		HAZUS PARAMETERS												VULNERABILITY PARAMETERS				STRUCTURAL IDENTIFICATION			APPROACH IDENTIFICATION		
AUTh building type	Description	Dy (cm)	Ay (g)	Du (cm)	Au (g)	Sdc	BE	Kshort	kmed	Klong	I45	θ 14	β 14	pc	Natural period	ductility factor	strength reduction factor	failure mode	vertical structure	horizontal str	Pager structure ty	Lit reference	analytical approach	procedure name
RC4.1LL	RC dual system, Low seismic code design (1959), Low-rise (2 storeys), No infill walls	0.27	0.25	3.53	0.42	4.82						4.38			0.21	13.1							Capacity Spectrum	
RC4.2LL	RC dual system, Low seismic code design (1959), Low-rise (2 storeys), Fully infilled	0.43	0.40	3.55	0.52	4.67						4.24			0.18	8.3								
RC4.3LL	RC dual system, Low seismic code design (1959), Low-rise (2 storeys), Soft storey (pilotis)	0.31	0.30	3.56	0.45	4.33						3.93			0.19	11.4								
RC4.1ML	RC dual system, Low seismic code design (1959), Medium-rise (4 storeys), No infill walls	0.97	0.17	5.24	0.25	5.77						5.24			0.47	5.4								
RC4.2ML	RC dual system, Low seismic code design (1959), Medium-rise (4 storeys), Fully infilled	0.86	0.23	5.39	0.28	6.68						6.07			0.38	6.2								
RC4.3ML	RC dual system, Low seismic code design (1959), Medium-rise (4 storeys), Soft storey (pilotis)	0.79	0.21	5.12	0.27	6.06						5.51			0.39	6.5								
RC4.1HL	RC dual system, Low seismic code design (1959), High-rise (9 storeys), No infill walls	3.52	0.19	16.97	0.20	18.66						16.97			0.79	4.8						1. Kappos, A., Panagopoulos, G., Panagiotopoulos, C., & Penelis, G. (2006). A hybrid method for the vulnerability assessment of R/C and URM buildings. Bulletin of Earthquake Engineering, 4(4), 391-413. 2. Kappos, A.J., and Panagiotopoulos, C., "Inelastic static analysis of infilled R/C buildings", ICCES'03 (Corfu, Greece, July 2003), CD ROM Proceedings.		
RC4.2HL	RC dual system, Low seismic code design (1959), High-rise (9 storeys), Fully infilled	2.88	0.24	12.32	0.26	19.02						17.29			0.62	4.3								
RC4.3HL	RC dual system, Low seismic code design (1959), High-rise (9 storeys), Soft storey (pilotis)	2.75	0.23	12.13	0.25	19.03						17.30			0.62	4.4								
RC4.1LH	RC dual system, High seismic code design (1995), Low-rise (2 storeys), No infill walls	0.53	0.70	17.42	0.80	34.55	5%					28.79	0.60-0.80		0.18	32.7		Failure at the base of R/C walls	R/C dual structure (R/C walls and frames)	Rigid diaphragm (R/C slab)	C6			
RC4.2LH	RC dual system, High seismic code design (1995), Low-rise (2 storeys), Fully infilled	0.44	0.75	17.46	0.86	34.70						28.91			0.16	39.8								
RC4.3LH	RC dual system, High seismic code design (1995), Low-rise (2 storeys), Soft storey (pilotis)	0.49	0.73	17.55	0.81	34.84						29.04			0.16	36.1								
RC4.1MH	RC dual system, High seismic code design (1995), Medium-rise (4 storeys), No infill walls	1.28	0.33	29.83	0.36	35.80						29.83			0.40	23.2								
RC4.2MH	RC dual system, High seismic code design (1995), Medium-rise (4 storeys), Fully infilled	1.15	0.41	13.82	0.41	36.24						30.20			0.33	12.0								
RC4.3MH	RC dual system, High seismic code design (1995), Medium-rise (4 storeys), Soft storey (pilotis)	1.10	0.38	15.40	0.39	36.40						30.33			0.34	14.0								
RC4.1HH	RC dual system, High seismic code design (1995), High-rise (9 storeys), No infill walls	6.13	0.37	41.02	0.54	49.22						41.02			0.79	6.7								
RC4.2HH	RC dual system, High seismic code design (1995), High-rise (9 storeys), Fully infilled	4.10	0.37	28.40	0.52	51.06						42.55			0.62	6.9								
RC4.3HH	RC dual system, High seismic code design (1995), High-rise (9 storeys), Soft storey (pilotis)	4.14	0.36	28.91	0.51	52.18						43.48			0.62	7.0								