

INDEX

A

ABS PIPE	
Where permitted	Table 605.3, Table 605.5, Table 702.1, Table 702.2, Table 702.3, Table 702.4
ACCESS TO	
Cleanouts	708
Fixtures	405.2
Interceptors and separators	1003.10
ACCESSIBLE PLUMBING FACILITIES	404
AIR ADMITTANCE VALVES	
Definition	202
Where permitted	917
AIR BREAK	
Definition	202
Method of providing	802.1.5, 802.1.6, 802.1.7, 802.2
Required	802.2.2
AIR GAP	
Definition	202
Method of providing	608.15.1, 802.2.1
Required	608.15.1, 802.1, 802.1.1, 802.1.2 802.1.3, 802.1.4, 802.1.5, 802.1.6, 802.1.7
AIR TEST	312.3, 312.5, 312.7
APPROVED	
Definition	202
ASBESTOS-CEMENT PIPE	
Where permitted	Table 702.2, Table 702.3
ATMOSPHERIC VACUUM BREAKER	Table 608.1, 608.13.6, 608.15.4, 608.15.4.1, 608.16.5
AUTOMATIC CLOTHES WASHER	406

B

BACKFILLING	306.3
BACKFLOW PREVENTER	
Definition	202
Required	608.1
Standards	Table 608.1
BACKFLOW PROTECTION	608.1
BACKWATER VALVES	
Where required	715
BALL COCK (see FILL VALVE)	
BAROMETRIC LOOP	608.13.4
BATHTUBS	407
BEDPAN STEAMERS	202
BEDPAN WASHERS	202

BIDETS	408
BOOSTER SYSTEM	606.5
BOTTLING ESTABLISHMENT	1003.7
BRASS PIPE	
Where permitted	Table 605.3, Table 605.4, Table 605.8, Table 702.1
BUILDING DRAIN	
Branches of	Table 710.1(2)
Definition	202
Material	Table 702.1, Table 702.2
Sizing	Table 710.1(1)
BUILDING DRAINAGE SYSTEMS	
Below sewer level	712.1
BUILDING SEWER	
Definition	202
Material	Table 702.3
Sizing	Table 710.1(1)
BUILDING SYSTEMS	
Connection to public water and sewer	701.2
BUILDING TRAPS	1002.6

C

CAST-IRON PIPE	
Materials	Table 702.1, Table 702.2, Table 702.3, Table 702.4
CAULKING FERRULES	705.18
CHANGE IN DIRECTION OF DRAINAGE PIPING	Table 706.3
CHEMICAL WASTE	
Exclusion from the sewer	803.3
Neutralizing	803.2
Requirements	702.5
CHLORINATED POLYVINYL/PIPE OR TUBING	
Where permitted	Table 605.3, Table 605.4
CIRCUIT VENT	911
CLAY PIPE	Table 702.3
CLEANOUTS	
Base of stack	708.3.4
Building drain	708.3.1, 708.3.5
Change of direction	708.3.3
Clearances	708.8
Definition	202
Direction of flow	708.5
Horizontal drains	708.3.1
Location of	708.3
Manholes	708.3.6

INDEX

Plugs, materials for 708.2
 Prohibited installation of. 708.6
 Sewers 708.3.2
 Size 708.7, 708.8

CODE OFFICIAL
 Definition 202

COMBINATION DRAIN AND VENT SYSTEM 912

COMBINED DRAIN 202

COMMON VENT 202, 908

CONCRETE PIPE
 Where permitted. Table 702.3

CONDUCTOR 202

**CONNECTION TO PLUMBING SYSTEM
 REQUIRED** 701.2

CONNECTIONS TO SUMPS AND EJECTORS
 Below sewer level 712.1

CONSERVATION
 Fixtures 604.4
 Flow rates. Table 604.3
 Insulation 505, 607.2.1

CONTROLLED FLOW STORM DRAINAGE. 1110

COPPER OR COPPER-ALLOY PIPE OR TUBING
 Where permitted Table 605.3, Table 605.4

CROSS CONNECTIONS 608

**CUTTING OR NOTCHING, STRUCTURAL
 MEMBERS** 307.2, Appendix F

D

DEAD ENDS IN DRAINAGE SYSTEM. 704.5

DETRIMENTAL WASTES 302

DISHWASHING MACHINE 409

DISINFECTION OF POTABLE WATER SYSTEM. . 610

DISTANCE OF TRAP FROM VENT Table 906.1

DISTRIBUTION SYSTEM (see WATER)

DRAIN
 Roof 1105
 Storm 1106

DRAINAGE FIXTURE UNITS
 Definition, fixture unit 202
 Values for continuous flow 709.3
 Values for fixtures. Table 709.1

DRAINAGE SYSTEM
 Connection to sewer or private
 disposal system 701.2
 Dead ends 704.5
 Determining load and size 710.1
 Fixture units Table 709.1
 Indirect waste 802
 Joints. 705
 Materials 702
 Material detrimental to 302

Offset sizing 711
 Provisions for future fixtures 710.2
 Sizing Table 710.1(1), Table 710.1(2)
 Slope of piping Table 704.1
 Sumps and ejectors 712
 Testing. 312

DRINKING FOUNTAINS 410

E

EJECTORS 712

EMPLOYEE FACILITIES. 403.4

F

FACILITIES 403

FAUCETS. 424

FERRULES 705.18

FILL VALVE 425.3.1

FITTINGS
 Drainage system. 706
 Material standards 605.5, Table 605.5,
 702.4, Table 702.4

FIXTURE FITTINGS. 424

FIXTURE TRAPS. 1002
 Acid-resisting 1002.9
 Building 1002.6
 Design of 1002.2
 For each fixture 1002.1
 Prohibited. 1002.3
 Seals 1002.4
 Setting and protection 1002.7
 Size 1002.5

FIXTURE UNITS
 Definition. 202
 Values for continuous flow 709.3
 Values for fixtures 709.1, Table 709.1

FIXTURES (see PLUMBING FIXTURES)

FLOOD LEVEL RIM. 202

FLOOD-RESISTANT CONSTRUCTION
 Design flood elevation. 202
 Flood hazard area. 202
 Flood hazard resistance 309

FLOOR DRAINS 412, Table 709.1

FLOOR DRAINS, EMERGENCY. 202

FLOOR FLANGES. 405.4.1, 405.4.2

FLOW RATES. 604.3, Table 604.3
 Table 604.4, 604.10

FLUSHING DEVICES
 Flush tanks 425.2, 425.3, 604.3, 604.5
 Flushometer tanks 425.3, 604.3, 604.5
 Flushometer valves. 425.3, 604.3
 Required 425

FOOD HANDLING DRAINAGE 802.1.1
FOOD WASTE GRINDER 413
FREEZING, PROTECTION OF PIPES 305.6
FROST CLOSURE 904.2
FUTURE FIXTURES 704.4

G

GALVANIZED STEEL PIPE Table 605.3,
 Table 605.4, 605.18
GARBAGE CAN WASHERS 414
GARBAGE DISPOSALS 413
GENERAL REGULATIONS 301
 Conflicts 301.7
 Connection to plumbing system 301.3
 Connection to public water and sewer . . 301.3, 301.4
 Elevator machinery rooms 301.6
 Materials detrimental 302, 302.1, 302.2
 Piping measurements 301.5
 Protection of pipes 305
 Rodentproofing 304, 304.1, 304.2, 304.3, 304.4
 Sleeves 305.4
 Strains and stresses in pipe 308
 Trenching, excavation and backfill 306
 Washroom requirements 310
GREASE INTERCEPTORS AND TRAPS . . . 202, 1003
 Approval 1003.3.4
 Capacity Table 1003.3.4.1,
 1003.4.2.1, 1003.4.2.2
 In commercial buildings 1003.5
 Not required 1003.3.3
 Required 1003.1
GUTTERS 1106.6, Table 1106.6

H

HANGERS AND SUPPORTS
 Attachment to buildings 308.4
 Base of stacks 308.9
 Definitions 202
 Material 308.3
 Seismic 308.2
 Spacing Table 308.5
HEALTH AND SAFETY 101.3
HEALTH CARE PLUMBING 422, 609, 713
HEAT EXCHANGER PROTECTION 608.16.3
HORIZONTAL
 Slope for drainage pipe 704.1
HOSPITAL PLUMBING FIXTURES 422
 Clinical sinks 422.6
 Height of special controls 422.10
 Sterilizer equipment 422.9

HOT WATER

Definition 202
 Flow of hot water to fixtures 607.4
 Heaters and tanks Chapter 5
 Recirculating pump 607.2.3
 Supply system 607
HOUSE TRAP 1002.6

I

INDIRECT WASTE 802
 Air gap or break 802.2.1, 802.2.2
 Food handling establishment 802.1.1
 Receptors 802.3
 Special wastes 803
 Waste water temperature 803.1
 Where required 802.1
INDIVIDUAL VENT 907
INSPECTOR (see CODE OFFICIAL)
INSULATION 505, 607.2.1
INTERCEPTORS AND SEPARATORS 1003
 Access to 1003.10
 Approval of 1003.2, 1003.4
 Bottling establishments 1003.7
 Capacity of grease interceptors Table 1003.3.4.1
 Definition 202
 Laundries 1003.6
 Not required 1003.3.3
 Oil and flammable liquids separators 1003.4
 Rate of flow control for grease interceptors . . 1003.3.4.2
 Required 1003.1
 Slaughterhouses 1003.8
 Venting 905.4, 1003.9
IRRIGATION, LAWN 608.16.5
ISLAND FIXTURE VENT 913

J

JOINTS AND CONNECTIONS 605, 705
 ABS plastic pipe 605.10, 705.2
 Asbestos-cement pipe 605.11, 705.3
 Between different materials 605.23, 705.4, 705.16
 Brass pipe 605.12, 705.4
 Brazed joints 605.12.1, 605.14.1,
 605.15.1, 705.9.1, 705.10.1
 Cast-iron pipe 705.5
 Caulked joint 705.5.1, 705.11.1
 Concrete pipe 705.6
 Copper or copper-alloy pipe 605.14, 705.9
 Copper or copper-alloy tubing 605.15, 705.10
 CPVC plastic pipe 605.16
 Expansion joints 308.8

INDEX

Galvanized steel pipe 605.18
Mechanical joints 605, 705
Polybutylene plastic pipe or tubing 605.19
Polyethylene plastic pipe or tubing 605.20
Prohibited. 605.9, 707
PVC plastic pipe 605.21, 705.14
Slip joints 405.8, 1002.2
Soldered joints. 605.14.3, 605.15.4,
705.9.3, 705.10.3
Solvent cementing 605, 705
Stainless steel 605.22
Threaded 605.10.3, 605.12.3, 605.14.4,
605.16.3, 605.18.1, 605.21.3, 705.2.3,
705.9.4, 705.12.1, 705.14.3
Vitrified clay pipe 705.15
Welded 605.12.4, 605.14.5, 703.4.4, 705.9.5

K

KITCHEN 418

L

LAUNDRIES 1003.6
LAUNDRY TRAY 415
LAVATORIES 416
LEAD PIPE. 202
LEADERS 1106
**LIGHT AND VENTILATION
REQUIREMENT**. 310.1
LOADING, FIXTURE UNIT VALVE Table 709

M

MANHOLES. 708.3.6
MANIFOLDS. 604.10

MATERIAL

Above-ground drainage and vent pipe . . . Table 702.1
Building sewer pipe 702.3
Building storm sewer pipe 1102.4
Chemical waste system. 702.5
Fittings Table 605.5, Table 702.4,
Table 1102.7
Identification. 303.1
Joints. 605, 705
Roof drains 1105
Sewer pipe 702.3
Standards Chapter 13
Storm drainage pipe. Table 1102.4
Subsoil drain pipe 1102.5
Underground building drainage and vent pipe. . 702.2
Vent pipe 702.1, 702.2
Water distribution pipe Table 605.4
Water service pipe Table 605.3

MATERIAL, FIXTURES

Quality 402.1
Special use 402.2

MATERIAL, SPECIAL

Caulking ferrules 705.18
Cleanout plugs. 708.2
Sheet copper 402.3
Sheet lead 402.4
Soldering bushings 705.19

MECHANICAL JOINTS

. 605, 705

N

NONPOTABLE WATER. 608.1, 608.8

O

OFFSETS

Definitions 202
Drainage 711
Venting 915.1

OPENINGS

Through walls or roofs 305.5, 305.7

P

PIPING

Drainage, horizontal slope Table 704.1
Drainage piping installation. 704
Drainage piping offset, size 711
Joints. 605, 705

PIPING PROTECTION

Backfilling. 306.3
Breakage 305.2
Corrosion 305.1
Footings 305.5
Freezing 305.6
Penetration. 305.5
Tunneling 306.4

PLUMBING FACILITIES

PLUMBING FIXTURES

Accessible. 404
Automatic clothes washers 406
Bidet 408
Clearances. 405.3
Definition. 202
Dishwashing machine. 409
Drainage fixture unit values Table 709.1
Drinking fountain. 410
Emergency showers. 411
Eyewash stations 411
Floor sinks. 427
Floor and trench drains. 412

Food waste grinders 413
 Future fixtures 704.4
 Garbage can washer 414
 Garbage disposal 413
 Hospital 422
 Installation 405
 Joints at wall or floor 405.5
 Kitchen sink 418
 Laundry tray 415
 Lavatories 416
 Minimum facilities Table 403.1
 Ornamental pools 423.1
 Quality 402.1
 Separate facilities 403.2
 Settings 405.3
 Showers 417
 Sinks 418
 Slop sinks 418
 Urinals 419
 Water closets 420
 Water coolers 410
 Water supply protection 608
PLUMBING INSPECTOR (see CODE OFFICIAL)
PNEUMATIC EJECTORS 712
POLYBUTYLENE PIPE OR TUBING
 Where permitted Table 605.3, Table 605.4
POLYETHYLENE PIPE OR TUBING
 Cross-linked Table 605.3, Table 605.4
 PE-AL-PE Table 605.3, Table 605.4
 PEX-AL-PEX Table 605.3, Table 605.4
POTABLE WATER, PROTECTION OF 608
PRESSURE OF WATER DISTRIBUTION 604.6
PROHIBITED
 Joints and connection 605.9, 707
 Traps 1002.3
PROTECTION OF POTABLE WATER 608
PUMPING EQUIPMENT 712
PVC PIPE Table 605.3, Table 605.4,
 Table 702.1, Table 702.2, Table 702.3

Q

QUALITY OF WATER
 General 608.1

R

RAINWATER DRAINAGE Chapter 11
REDUCED PRESSURE PRINCIPLE
BACKFLOW PREVENTER
 Definition 202
 Periodic inspections 312.9

Standard Table 608.1, 608.13.2, 608.16.2
 Where required 608.15.2, 608.16.2,
 608.16.4, 608.16.4.1,
 608.16.5, 608.16.6
RELIEF VALVES 504.4, 504.5, 504.6
 Definition 202
RELIEF VENT 911.4, 914, 916.2
 Definition 202
ROOF DRAINS 1102.6, 1105
 Definition 202

S

SANITARY SEWER (see BUILDING SEWER)
SANITARY TEES 706.3
SCREWED JOINTS (see JOINTS AND CONNECTIONS)
SEPARATE FACILITIES 403.2
SERVICE SINKS Table 403.1, 418
SEWER (see BUILDING SEWER)
SHEET COPPER 402.3
SHEET LEAD 402.4
SHOWERS Table 403.1, 417
SILL COCK 424, 608.15.4.2
SINKS 418
SIZING
 Drainage system 710
 Fixture drain 709
 Fixture water supply 604.5
 Vent system 916
 Water distribution system 604
 Water service 603.1
SLAUGHTERHOUSES 1003.8
SLEEVES 305.4
SLIP JOINTS (see JOINTS AND CONNECTIONS)
SOLDERING BUSHINGS 705.19
SOLVENT CEMENTING (see JOINTS AND CONNECTIONS)
SPECIAL PLUMBING FIXTURES 423
SPECIAL WASTES 803
STACK VENT 903.1
STAINLESS STEEL PIPE Table 605.4, Table 605.5
STANDARDS
 Material Chapter 13
STANDPIPE DRAIN 802.4
STEEL PIPE (see also MATERIAL)
 Where permitted Table 605.4, Table 702.1,
 Table 702.2, Table 702.3,
 Table 1102.4, Table 1102.5
STERILIZER PIPE 422.9
STORM DRAINS
 Building size 1106.1
 Building subdrains 1112.1

Building subsoil drains 1111.1
 Conductors and connections 1104
 Definition 202
 General 1101
 Prohibited drainage 1101.3
 Roof drains 1102.6, 1105
 Secondary roof drains 1107
 Sizing of conductors, leaders and storm drains . 1106
 Sizing of roof gutters 1106.6
 Sizing of vertical conductors and leaders . . . 1106.2
 Traps 1103
 Values for continuous flow 1109
 Where required 1101.2
STRAPS (see HANGERS AND SUPPORTS)
STRUCTURAL SAFETY 307, Appendix F
SUBDRAIN BUILDING 1112.1
SUBSOIL DRAIN PIPE 1111.1
SUMP VENT 916.5
SUMPS 1113
SUPPORTS (see also PIPING PROTECTION) . . . 308
SWIMMING POOL
 Definition 202
SWIMMING POOL DRAINAGE 802.1.4

T

TEMPERATURE AND PRESSURE
RELIEF VALVE 504
TEMPERATURE OF WASTE WATER 803.1
TEST
 Drainage and vent air test 312.3
 Drainage and vent final test 312.4
 Drainage and vent water test 312.2
 Forced sewer test 312.7
 Gravity sewer test 312.6
 Required tests 312.1
 Test gauges 312.1.1
 Test of backflow prevention devices 312.9
 Test of conductors 312.8
THERMAL EXPANSION CONTROL 607.3
THREADED JOINTS (see JOINTS AND CONNECTIONS)
TOILETS (see WATER CLOSETS)
TRAPS
 Acid-resisting 1002.9
 Building 1002.6
 Design 1002.2
 Prohibited types 1002.3
 Seal 1002.4
 Separate for each fixture 1002.1
 Size Table 709.1, Table 709.2
TRENCH DRAINS 412

TRENCHING, EXCAVATION AND BACKFILL 306
TUNNELING 306.4

U

UNDERGROUND DRAINAGE AND VENT PIPE 702.2
URINALS 419

V

VACUUM BREAKERS Table 608.1, 608.13.5, 608.13.6, 608.13.8, 608.15.4
VALVES
 Air admittance 202, 917
 Backwater 715
 Definition 202
 Pressure reducing 604.8
 Relief 202, 504.4
 Temperature-actuated flow reduction valves . . . 424.5
 Transfer valves 424.6
VENT
 Individual 907
 Sizing 904.2, 908.3, 910.4, 912.3, 916.1, 916.2
VENT RELIEF SIZE 914
VENT STACK
 Definition 202, 903.2
VENTS AND VENTING
 Branch vents 916.4.1
 Circuit or loop 911
 Combination drain 912
 Common 908
 Definition 202
 Distance from trap Table 906.1
 Engineered systems 918
 Island fixture 913
 Stack vents 903.1
 Vent stack 903.2
 Vent terminal 904
 Waste stack 910
 Wet vent 909

W

WALL HUNG WATER CLOSETS 420
WASHING MACHINES 406
WASTE
 Indirect 802
 Special 803
WASTE STACK 910
WASTE WATER TEMPERATURE 803.1
WATER
 Booster 606.5

Cross connection 608.6
Distribution piping material. Table 605.4
Excessive pressure 604.8
Hammer 604.9
WATER CLOSETS 420
WATER CONSERVATION
 Fixtures 604.4
 Flow rates. Table 604.4
WATER HEATERS Chapter 5
WET VENT 909
WIPED JOINTS 705.13.2

