## MOMENT RESISTING STEEL CONNECTIONS UNDER BLAST EFFECTS

T. Krauthammer, M. Zineddin, and J.H. Lim
Protective Technology Center, Penn State University, State College, PA, USA
and
G.J. Oh
Weidlinger Associates, Inc., New York, NY, USA

## **ABSTRACT**

This paper describes the latest phase in a study to assess the effects of blast loads on the behavior of structural steel connections, and how current design procedures might be used for such applications. Moment resistant structural steel connections, with and without seismic considerations were subjected to simulated blast loads that could be associated with internal explosions. Current blast resistant design procedures and advanced numerical simulations were used for the assessments, and the results are compared and discussed. Conclusions and recommendations are provided.

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