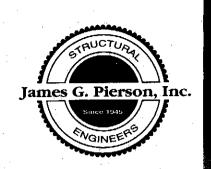
May 18, 2006

Paul Klein William Hawkins Architects 1425 SW 20<sup>th</sup> Ave Portland, Oregon 97201



## Tension Straps Muller Addition

Dear Paul:

As we discussed, the tension ring (Detail R3 and R3a on Sheet S2) was re-analyzed and modified during the plan review process. I had to modify the previous design based on the roof slope and actual dimensions. In my design calculations for the number of lag bolts, I did not use or consider the CS16 strap that is shown on Detail R3 in resisting the tension forces. I had all of the loads going through the steel plates and lag bolts. It appears that the CS strap is just a supplementary connection now that helps but is not really required.

Sincerely yours,

Peder Golberg, P.E., S.E. Principal

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**Consulting Structural Engineers**