

TABLE OF CONTENTS

Part I—Administrative

CHAPTER 1 GENERAL ADMINISTRATIVE PROVISIONS 1

| | |
|---------|---------------------------------------|
| Section | |
| 101 | Intent and Purpose 1 |
| 102 | Scope 1 |
| 103 | Administrative Provisions 1 |
| 104 | Acceptable Methods 6 |

CHAPTER 2 DEFINITIONS 9

| | |
|---------|---------------------------|
| Section | |
| 201 | General 9 |
| 202 | Defined Terms 9 |

CHAPTER 3 DESIGN PERFORMANCE LEVELS 11

| | |
|---------|--|
| Section | |
| 301 | Minimum Performance 11 |
| 302 | Use and Occupancy Classification 11 |
| 303 | Performance Groups 11 |
| 304 | Maximum Level of Damage to be Tolerated 13 |
| 305 | Magnitudes of Event 14 |

CHAPTER 4 RELIABILITY AND DURABILITY 17

| | |
|---------|--------------------------|
| Section | |
| 401 | Reliability 17 |
| 402 | Durability 17 |

Part II—Building

CHAPTER 5 STABILITY 19

| | |
|---------|--------------------------------|
| Section | |
| 501 | Structural Forces 19 |

CHAPTER 6 FIRE SAFETY 21

| | |
|---------|-----------------------------------|
| Section | |
| 601 | Sources of Ignition 21 |
| 602 | Limiting Fire Impact 21 |

CHAPTER 7 PEDESTRIAN CIRCULATION 23

| | |
|---------|------------------------------|
| Section | |
| 701 | Means of Egress 23 |
| 702 | Accessibility 23 |

| | |
|-----|---------------------------------------|
| 703 | Transportation Equipment 23 |
|-----|---------------------------------------|

CHAPTER 8 SAFETY OF USERS 25

| | |
|---------|--|
| Section | |
| 801 | Hazardous Materials 25 |
| 802 | Hazards from Building Materials 25 |
| 803 | Prevention of Falls 25 |
| 804 | Construction and Demolition Hazards 25 |
| 805 | Signs 26 |
| 806 | Emergency Notification 26 |

CHAPTER 9 MOISTURE 27

| | |
|---------|--------------------------------|
| Section | |
| 901 | Surface Water 27 |
| 902 | External Moisture 27 |
| 903 | Internal Moisture 27 |

CHAPTER 10 INTERIOR ENVIRONMENT 29

| | |
|---------|---|
| Section | |
| 1001 | Climate and Building Functionality 29 |
| 1002 | Indoor Air Quality 29 |
| 1003 | Airborne and Impact Sound 29 |
| 1004 | Artificial and Natural Light 29 |

CHAPTER 11 MECHANICAL 31

| | |
|---------|---|
| Section | |
| 1101 | Heating, Ventilation and Air Conditioning Equipment (HVAC) 31 |
| 1102 | Refrigeration 31 |
| 1103 | Piped Services 31 |

CHAPTER 12 PLUMBING 33

| | |
|---------|--------------------------------------|
| Section | |
| 1201 | Personal Hygiene 33 |
| 1202 | Laundrying 33 |
| 1203 | Domestic Water Supplies 33 |
| 1204 | Wastewater 33 |

CHAPTER 13 FUEL GAS 35

| | |
|---------|--|
| Section | |
| 1301 | Fuel Gas Piping and Vents 35 |

CHAPTER 14 ELECTRICITY 37

| | |
|---------|--------------------------|
| Section | |
| 1401 | Electricity 37 |

CHAPTER 15 ENERGY EFFICIENCY 39
 Section
 1501 Energy Efficiency 39

Part III—Fire

CHAPTER 16 FIRE PREVENTION 41
 Section
 1601 Fire Prevention 41

CHAPTER 17 FIRE IMPACT MANAGEMENT ... 43
 Section
 1701 Fire Impact Management 43

CHAPTER 18 MANAGEMENT OF PEOPLE 45
 Section
 1801 Management of People 45

CHAPTER 19 MEANS OF EGRESS 47
 Section
 1901 Means of Egress 47

**CHAPTER 20 EMERGENCY NOTIFICATION,
 ACCESS AND FACILITIES 49**
 Section
 2001 Emergency Notification, Access and Facilities . 49

**CHAPTER 21 EMERGENCY
 RESPONDER SAFETY 51**
 Section
 2101 Emergency Responder Safety 51

CHAPTER 22 HAZARDOUS MATERIALS 53
 Section
 2201 Hazardous Materials 53

Part IV—Appendices

**APPENDIX A RISK FACTORS OF
 USE AND OCCUPANCY
 CLASSIFICATIONS 55**

**APPENDIX B WORKSHEET FOR ASSIGNING
 SPECIFIC STRUCTURES TO
 PERFORMANCE GROUPS 63**

**APPENDIX C INDIVIDUALLY SUBSTANTIATED
 DESIGN METHOD 65**

**APPENDIX D QUALIFICATION
 CHARACTERISTICS FOR DESIGN
 AND REVIEW OF PERFORMANCE-
 BASED DESIGNS 67**

APPENDIX E USE OF COMPUTER MODELS ... 69

INDEX 7