TECH/SPEC NEWS

NEW FLORIDA MARLINS BALL PARK, MIAMI, FL

Sheet Metal Contractor: United Sheet Metal Company, Pompano Beach, FL
This $7 million sheet metal project required United Sheet Metal Company, Pompano Beach, Florida, to fabricate and install all the duct work on the new Florida Marlins Baseball Park.

Duct work included galvanized single wall, double wall, round and oval.

Over 600 feet of 60” round doublewall and 82/38 oval double-wall duct is exposed to the playing field. In addition, over 100 Greenheck fans louvers, fire dampers, smoke dampers, fire and smoke dampers were installed.

The project posed several challenges which consisted of...
coordinating the project within the computer 3-D model; getting material ordered and received in a timely fashion so other trades were not hindered in performing their work; and coordinating and working in the tight ceiling spaces with multiple contractors at the same time.

Additional coordination efforts and extra duct work fittings were necessary to make the duct work follow the contour of the building. And finally, as a result of the pre-cast seating above, there was a lack of ceiling space on the first level which had to be addressed by coordination with other trades. Duct work was re-sized to accommodate lowered ceiling heights and to allow space for other trades.
The scope of this project, completed in July, 2011, by Vickers Metal Works, Inc., of Orlando, Florida involved the fabrication and installation of this custom hammered Copper Hood, which has copper cladding and stainless steel wrap, at the Wyndham Hotel at Bonnet Creek.

The hood is three-sided, 15 ft x 14 ft x 15 ft ... x 42 3/4” high. It is constructed of reverse hammered...
CUSTOM HAMMERED COPPER HOOD AT THE WYNDHAM HOTEL
BONNET CREEK, ORLANDO, FL

copper panels (rigidized 1-HM Pattern) with a custom antique finish and clear coat by American Metal Refinishers.

The panels and top crown molding were custom formed and installed over sub-framing.

Two-inch by one-eighth steel flat bar strapping was formed, painted black, and attached along the 6 3/4 inch face and at equal intervals around the hood using custom large head decorative fasteners, as required.

The bottom and interior of the hood were wrapped with 18 ga #4 (304) stainless steel to close off the area around the kitchen.

A total of 335 man hours were required for fabrication and installation of this project.
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The second edition of the Building Systems Analysis and Retrofit manual, published 2011, provides methods to access the major energy using elements of an existing building—electrical (lighting and motors) and HVAC.

It provides a process that begins with a walk-through audit. Methods discussed include using building systems automation, envelope improvements, and demand control strategies including thermal energy storage.

Contractors interested in new opportunities will find market entry guidance and ideas to assist them in the development of new business strategies that target the renovation of existing buildings.

Existing buildings are often located near public transportation and development typically occurs on a building’s existing footprint. These two “green” drivers may combine with basic economic factors to produce a compelling incentive for many prospective building owners to choose renovation of an existing building rather than the construction of new facilities.

List price: $124.00; Discount price: $86.00 Hard Copy. To order go to www.smacna.org
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