

Table 6.2. Amplification and Behaviour Factors for architectural components

Architectural element or component	B_e	q_e
Nonstructural plain masonry internal walls and partitions	1.0	1.5
Nonstructural other internal walls and partitions	1.0	2.5
Cantilever elements unbraced or braced below their centres of gravity (parapets, cantilever internal walls, laterally supported chimneys, etc)	2.5	2.5
Cantilever elements braced above the centre of gravity (cantilever internal walls, chimneys, etc)	1.0	2.5
External walls and connections	1.0	2.5
Wood panels	1.0	1.5
Penthouses independent from structural system	2.5	3.5
Suspended ceilings	1.0	2.5
Storage cabinets and laboratory equipment	1.0	2.5
Access floors	1.0	1.5
Signs and billboards	2.5	2.5
Other rigid components	1.0	2.5
Other flexible components	2.5	2.5

Table 6.3. Amplification and Behaviour Factors for mechanical/electrical components

Mechanical/electrical element or component	B_e	R_e
Boilers and Furnaces	1.0	2.5
Pressure vessels on skirts and free-standing	2.5	2.5
Stacks	2.5	2.5
Cantilevered chimneys	2.5	2.5
Other	1.0	2.5
Piping Systems		
High deformability elements and attachments	1.0	3.5
Limited deformability elements and attachments	1.0	2.5
Low deformability elements and attachments	1.0	1.5
HVAC System Component		
Vibration isolated	2.5	2.5
Non-vibration isolated	1.0	2.5
Mounted in-line with ductwork	1.0	2.5
Other	1.0	2.5
Elevator Components	1.0	2.5
Escalator Components	1.0	2.5
General Electrical		
Distribution systems (bus ducts, conduit, cable tray)	2.5	4.0
Equipment	1.0	2.5
Lighting Fixtures	1.0	1.5