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September 30, 2011

Safety in a Second

Attention: Mr. Steve Beaudot

Reference: Engineering Certification

Dear Mr. Beaudot:

This document has been prepared as a review of the safety fence design used in many provinces in Canada and requiring certification for use in the Province of Saskatchewan.

The documents reviewed include the following:

- Drawing E1 – Titled as Typical Fence Detail, prepared by Bowman Steel Management Inc. and Raycon Steel Inc. and certified by Gord Bowman in the Province of Ontario and Alberta.
- Drawing E1 – Titled as Views of Safety Fence, prepared by Bowman Steel Management Inc. and Raycon Steel Inc. and certified by Gord Bowman in the Province of Alberta.
- Drawing RSU3E - Titled as Typical Galvanized Expandable Panel, prepared by Bowman Steel Management Inc. and Raycon Steel Inc. and certified by Gord Bowman in the Province of Alberta.
- Letter from Bowman Steel Management Inc. dated December 16, 2008 witnessing a drop test on the fence bottom anchor lug and the capacity of the concrete anchors.
- Report prepared by BMT Fleet Technology Ltd. for the analysis and laboratory testing of the Guard Rail Post anchor lug.

After the review of the documents and in communications with yourself and your partner, Mr. Kevin Perris, the Guard Rail Post anchor loop and the anchorage requirements are acceptable for the requirements of lateral and vertical loads on the fence section, including the Saskatchewan Occupational Health and Safety Regulations of 5,000 pounds fall arrest load. It should be noted that the loop cannot be used for a fall arrest anchor by a worker on that floor as it would allow a fall distance more than 4 feet and thereby, exceed the distance specified in the Regulations.

Thank you for the opportunity to assist in this regard. Please call at your convenience should you have any questions.

Yours truly

T.L. (Tim) Heisler, M.Sc., P.Eng.  
Civil/Structural Engineer

