

## Group Eight Engineering Limited

Consulting Engineers

Structural • Mechanical • Electrical

627 Main Street East  
Hamilton, ON L8M 1J5

Tel: (905) 525-6069

Fax: (905) 528-7310

E-Mail: [info@group8eng.com](mailto:info@group8eng.com)

Website: [group8eng.com](http://group8eng.com)

September 7, 2001

Protective Roofing Products Ltd.  
10 Pineland Avenue, Unit #5  
Stoney Creek, Ontario  
L8E 3A5

**Attention:** Mr. Ted Palmer  
President

**Subject:** Protective Roofing Products Ltd.  
PR600 Mobile Anchoring System  
Our Project No. 00068

Dear Sir:

Further to your request, we have analyzed the minimum ballast weight required in the PR600 to resist a 2 ft. fall by one person who is attached to the PR600.

The analysis was based on the dimensions and dead weights of the PR600 as detailed on Group Eight Engineering Limited's drawing S-1, Project No.00068.

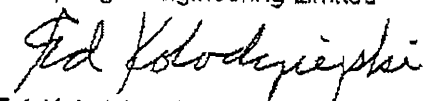
In addition, for the analysis, the horizontal arresting force applied at the anchor ring for a single person application was 800 lbs. This value was based on a previous 237 lb/2 ft - 4inch drop test that was performed and resulted in a 770 lb measured arresting force.

Based on the above, we would recommend that a minimum ballast weight of 300 lbs be provided in order to safely resist a single person's fall. Using this ballast weight, the factor of safety in the anchoring system will be greater than 2.

We trust that above comments are adequate for your purposes.

Yours truly,

Group Eight Engineering Limited

  
E.A.Kolodziejcki, P.Eng.

/cw

Visit our Website - [group8eng.com](http://group8eng.com)

Principals: E.H. Chapman, P.Eng.; A.E. Cipriani, P.Eng.; A.P. Cyriac, P.Eng.; G.E. Elliott, P. Eng. (Honorary);  
E.A. Kolodziejcki, P.Eng.; G.G. Masis, P.Eng.; D.L. Thompson, P. Eng.; M.W. Wickham, P.Eng.