

Product Evaluation

RE: Review of AIL Sound Wall Tuf-Barrier System

PRODUCT

AIL Sound Wall Tuf-Barrier System is manufactured and distributed by Atlantic Industries Ltd located in Ayr, Ontario.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The AIL Sound Wall Tuf-Barrier System is a post and non-perforated vinyl pane; reflective noise barrier wall system for commercial and residential applications. The Tuf-Barrier has an overall density of more than 4 pounds per square foot and able to withstand a considerable wind live load. Product Web Link:: <http://hlhwalls.com/>

DESCRIPTION

AIL Sound Wall Tuf-Barrier System panel is comprised of tonque and groove PVC rail, with rail dimensions of 2.75" X 6", rails are stacked one upon the other, seeded within standard steel I-Beams to the desired height and capped with a flat top finishing rail.

POTENTIAL USAGE

AIL Sound Wall Tuf-Barrier System is ideal for slope conditions, directional changes and difficult site access situations. AIL Sound Wall Tuf-Barrier System has been used in the US States of Washington, Georgia, North and South Carolina and is currently under review in California, Texas, Illinois and Ohio. All Provincial submittals are currently underway.

STANDARDS

ASTM E90
AASHTO Design Guide Specifications for Structural Design of Sound Barriers
CSA-S6 Canadian Highway and Bridge Design Code
CSA Z107.0 Canadian Standard for Noise Barriers

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product

APPLICABLE STANDARDS

Alberta Transportation have no specifications for sound attenuation, however **sound walls are to be installed outside the clear zone.**

RECOMMENDATIONS:

AIL Sound Wall Tuf-Barrier System be listed as a Proven Product under Alberta Transportation Products List, Sound Attenuation Wall Systems – Proprietary, based on the information provided.

TRIAL PROJECTS

SE Stony Trail project, McKenzie Lake Blvd and Highway 22X in Calgary

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow
Clayton Matwychuk/Jim Gavin