Table 1. Adopted fragility and consequence function for non-structural components

Component	Fragility Functions			Repair/replacement cost (in USD)		
	DS1	DS2	DS3	DS1	DS2	DS3
Full-height partitions	Retamales et al. (2013) DS1, type 1c	Retamales et al. (2013) DS2, type 1c	Retamales et al. (2013) DS3, type 1c	**78 (0.268)**[2]	**186 (0.101)** [2]	**345 (0.180)** [2]
Partial-height partitions	Retamales et al. (2013) DS1, type 3	Retamales et al. (2013) DS2, type 3	Retamales et al. (2013) DS3, type 3	**78 (0.268)**[2]	**186 (0.101)** [2]	**345 (0.180)** [2]
Glazing partitions	B2023.001, DS1	B2023.001, DS2		**1,370 (0.119)** [1]	B2022.001, DS1	
Exterior glazing	B2022.001, DS1	-	-	B2022.001, DS1	-	-
Precast cladding	Baird et al. (2014) DS1, slotted connection	Baird et al. (2014) DS2, slotted connection	Baird et al. (2014) DS3, slotted connection	Baird et al. (2014) DS1, slotted connection	Baird et al. (2014) DS2, slotted connection	Baird et al. (2014) DS3, slotted connection
Stairs	C2011.011b, DS1	C2011.011b, DS2	C2011.011b, DS3	C2011.011b, DS1	C2011.011b, DS2	C2011.011b, DS3
Ceiling – 4m by 2.5m	**0.72 g (0.4)** [2]	-	-	**653 (0.06)** [3]	-	-
Ceiling – 4m by 3m	**0.72 g (0.4)** [2]	-	-	**784 (0.06)** [3]	-	-
Ceiling – 4m by 4m	**0.72 g (0.4)** [2]	-	-	**1050 (0.06)** [3]	-	-
Ceiling – 4m by 8m	**0.70 g (0.4)** [2]	-	-	**2090 (0.06)** [3]	-	-
Ceiling – 6.5m by 2m	**0.46 g (0.4)** [2]	-	-	**849 (0.06)** [3]	-	-
Ceiling – 6.5m by 8m	**0.46 g (0.4)** [2]	-	-	**3400 (0.06)** [3]	-	-
Ceiling – bracing	**0.72 g (0.4)** [2]	-	-	**1880 (0.06)** [3]	-	-
Traction elevators	D1014.011, DS1	-	-	D1014.011, DS1	-	-
Water pipe system	D2021.013b, DS1	D2021.013a, DS1	D2021.013a, DS2	D2021.012b, DS1	D2021.014a, DS1	D2021.014a, DS2
Sanitary pipe system	D2031.013b, DS1	-	-	D2031.013b, DS1	-	-
HVAC – chiller capacity	D3031.013e, DS1	-	-	**153,000 (0.172)** [1]	-	-
HVAC – Cooling tower capacity	D3031.023e, DS1	-	-	**78,000 (0.176)** [1]	-	-
HVAC – ducts < 6 ft^2	D3041.011c, DS1	D3041.011c, DS2	-	**1,250 (0.127)** [1]	**15,950 (0.136)** [1]	-
HVAC – drops and diffusers	D3041.032c, DS1	-	-	D3041.032a, DS1	-	-
HVAC – coils	D3041.001c, DS1	D3041.001c, DS2	-	D3041.001a, DS1	D3041.001a, DS2	-
HVAC – VAV boxes	D3041.041b, DS1	-	-	**1,500 (0.139)** [1]	-	-
HVAC – air handling units	D3052.013e, DS1	-	-	**MDS1 – 1,500 (0.171)** [1] **MDS2 – 59,000 (0.174)** [1]	-	-
Fire sprinklers - drops	D4011.033a, DS1	-	-	D4011.033a, DS1	-	-
Fire sprinklers - pipes	D4011.023a, DS1	D4011.023a, DS2	-	D4011.021a, DS1	D4011.021a, DS2	-
Transformers 100 to 350 kVA	D5011.013e, DS1	-	-	**24,250 (0.181)** [1]	-	-

[1]These are cases where the median values were obtained from the consequence estimation tool spreadsheet. The dispersion were obtained from PACT where available, and assumed to be 0.4 otherwise.
[2]These values were obtained from Dhakal et al. (2016a).
[3]These values were obtained from Dhakal et al. (2016b).

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