



PERFORMANCE TEST REPORT

Rendered to:

Berridge Manufacturing Company

**PRODUCT: Double Lock Zee-Lock Standing Seam Metal Roof Panels
with Continuous 24 ga. Zee-Rib Clip**

Report No: 79368.01-801-44
Report Date: 06/03/08
Revision 1: 06/26/13
Record Retention End Date: 04/28/12

PERFORMANCE TEST REPORT

Rendered to:

Berridge Manufacturing Company
1720 Maury
Houston, TX 77026

Report No: 79368.01-801-44

Test Dates: 04/17/08

Through: 04/28/08

Report Date: 06/03/08

Revision 1: 06/26/13

Record Retention End Date: 04/28/12

Product: Double Lock Zee-Lock Standing Seam Metal Roof Panels with Continuous 24 ga. Zee-Rib Clip

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Berridge Manufacturing Company to evaluate their Zee-Lock standing seam metal roof panels for thermal expansion and contraction.

Test Method: The test specimens were evaluated in accordance with the following custom test method – Thermal Expansion and Contraction.

Relative panel motion $\geq 2"$ for 100,000 cycles with no indication of material wear or sealant degradation.

Product Description:

Series/Model: Double Lock Zee-Lock™ with Continuous Zee-Rib™ Clip

Product Type: Standing Seam Metal Roof Panels

Overall Size: 48" wide by 36" long

Individual Panel Size: 16" wide by 36" long

Zee-Lock Panel Thickness: 0.025"

Zee-Rib Clip Thickness: 0.025"

Purlin Thickness: 0.061"

Sample Construction: Sample comprised of three interlocking Zee-Lock steel panels connected by continuous steel Zee-Rib clips. Outer two panels mounted to two steel purlins spaced 2' apart with ¾" self tapping screws. Purlins were welded along the bottom edge to a steel plate.

Test Procedures: Center panel attached to a pneumatic and cycled over a 2" distance for 100,000 cycles.

Test Results: After 100,000 cycles there was no indication of material wear or sealant degradation.

Detailed drawings, data sheets, representative samples of test specimens, a copy of this report, or other pertinent project documentation will be retained by Architectural Testing, Inc. for a period of four years from the original test date. At the end of this retention period such materials shall be discarded without notice and the service life of this report by Architectural Testing will expire. Results obtained are tested values and were secured by using the designed test methods. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.:



Digitally Signed for: Anthony Brown by John H. Waskow

Tony Brown
Technician

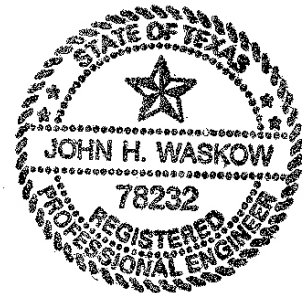
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Attachments (pages).
Appendix A – Drawings (2)



Digitally Signed by: John H. Waskow

John Waskow, P.E.
Director – Regional Operations



Texas Firm F-11869

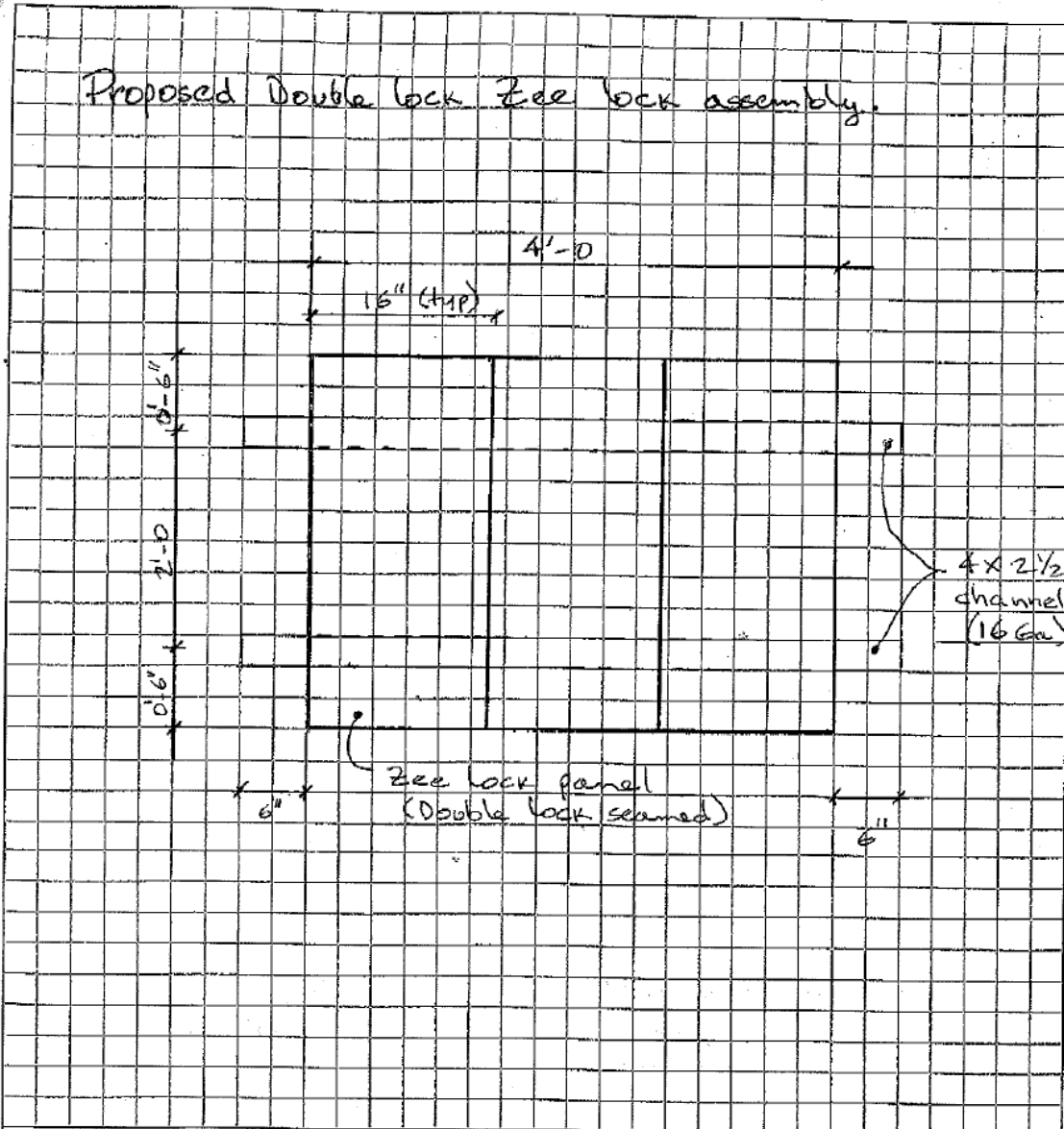
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Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	06/03/08	N/A	Original report issue.
1	06/26/13	Cover, 1	Changed Expiration Date to Record Retention End Date

APPENDIX A

Drawings



NOTES:

DATE:
12/18/07

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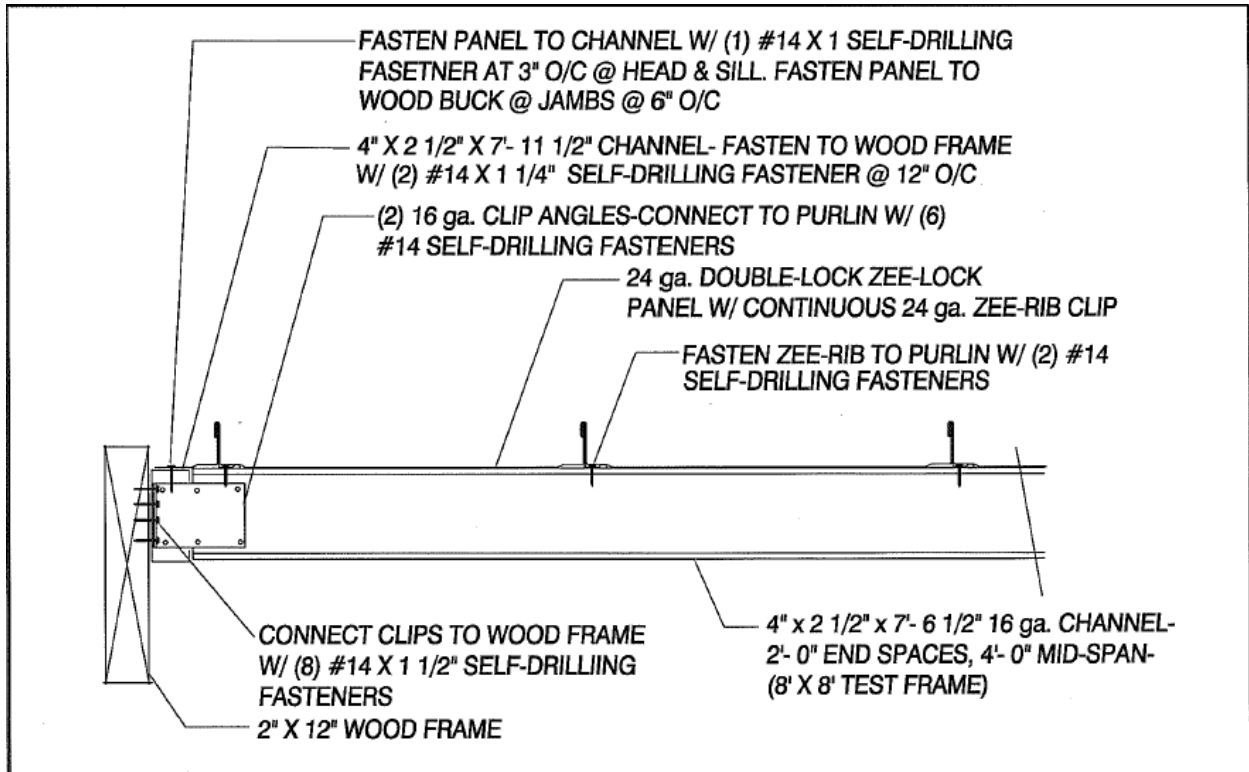



Berridge
Manufacturing
Company

Roofs of Distinction

APPENDIX A

Drawings



	<p>BERRIDGE DOUBLE-LOCK ZEE-LOCK PANEL 24 ga., 40 KSI STEEL</p>	<p>DATE 1-24-2007</p>
	<p>LARGE MISSILE IMPACT TEST FOR FLORIDA PRODUCT APPROVAL</p>	

DRAWN BY:
RCM