1-800-722-2523
www.pac-clad.com

DATE: May 5, 1992

Report #18154

SUBMITTED BY: Petersen Aluminum Corporation
955 Estes Avenue
Elk Grove Village, IL 60007

DATE OF TESTING: April 22, 1992

TESTING FACILITY: The Dallas Laboratories, Inc.
Dallas, Texas

WITNESSED BY:

Yoosef Lavi, P.E. — Lavi & Associates
Andy Wilson — The Dallas Laboratories, Inc.
Larry Warren — The Dallas Laboratories, Inc.
Don Davidson — Petersen Aluminum Corporation
Josh Jacobi - Petersen Aluminum Corporation

TESTS:

ASTM E 331-86- Standard test method for water penetration of exterior windows, curtain walls and doors by uniform static air pressure difference.

ASTM E 283-91- Standard test method for rate of air leakage through exterior windows, curtain walls, and doors.

DESCRIPTION OF UNIT TESTED

Type: Metal deck roof panel

Series: Integral Standing Seam

Panel Profile: 18 wide by 1-1//2 high

Overall size: 8 -0 wide by 10 -0 long

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Test unit was installed over an 8 -0 wide by 10 -0 long chamber, at a slope of approximately 2:12 in the following sequence.

15/32 plywood decking supported at 24 o.c., was installed as substrate support. Type 30 organic felt as underlayment was installed over the plywood using 3/8 long steel staples. 18 wide by .024 thick panels were attached to the substrate using clips at 24 o.c.. The Clips were made of .050 extruded aluminum, and were fastened with 2 No. 10 x 1 long coated steel screws.

SUMMARY OF TEST RESULTS

Title of Test	Test Method	Measured
Air Infiltration @ 1.57 psf	ASTM E 2283-91	.02CFM/FT2
Air Infiltration @ 6.24 psf	ASTM E 283-91	.06CFM/Ft2
Air Exfiltration @ 1.57 psf	ASTM E 283-91	.03CFM/Ft2
Air Exfiltration @ 6.24 psf	ASTM E 283-91	.11CFM/Ft2
Water Penetration @ 12.00 psf	ASTM E 331-86	No Leakage

The above test results were obtained using the applicable ASTM test methods.

TEST SUPERVISED BY:

Yoosef Lavi, P.E.

TEST CONDUCTED BY:

Larry Warren