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Experimental and Numerical Study of Unreinforced Clay Brick Masonry Walls Subjected to Vented Gas Explosions

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## Highlight

- Field test of unreinforced clay brick masonry walls against vented gas explosions was conducted
- Numerical model of masonry walls under gas explosion was calibrated with test data
- Parametric studies of masonry walls was carried out with the calibrated model
- Compare gas explosion loads recorded in tests and predicted by design guides

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