DOOR FRAME (JAMBS AND LINTELS)
TAMPA INTERNATIONAL AIRPORT, AIR SIDE “C” SHUTTLE TRAM, TAMPA, FL

Sheet Metal Contractor: Gordon Metal Fabricators, Inc., Tampa, FL
DOOR FRAME (JAMBS AND LINTELS)
TAMPA INTERNATIONAL AIRPORT, AIR SIDE “C” SHUTTLE TRAM, TAMPA, FL

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Bombardier Transportation, Pittsburg, PA
Precision metal fabrication was the hallmark of this project undertaken by Gordon Metal Fabricators, Inc. of Tampa, Florida.

The scope of the project included the fabrication and installation of stainless steel door jambs and lentils for the frame of the shuttle tram door which provides entrance and egress for the shuttle tram for Airside “C” and Landside “C” at Tampa International Airport.

The door jambs and lentils were constructed of 16 gauge polished #3 fine stainless steel.

The door jambs contain internal electrical boxes built into the door jambs.

Challenging the craftsmen at Gordon Metal Fabricators, Inc. was the requirement that the door jambs had to match the opening of the shuttle tram.

In addition, the depth had to be less than 3/16” from the door of the tram to eliminate the chance of passengers’ fingers getting injured.
The scope of this job called for the fabrication and installation of 7490 lbs. of rectangular duct, 2956 lbs. of round duct, 12,600 lbs. of stainless duct and the installation of two air handling units and three exhaust fans in a ten-week schedule.

The craftsmen at McDonald Air and Sheet Metal, Inc. completed the job on time and within budget with a total of 2584 man-hours.

Challenging the installation was the necessary coordination with many other trades in order to get the job done. Installation of the duct work was particularly demanding because the roof was 35’ above the floor.

In the fill room there were six stainless steel risers exhausting any moisture or odors up to two main headers located on the roof.

This duct work was connected to another main header at the A/H unit which either drew return air back to the unit or exhausted the air through an exhaust fan on the roof.
NEW HORIZONS’ STUDY EXAMINES PRE-CONSTRUCTION PLANNING

Learn the importance of pre-construction planning at the “Achieving Greater Success and Profitability Through Construction Planning: session, A New Horizons Foundation Project, on Monday, October 9th during SMACNA’s annual convention, October 8th to 12th in Phoenix.

Awad S. Hanna, Ph.D., P.E., a professor of civil and environmental engineering at the University of Wisconsin-Madison, will host the presentation.

This completed research project developed a formal pre-construction planning process that demonstrated that the pre-planning can significantly increase the chances of having a successful and profitable project.

According to the study, the benefits of implementing a pre-planning process are quantifiable and concrete. Yet, these benefits have not been fully recognized by the HVAC and sheet metal contracting industry.

The final product is a powerful, yet easy-to-understand two-part guidebook that quantifies the benefits of pre-construction planning and includes a “Pre-Construction Planning Best Practices” manual.

Also included is a step-by-step procedure that contractors may use to implement a formal pre-construction planning process.

For more information, contact Mary Lou Taylor, director of meetings and convention at (703) 803-2998 or mtaylor@smacna.org or visit the SMACNA homepage at www.smacna.org.

INDUSTRIAL VENTILATION CONFERENCE ANNOUNCED

The 28th annual Industrial Ventilation Conference will be held in Birmingham, Alabama October 16th to 18th, 2006.

The conference instructs attendees on how to provide effective and economical ventilation through proper application of established principals.

Designed for plant engineers, sheet metal contractors, consulting engineers as well as others involved in the design, maintenance and performance of ventilation systems, the lectures and hands-on problem-solving sessions lead participants through the step-by-step design of various types of ventilation systems.

Students select appropriate exhaust hoods, determine air volume and minimum duct velocity, size duct, calculate system pressure loss and select fans and air cleaning devices along with instruction on a variety of other ventilation topics.

Each attendee will receive a copy of the latest edition of “Industrial Ventilation - A Manual of Recommended Practice,” published by American Conference of Governmental and Industrial Hygienists (ACGIH).

In addition to the general sessions, attendees will attend classroom lectures designed to complement the classroom problem sessions.

These programs are given by nationally known experts and are presented at appropriate intervals throughout the conference.

The registration fee for the three-day conference program is $895. For more information on the conference visit the web site at www engr.arizona/EPD or contact the University of Alabama School of Engineering at (502) 621-4007.
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<tr>
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<td>904-724-7476</td>
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<td>126 Wisteria Avenue</td>
<td>Fort Pierce, FL 34982</td>
<td>772-216-7362</td>
<td>Hugh Grimes</td>
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<td>Steven Woodley</td>
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<td>Ray Burnsed, Sr.</td>
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<td><strong>South Florida Sheet Metal</strong></td>
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<td>Stuart, FL 34996</td>
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<td>Wayne Bozer</td>
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**OTHER CONTRIBUTORS TO THE FLORIDA SHEET METAL INDUSTRY**

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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.
UPDATE ON SMACNA TECHNICAL PROJECTS

New publications scheduled for the SMACNA technical department in 2006 will be a new edition of the Sheet Metal Welding Guide to be published in October or November and the 4th edition of the HVAC Systems Duct Design Manual out in November or December.


SMACNA’S CONSTRUCTION STANDARDS
- Accepted Industry Standards for Sheet Metal Lagging.
- Guide for Steel Stack Construction.
- Guidelines for Roof Mounted Outdoor Air-Conditioner Installations.
- HVAC Duct Systems Inspection Guide.
- Residential Sheet Metal Guidelines.
- SMACNA/ASHRAE Seismic Restraint Applications CD-ROM.
- Standard Practice in Sheet Metal Work.

SMACNA’S DUCT STANDARDS
- Duct Research Destroys Design Myths (Bubble Video).
- Duct System Calculator - Imperial.
- HVAC Duct Design Home Study
- HVAC Systems - Duct Design.

SMACNA’S DESIGN GUIDELINES
- Accepted Industry Practice for Industrial Duct Construction.
- Fibrous Glass Duct Construction Standards.
- HVAC Duct Construction Standards - Metal and Flexible.
- Rectangular Industrial Duct Construction Standards.
- Round Industrial Duct Construction Standards.

SMACNA’S ENVIRONMENTAL PUBLICATIONS
- Energy Systems Analysis and Management.
- HVAC Systems - Applications.
- IAQ Guidelines for Occupied Buildings Under Construction.
- Indoor Air Quality - A Systems Approach.
- TAB Procedural Guide.

Thermoset FRP Duct Construction Manual.
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