

ROOF HUGGER

PRODUCT EVALUATION REPORT

JSM 200 DL 18-24 over Roof Hugger Re-roofing System

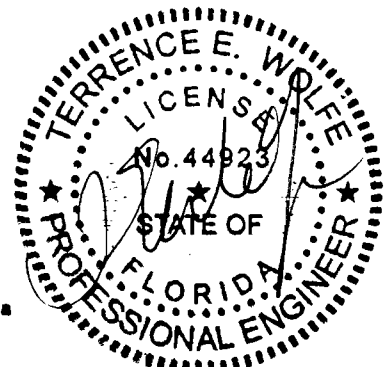
Engineer Evaluator:

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Locke Bowden, P.E., FL #49704
200 Eton Road
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State of Florida
C.O.A.
26778



AUG 01 2007

Reference: 9B-72.070(4), F.A.C.

MANUFACTURER:

Roof Hugger Re-roofing Manufacturer
Roof Hugger
P.O. Box 1027
Odessa, FL 33556

JSM 200 DL 18-24 Panel Manufacturer
Architectural Building Components
11625 N. Houston Rosslyn Rd.
Houston, TX 77086

SUBJECT:

Retro Sub-purlin System for the purpose of re-roofing over an existing roof with out removing the existing panels.

SYSTEM DESCRIPTION:

Bottom Panel: 26 Ga. PBR Panel, 36" wide, 1 1/4" Tall Rib.
Roof Huggers @ 5'-0" O.C., 2'-6" O.C. or 1'-3" O.C.
Top Panel: JSM 200 DL 18" Wide 24 Ga. w/ Slider clips
For 2'-6" & 1'-3" O.C. Roof Hugger Spacing: 16 Ga. Hats @ 24" O.C. between the Roof Hugger and the R Panel. (See Details)
Existing Purlin Spacing: 5'-0" O.C. max

CODE CRITERIA:

Florida Building Code 2004:
Chapter 15: Roof Assemblies and Rooftop Structures
Chapter 16: Structural Loads
Chapter 22: Steel

TECHNICAL DOCUMENTATION SUPPORTING COMPLIANCE STATEMENT

A. DRAWINGS

1. Erection Drawings

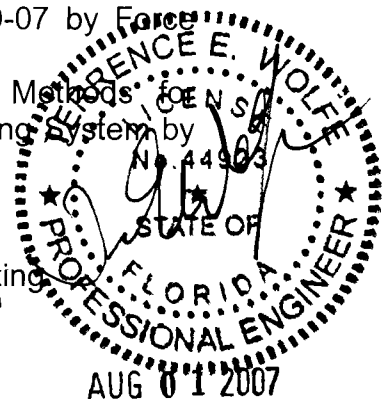
B. TESTS

1. Test report numbers 32-0292T-07A, B & C dated 7-30-07 by Force Engineering & Testing, Inc. for
 - a) ASTM E 1592-01, per FBC, Standard Test Methods for Structural Performance of Sheet Metal Roof and Siding System by Uniform Static Air Pressure Difference

D. LOAD TABLE

1. Load table based on AISI 2001 and ASTM E1592-01 Testing

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INSTALLATION REQUIREMENTS: See uploaded erection drawing and FL#7191.2 for Panel Installation Details

LIMITATIONS AND CONDITIONS OF USE FOR NON-HVHZ:

Maximum Roof Component Uplift Pressure: -40.0 psf @ 5'-0" O.C.
-80.0 psf @ 2'-6" O.C.
-90.0 psf @ 1'-3" O.C.

Minimum Roof Slope limitations: 1/2:12

Existing Purlin Spacing: Min. 16ga designed by a Florida P.E. @ 5'-0" O.C. Max

Substrate Attachment: Designed by Florida P.E.

Fire Barrier: Class B fire exposure rating in accordance with FBC Section 1505.3.

Underlayment: Vinyl or reflective foil faced fiberglass batt insulations that have a flame spread rating of no more than 25 and a smoke development rating of not more than 450.

Shear Diaphragm: Shear diaphragm values are outside the scope of this report.

DESIGN PROCEDURE:

Based on the dimensions of the structure, appropriate loads are determined using Chapter 16 of the FBC for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable negative/positive pressures listed in the load table. The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be in compliance with FBC Chapter 22 for steel, and Chapter 16 for structural loading.

CERTIFICATE OF INDEPENDENCE: See upload attachments

AUTHORIZED REPRESENTATIVE:

Terrence E. Wolfe, P.E. #44923

