to the Mechanical Contractor, Harper Mechanical. He also thanked foremen Rigo Rangel and Kenny Moran and all Lapin employees who worked on the job.

HALIFAX MEDICAL CENTER CLEARWATER, FL



Return air ducts across psychiatric ward



*Supply air duct over psychiatric ward
installed around existing pipes*



*Installing ductwork in
existing hospital*



*New return air duct above
old emergency room*

STAINLESS STEEL KITCHEN COUNTER TOP, ST. PETERSBURG, FL



Sheet Metal Contractor: METALFAB, Inc., San Antonio, FL

This striking custom radius stainless steel counter top was fabricated and installed by the craftsmen at MetalFab, Inc. for a kitchen in an upscale home in St. Petersburg, Florida.

The counter top was fabricated of 14 GA stainless steel with a #4 brushed finish. There are provisions for indirect lighting underneath the overhang of the counter.

Inside the back splash the company made cut outs for electrical outlets and for various other kitchen items. The counter top is totally of welded construction and polished out. It took approximately 60 man-hours to produce.

The customer had some difficulty finding a qualified metal company to produce the counter top.

MetalFab provided them with exactly the counter top they wanted for their handsome, modern kitchen.

The customer was delighted with the on-time delivery and superb quality of the counter top produced by MetalFab.

WIND TEST PROVES CUSTOM SHEET METAL MEETS WIND DESIGN STANDARDS

The time-tested performance of custom-fabricated roof edge metal and copings is evident in the thousands of systems installed by SMACNA contractors around the country. Some installations are nearing the century mark and are still firmly in place.

In recent years, pre-manufactured edge and coping products have proliferated – both imported and domestically produced – and the wind design standard ANSI/SPRI ES-1 was adopted into the model building codes.

These factors and events led SMACNA's Technical Resources Committee, with the guidance of the Architectural Sheet Metal Committee, to conduct wind testing of custom-fabricated gravel stop fascia and coping designs shown within the SMACNA Architectural Sheet Metal Manual.

This was done to provide the design community documentation that proved custom sheet metal met the wind design standards.

To view the Technical Resources Bulletin: Architectural Fascia and Coping Wind Test Report visit the Technical Services section of the SMACNA Web site under "Technical Papers/Guidelines."



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Enter by August 30, 2009

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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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OTHER CONTRIBUTORS TO THE FLORIDA SHEET METAL INDUSTRY

Advanced Metal Works

All Ready Chute, Inc.

Apollo Construction & Engineering

Colbert Air Conditioning

Conquest Mechanical

Crown Corr Erection

D&J Sheet Metal

DKG & Associates

Day and Zimmerman

Digital Climate & Control

Energy Services Ins, Inc.

Florida Metal Art

FCR Mechanical Contractors

Industrial Steel

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Lindab, Inc.

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SDB Engineers and Constructors, Inc.

Superior Mechanical

System Tech Services

TankServ, Inc.

Triple M Roofing Corp.

Union Air Conditioning

Universal Fabrication Services

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GUIDELINES FOR OCCUPIED BUILDINGS UNDER CONSTRUCTION, 2ND EDITION 4/2/09

- Referenced by USGBC's LEED®2.2 and LEED® 3.0 under EQ Credit 3.1.
- Checklists to assist with developing an IAQ Management Plan—required for LEED-NC EQ Credit 3.1—have been added to the appendices.
- American National Standard references, resources, and checklists.
- The new edition includes a more extensive set of informative appendices than the previous edition that provide more references, resources, planning and inspection checklists, model specifications.
- HVAC Equipment early start up guidance, and the DUCT CLEANLINESS FOR NEW CONSTRUCTION GUIDELINES – all within a single document for convenience.

Florida

SMACNA

Inc.

• SMACNA'S CONSTRUCTION STANDARDS

- Accepted Industry Practices for Sheet Metal Lagging.
- Architectural Sheet Metal Inspection Guide.
- Architectural Sheet Metal Manual, CADD Version 2.0
- 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.

- SMACNA/ASHRAE Seismic Restraint Applications CD-ROM.
- Standard Practice in Sheet Metal Work.

• SMACNA'S DESIGN GUIDES

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

• 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 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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