

TABLE 5: NOTATIONS

SYMBOL	DESCRIPTION	UNITS
Δ_{pc}	Speedfloor precamber	mm
Δ_{Cr}	Deflection due to creep	mm
Δ_{Gc}	Deflection due to wet concrete & self-weight in the non-composite section	mm
Δ_{shr}	Deflection due to shrinkage	mm
Δ_{Gs}	Deflection due to superimposed dead load	mm
Δ_{YsQ}	Deflection due to short term live load	mm
Δ_{YeQ}	Deflection due to long term live load	mm
G	Uniformly distributed dead load	KPa
Gsdl	Uniformly distributed superimposed dead load	KPa
Q	Uniformly distributed live load	kN/m
I _{st}	Second moment of area of steel alone	mm ⁴
I _{comp}	Second moment of area of composite beam transformed into equivalent steel section	mm ⁴
I _{eff}	Second effective moment of area	mm ⁴
ϕ M _{rc}	Nominal moment capacity of a composite section	kN.m
ϕ M _{sx}	Nominal moment capacity of a non-composite section	kN.m
ϕ V _{rc}	Nominal shear capacity of a composite section	kN
ϕ V _v	Nominal shear capacity of a non-composite section	kN
Z _b	Effective section modulus of Speedfloor bottom chord	mm ³
Z _t	Effective section modulus of Speedfloor top chord	mm ³

REFERENCES

NZS 3404: 1997	Part 1	Steel Structures Standard
	Part 2	Commentary to the Steel Structures Standard
AS/NZS 4600: 1996		Cold-formed Steel Structures
AS/NZS 4600: 1998		Cold-formed Steel Structures - Commentary Supplement 1
AS/NZ 1170	Part 0	Structural Design Actions
	Part 1	Structural Design Actions
AS 2327:1996	Part 1	Australian Composite Structures Standard
NZS 3101: 1995	Part 1	The Design of Concrete Structures
	Part 2	Commentary on the Design of Concrete Structures
HERA publication	No. 71	SPM Software for Design of Floor Slab Panels for dependable inelastic response to severe fire

