

# TABLE OF CONTENTS

<p><b>CHAPTER 1 GENERAL REQUIREMENTS..... 1</b></p> <p>Section</p> <p>101 Title, Scope and Purpose..... 1</p> <p>102 Applicability ..... 1</p> <p>103 Materials, Equipment and Methods of Construction..... 1</p> <p>104 Service Utilities ..... 2</p> <p>105 Administration and Enforcement ..... 2</p> <p><b>CHAPTER 2 DEFINITIONS..... 3</b></p> <p>Section</p> <p>201 General..... 3</p> <p>202 General Definitions..... 3</p> <p><b>CHAPTER 3 CLASSIFICATION OF WORK ..... 5</b></p> <p>Section</p> <p>301 General..... 5</p> <p>302 Repairs ..... 5</p> <p>303 Alteration—Level 1..... 5</p> <p>304 Alteration—Level 2..... 5</p> <p>305 Alteration—Level 3..... 5</p> <p>306 Change of Occupancy ..... 5</p> <p>307 Additions ..... 5</p> <p>308 Historic Buildings ..... 5</p> <p>309 Relocated Buildings..... 5</p> <p><b>CHAPTER 4 REPAIRS ..... 7</b></p> <p>Section</p> <p>401 General..... 7</p> <p>402 Special Use and Occupancy ..... 7</p> <p>403 Building Elements and Materials ..... 7</p> <p>404 Fire Protection ..... 7</p> <p>405 Means of Egress..... 7</p> <p>406 Accessibility..... 7</p> <p>407 Structural ..... 7</p> <p>408 Electrical ..... 8</p> <p>409 Mechanical..... 9</p> <p>410 Plumbing ..... 9</p> <p><b>CHAPTER 5 ALTERATIONS—LEVEL 1 ..... 11</b></p> <p>Section</p> <p>501 General..... 11</p>	<p>502 Special Use and Occupancy ..... 11</p> <p>503 Building Elements and Materials ..... 11</p> <p>504 Fire Protection ..... 11</p> <p>505 Means of Egress..... 11</p> <p>506 Accessibility..... 11</p> <p>507 Structural ..... 12</p> <p><b>CHAPTER 6 ALTERATIONS—LEVEL 2 ..... 15</b></p> <p>Section</p> <p>601 General..... 15</p> <p>602 Special Use and Occupancy ..... 15</p> <p>603 Building Elements and Materials ..... 15</p> <p>604 Fire Protection ..... 17</p> <p>605 Means of Egress..... 19</p> <p>606 Accessibility..... 24</p> <p>607 Structural ..... 25</p> <p>608 Electrical ..... 25</p> <p>609 Mechanical..... 26</p> <p>610 Plumbing ..... 26</p> <p><b>CHAPTER 7 ALTERATIONS—LEVEL 3 ..... 27</b></p> <p>Section</p> <p>701 General..... 27</p> <p>702 Special Use and Occupancy ..... 27</p> <p>703 Building Elements and Materials ..... 28</p> <p>704 Fire Protection ..... 28</p> <p>705 Means of Egress..... 28</p> <p>706 Accessibility..... 28</p> <p>707 Structural ..... 28</p> <p><b>CHAPTER 8 CHANGE OF OCCUPANCY ..... 31</b></p> <p>Section</p> <p>801 General..... 31</p> <p>802 Special Use and Occupancy ..... 31</p> <p>803 Building Elements and Materials ..... 31</p> <p>804 Fire Protection ..... 31</p> <p>805 Means of Egress..... 32</p> <p>806 Accessibility..... 32</p> <p>807 Structural ..... 32</p> <p>808 Electrical ..... 33</p> <p>809 Mechanical..... 33</p>
--	---

**TABLE OF CONTENTS**

810 Plumbing ..... 34  
 811 Other Requirements ..... 34  
 812 Change of Occupancy Classification ..... 34

**CHAPTER 9 ADDITIONS ..... 39**

Section  
 901 General ..... 39  
 902 Heights and Areas ..... 39  
 903 Structural ..... 39  
 904 Smoke Alarms in Occupancy  
     Groups R-3 and R-4 ..... 40  
 905 Accessibility ..... 40

**CHAPTER 10 HISTORIC BUILDINGS ..... 41**

Section  
 1001 General ..... 41  
 1002 Repairs ..... 41  
 1003 Fire Safety ..... 41  
 1004 Alterations ..... 42  
 1005 Change of Occupancy ..... 43  
 1006 Structural ..... 44

**CHAPTER 11 RELOCATED OR MOVED BUILDINGS ..... 45**

Section  
 1101 General ..... 45  
 1102 Requirements ..... 45

**CHAPTER 12 COMPLIANCE ALTERNATIVES ..... 47**

Section  
 1201 General ..... 47

**CHAPTER 13 CONSTRUCTION SAFEGUARDS ..... 59**

Section  
 1301 General ..... 59  
 1302 Protection of Adjoining Property ..... 60  
 1303 Temporary Use of Streets, Alleys and Public  
     Property ..... 60  
 1304 Fire Extinguishers ..... 60  
 1305 Exits ..... 61  
 1306 Standpipe Systems ..... 61  
 1307 Automatic Sprinkler System ..... 61  
 1308 Accessibility ..... 61

**CHAPTER 14 REFERENCED STANDARDS ..... 63**

**APPENDIX A GUIDELINES FOR THE SEISMIC RETROFIT OF EXISTING BUILDINGS ..... 67**

**CHAPTER A1 SEISMIC STRENGTHENING PROVISIONS FOR UNREINFORCED MASONRY BEARING WALL BUILDINGS ..... 67**

Section  
 A101 Purpose ..... 67  
 A102 Scope ..... 67  
 A103 Definitions ..... 67  
 A104 Symbols and Notations ..... 67  
 A105 General Requirements ..... 68  
 A106 Materials Requirements ..... 69  
 A107 Quality Control ..... 71  
 A108 Design Strengths ..... 71  
 A109 Analysis and Design Procedure ..... 72  
 A110 General Procedure ..... 72  
 A111 Special Procedure ..... 72  
 A112 Analysis and Design ..... 74  
 A113 Detailed System Design Requirements ..... 75  
 A114 Walls of Unburned Clay,  
     Adobe or Stone Masonry ..... 76

**CHAPTER A2 EARTHQUAKE HAZARD REDUCTION IN EXISTING REINFORCED CONCRETE AND REINFORCED MASONRY WALL BUILDINGS WITH FLEXIBLE DIAPHRAGMS ..... 81**

Section  
 A201 Purpose ..... 81  
 A202 Scope ..... 81  
 A203 Definitions ..... 81  
 A204 Symbols and Notations ..... 81  
 A205 General Requirements ..... 81  
 A206 Analysis and Design ..... 81  
 A207 Materials of Construction ..... 83

**CHAPTER A3 PRESCRIPTIVE PROVISIONS FOR SEISMIC STRENGTHENING OF CRIPPLE WALLS AND SILL PLATE ANCHORAGE OF LIGHT, WOOD-FRAME RESIDENTIAL BUILDINGS ..... 85**

Section  
 A301 General ..... 85

A302	Definitions .....	85	3	Final Evaluation and Design Solution .....	138
A303	Structural Weaknesses .....	86	4	Summary .....	143
A304	Strengthening Requirements .....	86		Appendix	
				Resource A Table of Contents .....	147
<b>CHAPTER A4 EARTHQUAKE HAZARD REDUCTION IN EXISTING WOOD- FRAME RESIDENTIAL BUILDINGS WITH SOFT, WEAK OR OPEN- FRONT WALLS .....</b>		<b>101</b>		<b>INDEX.....</b>	<b>283</b>
Section					
A401	General .....	101			
A402	Definitions .....	101			
A403	Analysis and Design .....	102			
A404	General Requirements for Phased Construction .....	104			
A405	Prescriptive Measures for Weak Story .....	104			
A406	Materials of Construction .....	105			
A407	Required Information on Plans .....	105			
A408	Quality Control .....	106			
<b>CHAPTER A5 EARTHQUAKE HAZARD REDUCTION IN EXISTING CONCRETE BUILDINGS AND CONCRETE WITH MASONRY INFILL BUILDINGS .....</b>		<b>109</b>			
Section					
A501	Purpose .....	109			
A502	Scope .....	109			
A503	Definitions .....	109			
A504	Symbols and Notations .....	109			
A505	General Requirements .....	110			
A506	Site Ground Motion .....	111			
A507	Tier 1 Analysis Procedure .....	111			
A508	Tier 2 Analysis Procedure .....	113			
A509	Tier 3 Analysis Procedure .....	114			
A510	Determination of the Stress-Strain Relationship of Existing Unreinforced Masonry .....	119			
<b>APPENDIX A REFERENCED STANDARDS .....</b>		<b>127</b>			
<b>APPENDIX B .....</b>		<b>Reserved</b>			
<b>RESOURCE A GUIDELINES ON FIRE RATINGS OF ARCHAIC MATERIALS AND ASSEMBLIES .....</b>		<b>131</b>			
Section					
1	Fire-related Performance of Archaic Materials and Assemblies .....	132			
2	Building Evaluation .....	133			

**NEW YORK STATE CODE**

**2nd DRAFT**

**COPYRIGHT® ICC 2005**