| | TABLE OF CONTENTS | PAG |
|---|--|--|
| Artic | ele 1 ADMINISTRATION AND ENFORCEMENT | |
| Secti | on | |
| 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. | Posting structures Violations Stop-work order Unsafe structures Emergency measures Reserved Board of Appeals Construction Control Construction materials safety board Activities requiring licenses | 1 2 3 3 3 3 4 4 4 5 10 12 12.1 14 14 17 19 19 19 20 20 21 22 23 24 24 24 25 26 33 35 36 36 37 37 37 |
| Artic | le 2 DEFINITIONS AND CLASSIFICATIONS | |
| 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. | General General definitions Use group classification Use group A, assembly buildings Use group B, business buildings Use group F, factory and industrial buildings Use group H, high hazard buildings Use group I, institutional buildings Use group M, mercantile buildings Use group R, residential buildings Use group S, storage buildings | 39 39 82 82 86 89 93 96 99 102 |

| | TABLE OF CONTENTS (continued) | PAGE |
|--|--|---|
| Artic | cle 2 - continued | |
| Sect | ion | |
| 211. 212. 213. 214. 215. 216. 217. 218. | Use group T, temporary and miscellaneous uses Doubtful use classification Mixed use and occupancy Construction classification Type 1, fireproof construction Type 2, noncombustible construction Type 3, exterior masonry wall construction Type 4, frame construction | 108 110 110 110 111 111 111 113 |
| 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. | General Fire limits Restriction within the fire limits Restrictions outside fire limits Existing buildings General area and height limitations Area exceptions Unlimited areas Height exceptions Street encroachments Permissible street projections Permissible yard and court encroachment Special and temporary projections Awnings and canopies Temporary structures Accessibility for the physically handicapped | 117 117 117 120 120 121 123 124 126 126 127 129 129 130 131 |
| Artic 400. 401. 402. 403. 404. 405. 406. 407. 408. 410. 411. 412. 413. 414. 415. | General Explosion hazards Volatile flammable Fire prevention codes Special permits and certificates of fitness Existing buildings Liquefied petroleum gases Pyroxylin plastics Use and storage of flammable film Use and storage of combustible fibers Combustible dusts, grain processing and storage Paint spraying and spray booths Dry cleaning establishemnts Private garages Public garages Motor fuel service stations Motor vehicle repair shops | 132 134 134 135 136 136 137 138 141 145 147 148 149 151 152 |

| | | TABLE OF CONTENTS (continued) | PAGE |
|---|--------------|--|------------|
| | Articl | e 4 - continued | |
| | Section | n | |
| | 417. | Places of public assembly | 156 |
| | 418. | Public assembly other than theaters | 163 |
| | 419. | Amusement parks | 165 |
| | 420. | Stadiums and grandstands | 165 |
| | 421. | Drive in motion picture theatres | 165 |
| | 422. | Tents, air-supported structures and other temporary structures | 166 |
| | 423. | Parking Lots | 167 |
| _ | 424. | Group residence | 167 |
| | 425. | Motels Radio and Aslaniaina Assault | 171 171 |
| | 426. | Radio and television towers | 172 |
| | 427. 428. | Radio and television antennae | 173 |
| | 429. | Swimming pools Open parking structures | 176 |
| | 429. | Fallout shelters | 178 |
| | 430. | High rise buildings | 178 |
| | 432. | Covered malls | 184 |
| | 433. | Nursing homes, rest homes, charitable homes for the aged, con- | |
| | | valescent homes and hospitals | 188 |
| | 434. | Day care centers | 189 |
| | 435. | Summer camps for children | 192 |
| | 436. | Historic buildings | 193 |
| | 437. | Open wells | 197 |
| _ | -438. | Limited Group Residence | 199.1 |
| | 439. | Detoxification Facilities | 199.8 |
| - | 440. | Group Dwelling Units | 199.1 |
| | Articl | e 5 LIGHT, VENTILATION AND SOUND TRANSMISSION CONTROL | |
| | 500. | General | 200 |
| | 501. | Plans and specifications | 200 |
| | 502. | Standards of natural light | 200 |
| | 503. | Standards of natural ventilation | 201 |
| | 504. | Artificial light and ventilation | 201 |
| | 505. | Existing buildings | 201 |
| | 506. | Natural lighting and ventilation of rooms | 202 |
| | 507. | Lighting and venting of special spaces | 203 |
| | 508. | Basements and cellars | 204 204 |
| | 509. | Business and work rooms | 204 |
| | 510. 511. | | 204 |
| | 511. | Rooms of institutional buildings Bath and toilet rooms | 205 |
| | 513. | Stairways and exitways | 206 |
| | 514. | Required fresh air supply | 206 |
| | 515. | Ventilation of shafts other than elevator and dumbwaiter hositways | 207 |
| | 516. | Courts | 207 |
| | 517. | Rear yards | 208 |
| | 518. | Obstruction of courts and yards | 209 |
| | | | |

| | TABLE OF CONTENTS (continued) | PAGE |
|--|--|---|
| Artic | cle 5 – continued | |
| Secti | on | |
| 519. 520. 521. 522. | Fire emergency ventilating system Fire ventilation of open wells Window cleaning safeguards Sound transmission control in residential buildings | 209 211 211 211 |
| | ele 6 MEANS OF EGRESS | 211 |
| | | |
| 600. 601. 602. 603. 604. 605. 606. 607. 611. 612. 613. 614. 615. 616. 617. 618. 620. 621. 622. 623. 624. | General Plans and specifications Use and occupancy requirements Air conditioned buildings Existing buildings Maintenance of exitways Occupancy load Types and location of exitways Capacity of exits Number of exitways Exitway access passageways and corridors Grade passageways used as an exitway element Means of egress doorways Revolving doors Horizontal exits Egress ramps Interior exitway stairways Access to roof Smokeproof enclosures Exterior exitway stairways Moving exitway stairways Fire escapes Slidescapes Exit signs and lights Means of egress lighting | 213 213 213 214 214 215 215 217 218 219 220 221 222 224 225 226 227 232 232 232 232 233 237 238 238 239 239 |
| 625. | Hazards to means of egress | 240 |
| | e 7 STRUCTURAL AND FOUNDATION LOADS AND STRESSES | |
| 700. 701. 702. 703. 704. 705. 706. 707. 708. | General Design safe load Test safe load Design live load Design dead load Existing buildings Uniformly distributed live load Concentrated loads Impact loads | 2 41 2 41 2 41 2 41 2 42 2 42 2 43 2 46 2 47 |
| 709. 710. | Special loads Special consideration for roofs | 247 247 249 |

| | TABLE OF CONTENTS (continued) | PAG |
|--|--|--|
| Arti | cle 7 - continued | |
| Sec | ion | |
| 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. Arti | Wind load Wind load on structures as a whole, and on vertical surfaces of enclosed or partially enclosed structures Wind load on roofs Special configurations, shapes and considerations for wind forces Earthquake load Combination of loads Live load reduction Strength criteria Bearing pressure on foundation materials Subsurface explorations Bearing tests, pile loads tests and settlement analysis Foundations bearing on soil or rock Depth of footings Footing design Timber footings, wood foundations Steel grillages Concrete footings Masonry unit footings Floating foundations Foundation piers Pile foundations Corrosion protection Allowable protection Timber piles Precast concrete piles Cast-in-place concrete piles Concrete-filled pile and tapered tubular piles Concrete-filled pipe with steel core caissons Structural steel piles Composite piles Special piles and caissons Lateral support | 250 260.5 263 264 266 267 286 287 288 289 294 295 297 297 297 298 299 300 300 301 302 304 304 308 310 313 314 316 317 317 317 318 |
| 800. 801. 802. 803. | Basic classification of construction materials Tests Conditions of acceptance | 320 321 321 323 |
| 804. 805. 806. 807. | Approvals Masonry construction units Brick units Structural clay tile units | 324 324 325 325 |
| 808. | Glazed clay masonry units | 325 |

| | TABLE OF CONTE | NTS (continued) | | | PAGE |
|--|--|-----------------|--------|-----|--|
| Article 8 - continued | | | | | |
| Section | | | | | |
| 809. Concrete units 810. Gypsum units 811. Structural glass b 812. Architectural ter 813. Natural stone 814. Cast stone 815. Mortar for mason 816. Concrete aggrega 817. Ready-mix concr 818. Structural wood g 819. Interior lathing a 820. Exterior lathing a 821. Plastering materi 822. Plastic bases 823. Fiber boards 824. Plywood 825. Wallboards and sh | ra cotta ry ites ete glues nd plastering und stucco als | | | | 325 326 327 327 327 327 329 329 329 330 330 331 332 333 334 335 |
| Article 8 PART B CONSTRUCTION | STEEL MASONRY, | CONCRETE, | GYPSUM | AND | LUMBER |
| 826. Structural steel com 827. Formed steel com 828. Steel joist constru 829. Reinforcing steel 830. Cast steel constru 831. Deleted 832. Special steels 833. Light weight meta 834. Masonry wall cons 835. Bonding of walls 836. Lateral bracing of 837. Chases and recess 838. Corbeled and proj 839. Bearing on hollow 840. Plain concrete 841. Reinforced concret 842. Deleted 843. Deleted 844. Deleted 845. Deleted 846. Concrete-filled pi 847. Pneumatic concret 848. Minimum concrete 849. Reinforced gypsur 850. Engineered unrein 851. Reinforced mason 852. Lumber and timbe | struction action al alloys struction f walls ses in bearing walls ected masonry unit walls ete pe columns te e dimensions n concrete forced masonry ry | | | | 336 337 337 337 338 338 338 338 338 340 340 340 341 341 341 341 341 341 341 341 341 342 342 342 343 343 |

| | TABLE OF CONTENTS (continued) | PAGE |
|--|---|--|
| Artic | ele 8 – continued | |
| Secti | on | |
| 853. 854. 855. 856. | Heavy timber type construction Wood frame construction Stress skin panels Structural glued laminated timber and built-up wood construction sele 8 PART C BUILDING ENCLOSURES, WALLS AND WALL THICKNESS | 346 347 352 352 |
| 857. 858. 859. 860. 861. 863. 864. 865. 866. 867. | Structural glass block walls Wall facings and veneers Thin stone and tile veneers Metal veneers Plastics veneers Thickness of solid masonry walls Thickness of panel walls | 353 357 358 359 360 361 361 362 362 363 363 |
| 869. 870. 871. 872. 873. 874. 875. 876. | Deleted | 363 364 365 365 366 366 367 367 |
| 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. | General Plans and specifications Fire Hazard classification Fireresistance tests Flameresistance tests Special fireresistive requirements Exterior walls Fire walls and party walls Fire wall openings Fire separation walls Vertical shafts Fireresistance of structural members Fireresistance rated floor/roof-ceiling assemblies Roof construction Exterior opening protectives | 371 371 371 372 375 376 379 380 381 382 383 385 386 387 387 388 389 390 |

| | TABLE OF CONTENTS (continued) | PAGE |
|---|---|---|
| Ariicl | e 9 - continued | |
| Section | on | |
| 918. 919. 920. 921. 922. 923. 924. 925. 926. | Fireresistive requirements for plaster Firestopping and draftstopping Interior wall and ceiling finish, floor coverings and trim Application of interior finish Combustible materials permitted in floor construction of Type I and Type 2 buildings Decorative material restrictions Exterior trim restrictions Roof structures Roof coverings | 391 392 394 397 398 399 399 400 404 |
| Articl | e 10 CHIMNEYS, FLUES AND VENT PIPES | |
| 1001. 1002. 1003. 1004. 1005. 1006. 1007. 1008. 1009. | General Plans and specifications Performance test and acceptance criteria Chimneys Appliances requiring chimneys Existing buildings Vent systems Fireplaces Incinerators Construction of metal ducts and vents Spark arrestors | 406 407 408 408 408 409 409 410 412 413 413 |
| Articl | e 11 MECHANICAL EQUIPMENT AND SYSTEMS | |
| 1101. 1102. 1103. 1104. 1105. 1106. 1107. 1108. 1109. | General Plans and specifications Inspections and tests Existing buildings Fees Boiler rooms Drying rooms Refuse chutes Refuse vaults Dust, stock and refuse conveyor systems Solid fuel burning heating applicances | 414 414 415 415 415 416 416 416 417 418 |
| Articl | e 12 FIRE PREVENTION SYSTEMS | |
| 1201. 1202. 1203. 1204. | General Plans and specifications Fire suppression systems Suppression system selection Water sprinkler systems Limited area sprinkler systems | 424 426 427 431 433 433 |

ALSO See ATTOCKED Solling Page

TABLE OF CONTENTS (continued)

Article 12 - continued

Section

| 1207. 1208. 1209. 1210. 1211. 1212. | Water spray fixed systems Foam extinguishing systems Carbon dioxide estinguishing systems Halogenated fire extinguishing systems Dry chemical extinguishing systems Standpipe systems Standpipes for buildings under contruction or demolition | 434 435 435 437 438 439 |
|--|--|--|
| | Fire department connections Water supply and other extinguishing supply methods | 442 443 |
| | Yard hydrants | 444.1 |
| | Automatic fire alarm systems Manual fire alarm systems (pull stations) | 444.1 |
| | Supervision Systems (pull stations) | 451 453 |
| Antio | le 12. DRECALITION DURING DUIL DING OPER ATIONS | |
| Artic | le 13 PRECAUTION DURING BUILDING OPERATIONS | |
| | General | 454 |
| | Plans, specification and special permits Tests | 454 455 |
| | Inspection | 455 455 |
| | Maintenance | 455 |
| 1305. | Existing buildings | 456 |
| | Protection of public and workmen | 457 |
| | Excavations | 458 |
| | Regulations of lots | 459 |
| | Retaining walls and partition fences Storage of materials | 459 460 |
| | Removal of waste material | 460 |
| 1312. | Protection of adjoining property | 460 |
| 1313. | Protection of floor and wall openings | 460 |
| | Scaffolds | 461 |
| | Hoists | 462 |
| 1316. | Stairways and ladders | 462 |
| | Lighting Fire Hazards | 463 |
| 120.000 | Health hazards | 463 464 |
| | Welding safety precautions | 464 |
| | Deleted | 465 |
| 1322. | Disputes | 465 |
| Artic | le 14 SIGNS | |
| 1400. | General | 466 |
| | Plans, specifications and permits | 466 |
| 1402. | Exemptions | 467 |
| | Unsafe and unlawful signs | 467 |
| | Existing signs | 468 |
| | Maintenance and inspection | 468 |
| | Bonds and liability insurance | 469 |
| 3/11/ | 90 (Effective 3/1/90) - corrected | 780 CMR - 9 |

| TABLE OF CONTENTS (continued) | PAGE |
|---|---|
| Article 14 - continued | |
| Section | |
| 1407. Gneral requirements for all signs 1408. Ground signs 1409. Roof signs 1410. Wall signs 1411. Projecting signs 1412. Marquee signs 1413. Miscellaneous and temporary signs 1414. Illuminated signs 1415. Portable signs | 469 470 471 471 472 472 472 473 473 |
| Article 15 ELECTRICAL WIRING AND EQUIPMENT | 474 |
| Article 16 ELEVATOR DUMBWAITER AND CONVEYOR EQUIPMENT INSTALLATION AND MAINTENANCE | 475 |
| Article 17 PLUMBING AND GAS FITTING | 476 |
| Article 18 MANUFACTURED BUILDINGS, BUILDING COMPONENTS AND MOBILE HOMES | 477 |
| 1800. General 1801. Approval 1802. Certification 1803. Reciprocity 1804. Assurance inspection 1805. Responsibility of the local enforcement agencies 1806. Suspension and revocation of certification | 477 478 478 478 479 480 480 |
| Article 19 LIGHT-TRANSMITTING PLASTIC CONSTRUCTION | |
| 1900. General 1901. Design and installation 1902. Glazing of unprotected openings 1903. Exterior panel walls 1904. Roof panels 1905. Skylight assemblies 1906. Light-diffusing systems 1907. Partitions 1908. Bathroom accessories | 482 483 484 484 486 487 488 488 |
| 1909. Awnings and similar structures 1910. Greenhouses | 488 489 |
| Article 20 ENERGY CONSERVATION | |
| 2000. General 2001. Administrative 2002. Existing buildings 2003. Plans and specifications | 491 491 491 492 |
| 5/11/90 (Effective 3/1/90) - corrected | 780 CMR - 10 |

| TABLE OF CONTENTS (continued) | PAGE |
|--|---|
| Article 12 - continued | |
| Section | |
| 1206. Water spray fixed systems 1207. Foam extinguishing systems 1208. Carbon dioxide estinguishing systems 1209. Halogenated fire extinguishing systems 1210. Dry chemical extinguishing systems 1211. Standpipe systems 1212. Standpipes for buildings under contruction or demolition 1213. Fire department connections 1214. Water supply and other extinguishing supply methods 1215. Yard hydrants 1216. Automatic fire alarm systems 1217. Manual fire alarm systems (pull stations) 1218. Supervision | 434 435 435 437 438 439 441 442 443 444.1 451 453 |
| Article 13 PRECAUTION DURING BUILDING OPERATIONS | |
| 1300. General 1301. Plans, specification and special permits 1302. Tests 1303. Inspection 1304. Maintenance 1305. Existing buildings 1306. Protection of public and workmen 1307. Excavations 1308. Regulations of lots 1309. Retaining walls and partition fences 1310. Storage of materials 1311. Removal of waste material 1312. Protection of adjoining property 1313. Protection of floor and wall openings 1314. Scaffolds 1315. Hoists 1316. Stairways and ladders 1317. Lighting 1318. Fire Hazards 1319. Health hazards 1320. Welding safety precautions 1321. Deleted 1322. Disputes | 454 454 455 455 455 456 457 458 459 459 460 460 460 460 461 462 462 463 463 464 464 |
| 1322. Disputes Article 14 SIGNS | 465 |
| 1400. General 1401. Plans, specifications and permits 1402. Exemptions 1403. Unsafe and unlawful signs 1404. Existing signs | 466 466 467 467 468 |

| TABLE OF CONTENTS (continued) | PAGE |
|---|---|
| Article 14 - continued | |
| Section | |
| 1405. Maintenance and inspection 1406. Bonds and liability insurance 1407. Gneral requirements for all signs 1408. Ground signs 1409. Roof signs 1410. Wall signs 1411. Projecting signs 1412. Marquee signs 1413. Miscellaneous and temporary signs 1414. Illuminated signs 1415. Portable signs | 468 469 469 470 471 471 472 472 472 473 473 |
| Article 15 ELECTRICAL WIRING AND EQUIPMENT | |
| Article 16 ELEVATOR DUMBWAITER AND CONVEYOR EQUIPMENT INSTALLA AND MAINTENANCE | ATION |
| Article 17 PLUMBING AND GAS FITTING | |
| 1800. General 1801. Approval 1802. Certification 1803. Reciprocity 1804. Assurance inspection 1805. Responsibility of the local enforcement agencies 1806. Suspension and revocation of certification | 477 478 478 478 479 480 480 |
| Article 19 LIGHT-TRANSMITTING PLASTIC CONSTRUCTION | |
| 1900. General 1901. Design and installation 1902. Glazing of unprotected openings 1903. Exterior panel walls 1904. Roof panels 1905. Skylight assemblies 1906. Light-diffusing systems 1907. Partitions | 482 483 484 484 486 487 488 488 |
| 1908. Bathroom accessories 1909. Awnings and similar structures 1910. Greenhouses | 488 488 489 |
| Article 20 ENERGY CONSERVATION | |
| 2000. General 2001. Administrative 2002. Existing buildings 2003. Plans and specifications | 491 491 491 492 |

| | TABLE OF CONTENTS (continued) | PAGE |
|---------|--|------------|
| Artic | e 20 - continued | |
| Section | on | |
| 2004. | Materials and equipment | 492 |
| 2005. | Design conditions | 492 |
| 2006. | Building insulation specifications | 495 |
| 2007. | Air infilitration and moisture control | 497 |
| | Component design | 498 |
| 2009. | Exterior envelope requirements for low rise residential building | 500 |
| 2010. | Heating ventilating and air conditioning (HVAC) systems | 502 |
| 2011. | Heating, ventilating and air conditioning equipment | 512 |
| 2012. | Electrical power distribution | 515 |
| 2013. | Lighting systems | 516 |
| 2014. | Building envelope requirings for commercial and high rise | |
| | residential building | 522.1 |
| 2015. | Building design by sytems analysis | 522.3 |
| 2016. | Building utilizing solar, geothermal, wind, or other non- | |
| | depletable energy sources as alternative designs | 522.3 |
| Artic | le 21 ONE AND TWO FAMILY DWELLING | |
| | | |
| | General | 523 |
| | Building planning | 544 |
| | Foundations | 554 |
| | Wall construction | 561 |
| | Wall covering | 584 |
| | Floors | 592 |
| 2106. | Roof-ceiling construction | 603 |
| | Roof coverings | 616 |
| | Chimneys, fireplaces and connectors pipes | 623 |
| 2109. | Solid fuel burning heating appliances | 634 |
| 2110. | Mechanical equipment general | 639 |
| | Combustion air | 647 |
| | Warm-air furnaces | 649 |
| 2113. | Vented decorative applicances, floor furnaces, vented wall | CEO |
| 0111 | furnaces and vented room heaters | 653 |
| | Venting of appliances | 655 |
| | Ducts Comfort coaling | 658 661 |
| | Comfort cooling | 001 |
| 2117. | Absorption units and absorption systems for comfort cooling | 662 |
| 2110 | and comfort heating | |
| | Fuel supply systems | 663 663 |
| | Energy conservation by component design | |
| | Building insulation Ventilation | 664 667 |
| | | 668 |
| 2122. | Vapor barriers | |
| 2123. | U-values of building components | 668 |
| 2124. | Air leakage for all buildings | 670 |
| 2125. | System design heating/cooling capacity | 671 |

| | TABLE OF CONTENTS (continued) | PAGI | | |
|---|--|-------------------|--|--|
| Artic | le 21 – continued | | | |
| Section | on | | | |
| 2128. | Balancing Duct insulation Pipe insulation Reference Standards Index to Tables and Figures General Index | 673 674 674 | | |
| Article 22 REPAIR, ALTERATION, ADDITION AND CHANGE OF USE OF EXISTING BUILDINGS | | | | |
| 2201. 2202. | Scope Definitions Implementation Requirements for continuation of the same use group or change | 685 687 687 | | |
| 2204. | to a use group of equal or lesser hazard index Requirements for change in use group to one hazard index greater | 388 690 | | |
| 2206. 2207. | Requirement for change in use group to two or more hazard indices greater Compliance alternative Energy provisions for existing buildings Other Code Sections pertaining to repair alteration or change of use of existing buildings | 692 692 693 | | |
| | en M | -00 | | |