

RICHARD BARRIOS, CONSULTING ENGINEER, INC.
10212 WORTHINGTON LANE, PROSPECT, KENTUCKY 40059 (502) 412-2199

Date: March 21, 2007

Mr. Peter Mantay
Audience Systems, Ltd.
Washington Road, West Wilts Trading Estate
Westbury, Wiltshire, BA13 4JP England

RE: TX Platform System Bleacher Project

Dear Mr. Mantay:

Per your request, an analysis of the Audience Systems TX Platform Telescopic Bleacher System was performed. The purpose of the analysis was to determine if the TX Bleacher System is adequate to support the design loads specified in the 2003 International Building Code, the 2004 Uniform Building Code, and the NFPA 102 Standard Code for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures.

The telescopic bleacher systems come in units of multiple rows ranging from 3 to 18. A typical bleacher bank is approximately 20'-0" in length. The loads used in the design analysis of the bleachers are as follows:

- Uniformly distributed minimum live load of 100 psf applied to structural members.
- Sway Load of 24 lb/ft per row length parallel to seating.
- Sway Load of 10 lb/ft per row length perpendicular to seating.

It has been determined that the structural members for the bleachers meet or exceed the load requirements specified in the above mentioned codes. The design of the bleachers is consistent with the practice of structural steel building design.

Sincerely,



Richard Barrios, Professional Engineer
Kentucky P.E. Reg. #15619



3-21-07