

Structural Response of Non-Loadbearing Masonry Under Dynamic Lateral Loading Caused by Scud Missile Attacks in Riyadh

M.A. Amjad¹

Abstract*:

During Operation Desert Storm (the Gulf War), the city of Riyadh was attacked by more than 20 Scud missiles. Although the explosive impact of these missiles was recorded by earthquake monitors at King Saud University to have had a magnitude of less than 1.5 on the Richter Scale, damage to building structures was localized and was related to the distance from the explosion or impact. More than 158 buildings were affected, eight of which collapsed as a result of the attacks.

**Note that older issues of The Masonry Society Journal did not require abstracts. The excerpt above has been extracted from the introduction of the article by the Editors.*

To purchase full article: Please use this direct link to purchase the TMS Journal Volume of this article, Volume 14, Issue 1: <https://masonrysociety.org/product/tms-ejournal-vol-14-no-1/>

Otherwise, consider becoming a TMS member for full access to all TMS Journal articles: <https://masonrysociety.org/membership/#join>

DOI: 10.70803/001c.142817

¹ Associate Research Professor, King Abdulaziz City for Science and Technology, Kingdom of Saudi Arabia