

TABLE F2
ANNUAL PROBABILITY OF EXCEEDANCE OF THE DESIGN EVENTS
FOR ULTIMATE LIMIT STATES

Design working life	Importance level	Design events for safety in terms of annual probability of exceedance			
		Wind		Earthquake	Snow
		Cyclonic	Non-cyclonic		
Construction equipment, e.g., props, scaffolding, braces and similar	2	1/250	1/100	1/50	1/100 *
Less than 6 months	1	1/250	1/25	1/25	1/25 * †
	2	1/250	1/100	1/50	1/100 *
	3	1/500	1/250	1/100	1/250 *
	4	1/1000	1/1000	1/250	1/1000
5 years	1	1/250	1/25	1/25	1/25 †
	2	1/250	1/250	1/50	1/250 *
	3	1/500	1/500	1/100	1/500
	4	1/1000	1/1000	1/250	1/1000
25 years	1	1/250	1/50	1/25	1/50 * †
	2	1/250	1/250	1/50	1/250 *
	3	1/500	1/500	1/100	1/500
	4	1/1000	1/1000	1/250	1/1000
50 years	1	1/250	1/100	1/50	1/100 *
	2	1/500	1/500	1/150	1/500
	3	1/1000	1/1000	1/250	1/1000
	4	1/2500	1/2500	1/500	1/2500
100 years or more	1	1/500	1/250	1/100	1/250
	2	1/1000	1/1000	1/250	1/1000
	3	1/2500	1/2500	1/500	1/2500
	4	‡	‡	‡	‡

* For Australia, earthquake loads for these annual probabilities are low and unlikely to control the design, but it is important to provide appropriate detailing to achieve the performance required.

† Structures for primary produce with low human occupancy need not be designed for earthquakes.

‡ For importance level 4 structures with design working life of 100 years or more, the design events are determined by a risk analysis but need to have probabilities less than or equal to those for importance level 3.