

INDEX

A

ACCESS OPENINGS

Attic 1209.2
Crawl space 1209.1
Doors 712.3.2
Fire damper 716.4
Fire department 402.17
Mechanical appliances 1209.3
Refuse/laundry chutes 708.13.3

ACCESSIBILITY 1007, Chapter 11, 3411, Appendix E

Airports 412.3.6, E110
Assembly seating 1108.2, 1109.10
Bus stops E108
Controls 1109.12
Detectable warnings 1109.9
Detention and correctional facilities 1103.2.14, 1107.5.5, 1108.4.2, 3411.8.7, E104.1

Dining areas 1109.10
Drinking fountains 1109.5
Dwelling units 1107, 3411.1, 3411.8.7, 3411.8.8, 3411.8.9

Egress (see ACCESSIBLE MEANS OF EGRESS) 1007

Elevators 1007.2.1, 1007.4, 1109.6, 3001.3, 3411.8.2

Employee work areas 907.5.2.3.2, 1103.2.3, 1104.3.1

Entrances 1105, 3411.8.1, 3411.9.3

Escalators 3411.8.4

Existing buildings 1007.1, 1103.2.2, 3411, 3412.2.5

Fuel dispensing 1109.13, 3411.8.13

Historic buildings 3411.9

Judicial facilities 1108.4, 3411.8.7, 3411.8.10

Kitchens 1109.4

Laundry E105.2

Lifts 1007.5, 1109.7, 3411.8.3

Live/work unit 419.7, 1103.2.13

Maintenance 3411.2

Parking and passenger loading facilities 1106

Performance areas 1108.2.8, 3411.8.6

Platform 1104.4, 1108.2.8, 3411.8.6, E103.1

Ramps 1010, 3411.8.5

Recreational facilities 1109.14

Route 1104, 1107.4, 3411.7, 3411.9.1, 3411.9.2

Scoping 108.2, 116.1, 1101, 1103.1, 3411.1, E101.1

Seating 1108.2, 1109.10

Service facility 1109.11, 3411.8.12

Signage 1110, E107

Sleeping units 1107, 3411.8.7, 3411.8.8, 3411.8.9

Storage 1108.3, 1109.8

Telephone E106

Toilet and bathing facilities 1109.2, 1109.3, 3411.8.11, 3411.9.4, E105.1

Train and light rail stations E109

Transient lodging 1103.2.11, 1107.6.1, 3411.8.7, 3411.8.9, E104.2, E104.3

ACCESSIBLE MEANS OF EGRESS 1007

Areas of refuge (see AREA OF REFUGE)

Assembly 1007.1, 1028.8

Elevators 1007.2.1, 1007.4, 1007.8

Existing building 1007.1, 3411.6

Exterior area for assisted rescue (see EXTERIOR AREA FOR ASSISTED RESCUE)

Horizontal exit (see HORIZONTAL EXIT)

Mezzanine 505, 1007.1

Platform lift 1007.5

Required 1007.1

Stairs 1007.3

Signage 1007.8 through 1007.11, 3002.3

ACCESSORY OCCUPANCIES 303.1, 305.1, 508.2

Incidental accessory occupancies 508.2.5, 707.3.6

ADDITION 3403, D103.1

Accessibility 3411.5

Means of egress 3302.1, 3310

ADMINISTRATION Chapter 1

ADOBE CONSTRUCTION 2102.1, 2109.3

AEROSOLS 307.1, 307.2, 311.2, 414.1.2.1, 414.2.5, 907.2.16

AGRICULTURAL BUILDINGS (see GROUP U) 312.1, 1103.2.5, Appendix C

AIR CONDITIONING (see MECHANICAL) 2801.1, 3006.2

AIR INTAKES (see YARDS OR COURTS) 1206.3.2

AIRCRAFT HANGARS 412.4

Aircraft paint hangars 412.6, 507.9

Basements 412.4.2

Construction 412.4.1, 412.6.2

Fire area 412.4.6.2

Fire suppression system 412.4.6, 412.6.5

Heliports and helistops 412.7

Residential 412.5, 907.2.21

- Unlimited height and area 504.1, 507.9
- AIRCRAFT-RELATED OCCUPANCIES** 412, E110
 - Airport traffic control towers 412.3, 907.2.22
 - Construction type 412.3.2
 - Egress 412.3.3
 - Fire detection systems,
 - automatic 412.3.4, 907.2.22
 - Standby power 412.3.5, 2702.2.18
 - Traffic control towers 412.3
 - Type of construction 412.3.2
- AISLE**
 - Assembly seating 1028.6
 - Bleachers 1028.1.1
 - Check-out 1109.11.2
 - Converging 1028.9.3
 - Egress 1017
 - Folding and telescopic seating 1028.1.1
 - Grandstands 1028.1.1
 - Obstructions 1028.9.6
 - Tents 3103.4
 - Walking surfaces 1028.11
 - Width 1028.9
- ALARM SYSTEMS, EMERGENCY** 908
- ALARMS, FIRE (see FIRE ALARM AND SMOKE DETECTION SYSTEMS)**
- ALARMS, VISIBLE** 907.5.2.3
 - Common areas 907.5.2.3.1
 - Employee work areas 907.2.5.3.2
 - Group I-1 907.5.2.3.3
 - Group R-1 907.5.2.3.3
 - Group R-2 907.5.2.3.4
 - Public areas 907.5.2.3.1
- ALARMS, VOICE** 907.5.2.2
 - Amusement buildings, special 411.6, 2702.2.1
 - Covered mall buildings 402.14, 402.15, 907.2.20, 2702.2.14
 - High-rise buildings 403.4.3, 907.2.13
 - Special amusement buildings 411.6
 - Underground buildings 405.9.1, 907.2.18, 907.2.19
- ALLOWABLE STRESS DESIGN** 1602.1
 - Load combinations 1605.3
 - Masonry design 2101.2.1, 2107
 - Wood design 2301.2, 2306
- ALTERATIONS** 3404, D103.1
 - Accessibility 3411.6, 3411.7, 3411.9
 - Compliance alternatives 3412
 - Means of egress 3302.1, 3310.2, 3411.6
- ALTERNATIVE MATERIALS, DESIGN AND METHODS** 104.11
- ALTERNATING TREAD DEVICES** 1009.10
 - Construction 1009.10.2
- Equipment platform 505.5
- Galleries, catwalks and gridirons 410.5.3, 1015.6.1
- Heliports 412.7.3
- ALUMINUM** 1404.5.1, 1604.3.5, Chapter 20
- AMBULATORY HEALTH CARE FACILITIES** 422
 - Fire alarm and smoke detection 907.2.2.1
 - Smoke compartment 422.2, 422.4
- AMUSEMENT BUILDING, SPECIAL** 411
 - Classification 411.1
 - Emergency voice/alarm communications system 411.6, 907.2.12
 - Exit marking 411.7
 - Fire detection 411.3, 411.5, 907.2.12
 - Interior finish 411.8
 - Smoke detection system 411.3, 411.5, 907.2.12
 - Sprinklers 411.4
- AMUSEMENT PARK STRUCTURES** 303
- ANCHOR STORE (see COVERED MALL AND OPEN MALL BUILDINGS)** 402
 - Construction type 402.6
 - Means of egress 402.4.3.1
 - Occupant load 402.4.1.1, 402.4.1.3
 - Separation 402.7.1, 402.7.3
 - Sprinkler 402.9
- ANCHORAGE** 1604.8
 - Braced wall line sills 2308.3.3
 - Concrete 1911, 1912
 - Conventional light-frame construction 2308.11.3.1, 2308.12.7, 2308.12.8, 2308.12.9
 - Decks 1604.8.3
 - Seismic anchorage for masonry chimneys 2113.4
 - Seismic anchorage for masonry fireplaces 2111.4
 - Walls 1604.8.2
 - Wood sill plates 2308.3.3
- APARTMENT HOUSES** 310.1
- APPEALS** 113
- ARCHITECT (see definition for REGISTERED DESIGN PROFESSIONAL)**
- ARCHITECTURAL TRIM** 603.1, 1406.2.2, D102.2.7
- AREA, BUILDING** Chapter 5
 - Aircraft control towers 412.3.2
 - Aircraft hangars, residential 412.5.5
 - Covered mall building 402.6
 - Enclosed parking garage 509.2, 509.3, 509.4, 509.9
 - Limitations 503, 505
 - Membrane structures 3102.4
 - Mezzanines 505.2, 505.5
 - Mixed construction types 3102.6
 - Mixed occupancy 508

Modifications 506, 509
 Open mall building 402.6
 Open parking garage 406.3.6, 406.3.7,
 509.2, 509.3, 509.4,
 509.7, 509.8, 509.9
 Private garages and carports 406.1.1, 406.1.2
 Unlimited area 503.1.3, 506.2.1, 507

AREA FOR ASSISTED RESCUE, EXTERIOR
 (see EXTERIOR AREAS FOR ASSISTED RESCUE)

AREA OF REFUGE
 (see ACCESSIBLE MEANS OF EGRESS)

Requirements 1007.6, 1007.6.1, 1007.6.2
 Signage 1007.9, 1007.10, 1007.11
 Two-way communication 1007.6.3,
 1007.8, 1007.11
 Where required 1007.2, 1007.3, 1007.4

ASSEMBLY OCCUPANCY (GROUP A) 303, 1028

Accessory 508.2
 Aisles 1017.4, 1028.9
 Amusement buildings, special 411
 Area 503, 505, 506, 507, 508
 Bleachers (see BLEACHERS)
 Egress, special provisions 1008.1.10, 1028.3
 Fire alarms 907.2.1
 Folding and telescopic seating 1028.1.1
 Guards 1013.1, 1028.14
 Grandstands (see GRANDSTANDS)
 Height 503, 504, 505, 506, 508, 509
 High-rise 403.1
 Interior finishes Table 803.9, 804
 Live load Table 1607.1, 1607.9.1.4, 1607.11.2.2
 Motion picture theaters 409, 507.11
 Occupancy category Table 1604.5
 Panic hardware 1008.1.10, 1008.2.1
 Parking beneath or above 509.2, 509.7, 509.9
 Plumbing fixtures 2902
 Seating, fixed (see SEATING, FIXED)
 Seating, smoke-protected 1028.6.2
 Special occupancy separation 303.1,
 Table 508.2.5, Table 508.4
 Sprinklers 507.3, 507.6, 507.7, 507.11, 903.2.1
 Stages and platforms 410
 Standby power systems 2702.2.1
 Standpipes 905.3.2, 905.5.1
 Travel distance 1014.3, 1016.1, 1021.2, 1028.7
 Unlimited area 507.3, 507.6, 507.7, 507.11

ASSISTED LIVING (see RESIDENTIAL CARE/ASSISTED LIVING FACILITIES)

ATRIUM 404

Automatic sprinkler protection 404.3
 Enclosure 404.6, 707.3.5
 Fire alarm system 404.4, 907.2.14

Interior finish 404.8
 Smoke control 404.5, 909
 Standby power 404.7
 Travel distance 404.9, 1014.3, 1016.1, 1021.2
 Use 404.2

ATTIC

Access 1209.2
 Combustible storage 413.2
 Draftstopping 717.4
 Insulation 719.3.1
 Live load Table 1607.1
 Unusable space fire protection 712.3.3
 Ventilation 1203.2

AUDITORIUM 303.1

Accessibility 1108.2
 Foyers and lobbies 1028.4
 Interior balconies and galleries 1028.5
 Motion picture projection rooms 409
 Stages and platforms 410

AUTOMOBILE PARKING GARAGE (see GARAGE, AUTOMOBILE PARKING) 406

AWNINGS 3105

Design and construction 3105.3
 Drainage, water 3201.4
 Encroachment, public right-of-way 3202.2.3,
 3202.3.1, 3202.4
 Fire district D102.2.8
 Live load Table 1607.1, 1607.11.2.1, 1607.11.4
 Materials 3105.4
 Motor vehicle service stations 406.5.3
 Permanent D102.2.8
 Plastic 2606.10

B

BALCONIES

Accessibility 1108.2.4
 Assembly 1028.5
 Construction, exterior 1406.3
 Egress, means of 1016.2, 1019, 1028.5
 Emergency escape 1029.1
 Exterior egress 1016.2
 Guards 1013.1
 Live load Table 1607.1
 Projection 705.2, 1406.3
 Public right-of-way encroachments 3202.3.2,
 3202.3.3
 Travel distance 1016.2

BARBECUES 2801

BARRIERS

Fire (see FIRE BARRIER)
 Pedestrian protection 3306

Smoke (see SMOKE BARRIER)
 Vehicle 406.2.4, 1602.1, 1607.7.3

BASEMENT (see UNDERGROUND BUILDINGS)
 Aircraft hangars 412.4.2
 Area modification 506.4, 506.5
 Considered a story 502.1
 Emergency escape 1029.1
 Flood loads 1612.2, 1612.5
 Height modifications for 509.5
 Prohibited 415.1, 415.4, 415.5,
 415.8.5.2.2, 418.1
 Rodentproofing Appendix F
 Sprinklers 903.2.11.1
 Waterproofing and dampproofing 1805

BASEMENT WALLS
 Concrete Table 1904.3, 1909.6.1
 Soil loads 1610.1
 Waterproofing and dampproofing 1805

BASIC WIND SPEED 1609.3

BAY AND ORIEL WINDOWS 1406.4
 Public right-of-way encroachments 3202.3.2,
 3202.3.3

BLEACHERS 303.1, 1028.1.1, 3401.1
 Accessibility 1108.2
 Egress 1028.1.1
 Live load Table 1607.1
 Occupant load 1004.7

BLOCK (see CONCRETE BLOCK AND GLASS UNIT MASONRY)

BOARD OF APPEALS 113,
 Appendix B
 Application for appeal B101.1
 Alternate members B101.2.1
 Board decision B101.4
 Limitations on authority 113.2
 Membership of board B101.2
 Notice of meeting B101.3
 Qualifications 113.3, B101.2.2

BOILER ROOM
 Exits 1015.3

BOLTS 2204.2
 Anchors 1911, 1912, 2204.2.1
 High strength, steel 1704.3.3

BONDING, MASONRY 2103.9, 2109.2

BRACED WALL LINE 2302.1, 2308.3
 Bracing 2309.3
 Seismic requirements 2308.12.2,
 2308.12.4, 2308.12.6
 Sill anchorage 2308.3.3
 Spacing 2308.3.1
 Support 2308.3.4

BRACED WALL PANEL 2302.1, 2308.9.3

Alternative bracing 2308.9.3.1, 2308.9.3.2
 Connections 2308.3.2

BRICK (see MASONRY)

BUILDING
 Access, fire department 402.17
 Area (see AREA, BUILDING) 502.1, 503,
 505, 506, 507, 508, 509
 Demolition 3303
 Existing Chapter 34
 Fire walls 706.1
 Height (see HEIGHT, BUILDING) 502.1,
 503, 504, 505,
 506, 508, 509
 Occupancy classification Chapter 3
 Party walls 706.1.1

BUILDING DEPARTMENT 103

BUILDING OFFICIAL
 Duties and powers 104
 Qualifications A101.1
 Records 104.7
 Termination A101.4

BUILT-UP ROOFS 1507.10

BUSINESS OCCUPANCY (GROUP B) 304
 Accessory 508.2
 Aisles 1017.2
 Ambulatory health care facilities 422
 Area 503, 505, 506, 507, 508
 Assembly 303.1
 Educational 303.1, 304.1
 Fire alarm 907.2.2
 Height 503, 504, 505, 506, 508, 509
 Interior finishes Table 803.9, 804
 Live load Table 1607.1
 Parking under
 or above 509.2, 509.7, 509.8, 509.9
 Plumbing fixtures 2902
 Special occupancy
 separation 303.1, Table 508.2.5
 Travel distance 1014.3, 1016.1, 1021.2
 Unlimited area 507.3, 507.4

C

CABLES, STEEL STRUCTURAL 2207

CALCULATED FIRE RESISTANCE (see FIRE RESISTANCE, CALCULATED)

CANOPIES 3105
 Design and construction 3105.3
 Drainage, water 3201.4
 Encroachment, public right-of-way 3202.3.1
 Fire district D102.2.8
 Live load Table 1607.1,
 1607.11.2.1, 1607.11.4

Materials 3105.4
 Motor vehicle service stations. 406.5.3
 Permanent D102.2.8
 Plastic. 2606.10

CARE FACILITIES (see HEALTH CARE)

CARPET
 Floor covering 804.2
 Textile ceiling finish 803.6
 Textile wall coverings 803.5

CATWALKS
 Live loads Table 1607.1
 Means of egress. 410.3.2, 1015.6.1
 Sprinklers. 410.6

CEILING
 Acoustical 808
 Height 409.2, 909.20.4.3, 1205.2.2, 1208.2
 Interior finish 803
 Penetration of fire-resistant assemblies 713.4, 716.2, 716.6
 Suspended acoustical. 808.1.1

CELLULOSE NITRATE FILM 409.1, 903.2.5.3

CERAMIC TILE
 Material requirements 2103.5
 Mortar. 2103.10

CERTIFICATE OF OCCUPANCY . . 106.2, 111, 3408.2

CHANGE OF OCCUPANCY 3408, D103.2
 Accessibility 3411.4, 3412.2.5

CHILD CARE (see DAY CARE) 305.2, 308.3.1, 308.5.2, 310.1

CHIMNEYS 2102.1, 2111, 2112, 2113
 Factory-built 717.2.5
 Flashing 1503.6
 Protection from adjacent construction 3307.1

CHURCHES
 (see RELIGIOUS WORSHIP, PLACES OF)

CIRCULAR STAIRS (see CURVED STAIRWAYS)

CLAY ROOF TILE 1507.3
 Testing 1716.2

CLINIC
 Hospital 308.3
 Outpatient (see AMBULATORY HEALTH CARE FACILITIES). 304.1.1, 422

COAL POCKETS 415.6.1.6

CODES. 101.2, 101.4, 102.3, 102.4, 102.6, Chapter 35

COLD STORAGE (see FOAM PLASTIC INSULATION)

COLD-FORMED STEEL. 2202.1, 2209
 Light-frame construction 2210
 Special inspection. 1704.3.1.2, 1704.3.4, 1706.3, 1707.4

COMBUSTIBLE DUSTS 415.6.1

COMBUSTIBLE LIQUIDS 307.4, 307.5, 415.6.2

COMBUSTIBLE MATERIAL
 Concealed spaces 413.2, 717.5
 Exterior side of exterior wall 1406
 High-pile stock or rack storage 413.1, 910.2.2
 Type I and Type II 603, 805

COMBUSTIBLE PROJECTIONS 705.2, 1406.3

COMBUSTIBLE STORAGE 413, 910.2.2

COMMON PATH OF EGRESS TRAVEL 1014.3

COMPARTMENTATION
 Ambulatory Health Care Facilities 422.2
 Group I-2 407.4
 Group I-3 408.6
 Underground buildings. 405.4
 Values 3412.6.3

COMPLIANCE ALTERNATIVES 3412

COMPRESSED GAS 307.2, 415.8.7.2.2

CONCEALED SPACES 413.2, 717

CONCRETE Chapter 19
 ACI modifications 1901.2, 1901.3, 1902.1, 1903.1, 1908
 Anchorage. 1911, 1912
 Calculated fire resistance 721.2
 Conduits 1906
 Construction documents 1901.4
 Construction joints 1906
 Curing 195.11
 Durability 1904
 Exposure conditions 1904
 Footings 1809
 Formwork 1906
 Foundation walls 1807.1.5, 1808.8
 Materials 1704.4.1, 1903
 Mixing. 1905.8
 Pipe columns, concrete-filled 1915
 Pipes 1906
 Placing 1905
 Plain, structural 1909
 Proportioning 1905.2
 Quality 1905
 Reinforced gypsum concrete 1914
 Reinforcement. 1907
 Rodentproofing Appendix F
 Roof tile. 1507.3, 1716.2
 Shotcrete. 1913
 Slab, minimum 1910
 Special inspections 1704.4, Table 1704.4
 Specifications 1903
 Strength testing 1704.4.1, 1905.6

- Wood support 2304.12
- CONCRETE MASONRY**
- Calculated fire resistance 721.3
- Construction 2104
- Design 2101.2, 2108, 2109
- Materials 2103.1
- Surface bonding 2109.2
- Testing 2105.2.2.2, 2105.3
- Wood support 2304.12
- CONCRETE ROOF TILE** 1507.3
- Wind resistance 1609.5.3, 1716.2
- CONDOMINIUM (see APARTMENT HOUSES)**
- CONDUIT, PENETRATION PROTECTION** 713.3,
1022.4
- CONFLICTS IN CODE** 102.1
- CONGREGATE LIVING FACILITIES** 310
- CONSTRUCTION (see SAFEGUARDS DURING CONSTRUCTION)**
- CONSTRUCTION DOCUMENTS** 107, 1603
- Concrete construction 1901.4
- Design load-bearing capacity 1803.6
- Fire alarm and detection systems 907.1.1
- Fire-resistant-joint systems 714
- Flood 1603.1.7
- Floor live load 1603.1.1
- Geotechnical 1603.1.6
- Masonry 2101.3
- Means of egress 107.2.3
- Penetrations 713
- Permit application 105.1
- Retention 107.5
- Review 107.3
- Roof assemblies 1503
- Roof live load 1603.1.2
- Roof snow load 1603.1.3
- Seismic 1603.1.5, 1603.1.9
- Site plan 107.2.5
- Soil classification 1803.6
- Special inspections 1703, 1705
- Special loads 1603.1.8
- Structural tests 1703
- Systems and components 1603.1.9
- Temporary structures 3103.2
- Wind load 1603.1.4
- CONSTRUCTION JOINTS**
- Concrete 1906.4
- Shotcrete 1913.7
- CONSTRUCTION TYPES** Chapter 6
- Aircraft related 412.3.2
- Automobile parking garage Table 406.3.3,
509.2, 509.3, 509.4,
509.7, 509.8, 509.9
- Classification 602
- Combustible material
in Type I and Type II construction 603, 805
- Covered mall and open mall buildings 402.6
- Fire district D102.2.3
- Fire resistance Table 601, Table 602
- High-rise 403.2
- Type I Table 601, 602.2, 603
- Type II Table 601, 602.2, 603
- Type III Table 601, 602.3
- Type IV Table 601, 602.4
- Type V Table 601, 602.5
- Underground buildings 405.2
- CONTRACTOR'S RESPONSIBILITIES** 901.5, 1706
- CONTROL AREA** 414.2, 707.3.7
- Fire-resistance rating 414.2.4
- Number 414.2.3
- CONVENTIONAL LIGHT-FRAME CONSTRUCTION** 2301.2, 2302.1, 2308
- Additional seismic requirements 2308.11, 2308.12
- Braced wall lines 2308.3
- Connections and fasteners 2308.5
- Design of elements 2308.4
- Floor joists 2308.8
- Foundation plates or sills 2308.6
- Girders 2308.7
- Limitations 2308.2
- Roof and ceiling framing 2308.10
- Wall framing 2308.9
- CONVEYING SYSTEMS** 3005
- CORNICES**
- Draftstopping 717.2.6
- Live load Table 1607.1
- Masonry 2104.2.1
- Projection 705.2, 1406.3
- Public right-of-way encroachments 3202.3.2,
3202.3.3
- CORRIDOR (see CORRIDOR PROTECTION, EXIT ACCESS and FIRE PARTITIONS)** 1018
- Continuity 1018.6
- Dead end 1018.4
- Elevation change 1003.5
- Group I-2 407.2
- Hazardous 415.8.2.2, 415.8.2.7,
415.8.3, 415.8.4, 415.8.6, 415.8.7.1.4
- Headroom 1003.2, 1003.3
- HPM service 903.2.5.2

Live load Table 1607.1
 Walls 709.1, 1018.1
 Width 108.3, 1018.2

CORRIDOR PROTECTION, EXIT ACCESS
 Construction, fire protection 709.1,
 Table 1018.1, 1018.6
 Doors 715.4
 Glazing 715.5
 Group I-2 407.3
 Interior finish Table 803.9, 804.4
 Opening protection 715, 716.5.4.1
 Ventilation 1018.5, 1018.5.1

CORROSIVES 307.6, Table 414.2.5(1), 414.3,
 415.7.3, Table 415.8.2.1.1

COURTS (see YARDS OR COURTS) 1206

**COVERED MALL AND
 OPEN MALL BUILDINGS** 402
 Construction type 402.6
 Fire department 402.3, 402.17
 Fire detection/alarm system 402.4.5.1, 402.11,
 402.12.2, 402.15,
 907.2.20, 2702.2.14
 Interior finish 402.8
 Kiosk 402.11
 Means of egress 402.4, 402.5, 402.13
 Occupant load 402.4.1
 Playground structures 402.12
 Separation 402.7
 Signs 402.16
 Smoke control 402.10
 Sprinklers 402.9
 Standby power 402.14, 2702.2.14
 Standpipe system 402.9.1, 905.3.3
 Travel distance 402.4, 1014.3, 1016.1, 1021.2

COVERED WALKWAY 3306.7

CRAWL SPACE
 Access 1209.1
 Drainage 1805.1.2
 Unusable space fire protection 712.3.3
 Ventilation 1203.3

CRIPPLE WALL 2302.1, 2308.9.4

CRYOGENIC Table 307.1, Table 414.5.1,
 Table 415.8.2.1.1

D

**DAMPERS (see FIRE DAMPERS
 AND SMOKE DAMPERS)** 716.2 through 716.5

DAMP-PROOFING AND WATERPROOFING 1805
 Required 1805.2, 1805.3
 Subsoil drainage system 1805.4

DAY CARE 305.2, 308.5, 310.1
 Adult care 308.5.1

Child care 308.5.2, 310.1
 Egress 308.5.2, Table 1004.1.1,
 Table 1015.1, Table 1021.2

**DAY SURGERY CENTER (see AMBULATORY
 HEALTH CARE FACILITIES)**

DEAD END 1018.4

DEAD LOAD 1602.1, 1606
 Foundation design load 1808.3

DECK
 Anchorage 1604.8.3
 Live loads Table 1607.1

DEFLECTIONS 1604.3.1
 Framing supporting glass 2403.3
 Preconstruction load tests 1715.3.2
 Wood diaphragms 2305
 Wood shear walls 2305

DEMOLITION 3303

DESIGN STRENGTH 1602.1, 2102.1
 Conformance to standards 1711.1
 New materials 1711.2

DESIGNATED SEISMIC SYSTEM 1702.1
 Seismic qualification 1708.4
 Special inspection 1707.8

DIAPHRAGMS 1602.1, 2302.1
 Flexible 1613.6.1
 Special inspection 1704.6.1, 1706.2, 1707.3
 Wood 2305, 2306.2

DOORS 1008
 Access-controlled 1008.1.4.4
 Emergency escape 1029.1
 Fire (see OPENING PROTECTIVES) 715.4,
 1022.3, 1022.4
 Glazing 715.4.7, 715.5, 1405.13
 Hazardous storage 415.8.5.6
 Hardware (see LOCKS AND LATCHES) 1005.3,
 1008.1.4.4,
 1008.1.9, 1008.1.10
 Horizontal sliding 1008.1.4.3
 Hydrogen cutoff rooms 421.4.1
 Landings 1008.1.5, 1008.1.6
 Operation 1008.1.3, 1008.1.9
 Panic and fire exit hardware 1008.1.10
 Power-operated 1008.1.4.2
 Revolving 1008.1.4.1
 Security grilles 1008.1.4.5
 Side swinging 1008.1.2
 Smoke 710.5, 711.5
 Stairways 1008.1.9.10
 Stairways, high-rise 403.5.3
 Structural testing, exterior 1715.5
 Thresholds 1003.5, 1008.1.5, 1008.1.7, 3411.8.14
 Vestibule 1008.1.7

Width 1008.1.1, 1008.1.1.1

DRAFTSTOPPING

Attics 717.4

Floor-ceiling assemblies 717.3

DRY CLEANING PLANTS 415.6.4

DRYING ROOMS 417

DUCTS AND AIR TRANSFER OPENINGS (see MECHANICAL)

DUMBWAITERS 708.14

DWELLING UNITS 202

Accessibility 1102, 1103.2.4, 1103.2.12, 1105.1.6, 1106.2, 1107

Accessibility, existing 3411.1, 3411.8.7, 3411.8.8, 3411.8.9

Area 1208.3, 1208.4

Group R 310

Live/work units (see LIVE/WORK UNITS)

Scoping 101.2

Separation 420.2, 420.3

Sound transmission 1207

E

EARTHQUAKE LOADS (see SEISMIC) 1613

EAVES (see COMBUSTIBLE PROJECTIONS AND CORNICES)

EDUCATIONAL OCCUPANCY (GROUP E) 305

Accessory 508.2

Accessory assembly spaces 303.1

Area 503, 505, 506, 507, 508

Corridors 1018.1, 1018.2

Day care 305.2, 308.5, 310.1

Education for students above the 12th grade . . . 304

Egress, special provisions 1008.1.10

Fire alarm and detection 907.2.3

Gyms 303.1

Height 503, 504, 505, 506, 508

Interior finishes Table 803.9, 804

Live load Table 1607.1

Manual fire alarm boxes 907.2.3, 907.4.2

Occupancy category Table 1604.5

Panic hardware 1008.1.10

Plumbing fixtures 2902

Religious facilities 303.1

Special occupancy separation 303.1, Table 508.2.5

Sprinkler system 903.2.3

Stages and platforms 410

Travel distance 1014.3, 1016.1, 1021.2

Unlimited area 507.10

EGRESS (see MEANS OF EGRESS) Chapter 10

ELECTRICAL 105.2, 112, Chapter 27, Appendix K

ELEVATOR Chapter 30

Accessibility 1007.2.1, 1007.4, 1007.8, 1109.6, 3001.3, 3411.8.2

Car size 3001.3, 3002.4

Construction 708.14, 1607.8.1

Control values 3412.6.14

Conveying systems 3005

Emergency operations 3002.3, 3002.5, 3003, 3007, 3008

Fire service access 403.6.1, 3007

Glass 2409, 3002.8

High-rise 403.2.3, 403.4.7, 403.4.8, 403.6

Hoistway enclosures 403.2.3, 708, 1022.3, 3002, 3005.3.1

Hoistway venting 3004

Lobby . . . 708.14.1, 709.1, 1007.4, 3007.4, 3008.11

Machine rooms Table 1607.1, 1607.8, 3006

Means of egress 403.6, 1003.7, 1007.2.1, 1007.4, 3008

Number of elevator cars in hoistway 3002.2

Occupant evacuation elevators 403.6.2, 3008

Personnel and material hoists 3005.4

Roof access 1009.14

Seismic controls 1613.6.5

Shaft enclosure 708.14

Signs 914, 1007.8.2, 3002.3, 3008.11.5

Standards 3001

Standby power 2702.2.5, 2702.2.19

Underground 405.4.3

EMERGENCY COMMUNICATIONS

Accessible means of egress 1007.8

Alarms (see FIRE ALARMS)

Elevators, occupant evacuation 3008.5

Fire command center 403.4.5, 911

Radio coverage 403.4.4, 915

EMERGENCY EGRESS OPENINGS 1029

Required Table 1021.2, 1029.1

Window wells 1029.5

EMERGENCY LIGHTING 1006, 1205.5

EMERGENCY POWER 2702.1, 2702.3

Exit signs 1011.5.3, 2702.2.3, 2702.2.9

Group A 2702.2.1

Group I-3 408.4.2, 2702.2.17

Hazardous 414.5.4, 415.8.10, 2702.2.8, 2702.2.10, 2702.2.11, 2702.2.13

High-rise 403.4.8, 2702.2.15

Means of egress illumination 1006.3, 2702.2.4

Semiconductor fabrication 415.8.10, 2702.2.8

Underground buildings 405.9, 2702.2.16

EMERGENCY RESPONDERS

Additional exit stairway 403.5.2

Elevators 403.6, 1007.2.1, 3002.4, 3003, 3007, 3008

Fire command center 403.4.5, 911

Fire department access 402.17

Radio coverage 403.4.4, 915

Roof access 1009.13

Safety features 914

EMPIRICAL DESIGN OF MASONRY . . 2101.2.4, 2109

 Adobe construction 2109.3

 General 2109.1

 Special inspection 1704.5

 Surface-bonded 2109.2

EMPLOYEE

 Accessibility for work areas 907.5.2.3.2, 1103.2.3, 1104.3.1

 Qualifications A101

 Termination of employment A101.4

ENCROACHMENTS INTO THE PUBLIC RIGHT-OF-WAY Chapter 32

END-JOINTED LUMBER 2303.1.1

ENERGY EFFICIENCY . . 101.4.6, 110.3.7, Chapter 13

ENGINEER (see definition for REGISTERED DESIGN PROFESSIONAL)

EQUIVALENT OPENING FACTOR Figure 705.7

ESCALATORS 3005

 Accessibility 3411.8.4

 Floor opening protection 708.2

 Means of egress 1003.7

ESSENTIAL FACILITIES (see OCCUPANCY CATEGORY) 1602.1

EXCAVATION, GRADING AND FILL 1804, 3304

EXISTING BUILDING 102.6, Chapter 34

 Accessibility 1103.2.2, 3411

 Additions 3403, D103.1

 Alteration 3404, D103.1

 Change of occupancy 3408, D103.2

 Flood-resistant 3401.2, 3403.2, 3404.2, 3405.5, 3409.2, 3412.2.4.1, Appendix G

 Historic 3409, 3411.9

 Moved structures 3410, D103.3

 Repairs 3405

 Rodentproofing Appendix F

EXIT (see MEANS OF EGRESS) . . 1020 through 1026

 Boiler rooms 1015.3

 Construction 708.2

 Enclosure 707.3.2, 1022.1

 Fire resistance 707.3, 1022

 Furnace rooms 1015.3

 Group H 415.8.4.4, 415.8.5.5

 Horizontal 707.3.3, 1025

 Incinerator rooms 1015.3

 Interior finish Table 803.9, 804

 Luminous 403.5.5, 411.7.1, 1024

 Mezzanines 505.3, 505.4, 1004.6

 Number, minimum 403.5, 1015.1, 1021

 Passageway 1023

 Ramps, exterior 1026

 Refrigerated rooms or spaces 1015.5

 Refrigeration machinery rooms 1015.4

 Signs 1011

 Stairs, exterior 1026

 Travel distance 104.2.2, 402.4, 404.9, 407.4, 408.6.1, 408.8.1, 411.4, 1014.3, 1015.5, 1016, 1021.2, 1028.7

 Underground buildings 405.7

EXIT ACCESS (see MEANS OF EGRESS) 1014 through 1019

 Aisles 1017

 Balconies 1016.2, 1019

 Common path 1014.3

 Corridors 1018

 Doors 1005.2, 1008, 1015, 1020.2

 Intervening space 1014.2

 Path of egress travel, common 1014.3

 Seating at tables 1017.3

 Single exit 1015.1.1, 1021.2

 Travel distance 402.4, 404.9, 407.4, 408.6.1, 408.8.1, 411.4, 1014.2.2, 1014.3, 1015.5, 1016, 1021.2, 1028.7

EXIT DISCHARGE (see MEANS OF EGRESS) . . 1027

 Courts 1027.5

 Horizontal exit 1027.1

 Lobbies 1027.1

 Marquees 3106.4

 Open parking garage 1027.1

 Public way 1027.6

 Termination 1022.2

 Vestibules 1027.1

EXIT PASSAGEWAY (see MEANS OF EGRESS) 707.3.3, 1023

EXIT SIGNS 1011

 Accessibility 1011.3

 Illumination 1011.2, 1011.4, 1011.5

 Required 1011.1

 Special amusement buildings 411.7

EXPLOSIVES Table 414.5.1, Table 415.3.1, Table 415.3.2

EXPOSURE CATEGORY (see WIND LOAD) . . 1609.4

EXTERIOR AREAS FOR ASSISTED RESCUE

 Requirements 1007.7

 Signage 1007.9, 1007.10, 1007.11

 Where required 1007.2

EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) 1408

Special inspection 1704.14

EXTERIOR WALLS
 (see **WALLS, EXTERIOR**) Table 601, 602,
 705, Chapter 14

FACTORY OCCUPANCY (GROUP F) 306

Accessory 508.2

Area 403.1, 503, 503.1.1,
 505, 506, 507, 508

Dead end corridor 1018.4

Fire alarm and detection 907.2.4

Height 503, 504, 505, 506, 508

Interior finishes Table 803.9, 804

Live load Table 1607.1

Low-hazard occupancy 306.3

Moderate-hazard occupancy 306.2

Plumbing fixtures 2902

Smoke and heat vents 910.2

Special occupancy separation Table 508.2.5

Travel distance 1014.3, 1015.4,
 1015.5, 1016.1, 1021.2

Unlimited area 507.2, 507.3, 507.4

FARM BUILDINGS Appendix C

FEES, PERMIT 109

Refunds 109.6

Related fees 109.5

Work commencing before issuance 109.4

FENCES 105.2, 312.1

FIBERBOARD 2302.1, 2303.1.5

Shear wall 2306.6

FILL MATERIAL 1804, 3304

FINGER-JOINTED LUMBER (see END-JOINTED LUMBER)

FIRE ALARM AND SMOKE DETECTION SYSTEMS

Aerosol storage 907.2.16

Aircraft hangars, residential 907.2.21

Airport traffic control towers 412.3.4

Ambulatory care facilities 422.6, 907.2.2.1

Assembly 907.2.1

Atriums 907.2.14

Audible alarm 907.9.2

Battery room 907.2.23

Construction documents 907.1.1

Covered mall and open mall 402.4.5.1, 402.11,
 402.12.2, 402.15, 907.2.20

Education 907.2.3

Emergency system 908

Factory 907.2.4

Group H 907.2.5, 907.2.15

Group I 907.2.6, 907.5.2.3.3

Group M 907.2.7

Group R 907.2.8, 907.2.9, 907.2.10,
 907.2.11, 907.5.2.3.3, 907.5.2.3.4

High-rise 403.4.2, 907.2.13

Institutional occupancy 407.2.1, 407.2.3, 407.6

Live/work 419.5, 907.2.9

Lumber mills 907.2.17

Occupancy requirements 907.2

Special amusement buildings 411.3, 411.5,
 907.2.12

Underground buildings 907.2.18, 907.2.19

Visible alarm 907.5.2.3

FIRE ALARM BOX, MANUAL 907.4.2

FIRE AREA 901.7

Ambulatory health care facilities 903.2.2, 907.2.2

Assembly 903.2.1

Education 903.2.3

Factory 903.2.4

Institutional 903.2.6

Mercantile 903.2.7

Residential 903.2.8

Storage 903.2.9, 903.2.10

FIRE BARRIERS 110.3.6, 707, 708

Continuity 707.5, 708.4

Exterior walls Table 602, 707.4, 708.6

Fire-resistance rating of walls 603.1(21),
 603.1(22), 603.1(25),
 703, 707.3, 708.3

Glazing, rated 715.5

Incidental accessory occupancies 508.2.5.1

Joints 707.8, 708.9, 714, 2508.4

Marking 703.6

Materials 707.2, 708.3

Opening protection 707.6, 707.9, 708.7,
 708.10, 713.3, 715, 716.5.2

Penetrations 707.7, 708.8

Shaft enclosure 708.1

Special provisions

Aircraft hangars 412.4.4

Atriums 404.3, 404.6

Covered malls 402.4.6, 402.7.1, 402.7.3

Fire pumps 913.2.1

Flammable finishes 416.2

Group H-2 415.6.1.2, 415.6.2.2

Group H-3 and H-4 415.7

Group H-5 415.8.2.2, 415.8.2.5,
 415.8.5.2, 415.8.6.3

Group I-3 408.5, 408.7

Hazardous materials 414.2

High-rise 403.2.1.2, 403.3, 403.4.7.1

Hydrogen cutoff rooms 421.4

Organic coating 418.4, 418.5, 418.6

Stages and platforms 410.5.1, 410.5.2

FIRE COMMAND CENTER 403.4.5, 911

FIRE DAMPERS 716.2 through 716.5

FIRE DEPARTMENT (see EMERGENCY RESPONDERS)

FIRE DETECTION SYSTEM (see FIRE ALARM AND SMOKE DETECTION SYSTEMS)

FIRE DISTRICT Appendix D

FIRE DOOR (see OPENING PROTECTIVES) 715, 1022.3, 1022.4

FIRE ESCAPE 412.7.3, 3406

FIRE EXTINGUISHERS, PORTABLE 906, 3309

FIRE EXTINGUISHING SYSTEMS 416.5, 417.4, 903, 904

FIRE PARTITION 110.3.6, 709

Continuity 709.4

Exterior walls Table 602, 709.5

Fire-resistance rating 603.1(21), 603.1(22), 603.1(25), 703, 709.3

Glazing, rated. 715.5

Joint treatment gypsum 2508.4

Joints 709.8, 714

Marking 703.6

Materials 709.2

Opening protection 709.6, 713.3, 715, 716.5.4

Penetrations 709.7, 709.9, 713, 716

Special provisions

 Covered mall 402.7.2

 Group I-3 408.7

 Group I-1, R-1, R-2, R-3. 420.2

FIRE PREVENTION 101.4.5

FIRE PROTECTION

Explosion control 414.5.1, 415.6.1.4, 415.8.5.4, 421.7

Fire extinguishers, portable. 906

Glazing, rated. 715.2

Smoke and heat vents 910

Smoke control systems. 909

Sprinkler systems, automatic 903

FIRE PROTECTION SYSTEMS Chapter 9

FIRE PUMPS Table 508.2.5, 913, 914.2

FIRE RESISTANCE

Calculated 721

Conditions of restraint. 703.2.3

Ducts and air transfer openings 716

Exterior walls Table 602, 705.5, 709.5

Fire district D102.2.5

High-rise. 403.2

Joint systems 714

Prescriptive 720

Ratings. Chapter 6, 703, 705.5, 707.3.9

Roof assemblies 1505

Structural members. 704

Tests 703

Thermal and sound insulating materials 719.1

FIRE RESISTANCE, CALCULATED 721

Clay brick and tile masonry 721.4

Concrete assemblies 721.2

Concrete masonry 721.3

Steel assemblies 721.5

Wood assemblies. 721.6

FIRE-RETARDANT-TREATED WOOD 2302.1, 2303.2

Awnings 3105.3

Balconies 1406.3

Canopies 3105.3

Concealed spaces 717.5

Fastening 2304.9.5

Fire wall vertical continuity. 706.6

Partitions 603.1

Platforms 410.4

Projections 705.2.3

Roof construction Table 601, 705.11, 706.6, 1505

Shakes and shingles 1505.6

Type I and II construction. 603.1(10), 603.1(25)

Type III construction. 602.3

Type IV construction. 602.4

Veneer 1405.5

FIRE SEPARATION DISTANCE Table 602, 702

Exterior walls 1406.2.1.1

FIRE SERVICE

ACCESS ELEVATORS 403.6.1, 3007

FIRE SHUTTER (see OPENING PROTECTIVES) 715.4, 715.4.9, 715.4.10, 715.5

FIRE WALLS 706

Aircraft. 412.6.2

Combustible framing 706.7

Continuity 706.5, 706.6

Exterior walls. Table 602, 706.5.1

Fire-resistance rating. 703, 706.4

Glazing, rated. 715.5

Inspection 110.3.6

Joints 706.10, 714

Marking 703.6

Materials 706.3

Opening protection 706.8, 706.11, 713.3, 715, 716.5.1

Penetration. 706.9, 713.3, 713.4

Special provisions

 Aircraft hangars 412.4.6.2

 Covered malls 402.7.3

 Group H-5. 415.8.2.6

 Private garages and carports 406.1.2

 Structural stability. 706.2

FIRE WINDOWS (see OPENING PROTECTIVES)

FIREBLOCKING 717.2

Chimneys 717.2.5, 2113.20
 Fireplaces 2111.12
 Wood construction 717.2.1, 717.2.7, 1406.2.4
 Wood stairs 717.2.4
FIREPLACES, FACTORY-BUILT 2111.14.1
FIREPLACES, MASONRY 2102.1
 Combustibles 2111.11
 General provisions 2111
 Hearth extension 2111.9, 2111.10
 Steel units 2111.5.1
FIREWORKS 307.2, 307.3, 307.5
FLAMESPREAD 802, 803.1.1, Table 803.9
FLAMMABLE FINISHES 307.1, 416
FLAMMABLE LIQUIDS 307.4, 307.5, 406,
 412, 414, 415
FLAMMABLE SOLIDS 307.5, 415
FLASHING
 Roof 1503.2, 1503.6, 1507.2.9,
 1507.3.9, 1507.5.7, 1507.7.7,
 1507.8.8, 1507.9.9, 1510.6
 Wall, veneer 1405.4, 1405.12.7
FLOOD-RESISTANT CONSTRUCTION
 Accessibility 1107.7.5
 Administration G101 through G105
 Elevation certificate 111.3.3
 Existing 3403.2, 3404.2,
 3405.5, 3409.2, 3412.2.4.1
 Flood elevation 107.2.5.1, 1612
 Flood loads 1603.1, 1603.1.7,
 1612, 3001.2, 3102.7
 Flood resistance 1403.5, 1403.6
 Flood-resistant construction Appendix G
 Grading and fill 1804.4, 1805.1.2.1
 Historic buildings G105.3
 Interior finishes 801.1.3
 Manufactured homes G501
 Recreation vehicles G601
 Site improvements G401
 Site plan 107.2.5
 Subdivisions G301
 Tanks G701
 Temporary G901
 Utility G1001
 Ventilation, under floor 1203.3.2
FLOOR/CEILING (see FLOOR CONSTRUCTION)
**FLOOR CONSTRUCTION (see FLOOR
 CONSTRUCTION, WOOD)**
 Draftstopping 717.3
 Finishes 804, 805, 1003.4, 1210.1
 Fire resistance Table 601, 712
 Loads (see FLOOR LOADS)
 Materials Chapter 6

Penetration of fire-resistant
 assemblies 712, 713.4,
 716.2, 716.6

FLOOR CONSTRUCTION, WOOD

Beams and girders 2304.11.2.1, 2308.7
 Bridging/blocking 2308.8.5, 2308.10.6
 Diaphragms 2305.1
 Fastening schedule 2304.9.1
 Framing Table 602.4, 602.4.2, 602.4.4, 2304.4
 Joists 2308.8
 Sheathing 2304.7

FLOOR LEVEL 1003.5, 1008.1.5

FLOOR LOADS

Construction documents 107.2
 Live 1603.1.1, 1607
 Posting 106.1

**FLOOR OPENING PROTECTION (see VERTICAL
 OPENING PROTECTION)**

FOAM PLASTICS

Attics 719.1, 2603.4.1.6
 Cold storage 2603.3, 2603.4.1.2, 2603.5
 Concealed 603
 Covered mall and open mall buildings 402.16.5
 Crawl space 2603.4.1.6
 Doors 2603.4.1.7 through 2603.4.1.9
 Exterior walls of multistory buildings 2603.5
 Interior finish 801.2.2, 2603.9, 2604
 Label/identification 2603.2
 Metal composite materials (MCM) 1407.1.1,
 1407.13
 Roofing 2603.4.1.5
 Siding backer board 2603.4.1.10
 Stages and platform scenery 410.3.6
 Surface burning characteristics 2603.3
 Thermal barrier requirements 2603.5.2
 Trim 806.3, 2604.2
 Type I and II construction 603.1(1), 603.1(2)
 Walk-in coolers 2603.4.1.3

FOLDING AND TELESCOPIC SEATING 1028.1.1
 3401.1

Accessibility 1108.2
 Egress 1028.1.1
 Live load Table 1607.1
 Occupant load 1004.7

FOOD COURT 402.2

Occupant load 402.4.1.4

FOOTBOARDS 1028.14.2

FORMWORK, CONCRETE 1906

FOUNDATION

(see FOUNDATION, DEEP and
 FOUNDATION, SHALLOW) Chapter 18
 Basement 1610, 1805.1.1, 1806.3, 1807

Concrete 1808.8, 1809.8, 1810.3.2.1
 Damproofing 1805.2
 Encroachment, public right-of-way 3202.1
 Formwork 1906, 3304.1
 Geotechnical investigation
 (see SOILS AND FOUNDATIONS) 1803
 Inspection 110.3.1
 Load-bearing value 1806, 1808, 1810
 Masonry 1808.9
 Pedestrian protection 3306.9
 Pier (see FOUNDATION, SHALLOW)
 Pile (see FOUNDATION, DEEP)
 Plates or sills 2308.6
 Protection from adjacent construction 3303.3.5,
 3307.1
 Rodentproofing Appendix F
 Special inspections 1704.4, 1708.4.8
 1704.9, 1704.10, 1704.11
 Steel 1809.11, 1810.3.2.2, 1018.3.2.3
 Timber 1809.12, 1810.3.2.4
 Waterproofing 1805.3

FOUNDATION, DEEP 1802.1, 1810
 Drilled shaft 1802.1
 Existing 1810.10.1.2
 Geotechnical investigation 1803.5.5
 Grade beams 1810.3.12
 Helical pile 1802.1, 1810.3.1.5
 Table 1810.3.2.6, 1810.3.3.1.9
 1810.3.5.3.3, 1810.4.11, 1810.4.12
 Micropile 1802.1, Table 1808.8.1,
 Table 1810.3.2.6, 1810.3.5.2.3,
 1810.3.10, 1810.4.10
 Piles Table 1808.8.1, 1809.12,
 1810, 1810.3.1.4

FOUNDATION, SHALLOW 1802.1, 1809
 Piers and curtain wall 1809.10
 Slab-on-grade 1808.6.2
 Strip footing 1808.8, 1809

FOYERS
 Assembly occupancy 1028.4, 1028.9.5
 Corridors 1018.6
 Covered mall and open mall 402.1

FRAME INSPECTION 110.3.4

FRATERNITIES 310

FROST PROTECTION 1809.5

FURNACE ROOMS 1015.3

G

GALLERIES

Means of egress 410.3.2, 1015.6.1, 1028.5
 Sprinklers 410.6

GARAGE, AUTOMOBILE PARKING (see PARKING GARAGES)

GARAGE, REPAIR 406.6
 Floor surface 406.6.4
 Gas detection system 406.6.6, 908.5
 Sprinklers 903.2.9.1
 Ventilation 406.6.3

GARAGES, TRUCK AND BUS

Live load 1607.6, 1607.7.3
 Sprinklers 903.2.10.1

GARAGES AND CARPORTS, PRIVATE 406.1

Area limitations 406.1.2
 Separation 406.1.4

GAS 101.4.1, 105.2, 112

Accessibility 1109.13, 3411.8.13
 Gas detection system 406.6.6, 415.8.7,
 421.6, 908
 Hydrogen cutoff room 421.6
 Motor fuel-dispensing 406.5

GATES 1008.2

Vehicular 3110

GIFT SHOPS 407.2.4

GIRDERS

Fire resistance Table 601
 Materials Chapter 6
 Wood construction 2304.11.2.1, 2308.7

GLASS (see GLAZING)

GLASS BLOCK (see GLASS UNIT MASONRY)

GLASS UNIT MASONRY 2102.1, 2110

Atrium enclosure 404.5
 Design method 2101.2.5
 Fire resistance 2110.1.1
 Hazardous locations 2406.1.3
 Material requirements 2103.6

GLAZING

Athletic facilities 2408
 Doors 705.8, 710.5, 711.5,
 715.4.3.2, 1405.13, 1715.5
 Elevator hoistway and car 2409
 Fire doors 715.4.4, 715.4.7
 Fire-resistant walls 715.4.3.2
 Fire windows 703.5, 715.5
 Group I-3 408.7
 Guards 1013.1.1, 2406.4, 2407
 Handrail 1009.12, 2407
 Identification 2403.1, 2406.3
 Impact loads 2406.1, 2407.1.4.2,
 2408.2.1, 2408.3
 Impact resistant 1609.1.2
 Jalousies 2403.5
 Label/identification 715.4.6.1,
 715.4.7.3, 715.5.9

Loads 2404

Louvered windows 2403.5

Opening protection. 715.2

Replacement 2401.2, 3407

Safety 715.4.7.4, 2406

Security 408.7

Skylights 2405

Sloped 2404.2, 2405

Supports. 2403.2

Swimming pools. 2406.4

Testing 1715.5, 2406.1.1, 2408.2.1

Veneer 1405.12

Vertical 2404.1

Wired. 715.5.4

GRADE, LUMBER (see LUMBER) 2302.1

GRADE PLANE 502

GRAIN ELEVATORS. 415.6.1.5

GRANDSTANDS 303.1, 1028.1.1, 3401.1

 Accessibility 1108.2

 Exit sign exemptions 1011.1

 Live load Table 1607.1

 Occupant load 1004.7

GREENHOUSES 312.1

 Area 503, 505, 506, 507, 508

 Deflections Table 1604.3

 Live load. 1607.11.2.1

 Membrane structure. 3102.1

 Plastic. 2606.11

 Sloped glazing 2405

 Wind load 1609.1.2

GRIDIRON. 410.2

 Means of egress 410.3.2, 1015.6.1

 Sprinklers 410.6

GRINDING ROOMS 415.6.1.2

GROSS LEASABLE AREA
(see COVERED MALL AND
OPEN MALL BUILDINGS). 402.2, 402.4.1.1

GROUT 713.3.1, 713.4.1.1, 2103.12

GUARDS 1013

 Assembly seating. 1028.1.1, 1028.14

 Equipment platform. 505.5.3

 Exceptions 1013.1

 Glazing 1013.1.1, 1303.1, 2406.4, 2407

 Height. 1013.2

 Loads 1607.7

 Mechanical equipment. 1013.5

 Opening limitations 1013.3

 Parking garage 406.2.4

 Ramps 1010.10

 Residential 1013.2

 Roof access 1013.6

 Screen porches 1013.4

 Stairs 1013.1

 Vehicle barrier. 1607.7.3

GUTTERS 1503.4.3

GYMNASIUMS 303.1

 Group E 303.1(4)

 Live load Table 1607.1

 Occupant load 1004.1

GYPSUM Chapter 25

 Aggregate, exposed 2513

 Board. Chapter 25

 Ceiling diaphragms 2508.5

 Concrete, reinforced 1914

 Construction 2508

 Draftstopping. 717.3.1

 Exterior soffit Table 2506.2

 Fastening. Table 2306.7, 2508.1

 Fire resistance 718, 721.2.1.4, 721.6.2

 Fire-resistant joint treatment 2508.4

 Inspection 2503

 Lath 2507, 2510

 Lathing and furring for cement plaster . . . 718, 2510

 Lathing and plastering 2507

 Materials 2506

 Plaster, exterior 2512

 Plaster, interior 2511

 Shear wall construction 2306.7, 2308.9.3, 2505

 Sheathing Table 2304.6

 Showers and water closets. 2509

 Stucco 2510

 Veneer base. 2507.2

 Veneer plaster 2507.2

 Vertical and horizontal assemblies 2504

 Wallboard Table 2506.2

 Water-resistant backing board 2506.2, 2509.2

H

HANDRAILS 1012

 Alternating tread devices 1009.10.1

 Assembly aisles 1028.13

 Construction. 1012.4, 1012.5, 1012.6

 Extensions 1012.6

 Glazing 2407

 Graspability 1012.3

 Guards 1013.2

 Height. 1012.2

 Loads 1607.7

 Location 1012.1, 1012.7, 1012.8, 1012.9

 Ramps 1010.8

 Stairs 1009.12

HARDBOARD. 1404.3.2, 2302.1, 2303.1.6

HARDWARE (see DOORS and LOCKS AND LATCHES)

HARDWOOD

Fastening 2304.9
 Quality 2303.1.8.1, 2303.3
 Veneer 1404.3.2

HAZARDOUS MATERIALS 307, 414, 415

Control areas 414.2
 Explosion control 414.5.1, Table 414.5.1, 415.6.1.4, 415.8.5.4
 Special provisions 415.4, 415.5
 Sprinklers Table 414.2.5(1), Table 414.2.5(2), 415.5.2, 415.6.2.4, 415.8.11, 903.2.7.1
 Ventilation 414.3, 414.5.4, 415.6.1.4, 415.6.2.8, 415.8.2.6, 415.8.2.8.2, 415.8.4.3, 415.8.5.7, 415.8.6.3, 415.8.7, 415.8.9.3, 415.8.10, 1203.5
 Weather protection 414.6.1

HEAD JOINT, MASONRY 2102.1

HEADROOM 406.2.2, 505.1, 1003.2, 1003.3, 1008.1.1, 1008.1.1.1, 1009.2, 1010.5.2, 1208.2

HEALTH CARE (see INSTITUTIONAL I-1 AND INSTITUTIONAL I-2)

Ambulatory health care facilities 422
 Clinics, outpatient 304
 Hospitals 308.3

HEALTH-HAZARD MATERIALS 307.2, Table 414.2.5(1), 415.2, 415.4, Table 415.8.2.1.1, 415.8.6.2

HEAT VENTS 910

HEATING (see MECHANICAL) 101.4.2

Aircraft hangars 412.4.4
 Fire pump rooms 913.3
 Fireplace 2111
 Masonry heaters 2112
 Parking garages 406.2.8
 Repair garages 406.6.5

HEIGHT, BUILDING 503, 504, 505, 506, 508, 509

Limitations 503
 Mixed construction types 509
 Modifications 504
 Roof structures 504.3

HIGH-PILED COMBUSTIBLE STORAGE 413, 907.2.15, 910.2.2

HIGH-HAZARD OCCUPANCY (GROUP H) 307, 414, 415

Accessory 508.2
 Area 503, 505, 506, 507, 508
 Classification 307
 Combustible liquids 307.4, 307.5, 414.2.5, 414.5.4, 415.6.2
 Control areas 414.2

Conveyors 415.6.1.3
 Corrosives 307.6, Table 414.2.5(1), 414.3, 415.7.3, Table 415.8.2.1.1
 Cryogenic Table 307.1, Table 414.5.1, Table 415.8.2.1.1
 Dispensing 414.1, 414.5, 414.6, 414.7.2, 415.3
 Dry cleaning (see DRY CLEANING PLANTS)
 Emergency alarm systems 414.7, 415.8.3, 415.8.4.6, 415.8.5.8, 908.1, 908.2
 Exceptions 307.1
 Exempt 307.1
 Explosives 307.3, Table 414.5.1, Table 415.3.1
 Factory industrial F-1 moderate-hazard occupancy 306.2
 Factory industrial F-2 low-hazard occupancy 306.3
 Fire alarm and detection 414.7.2, 415.8.8, 901.6.3, 907.2.5
 Fire district D102.2.2
 Flammable liquids 307.4, 307.5, 415.6.2
 Flammable solids 307.5, 415.1
 Grinding rooms 415.6.1.2
 Group H-1 307.3, 403.1, 415.3.1, 415.3.2, 415.4
 Group H-2 307.4, 403.1, 412.6.1, 415.3, 415.5, 415.6
 Group H-3 307.5, 403.1, 415.3, 415.5, 415.6.2, 415.7
 Group H-4 307.6, 415.4, 415.7
 Group H-5 307.7, 415.8
 Health-hazard materials 307.2, Table 414.2.5(1), 415.2, 415.4, Table 415.8.2.1.1, 415.8.6.2, 415.8.7.2
 Height 415.4, 415.5, 415.6.1.1, 415.6.1.6, 415.6.2.1.1, 503, 504, 505, 506, 508
 Interior finishes 416.2.1, 416.3.1, Table 803.9, 804
 Irritants Table 414.2.5(1), Table 415.8.2.1.1
 Liquid, highly toxic and toxic 307.6, Table 414.2.5(1), 415.7.3, 415.7.4, Table 415.8.2.1.1, 908.3
 Live load Table 1607.1
 Location on property 414.6.1.2, 415.3
 Multiple hazards 307.8
 Organic peroxides Table 414.5.1, Table 415.3.2, 415.4.1, 415.5.1, Table 415.8.2.1.1, 418
 Oxidizers, liquid and solid Table 414.2.5(1), Table 414.5.1, 415.5.1, Table 415.3.2, Table 415.8.2.1.1

Pyrophoric materials	307.4, Table 307.1(1), Table 414.5.1, 415.4.1, Table 415.3.2, 415.5.1, Table 415.8.2.1.1		
Sensitizers	Table 415.8.2.1.1		
Separation from other occupancies	415.3.1, 508.2.4, Table 508.2.5, 508.3.3, 508.4		
Solids, highly toxic and toxic	307.6, Table 414.2.5(1), 415.7.3, 415.7.4, Table 415.8.2.1.1, 908.3		
Smoke and heat vents	910.2		
Sprinklers	415.5.2, 415.6.2.4, 415.8.6.3, 415.8.9, 415.8.10.1, 415.8.11, 705.8.1, 903.2.5		
Standby power systems	414.5.4, 2702.2.8, 2702.2.10 through 2702.2.13		
Storage	413, 414.1, 414.2.5, 414.5, 414.6, 414.7.1, 415.2, 415.3, Table 415.3.2, 415.4.1, 415.5, 415.6.1, 415.6.2		
Tanks	415.6.2		
Travel distance	1014.3, 1016.1, 1021.2		
Unlimited area	507.8		
Unstable materials	307.3, Table 414.2.5(1), Table 414.5.1, Table 415.3.2, 415.4.1, 415.5.1, Table 415.8.2.1.1		
Water-reactive materials	Table 414.5.1, Table 415.3.2, 415.5, 415.5.1, 415.5.2, 415.8, Table 415.8.2.1.1		
HIGH-RISE BUILDINGS	403		
Application	403.1		
Construction	403.2		
Elevators	403.6, 1007.2.1, 3007, 3008		
Emergency power	403.4.8, 2702.2.15		
Emergency systems	403.4		
Fire alarm	403.4.2		
Fire alarm and detection	403.4.1, 907.2.13		
Fire command station	403.4.5		
Fire department communication	403.4.3, 403.4.4		
Fire service elevators	403.6.1, 3007		
Occupant evacuation elevators	403.6.2, 3008		
Smoke removal	403.4.6		
Smokeproof enclosure	403.5.4, 1022.9		
Sprayed fire-resistant materials (SFRM)	403.2.4		
Sprinklers	403.3, 903.2.11.3		
Stairways	403.5		
Standby power	403.4.7, 2702.2.5, 2702.2.15		
Structural integrity	403.2.3, 1614		
Super high-rise (over 420 feet)	403.2.1, 403.2.3, 403.2.4, 403.3.1, 403.5.2		
Voice alarm	403.4.3, 907.2.13		
Zones	907.6.3.2		
HISTORIC BUILDINGS	3409		
Accessible	3411.9		
Flood provisions	G105.3		
HORIZONTAL ASSEMBLY	712		
Continuity	508.2.5.1, 712.4, 708.11, 708.12		
Fire-resistance rating	603.1(21), 603.1(22), 603.1(25), 703, 707.3.9, 712.3		
Glazing, rated	715.5		
Group I-1	420.3		
Group R	420.3		
Incidental accessory occupancies	508.2.5.1		
Insulation	719, 807, 808		
Joints	714, 2508.4		
Opening protection	712.8, 713.4, 715, 716.6		
Shaft enclosure	708.1		
Special provisions			
Aircraft hangars	412.4.4		
Atrium	404.3, 404.6		
Covered mall	402.4.6, 402.7.1		
Fire pumps	913.2.1		
Flammable finishes	416.2		
Group H-2	415.6.1.2, 415.6.2.2		
Group H-3 and H-4	415.7		
Group H-5	415.8.2.2, 415.8.5.2		
Group I-2	407.4.3		
Groups I-1, R-1, R-2, R-3	420.3		
Hazardous materials	414.2		
High-rise	403.2.1, 403.3, 403.4.7.1		
Hydrogen cutoff	421.4		
Organic coating	418.4, 418.5, 418.6		
Stages and platforms	410.5.1, 410.5.2		
HORIZONTAL EXIT	1025		
Accessible means of egress	1007.2, 1007.2.1, 1007.3, 1007.4, 1007.6, 1007.6.2		
Doors	1025.3		
Exit discharge	1027.1		
Fire resistance	1025.2		
Institutional I-2 occupancy	407.4, 1025.1		
Institutional I-3 occupancy	408.2, 1025.1		
Refuge area (see REFUGE AREAS)			
HORIZONTAL FIRE SEPARATION (see HORIZONTAL ASSEMBLY)			
HOSE CONNECTIONS (see STANDPIPES, REQUIRED)			
HOSPITAL (see INSTITUTIONAL GROUP I-2)	308.3, 407		
HURRICANE-PRONE REGIONS (see WIND LOADS)	1609.2		
HURRICANE SHELTER (see STORM SHELTER)			
HURRICANE SHUTTERS	1609.1.2		

HYDROGEN CUTOFF ROOMS 421, Table 508.2.5

I

IDENTIFICATION, REQUIREMENTS FOR

- Fire barriers 703.6
- Fire partitions 703.6
- Fire wall 703.6
- Glazing 2403.1, 2406.3
- Inspection certificate 1702.1
- Labeling 1703.5
- Preservative-treated wood 2303.1.8.1
- Smoke barrier 703.6
- Smoke partition 703.6
- Steel 2203.1

IMPACT LOAD 1602.1, 1603.1.1, 1607.8

INCIDENTAL USE AREAS
(see **ACCESSORY OCCUPANCIES**)

INCINERATOR ROOMS 1015.3

INDUSTRIAL (see **FACTORY OCCUPANCY**)

INSPECTIONS 110, 1704, 1705, 1706, 1707

- Alternative methods and materials 1704.15
- Approval required 110.6
- Atrium buildings 909.3
- Concrete construction 110.3.1, 110.3.2, 110.3.9, 1704.4
- Concrete slab 110.3.2
- Continuous 1702.1
- EIFS 110.3.9, 1704.14
- Energy efficiency 110.3.7
- Fabricators 1704.2
- Fees 109
- Final 110.3.10
- Fire-resistant materials . . 110.3.9, 1704.12, 1704.13
- Fire-resistant penetrations 110.3.6
- Footing or foundation 110.3.1, 110.3.9, 1704.4, 1704.5, 1704.8, 1704.9, 1704.10, 1704.11
- Frame 110.3.4
- Lath or gypsum board 110.3.5, 2503
- Liability 104.8
- Masonry 110.3.9, 1704.5, 1704.11
- Periodic 1702.1
- Preliminary 110.2
- Required 110.3
- Right of entry 104.6
- Seismic 1707
- Smoke control 104.16, 1704.16
- Soils 110.3.9, 1704.7
- Special (see **STRUCTURAL TESTS AND SPECIAL INSPECTIONS**) 110.3.9, 1704, 1706, 1707
- Sprayed fire-resistant materials 1704.12

- Sprinklers, automatic 904.4
- Steel 110.3.4, 110.3.9, 1704.3
- Third-party 110.4
- Welding 110.3.9, 1704.3, 2204.1
- Wind 110.3.9, 1706
- Wood, structural 110.3.9, 1704.6

INSTITUTIONAL I-1 [see INSTITUTIONAL OCCUPANCY (GROUP I)] 308.2

- Accessibility 1106.7.2, 1107.5.1
- Combustible decorations 806.1
- Emergency escape and rescue 1029
- Fire alarm and detection 907.2.6.1, 907.2.11.2, 907.5.2.3.2
- Special occupancy separation 420, 508.2.4, Table 508.2.5, 508.3.3
- Sprinklers 903.2.6, 903.3.2
- Travel distance 1014.3, 1016.1, 1021.2
- Visible alarms 907.5.2.3.3

INSTITUTIONAL I-2 [see INSTITUTIONAL OCCUPANCY (GROUP I)] 308.3, 407

- Accessibility 1106.4, 1106.7.2, 1107.5.2, 1107.5.3, 1107.5.4, E106.4.6
- Combustible decorations 806.1
- Corridors 407.2, 407.3, 1018.2
- Doors 1008.1.9.6
- Exterior exit stair 1026.2
- Fire alarm and detection . . . 407.6, 407.7, 907.2.6.2
- Hardware 1008.1.9.6
- Hyperbaric facilities 407.9
- Occupancy category Table 1604.5
- Smoke barriers 407.4
- Smoke compartment 407.2.1, 407.2.3, 407.4, 407.5
- Smoke partitions 407.3
- Special occupancy separation Table 508.2.5
- Sprinklers 407.5, 903.2.6, 903.3.2
- Suites 1014.2.2 through 1014.2.7
- Travel distance 407.4, 1014.2.3.3, 1014.2.4.3, 1014.2.4.4, 1014.2.6, 1014.3, 1016.1, 1021.2
- Yards 407.8

INSTITUTIONAL I-3 [see INSTITUTIONAL OCCUPANCY (GROUP I)] 308.4, 408

- Accessibility 1103.2.14, 1107.5.5, 1108.4.2, 3411.8.7, E104.3, E104.4, E106.4.8
- Combustible decorations 806.1
- Exit sign exemption 1011.1
- Fire alarm and detection 408.10, 907.2.6.3
- Hardware 408.4, 1008.1.9.9
- Means of egress 408.2, 408.3, 408.4
- Occupancy category Table 1604.5

INDEX

Security glazing 408.7
 Separation 408.5, 408.8
 Smoke barrier 408.6
 Smoke compartment 408.4.1, 408.6, 408.9
 Special occupancy separation Table 508.2.5
 Sprinklers 903.2.6
 Travel distance 408.6.1, 408.8.1,
 1014.3, 1016.1, 1021.2

INSTITUTIONAL I-4 [see INSTITUTIONAL OCCUPANCY (GROUP I)] 308.3.1, 308.5
 Accessibility 1103.2.12
 Corridor rating 1018.1
 Fire alarm 907.2.6
 Sprinklers 903.2.6
 Travel distance 1014.3, 1016.1, 1021.2

INSTITUTIONAL OCCUPANCY (GROUP I) 308
 Accessory 508.2
 Adult care 308.5.1
 Area 503, 505, 506, 507, 508
 Child care 308.3.1, 308.5.2, 310.1
 Group I-1 308.2
 Group I-2 308.3, 407
 Group I-3 308.4, 408
 Group I-4 day care facilities 308.3.1, 308.5, 310.1
 Height 503, 504, 505, 506, 508
 Interior finishes Table 803.9, 804
 Live load Table 1607.1
 Plumbing fixtures 2902
 Special occupancy separation 420, 508.2.4,
 Table 508.2.5, 508.3.3

INSULATION
 Concealed 719.2
 Duct insulation 719.1
 Exposed 719.3
 Fiberboard 719.1, 1508.1.1,
 2303.1.5.2, 2303.1.5.3
 Foam plastic (see FOAM PLASTICS) 719.1
 Loose fill 719.4, 719.6
 Pipe insulation 719.1, 719.7
 Reflective plastic core 2613
 Roof 719.5, 1508
 Sound 719, 807, 1207
 Thermal 719, 807, 1508

INTERIOR ENVIRONMENT
 Lighting 1205
 Rodentproofing Appendix F
 Sound transmission 1207
 Space dimensions 1208
 Temperature control 1204
 Ventilation 409.3, 414.3, 415.8.2.6, 1203.4
 Yards or courts 1206.2, 1206.3

INTERIOR FINISHES Chapter 8

Acoustical ceiling systems 807, 808
 Application 803.10, 804.4
 Atriums 404.8
 Decorative materials 801.1.2, 806
 Floor finish 804, 805
 Foam plastic insulation 2603.3, 2603.4
 Foam plastic trim 806.3, 2604.2
 Insulation 807
 Light-transmitting plastics 2606
 Signs 402.16, 2611
 Trim 806.5, 806.6
 Wall and ceiling finishes 803
 Wet location 1210, 2903

INTERPRETATION, CODE 104.1

J

JAILS (see INSTITUTIONAL I-3) 308.3, 408

JOINT
 Concrete construction joints 1906.4
 Gypsum board 2508.4
 Lumber sheathing 2308.10.8.1
 Shotcrete 1913.7
 Structural plain concrete 1909.3
 Waterproofing 1805.3.3

JOINTS, FIRE-RESISTANT SYSTEMS 714

K

KIOSKS 402.11

KITCHENS Table 508.4(d)
 Accessibility 1109.4
 Dimensions 1208
 Means of egress 1014.2
 Occupant load Table 1004.1.1
 Rooms openings 1210.5

L

LABORATORIES
 Classification of 304.1
 Hazardous materials 414, 415
 Incidental accessory occupancies Table 508.2.5

LADDERS
 Boiler, incinerator and furnace rooms 1015.3
 Construction 1009.4.2, 1012.2,
 1012.6, 1013.2, 1013.3
 Emergency escape window wells 1029.5.2
 Group I-3 408.3.5, 1009.11
 Heliport 412.7.3, 1021.1.3
 Refrigeration machinery room 1015.4
 Stage 410.5.3, 1015.6.1

LAMINATED TIMBER, STRUCTURAL GLUED 602.4, 2303.1, 2304.11.3, 2306.1, 2308.8.2.1, 2308.10.7

LANDINGS
 Doors 1008.1.6
 Ramp 1010.6
 Stair 1009.5

LATH, METAL OR WIRE Table 2507.2

LAUNDRIES 304.1, 306.2, Table 508.2.5

LAUNDRY CHUTE 708.13, 903.2.11.2

LEGAL
 Federal and state authority 102.2
 Liability 104.8
 Notice of violation 114.2, 116.3
 Registered design professional 107.1, 107.3.4
 Right of entry 104.6
 Unsafe buildings or systems 116
 Violation penalties 114.4

LIBRARIES
 Classification, other than school 303.1
 Classification, school 305.1
 Live load Table 1607.1

LIGHT, REQUIRED 1205
 Artificial 1205.3
 Emergency (see EMERGENCY LIGHTING)
 Natural 1205.2
 Stairways 1205.4
 Yards and courts 1206

LIGHTS, PLASTIC CEILING DIFFUSERS 2606.7

LINTEL
 Adobe 2109.3.4.7
 Fire resistance 704.11
 Masonry 2104.1.5
 Masonry, wood support 2304.12

LIQUEFIED PETROLEUM GAS 415.6.3

LIVE LOADS 1602.1, 1607
 Construction documents 107.2, 1603.1.1
 Posting of 106.1

LIVE/WORK UNITS 310.1, 419
 Separation 508.1

LOAD AND RESISTANCE FACTOR DESIGN (LRFD) 1602.1
 Load combinations 1605.2
 Wood design 2301.2, 2307

LOAD COMBINATIONS 1605
 Allowable stress design 1605.3
 Load and resistance factor design 1605.2
 Strength design 1605.2

LOADS 106, 1602.1
 Combinations 1605
 Dead 1602.1, 1606

Flood 1603.1.7, 1612
 Impact 1602.1, 1607.8
 Live 419.6, 1603.1.1, 1607
 Rain 1611
 Seismic 1603.1.5, 1613
 Snow 1603.1.3, 1608
 Soil lateral 1610
 Wind 1603.1.4, 1609

LOBBIES
 Assembly occupancy 1028.4
 Elevator 708.14.1, 1007.2.1, 1007.4, 3007.4, 3008.11
 Exit discharge 1027.1

LOCKS AND LATCHES 1008.1.9, 1008.1.10
 Access-controlled egress 1008.1.4.4
 Delayed egress locks 1008.1.9.7
 Electromagnetically locked 1008.1.9.8
 Group I-2 1008.1.9.6
 Group I-3 408.4, 1008.1.9.9
 Group R-4 1008.1.9.5.1
 High-rise 403.5.3

LUMBER
 General provisions Chapter 23
 Quality standards 2303

M

MAINTENANCE
 Accessibility 3411.2
 Means of egress 3310.2

MALL (see COVERED MALL AND OPEN MALL BUILDINGS)

MANUAL FIRE ALARM BOX 907.4.2

MANUFACTURED HOMES
 Flood-resistant G501

MARQUEES 3106, H113
 Drainage, water 3201.4
 Live load Table 1607.1, 1607.11

MASONRY
 Adhered veneer 1405.10
 Adobe 2109.3
 Anchorage 1604.8.2
 Anchored veneer 1405.6
 Ashlar stone 2102.1
 Autoclaved aerated concrete (AAC) 2102.1, 2103.3
 Calculated fire resistance 721.4
 Chimneys 2113
 Cold weather construction 2104.3
 Construction 2104, 2109.2.2
 Construction documents 2101.3
 Corbelled 2104.2

Dampproofing	1805.2.2	Ambulatory care facilities	422.4
Design, methods	2101.2, 2107 through 2109	Assembly	1007.1, 1028
Fire resistance, calculated	721.3.2, 721.3.4	Atrium	404.9, 707.3.5
Fireplaces	2101.3.1, 2111	Capacity	1005.1
Floor anchorage	1604.8.2	Child care facilities (see Day care facilities)	
Foundation walls	1807.1.5	Ceiling height	1003.2
Foundations, adobe	2109.3.4.3	Construction drawings	107.2.3
Glass unit	2101.2.5, 2103.6, 2110	Covered mall and open mall buildings	402.4, 402.5, 402.13
Grouted	2102.1	Day care facilities	308.5, 310.1, Table 1004.1.1, Table 1015.1(a), Table 1021.2(e)
Headers (see BONDING, MASONRY)	2109.2	Doors	1005.2, 1008, 1015, 1020.2, 2702.2.7
Heaters	2112	During construction	3303.3, 3310
Hot weather construction	2104.4	Elevation change	1003.5
Inspection, special	1704.5	Elevators	403.5.2, 403.6.2, 1003.7, 1007, 3008
Joint reinforcement	2103.13	Emergency escape and rescue	1029
Materials	2103	Equipment platform	505.5
Penetrations	713	Escalators	1003.7
Quality assurance	2105	Existing buildings	1007.1, 3310, 3404.6, 3406.1, 3411.6, 3412.5, 3412.6.11
Rodentproofing	Appendix F	Exit (see EXIT)	1020 through 1026
Roof anchorage	1604.8.1	Exit access (see EXIT ACCESS)	1014 through 1019
Rubble stone	2102.1	Exit discharge (see EXIT DISCHARGE).	1027
Seismic provisions	2106	Exit enclosures	1022.1
Serviceability	1604.3.4	Exit signs	1011, 2702.2.3, 2702.2.9
Stone	2103.4, 2109.2	Fire escapes	3406
Support	2304.12	Floor surface	804, 1003.4
Surface bonding	2103.9	Gates	1008.2
Test procedures	2105.2.2.2, 2105.3	Group I-2	407.4
Tie, wall	2104.1.3	Group I-3	408.2, 408.3, 408.4, 408.6
Veneer	1405.6, 1405.10, 2101.2.6, 2308.11.2	Guards	1013
Wall, composite	2102.1	Handrails	1012
Wall, hollow	2102.1	Hazardous materials	414.6.1.2, 415.8.4.4, 415.8.5.5
Wall anchorage	1604.8.2	Headroom	1003.2, 1003.3
Waterproofing	1805.3.2	Helistops	412.7.3, 1021.1.3
Wythe	2102.1	High-hazard Group H	415.8.4.4, 415.8.5.5
MATERIALS		High-rise	403.5, 403.6
Alternates	104.11	Illumination	1006, 2702.2.4, 3412.6.15
Aluminum	Chapter 20	Interior finish	803.9, 804
Concrete	Chapter 19	Ladders (see LADDERS)	
Glass and glazing	Chapter 24	Live loads	Table 1607.1
Gypsum	Chapter 25	Live/work units	419.3
Masonry	Chapter 21	Mezzanines	505.3, 505.4, 1004.6, 1007.1
Noncombustible	703.4	Moving walk	1003.7
Plastic	Chapter 26	Occupant load	1004.1, 1004.1.1, 1004.2
Steel	Chapter 22	Parking	406.3.8
Testing (see TESTING)	1716	Protruding objects	1003.3, 1005.2
Wood	Chapter 23	Ramps	1010, 1026
MEANS OF EGRESS	Chapter 10	Scoping	101.3, 105.2.2, 108.2, 1001.1
Accessible	1007, 2702.2.5, 2702.2.6, 3411.6, 3411.8.10	Seating, fixed	1007.1, 1028
Aircraft-related	412.3.3, 412.5.2		
Alternating tread device	412.7.3, 505.5, 1009.10, 1015.3, 1015.4		

Special amusement 411.7
 Stages 410.3.3, 410.5.3, 1015.6
 Stairways 403.5, 1009, 1022.1, 1026
 Temporary structures 3103.4
 Travel distance
 (see TRAVEL DISTANCE) 1014.3, 1016
 Turnstile 1008.3
 Underground buildings 405.5.1, 405.7
 Width 1005.1, Table 1005.1, 1009.1,
 1010.5.1, 1018.2, 1028.6, 1028.8

**MECHANICAL (see AIR CONDITIONING, HEATING,
 REFRIGERATION AND VENTILATION)** 101.4.2
 Access 1009.13, 1009.14, 1209.3
 Air transfer openings 705.10, 706.11,
 707.9, 708.2(7), 708.10, 709.9,
 710.8, 711.7, 712.7, 713.1.1, 713.4.1.3, 716
 Chimneys (see CHIMNEYS)
 Code Chapter 28
 Disconnected 3303.6
 Ducts 704.8, 705.10, 706.11,
 707.9, 708.2(4), 708.2(15),
 708.10, 709.9, 710.8, 711.7,
 712.7, 713.1.1, 713.4.1.3, 716
 Encroachment, public right-of-way 3202.3.2
 Equipment on roof 1509, 1510.2
 Equipment platforms 505.5
 Factory-built fireplace 2111.14.1
 Fireplaces 2111
 Motion picture projection room 409.3
 Permit required 105.1, 105.2
 Roof access 1009.13
 Room separation Table 508.2.5
 Seismic inspection and testing 1707.7,
 1707.8, 1708.4
 Smoke control systems 909
 Systems 1613.2, Chapter 28

MECHANICALLY LAMINATED DECKING 2304.8.3

MEMBRANE ROOF COVERINGS 1507.11,
 1507.12, 1507.13

MEMBRANE STRUCTURES 2702.2.9, 3102

MENTAL HOSPITALS 308.3

MERCANTILE OCCUPANCY (GROUP M)
 Accessory 508.2
 Aisles 1017.2, 1017.3
 Area 503, 505, 506, 507, 508
 Classification 309
 Fire alarm and detection 907.2.7
 Height 503, 504, 505, 506, 508, 509
 Interior finishes Table 803.9, 804
 Live load Table 1607.1
 Parking beneath or above 509.2, 509.7,
 509.8, 509.9
 Plumbing fixtures 2902

Special occupancy
 separation 309.1, Table 508.2.5
 Sprinkler system, automatic 903.2.7
 Travel distance 402.4, 1014.3, 1016.1, 1021.2
 Unlimited area 507.3, 507.4, 507.12

METAL
 Aluminum Chapter 20
 Roof coverings 1504.3.2, 1507.5
 Steel Chapter 22
 Veneer 1404.5

MEZZANINES 505
 Accessibility 1104.4, 1108.2.4, 1108.2.9
 Area limitations 505.2, 505.5.1
 Egress 505.3, 505.4, 1004.6, 1007.1
 Equipment platforms 505.5
 Guards 505.5.3, 1013.1
 Height 505.1, 1003.2
 Occupant load 1004.6
 Stairs 708.2(9), 1009.10, 1022.1

MIRRORS 1008.1, 2406.1, 2406.4.1(7)

**MIXED OCCUPANCY (see OCCUPANCY
 SEPARATION)**

MOISTURE PROTECTION 1210, 1403.2,
 1503, 2303.2.4, 2304.11

MONASTERIES 310.1

MORTAR 2102.1
 Ceramic tile 2103.5
 Dampproofing 1805.2.2
 Fire resistance 713.3.1, 713.4.1.1
 Glass unit masonry 2110.1.1
 Masonry 2103.8, 2103.9
 Rodentproofing Appendix F

MOTELS 310.1

MOTION PICTURE PROJECTION ROOMS 409
 Construction 409.2
 Exhaust air 409.3.2, 409.3.3
 Lighting control 409.4
 Projection room 409.3
 Supply air 409.3.1
 Ventilation 409.3

MOTOR FUEL-DISPENSING SYSTEM 406.5
 Accessibility 1109.13, 3411.8.13

MOTOR VEHICLE FACILITIES 304, 311, 406

MOVING, BUILDINGS 3410, D103.3

MOVING WALKS 3005.2
 Means of egress 1003.7

N

NAILING 2302.1, 2303.6, 2304.9

NONCOMBUSTIBLE BUILDING MATERIAL 703.4

NURSING HOMES

(see **INSTITUTIONAL, GROUP I-2**) 308.3, 407

O

OCCUPANCY

Accessory 508.2
 Atriums 404.2
 Certificates (see **CERTIFICATE OF OCCUPANCY**)
 Change (see **CHANGE OF OCCUPANCY**)
 Floor loads Table 1607.1
 Special Chapter 4

OCCUPANCY CATEGORY

(Seismic Design) 1602.1, 1604.5
 Multiple occupancies 1604.5.1

OCCUPANCY CLASSIFICATION 302

Covered mall and open mall buildings 402
 HPM 415.8
 Mixed 508.3
 Mixed occupancy values 508, 3412.6.16
 Special Chapter 4

OCCUPANCY SEPARATION

Accessory 508.2
 Aircraft-related 412.4.4, 412.5.1
 Covered mall and open mall building 402.7
 Incidental accessory occupancies 508.2.5, 707.3.6
 Mixed occupancy 508, 509, 707.3.8
 Parking garages 406.1.4, 406.2.7, Table 508.3.3(c)
 Repair garages 406.6.2
 Required fire resistance Table 508.4, 509
 Stages 410.5.1, 410.5.2

OCCUPANT EVACUATION ELEVATORS 403.5.2, 403.6.2, 3008

OCCUPANT LOAD

Actual 1004.1.1
 Certificate of occupancy 111
 Covered mall and open mall building 402.4.1
 Determination of 1004.1, 1004.1.1
 Increased 1004.2
 Outdoors 1004.8
 Seating, fixed 1004.7
 Signs 1004.3

OFFICE BUILDINGS

Classification 304
 Live loads Table 1607.1, 1607.5

OPEN MALL BUILDINGS (see COVERED MALL AND OPEN MALL BUILDINGS)

OPENING PROTECTION, EXTERIOR WALLS . . 705.8

OPENING PROTECTION, FLOORS (see VERTICAL OPENING PROTECTION)

OPENING PROTECTIVES 705.8, 706.8,

707.6, 708.7, 709.6, 710.5, 712.8, 715

Automatic closing devices 715.4.8, 909.5.2
 Fire door and shutter assemblies 705.8.2, 712.8, 715.4

Fire windows 715.5
 Glazing 715.5
 Glass unit masonry (see **GLASS UNIT MASONRY**) 2110.1.1
 Self-closing 715.4.7

ORGANIC COATINGS 418

ORGANIC PEROXIDES 307.4, 307.5

OXIDIZERS, LIQUID AND SOLID 307.2

P

PANIC HARDWARE 1008.1.10

PARAPET, EXTERIOR WALL . . . 705.11, 2109.3.4.1.4

Construction 705.11.1
 Fire wall 706.6
 Height 705.11.1

PARKING, ACCESSIBLE 1106, 1110.1, 3411.4, 3411.7

PARKING GARAGES 406.2

Accessibility 1105.1.1, 1106.1, 1110.1
 Barriers, vehicle 406.2.4, 1602.1, 1607.7.3
 Classification 311, 406.2.1
 Construction type 406.3.3, Table 503, Table 601
 Enclosed (see **PARKING GARAGE, ENCLOSED**) 406.4
 Gates 3110
 Guards 406.2.3, 2407.1.3
 Height, clear 406.2.2
 Live loads Table 1607.1, 1607.9.1.3
 Occupancy separation 406.2.7, 508, 509
 Open (see **PARKING GARAGE, OPEN**) 406.3
 Special provisions 509
 Sprinklers 903.2.10
 Underground 405

PARKING GARAGES, ENCLOSED 406.4

Area and height [see **STORAGE OCCUPANCY (GROUP S)**] 406.4.1
 Means of egress 1003.2, 1010.1, 1021.1.2
 Ventilation 406.4.2

PARKING GARAGES, OPEN 403.1, 406.3

Area and height [see **STORAGE OCCUPANCY (GROUP S)**] 406.3.5, 406.3.6
 Construction type 406.3.3
 Means of egress 406.3.8, 1003.2, 1007.3, 1007.4, 1010.1, 1016.1, 1018.1, 1021.1.2, 1022.1, 1024.1, 1027.1
 Occupancy separation 406.3.4
 Standpipes 406.3.9

Ventilation 406.3.12

PARTICLEBOARD 2302.1

 Draftstopping 717.3.1

 Moisture protection 1403.2, 1405.2

 Quality 2303.1.7

 Shear walls 2306.5

 Veneer 1405.5

 Wall bracing 2308.9.3

PARTITIONS

 Fire (see FIRE PARTITION)

 Live loads 1607.5, 1607.13

 Materials 602.4.6, 603.1(10), 603.1(25)

 Occupancy, specific 709.1

 Smoke (see SMOKE PARTITION)

 Toilets 2903

PARTY WALLS
(see FIRE WALLS) 706.1.1, Table 715.5

PASSAGEWAY, EXIT (see EXIT) 1023.1

PASSENGER STATIONS. 303

PATIO COVERS. 2606.10, Appendix I

PEDESTRIAN

 Protection at construction site 3303.2, 3306

 Walkways and tunnels 3104, 3202.3.4

PENALTIES. 114.4

PENETRATION-FIRESTOP SYSTEM

 Fire-rated walls 713.3.2

 Fire-rated horizontal assemblies 713.4.1.2

PENETRATIONS 713, 716

 Fire-resistant assemblies

 Exterior wall 705.10

 Fire barrier 707.7, 707.9

 Fire partition 709.7, 709.9

 Fire wall 706.9, 706.11

 Horizontal assemblies 712.5, 712.7, 713.4

 Shaft enclosures 708.1, 708.2, 708.8, 708.10

 Smoke barriers 710.6, 710.8, 713.5

 Smoke partitions 711.6, 711.7

 Walls 713.3

 Nonfire-resistant assemblies 713.4.2

PERLITE. Table 720.1(1), Table 2507.2

PERMITS 105

 Application for 104.2, 105.1, 105.3

 Drawings and specifications 107.2.1

 Expiration 105.5

 Fees 109

 Liability for issuing 104.8

 Placement of permit 105.7

 Plan review 104.2, 107.3

 Suspension or revocation 105.6

 Time limitations 105.3.2, 105.5

PIER FOUNDATIONS
(see FOUNDATION, SHALLOW)

PILE FOUNDATIONS (see FOUNDATION, DEEP)

PIPES

 Embedded in concrete 1906.3

 Embedded in fire protection 704.8

 Insulation covering 719.1, 719.7

 Penetration protection 713, 1022.4

 Under platform 410.4

PLAIN CONCRETE (see CONCRETE). 1909

PLAN REVIEW 107.3

PLASTER

 Fire-resistance requirements 718

 Gypsum 718.1, 718.2

 Inspection 110.3.5

 Portland cement 718.5,
 Table 2507.2, Table 2511.1.1

PLASTIC Chapter 26

 Approval for use 2606.2

 Core insulation, reflective plastic 2613

 Fiber reinforced polymer 2612

 Fiberglass-reinforced polymer 2612

 Finish and trim, interior 2604

 Light-transmitting panels 2401.1, 2607

 Roof panels 2609

 Signs 402.16, 2611,
 D102.2.10, H107.1.1

 Thermal barrier 2603.4

 Veneer 1404.8, 2605, D102.2.11

 Walls, exterior 2603.4.1.4, 2603.5

PLASTIC, FOAM

 Insulation (see FOAM PLASTICS) 2603

 Interior finish 803.4, 2603.9

 Malls 402.11, 402.12.1, 402.16.5

 Stages and platforms 410.3.6

PLASTIC, LIGHT-TRANSMITTING

 Awnings and patio covers 2606.10

 Bathroom accessories 2606.9

 Exterior wall panels 2607

 Fiber reinforced polymer 2612.5

 Fiberglass-reinforced polymer 2612.5

 Glazing 2608

 Greenhouses 2606.11

 Light-diffusing systems 2606.7

 Roof panels 2609

 Signs, interior 2611

 Skylight 2610

 Solar collectors 2606.12

 Structural requirements 2606.5

 Unprotected openings 2608.1, 2608.2

 Veneer, exterior 603.1(14), 603.1(16), 2605

 Wall panels 2607

PLATFORM (see STAGES AND PLATFORMS) . . . 410
 Construction 410.4
 Temporary 410.4.1

PLATFORM LIFTS, WHEELCHAIR
 Accessible means of egress 1007.2, 1007.5,
 1009.1, 2702.2.6
 Accessibility 1109.7, 3411.8.3

PLUMBING (see TOILET AND TOILET ROOMS) 101.4.3, 105.2, Chapter 29
 Aircraft hangars, residential 412.5.4
 Facilities, minimum 2902, 3305.1
 Fixtures Table 2902.1
 Room requirements 1210, 2406.2,
 2406.4, 2606.9, 2903

PLYWOOD (see WOOD STRUCTURAL PANELS) 2302.1
 Preservative-treated 2303.1.8.1

PRESCRIPTIVE FIRE RESISTANCE 720

PRESERVATIVE-TREATED WOOD 2302.1
 Fastenings 2304.9.5
 Quality 2303.1.8
 Required 1403.5, 2304.11
 Shakes, roof covering 1507.9.6, 1507.9.8

PROJECTION ROOMS
 Motion picture 409

PROJECTIONS, COMBUSTIBLE 705.2.3, 1406.3

PROPERTY LINE (see FIRE SEPARATION DISTANCE) 705.3

PROPERTY MAINTENANCE 101.4.4

PROSCENIUM
 Opening protection 410.3.5
 Wall 410.3.4

PUBLIC ADDRESS SYSTEM (see EMERGENCY COMMUNICATIONS)
 Covered mall and open mall building 402.15,
 907.2.20, 2702.2.14
 Special amusement buildings 411.6

PUBLIC PROPERTY Chapter 32, Chapter 33

PUBLIC RIGHT-OF-WAY
 Encroachments Chapter 32

PYROPHORIC MATERIALS Table 307.1(1), 307.4

R

RAILING (see GUARDS AND HANDRAILS)

RAMPS 1010
 Assembly occupancy 1028.11
 Construction 1010.2 through 1010.5.3,
 1010.7, 1010.9
 Existing buildings 3411.8.5
 Exterior 1026, 3201.4
 Guards 1010.10, 1013, 1607.7
 Handrails 1010.8, 1012, 1607.7

Landings 1010.6
 Parking garage 406.2.5
 Slope 1010.2, 3411.8.5

REFERENCED STANDARDS Chapter 35
 Applicability 102.3, 102.4
 Fire resistance 703.2
 List Chapter 35
 Organizations Chapter 35

REFORMATORIES 308.4

REFRIGERATION (see MECHANICAL) 101.4.2
 Machinery room 1015.4

REFUGE AREAS (see HORIZONTAL EXIT, SMOKE COMPARTMENTS, STORM SHELTERS) 407.4.1,
 408.4.1, 408.6,
 422.3, 423.1.1, 1025.4

REFUSE CHUTE 708.13

REINFORCED CONCRETE (see CONCRETE)
 General 1901.2
 Inspections 1704.4

REINFORCEMENT
 Concrete 1907, 1913.4, 1915.4
 Masonry 2103.13

RELIGIOUS WORSHIP, PLACES OF
 Balcony 1028.5, 1108.2.4
 Classification 303, 305.1
 Door operations 1008.1.9.3
 Egress 1028
 Fire alarm 907.2.1
 Interior finishes Table 803.9, 804
 Special occupancy separation 303.1, Table 508.2.5
 Unlimited area 507.6, 507.7

REPAIRS, BUILDING 3405
 Compliance alternatives 3412.1, 3412.2.4, 3412.3
 Flood 1612.1, 1612.2, 3405.5
 Minor 105.2.2
 Permit required 105.1
 Scope 101.2, 1613.3, 3401.1,
 3401.3, 3409.1, 3411.2

RESIDENTIAL CARE/ASSISTED LIVING FACILITIES 308.1
 Accessibility 1107.5.1, 1107.5.2,
 1107.6.4, 3411.8.7, 3411.8.9
 Fire alarms 907.2.6, 907.5.2.3.3
 Separations Table 508.2.5, Table 508.4
 Smoke alarms 907.2.11.2
 Sprinklers 903.2.6, 903.3.2

RESIDENTIAL OCCUPANCY (GROUP R) 310
 Accessibility 1106.2, 1107.6,
 3411.8.7, 3411.8.8,
 3411.8.9, E104.2, E104.3
 Accessory 508.2, G801.1

Area 503, 505, 506, 507, 508
 Corridors 1018.1, 1018.2
 Doors 1008.1.1
 Draftstopping 717.3.2, 717.4.2
 Emergency escape and rescue 1029.1
 Exit sign exemptions 1011.1
 Fire alarm and detection 907.2.8,
 907.2.9, 907.2.10
 Group R-1 310.1
 Group R-2 310.1
 Group R-3 310.1
 Group R-4 310.1, 1008.1.9.5.1
 Height 503, 504, 505, 506, 508, 509
 Interior finishes Table 803.9, 804
 Live load Table 1607.1
 Parking, private 406.1
 Parking beneath or above 509
 Partitions 420, 709.1
 Plumbing fixtures 2902
 Smoke alarms 907.2.11
 Special occupancy separation 419, 420, 508.2.4,
 Table 508.2.5, 508.3.3
 Special provisions 509.5, 509.6
 Sprinklers 903.2.8, 903.3.2
 Swimming pools 3109.4
 Travel distance 1014.3, 1016.1, 1021.2
 Visible alarms 907.5.2.3.3, 907.5.2.3.4
RETAINING WALLS 1807.2, 2304.11.7
 Flood provisions G801.4
 Seismic 1803.5.12
**REVIEWING STANDS (see BLEACHERS AND
 GRANDSTANDS)** 1028.1.1
 Live load Table 1607.1
RISERS, STAIR (see STAIRWAY CONSTRUCTION)
 Alternating tread device 1009.10.2
 Assembly 1028.5.1, 1028.6,
 1028.7, 1028.9, 1028.11
 Closed 1009.4.5
 General 1009.4
 Spiral 1009.9
 Uniformity 1009.4.4
RODENTPROOFING Appendix F
ROLL ROOFING 1507.6
ROOF ACCESS 1009.13, 1009.14
ROOF ASSEMBLIES AND ROOFTOP STRUCTURES
 Cooling towers 1509.4
 Drainage 1503.4, 3201.4
 Fire classification 1505
 Fire district D102.2.9
 Height modifications 504.3
 Impact resistance 1504.7
 Materials 1506

Parapet walls 1503.3, 1503.6
 Penthouses 1509.2
 Tanks 1509.3
 Towers, spires, domes and cupolas 1509.5
 Weather protection 1503
 Wind resistance 1504.1, 1609.5
ROOF CONSTRUCTION
 Construction walkways 3306.7
 Coverings (see ROOF COVERINGS) 1609.5.2
 Deck 1609.5.1
 Draftstopping 717.4
 Fire resistance Table 601
 Fireblocking 717.2
 Live loads Table 1607.1, 1607.11
 Materials Chapter 6
 Penetration of fire-resistant assemblies 713
 Protection from adjacent construction 3307.1
 Rain loads 1611
 Roof structures 504.3, 1509, D102.2.9
 Signs, roof-mounted H110
 Slope, minimum Chapter 15
 Snow load 1608
 Trusses 2210.3, 2303.4, 2308.10.10
 Wood (see ROOF CONSTRUCTION, WOOD)
ROOF CONSTRUCTION, WOOD 602.4.3, 602.4.5
 Anchorage to walls 1604.8.2
 Attic access 1209.2
 Ceiling joists 2308.10.2
 Diaphragms 2305.1, 2306.2
 Fastening schedule 2304.9
 Fire-retardant-treated Table 601, 603.1(25)
 Framing 2304.10.3, 2308.10
 Rafters 2306.1.1
 Sheathing 2304.7, 2308.10.8
 Trusses 2303.4, 2308.10.10
 Ventilation, attic 1203.2
 Wind uplift 2308.10.1
ROOF COVERINGS 1507
 Asphalt shingles 1507.2
 Built up 1507.10
 Clay tile 1507.3
 Concrete tile 1507.3
 Fire district D102.2.4
 Fire resistance 603.1(3), 1505
 Flashing 1503.2, 1503.6, 1507.2.9,
 1507.3.9, 1507.5.7, 1507.7.7,
 1507.8.8, 1507.9.9, 1510.6
 Impact resistance 1504.7
 Insulation 1508
 Liquid applied coating 1507.15
 Membrane 3102

Metal panels 1507.4
 Metal shingles 1507.5
 Modified bitumen 1507.11
 Plastics, light-transmitting panels 2609
 Replacement/recovering 1510.3
 Reroofing. 1510
 Roll 1507.6
 Single-ply 1507.12
 Slate shingles. 1507.7
 Sprayed polyurethane foam. 1507.14
 Thermoplastic single-ply 1507.13
 Wind loads 1504.1, 1609.5
 Wood shakes 1507.9
 Wood shingles 1507.8
ROOF DRAINAGE 1503.4
ROOF REPLACEMENT/RECOVERING. 1510.3
ROOF STRUCTURE (see ROOF ASSEMBLIES AND ROOFTOP STRUCTURES)
ROOM DIMENSIONS. 1208
ROOMING HOUSE 310

S

SAFEGUARDS DURING CONSTRUCTION Chapter 33
 Adjoining property protection 3307
 Construction 3302
 Demolition 3303
 Evacuations 1804.1
 Fire extinguishers 3309
 Means of egress 3310
 Protection of pedestrians 3306
 Sanitary facilities 3305
 Site work 3304
 Sprinkler system, automatic 3312
 Standpipes 3308.1.1, 3311
 Temporary use of streets, alleys and public property 3308
SAFETY GLAZING. 715.4.7.4, 2406
SCHOOLS (see EDUCATIONAL OCCUPANCY)
SEATING, FIXED 1028
 Accessibility 1108.2, 1109.10
 Aisles 1017.4, 1028.9
 Bleachers (see BLEACHERS)
 Grandstands (see GRANDSTANDS)
 Live load Table 1607.1
 Occupant load 1004.7
 Temporary 108
SECURITY GLAZING 408.7
SECURITY GRILLES 1008.1.4.5
SEISMIC. 1613

Construction documents 107, 1603.1.5, 1603.1.9, 1709
 Existing building 3403.4.1, 3404.4.1, 3404.5, 3405.2, 3408.4
 Fire-resistance 704.12
 Geotechnical investigation . . . 1803.5.11, 1803.5.12
 Glazing 2404
 Loads 1613
 Masonry 2106
 Membrane structure. 3102.7
 Seismic design category 1613.2, 1613.5.6
 Seismic detailing 1604.10
 Site class 1613.2, 1613.5.2, 1613.5.5
 Site classification for seismic design 1613.5.5
 Site coefficients 1613.2, 1613.5.3
 Statement of special inspections 1705.3
 Steel 2205
 Structural observations 1707, 1710
 Structural testing 1708
 Wood. 2305, 2308.11, 2308.12

SERVICE STATION

(see **MOTOR FUEL-DISPENSING FACILITIES**)

SHAFT (see SHAFT ENCLOSURE AND VERTICAL OPENING PROTECTION) 702

SHAFT ENCLOSURE (see VERTICAL OPENING PROTECTION) 708

Continuity 708.5, 708.11, 708.12
 Elevators 708.14
 Exceptions 708.2, 1016.1, 1022.1
 Exterior walls 708.6
 Fire-resistance rating 707.3.1, 708.4
 Group I-3 408.5
 High-rise buildings 403.2.1.2, 403.2.3, 403.3.1.1, 403.5.1
 Joints 708.9, 714
 Materials 708.3
 Opening protection . . . 708.8, 708.10, 713, 716.5.3
 Penetrations 708.8
 Refuse and laundry chutes 708.13
 Required. 708.2

SHEAR WALL

Gypsum board and plaster 2505
 Masonry 2102.1
 Wood 2302.1, 2305.1, 2306.3 through 2306.7

SHEATHING

Clearance from earth 2304.11.2.2
 Fastening 2304.9
 Fiberboard 2306.6
 Floor 2304.7, 2308.8.6
 Gypsum 2306.2.4
 Moisture protection 2304.11.2.2

Particleboard 2306.5
 Roof 2304.7
 Roof sheathing 2308.10.8
 Wall 2304.6.1, 2308.9.3
 Wood structural panels 2303.1.4, 2211.3

SHOPPING CENTERS 309

SHOTCRETE 1913

SHUTTERS, FIRE
 (see **OPENING PROTECTIVES**) 715.4

SIDEWALKS 105.2(6), G801.4
 Live loads Table 1607.1

SIGNS 3107, Appendix H
 Accessibility 1011.3, 1110,
 E106.4.9, E107, E109.2.2
 Accessible means of egress 1007.8.2,
 1007.9 through 1007.11
 Animated devices H108
 Construction H105, H107
 Covered mall and open mall building 402.16
 Doors 1008.1.4.4, 1008.1.9.3, 1008.1.9.7
 Electrical H106
 Elevators 1109.6, 1110.2, 3002.3, 3008.11.5
 Encroachment, public right-of-way 3202.3.1
 Exit 1011, 2702.2.3, 2702.2.9
 Floor loads 106.1
 Ground H109
 Height limitation H109.1, H112.4
 Illumination H106.1
 Luminous 403.5.5, 1011.4, 1024
 Marquee H113
 Obstruction 1003.3.2, 1003.3.3, H103
 Occupant load, assembly 1004.3
 Parking spaces 1110.1
 Plastic 2611, D102.2.10
 Portable H114
 Projecting H112
 Protruding objects 1003.3
 Roof H110
 Stair identification 1022.7, 1022.8, 1110.2, 1110.3
 Standpipe control valve 905.7.1
 Walls 703.6, H111

SITE DRAWINGS 107.2.5

SITE WORK 3304

SKYLIGHTS 2405, 3106.3
 Light, required 1205.2
 Loads 2404
 Plastic 2610
 Protection from adjacent construction 3307.1

SLAB, COMPOSITE
STEEL DECK/CONCRETE 2209.2.1

SLAB ON GROUND, CONCRETE 1910, 2304.11.2.3

SLATE SHINGLES 1507.7

SLEEPING UNITS 202
 Accessibility 1102, 1103.2.11,
 1105.1.6, 1106.2, 1106.7.2, 1107
 Accessibility, existing 3411.1, 3411.8.7,
 3411.8.8, 3411.8.9
 Group I 308
 Group R 310
 Scoping 101.2
 Separation 420.2, 420.3

SMOKE ALARMS
 Live/work unit 907.2.11.2
 Multiple-station 907.2.11
 Residential aircraft hangars 412.5.3,
 412.5.4, 907.2.21
 Residential occupancies 907.2.11.1, 907.2.11.2
 Single-station 907.2.11

SMOKE BARRIERS 710
 Ambulatory care facilities 422.2
 Construction 407.4.3, 710.4, 909.5
 Doors 710.5, 715.4.3, 909.5.2
 Fire-resistance rating 703, 710.3
 Glazing, rated 715.5
 Horizontal assemblies 712.9
 Inspection 110.3.6
 Joints 710.7, 714
 Marking 703.6
 Materials 710.2
 Opening protection 710.5, 713.3, 713.5,
 715, 716.5.5, 909.5.2
 Penetrations 710.6, 713
 Smoke control 909.5
 Special provisions
 Ambulatory care facilities 422
 Group I-2 407.4
 Group I-3 408.6, 408.7
 Underground 405.4.2, 405.4.3

SMOKE COMPARTMENT 407, 408, 422
 Refuge area (see **REFUGE AREA**)

SMOKE CONTROL 909
 Amusement buildings, special 411.1
 Atrium buildings 404.5
 Covered mall and open mall building 402.10
 Group I-3 408.9
 High-rise 403.4.6, 403.5.4, 1022.9
 Special inspections 1704.16
 Stages 410.3.7.2
 Standby power systems 909.20.6.2, 2702.2.2
 Systems 909
 Underground buildings 405.5
 Values 3412.6.10.1

SMOKE DAMPERS 716.2 through 716.5

SMOKE DETECTION SYSTEM (see FIRE ALARM AND SMOKE DETECTION SYSTEMS) 907

SMOKE DETECTORS

- Covered mall and open mall . . . 402.4.5.1, 907.2.20
- High-rise buildings 403.4.1, 907.2.13
- HPM 415.8.9.3
- Institutional I-2 407.7
- Smoke-activated doors 715.4.8.3
- Special amusement buildings 411.5
- Underground buildings 907.2.18, 907.2.19

SMOKE-DEVELOPEMENT 802, 803.1.1, Table 803.9

SMOKE EXHAUST SYSTEMS

- Underground buildings 405.5, 907.2.18, 909.2

SMOKE PARTITIONS 711

- Continuity 711.4
- Doors 711.5
- Ducts and air transfer openings 711.7
- Fire-resistance rating 711.3
- Inspection 110.3.6
- Joints 711.6
- Marking 703.6
- Materials 711.2
- Opening protection 711.5, 716.5.7
- Penetrations 711.6
- Special provisions
 - Atriums 404.6
 - Group I-2 407.3

SMOKE REMOVAL 403.4.6

SMOKE VENTS 410.3.7.1, 910

SMOKEPROOF ENCLOSURES 403.5.4, 1022.9

- Design 909.20

SNOW LOAD 1608

- Glazing 2404

SOILS AND FOUNDATIONS (see FOUNDATION) Chapter 18

- Depth of footings 1809.4
- Excavation,
 - grading and fill 1804, 3304, J106, J107
- Expansive 1803.5.3, 1808.6
- Flood hazard 1808.4
- Footings and foundations 1808
- Footings on or adjacent
 - to slopes 1808.7, 3304.1.3
- Foundation walls 1807.1.5, 3304.1.4
- Geotechnical investigation 1803
- Grading 1804.3, Appendix J
- Loadbearing values 1806
- Soil boring and sampling 1803.4
- Soil lateral load 1610
- Special inspection 1704.7

SORORITIES 310.1

SOUND-INSULATING MATERIALS (see INSULATION) 719

SOUND TRANSMISSION 1207

SPECIAL CONSTRUCTION Chapter 31

- Automatic vehicular gates 3110
- Awnings and canopies (see AWNINGS and CANOPIES) 3105
- Marquees (see MARQUEE) 3106
- Membrane structures (see MEMBRANE STRUCTURES) 3102
- Pedestrian walkways and tunnels (see WALKWAYS and TUNNELED WALKWAYS) 3104
- Signs (see SIGNS) 3107
- Swimming pools enclosures and safety devices (see SWIMMING POOL) 3109
- Telecommunication and broadcast towers (see TOWERS) 3108
- Temporary structures (see TEMPORARY STRUCTURES) 3103

SPECIAL INSPECTIONS (see INSPECTIONS and STRUCTURAL TESTS AND SPECIAL INSPECTIONS)

SPIRAL STAIRS 1009.9

- Construction 1009.1, 1009.2, 1009.9
- Exceptions . . 1009.4.2, 1009.4.3, 1009.4.5, 1009.12
- Group I-3 408.3.4
- Live/work 419.3.3
- Stages 410.5.3, 1015.6.1

SPRAY-APPLIED FIRE RESISTANT MATERIALS 1702.1

- Inspection 1704.12, 1704.13
- Steel column calculated fire resistance . . . 721.5.2.2

SPRINKLER SYSTEMS, AUTOMATIC 903, 3312

- Exempt locations 903.3.1.1.1
- Fire department location 912
- Seismic design 1613.6.3
- Signs 914.2
- Substitute for fire rating Table 601(4)
- Values 3412.6.17

SPRINKLERS, REQUIRED 903

- Aircraft related 412.4.6, 412.6.5
- Ambulatory health care facilities 422.5, 903.2.2
- Amusement buildings, special 411.4
- Area increase 506.3
- Assembly 903.2.1, 903.2.11.5, 1028.6.2.3
- Atrium building 404.3
- Basements 903.2.11.1
- Combustible storage 413
- Construction 903.2.12
- Covered mall and open mall building 402.9
- Drying rooms 417.4
- Education 903.2.3
- Exempt locations 903.3.1.1.1

Factory 903.2.4
 Fire areas 707.3.9
 Garages 406.3.10, 903.2.9.1, 903.2.10.1
 Hazardous materials Table 414.2.5(1),
 Table 414.2.5(2), 903.2.11.4
 Hazardous occupancies 415.5.2, 415.6.2.4,
 415.8.6.3, 415.8.11,
 705.8.1, 903.2.5
 Height increase 504.2
 High-rise buildings 403.2, 403.3, 903.2.11.3
 Incidental accessory occupancies Table 508.2.5
 Institutional 407.5, 903.2.6, 903.3.2
 Laundry chutes, refuse chutes,
 termination rooms and
 incinerator rooms 708.13, 903.2.11.2
 Live/work units 419.5, 903.2.8
 Mercantile 903.2.7
 Mezzanines 505.4, 505.5.2
 Multistory buildings 903.2.11.3
 Residential 903.2.8, 903.3.2
 Special amusement buildings 411.4
 Spray finishing booth 416.5
 Stages 410.6
 Storage 903.2.9, 903.2.10
 Supervision
 (see SPRINKLERS, SUPERVISION) 903.4
 Underground buildings 405.3, 903.2.11.1
 Unlimited area 507
SPRINKLERS, SUPERVISION 903.4
 Service 901.6
 Underground buildings 405.3
STAGES AND PLATFORMS 303, 410
 Dressing rooms 410.5
 Egress 410.5.3, 1015.6
 Fire barrier wall 410.5.1, 410.5.2
 Floor finish and floor covering 410.3, 410.4,
 804.4, 805.1
 Horizontal assembly 410.5.1, 410.5.2
 Platform, temporary 410.4.1
 Platform construction 410.4, 603.1(11)
 Proscenium curtain 410.3.5
 Proscenium wall 410.3.4
 Roof vents 410.3.7.1
 Scenery 410.3.6
 Smoke control 410.3.7.2
 Sprinkler system 410.6
 Stage construction 410.3, 603.1(11)
 Standpipes 410.7, 905.3.4
 Ventilation 410.3.7
**STAIRWAY (see ALTERNATING TREAD DEVICES,
 SPIRAL STAIRS, STAIRWAY CONSTRUCTION and
 STAIRWAY ENCLOSURE)**

STAIRWAY CONSTRUCTION

Aisle 1028.9
 Alterations 3404.1
 Alternating tread 1009.10
 Circular (see Curved)
 Construction 1009.6
 Curved 1009.3, 1009.8
 Discharge barrier 1022.7
 During construction 3310.1
 Elevators 1009.14, 1022.3, 3002.7
 Enclosure under 1009.6.3
 Existing 3404.1, 3408.3
 Exterior exitway 1026.1, 1027.1
 Fireblocking 717.2.4
 Guards 1013.1, 1013.2, 1607.7
 Handrails 1009.12, 1012, 1607.7
 Headroom 1009.2
 Illumination 1006.1, 1205.4, 1205.5
 Ladders 1009.11
 Landings 1009.5, 1009.7
 Live load Table 1607.1, 1607.7
 Luminous 403.5.5, 411.7.1, 1024
 Roof access 1009.13, 1009.14
 Seismic anchorage 2308.12.7
 Spiral (see SPIRAL STAIRS) 408.3.4,
 410.5.3, 419.3.3, 1009.9
 Treads and risers 1009.3, 1009.4
 Width 1009.1
 Winders 1009.3, 1009.4.2,
 1009.4.3, 1009.4.4, 1009.8

STAIRWAY ENCLOSURE

Access 1022.1.9.2
 Construction 1022.4
 Discharge 1027.1
 Doors 715.4.8, 1008.1.9.10
 Elevators within 1022.3, 3002.7
 Exterior walls 705.2, 707.4, 708.6,
 709.5, 1022, 1026.6
 Fire-resistant construction 1022.1
 Group I-3 408.3.8
 High-rise 403.5
 Penetrations 1022.4
 Pressurization 909.6, 909.20.5
 Space below, use 1009.6.3
 Ventilation 1022.5

STANDARDS (see REFERENCED STANDARDS)

STANDBY POWER

2702.1, 2702.3
 Aircraft traffic control towers 412.3.5, 2702.2.18
 Atriums 404.7, 2702.2.2
 Covered mall and open mall building 402.14,
 2702.2.14

Elevators 1007.4, 2702.2.5, 2702.2.19, 3003.1, 3007.7, 3008.15

Hazardous occupancy 414.5.4, 421.8, 2702.2.10, 2702.2.12

High-rise 403.4.7, 2702.2.15

Horizontal sliding doors 1008.1.4.3, 2702.2.7

Membrane structures 2702.2.9, 3102.8.2

Platform lifts 1007.5, 2702.2.6

Smoke control 909.11, 2702.2.2

Smokeproof enclosure 909.20.6.2, 2702.2.20

Underground buildings 405.8, 2702.2.16

STANDPIPE AND HOSE SYSTEMS
(see STANDPIPES, REQUIRED) 905, 3106.4, 3308.1.1, 3311

Cabinet locks 905.7.2

Dry 905.8

Hose connection location 905.1, 905.4 through 905.6, 912

STANDPIPES, REQUIRED

Assembly 905.3.2, 905.5.1

Covered mall and open mall buildings 402.9.1, 905.3.3

During construction 905.10

Elevators, fire service access 3007.5

Helistops 905.3.6

Marinas 905.3.7

Parking garages 406.3.6, 406.3.9

Stages 410.7, 905.3.4

Underground buildings 405.10, 905.3.5

STATE LAW 102.2

STEEL Chapter 22

Bolting 2204.2

Cable structures 2207

Calculated fire resistance 721.5

Cold-formed 2202.1, 2209, 2210

Conditions of restraint 703.2.3

Decks 2209.2

Identification and protection 2203

Joists 2202.1, 2206

Open web joist 2206

Parapet walls 1503.3, 1503.6

Reinforcement, concrete 1907

Seismic provisions 2205

Special inspections 1704.3

Storage racks 2208

Welding 2204.1

STONE VENEER 1405.7

Slab-type 1405.8

STOP WORK ORDERS 115

STORAGE OCCUPANCY (GROUP S) 311

Accessory 508.2

Area 406.3.5, 406.3.6, 406.4.1, 503, 505, 506, 507, 508

Automobile parking garage 406

Hazard storage, low, Group S-2 311.3

Hazard storage, moderate, Group S-1 311.2

Height 406.3.5, 406.4.1, 503, 504, 505, 506, 508, 509

High-piled combustible 413

Interior finishes Table 803.9, 804

Live loads Table 1607.1

Parking garages 406.1, 406.2, 406.3, 406.4

Plumbing fixtures 2902

Smoke and heat vents 910.2

Special occupancy separation 309.1, Table 508.2.5

Sprinkler system, automatic 903.2.10

Travel distance 1014.3, 1016.1, 1021.2

Unlimited area 507.2, 507.3, 507.4

STORM SHELTER 423

Refuge area (see REFUGE AREA)

STRENGTH

Design requirements 1604.2

Masonry 2102.1

Nominal 1602.1

Required 1602.1

STRENGTH DESIGN 1602.1, 1604.1

Masonry 2101.2.2, 2108

STRUCTURAL DESIGN Chapter 16

Aluminum Chapter 20

Concrete Chapter 19

Foundations Chapter 18

Masonry Chapter 21

Steel Chapter 22

Wood Chapter 23

STRUCTURAL TESTS AND SPECIAL INSPECTIONS
(see INSPECTIONS AND TESTING) 110.3.9, Chapter 17

Alternative test procedure 1712

Approvals 1703

Contractor responsibilities 1709

Design strengths of materials 1711

General 1701

In-situ load tests 1714

Material and test standards 1716

Preconstruction load tests 1715

Special inspections 1704, 1706, 1707

Statement of special inspections 1705

Structural observations 1710

Structural testing 1708

Test safe load 1713

STRUCTURAL OBSERVATION 1702.1, 1710
STUCCO 2512
SWIMMING POOL 3109
 Flood provisions G801.5
 Gates, access 3109.4.1.7
 Glass 2406.4
 Indoor 3109.4.2
 Public 3109.3
 Residential 3109.4

T

TELEPHONE EXCHANGES 304
TELESCOPIC SEATING (see FOLDING AND TELESCOPIC SEATING)
TEMPORARY STRUCTURES 3103
 Certificate of occupancy 108.3
 Conformance 108.2
 Construction documents 3103.2
 Encroachment, public right-of-ways 3202.3
 Flood provisions G901
 Means of egress 3103.4
 Permit 108.1, 3103.1.1
 Power, temporary 108.3
 Termination of approval 108.4
TENANT SEPARATION
 Covered mall buildings 402.7, 709.1
TENTS
 Standby and emergency power 2702.2.9
TERMITES, PROTECTION FROM 2304.11
TERRA COTTA 1405.9
TESTING
 Building official required 104.11.1
 Concrete 1905.6
 Fire-resistant materials 703.2
 Glazing 2406, 2408.2.1
 Roof tile 1716.2
 Seismic 1708
 Smoke control 909.3
 Soils 1803
 Sprinklers 904.4
 Structural (see STRUCTURAL TESTS AND SPECIAL INSPECTIONS)
THEATERS [see ASSEMBLY OCCUPANCY (GROUP A, PROJECTION ROOMS and STAGES AND PLATFORMS)] 303
THERMAL BARRIER, FOAM PLASTIC INSULATION 2603.4, 2603.5.2
THERMAL-INSULATING MATERIALS (see INSULATION) 719
TILE 2102.1
 Ceramic (see CERAMIC TILE)
 Fire resistance, clay or shale 720.1

TOILETS and TOILET ROOMS Chapter 29, 3305
 Accessible 1109.2, 1607.7.2
 Construction/materials 1210, 2903
 Family- or assisted-use 1109.2.1, 2902.1.2, 2902.2
 Fixture count Table 2902.1
 Grab bar live loads 1607.7.2
 Location 2902.3.2, 2902.3.3, 2902.3.4
 Partitions 2903
 Public facilities 2902.3
 Rooms openings 1210.5
 Signs 1110.1, 1110.2
 Ventilation 1203.4.3
TORNADO SHELTER (see STORM SHELTER)
TOWERS
 Airport traffic control 412.3
 Cooling 1509.4
 Location and access 3108.2
 Radio 3108
 Television 3108
TOXIC MATERIALS [see HIGH-HAZARD OCCUPANCY (GROUP H)]
 Classification 307.6, 414, 415
 Gas detection system 415.8.7, 421.6, 908.3
TRAVEL DISTANCE
 Area of refuge 1007.6
 Assembly seating 1028.7
 Atrium 404.9
 Balcony, exterior 1016.2
 Common path of travel 1014.3
 Mall 402.4.2, 402.4.4
 Measurement 1016.1
 Refrigeration machinery/ refrigerated rooms 1015.4, 1015.5
 Smoke compartments (Group I-2 and I-3) 407.4, 408.6.1, 408.81
 Special amusement building 411.4
 Stories with one exit 1021.2
 Suites (Group I-2) 1014.2.3.3, 1014.2.4.3, 1014.2.4.4, 1014.2.6
TREADS, STAIR (see STAIRWAY CONSTRUCTION)
 Concentrated live load Table 1607.1
TREATED WOOD 2302.1
 Fire-retardant-treated wood 2303.2
 Pressure-treated wood 2303.1.8
 Stress adjustments 2306.1.3
TRUSSES 2303.4
 Cold-formed steel 2210.3
 Fire resistance 704.5
 Materials Chapter 6
 Metal-plate-connected wood 2303.4.6
 Wood 2303.4

TUNNELED WALKWAY 3104, 3202.1
TURNSTILES 1008.3

U

UNDERGROUND BUILDINGS 405
 Compartmentation 405.4
 Construction type 405.2
 Elevators 405.4.3
 Emergency power loads 405.10, 2702.2.16
 Exits 405.8
 Fire alarm systems 405.6
 Smoke barrier 405.4.2, 405.4.3
 Smoke exhaust/control 405.5
 Smokeproof enclosure 405.7.2, 1022.9
 Sprinkler system 405.3
 Standby power 405.8, 2702.2.16
 Standpipe system 405.11, 905.3.5
UNLIMITED AREA BUILDINGS 507
UNSAFE STRUCTURES AND EQUIPMENT
 (see **STRUCTURES, UNSAFE**) 115
 Appeals 113, Appendix B
 Restoration 115.5
 Revocation of permit 105.6
 Stop work orders 115
 Utilities disconnection 112.3
UNSTABLE MATERIALS 307.3, Table 414.2.5(1)
 Table 414.5.1, Table 415.3.2
 415.5.1, 415.8
UNUSABLE SPACE 712.3.3
USE AND OCCUPANCY Chapter 3
 Accessory 508.2
 Incidental accessory occupancy 508.2.5,
 Table 508.2.5
 Mixed 508.3, 508.4
UTILITIES 112
 Service connection 112.1
 Service disconnection 112.3
 Temporary connection 112.2
UTILITY AND MISCELLANEOUS OCCUPANCY
(GROUP U) 312
 Accessibility 1103.2.5, 1104.3.1
 Accessory 508.2, G801.1
 Agricultural buildings Appendix C
 Area 503, 505, 506, 507, 508
 Egress illumination 1006.1
 Flood provisions G1001
 Height 503, 504, 505, 506, 508, 509
 Live loads Table 1607.1
 Special occupancy separation Table 508.2.5
 Sprinkler system, automatic 903.2.11
 Travel distance 1014.3, 1016.1, 1021.2

V

VALUATION OR VALUE (see FEES, PERMIT) . . . 109.3
VEHICLE BARRIER SYSTEMS 406.2.4,
 1602.1, 1607.7.3
VEHICLE SHOW ROOMS 304
VEHICULAR FUELING 406.5.2
VEHICULAR GATES 3110
VENEER
 Cement plaster 1405.15
 Fastening 1405.17
 Fiber cement siding 1405.16
 Glazing 1405.12
 Masonry, adhered 1405.10
 Masonry, anchored 1405.6
 Metal 1405.11
 Plastic 2605
 Slab-type 1405.8
 Stone 1405.7
 Terra cotta 1405.9
 Vinyl 1405.14
 Wood 1405.5
VENTILATION (see MECHANICAL) 101.4.2
 Attic 1203.2
 Aircraft hangars, residential 412.5.4
 Aircraft paint hangars 412.6.6
 Bathrooms 1203.4.2.1
 Crawl space 1203.3
 Elevator hoistways 3004
 Exhaust, hazardous 1203.5
 Exhaust, HPM 415.8.10
 Exit enclosure 1022.5
 Fabrication areas, HPM 415.8.2.6
 Hazardous 414.3, 414.5.4, 415.6.1.4,
 415.6.2.8, 415.8.2.8.2, 415.8.5.7,
 415.8.6.3, 415.8.7, 415.8.9.3
 High-rise 1022.9
 HPM service corridors 415.8.4.3
 Live/work unit 419.8
 Mechanical 1203.1
 Natural 1203.4
 Parking 406.3.12, 406.4.2
 Projection rooms 409.3
 Repair garages 406.6.3
 Roof 1203.2, 1503.5
 Smokeproof enclosures 909.20.3,
 909.20.4, 909.20.6
 Spray rooms and spaces 416.2.1, 416.3
 Stages 410.3.7
 Under-floor ventilation 1203.3
VENTS, PENETRATION PROTECTION 713
VERMICULITE, FIRE-RESISTANT 720

VERTICAL OPENING PROTECTION

- Atriums 404.6
- Duct penetrations 716.1
- Elevators 708.14
- Exceptions 708.2, 1022.1
- Group I-3 408.5
- High-rise 403.2.1.2, 403.2.3, 403.3.1.1, 403.5.1
- Shaft enclosure 708, 1016.1, 1022.1
- Value 3412.6.6.1

VESTIBULES, EXIT DISCHARGE 1027.1

VINYL

- Expanded 802, 803.7, 803.8
- Rigid 1405.14

VIOLATIONS 114

VOICE ALARM (see ALARMS, VOICE)

W

WALKWAY 3104

- During construction 3306
- Encroachment, public right-of-way 3202.3.4
- Fire resistance Table 601
- Live load Table 1607.1
- Materials per construction type Chapter 6
- Opening protection 715, 716

WALL, EXTERIOR 705

- Bearing Chapter 6
- Coverings 1405
- Exterior Insulation and Finish Systems (EIFS) 1408
- Exterior structural members 704.10
- Fire district D102.1, D102.2.6
- Fire-resistance ratings Table 602, 703, 705.5, 706.5.1, 707.4, 1403.4
- Flashing, veneered walls 1405.4
- Foam plastic insulation 2603.4.1.4, 2603.5
- Glazing, rated 715.5
- Joints 705.9, 714
- Light-transmitting plastic panels 2607
- Materials 705.4, 1406
- Metal Composite Materials (MCM) 1407
- Nonbearing Chapter 6
- Opening protection 705.8, 705.10, 716.5.6
- Parapets 705.11
- Projections 705.2
- Structural stability 705.6
- Veneer (see VENEER)
- Weather resistance 1403.2, 1405.2, 1407.6, 1408.4
- Weather-resistant barriers 1405.2

WALL, FIRE (see FIRE WALLS)

WALL, FOUNDATION (see FOUNDATION)

WALL, INTERIOR

- Finishes 803, 1210.2, 1210.3
- Opening protection 715, 716

WALL, INTERIOR NONBEARING (see PARTITIONS)

WALL, MASONRY 2102.1

- Wood contact 2304.11.2.3, 2304.11.2.5

WALL, PARAPET 705.11, 1503.3, 1503.6, 2109.3.4.1.4

WALL, PARTY (see FIRE WALLS)

WALL, PENETRATIONS 713.3

WALL, RETAINING (see RETAINING WALL)

WALL, VENEERED (see VENEER) Chapter 14

WALL, WOOD CONSTRUCTION

- Bracing 2308.9.3
- Cutting, notching, boring 2308.9.10
- Exterior framing 2308.9
- Fastening schedule 2304.9
- Framing 2304.3, 2308.9
- Interior bearing partition 2308.9.1
- Interior nonbearing partition 2308.9.2.3
- Openings 2308.9.5, 2308.9.6, 2308.9.7
- Shear walls 2305.1, 2306.3 through 2306.7
- Sheathing (see SHEATHING)
- Studs 2308.9.1
- Top plates 2308.9.2.1

WATER-REACTIVE MATERIALS Table 307.1(1)

WEATHER, COLD

- Concrete construction 1905.12
- Masonry construction 2104.3

WEATHER, HOT

- Concrete construction 1905.13
- Masonry construction 2104.4

WEATHER PROTECTION

- Exterior walls 1405.2
- Roofs 1503

WELDING 2204.1

- Materials, verification of steel reinforcement 1704.4.1
- Special inspections 1704.3.1, 1707.2, 1707.4
- Splices of reinforcement in masonry 2107.4
- Structural testing 1708.2, 1708.3

WIND LOAD 1609

- Alternate all-heights method 1609.6
- Basic wind speed 1609.3
- Construction documents 107, 1603.1.4, 1709
- Exposure category 1609.4
- Glass block 2110
- Glazing 1609.1.2, 2404
- Hurricane-prone regions 1609.2
- Provisions for walls 2306.2
- Roofs 1504.1, 1609.5, 2308.10.1

Seismic detailing required 1604.10
 Special inspection 1706
 Statement of special inspections 1705.4
 Wind-borne debris region 1609.2
 Wind tunnel testing 1609.1.1.2, 1716.2.2

WINDERS, STAIR (see STAIRWAY CONSTRUCTION)

WINDOW

Accessibility 1109.12.1
 Emergency egress 1029
 Exterior, structural testing 1715.5
 Fire (see OPENING PROTECTIVES) 715.4.9,
 715.4.10
 Glass (see GLAZING) 1405.13
 Required light 1205.2
 Wells 1029.5

WIRES, PENETRATION PROTECTION 713

WOOD Chapter 23

Allowable stress design 2306
 Bracing, walls 2308.9.3
 Calculated fire resistance 721.6
 Ceiling framing 2308.10
 Connections and fasteners 2304.9
 Contacting concrete, masonry or earth . . 2304.11.4
 Decay, protection against 2304.11
 Diaphragms 2305.1, 2305.2, 2306.2
 Draftstopping 717.3, 717.4
 End-jointed lumber 2303.1.1
 Fiberboard 2303.1.5, 2306.6
 Fire-retardant-treated 2303.2
 Fireblocking 717.2
 Floor and roof framing (see FLOOR
 CONSTRUCTION, WOOD) 2304.4
 Floor sheathing 2304.7
 Foundation 1807.1.4, 2308.3.3.1
 Grade, lumber 2303.1.1
 Hardboard 2303.1.6
 Heavy timber construction 2304.10
 Hurricane shutters 1609.1.2
 I-joist 2303.1.2
 Inspection, special 1704.6, 1706.2, 1707.3
 Lateral-force-resisting systems 2305
 Light-frame construction, conventional 2308
 Load and resistance factor design 2307
 Moisture content 2303.1.8.2, 2303.2.6
 Nails and staples 2303.6
 Particleboard shear walls 2306.5
 Plywood, hardwood 2303.3
 Preservative-treated 1403.5, 1403.6, 2303.1.8
 Roof framing
 (see ROOF CONSTRUCTION, WOOD) . . 2304.4
 Roof sheathing 2304.7
 Seismic provisions . . 2305, 2306, 2308.11, 2308.12

Shear walls 2305, 2306.3 through 2306.7
 Standards and quality, minimum 2303
 Structural panels 2302.1, 2303.1.4
 Supporting concrete or masonry 2304.12
 Termite, protection against 2304.11
 Trusses 2303.4
 Veneer Chapter 14

Wall framing
 (see WALL, WOOD CONSTRUCTION) . . . 2304.3

Wall sheathing 2304.6

WOOD SHINGLES AND SHAKES 1507.8, 1507.9

WOOD STRUCTURAL PANELS

(see WOOD) 2302.1, 2303.1.4
 Bracing 2308.9.3
 Decorative 2303.3
 Design requirements 2301
 Diaphragms 2305.1, 2306.2
 Fastening 2304.9
 Fire-retardant-treated 2303.2
 Quality 2303.1.4
 Roof sheathing 2304.7, 2308.10.8
 Seismic shear panels 2305.1, 2308.12.4
 Shear walls 2306.3
 Sheathing 2304.6.1
 Standards 2306.1
 Subfloors 804.4
 Veneer 1405.5

Y

YARDS OR COURTS 1206
 Group I-2 407.8
 Group I-3 408.3.6, 408.6
 Light, natural 1205
 Motor fuel-dispensing facilities 406.5.3
 Occupant load 1004.8
 Parking garage, open 406.3.6