



July 25, 1996

ATTN: John A. Meyer Jr.
Vermont Slate & Copper Services, Inc.
P.O. Box 430
Stowe, VT 05672

RE: Snow Load Simulation for Pipe Style Snow Guards

Dear Mr. Meyer:

The aluminum pipe samples supplied were arranged with various spans and loaded to simulate snow loading. The assembly was loaded in the center of the member by point load which was then mathematically converted into an equivalent uniform load. The assembly was only loaded to the point at which it would still return to its original shape. Please note that aluminum is a material that after continuous loading, no matter how slight, will not always return to its original shape. Please design safety factors accordingly. The following results were recorded:

PIPE STYLE SNOW GUARD

<u>Span</u>	<u>Maximum Deflection Without Deformation</u>	<u>Total Equivalent Uniform Load</u>	<u>Load Per Linear Foot</u>
4'-0"	2.00"	640 lbs.	160 lb./ft.
3'-0"	1.75"	1160 lbs.	387 lb./ft.
2'-6"	1.57"	1680 lbs.	672 lb./ft.
2'-0"	1.00"	1480 lbs.	740 lb./ft.

The above loads are for individual pipes. If you have any questions, please call the undersigned at 1-800-244-6131.

Respectfully Submitted,

Tripp Randolph