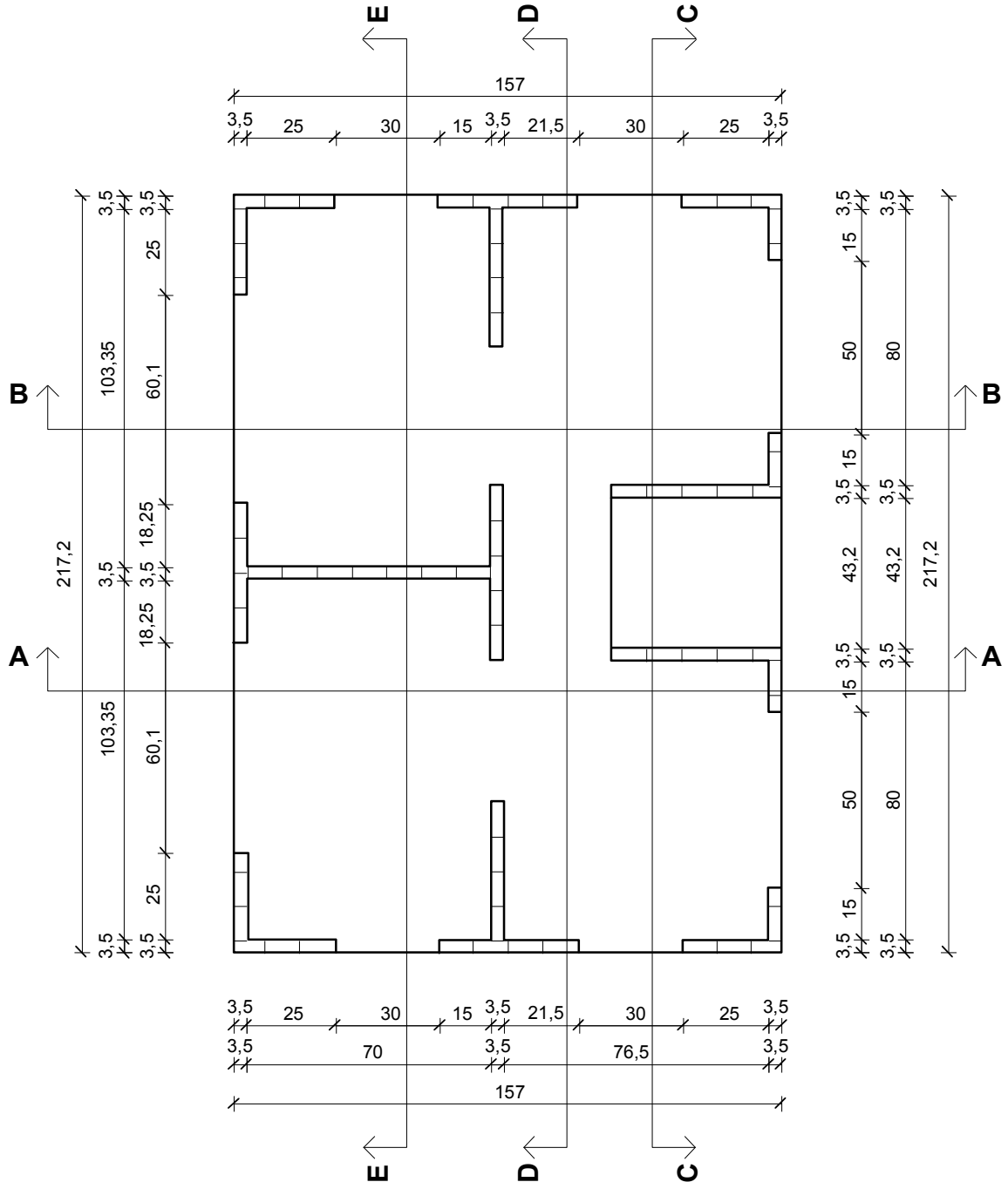


From Marjana Lutman and Miha Tomazevic:

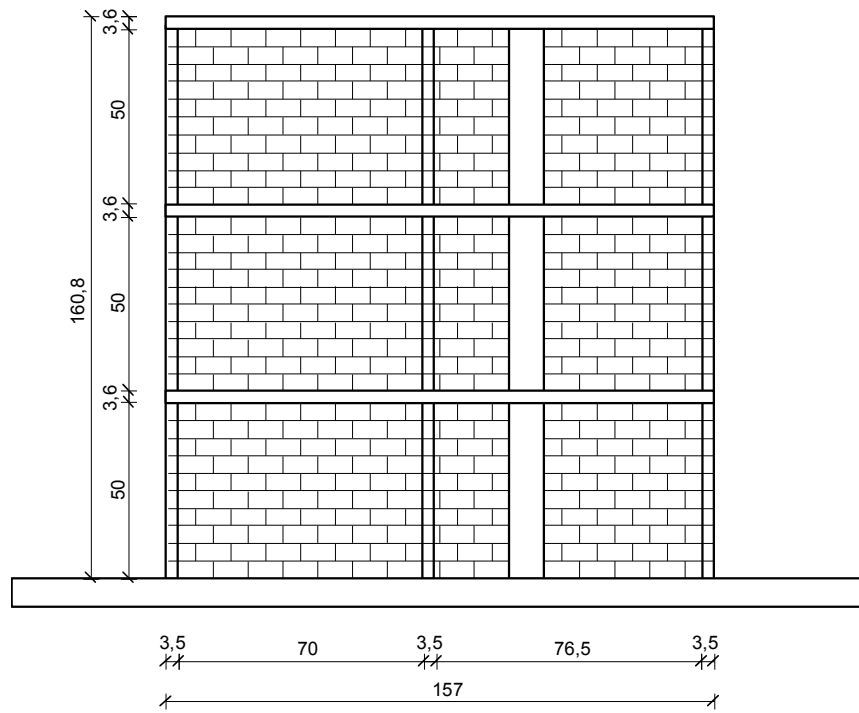
This is an analysis for plain masonry structures. Information is best understood by testing a building and not only a wall specimen, we have prepared all basic results of shaking-table test of a plain masonry structure - a model house, carried out in ZAG. The model has been exposed to 6 phases with increased amplitude of an earthquake (5%, 10%, 25%, 50%, 75% and 100%) These original files (Excel files) are ready to use for further analysis. Each of these 6 files are listed separately. This file contains some basic information about the building.

**MODEL DATA: SCALE 1:5, hollow units (prototype)
modeled as full bricks**

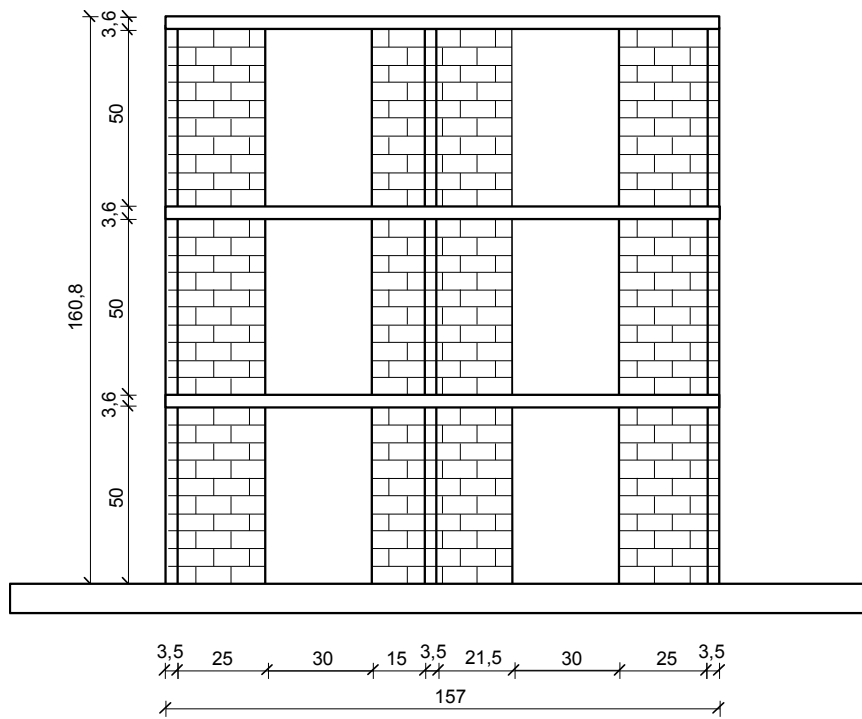
CONFIGURATION: PLAN



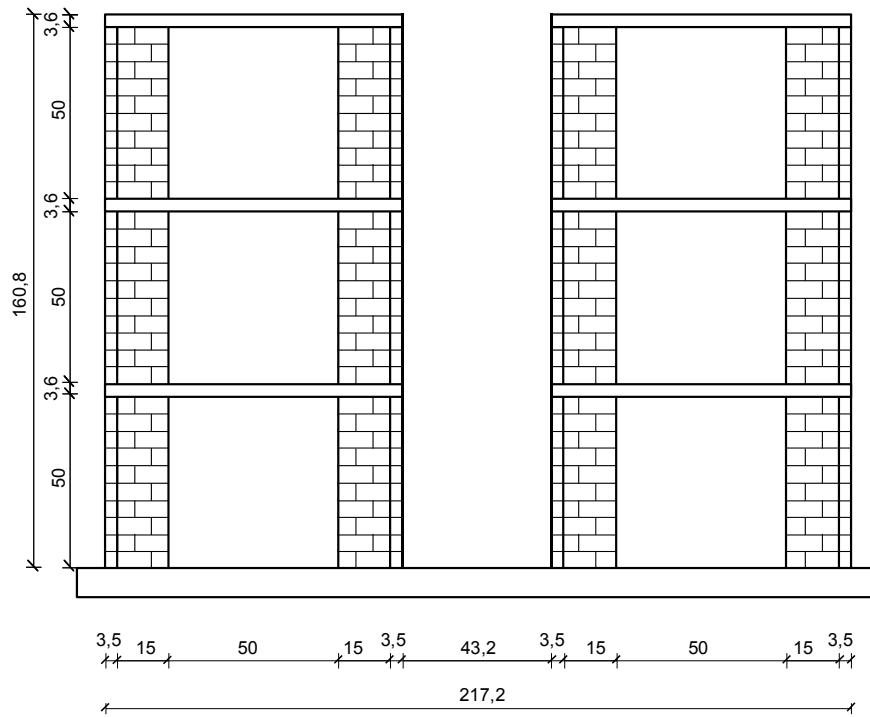
CONFIGURATION: SECTION A



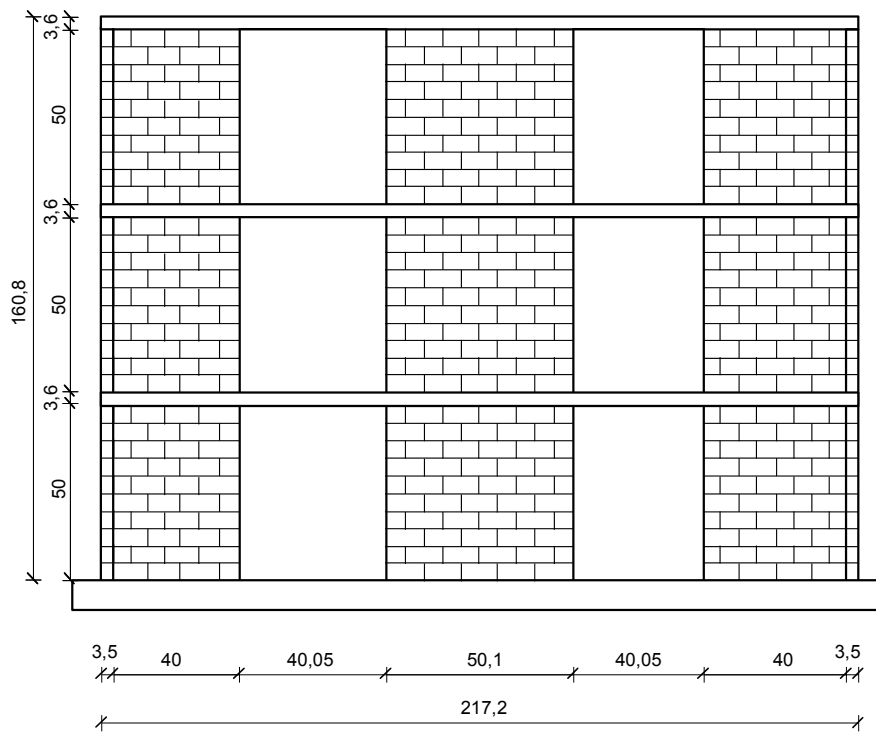
CONFIGURATION: SECTION B



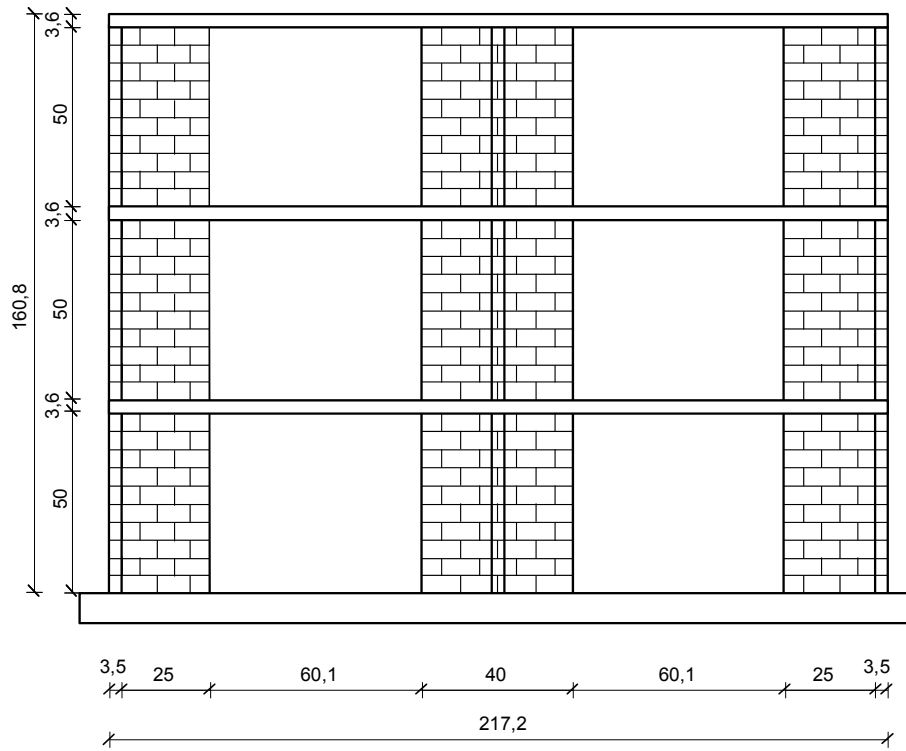
CONFIGURATION: SECTION C



CONFIGURATION: SECTION D



CONFIGURATION: SECTION E



MASSES OF MASONRY WALLS m_w , FLOORS m_f (DEAD LOAD) AND WEIGHTS m_l (LIVE LOAD), CONCENTRATED AT FLOOR LEVELS, AND TOTAL MASS OF THE MODELS m_{tot} (IN kg):

Model		1st floor	2nd floor	3rd floor	Total mass
M2-2	Masonry m_w	70	70	35	
	Floor slab m_f	218	218	218	
	Weights m_l	300	300	480	
	Total/floor	588	588	553	1764

MATERIAL PROPERTIES:

Quantity	Value
Compressive strength of units (MPa)	2,91
Specific weight of units (kN/m^3)	6,8
Compressive strength of mortar (MPa)	1,34 - 1,16
Compressive strength of masonry (MPa)	1,85
Tensile strength of masonry (MPa)	0,06
Modulus of elasticity (MPa)	700
Shear modulus (MPa)	68,9

INSTRUMENTATION:

