COUNTRYWIDE HOME LOANS: THE IMAGING AND DOCUMENT STORAGE BUILDINGS, TAMPA, FL

Supply duct from AHU-1A and AHU-1B joined together serving a portion of Building 6.

Sheet Metal Contractor: McDonald Air & Sheet Metal, Inc., Orlando, FL
Countrywide Home Loans Company purchased two building shells which were constructed some months earlier by another general contractor in Tampa, Florida. The buildings, totaling 231,000 square-feet were built on one level of tilt wall and barjoists.

Countrywide brought in its own design team to construct the interior of the buildings’ shells. This build-out of the interior of the building was a fast-track project and was compressed into a four month completion schedule.

McDonald Air & Sheet Metal, Inc. partnered with CadVantage Drafting Service, Inc. of St. Petersburg who produced, with unbelievable speed, accurate shop drawings. The project was completed in 20 weeks working only five days per week even though significant changes were made to the duct work after drawings were complete. The dedicated craftsmen at McDonald’s spent approximately 15,000 man hours on the project.
COUNTRYWIDE HOME LOANS: THE IMAGING AND DOCUMENT STORAGE BUILDINGS, TAMPA, FL

Completed supply and return ducts waiting for ceiling grid. Branch ducts are terminated approximately 3’ above the finished ceiling for easy access through the grid system to connect flex duct and install diffusers without damaging the grid.

The $1,500,000 project required 199,000 lbs. of duct work; 178,000 lbs. of rectangular duct; 21,000 lbs. of round duct; 150 lbs. of stainless steel duct; and included six York air handling units and thirty-three Greenheck exhaust fans.

Manhattan Construction Project Superintendents, Herb Way and Scott Heddens were impressed with the way the McDonald team performed and worked with the general contractor in completing the Countrywide project. They said, “Bob Williamson and Richard Daniel are two of the best HVAC men I’ve ever worked with in my forty-plus years of running construction projects. Thanks again for a job well done and especially well managed by our team. They deserve to be recognized!”

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On July 21, additional courses will be offered to provide for the full 14 hours of CEU credits required.

Florida SMACNA’s provider number is 0006797 and the course number is 0002105. For further information, call the Association at (321) 242-8223.
The scope of the Pepin Heart Hospital and Research Institute project for Orlando based, Lapin Sheet Metal Company, Inc. included providing the fabrication and installation of the HVAC duct system for the new three-story, 127,000 square-foot Research Institute addition and modifications to the existing Pepin Heart Hospital’s boiler and flue pipe system.

Challenges were faced in both the new facility and in the existing hospital.

In the new Research Institute the Lapin team encountered several obstacles to overcome, such as MEP coordination, the routing of duct work around structural steel in the operating rooms and the installation of a giant generator louver.

The biggest hurdle they overcame was
the installation of NOA Hurricane louvers in a glass curtain wall system.

The original hospital building presented the challenge of installing a 16 gauge welded stainless steel pipe which had to be inserted into the existing concrete flue pipe which runs five stories high.

The project was completed on March 23, 2006.

Ron Lapin, President of Lapin Sheet Metal Company, Inc. expressed his sincere gratitude to Batson-Cook Company for their expertise and excellent management of the project and his thanks to Harper-Limbach for the completion of another successful mechanical project. He also thanks fellow SMACNA contractor, Dan Sinclair, Cadvantage Drafting Service, Inc., for providing drafting and coordination services for the HVAC system. He further cited Ronald Irby, Bill Simms and all Lapin Sheet Metal employees involved for an excellent job which contributed to the success of the project.
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HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, THIRD EDITION, NOW AVAILABLE

The hard copy electronic PDF and CD-Rom versions of this new edition are now available.

The third edition of the HVAC Duct Construction Standards - Metal and Flexible is intended primarily for commercial and institutional duct construction. The standard contains tables and details for constructing duct work for 1/2” to 10” wg positive and negative pressures. This edition improves upon the second edition with expanded pressure class tables, separate tables for TDC/TDF construction and expanded tables for round duct construction including 6” wg positive and negative pressure and sizes up to 96”.

New in this edition is an engineering and design chapter to provide additional information to design professionals, double-wall construction details, new casing construction details and additional accessory items. The standard is applicable for construction using uncoated steel, galvanized and stainless steels and a limited range of aluminum ducts.

This standard has been adopted in the ICC International Mechanical Code. Includes soft metrics, 390 pages, 3rd Edition, 2005. List price: $215.00; Discounted price $151.00. To order go to www.smacna.org.

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