

BUILDING CODE

Index by Page

	Page
-- A --	
ACCESSORY BUILDINGS AND SHEDS (Group J)	62
A.C.I. (AMERICAN CONCRETE INSTITUTE) MANUAL	311
Adoption of _____	3
ADDITIONS, Fire Protection Facilities for _____	29
ADMINISTRATION BUILDINGS (City, County or State):	35
Group A _____	38
Group B _____	47
Group C _____	32
AIRCRAFT HANGARS (Group E)	16
AISLES: (For Public Assemblage Buildings)	15
ALTERNATE MATERIALS, Use of _____	3
ALTERNATE TYPES OF CONSTRUCTION, Use of _____	2
ALTERATIONS AND REPAIRS, Minor _____	62
ALTERATIONS AND REPAIRS, Excess of 50% _____	172
AMUSEMENT PARK STRUCTURES (Group J)	173
ANCHORAGE REQUIREMENTS, Ordinary _____	57
ANCHORAGE OF WEB REINFORCEMENT _____	16
APARTMENT HOUSES (Group H)	5
APPEALS WHEN USE OF ALTERNATE MATERIALS OR DESIGN REFUSED BY BUILDING INSPECTOR _____	5
ARCHITECTURAL PLANS REQUIRED _____	29
ARMORIES:	35
Group A _____	38
Group B _____	44
Group C _____	29
ASYLUMS (Group D)	35
AUDITORIUMS:	38
Group A _____	29
Group B _____	35
Group C _____	38
AWNINGS:	292
Requirements for _____	293
Permit for _____	294
Construction details _____	296
Construction over sidewalks _____	281
-- B --	
BALCONY OVER PUBLIC PROPERTY _____	280
BARRICADES While Construction In Progress _____	252
BASEMENT PIPE INLETS _____	234
BAYS AND BALCONIES _____	190
BEAMS AND GIRDERS _____	165
BEAM, CONCRETE, Lateral Support for _____	284
BILLBOARDS AND GENERAL ADVERTISING SIGNS _____	127
BLOCK, HOLLOW CONCRETE, Specifications _____	299
BOARD OF APPEALS _____	16
BOARD OF EXAMINERS AND APPEALS _____	146
BOARD OF EXAMINERS FOR SPECIAL CONSTRUCTION _____	243
BOILERS, Power or Steam _____	34
BOILER ROOMS, Separation of:	37
Group A _____	43
Group B _____	46
Group C _____	59
Group D _____	171
Group H _____	205
BOND STRESS IN BEAMS _____	255
BONDS, Solid Masonry Walls _____	47
BONDS, Solid Masonry Walls _____	32
BOOTHs, Motion Picture _____	125
BOX FACTORIES (Group E) _____	126
BOXES, THEATRE, Seating Capacity (Group A) _____	13
BRICK:	2
Shale or Burned Clay _____	27
Sand-Lime _____	5
Concrete _____	305
BUILDINGS:	3
Condemnation of _____	13
Existing _____	2
Location on Property _____	27
Moving of _____	5
Estimate of Cost (Table) _____	305
BUILDING INSPECTOR:	3
Removal of Safety Devices Authorization _____	13
Powers and Duties of _____	312
BULKHEADS, Plate Glass Windows _____	47
BUS STATIONS (Group E) _____	47

- C -

	Page
CEILING HEIGHTS (Buildings in Group I).....	62
CEMENT, PORTLAND, Specifications.....	151
CEMENT AND AGGREGATES, Storage of.....	12
CERTIFICATE OF COMPLIANCE.....	12
CERTIFICATE OF OCCUPANCY.....	12
CHASES AND RECESSES.....	206
CHIMNEYS.....	236
CHIMNEYS, Patent.....	240
CHURCHES:	
Group A.....	29
Group B.....	35
Group C.....	38
CLUBS:	
Group A.....	29
Group B.....	35
Group C.....	38
COLD STORAGE BUILDINGS (Group G).....	54
COLUMNS, Allowable Unit Stresses for.....	139
COLUMNS AND WALLS, Reinforced.....	180
COLUMNS, Composite.....	182
COLUMNS, Combination.....	183
COMBUSTIBLE MATERIALS REGULATED:	
Type I Buildings.....	96
Type II Buildings.....	101
Type III Buildings.....	106
CONCRETE AGGREGATES, Specifications.....	151
CONCRETE:	
Curing.....	159
Mix, Specifications.....	155
Mixing and Placing.....	158
Proportions and Consistency.....	154
Plain, Specifications.....	126
Quality (Water-Cement Ratio).....	152
Reinforced.....	146
Unit Stresses Allowable.....	155
CONVENT (Group H).....	57
CORRIDORS AND PASSAGEWAYS.....	229
COST OF BUILDING, Estimate of (Table).....	305
CREAMERIES (Group G).....	54

- D -

DANCE HALLS:	
Group A.....	29
Group B.....	35
Group C.....	38
DEAD LOAD, Definitions.....	120
DEFINITIONS.....	19
DOOR PROTECTION, Type II Constructions.....	100
DOORS.....	231
DORMITORIES (Group H).....	57
DRAINS, GREASE, Required for Public Garage or Service Stations.....	51
DRAINS, GREASE, Required for Public Garage or Service Stations.....	221
DRY CLEANING PLANTS (Group E).....	47
DUCTS, Warm Air.....	244
DUMBWAITER, Construction and Maintenance.....	289

- E -

ELEVATORS:	
Construction and Maintenance.....	289
Freight and Passenger Combination Prohibited.....	291
Operator Required to Have Certificate of Competency.....	290
ENGINEERING SUPERVISION, Required.....	10
EXCAVATIONS.....	199
EXCAVATIONS UNDER SIDEWALK.....	282
EXIT LIGHTS (Group G).....	33
EXIT SIGNS AND LIGHTING.....	229

- F -

FACTORIES AND WORKSHOPS:	
Using Materials Not Highly Inflammable.....	51
Using Incombustible and/or Non-explosive Materials.....	54
FEE, BUILDING PERMIT.....	304
FENCES, FOUNDATION FOR.....	309
FENCES, OVER FIVE FEET HIGH (Group J).....	62
FILM, MOTION PICTURE.....	257
FIRE DISTRICT NO. 1.....	65
FIRE DISTRICT NO. 2.....	66

	Page
FIRE DISTRICT NO. 3 Includes all territory not included in DISTRICT 1 OR 2.	
FIRE ZONE NO. 1 RESTRICTIONS	87
FIRE ZONE NO. 2 RESTRICTIONS	89
FIRE ZONE NO. 3 RESTRICTIONS	90
FIRE EXTINGUISHING APPARATUS	247
FIRE DOORS, Shutters and Windows	270
FIREPLACES	241
FIRE RESISTIVE CONSTRUCTION (Type I)	92
FIRE RETARDANT ROOFING	273
FIRE RESISTIVE CONSTRUCTION DEFERRED	261
FIRE RESISTIVE CONSTRUCTION STANDARDS	262
FIRE SEPARATION CHART	28
FIRE STOPS	143
FIRE WALLS (Solid Masonry)	214
FIRE WALLS (Hollow Masonry)	215
FLEXURAL Formulas for	164
FLOOR CONSTRUCTION (General)	220
FLOOR CONSTRUCTION:	
Type I	94
Type II	100
Type III	104
FLOOR CONSTRUCTION, Wood Frame	115
FLOOR CONSTRUCTION, Fire Resistive	268
FLOOR JOISTS, Maximum Span (Chart)	310
FLOOR JOISTS, Maximum Span (Chart)	116
FLOORS:	
Basement	124
Concrete, Reinforced	169
Ribbed, Construction	166
Steel Joisted	220
Mill Constructed	221
Wood Joisted	221
Public Toilet	221
FOUNDATION WALLS AND FOOTINGS, Dimensions for	
Private Residence	109
FOUNDATIONS MUST CURE 12 HOURS	309
FOUNDATION WALL VENTS	111
FOUNDATION WALL VENTS (Type II)	145
FOUNDATIONS FOR WOOD FRAME BUILDING	110
FOOTINGS, Sloped or Stepped	184
FOOTINGS AND FOUNDATIONS	199
FRAMING DETAILS:	
Vertical Members	140
Horizontal Members	140
Stud Walls and Partitions	142
Roof Framing	143
Trusses	143
FURNACES, Warm Air	241
- G -	
GARAGE APARTMENT (Group I)	50
GARAGES, ATTACHED:	
Construction Requirements	61
Ventilation Required	64
Not to Open Into Living or Sleeping Quarters	84
To Residences	119
Ventilation	164
GARAGE, Private (Group J)	62
GARAGE, Private (More than 3 Cars)	64
GARAGES, Public (Group E)	47
GARAGES, Public (More than 10 Cars)	65
GARAGES, Public:	
Not Type V Construction	50
Not Type III if over Two Stories	50
Limited Size for Type IV Constructions	50
Drains, Grease, Required	51
GAS RANGES, Domestic	243
GAS RANGES, Restaurants and Hotels	244
GAS SERVICE:	
Group A	34
Group B	37
Group C	43
Group D	46
GASOLINE SERVICE STATIONS (Group E)	47
GAS VENTS	238
GIRDERS AND BEAMS (Iron and Steel)	190
GLASS, Plate Window	312
GLASS VENEER	212
GUARD RAILS for Windows	232
GUNITE, Type V Buildings	114

	Page
GYMNASIUMS:	
Group A	29
Group B	35
Group C	38
GYPSUM, Specifications	128
— H —	
HOSPITALS (Over six patients) (Group D)	44
HOSPITALS (Not more than six Patients) (Group I)	60
HOT PLATES	243
HOTELS (Group H)	57
— I —	
ICE PLANTS (Group G)	54
INCINERATORS	246
INFLAMMABLE LIQUIDS, Definition of	47
INFLAMMABLE LIQUIDS, Storage Prohibited:	
Group A	34
Group B	37
Group C	43
Group D	46
INFLAMMABLE LIQUIDS, Storage Permitted in	
Group E	47
INFLAMMABLE LIQUIDS, Storage Permitted Under Special	
Restrictions:	
Group F	53
Group G	56
Group H	59
INFLAMMABLE LIQUIDS Not to be Stored or Used in Group I	
Buildings in Excess of One Gallon	61
INFLECTION, Point of (Slabs)	177
INSPECTIONS BY BUILDING INSPECTOR	9
INSPECTION, FINAL, Before Certificate of Occupancy is	
Written	10
INSPECTION OF CONCRETE WORK by Architect or Engineer	
Responsible for Design	150
INSPECTIONS REQUIRED:	
Foundation, Framing, Stucco, Final	10
INSPECTOR, Registered, to be Bonded	11
IRON AND STEEL, Construction Details	194
IRON AND STEEL, Quality and Design	186
— J —	
JAILS (Group D)	44
— L —	
LATTICE (Steel and Iron)	194
LIBRARIES:	
Group A	29
Group B	35
Group C	38
LIVE LOAD, Definition	120
LIVE LOADS, Posted	124
LIVE LOADS, Unit	121
LOAD, SPECIAL CONSIDERATIONS	120
LODGES:	
Group A	29
Group B	35
Group C	38
LUMBER, Pressure Treated	
(Brush Coat Not Approved)	112
LUMBER, Specifications for Wood Frame Building	112
LUMBER, Structural:	
Allowable Unit Stresses (Table I)	136
Allowable Unit Stresses (Table II)	137
Timber Columns and Compression Members, (Table III)	138
LUMBER YARD	134
LUMBER, Other	135
— M —	
MAINTENANCE OF BUILDINGS	3
MARQUISE OVER PUBLIC PROPERTY	281
MASONRY BUILDINGS, Ordinary (Type III)	102
MASONRY, Quality of Materials and Tests Required	125
MASONRY VENEER (Type V Construction)	114
MATTRESS FACTORIES (Group E)	47
METAL REINFORCEMENT FOR CONCRETE	151
METER ROOMS REQUIRED:	
Buildings of Multiple Occupancy	27
Group A	35

	Page
Group B	38
Group C	44
Group D	47
Group E	51
Group F	54
Group G	56
Group H	60
Group I	62
MEZZANINE FLOORS	96
MILLS, PLANING (Group E)	47
MOMENT COEFFICIENTS:	
Beams and Slab, equal spans	167
Beams and Slabs, unequal spans	168
MOMENTS in Interior Panels	175
MOMENTS to be Used in Design of Flat Slabs	175
MONASTERIES (Group H)	57
MORTARS, Specifications	130
MOTION PICTURE BUILDINGS:	
Group A	29
Group B	35
Group C	38
MOTION PICTURE MACHINE BOOTHS	255
MUSEUMS:	
Group A	29
Group B	35
Group C	38
— N —	
NURSERIES (Group D)	44
OCCUPANCY CLASSIFICATION	25
OCCUPANCY, MIXED, Groups to be Separated by Fire Wall	25
OCCUPANCY PERMITS for Changed Floor Loading	124
OFFICE BUILDINGS (Group F)	51
OIL BURNERS	244
OLD PEOPLES HOMES (Group H)	57
ORPHANAGES (Group D)	44
— P —	
PAINING PROTECTION of Structural Metal	198
PAINT AND PETROLEUM STORAGE (Group E)	47
PAINT SHOPS (Group E)	47
PANEL STRIPS AND PRINCIPAL DESIGN	174
PANELS With Marginal Beams	178
PARAPET WALLS, Height of	215
PARAPET WALLS Around Shafts Extending Through the Roof:	
Type I Construction	93
Type II Construction	98
Type III Construction	104
PARAPETS, Wood Frame Construction	143
PARTITIONS:	
In Fire Resistive Buildings	92
In Buildings of Heavy Timber Construction	98
In Ordinary Masonry Buildings	104
In Wood Frame Buildings	115
Framing Detail	143
Fire Resistive	265
Resistance Periods	266
Bearing	216
Non-Bearing	216
PASSAGEWAY AND CORRIDORS	229
PASSENGER STATIONS:	
Group A	29
Group B	35
Group C	38
PENTHOUSES:	
Type I	95
Type II	101
PENTHOUSE Considered Additional Story	61
PENTHOUSES, Permitted Uses of	235
PENALTY FOR VIOLATIONS	297
PENALTIES AND VIOLATIONS	17
PERMITS, Application for	4
PERMIT, ISSUANCE OF, Not Approval for Violation of Code	19
PERMITS FOR SIGNS	285
PERMIT, Expiration Date	19
PILES, WOOD	200
PINS AND PIN HOLES	195

	Page
PLANS, APPROVAL OF:	
By Plumbing Division; Electrical Division; Zoning Dept.;	
Health Dept.	4
PLANING MILLS (Group E)	47
POLICE STATIONS, Municipal (Group F)	51
POWER PLANTS (Group G)	54
PORCHES AND EXTERIOR BALCONIES (Type I)	95
POSTER BOARDS	287
PRISONS (Group D)	44
PRIVY, FLYPROOF, REQUIRED ON CONSTRUCTION	309
PROJECTIONS FROM BUILDINGS:	
Type I	95
Type II	101
Type III	105
PROJECTIONS OVER PUBLIC PROPERTY	281
PROSCENIUM CURTAIN:	
Operating Equipment	259
Tests	260
New Designs	260
PUBLIC PROPERTY, Permanent Occupancy of	281
PUMPING PLANTS (Group G)	54

- B -

RAILINGS (Stairs)	226
RAMPS, General Information	229
RAMPS, Enclosure of:	
Group A	34
Group B	37
Group C	42
RAMPS INSTEAD OF STAIRS (Hospitals)	45
RAMPS FOR AUTOMOBILES	49
REFORMATORIES (Group D)	44
REINFORCEMENT, Limiting Percentages	176
REINFORCEMENT, WEB, Types of	170
RESIDENCES (Group I)	60
RESTAURANTS (Group F)	51
RESTAURANTS (Group H)	57
RIVETS AND BOLTS	193
RIVETS, Spacing of	192
ROOFING, Aluminum	313
ROOF COVERING, Not Over 25% Minor Repair	3
ROOFING, NEW, Over Existing Roofs	3
ROOFING OVER EXISTING WOOD SHINGLE ROOF PROHIBITED	3
ROOF CONSTRUCTION (Type II)	100
ROOF CONSTRUCTION, General	222
ROOF AND CEILING JOIST, Maximum Span (Chart)	117
ROOF AND JOIST, Maximum Span (Chart)	311
ROOF COVERING, Wood Frame Construction	119
ROOF COVERINGS, General	273
ROOF FRAMING	143
ROOF FRAMING, Wood Frame Construction	118
ROOFING, Fire Retardant	273
ROOFINGS, Ordinary	276
ROOF LOADS	122
ROOFING, Method of Laying	274
ROOFING, Steel	313
ROOF, Sheathing (Zone 1)	96
ROOF, Temporary	277
ROOMING HOUSE (Group H)	57

- S -

SANITARIUMS (Over 6 Patients) (Group D)	44
SANITARIUMS (Not Over 6 Patients) (Group I)	60
SCHOOLS:	
Group A	29
Group B	35
Group C	38
SET BACKS:	
Group A	29
Group B	36
Group C	39
Group D	45
Group E	48
Group F	52
Group G	55
Group H	58
Group I	60
Group J	63
SEATING CAPACITY To Be Posted	124
SEATS, Spacing of	32

	Page
SHAFTS, Enclosed:	
Group D	46
Group E	49
Group F	53
Type V	119
SHEATHING REQUIRED, Wood Frame Building	112
SHINGLES OR SHAKES	113
SHRINKAGE AND TEMPERATURE REINFORCEMENT in	
Floor and Roof Slabs	168
SIGNS:	
Across Street	286
Construction and Maintenance	283
Electric Roof signs	288
Inspection of signs	286
Permit for signs	285
SILLS REQUIRED	111
SKYLIGHTS	233
Skylights, Type No. I	95
SLABS, FLAT, Limitations of	173
SLABS, FLAT, Openings In	179
SMOKE PIPES AND THIMBLES	240
SMOKESTACKS	237
SOLAR HEATERS	246
SPAN LENGTH, Beams and Slabs	164
SPRINKLER, AUTOMATIC, Requirements	248
STADIUMS (Group J)	62
STAGES AND PLATFORMS:	
Group A	29
Group B	252
Accessory Rooms	253
Floors	254
Exits	254
Ventilators	252
Switchboard	254
STAIRWAYS:	
Arrangement and Access	224
Doors Not to Open Into	225
Enclosures	227
To One Apartment or Mezzanine	230
In Group I, Not to be Enclosed	61
Type I Construction	95
Exits:	
Group A	29
Group B	36
Group C	41
Group D	45
Group E	48
Group H	59
Type II Construction	100
Lighting	226
Landing	226
When Required	228
Outside	231
Railing	226
STAND PIPE REQUIREMENTS	249
STAND, REVIEWING (Group J)	62
STEAM HEATING PLANTS, Low Pressure	243
STEAM BOILERS	254
STEEL CONSTRUCTION MANUAL ADOPTED	199
STEEL, COMPRESSION, in Flexural Members	168
STEEL AND IRON, Quality and Design	186
STEEL AND IRON, Construction Details	194
STIRRUPS (Concrete)	170
STONE, CAST, Specifications	129
STORAGE AND SALES ROOMS for Combustible Goods	
(Group F)	51
STORAGE AND SALES ROOMS for Incombustible and Non-	
explosive Materials	51
STORES, Wholesale and Retail (Group F)	51
STORM SHUTTERS	232
STOVES (All types)	243
STREETS, Temporary Use of	279
STRESSES, WORKING, Allowable	130
STRESS AT BASE OF COLUMNS, Transfer of	185
STRUCTURAL FRAMEWORK:	
Type I	93
Type II	98
Type III	104
STRUCTURAL MEMBERS, WOOD, Determination of Size	134
STRUCTURAL MEMBERS, Fireproofing of:	
Type I	93

	Page
Type II	99
Type III	104
STRUCTURAL PARTS, Protection of (Table).....	263
STUCCO, Frame	113
STUCCO, Metal	114
STUDDING, Frame Building	110
STUD WALL, Framing Details	143

- T -

T-BEAMS, Requirement for	165
TANKS, Installation on Roofs	235
TENTS, Temporary Structures	63
TENSION in Footings, Shear and Diagonal	171
TERMITE, Isolation (Wood Frame)	112
TERMITE PROVISIONS	15
TERMITE PROVISIONS	144
TEST, FIELD, of Concrete	154
TEST, LOAD, When Required by Building Inspector	150
TESTS, MASONRY	125
TESTS, CONCRETE	149
TEST, WATER-CEMENT RATIO	154
THEATRES:	
Group A	29
Group B	35
Group C	38
TILE, HOLLOW CLAY, Specifications.....	129
TOILET, PUBLIC, Floors of.....	221
TOILETS, Required:	
Group A	33
Group B	36
Group C	42
Group D	46
Group E	49
Group F	53
Group G	56
Group H	59
Group J	64
TOWERS (Group J)	62
TOWERS AND SPIRES	235
TOWERS, SMOKEPROOF	223
TOWERS, SMOKEPROOF	230
TYPES OF CONSTRUCTION:	
Type I Fire-Resistive	92
Type II Heavy Timber	97
Type III Ordinary Masonry	102
Type IV Metal Frame	106
Type V Wood Frame	108

- U -

UNDERTAKING PARLORS (Group F)	51
UNIT LIVE LOADS	121
UNIT STRESSES ALLOWABLE (Lumber)	134
UNIT STRESSES ALLOWABLE (Steel and Iron)	187
USE CHANGE, Approved by Building Inspector	2
USE, CHANGE IN, Building Must Conform With Code for That Group	25
USE CHANGE IN, Exceptions to	25
U-TYPE BLOCK Not Permitted in Reinforced Concrete Column	311
U-TYPE BEAM BLOCK, Minimum Span and Reinforcing Required	311

- V -

VAULTS UNDER SIDEWALK	282
VENTS, FOUNDATION, Required in Wood Frame Building	111
VENTS, FOUNDATION WALL	145
VENTILATION AND SANITATION:	
Group A	33
Group B	36
Group C	42
Group D	46
Group E	49
Group F	53
Group G	56
Group H	59
Group I	61
Group J	64
VIOLETIONS AND PENALTIES	17