



## **PROJECT PROFILE**

March 1, 2010

Project Type: Warehouse Retrofit

Facility Name: George Bush Intercontinental Airport Technical Service Warehouse

Roof Systems Installer: Paramount Metal Systems - Little Rock, AR

Architect: Osborn & Vane Architects - Houston, TX

Engineer of Record: E. Concepts Engineers – Houston, TX

Systems Engineer: Paramount Metal Systems – Little Rock, AR  
(Sub-framing and Roof)

General Contractor: Axiom Construction Company – Houston, TX

Sub-Framing System: Roof Hugger, Inc. – Odessa, FL  
Model 242 – 16 GA 50 ksi, G-90 4-inch high pre-notched sub-purlins punched to fit an existing trapezoidal standing seam

New Roofing: Metal Building Components, Inc. (MBCI) – Houston, TX  
System: 18" 24 GA Double-Lok with 180-degree seam  
Finish: Bone White Kynar 500  
Material: 24-gauge steel

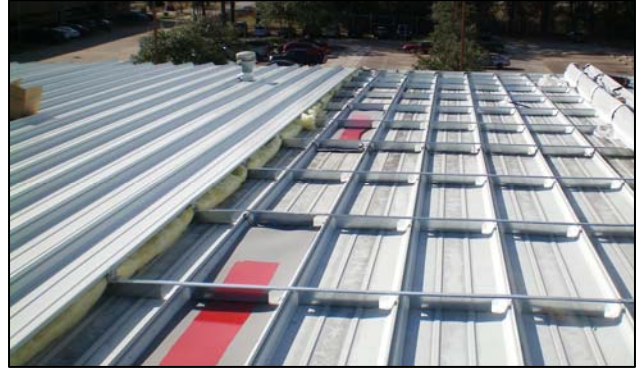
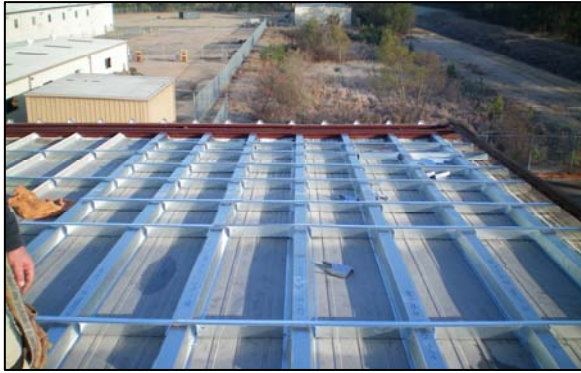
Elimination of a roofing tear-off as a result of Hurricane Ike led to the specification of the Roof Hugger sub-framing system using MBCI's trapezoidal Double-Lok standing seam. The new 18-inch wide by 3-inch high rib roof system was fastened to Roof Hugger pre-notched patented sub-purlins. Existing purlins were spaced at 5'-0" on center, which was not adequate except for in the field of the roof to satisfy newly adopted building code requirements. Additional sub-framing struts spaced at 2'-0" on center had to be installed at the ¼:12 existing roof's corner and edge zones for 15-feet from the eave, ridge and rakes to satisfy the new IBC 2006 building code wind speed of 130 MPH. The original building's 1980 design criteria was based on the Uniform Building Code with a 100 MPH. The 99,000 square foot re-roofing project was completed in 40 days from mobilization to completion.



### **ROOF HUGGER® ENERGY EFFICIENT RE-ROOFING TECHNOLOGIES**

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## Other Photos



## Project Before



## Project After

