

Designing And Altering Buildings To Resist Blast Loading

Terrorist bombings have occurred with unwelcome regularity in the United Kingdom during the last thirty years, associated primarily with the problems of Ulster. During recent years these events have not been confined solely to Northern Ireland. Bombs in London, Manchester and elsewhere in mainland UK have had a devastating effect on both people and buildings.

This paper contains extracts from the book "*Blast Effects on Buildings*" edited by GC Mays and PD Smith published by Thomas Telford in 1995 (ISBN No 07277 2030 9). This book, which has the subtitle "Design of buildings to optimize resistance to blast loading", was prepared by a Working Party convened by the Structures and Buildings Board of the Institution of Civil Engineers and includes contributions from consulting civil engineers, academia and UK government establishments. It is complementary to the document "*The structural engineer's response to explosion damage*" prepared by an Institution of Structural Engineers working group and published in 1995 (ISBN No 1 874266 20 4).

The paper contains what is essentially a precise of the some of the material concerned with enhancing the resistance of buildings to bomb blasts.