Φ_{yin} = In buildings with floors modelled as rigid diaphragms, horizontal component of n'th mode shape in the y direction at i'th storey of building

$\Phi_{\theta in}$ = In buildings with floors modelled as rigid diaphragms, rotational component of n'th mode shape around the vertical axis at i'th storey of building

ϕ_y = Yield curvature corresponding to nominal plastic moment

ϕ'_y = Curvature corresponding to first-yield

Γ_{xn} = Participation Factor of n'th mode for x direction earthquake

γ_{ov} = Material overstrength factor

γ_{pb} = Factor applied to design value $N_{pl,Rd}$ of yield resistance in tension of the compression brace in a V bracing

$\bar{\lambda}$ = Non-dimensional slenderness of a member as defined in EN 1993-1-1:2004

μ_φ = Curvature ductility factor

ν_d = Axial force in seismic design situation, normalised to $A_c\, f_{cd}$

Ω = Value of $(R_{di} / E_{di}) \leq q/I$ of the element i of the structure which has the highest influence on the effect E_F under consideration

ω_w = Mechanical ratio of vertical web reinforcement ($\omega_v = \rho_v f_{yd,v} / f_{cd}$)

ω_{wd} = Mechanical volumetric ratio of confining reinforcement

ρ = Tension reinforcement ratio

ρ' = Compression reinforcement ratio

ρ_{max} = Maximum tension reinforcement ratio allowed in the critical region of a primary beam

ρ_{min} = Minimum tension reinforcement ratio to be provided along a beam

θ_i = Second Order Effect Indicator defined at i'th storey of building

θ_p = Rotation capacity of the plastic hinge region

$\sum M_{Rb}$ = Sum of design values of moment resistances of beams framing in a joint in the direction considered

$\sum M_{Rc}$ = Sum of design values of moment resistances of columns framing in a joint in the direction considered

1.1.3. Reference Standards

1.1.3.1 – The following standards are acceptable reference standards to be utilized in combination with this standard:

EN 1990: Eurocode – Basis of structural design

EN 1992-1-1: Eurocode 2 – Design of concrete structures – Part 1-1: General - Common rules for building and civil engineering structures

EN 1993-1-1: Eurocode 3 – Design of steel structures – Part 1-1: General - General rules

EN 1993-1-1: Eurocode 4 – Design of composite steel and concrete structures – Part 1-1: General rules and rules for buildings

EN 1997-1: Eurocode 7 – Geotechnical design – Part 1: General rules

EN 1998-5: Eurocode 8 – Design of structures for earthquake resistance – Part 5: Foundations, retaining structures and geotechnical aspects

1.1.3.2 – Regarding the utilization of the above-referenced Eurocodes, National Application Documents of the United Kingdom may be applied.