

LIST OF SYMBOLS AND ABBREVIATIONS

f_{ck}	-	Compressive Strength of Concrete
f'_{ck}	-	Target Strength of Concrete
Δ_y	-	Yield Displacement
Δ_u	-	Ultimate Displacement
μ_Δ	-	Displacement Ductility
FEA	-	Finite Element Analysis
LVDT	-	Linear Variable Displacement Transducers
P_u	-	Ultimate Load
f_t	-	Split Tensile Strength of Concrete
Φ	-	Curvature
ε_t	-	Longitudinal Compressive Strain at the Top Flange
ε_b	-	Longitudinal Tensile Strain at the Bottom Flange
d	-	Depth of Beam
E	-	Young's Modulus of Elasticity
f_y	-	Yield Strength of Steel
f_u	-	Ultimate Strength of Steel
TFS	-	Top Flange Strain
BFS	-	Bottom Flange Strain
TWS	-	Top Web Strain
BWS	-	Bottom Web Strain