



SOUTHWESTERN LABORATORIES



Materials, environmental and geotechnical engineering, nondestructive, metallurgical and analytical services
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Report No.: 8508
Report Date: 3/11/87
Date Received: 3/2/87
Date Tested: 3/4/87

Client: Berridge Manufacturing Company
1720 Maury
Houston, TX 77026

Project: Flush Seam Soffit Panel

DESCRIPTION:

Test assembly consisted of six panels assembled with seams vertical in a 2'0" wide by 3'11-1/2" high opening. Panels were attached at top and bottom of opening to wood perimeter frame and at center to horizontal metal framing member. Test assembly was installed in one wall of the test chamber and tests conducted using static air pressure.

Space between panel assembly and perimeter frame was not uniform or measured.

PERFORMANCE TEST:

Testing was conducted in accordance with ASTM E283-84 "Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors".

TEST FOR RATE OF AIR LEAKAGE:

A static pressure differential of 1.57 psf (equivalent to a wind velocity of 25 mph) was applied, acting in a positive (inward) direction. This pressure was maintained while air leakage through the test assembly was measured.

TEST RESULTS:

Air leakage through panel seams (panel assembly perimeter sealed) - 1.55 cfm/sq. ft. of assembly.

Air leakage through panel seams and around perimeter open gap - 9.79 cfm/sq. ft. of assembly.

Sincerely,

SOUTHWESTERN LABORATORIES

Roland S. Jary
Roland S. Jary, P.E.
Vice President



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