

April 27, 2001

Engineering Report 21093-1

Construction Metal Products, Incorporated  
CMP Series 2500 16-inch Wide Panel  
Galvanized Steel with 48-inch Clip Spacing  
ASTM E1592 Uniform Pressure Test

### **SUMMARY**

On March 12, 2001, testing was initiated on Construction Metal Products, Incorporated CMP Series 2500 G-90 galvanized steel roof panels to determine their loading characteristics under uniform static uplift loads. The panels were 16-inches wide with nominal 2-inch high ribs and were constructed of 24 gage, 50 KSI yield strength, Grade 50 steel. The panels were installed with 18 gage steel clips attached to the support purlins on spans of 48-inches using two fasteners per clip. The panels were tested with both ends open.

The panels were tested in accordance with ASTM E1592, "Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference." The panels held a maximum one-minute interval load of 83.2 PSF and failed at approximately 87 PSF when three of the panels pulled completely out of their clips. The clips remained firmly attached to the support purlins.

If you have any question or need additional information, please contact us.

Respectfully submitted,

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