Cyprus: Summary of Building Types, Vulnerability to Collapse and Occupancy

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WHE Construction Type or Material *refer to Table 2 for suggested category(ies)* (1)	Description of construction type (type of load-bearing structure) *(refer to Tables 2 and 3 for suggested categories and sources of data to help answer this question)* (2)	Estimate of probability of collapse (%) of the building type when subjected to the specified shaking intensity (expressed as a range) *(refer to instructions page 5)* (3) MMI / EMS / MSK				Fraction of population who LIVES in this building type *(refer to instructions for help in estimating)*		Fraction of WORKING population who WORKS in this building type *(refer to instructions on page 5 for help in estimating)*		Peak average number of occupants per building *(refer to instructions on page 5 for help in estimating)* (8)
		IX (~0.65-1.24g)	VIII (~0.34-0.65g)	VII (~0.18-0.34g)	VI (~0.092-.18g)	urban areas (4)	rural areas (5)	urban areas (6)	rural areas (7)	
Masonry	2. Massive stone masonry in lime mortar	100	98	45	15	2	5	4	5	6
Masonry	5.Adobe block walls	100	100	85	25	7	10	7	11	6
Masonry	9. Unreinforced clay brick masonry in cement mortar with reinforced	100	65	30	5	3	5	3	5	6
Structural concrete	14. R.C. moment resisting frames with unreinforced masonry infill,	90	40	15	0	48	43	42	34	40
Structural Concrete	16. R. C. moment resisting frames with unreinforced masonry infill	35	10	1	0	30	35	28	39	60
Structural concrete	19. Moment resisting frames with concrete shear walls	15	5	0	0	10	1	14	5	70
Steel	27. Steel moment resisting frames	10	2	0	0	0	0	2	0	70
Load bearing timber frame	32. Stud wall frame with plywood sheathing	15	1	0	0	0	1	0	1	5

Refer to Part 3 (next 3 pages) for tables and links that may help you fill out this form.

If you do not know some of the answers please indicate so with a dash ----- or ?. Use 0 only when you know the number or percent IS 0.

Other sources consulted:

Kyriakos Solomis, Seismology Department, Ministry of Agriculture and Natural Resources, Nicosia, Cyprus, gsd@cytanet.com.cy
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C. Chrysostomou, T. Algermissen, A. Rogers, T. Demetriou. Seismic risk assessment of Nicosia, Cyprus. Paper 3148. World conference on Earthquake Engineering, Vancouver, 2004.