



June 24, 2011

Mr. Maurizio Bertato  
Liv Outdoor International Inc.  
72 Button Cres.  
Uxbridge, Ontario  
L9P 1Z6

**Re: Deckorators Railing System**

Dear Mr. Bertato:

Further to your request, we have reviewed the Decorators railing system for conformance to the 2006 Ontario Building Code, OBC Standard Guideline SB-7 "Guards for Housing and Small Buildings", and the 2010 National Building Code of Canada.

The specifications for the railing system components are as follows:

- Classic balusters, which are 3/4" diameter x 0.05" thick painted aluminum grade 6063-T6 (minimum yield strength of 25 ksi).
- Estate balusters, which are 3/4" x 3/4" square x 0.05" thick painted aluminum grade 6063-T6 (minimum yield strength of 25 ksi).
- Colonial balusters, which are 3/4" diameter (at the ends) x 0.05" thick painted aluminum grade 6063-T6 (minimum yield strength of 25 ksi).
- Baroque and Arc balusters, which are 1" wide x 0.19" thick " thick painted aluminum grade 6063-T6 (minimum yield strength of 25 ksi).
- Traditional balusters, which are 1" wide x 1/2" deep x 0.05" wall painted aluminum tubes, grade 6063-T6 (minimum yield strength of 25 ksi).
- Glass Balusters (minimum modulus of rupture of 36 ksi) marked with the following:
  - Deckorators Inc. 8mm
  - Single-fully tempered Glass
  - 6 CFR 1201. Part II Standard ANSI Z97.1-1984 (R-1994)
- Deckorators connectors for attachment of the classic, colonial and estate balusters.
- Liv Outdoor nylon rail brackets c/w screws for attachment of the vertical rails to the support posts, and the pipe rails to the posts. Brackets have been subjected



to UV resistance testing in accordance with ASTM D 7032 (refer to Architectural Testing report No. A6964.01-119-19 dated 05/31/11).

- Deckorators pipe rail, which is 1.5" diameter x 0.065" thick painted aluminum grade 6061-T6 (minimum yield strength of 35 ksi).
- Deckorators aluminum rail, which is 1.5" x 3.5" x 0.075" thick painted aluminum grade 6063-T6 (minimum yield strength of 25 ksi).

This system will conform to the Ontario Building Code and the National Building Code provided they are used as outlined on the attached drawings S1 to S13 sealed June 24, 2011.

I trust this is the information you require.

Yours truly,

Stephen Boyd, P.Eng.



C:\Documents and Settings\Steve\My Documents\SJB-3\Livoutdoor\11-120 LivOutdoor 2011\11-120 Livoutdoor - June 24-11.doc