

(e) *Braced frame-dominant dual system (concentric bracing)* is defined as a structural system composed of concentrically braced frames, which resist more than 50% of the total calculated base shear, in combination with moment-resisting frames and/or eccentric braced frames.

(f) *Braced frame-dominant dual system (eccentric bracing)* is defined as a structural system composed of eccentrically braced frames, which resist more than 50% of the total calculated base shear, in combination with moment-resisting frames and/or concentric braced frames.

(g) *Wall-dominant dual system (coupled walls)* is defined as a structural system composed of coupled structural walls, which resist more than 50% of the total calculated base shear, in combination with moment-resisting frames and/or uncoupled walls and/or eccentric or concentric braced frames.

(h) *Wall-dominant dual system (uncoupled walls)* is defined as a structural system composed of uncoupled (isolated) structural walls, which resist more than 50% of the total calculated base shear, in combination with moment-resisting frames and/or coupled walls and/or eccentric or concentric braced frames.

(i) Inverted pendulum structures, which are defined in 3.1.3.1 are structures where dissipative zones are located at the bases of columns.

4.1.3.2 – Steel buildings may be classified to one type of structural system in one horizontal direction and to another in the other.

4.1.3.3 – Behaviour factors for all structural types of *Low Ductility Class* (DCL) shall be taken as $q = 1$.

4.1.3.4 – Behaviour factors for structural types of *Normal Ductility Class* (DCN) shall be taken from **Table 4.1**.

Table 4.1 – Behaviour Factors (q) for steel structural types

Structural type	q
Moment resisting frame system	5.0
Eccentric braced frame system	5.0
Concentric braced frame system	3.5
Frame-dominant dual system	4.0
Braced frame-dominant dual system (eccentric bracing)	4.0
Braced frame-dominant dual system (concentric bracing)	3.5
Wall-dominant dual system (coupled walls)	3.0
Wall-dominant dual system (uncoupled walls)	2.0
Inverted pendulum system	1.5

4.1.4. Material Requirements

4.1.4.1 – Structural steel shall conform to standards referred to in EN 1993.