

TABLE OF CONTENTS

CHAPTER 1 ADMINISTRATION	1	404	Alteration—Level 2.....	19
Section		405	Alteration—Level 3.....	19
101 General.....	1	406	Change of Occupancy.....	19
102 Applicability	1	407	Additions	19
103 Department of Building Safety.....	2	408	Historic Buildings	19
104 Duties and Powers of Code Official.....	2	409	Relocated Buildings.....	19
105 Permits	3			
106 Construction Documents.....	5	CHAPTER 5 REPAIRS	21	
107 Temporary Structures and Uses	6	Section		
108 Fees.....	6	501 General.....	21	
109 Inspections	7	502 Building Elements and Materials	21	
110 Certificate of Occupancy.....	7	503 Fire Protection.....	21	
111 Service Utilities	8	504 Means of Egress.....	21	
112 Board of Appeals.....	8	505 Accessibility.....	21	
113 Violations	8	506 Structural	21	
114 Stop Work Order	9	507 Electrical	23	
115 Unsafe Buildings and Equipment.....	9	508 Mechanical.....	23	
116 Emergency Measures.....	9	509 Plumbing	23	
117 Demolition.....	10			
		CHAPTER 6 ALTERATIONS—LEVEL 1	25	
CHAPTER 2 DEFINITIONS	11	Section		
Section		601 General.....	25	
201 General.....	11	602 Building Elements and Materials	25	
202 General Definitions.....	11	603 Fire Protection.....	25	
		604 Means of Egress.....	25	
CHAPTER 3 PRESCRIPTIVE COMPLIANCE		605 Accessibility.....	25	
METHOD	13	606 Structural	26	
Section		607 Energy Conservation.....	27	
301 General.....	13			
302 Additions, Alterations or Repairs.....	13	CHAPTER 7 ALTERATIONS—LEVEL 2	29	
303 Fire Escapes.....	15	Section		
304 Glass Replacement	15	701 General.....	29	
305 Change of Occupancy	15	702 Special Use and Occupancy	29	
306 Historic Buildings	16	703 Building Elements and Materials	29	
307 Moved Structures.....	16	704 Fire Protection.....	31	
308 Accessibility for Existing Buildings.....	16	705 Means of Egress.....	33	
		706 Accessibility.....	36	
CHAPTER 4 CLASSIFICATION OF WORK	19	707 Structural	36	
Section		708 Electrical	37	
401 General.....	19	709 Mechanical.....	37	
402 Repairs	19	710 Plumbing	37	
403 Alteration—Level 1.....	19	711 Energy Conservation.....	38	

TABLE OF CONTENTS

CHAPTER 8 ALTERATIONS—LEVEL 3..... 39

Section

801	General.....	39
802	Special Use and Occupancy	39
803	Building Elements and Materials	39
804	Fire Protection	40
805	Means of Egress.....	40
806	Accessibility.....	40
807	Structural	40
808	Energy Conservation	41

CHAPTER 9 CHANGE OF OCCUPANCY..... 43

Section

901	General.....	43
902	Special Use and Occupancy	43
903	Building Elements and Materials	43
904	Fire Protection	43
905	Means of Egress.....	43
906	Accessibility.....	43
907	Structural	43
908	Electrical	44
909	Mechanical.....	45
910	Plumbing	45
911	Other Requirements.....	45
912	Change of Occupancy Classification	45

CHAPTER 10 ADDITIONS..... 49

Section

1001	General.....	49
1002	Heights and Areas	49
1003	Structural	49
1004	Smoke Alarms in Occupancy Groups R-3 and R-4	50
1005	Accessibility.....	50

CHAPTER 11 HISTORIC BUILDINGS..... 51

Section

1101	General.....	51
1102	Repairs	51
1103	Fire Safety	51
1104	Alterations	52
1105	Change of Occupancy	52
1106	Structural	53

**CHAPTER 12 RELOCATED OR MOVED
BUILDINGS..... 55**

Section

1201	General.....	55
1202	Requirements	55

**CHAPTER 13 PERFORMANCE COMPLIANCE
METHODS..... 57**

Section

1301	General.....	57
------	--------------	----

CHAPTER 14 CONSTRUCTION SAFEGUARDS .. 67

Section

1401	General.....	67
1402	Protection of Adjoining Property	68
1403	Temporary Use of Streets, Alleys and Public Property	68
1404	Fire Extinguishers	68
1405	Exits	69
1406	Standpipe Systems.....	69
1407	Automatic Sprinkler System.....	69
1408	Accessibility.....	69

CHAPTER 15 REFERENCED STANDARDS..... 71

**APPENDIX A GUIDELINES FOR THE SEISMIC
RETROFIT OF EXISTING
BUILDINGS..... 73**

**CHAPTER A1 SEISMIC STRENGTHENING
PROVISIONS FOR UNREINFORCED
MASONRY BEARING WALL
BUILDINGS..... 73**

Section

A101	Purpose.....	73
A102	Scope	73
A103	Definitions	73
A104	Symbols and Notations	73
A105	General Requirements	74
A106	Materials Requirements.....	75
A107	Quality Control	77
A108	Design Strengths	77
A109	Analysis and Design Procedure	78
A110	General Procedure.....	78
A111	Special Procedure	78
A112	Analysis and Design	80

TABLE OF CONTENTS

A113 Detailed System Design Requirements 81
A114 Walls of Unburned Clay,
Adobe or Stone Masonry 82

**CHAPTER A2 EARTHQUAKE HAZARD
REDUCTION IN EXISTING
REINFORCED CONCRETE AND
REINFORCED MASONRY WALL
BUILDINGS WITH FLEXIBLE
DIAPHRAGMS..... 87**

Section
A201 Purpose..... 87
A202 Scope 87
A203 Definitions 87
A204 Symbols and Notations 87
A205 General Requirements 87
A206 Analysis and Design 88
A207 Materials of Construction 89

**CHAPTER A3 PRESCRIPTIVE PROVISIONS FOR
SEISMIC STRENGTHENING OF
CRIPPLE WALLS AND SILL PLATE
ANCHORAGE OF LIGHT, WOOD-
FRAME RESIDENTIAL
BUILDINGS 91**

Section
A301 General 91
A302 Definitions 91
A303 Structural Weaknesses 92
A304 Strengthening Requirements..... 92

**CHAPTER A4 EARTHQUAKE HAZARD
REDUCTION IN EXISTING WOOD-
FRAME RESIDENTIAL BUILDINGS
WITH SOFT, WEAK OR OPEN-
FRONT WALLS 107**

Section
A401 General 107
A402 Definitions 107
A403 Analysis and Design 108
A404 Phased Construction 110
A405 Prescriptive Measures for Weak Story 110
A406 Materials of Construction 110
A407 Information Required to be on the Plans 111
A408 Quality Control 111

**CHAPTER A5 EARTHQUAKE HAZARD
REDUCTION IN EXISTING
CONCRETE BUILDINGS AND
CONCRETE WITH MASONRY
INFILL BUILDINGS..... 113**

Section
A501 Purpose..... 113
A502 Scope 113
A503 Definitions 113
A504 Symbols and Notations 113
A505 General Requirements..... 114
A506 Site Ground Motion..... 115
A507 Tier 1 Analysis Procedure..... 115
A508 Tier 2 Analysis Procedure..... 115
A509 Tier 3 Analysis Procedure..... 117
A510 Determination of the Stress-Strain Relationship
of Existing Unreinforced Masonry..... 122

APPENDIX A REFERENCED STANDARDS 129

**APPENDIX B SUPPLEMENTARY ACCESSIBILITY
REQUIREMENTS FOR EXISTING
BUILDINGS AND FACILITIES ... 131**

Section
B101 Qualified Historical Buildings and Facilities... 131
B102 Fixed Transportation Facilities and Stations ... 131
B103 Dwelling Units and Sleeping Units 132
B104 Referenced Standards 132

**RESOURCE A GUIDELINES ON FIRE RATINGS
OF ARCHAIC MATERIALS AND
ASSEMBLIES..... 133**

Section
1 Fire-related Performance of Archaic
Materials and Assemblies 134
2 Building Evaluation..... 135
3 Final Evaluation and Design Solution 140
4 Summary 145
Appendix 149
Resource A Table of Contents 149

INDEX..... 285

