INDEX

By section number

Α

A, use groups, assembly, 302, Table 108 Access to roofs, 817.0 Accessory buildings Definition, 201.0 Use Group U, utility and miscellaneous, 311.0 Adjoining property Existing buildings, 3005.0 Fences, 3009.0 Grade control, 3008.1 Notice to owners, 3007.1 Protection of, 3012.0 Support during excavations, permanent, 3007.2 Administrative Administration, Article 1 Alteration and repairs, 106.1 Alternate materials and methods, 110.0 Application for permits, 113.0 Board of appeals, 126.0 Board of survey, 124.1 Building classified by building official, 312.0 Building official approves plans, 110.0 Building official, definition, 201.0, 107.0, Duties and Powers, 108.0 Change in existing use, 105.2 Certificate of occupancy, 119.0 Conditions of permit, 115.0 Construction control, 127.0 Construction materials and safety board, 128.0 Demolition of structures, 116.0 Drawings and specifications required, 113.5, 111.6, 111.7 Emergency measures, 124.0 Existing structures, 105.0, 106.0, 119.3, 119.3, 505.0, 3200.0 Fire-prevention fire protection board, 130.0 Foundation permits, 114.8

Inspections required, 108.5, Table 108, 111.0 Inspectors appointed, 107.1 Liability, 107.6 Licensing, 109.0,129.0 Maintenance of buildings, 104.0 Manufactured buildings, 111.4 Moved structures, 117.0 Ordinary repairs, 102.0 Organization of building department, 107.0 Permit fees, 118.0 Permits required, 113.1,114.0 Posting of structures, 114.9,120.0 Powers and duties of building official, 108.0 Qualifications of personnel, 107.3,107.4 Records of department, 108.7 Requirements not in code, 101.3 Restrictions on employees, 107.5 Revocation of permits, 114.7 Right of entry, 112.0 Rules and regulations, 109.0 Scope of code, 100.2 Service equipment, installation and maintenance, 103.0 Specialized codes, 100.5, Appendix G Stop work orders, 122.0 Temporary occupancy, 119.4 Tests and test reports, 110.5,1303.0 Unsafe structures, 123.0 Validity of code, 140.0 Violations and penalties, 121.0 Aged, homes for Use Group 1-2, institutional, 307.0 Aggregates Concrete, 1502.0 Masonry, mortar and grout, 1409 Special, 1502.3.1 Aircraft hangars Roof storage, 609.2.3 Use Group S-1, moderate hazard, 310.2 Air ducts (see Ducts) Air intakes Projection booths, 613.3 To court, 710.0 Air leakage, 3107.0 Air space Around timber in masonry, 1702.5.1 Air-supported structures General, 604.0 Temporary, 626.0 Aisles Assembly use group, 826.0, 810.3

General, 810.0 Illumination, 824.0 Number of seats between, 826.0 Other use groups, 810.3 Alarm systems (see Fire protection systems) Alcoves, for light and ventilation, 706.2.1,709.4 Alley Definition, 201.0 Projection into, 509.1 Allowable areas and heights of buildings Area, allowable for buildings (also see Areas, allowable), Table 501 General, 501.0 Alloys and special steels, 1807.0, 1901.0 Alterations Appeal to board of appeals, 126.0 Area and height limitations, 505.2 Certificate of occupancy, 119.2 Definition, 201.0 Existing buildings, 105.0, 106.0, 505.0, Art. 32 Inspections, 108.5, 111.0 Nonstructural alterations and repairs, 102.0, 106.1, 113.1 Permit fees, 118.0 Signs, 2901.4 Structural alterations and repairs 106.1, 113.1, Art. 32 To existing projections, 505.1.2 To light and ventilation in existing buildings, 702.2 Alternate materials and construction Approved by the BBRS, 110.3 Board of appeals, 126.0 Suitability of, 1301.1 Aluminum alloys, 1901.0 Amusement parks, 630.0 Amendments to plans, 113.8 Anchorage, anchors Adhesive materials, 1409.6, 1409.7 Framing anchors, wood, 1701.3.1, 1701.5 Intersecting masonry walls, 1411.4 Masonry, general, 1400.1, 1411.1, 1411.4 Masonry, veneer, 2107.1 Panel wall, 2105.1.3 Projecting stone, 1415.0 Wood headers, 1701.4 Wood, sill, 1704.8 Antennae, radio and television, 624.0 Apartment house Definition (see Dwelling), 201.0 Use Group R-2, residential, 309.0 Appeals, board of, 126.0 Application for permit

Action by building official on application, 113.9 Application form, 113.2 Conditions of permit, 115.0 Drawings required, 111.6, 113.5, 113.6, 113.7, 3101.0 For demolition of buildings, 100.2, 116.0 Foundation permits, 114.8 Moving buildings, 117.0 Permit fees, 118.0 Plot diagram required 113.6 Records to be kept, 108.7 Registered architect or engineer, 127.0, 127.2 Signs, 2901.0, 2902.0 What required, 113.0 When required, 113.1 Appointment of building official, 107.1 Approval Alternate materials and methods of construction, 110.0, 1306.0 Certificate of occupancy, 119.0 For use of plastic material, 2000.3 General, 110.0 Inspections, 111.0 Modifications, 110.6 Moving buildings, 117.0 Of plans for permit, 113.9 Used materials, 110.4 Approved, definition, 201.0 Approved agency Definition, 201.0 Architect Affidavit, permits issued, 127.0 Drawings and specifications, by 127.2 Special services, 127.4 Area Court, 710.3 Method of figuring for exits, 808.0 Areas, building Allowable areas for buildings (also see Allowable areas and heights of buildings), 501.0, Table 501 Definition, 201.0 Exception, 502.0 Existing buildings, Table 501, 505.2 Floor definition, 201.0 For plastics, 2105.2, 2205.0 General area and height limitations, 501.1 Increase for street frontage, 502.2 Increase for suppression, 502.3 School area increase, 502.4 Separate building within fire walls, 501.1 Unlimited areas, 504.0

Asphalt in roof coverings, 2302.2 Assembly buildings Aisles with fixed seats, 826.0 Aisles without fixed seats, 826.0 Area allowed, 302.7, 501.0 Classification of, 302.0 Determining capacity of exits, 808.0 Fire suppression requirements, 302.7 1002.0, 1012.0 Means of egress, 807.2.2 Occupancy load requirements, 806.0 Stages and platforms, 615.0 Use Group A, 302.0 Atriums (see Open wells) Classification, 606.1 Construction, 606.2 Attic Definition, 201.0 Firestopping, 921.7.2 Habitable, definition, 201.0 Ventilation of, 709.1 Auditoriums Use Group A-3, assembly, 302.4 Automatic fire alarm systems Definition, 201.0 General, 1018.0 Automatic sprinklers (see Fire protection systems) Automobile parking, open parking structures, 607.0 Awnings

⁵⁵ Clearance, 510.0 Fixed, regulations, 510.3 Movable, regulations, 510.2 Permit for, 510.1

B

B, use group, business, 303.0 Balcony Exterior balconies, 507.7 Exterior construction of, 926.4 Live loads, 1103.0, 1106.0 Over public property, 507.7 Railings, 826.7, 827.4, 1109.7 Steps, 826.0 Banner and cloth signs, 2913.1 Barricades Construction, where required, maintenance, 3006.2, 3007.1 Bars, reinforcing Clear cover in concrete footings, 1209.3.2 Reinforcing steel, 1804.0 **Basement** Definition, 201.0

Enclosure of stairways, 816.9.2 Fire suppression system required, 1002.15 Floors above, protection of, 807.3.1 Garages in basements, 609.2.2 Ratproofing, 2103.0 Required exits, 809.2 Stairway construction, 816.9 Waterproofing, 1224.0 Bathrooms Light and ventilation, 703.0 Mechanical ventilation allowed, 703.2 Window area required for, 706.2 Bay window Construction of, 926.5 Definition, 201.0 Over public property, projection, 507.6 Beams Fireproofing of, 914.0 Fireresistance, protected steel, Table 401 Fireresistance, reinforced concrete, Table 401 Reinforced concrete, 1500.1, 1506.0 Steel, formed, 1802.0 Steel, structural, 1801.0 Structural, glued-laminated, 1708.0 Wood, 1707.0 Wood in heavy timber construction, 1702.5.1 Bearing On hollow masonry units, 1222.2.3, 1416.0 For wood beams and girders, 1701.5, 1702.5.1 Bearing partitions (see Walls) Bearing, soil capacity, 1201.0 Bearing walls (see Walls) Bleachers, 612.0 Blocks, concrete masonry units (also see Masonry) Fireresistance ratings, equilications, 1405.6.1 Tests, 1303.0 Board of appeals, 126.0 Board of survey, 124.1 Bond, masonry Foundation walls, 1222.2.5 General, 1411.0 Masonry walls, 1411.0 Veneered walls, 2106.0, 2107.0, 2108.0 Borings and tests of soils, 1201.0, 1202.0, 1203.0 Bracing Adjoining existing buildings, 3005.3 During erection, 3007.0 Exterior stud walls, 1704.3 For stud walls and partitions, bearing Masonry walls, lateral, 1412.0 Brick (see Masonry)

Bridges Over sidewalks (wrecking), 3006.3 Bridging 1705.3 Building Allowable areas and heights, 501.0, Table 501 Alterations of existing buildings, 106.0, 505.0, Art. 32 Certificate of use and occupancy, 119.0 Change in use, 105.2, 119.4 Classified by type of construction, 401.1 Classified by use or occupancy, 301.1 Condemnation of, 124.0 Definition, 201.0 Height, definition, 201.0 Height, exceptions, 503.0 Heights, allowable, 501.0, Table 501 504.1, 504.1.1 High-rise, 602.0 Historic, 513.0, 639.0 Maintenance, 104.0 Moving, 117.0 Over Public way, 506.0, 507.0 508.0, 509.0 Temporary, 511.0 Unlimited area, 504.0 Unsafe, 123.0, 124.0 Building department **Reports**, 108.8 General, 107.0 Records, 108.7 **Building official** Charge of building department, 107.2 Classifies building, 312.0 Definition, 201.0 Deputies, 107.2 Duties and powers of, 108.0 Inspections by, 111.0 Issues permits, 114.1 Liability, 107.6 May order occupancy of building discontinued, 124.2 May require plans sealed by licensed engineer or architect, 113.5, 113.7 Qualifications, 107.3, 107.6 Records, official, 108.7 Record of permits required, 108.7 Reports, 108.8 Retention of plans 108.7 Rule making authority, 108.6 Shall issue certificate of occupancy, 119.0 Stop work orders, 122.0 Tests required, 1303.0 Building official's authorization required Before changing plans, 111.8

For changes of use or occupancy, 105.2 For structural alterations, 106.1 Building paper, 2104.3 Building permits (see Permits) Business buildings, 303.0

С

Caissons, special 1221.0 Calculations required, 113.7 Camps, summer for children, 634 Canopies Construction, 510.4, 510.6 On exterior walls, 510.4 Over public property, 510.1 Cast iron, 1806.0 Cast stone Bonding, 1411.0 General requirements, 1408.0 Cavity walls Definition, 201.0 Ceilings Definition (see Story), 201.0 Fireresistance rated assemblies, 913.0 Panels, 913.2 Cement Concrete, materials, mixes, 1502.0 Mortar types and materials, 1409.0 Plastering, 1602.0 Central station system Definition, 201.0 Ceramic tile Mortar, types and mix, 1409.5, 1409.7 Certificate of occupancy Definition, 201.0 Existing buildings, 119.2, 119.3 General, 119.0 Posting of, 14.9, 120.0 Temporary occupancy, 119.4 Change of occupancy, 105.2, Art. 32 Change of use, 105.2, Art. 32 Changes to buildings Alterations, 106.1, Art. 32 Existing, 105.2, Art. 32 Charitable homes for the aged Requirements for, 632 Chases (see Masonry and Walls), 1413.0 Chemicals Hazardous use groups, 306.2 Child day care center Definition, 201.0 Use Group E, 304.1.1 Use group I-2, 307.3.1

Requirements for, 633 Churches Use Group A-4, assembly, 302.0 Chutes Linen and refuse, 2506.0 Classification Of buildings, by building official, 312.0 of buildings, by occupancy, 301.0 of buildings, by types of construction, 401.0 of types of construction, 402.0, 403.0, 404.0, 405.0, 406.0 Clay tile Allowable stresses, 1403.0, 1410.0 Bonding, 1411.0 Fireresistance ratings, 1403.2, Table 401 In foundation walls, 1222.2.2 Mortar, types and mix, 1409.0 Veneer, 2104.0 Clearances Around fireplaces, 2402.4 Around reinforcing in concrete, 1209.3.2 Around timber in masonry, 1702.5.1 Awnings, movable, 507.8, 507.0, 510.2 Marquee awnings, 507.10 Of balconies above grade, 507.7 Of wood above grade, 1704.9 Projection over sidewalks, 507.0 Under first floor joists, 709.2 Coal pockets, 617.5 Code, scope 100.0 Columns Cast iron construction, 1806.4.1 Concrete-filled pipe, 1507.0 Fireresistance and protection 0,f 912.0 Fireresistance tests, 903.0 Heavy timber construction, 1707.3 Live load reduction, 1115.0 Working stresses, cast iron and steel, 1806.0 Combustible Dusts, grain processing and storage, 617.0 Liquids, 619.0 Combustible tests, 903.4 Combustible materials Decorative material restrictions, 925.4, 527CMR 21.00(FPR-20) Definition, 210.0 Flameresistance tests, 904.0 Insulation, 908.4, 928.0 Interior trim, 922.0 Permitted in noncombustible construction, 401.4 Compliance with permit, 115.2

Computations, may be required, 113.7 Concentrated loads, 1107.0 Concrete Aggregates, 1502.3 Caissons, 1221.0 Columns, concrete-filled pipe, 1507.0 Definition, 201.0 Footings, 1209.0 Minimum dimensions, 1509.0 Piles, 1213.0, 1214.0, 1216,0 Pipes in, 1505.3 Plain concrete, Article 15, 1500.2 Reinforced (also see Reinforced concrete), 1500.1, 1506.0 Shotcrete, 1508.0 Units (also see Masonry), 1405.0 Concrete, masonry blocks (see Blocks, concrete masonry units) Condensation and weather resistance, 2104.7 Condition of permits, 115.0 Connections in wood framing, 1701.3.1 Construction Approval of materials, etc., 110.0, 1305.0 Classification of construction materials, 1301.0 Controls, 127.0 Covered by code, 101.0 Fences, 3006.2 General requirements, 401.0, 1300.0 Masonry, 1410.0 Projection during, 3006.0 Safeguard, 3006.0 Safeguards, 3000.0 Stage, 615.2 Steel, 1801.0, 1802.0, 1803.0, 1805.0 Types of construction, 402.0, 403.0, 404.0, 405.0, 406.0 Convalescent homes Requirements for, 632 Conveyor systems For dust, stock and refuse, 2508.0, 2616.0 Cooling towers, 927.8 Coordination of inspections of structures involving hazardous materials, 600.8.1 Coping On retaining walls, 1223.4 Corbelling Foundation walls, 1222.4 Masonry, 1415.0 Cornices Projection over public property, 507.0 Type of construction, 926.2 Corridors Arrangements, 807.1, 810.1

Capacity of egress width, 808.0 Definition, 201.0 Fireresistance ratings, Table 401 Obstructions, 810.1 Passageways and corridors, 810.0 Prohibited use, 803.0 Widths, 810.3 Court Definition, 201.0 Permissible encroachments, 508.0 Covered Malls, 601.0 Coverings Exterior, plywood, 1710.2 For exterior stairs, 819.1 For exteriors, weather protection, 2104.1 Interior floors, 1710.2 Roofs, 2301.0 Crawl space, ventilation, 709.2 Cupolas, types of construction, 927.9 Curtain, proscenium, 615.2.6 Curtain wall Definition, 201.0 Ratproofing, 2103.0

D

Dampers Fire, approved type, 918.1 Fire, definition, 201.0 Where required, 918.0 Dance halls Use Group A-2, assembly, 302.0 Dangerous structures, 123.0, 124.0 Dead loads Definition, 201.0 Design, 1104.0 Decisions of board of appeals, 126.4 Decorative features Projections, 507.0 Decorative material restrictions, 925.0, 527CMR 21.00(FPR-20) Decorative trim restrictions, 922.0, 926.0 Definitions, 201.0 Deflection criteria, 1302.2, 1305.0 Demolition General, 116.0 Permit, when required, 116.0 Unsafe buildings, 123.0, 124.0 Depth of foundations Governed by frost line, 1205.0 Governed by soil conditions, 1204.0 Design Approved by code official, 1306.1 Cast-in-place concrete piles, 1217.0

Composite piles, 1220.1 Dead Load, 1104.0 Fire protective requirements (see Fire protection systems) Formed steel construction, 1802.1 Foundation walls, 1222.1 General, 1100.0 Glass, glazing, 1303.2, 2201.0 Live loads, 1103.0, 1106.0 Lumber and timber construction, 1701.1 Masonry wall construction, 1410.1 Plain concrete, 1500.2 Plastics, 2002.0 Precast concrete piles, 1218.0 Proscenium curtains, 615.2.6 Reinforced brickwork, 1418.2 Reinforced concrete, 1500.1, 1506.0 Reinforced hollow block construction, 1418..1 Retaining walls, 1223.2 Safe load, 1102.0 Seismic (earthquake), 1113.0 Signs, general requirements, 2907.0 Special steels, 1807.1 Steel pipe and tapered tubular piles, 1216.0 Wind loads, 1112.0 Detector, smoke (see Automatic fire alarm systems) Deviations From code, 110.6 From plans, 113.5 Devices for window cleaning, 713.0 Dilapidated buildings Condemnation of 123.0, 124.0 Display of permit, 114.9 Display sign, definition, 201.0 Doors Approved type, fire 916.1, 916.2 Automatic closing devices for 916.5 Egress, means of, 812.0 Existing buildings, 804.0 Fire (see Fire doors) Fire separation walls, 910.0 For fire separations, 919.2 Hardware, 812.4 In horizontal exits, 814.2, 814.3 Location of, 807.0 Openings in mixed occupancy separation, 910.0 Openings in stairways or shaftways, 910.0 Panic hardware, 812.4.2 Power operated, 812.4.3 Rated fire door assemblies, 916.1

INDEX

Required to open out, 812.4 Revolving, 813.0 Width of, 812.3 Dormers, 927.6 Dormitories Definition (see Dwellings), 201.0 Use Group R-1, residential, 309.0 Doubtful use Classification, 312.0 Downspout For roofs, 926.1 Draftstopping Definition, 201.0 General, 921.0 Dressing rooms (see Theaters) Drying rooms, 2504.0 Drywall (see Gypsum board) Ducts Fire dampers required in, 918.0 Shafts, vertical, 915.4 Dumbwaiter Definition, 201.0 Enclosures, 2608.1.2, 2608.1.3. General, 524CMR 15-34 (ELV-2) Opening protectives, 2611.0 Vent requirements, 2608.3, 2608.4, 2608.5 Dusts, combustible, 617.0 **Duties** Of board of appeals, 126.0 Of board of survey, 12401 Of building official, 108.0 Of employees, 109.5 Dwellings Area and height limitations, general, 501.1, Table 501 Ceiling height, 708.1 Definition, 201.0 Exits, existing, 804.0 Fire separation walls in, 910.3 Foundations, 1222.0 Number of exits, 809.0 Occupancy load, 806.0 Use Group R, residential, 309.0 Е E, use group, educational, 304.0 Earthquake (seismic) design, 602.11, 1113.0 Eaves Construction, 926.0

Projection, 507.2 Educational buildings, Use Group E, 304.0 Egress (see Means of egress) Electrical equipment and wiring, Art. 27, 527CMR 6.00(FPR-11) Elevators Accidents, 2604.0 Certificate of compliance, 2603.0 Definitions, 201.0 Enclosures, 2608.1.1 Existing, 2605.0 Exit restrictions, 807.6 Fire department use, 2607.2 For high-rise buildings, 602.8 General, 2600.0, 524CMR 2.00-11.00 (ELV-1) Identification of, 2601.3 Maintenance, 2604.0 Opening protectives, 2611.0 Passenger restrictions, 2607.3 Permits, 2601.2 Plans and specifications, 2601.1 Safety devices, 2611.4 Tests and inspections for, 2602.0, 2603.3.1 Vent requirements, 2608.3, 2608.4, 2608.5 Emergency Controls, proscenium curtains, 615.2.6 Lighting, 824.0 Signs for exits, 823.0 Escape 804,9 Emergency electrical systems, 2706.0, Art. 27 **Emergency** measures Closing streets, 124.2 Cost of emergency repairs, 124.2 Emergency repairs, 124.2 Temporary safeguards, 124.2 Vacating structures, 124.2 Employees, restrictions on, 107.5 Enclosure Combustible construction allowed, 816.9.2, 910.4.1 For elevators, 2608.1.1 For interior stairs, 816.9.2 For motion picture projection rooms 613.2 Of exterior stairways, 819.1 Ramps, 815.0 Vertical shafts and hoistways, 915.0 Enclosure walls (see Walls) Encroachments Awnings and canopies, 507.8 Existing, 506.6 Special and temporary, 509.0 Street, 506.0 Yard and court, 508.0 Energy conservation Air leakage, 3107.0 Alternate systems, 3106.0 Component design, 3108.0 Equipment performance, 3111.0 Exempt buildings, 3101.4, 3113.1.2

Exterior envelope requirements, 3114.0 General, 3100.0 In electrical distribution systems, 3112.0 In existing buildings, 3207.0, 3101.3 In lighting systems, 3113.0 In mechanical systems, 3110.0 In water heating systems, 3105.0 Moisture control, 3107.0 Plans and specifications, 3103.2 Scope, 3100.1 Enforcement of code, 108.1, 108.9 Engineering calculations, 113.7 Engineering practice, 110.2 Escalators, 820.0, 2617.0, 524CMR 2-34(ELV1, ELV2) Excavations Protection of 3007.0 Protection adjoining property, 3012.0 Walkways over 3006.3 Exhaust ventilation (see Ventilation) **Existing buildings** Additions, alterations, repairs, 106.0, Art. 32 Areas allowable, Table 501, 505.2 Certificate of occupancy, 119.0 Change in existing use, 105.2, 3204.0, 3205.0 Change of occupancy, 105.2, Art. 32 Condemnation of 123.0, 124.0 Continuation of, 105.1, 3203.0 Definition, 201.0 Demolition, 116.0 Energy provisions, 3207 Exits, 804.0 General requirements, 104.0 Hazard index, Table 3204 Inspection of, 108.5.1 Maintenance, 104.0 Moving, 117.0 Nonstructural alterations and repairs, 106.0 Projections, 504.1.2 Unsafe, 123.0 Existing signs, 2904.0 Exit lights, 823.0, 824.0 Exit signs, 823.0 Exits (see Means of egress) Expiration of permit, 114.3 Exterior envelope **Definition 201.0** Requirements, 3109.0, 3114.0, 3115.0 Exterior hoists, 3015.0 Exterior opening, protection required, 907.0 Exterior stairways, 819.0

Exterior trim restrictions, 926.0

F

F, use group, factory and industrial, 305.0 Faced (veneered) walls (see Walls) Factories Use Group F, factory and industrial, 305.0 Group H, high hazard, 306.0 Fees For periodic inspection, 108.5.1, Table 108 Fences Excavations, 3007.0 For construction purposes, 3006.2 General requirements, 3009.0 Film Projection rooms, 613.0 Storage and use of flammable film, 613.1 Finish, interior (see interior finish) Fire Alarm system (see Fire protection system) Area, definition, 201.0 Dampers, 918.0 Firestopping, 921.0 Dampers, 918.0 Sprinklers and standpipes (see Fire protection systems) Ventilation of open wells, 606.0 Fire alarms (also see Fire protection systems and High-rise buildings) Fire appliances during construction, 3018.0 Fire dampers, 201.0, 918.0 Fire department Central control station for 1020.0 Connections, 201.0, 1014.0 Fire detection systems (see Automatic fire alarm system), 1018.0 Fire doors Closures, 916.5 Definition, 201.0 Dressing rooms, 615.4.2 General 903.3, 916.0 On openings in exterior walls, 907.0 On openings in fire walls, 909.3 On openings in proscenium walls, 615.2.5 On openings in stage enclosures, 615.2.4 Fire escapes As exits, 821.1 Existing building, 821.0 Maintenance of, 805.0 Fireplaces, masonry, Article 24 Fire protection systems Area increased by, 502.3 Automatic fire alarm systems, 1018.0

Automatic fire alarm, where required, 1018.3 Carbon dioxide extinguishing system, 201.0, 1008.0 Dry chemical extinguishing system, 1010.0 Fire department connection, 1014.0 Foam extinguishing system, 201.0, 1007.0 General requirements, 1000.0 Halogenated fire extinguishing system, 201.0, 1009.0 Height increased by, 503.1 Limited area sprinkler system, 1005.0 Manual fire alarm system, 1017.0 Manual fire alarm system, where required, 1017.3 Outside sprinklers, 907.1.1 Plans and specifications, 1001.0 Standpipes, where required, 1012.2 Supply media, 1015.0 Suppression system selection, 1003.0 Temporary standpipe requirements, 1013.0 Water spray fixed systems, 1006.0 Water sprinkler system, 1004.0 Where required, 1002.0 Yard hydrants, 1016.0 Fireresistance rating Assemblies, 903.1, 913.0 Ceilings and floors, 913.0 Construction requirements, general, 900.0 Definition, 201.0 Fire hazard classification, 902.0 Plans and specifications, 901.1 Protection of structural members, 902.0 Roof coverings, 2301.0 Special requirements, 905.0 Tests, 903.0 Fire resistance ratings of structure elements, Table 401 Fire-retardant treated wood Tests, 903.5.2 Use limitations, 903.5.2 Fire separation Exterior fire exposure, 201.0, Table 401 Required for occupancy, 910.0 Fire shutters 917.0 Firestopping Architectural trim, 921.6.5, 926.2.3 Between wood sleepers, 924.2 Definition, 201.0 Floor/roof ceiling assemblies, 921.0 General requirements, 921.0 Of attic spaces, 921.0 Fire suppression system, automatic Definition, 201.1

Required, 1002.0 Fire towers (smokeproof enclosure)), 818.0 Fire ventilation Of open wells, 606.0 Fire walls, 908.0 Fire windows, 917.0 Flag poles, 927.1 Flammable Combustible dusts, grain processing and storage, 617.0 Film, storage and use of, 613.0 Liquids, 619.0 Flameresistance tests General. 904.1 Interior finish materials, 902.4 Interior hangings and decorations, 904.4 Flashing Wood construction, 2104.7 Floodproofing, 2102.0 Floor Area, 501.0, Table 501, 502.0, 504.0 Combustible materials permitted in Types 1 and 2 construction, 401.4, 924.0 Floor area, definition, 201.0 Plywood sheathing, 1710.0 Public garages, 609.2.4 Ratproofing, 2103.0 Theater stages, 615.2.1 Floor loads Dead, 1104.0 Design live, 1103.0, 1106.0 Existing buildings, 1105.0 Reductions allowed, 1115.0 Required to be posted, 120.0 Floor openings Classification, open wells, 606.1 Construction, 606.3 Foam plastics, 922.4.1, 2002.0 Folding seating, 610.0 Footings Concrete, design, 1209.0 Depth, 1205.0 Design, general, 1206.0 Forming, 1209.6 Loads, 1204.0 Of masonry, 1210.0 Of reinforced concrete, 1209.3.2 Of public property, 506.2 Protection of steel in grillage footings, 1208.0 Steel grillage, 1208.0 Timber, 1207.0 Formed steel construction 1802.0

Foundations

Allowable loads, 1204.0 Caissons, 1221.0 Design, 1222.1 Footing design, 1205.0, 1206.0 For neighboring building, 3007.2 May project beyond property line, 506.2, 506.3, 506.4 Minimum depth, 1205.0 Minimum thickness, 1222.2 Piers, 1212.0 Piles, 1213.0 through 1221.0 Ratproofing, 2103.0 Steel grillage, 1208.0 Walls 1222.0 Wood and timber, 1207.0 Frame construction, wood General requirements, Article 17 Native lumber, 1701.1.2 Frost

Depth of foundation, 1205.1

G

Garages Beneath a dwelling, 608.1 Construction of public garages, 609.2 Definitions, 201.0 Fire doors, 608.1 Open parking structures, 607.0 Private 608.0 Public, 609.0 Separations, 608.1, 608.1.1 Storage of flammables, 609.5 Ventilation, 609.4 Garage, private Connected to dwelling, 608.1 Definition, 201.0 Use Group U, utility and miscellaneous, 311.0 Garage, public Classified, 201.0 Construction limited, 609.2 Definition, 201.0 Fire suppression system required, 1002.10, 1002.11 Use Group S-1, storage, 310.0 Ventilation required, 609.4 Gas Gas fired equipment (see BOCA National Mech. Code listed in App. A) General, 248CMR 3.00-8.00 Liquefied petroleum, 620.0.

527CMR 6.00(FPR-5)

Area required, 704.2, 706.2 Block walls, 1420.0 Dimensional tolerances, 2201.3 Impact loads, 2203.1 In fire doors, 919.1 Jalousies, 2201.4 Labeling and identity, 2201.1 Specific hazardous locations, 2203.2, 2207.1 Strength tests for, 1303.2.1 Supports, 2201.2 Veneer, structural, 2109.0 Wind loads, 2202.1 Wired glass, 919.0 Glazed masonry units, 1404.0 Glazing, plastics Approved, 2000.2 Bathroom accessories, 2001.7 Exterior wall panels, 2105.2 Of unprotected openings, 2205.0 Roof panels, 2306.0 Skylight assemblies, 2204.6 Glued-laminated lumber construction, 1708.0 Grade Definition, 201.0 Depth of footings and foundations below, 1207.0, 1222.0 Passageways and lobbies, 811.0 Grade mark Marked lumber, 1701.1 Marked plywood, 1710.0 Native lumber, 1701.1.2 Grading a lot, 3008.1 Grain processing and storage, 617.0 Grandstands, 201.0, 612.0 Greenhouses, 2204.4 Ground At grade protection, wood construction, 1704.9 Clearance of wood framework above, in crawl spaces, 709.2 Signs, 2908.0 Grounding Metal roofs, 2301.5 Metal veneer, 2106.4 Radio and television antennae, 624.3 Radio and television towers, 623,5 Group dwelling units Requirements for, 638 Group residence Requirements for, 631 Use Group I-1 - institutional, 307.0 Limited group residence, 636

Glass

780 CMR - Fifth Edition

INDEX

Group dwelling units, 638 Grout (see Mortar) Guards, 827.0 Gutters Materials for roof drainage, 926.1 Gypsum Concrete reinforced, 1604.0 Gypsum board Construction, 1604.0 Materials, 1603.0 Standards, 1603.2

H

H, use groups, high hazard, 306.0 Habitable space Definition, 201.0 Handicapped and aged, requirements for, 512.0, 2607.4 Handrails For ramps, 815.5, 828.2 For retaining walls, 1223.5 For stairways, 816.5, 828.2 Hardware on exit doors, 812.4 Hazardous General, 600.0 High hazard (see Use Group H), 306.0 Inspection of 600.0 Low hazard (see Use Group S-2), 310.0 Means of egress, 825.0 Moderate hazard (see Use Group S-1), 310.0 Prohibited with assembly use, 313.2 Storage segregation, 600.6 Headroom In dwellings (see definition of Habitable space), 201.0 In stairways, 816.2.2 Hearth for fireplace 2402.3 Heated space, definition, 201.0 Heating Fireplaces, 2402.0 Gas fired equipment, 2500.2, 248CMR 3.00-8.00 Heating and ventilating equipment in hazardous occupancies, 2500.2 Temporary during construction, 3018.2, 3018.3 Heating appliances and systems Industrial classification of, 2500.2 In existing buildings, 2503.1 installations, 2500.0. burning Oil 527CMR4.00(FPR-3)

Oil, fuel tanks and equipment, 2500.0, 527CMR 9.00(FPR-8) Temporary during construction, 3018.2 timber construction (see Type - 4 Heavy construction), 1702.0 Height Alterations for existing buildings, 505.0, Art. 32 Awnings, 507.8, 507.9 Definition, 201.0 Exceptions, 503.0 For unlimited area building, 504.1 Handrails or railings, 828.2, 1223.5 Limitations, 501.3 Marquees, 507.10 Masonry walls, 1410.1 Of buildings, 501.0, Table 501 Parapet walls, 906.6 Permissible street projections, 507.0 Restrictions, 501.3, 501.4, 504.1 Stairway, maximum vertical rise, 816.3.2 Towers spires cupolas, aerial supports, poles, etc., 927.0 Types of construction, 1, 2, 3, 4 and 5, 501.0, Table 501 Use groups, 501.0, Table 501 Veneered walls, 2107.3 Wind load effect, 1112.0 High hazard structures Use Group H, 306.0 High-rise building Alarm and communications system, 602.5 Applicability, 602.1 Automatic fire suppression system, 602.3.1 Central control station, 602.6 Elevators, 602.8 Emergency power, 602.9 Exits in, 602.10 Maintenance and inspection, 602.2 Seismic consideration in, 602.11 Smoke control 602.7 Smoke detection systems, 602.4 Historic buildings and districts, 513.0, 637.0, App. H Hoists for construction operations, 3015.0 Homes for aged Use Group 1-2, institutional, 307.0 Horizontal exits Definition, 201.0 General requirements, 814.0 Hospitals Requirements for, 632 Use Group 1-2, institutional, 307.0 Hotels

Definition (see Dwelling), 201.0 Use Group R-1, residential, 309.0 House, lodging Use Group R, residential, 309.0 Hydrants, fire yard systems, 1016.1

I

I, use groups, institutional, 307.0 Identification for plastics, 2000.2 Identification for signs, 2901.3 Illuminated signs, 2914.0 Industrial heating appliances, classification, 2500.0 Industrial lifts and loading ramps, 2614.0 Industrial Use Group F, factory and industrial, 305.0 Infirmaries Use Group 1-2, institutional, 307.0 Inner court Definition (see Court), 201.0 Insane asylums Use Group 1-3 institutional, 307.0 Inspection By approved agencies, 111.2.1, Chapt. 3, **Rules & Regulations** By building official, 111.0 Final, 111.3 Of electrical wiring, Art. 27, 527CMR12.00(FPR-11) Of existing buildings, 108.5.1 Of hazardous uses and places of assembly, 603.0 Of heating systems, 2502.0 Of prefabricated construction, 111.4, Chapt. 3, Rules & Regulations Of signs, 2905.4 Of unsafe buildings, 123.1 Periodic, 108.5.1 Required preliminary, 111.1 Special, definition, 201.0 Insulation Building, specifications, 3106.0 Fiber boards for roof, 1709.3 Fiber boards for wall, 1709.4 Foam plastics, 922.4.1, 2002.0 Foundation wall, 3106.4.7 Material standards, Table 3106 Thermal insulating materials requirements, 928.0 Interior environmental requirements, Art. 7 Interior finish and trim Application of 923.0 Classification of materials, 904.2, 922.5 Decorative material restrictions, 925.0

Flameresistance tests, 904.0 Flame spread of, 904.2, 904.4 Floor finishes, 922.7, Table 922.7 Foam plastics, 922.4.1, 2002.0 General requirements, 922.0 Restrictions in Types 1 and 2 buildings, 924.0 Use group requirements, 922.5, Table 922.5 Interior lot lines, definition, 201.0

J

Jails Use Group 1-3, institutional, 307.0 Jalousies Windows and doors, 2201.4

L

Label, definition, 201.0 Labeling, 1306.3 Landings of stairs, 816.3 Landing of ramps, 815.4 Lathing and plastering, 1600.1, 1602.0 Leaders and gutters, 926.1 Liability, building official, 107.6 Licenses Fee for 114.0 Concrete testing laboratories, Chapt. 1, **Rules & Regulations** Concrete testing personnel, Chapt. 2, **Rules & Regulations** Approval of inspection agencies, Chapt. 3, **Rules & Regulations** Approval of manufacturers, Chapt. 3, **Rules & Regulations** Native lumber producers, Chapt. 4, Rules & Regulations Construction supervisors, Chapt. 5, Rules & Regulations Testing laboratories, solid fuel appliances, Chapt. 6, Rules & Regulations Lifts Automotive, 2615.0 Industrial, 2614.0 Light, illumination Artificial, 705.0 Court requirements, for 710.0 Energy conservation, 3113.0 For existing buildings, 702.0 For exit signs, 823.0

General, 700.0 Natural, 704.0 Rear yards for, 711.0 Required, 703.0 Window requirements, 704.2 Limited group residence Requirements for, 636 Group residence, 631 Linen chutes, 2506.0 Lintel Definition, 201.0 Fire protection, 912.2 Over openings, frame construction, 1704.6 Liquids Flammable and combustible, 306.2, 619.0 Liquefied petroleum gases, 306.2, 620.0 Load design, 1102.0, 1103.0, 1104.0, 1302.0 Load impact Assembly structures, 1108.5 Craneways, 1108.4 Definition, 201.0 Elevators, 1108.2 General, 1108.1 Machinery, 1108.3 Load (live, dead, floor) Combination of, 1114.0 Concentrated, 1107.0 Craneways, 1108.4 Definition, 201.0 Deflections allowable, 1305.3 Earthquake, 1113.0 Floor loads, occupancy, Table 1106, 1106.1 Footings and foundations, 1204.0, 1206.0 For concrete footings, 1206.0, 1209.0 For retaining wall design, 1109.2 Glass (see Load, glass) Guards, 1109.7 Impact (see Load, impact) Piles, allowable, 1214.0 Posting of live loads, 1106.0 Railings, 1109.7 Reductions allowed, 1115.0 Required to be posted, 1106.2 Roof, 1112.0 Snow, 1111.0 Soil, bearing capacity, 1201.0 Special, 1109.0 Tests. 1102.2 Uniform, 1106.0 Wind (see Load, wind) Load, glass Impact loads, 2203.1 Jalousies, 2201.4 Wind loads, 2202.1

Load, wind Chimneys, 1112.0 Exterior walls, 1112.0 General requirements, 1112.0 Glass, 2202.1 Roofs, 1110.0, 1112.0 Signs, 1112.0 Loading ramps, industrial, 2614.0 Lobbies, grade passageways and 811.0 Loading housing Definition (see Dwelling), 201.0 Use Group R, residential, 309.0 Lot Definition, 201.0 Interior lot line, definition, 201.0 Line fences, 3009.1 Plot plan required, 113.6 Regulations for 3008.0 Lumber (also see Wood construction) Grade of, 1701.1 Native, 1701.1.2

М

M, use group, mercantile, 308.0 Maintenance Of buildings and structures, 104.0 Of exit facilities, 805.2 Of fire protection systems, 1000.3 Of signs, 2905.2 Malls, covered, 201.0, 601.0 Manlifts General requirements, 2613.0(prohibited) Mansard roofs, 927.5 Manual fire alarm systems 1017.0 Definition, 201.0 Marquees and canopies Construction requirements, 507.10.5, 510.3, 510.5 Definition (see Signs) 201.0 Drainage of water, 507.10.3 Signs, 507.10, 2912.0 Masonry Bonding, 1411.0 Brick, 1402.0 Cast stone, 1408.0 Chases and recess, 1413.0 Concrete units, 1405.0 Construction requirements, 1410.0 Corbeled and protected, 1415.0 Cornices, 1415.3 Definition, 201.0

Design, 1410.1 Fireplaces, Article 24 Fireresistance ratings, equivalent thickness, 1405.6.1 Footings, 1210.0 Foundations, 1222.2.2 Freezing protection 1410.3 Glass block, 1420.4 Glazed units, 1404.0 Hollow, definition of 201.0 Hollow units, 1405.2, 1405.3 Lateral bracing, 1412.0 Mortar, 1409.0 Reinforced 1418.0 Reinforced hollow, 1409.0 Reuse of, 1401.2 Solid, definition of, 201.0 Solid units, 1405.4 Stone, natural, 1407.0 Terra cotta, 1406.0 Tests, general, 1300.0 Tile, structural 1403.0 Veneers, 2104.0 Matches Use Group H, high hazard, 306.0 Materials Alternate, 1300.2 Approvals, 1306.0 Brick units, 1402.0 Cast stone, 1408.0 Concrete aggregates, 1502.0 Concrete units, 1405.0 Glazed masonry units, 1404.0 Mortar, 1409.0 Natural stone, 1407.0 Plastics approved, 2900.2 Plywood, 1710.0 Structural clay tile units 1403.0 Structural glass block units, 1420.4 Used, 1300.3 Matters not provided for, 101.3 Means of egress Air conditioned buildings, 803.0 Aisles, corridors and passageways, required width for, 810.3 Buildings with one stairway, 809.3 Capacity of exits, 808.0 Definition, 201.0 Doorways, 812.0, 816.6 Door revolving, 813.0 Elevator restrictions, 807.6 Exit hallways, 810.0 Exit openings in exterior walls, 814.0 Exit signs, 823.0

Exterior exit stairways, 819.0 Fire escapes, 821.0 From places of assembly, 807.2.2 General provisions, 800.0 Grade passageway and lobbies, 811.0 Hardware, 812.4 Hazards, to, 825.0 Horizontal exits, 814.0 In existing buildings, 804.0 Interior exit stairways, 816.0 Length of travel, Table 807, 807.5 Lighting, 8240 Location and type of 807.0 Maintenance of exits, 805.0 Moving exit stairways, 820.0 Noncombustible, 903.4.1.1 Number of exits required, 809.0, 809.2, 812.2 Occupant load, 806.0 Opening protectives, 810.4 Passageways and corridors, 810.0 Prohibited use, 803.0 Ramps, 815.0 Slidescapes, 822.0 Smokeproof enclosure, 818.0 Spiral stairways, 816.7 Stairway, construction, 816.9 Supplemental stairways, 816.8 Through adjoining spaces, 807.2.1 To roof, 817.0 Units of egress width, 808.1 Unlimited one story buildings, 504.0 Measurement of heights Definition of height, 201.0 Mechanical ventilation (see Ventilation) Membrane structures Definitions, 201.0 General, 604.0 Metal roofs Grounding of, 2301.5 Metal siding Corrosion protection, 2104.5 Thickness, 2104.1 Meters, gas, 2700, 248CMR 3.00-8.00 Mezzanines Definition, 201.0 General, 605.0 Mill construction, 405.0 Miscellaneous buildings Use Group U, utility and miscellaneous, 311.0 Miscellaneous signs, 2913.0 Mixed occupancies, 313.0 Mobile units, requirements, 621.0

Modification of code provisions By board of appeals, 110.6, 126.4 Of area, 502.0 Of height, 503.0 Variations, 110.6, 126.4 Written, 126.4.3, 126.4.4 Moisture control, 3107.0 Mortar Cement, 1409.5 For glass blocks, 1420.2 For masonry, 1409.0 Special, 1409.4 Motion picture film storage, 613.1 Motion picture projection and screening rooms, 613.0 Motion picture screening rooms, 613.0 Motion picture studios, 613.7 Moved structures, 117.0 Multiple dwelling Definition (see Dwelling), 201.0 Use Group R-2, residential, 309.0

N

Nails Fastening schedule, Appendix C Native lumber, 1701.1.2 New materials or methods of construction Alternate materials and alternate methods of construction, 110.3, 1300.0 Board of appeals, 126.0 Noncombustible construction Definition, 201.0 General, 402.0, 403.0 Noncombustible material (see Definition), 201.0, 903.4.1.1 Notices Board of appeals meeting, 126.3.4 Of work starting, 114.10 Of violations, 121.2 Posting occupancy load, 120.0 Posting permits, 114.9

Safe floor loads, 120.1, 120.2 Stop work order, 122.0 Unsafe buildings, 123.0 Nursing homes

Requirements for, 632

0

Occupancy Certificate of, 119.0 Change in use, 105.2, Art. 32 Covered by code, 101.0 Definition, 201.0 Doubtful classification, 312.1 Mixed uses and occupancy, 313.0 Occupant load Allowances, 806.0, Table 806 Definition, 201.0 Maximum, 806.1.5 Mixed uses and occupancy, 313.0 Posted, 120.2 Occupiable room, definition, 201.0 Office buildings Use Group B., business, 303.0 Oil Burning equipment installations, 2500.0, 527CMR 4.00(FPR-3) **Oil Storage** Fuel oil tanks and equipment, 2500.2, 527CMR 4.00(FPR-3) Tank vents, 2500.2 Openings Exterior opening protectives, 907.0 Horizontal protection, 903.0 In fire partitions, 909.0 In shaft enclosure walls, 915.7 On or near exterior stairways, 819.2 Protected with fire doors or windows, 903.3 Vertical protection, 906.5 Open parking structures Definition, 201.0 Height and area, 607.5 Protective railings, 607.6, 827.0 Type of construction permitted, 607.2 Use Group S-2 storage, low hazard, 310.0 Wheel guards required, 607.7 Open wells, 201.0, 606.0 Ordinary repairs, 201.0, 106.1 Oriel window Definition, 201.0 Other regulations which govern, 100.5, 101.4 Owner Definition, 201.0 Responsibility, 104.2

P

Paint Of formed steel, 1802.3 Of structural steel, 1801.4 Spraying and spray booths, 622.0 Storage, 622.3.3, 527CMR 14.00(FPR-13) **Panels** Stress skin, 1707.0 Panel walls Glass block, 1420.0 Thickness of hollow, 2105.1.1 Thickness of solid, 2105.1 Weather resistance of, 2105.1.2 Panic hardware, on exit doors, 812.4 Parapet wall, 906.6 Parking structure, open (see Open parking structure) Particle board Definition, 201.0 Party walls Affected by excavations, 3007.0 Carried to underside or above roof, 908.5 Construction of, 908.0 Definition, 201.0 Parapets required, 908.5 Size and construction of openings, 909.0 Passageways Corridors, 810.0 Grade and lobbies, 811.0 Horizontal exits, 814.0 Obstructions prohibited, 805.1 Penalties and violations, provided by code, 121.4 Penthouse Definition, 201.0 General requirements, 927.3 Permits Action on applications, 114.1 Amendments to, 113.8 Application for, 113.0 Approval in part, 114.82.7 Awnings, 510.1 Conditions of, 115.0 Definition, 201.0 Electrical, 2704.0, 527CMR 12.00(FPR-11) Examination of drawings, 114.1 Expiration, 114.3 For awnings and canopies, 510.1 Not required, 102.1 Posting of, 114.9 Records to be kept, 108.7 Required, 113.1 Revoked, 114.7, 506.5 Signs, 2901.0

To demolish buildings, 116.1 When required, 113.1 Validity, 140.0 Person Definition, 201.0 Petroleum storage Liquified petroleum gases, 620.0, 527CMR 6.00(FPR-5) Flammable and combustible liquids, 619.0, 527CMR 14.00(FPR-13) Piers Isolated masonry, 1421.1 Piles Cast-in-place concrete, 1217.0 Composite, 1220.0 Foundations, 1213.0 Loads allowable, 1214.0 Precast concrete, 1218.0 Special, 1221.0 Steel pipe and tubular, 1216.0 Structural steel, 1215.0 Timber, 1219.0 Pipe Columns, concrete-filled, 1507 Piles, 1216.0 Shafts, 915.4 Planking For combustible construction, 3013.2 For structural steel frames, 3013.3 Plans and specifications Approval of, 112.5 Changes in, 113.8 Required, 113.5, 113.6 Plastering and lathing Application, interior, 1601.1 Fireresistance requirements, 920.0 General requirements, 1601.0, 1602.0 Gypsum plaster, 1601.0 Interior lathing and gypsum plastering, 1601.0 Materials, 1601.0 Portland cement stucco, 1602.0 Plastics Approval for use, 2000.3 Approved, 2000.2 Bathroom accessories, 2001.7 Definitions, 201.0 Design and installation, 2001.0 Fastenings, 2001.0 Foam, 922.4, 2002.0

Time limit, 113.9 Temporary, 511.0

To move buildings, 117.0

Glazing of unprotected openings, 2205.0 Interior finish and trim, 922.0 Light-diffusing systems, 2001.5 Of signs, 2907.4.2 Partitions, 2001.6 Roof panels, 2306.0 Scope and use, 2000.1 Skylights, 2204.6 Structural requirements, 2001.2 Thermoplastics, definition, 201.0, 2001.1 Thermosetting, definition, 210.0, 2001.1 Veneer, 2105.2 Wall panels exterior, 2105.2 Platforms Construction of, 615.3 Fire suppression, 1002.4 Plenum, definition, 201.0 Plenums, 803.1, 929.0 Plot plan, required, 111.6 Plumbing, 2800.0, 248CMR 3.00-8.00 Plywood, 1710.0 Portable signs, 2915.0 Positive heat supply, definition, 201.0 Posting Certificate of occupancy, 120.1, 120.2 Live loads, 1106.3 Occupant load, 120.2 Permits, 114.9 Unsafe building, 123.1 Projecting signs, 2911.0 Projection rooms Construction of, 613.2 General requirements, 613.0 Ventilation of 613.3 Projections from buildings Awnings and canopies, 507.8, 510.0 Bay windows, 507.6 Balconies and stairs, 507.7 Below sidewalk, 506.2 Belt courses, 507.3 Cornices and eaves, 507.2 General, 506.1 In alleys, 509.0 Marquees, 507.10 Signs, 2903.2.3, 2911.0, 2912.0 Special and temporary, 509.0 Street encroachments, 506.0 Street projections, permissible, 507.0 Yard and court, 508.0 Protected construction Definition, 201.0 Protection against corrosion Formed steel, 1802.3 Structural steel, 1801.4

Protection against dampness Of crawl spaces, 709.2 Of foundation walls, 1224.0 Projection against decay and termites, 1712.0 Protection during construction During wrecking, 3006.0 Of adjoining property, 3012.0 Of excavation, 3007.0 Of floor and wall openings, 3013.0 Protection of exterior openings

Of exterior vall, 907.0, 917.0 Of fire wall opening, 909.0 Public assembly Use Group A, assembly, 302.0 Public way, definition, 201.0

Q

Qualifications Alternate inspector, 107.2.2 Building commissioner, 107.3 For board of survey, 123.2 Inspector of buildings, 107.3 Local inspector, 107.4 Of board of appeals, 126.2.1

R

R, use groups, residential, 309.0 Radio antennae and towers, 623.0, 624.0 Railings (see Handrails) Ramps, 815.0 Ratproofing, 2103.0 Recesses (see Masonry and Walls) Records Of decisions, 124.6 Of department, 108.7 **Recreation buildings** Use Group A, assembly, 302.0 Reductions, live load, 1115.0 Refineries Use Group H, high hazard, 306.0 Reformatories Use Group 1-3, institutional, 307.0 Refuse, chutes, 2506.0 Refuse vaults, 2507.0 Reinforced Definition, concrete, 201.0 Foundation walls, concrete, 1222.2.1 Gypsum concrete, 1604.0 Masonry, foundation walls, 1222.2.2 Walls, 1222.0

Reinforced concrete (also see Concrete) Definition, 201.0 Design, 1500.1 Footings, 1212.4 Gypsum, 1604.0 Pipes in, 1505.3 Reinforced gypsum concrete, 1604.0 Removal Of buildings and structures, 124.2 Of debris, altering existing buildings, 114.1.3 Of waste during construction, 3011.0 Repair Of existing buildings, 106.1, 113.1 Of unsafe buildings or structures, 120.4 Permit not required, 102.1 To roofs of existing buildings, 2301.2 Repair shops, motor vehicle Definition (see Garages, public) 201.0 Public garages, 609.0 Use Group S-1, storage, moderate hazard, 310.0 **Residential buildings** Sound transmission control, 714.0 Use Group R, 309.0 Rest homes Requirements for, 632 Restaurants Use group A-3, assembly, 302.0 Restrictions Area, 501.2 Height, 501.3 On employees, 107.5 Special occupancy, 600.0 Retail stores Use Group M, mercantile, 308.0 **Retaining wall** Definition, 201.0 Design, 1223.2 General, 1223.1 Guard rails for, 1223.5 Reviewing stands, 612.0 Revocation of permit, 114.7, 506.5 Revolving doors, 813.0 Right of entry, 112.0 Risers for stairways (see Stairways) Roof construction As required by type of construction, 402.0, 403.0, 404.0, 405.0, 406.0 Cooling towers, 927.8 Covering, 2301.0 Definition of roof structure, 201.0 Fire and party walls to extend to or above, 908.5

Fireresistance requirements, Table 401 Loads, 1110.0, 1111.0, 1112.0 Mansard or ordinary construction, 927.5 Of approved plastics, 2001.1, 2306.0 Over terraces, approved plastics, 2306.5 Stadiums, 914.2 Wind loads, 1112.0 Wood construction, 1706.0 Roof covering Classified, 2301.1, 2301.3 Definition, 201.0 Roofing repairs on existing buildings, 2301.2 Roof signs, 2909.0 Roof structures, 927.0 Rooming houses Use Group R, residential, 309.0 Rubbish chutes, 2506.0 Rubble stone foundation walls, 1222.2.4 Rule making authority, 109.1 Rust protection For formed steel, 1802.3 For structural steel, 1801.4

S

S, use group, storage, 310.0 Safeguards during construction, 3000.0 Safe loads on soil, 1201.0 Safety devices for window cleaning, 713.0 Salamanders, 3018.2 **Sanitariums** Use Group 1-2, institutional, 307.0 Scaffolds, 201.0, 3014.0 Scale of plans, 111.5 Schools Use Group E, educational, 304.0 Scope of code General, 100.0 Screening rooms, motion picture, 613.0 Screens for skylights, 2204.3 Scuttle Scuttle size and construction, 927.2 Seating Aisles and, 826.0 Folding and telescopic, 612.0 Seismic (earthquake) design, 602.11, 1113.0 Shaft Definition, 201.0 Duct and pipe, 915.4 Enclosures, 915.2, 915.3 Shall, definition, 201.0 Sheathing Floor, 1701.3.1 For exterior lathing and stucco, 1602.3 General requirements for, 1603.2, 1709.1

Roof, 1706.2, 1710.31 Subfloor, 1710.3.2 Wall, 1704.7 Shed Sidewalk, 3006.4 Shingles and shakes Wood, 2302.1 Shotcrete Definition, 201.0 General, 1508.0 Shutters Shutters on exterior wall openings, 917.0 Siamese connections for standpipes, 1012.5 Sidewalks Bridge, 3006.3 Siding Minimum material requirements, 2104.1 Signs Alley, 2903.2.4 Alterations to, 2901.4 Banner and cloth, 2913.1 Bonds and liability insurance, 2906.0 Definitions, 201.0 Design loads, 2907.1, 2901.2, 2911.4 Exemptions, 2902.0 Existing, 2904.0 Extending over curb prohibited, 2911.2 For exits, 823.0 General requirements, 2907.0 Ground, 2908.0 Ground projecting, 2911.0 Identification, 2901.3 Illuminated, 2907.3, 2914.0 Inspection of, 2905.4 Maintenance, 2905.2 Marquee, 2912.0 Miscellaneous, 2913.0 Permits for 2901.0 Plans and specifications, 2901.0 Plastics for 2907.4.2, 2000.2 Pole, 2908.0 Roof, 2909.0 Temporary, 2913.0 Unsafe, unlawful, 2903.0 Wall, 2910.0 Wind loads, 1112.0, 2907.2.1 Skylights General, 2204.0 Plastic, 2000.2, 2204.6 Slidescapes, 201.0, 822.0 Smokeproof enclosure, 201.0, 818.0 Snow load, 1111.0 Soil Bearing, allowable, 1201.0

Bearing capacity, 1201.0 Tests, 1202.0, 1203.0 Sound stages, motion picture, 613.0 Sound transmission control in residential building Airborne noise, 714.2 Scope, 714.1 Structure borne sound, 714.3 Tested assemblies, 714.4 Special fireresistance requirements For grade floor protection, 807.3.1 For residential buildings, 905.2 Spray painting Booths, 622.0 Construction requirements for booths, 622.0 Fire protection, 622.4 Sprinklers (also see Fire protection systems) Area increase permitted, 502.3 Capacity per unit egress, width permitted, 808.0, Table 808 General requirements, 1000.0 Length of travel, increase permitted, 807.5, Table 807 Outside, 907.1.1 Where required, 1002.0 Stadiums Use Group A-5, assembly, 302.0 Roof construction, 914.2 Stage Construction, 615.2 Curtain, proscenium 615.2.6 Definition, 201.0 Fire suppression, 1002.4 Floor construction, 615.2.1 Rooms, accessory, 615.4 Separated from auditorium by wall, 615.2.5 Ventilation of, 615.2.8 Stairways Access to roof, 817.0 Definition, 201.0 Door to stairway, 816.6 Enclosure, combustible, 816.9.2, 910.4.1 Enclosures, exterior, 819.1 Enclosures, interior, 816.9.2 Exterior, 819.0 Fire escapes, 821.0 Guard details, 827.0 Handrails, 816.5, 828.2 Headroom clearance, 816.2.2 Interior, 816.0 Landings, width, 816.3 Means of egress, 809.2, 816.0 Means of egress lighting, 824.0

Moving, 820.0, 2617.0 Railings, 816.5, 828.2 Rise between landings, 816.3.2 Slidescapes, 822.0 Spiral stairway, 816.7 Supplemental, 816.8 Treads and risers, 816.4 Width, 816.2.1 Winders, 816.4.3 Standards, referenced, which governs, 101.6 Standby power systems, 2700.0, 527CMR 12.00(FPR-11) Standpipes Definition, 201.0 During construction, 1013.0 Water supplies, 1015.0 Where required, 1012.0 Starting work Notice to building official, 114.10 Steel, construction Cast iron construction, 1806.0 Cast steel construction, 1805.0 Definition, 201.0 Fire escapes, 821.0 Frame construction planking, 3018.3 Grillages in footings, 1208.0 Joists, open web construction, 1803.0 Light gage and formed steel construction, 1802.0 Painting, 1801.4 Reinforcing, 1804.0 Special steel, 1807.0 Structural, 1801.0 Steel pipes Concrete-filled, 1216.1 Stone Cast 1408.0 Foundation walls, 1222.2.4 Natural stones, 1407.0 Veneer, 2108.0 Stop work orders, 122.0 Storage Of combustible dusts, grain processing and storage, 617.0 Of flammables, 619.0, 527CMR 14.00(FPR-13) Of liquefied petroleum gas, 620.0, 527 CMR 6.00(FPR-5) Use Group S, storage, 310.0 Story, above grade, definition, 201.0 Street Definition, 201.0 Encroachments, 506.0 Permissible projections, 507.0

Structural clay tile, 1403.0 Structural glass block, 1420.4 Structural requirements for plastics, 2001.2 Structural steel (see Steel) Structure Definition, 201.0 Unsafe, 123.0 Stucco, 1602.0 Summer camps for children, 634 Survey, board of 124.1 Swimming pools Classification of 625.2 Design and construction, 625.5 Permit and plans, 625.3 Safety precaution, 625.9 Water supply treatment, and drainage system, 625.6

T

Tanks Air, 522CMR 7.00, 8.00(BLR5,6) Storage of flammable liquids, 619.0, 527CMR 14.00(FPR-13) Storage of liquefied petroleum gas, 620.0, 527CMR 6.00(FPR-5) Telescopic seating, 612.0 Television antennae and towers, 623.0, 624.0 Temporary Boilers, 3018.3 Buildings or structures, 511.0, 626.0 Electrical use, 2700.0, 527CMR 12.00(FPR-11) Elevators, 3015.0 Heating devices, 3018.2 Occupancy, 119.4 Permits, 511.1 Signs, 2913.0 Stairs, 3016.1 Termination of approval for temporary buildings, 511.3 Tents, air-supported structures, requirements, 626.0 Termite protection Approved pressure preservative treatment of wood, 1712.0 Special, 1712.0 Tests Fire, 1303.7 Fireresistance, 903.0 Flameresistance, 904.0 General, 1303.0 New materials and devices, 1300.2

Of automated alarm systems, 1017.8

Of construction equipment, 3002.0 Of electrical systems, 2700.0, 527CMR 12.00(FPR-11) Of sprinkler equipment, 1004.8 Pile capacity, 1214.0 Prefabricated construction, 1303.8 Procedure for soil, 1203.8 Quality of material, 1303.8 Soil bearing values, 1201.0 Structural steel unit, 1801.0 Working stresses, 1304.0 Theaters Aisles, 826.0 Egress requirements, Article 8 Use Group A-1 assembly, 302.0 Thermal insulating materials, 928.0 Thermoplastics, accepted, Article 20 Thermosetting plastics, accepted, Article 20 Towers Cooling, 927.8 Radio and television, requirements, 623.0 Wind loads, 623.4, 1112.0 Travel, length of, to exits, 807.5 Treads, stairs, 816.4 Trim, exterior, 926.0 Trim, interior (see Interior finish and trim) Trusses Individual encasement, 914.1 Roof slabs and arches, 914.4 Roofs, 20 feet or higher, 914.3 Tunnel flame spread test, 903.4.1 Types of construction Type 1, noncombustible, 402.0 Type 2, noncombustible, 403.0 Type 3, combustible, 404.0 Type 4, heavy timber, 405.0 Type 5, combustible, 406.0

U

U, use group, utility and miscellaneous, 311.0 Underpinning, 3005.3 Unfired pressure vessels, 2500.2 Unlimited area, buildings, 504.0 Unsafe structures, 123.0 Use Certificate of occupancy for, 119.0 Chance in existing, 105.2, Art. 32 Continuation of unlawful use, 121.3 Doubtful classification, 312.0 Group classification, 301.0 Of exits, 802.0 Mixed use classification, 313.0 Part change in 105.2 Utilities, public, discontinuance of In demolition of structures, 116.1, 3008.2

V

Validity Of code, 140.1 Vaults, refuse, 2507.0 Veneers Definition, 201.0 For frame construction, 2104.1 Height of, for frame buildings, 2107.3 Metal, 2106.0 Plastic, 2105.0 Stone and tile, 2108.0 Structural glass, 2109.0 Wall facings and 2104.0 Ventilation Attics, 709.1 Court requirements for,710.0 Crawl space, 709.2 Definition, 201.0 For existing buildings, 702.0 Garages, 609.4 General requirements, 700.0 Mechanical, 707.0 Motion picture projection rooms, 613.3 Natural, 708.0 Rear yards for, 7110 Windows, 706.2 Vents Ventilators over stages, 615.2.8 Vent shafts, 915.0 Vertical openings Conveyor openings, 2616.2 Enclosures, 915.0 Violations and penalties Abatements, 121.5 Notice of, 121.2.1 Penalties, 121.4 Stop work, 122.0 Unsafe building, 121.0

W

Wallboard (also see Sheathing) For frame construction, 1704.7 General, 1603.2, 1709.1 Gypsum, 1603.0 Hardboard, 2104.0 Particle board, 1711.0

Plywood, 1710.0 Walls (also see Masonry) Bearing, chases and recesses in, 1413.0 Bearing, lateral bracing of, 1413.0 Bearing, wood frame construction, 1704.1 Bonding of, 1411.0 Concrete masonry units 1405.0 Corbeled and projecting masonry, 1415.0 Definitions, 201.0 Design for wind on vertical surfaces, 1112.0 Ducts in fire walls, 818.0 Enclosures for theater stages, 614.2 Enclosure walls required, 2101.0 Fire and party, 908.0 Fire separation 910.0 Fire wall openings, 909.0 Foundation walls, 1222.0 Glass block, 1420.0 Hollow, 1416.0 Hollow panels, thickness of, 2105.1.1 Lateral support of bearing, 1412.0 Masonry wall construction, 1410.0 Panel, 2105.0 Parapet, 906.6 Penthouse, 927.3 Plain concrete, 1500.2 Proscenium, 615.2.5 Protection of exterior openings in, 907.0 Protection of openings in, 2101.0 Reinforced concrete, 1500.1, 1506.0 Reinforced concrete walls, 1222.2.1 Retaining, 1223.0 Roof structure, 927.0 Shafts enclosure, 915.0 Stone foundation, 1222.2.4 Thickness of panel, 2105.0 Veneers, glass, 2109.0 Veneers, metal, 2106.0 Veneers, plastic, 2105.2 Veneers, thickness of, 2104.1 Veneers, thin and tile, 2108.0 Wall signs, 2910.0 Warehouse Use group, S, storage, 310.0 Waste chutes, 2506.0 Waste to be removed, 3011.0, 114.1.3 Water Supply, definition, 201.0 Supply for fire protection, 1015.0 Supply for plumbing, 2800.0, 248CMR 2.00 Tanks, 927.7 Waterproofing of exterior structural elements,

1224.0 Waterproofing of foundation walls, 1224.4 Welding Safeguards during construction 3020.0 Width Aisles, 810.3 Means of egress doors, 812.3 Stair exit doors, 816.6.1 Units of exit width, 808.1 Winders, 816.4.3 Windload design Buildings, 1112.0 Glass, 2202.1 Radio and television towers, 623.4 Signs, 1112.0, 2907.2.1 Windows Cleaning safeguards, 713.0 Dormer, 927.6 Fire, 917.0 Fireresistive design, 917.1 Glass area required, 704.2, 706.2 Required for light and ventilation, 708.0 Wired glass In fireresistive doors and windows, 919.0 Wood construction At grade protection, 1704.9 Bearing walls, 1704.1 Bracing, 1704.3 Bridging, 1705.3 Cambering, 1701.3.2 Connections, 1701.3.1 Cornices, 926.2.1 Cutting and notching, 1701.3.3 Designated type of, 406.1 Fiber boards, 1709.0 Flashing, 2104.7 Floor sheathing, 1710.3.1 Foundation anchorage, 1704.8 Foundation, general, 1222.0 Framing around flues and chimneys, 1703.3 Header beam, 1701.4 Heavy timber construction, 1702.0 Minimum lumber dimensions, 1701.2 Nailing, 2104.4, 2305.1, Appendix C Nonbearing walls, 1704.2 Piles, 1219.0 Plywood, 1710.0 Quality of materials, 1710.0 Roof sheathing, 1710.3.1, 1706.2 Sheathing lath, 1704.7.1 Shingles and shakes, 2302.1 Spans for plywood sheathing, 1710.3 Stressed skin panels, 1701.0

Structural glued-laminated timber, 2101.1 Structural members, 1701.0 Stud spacing, 1710.3.3 Subfloors, 1710.3.2 Veneer, height of, 2107.3 Veneer, masonry, 2107.1 Veneer, metal, 2106.1 Wall sheathing, 1704.7 Weather boarding, exterior, 2104.1

Work

Start, 12.9 Stop order, 118.0 Working stresses, allowable, 1304.0 Workmanship, 116.1 Written notice Definition, 201.0

Y

Yard Definition, 201.0 Obstruction of, 710.0 Permissible encroachments, 508.0 Rear yards, 711.0 Yard system fire mains, 1016.0

Z

Zoning Definition, 201.0 Restrictions, 101.2