4. SEISMIC DESIGN REQUIREMENTS FOR STRUCTURAL STEEL	
BUILDINGS	50
4.1. SCOPE AND DESIGN CONCEPTS	50
4.1.1. Scope	50
4.1.2. Design Concepts	50
4.1.3. Structural types and Behaviour Factors	50
4.1.4. Material requirements	51
4.2. GENERAL DESIGN CRITERIA AND DETAILING RULES	53
4.2.1. Design rules for ductile elements in compression or bending	53
4.2.2. Design rules for ductile elements in tension	53
4.2.3. Design rules for connections	53
4.3. DESIGN AND DETAILING RULES FOR MOMENT RESISTING FRAME	S 54
4.3.1. Design criteria	54
4.3.2. Beams	54
4.3.3. Columns	55
4.3.4. Beam-column connections	56
4.4. DESIGN AND DETAILING RULES FOR FRAMES WITH CONCENTRIC	
BRACINGS	57
4.4.1. Design criteria	57
4.4.2. Analysis	57
4.4.3. Diagonal members	57
4.4.4. Beams and columns	58
4.5. DESIGN AND DETAILING RULES FOR FRAMES WITH ECCENTRIC	
BRACINGS	60
4.5.1. Design criteria	60
4.5.2. Seismic links	60
4.5.3. Members not containing seismic links	62
4.5.4. Connections of seismic links	63
4.6. DESIGN RULES FOR STEEL BUILDINGS WITH CONCRETE CORES O	R
CONCRETE WALLS	64
4.7. DESIGN RULES FOR INVERTED PENDULUM STRUCTURES	65
5. SEISMIC DESIGN REQUIREMENTS FOR STEEL – CONCRETE	
COMPOSITE BUILDINGS	66
5.1. SCOPE AND DESIGN CONCEPTS	66
5.1.1. Scope	66
5.1.2. Design concepts	66
5.1.3. Structural types and Behaviour Factors	67
5.1.4. Material requirements	68
5.2. STRUCTURAL ANALYSIS	70
5.2.1. Scope	70
5.2.2. Stiffness of sections	70
5.3. DESIGN CRITERIA AND DETAILING RULES FOR DISSIPATIVE	
STRUCTURAL BEHAVIOUR COMMON TO ALL STRUCTURAL TYPES	
5.3.1. Design criteria for dissipative structures	71
5.3.2. Plastic resistance of dissipative zones	71
5.3.3. Detailing rules for composite connections in dissipative zones	71
5.4. RULES FOR MEMBERS	73
5.4.1. General	73
5.4.2. Steel beams composite with slab	74
5.4.3 Effective width of slab	75