

INDEX

- Abandoned grease traps, M104.15
- Above ground piping, 303.8.4, 611.2, 703.3, 903.3, 1103.1
- Accessibility, backwater valves, 704.7.5
 - cleanout plugs, 710.3, 710.4, 710.5
 - expansion joints, 309.6
 - floor drains, 1001.4
 - interceptor, 1004.8
 - single stack system, L104.8, L104.10
 - slip joints, 401.5.2, 401.5.3
 - water heaters, 501.7
- Acid, soil & waste piping,
 - 304.1, 308.5, 409.4, 703.6, 706.6
 - system vent, 903.6
- Administration, Chapter 1
 - enforcement, 102.1, 102.3
 - fees, Appendix H
 - inspections and tests, 104, 311, 311.6, 1203, B108.14, C107.6, D108
 - permits, 102.4, 103
 - severability, 106
- Air break (drainage system),
 - defined, 202
 - indirect waste, 806.2
- Air chamber, 607.8
- Air gap (drainage system),
 - defined, 202
 - indirect waste, 806.1
- Air gap (water distribution)
 - defined, 202, D102,
 - cross connection control, 606.1, D103
- Airlock, B102
- Alterations and repairs, 301.5
- Alternate designed plumbing systems, Chapter 12
- Alternate materials and methods, 102.7
- Anchors, hangers and supports, 310
- Anti-siphon devices, 507.1
- Approved, defined, 202
- Approved materials, 405, 717.9
- Area drain, defined, 202
- Asbestos cement pipe, 1101.5
- Attachment, hangers and anchors, 310
 - horizontal piping, 310.5
 - vertical piping, 310.2
- Automatic flush valves, 409.13.5
- Automatic flushing tank, 409.11.1
- Auxiliary pressure, supplementary tank, 607.5
- Back-siphonage, 202, Appendix D
- Back-to-back fixtures, 914.3
- Backfill, material, Appendix I
 - trenching and excavation, 305
- Backfilling, 305.4
- Backflow, 606.1, Appendix D
 - air gap preventer for, 606, Appendix D
 - cross connection, defined, 202, D102
 - defined, 202, D102
 - preventer, 202, 606, D102
- Backwater valve, 1101.5,
 - 1101.8, 704.7, 409.4.1.3
- Bar and soda fountain sink traps, 907
- Baskets and strainers, 807.1.2, 409.3, M108
- Bathrooms, venting for double, 911.2
 - venting for multistory groups, 911.3
 - venting for one, 912
 - venting for single groups, 911.1
- Battery fixtures, defined, 202
- Battery venting, 914.1, 920.3, Table 920.3
- Boiler blow-off, defined, 202
- Borosilicate glass pipe and fittings,
 - 303.7.6, 310.2.7, 310.3.7
- Bottling plants, 1004.10.2
- Branch, defined, 202
 - fixture, 202, 1112.1
 - gradients, single stack systems, 922.5.2
 - horizontal, 202, 913.1
 - interval, defined, 202
 - vent, defined, 202
- Brazed joints, 612.4
- Brazing or welding, 309.4
- Building, defined, 202
 - other than dwelling, 610.4
 - storm sewer, 202, 1103.4
 - subdrain, 202, 1101.5
 - trap (house), defined, 202
- Building drain system, Chapter 7
 - above-ground piping within building, 703.3
 - below sewers, 717.1
 - defined, 202
 - materials, 703
 - piping in raceways or tunnels, 703.3
 - sizing, 714
 - underground piping within Buildings, 703.4
- Building sewer, 704
 - cleanouts, 704.5
 - defined, 202
 - materials, 703
 - sizing, 714
 - test, 311.4
- Building storm drains, defined, 202
 - size, Table 1108.2
 - underground, 1103.2
- Building classification, defined, 202
- Burned lead joints, 311.7
- Bushings, soldering, 303.7.4
- Calculation of size of water distribution system, 607
- Cast iron soil pipe, 303.7.1, 308.3, 707.3, 804
 - base support, 310.2.2
 - elastomeric compression gasket, 706.4
 - hangers 310.2.2, 310.3.2
 - joints, 309.1, 309.2
 - no-hub, 706.5
 - support intervals, 310.2.2
- Cast iron water pipe, 603, 608.1, 608.2, 611
- Caulked joints, 706.2
- Caulking ferrules, 303.7.3
- Cement mortar joints, 308.6
- Change in direction, 307.1
- Character of water, 601.9
- Circuit and loop venting, 914, 920.3, Table 920.3
- Circuit vent, 202, 920.3
- Circular-type sink, 409.7.1
- Clay pipe, 703, 1103.3
- Clay sewer pipe joints, 707.1
- Cleaning, indirect waste pipe, 805.2
 - plumbing fixtures, 403.1
- Cleanout, 303.7.6, 710.6, 710
 - accessibility, 710.4, 710.5
 - clearances, 712
 - size, 711
- Cleanouts on building sewers, 704.5
- Clear-water wastes, 807.2
- Clearances, cleanout, 712
- Close-coupled tanks, 409.13.4
- Code, remedial, 101.2

Color code, 605
 Combination waste & vent system,
 defined, 202, L103
 Combination compartment, defined, B102
 Combination fixture, defined, 202
 Combining storm with sanitary
 drainage, 1106.3
 Commercial, building grease traps/interceptors,
 1004.4, Appendix M
 dishwashing machine, 804.2
 grinders, 1004.11.1
 installations-interceptors, 1004, Appendix M
 type grinders-food wastes, 409.5.2
 Common vent, 202, 909, 909.2
 Concealed piping, 710.3
 Concrete sewer pipe, 703, 707.2
 Condemned equipment, 301.9
 Condensers and sumps, 807.3
 Conductor, defined, 202
 inside, 1103.1
 pipes prohibited, 1106.1
 protection of, 1106.2
 trap location, 1105.5
 Conductors and connections, 1106
 Connection, to plumbing system required, 301.11
 backflow, defined, 202, D102
 drainage system, 717.8
 fittings prohibited, 307.3
 indirect waste, 804.3
 plumbing fixtures, 408.4.2, 401.5.2
 sumps and ejectors, 717
 vent, 906, 914.2, 919
 water heater, 506, 601.10
 Continuous flow valves, 713.3
 Continuous vent, defined, 202
 Continuous waste, defined, 202
 Controls of water supply, 610
 Copper, DWV drainage tube, 703, 903
 sheet, 303.7.2
 tube, 310.2.4
 tubing to threaded pipe joints, 612.7.1
 tubing, 310.2.4, 310.3.4
 water tube, 603, 608, 611, 612.6
 Corrosion and breakage, 304.1
 Cross connection, 202, Appendix D
 Cross flow, prevention, single stack systems, L104.5.4
 Crown vent, 908.4
 Cutting or notching, 306.2

 Damage to drainage system or public sewer, 710.7
 Dead end, defined, 202
 Defective plumbing test, 311
 Definitions, Chapter 2, 302, 402, 502, 602, 702,
 802, 902, 1002, 1102
 for backflow control, D102
 for mobile homes, B102, C102
 Demand loads, 714
 Design, drinking fountains, 409.2.1
 plumbing fixtures, 408.4.1
 single stack systems, L104.3, L104.6, L105
 sumps and ejectors, 717
 Developed length, defined, 202
 Devices-energy shutoff, 507.4
 Direction of flow, 710.4
 Discharge, food waste grinders, 1004.11
 garbage can washers, 409.3
 single stack systems, L104.3
 Dishwashing machine, 409.1.1, 409.1.2
 commercial, 804.2
 protection, 409.1.1.1, 409.1.2.1
 separate trap for, 409.1.1.2, 409.1.2.2

 Disinfection of potable water system piping, 601.8
 commercial, 606
 protection, 409.2.2, 606
 Disposal units, 409.5.1
 Distance, fixture trap from vent, Table 908.1
 trap to fixture, 1001.9
 trap to stack, single stack systems, Table L104.6B
 Distribution of water supply, 61
 Double bath, 911.2
 Double offset, defined, 202
 Double trapping, 1001.6
 Downspout or interior leader test, 311
 Downspout, defined, 202
 Drain and sewer combination, 1106.3
 Drain and sewers, building, 714.1
 Drain and water connections, 409.9.1
 Drain, 202, 609.7
 building below sewers, 717.1
 building, 202, Chapter 10
 cock, 614.1
 fixture, 202, 1003
 floor, 409.4, 717, 1106.4
 hose, B102, B110.2
 outlet, 8102, 8109.1
 roof, 202, 1107
 sediment, 501.5
 storm, 202, 1101.4
 Drainage, below sewer level, 301.1
 materials, 703, 1103, 1107.1
 pipe installations, 705
 required, storm, 1101.2
 requirements, 703.1
 system, defined, 202
 vent system test, 311
 Drainage piping, defined, 202
 offset, 715
 underground, 714.4
 Drainage system, sizing, 714
 Drainage system, Chapter 7
 building sewer, 704
 connections, 717.8
 determination of sizes, 714
 drainage piping installation, 705
 fittings or connections, 309, 707
 fixture units, 713
 floor drains, 717
 frost protection, 701.6
 materials, 703
 offsets in drainage piping, 715
 sumps and ejectors, 717
 unions, 1001.7
 Drains and storm sewers combined, 1106.3
 Drinking fountains, 409.2, 807.4
 design and construction, 409.2
 protection of water supply, 409.2.2
 Drips, 804.5
 Drum traps, 1003.4
 Duplex equipment, 717.5
 Durham system, defined, 202
 DWV copper drainage tube, 703, 903, 1103

 Effective opening, defined, 202
 Ejectors and sumps, 717
 Elastomeric compression gasket joints, 706.4
 Energy shutoff devices, 507.4
 Equipment, condemned, 301.9
 used or second hand, 301.8
 water heating, 401.2, Ch. 5
 water pumping and storage, 609
 Excavations, backfill and trenching, 305
 Existing buildings, 301.5.1, 101.4
 Existing work, defined, 202

Expansion joints, 309.6, 1101.4
Extensions through wall, 905.6
Exterior openings, 301.7.1

Fees, Appendix H
Final test, 107, 311, 1203
Fines, 102.1, 107
Fittings, 307
 and sewer pipe, 303.8, 703
 drainage system, 703.5
 or connections prohibited, 709.2
 supply, 601.5
 vent, 903.5
Fixture drain, defined, 202
 type and size, 1003
Fixture outlets, and strainers, 408.3
 minimum pressure, 607.4
Fixture overflow, 408.4
Fixture trap, 1001.8
 distance to vent, 908.1
 vents for, 910
Fixture unit, 202, 713
 flow rate, defined, 202
 per fixture or group, Table 713.1
Fixtures and connections prohibited, 401.5
Fixtures back-to-back, in battery, 914.3
Fixtures, 401.5.1
 at different levels, 910.2
 branch, 202, 1112.1
 combination, defined, 202
 layouts, single stack systems, 1203
 not listed, Table 713.2
 plumbing, Chapter 4
 quality of, 405
 setting, 403.4
 supply size, 607.3
 values for, 713.1
 vents, 908
Flag poling, 905.4
Flared joints, 612.3
Flashings for roof drains, 1107.4
Flashings for vent terminals, 905.3
Flat decks, 1107.3
Float valves, 409.13.3
Flood, level rim, defined, 202
Floor drains, 409.4, 717
 must be trapped, 1106.4
 public restrooms, 409.4.1
 size, Table 713.1
 traps and strainers, 409.4.2
Floor flanges, 303.7.5
Flow, direction 710.4
 obstruction, 307.5
Flush valve, defined, 202
Flush valve-automatic, 409.13.5
Flushing, device, 409.13.2
 tanks, automatic, 409.11.1
Flushometer valve, defined, 202
Food waste grinder units, 409.5
 commercial, 1004.11
 discharge, 1004.11
Food grinder, 1004.11
Food handling, 804.1
Freezing, 304.4
Frost, closure, 905.2
 protection, 701.6
Frostproof closet, defined, 202
Future fixtures, 714.3

Garbage can washers, 409.3
Grade, 202, 906.1
 connections for vents, 906

 horizontal drainage piping, 705.1
Gravity and suction tanks, 609.8
Grease interceptor, 1004, Appendix M
 defined, 202, Appendix M
 garbage can washer, 409.3
Grease trap, defined, 202, Appendix M
Grinders, commercial-type, 409.5.2
 food waste, commercial, 1004.11
 food waste, sinks waste outlets, 408.2
 food waste, units, 409.5
Ground joint brass connections, 612.7.2

Hangers and anchors, 202, 310
Hangers and supports, Chapter 3
 base of stacks, 310.5
 defined, 202
 general, 310.1
 horizontal piping, 310.3
 repair or replacement, 310.4
 strains and stresses, 310.1.1
 vertical piping, 310.2
Header vent, 919
Health and safety, 301.5.2
Heel or side inlet bend, 307.4
Historic buildings, 101.5
Horizontal branch, 202, 913.1
Horizontal drainage, piping, 705.1, 705.2, 705.3
Horizontal fixture branches and stacks, Table 714.2
Horizontal pipe, defined, 202
Horizontal piping supports, 310.3.1
Horizontal piping, 310.3
Horizontal storm drain size, 1108.2
Hospital plumbing systems, G101
Hot water, distribution piping, 601.10
 for dishwasher, 409.1.3
 supply, 601.10
House drain, defined, 202
House sewer, defined, 202
House trap, defined, 202
Hydraulic gradient, 910.1

Identification, of materials, 303.4
Identification, of piping, 605
Improper location of piping and fixtures, 404.2
Increasers and reducers, 307.6
Independent mobile home or travel trailer, B102
Indirect waste pipe, 202, 804
 cleaning, 805.2
 connections, 804.3
 material and size, 803
Indirect waste piping & special wastes, Chapter 8
 air break, 806
 air gap, 806
 backflow preventer, 806
 clear water wastes, 807.2
 condensers & sumps, 807.3
 drinking fountains, 807.4
 indirect waste piping, 804
 length, 805
 material & size, 803
 receptors, 807.1
 swimming pools, 807.5
Individual conductor trap size, 1105.4
Individual fixture reventing, 913
Individual or private sewage disposal system, 202, 701.
Individual relief & circuit & loop vents, 914, 916
Individual vent size, 920.2, 920.3
Individual vent, 202, 909.1
Individual venting required, 913.2
Industrial wastes, defined, 202
Inlet coupling, B102 Inside conductors, 1103.1

Inspector, plumbing, defined, 202
 Installation, plumbing fixtures, 403
 unsafe, 102.5
 vent stacks, 904.1
 waste receptors, 807.1.1
 Intercepting devices, 1004.10.1.2
 Interceptor, approval, 1004.1, Appendix M
 commercial, 1004.10.1
 defined, 202
 laundry, 1004.10.1.1, Appendix M
 maintenance, 1004.12, Appendix M
 oil, 1004.5, Appendix M
 required, 1004, Appendix M
 sand, 1004.6, Appendix M
 separators, 1004
 approval, 1004
 slaughter houses, 1004.10.3, Appendix M
 water connection, 1004.9
 Interceptors-separators, accessibility of
 interceptors, 1004.8
 backwater valves, 704.7
 bottling establishments, 1004.10.2, Appendix M
 commercial grinders, 1004.11
 grease interceptors, 1004.4, Appendix M
 interceptors & separators, 1004, Appendix M
 laundries, 1004.10.1, Appendix M
 maintenance, 1004.12, Appendix M
 oil separators, 1004.5, Appendix M
 sand interceptors, 1004.6, Appendix M
 slaughter houses, 1004.10.3, Appendix M
 venting interceptors, 1004.7
 Interceptors-separators,
 Chapter 10, Appendix M
 Interior leader or downspout test, 107, 311.5
 Interior openings, 301.7.2
 Intermediate waste holding tank, B102

Joints and connections, General 309
 increasers & reducers, 307.6
 prohibited joints & connections, 709
 sanitary drainage, 706
 special joints, 612.7
 tightness, 308.1
 type of joints, 308, 612, 709
 unions, 1001.7
 use of joints, 309, 707
 water closets, ped. urinal & trap, 708
 water supply, 612
 Joints, borosilicate glass joints, 706.6
 brazed, 612.4
 burned lead, 308.7
 caulked, 706.2
 cement mortar, 308.6
 elastomeric compression gasket for cast
 iron soil pipe, 706.4
 expansion, 309.6
 flared, 612.3
 hubless cast iron soil pipe system, 706.5
 plumbing fixtures, 403.2
 precast, 308.5
 slip, 309.5, 401.5.2, 401.5.3
 soldered, 612.2
 solvent cement joints for plastic
 pipe and fittings, 308.8
 special, 612.7
 threaded, 308.2
 tightness of, 308.1
 types, 309, 612, 708
 wiped, 308.3

Kitchen sink-waste stack, 716

Large pipe, cleanout, 712.2
 underground, 711.2
 Large piping horizontal drainage, 705.3
 Laundry, interceptors, 1004.10.1.1, Appendix M
 tray, waste outlet, 409.6.1
 Lavatory, 408.1, 607
 waste outlet, 408.1
 water usage, 406
 Lead, 303.7.1
 pipe, 310.2.5
 to cast-iron or steel, 309.2
 Leader, defined, 202
 storm drain size, 1108
 Length, indirect waste piping, 805
 trailer or mobile home, B102
 vent stacks, 920.1
 vent, 920
 Liability, 103, 107
 Light and ventilation, 404.1
 Line valves, 614.2
 Liquid waste, defined, 202
 Load factor, defined, 202
 Loop and circuit venting, 914
 Loop vent, defined, 202, 920.3
 Low pressure cutoff, 607.6

Main, defined, 202
 Main sewer, defined, 202
 Main stack, 904.3
 Main trap, 1105.1
 Main vent, 202, 904.3
 Main vents connect at base, 918
 Maintenance, interceptors, 1004.12
 mobile home park, C111
 plumbing fixtures, 101.3.5
 travel trailer park, B111
 Mandatory water supply, 301.11.2
 Manhole covers, 710.7
 Materials, approved, 303, 603, 703
 backwater valves, 704.7
 design of pipe cleanouts, 710.1
 drainage system, 703
 hangers and anchors, 310.4.1
 labor for tests, 104
 mobile home parks, C105
 plumbing fixtures, Ch. 4
 plumbing installations, 303, 603, 703
 quality and weight, 303
 roof drains, 1107.1
 specific type drainage, 703.2
 specific type vents, 903.2
 specifications, 303.3
 sterile, 804.4
 storm drain, 1103
 travel trailer parks, B106
 vents and venting, 903
 water distribution pipe, tubing & fittings, 611
 water service pipe, 608
 May, defined, 202
 Mechanical excavation, 305.3
 Minimum, size of fixture-supply pipe, 607.3
 size of soil & waste stacks, 714.2
 size of water distribution system, 607.1
 facilities, 407
 pressure at fixture outlets, 607.4
 standards, 303.1
 velocity, 705.4
 Mobile home, C102
 connections-responsibility, C109
 of travel trailer park, B110, B111
 Multiple wash sinks, 409.7
 Multistory bathroom groups, 911.3

Noise and hazard, 607.8
Nonpotable water, 202, 605.2
Notching or cutting, 306.2
Nuisance, defined, 202

Obstruction to flow, 307.5
Offset, defined, 202
 double, 202
 drainage piping, 715
 of 45 degrees or less, 715.1
 reliefs for vents, 917.3
 return, defined, 202
 vents, 917
Offsets, above highest branch, 715.2
 less than 45° from horizontal
 in buildings five or more stories, 917
 below lowest branch, 715.3
 more than 45 degrees, 715.4
Oil separators, 1004.5, Appendix M
Old house sewers and drains, 704.4
Open trenches, 305.2
Openings, exterior, 301.7.1
 interior, 301.7.2
Overflow, 408.4
 fixture, 408.4
 laundry tray, 409.6

Parks, mobile homes and travel trailers, B102
Penalties and violations, 107
Permit, 103
 failure to obtain, 103
 fees, Appendix H
Person, defined, 202
Pipe capacities, single stack systems, L104.5
Pipe cleanouts, concealed piping, 710.3
 direction of flow, 710.4
 large pipe, 712.2
 location, 710.2
 material and design, 710.1
 new fixtures prohibited, 710.5
 size, 711
Pipe, asbestos cement, 1101.5
 borosilicate pipe and fittings, 303.7.6, 310.2.7, 310.3.7
 cast iron soil pipe, 310.2.2, 804
 horizontal, 310.3
 inlet and outlet, E105.6
 large, 711.2, 712.2
 lead, 310.2.5, 310.3.5
 plastic pipe and fittings, 303.8, 603, 703, 903
 protection, 304
 small, 711.1, 712.1
 waste, defined, 202
Pipes through footings or foundation walls, 304.3
Piping, close to footings, 304.5
Piping, concealed, 710.3
 horizontal, 310.3
 identification, 605
 in concrete, 310.5
 material, 303, 603, 703
 small, 705.2
 subject to freezing, 304.4, 701.6
 support of, 305.1
 vertical, 310.2
Pitch or grade, defined, 202
Plans and specifications, B104, C104, 1202.1, K101.3, M103.3
Plastic, pipe & fittings, 303.8
 materials, 303, 603, 703
Plumber, responsibility, 103, 107
Plumbing fixture, Chapter 4
 alternate materials, 102.7
 cleaning, 403.1
 connection, 408.4.2
 defined, 202
 dishwashing machine, 409.1
 drinking fountain, 409.2
 floor drains, 409.4
 food waste grinder units, 409.5
 garbage-can washers, 409.3
 installation, 403
 joints, 403.2
 laundry trays, 409.6
 lavatories, 408.1
 minimum facilities, 407
 multiple wash sinks, 409.7
 overflows, 408.4
 prohibited fixtures & connections, 401.5
 requirements, 405
 shower receptors & compartments, 409.8
 sinks, 408.2
 special fixtures & specialties, 409.9
 strainers & fixture outlets, 408.3
 urinals, 409.11
 washing machines for residences, 409.12
 water closets, 409.13
Plumbing installation,
 hot water storage, Ch. 5
 materials, 303, 603, 703
 standards for mobile homes and
 mobile home parks, C101
 standards for travel trailers and parks, B101.1
Plumbing official, 202
 powers and duties, 102
 qualifications, 202
Plumbing system, connection required, 301.11
 defined, 202
Plumbing, defined, 202
Pneumatic ejectors, 915
Pool, swimming, 807.5
Potable water, acceptable sources, 604.2
 defined, 202
 supply protection, 606
 system piping disinfection, 601.8
Power & duties of plumbing official, 102
Precast joints, 308.5
Pressure, marking of storage tank, 501.8.2
 variable street, 607.7
 minimum, 607.4
Pressure relief valves, 507.3
Pressure tanks, 609.9
Pressure tanks, boilers & relief valves, 609.2
Privacy screens, 301.2.21, B105.4.2
Private or private use, defined, 202
Private sewage disposal system, 701.8, Appendix E
Private sewer, defined, 202
Private water supply, 608.6
Processing, water used for, 614.3
Prohibited fixtures, 401.5
Protected traps, 901.2
Protection, of trap seals, 901.2, 908.2
 conductors, 1106.2
 dishwashing machines, 409.1.1
 pipes, 304
 potable water supply, 606
 washing machines, 409.12.1
 water supply, 606
Public institutional showers, 409.8.3
Public or public use, defined, 202
Public sewer, defined, 202
Pumps and other appliances, 609.1

Quality of fixtures, 405
Quality of water supply, 604

- Rainwater conductor protection, 1106.2
- Receptors, 807.1
- Records, D 108.3.4
- Reducers and increasers, 307.6
- Reducing valve or regulators for water pressure, 607.9
- Relief vent, 916
 - defined, 202
 - interceptor, 1004
 - size, 920.2
- Relief, outlet wastes, 507.6
- Relief valves, water pressure and temperature, 507.3
- Remedial code, 101.2
- Repairs, alterations, 301.5
- Reports, 104, 1202.2
- Retesting, 104
- Return offset, defined, 202
- Revent pipe, defined, 202
- Reventing individual fixtures, 91
- Revocation of permits, 102.4
- Right of entry, 102.2
- Rise, vertical, 906.2
- Riser, defined, 202
- Rodent proofing, 301.7
- Roof drain, 1107
 - defined, 202
 - flashings, 1106.4
 - flat decks, 1107.3
 - materials, 1107.1
 - strainers, 1107.2
- Roof, extensions, 905.1
- Safety devices, 507, 613
- Safety, water heater, 501.8.1
- Sand interceptor, 202, 1004.6, Appendix M
- Sanitary and storm sewer, combined, 1106.3
 - separated, 704.3
- Sanitary sewer, defined, 202
- Seal loss, single stack systems, L104.3.2, L104.3.3
- Seats, water closet, 409.13.6
- Sediment drains, 501.5
- Separate connections-domestic disposal units, 409.5.1
- Separate controls for each family unit, 610.3
- Separate trap washing machine, 409.12.2
- Separate trenches, 704.1
- Separate venting, 917.2
- Separate vents, 717.7
- Separator, defined, 202, Appendix M
 - interceptors, 1004, Appendix M
 - slaughter house, 1004.10.3, Appendix M
- Septic tank, 202
- Service buildings, B102, B105, C110
- Service lines near drain or sewer lines, 608.3
- Sewage, defined, 202
- Sewer and drain combination, 1106.3
- Sewer pipe,
 - cast iron soil pipe, 303, 703
 - clay, 707.1
 - concrete, 707.2
 - joints, 706.3
 - plastic, 308.8, 310.2.6, 310.3.6, 703
- Sewer, & water pipes, 305.6
 - building, 202, 704
 - house, defined, 202
 - in filled ground, 704.2
 - lateral, B102
 - main, defined, 202
 - public, defined, 202
 - storm, 202, 1103.4
- Shall, defined, 202
- Shower, 409.8.1
 - compartment floor construction, 409.8.2
 - heads, 406
 - public or institutional, 409.8.3
 - receptors and compartments, 409.8
- Side inlet or heel bend, 307.4
- Side vent, defined, 202
- Single stack discharge & ventilating pipe systems, 1203.3.3.1, L104
- Single stack plumbing systems, L105
- Sinks, 408.2
 - bar and fountain sink traps, 907
 - circular type, 409.7.1
 - kitchen, waste stack, 716
 - multiple wash, 409.7
 - straight-line type, 409.7.2
 - traps for bars and fountains, 907
 - waste outlet, 408.2
- Sizing, of water distribution
 - system, 611, 607, Appendix F
 - drainage system, 714
 - pipe, F103.2
 - vents, 920
- Slaughter house, separators, 1004.10.3, Appendix M
- Sleeves, 304.2
- Slip joints, 202, 309.5, 401.5.2
- Slope, defined, 202
- Small pipe cleanouts, 711.1, 712.1
- Small piping horizontal drainage, 705.2
- Soil pipe, defined, 202
- Soldered joints, 612.2
- Soldering bushings, 303.7.4
- Special fixtures and specialties, 409.9
- Special joints, 612.7
- Special materials, 303.7
- Special type separators, 1004.13
- Special waste pipe, defined, 202
- Specifications, and drawings,
 - and plans, B104, C104, 1202.1, K101.3, M103.3
 - for materials, 303.3
- Splashing, 807.1.3
- Sprinklers (lawn), 606.3
- Stack, defined, 202
 - group, defined, 202
 - main, 904.3
 - of more than 10 branch intervals, 916
 - vent, defined, 202
 - venting, 202, 912
- Standards, minimum, 303.1, 101.3.4
- State Health Officer, 202
- Sterile materials, 804.4
- Stop and waste valve combination, 608.5
- Storm drain, Chapter 11
 - building size, 1108.2
 - conductors and connections, 1106
 - defined, 202
 - general, 1101
 - materials, 1103
 - roof drains, 1107
 - size of leaders and storm drains, 1108
 - underground, 1103.3
 - values for continuous flow, 1111
 - Storm and sanitary drainage combination, 1106.3
- Storm sewer, building, 202, 1103.4
- Straight-line type sink, 409.7.2
- Strain and stresses, 310.5
- Strainers, 1107.2
 - and baskets, 807.1.2
 - and fixture outlets, 408.3
- Structural safety, 30
- Subdrain, building, 202, 1101.5
- Subsoil drain, 202, 1101.4
- Suction and gravity tanks, 609.8
- Sump, and ejector connections, 717.11

pump equipment design, 717.3
 condensers, 807.3
 defined, 202
 Supplementary tank, auxiliary pressure, 607.5
 Supply fittings, 601.5
 Supports, base of stacks, 310.6.5, L104.3.6
 buried piping, 305.1
 defined, 202
 horizontal piping, 310.3.1
 single stack systems, L104.3.6
 Swimming pools, 807.5

 Tables: battery vent sizing, 920.3
 building drains and sewers, 714.1
 distance of fixture trap from vent, 908.1
 fixture units per fixture or group, 713.1
 fixtures not listed, 713.2
 horizontal fixture branches and stacks, 714.2
 materials for plumbing installation, 303, 603, 703
 minimum facilities & occupant content, 407
 size and length of vents, 920.2
 size of horizontal storm drains, 1108.2
 size of vent stacks, 911.3
 size of vertical leaders, 1108.1
 Tanks, close-coupled, 409.13.4
 controls, 610.2
 Tests,
 final, 104, 311, 311.6, 1203, B108.14, C107.6, D108
 interior leaders or downspouts, 311.5, 1101.9
 material and labor for, 311.1
 methods for drainage and vent
 systems, 311.2
 of building sewer, 311.4
 of drainage and vent systems, 311.2, 701.9, 901.4, B108.14, C107.6
 engineered stack systems, 1203
 water supply system, 311.3, 601.11
 Threaded joints, 308.2
 Threaded pipe to cast iron, 309.1
 Threaded pipe, 310.2.3, 310.3.3
 Threaded unions, 1001.7
 Tightness of joints, 308.1
 Trailer length, B102
 Trap, and strainers-floor drain, 409.4.2
 anti-siphon, 507.1
 cleanouts, 710.6
 dip, 908.3
 drum, 1003.4
 fixture, 1001.8
 function, single stack systems, L104.3
 grease, defined, 202
 house, defined, 202
 level and protection, 1001.3
 main, 1105.1
 prohibited, 1001.5
 protected, 901.2
 relation to fixture drains, 1003.2
 seal protection, 901.2, 908.2
 seal, 202, 1001.2
 single stack systems, L104.4
 size for individual conductors, 1105.4
 size, 1003.1
 storm drain, 1101.3
 to fixture, distance, 1001.9
 to vent distance, 909.1, 909.3
 types, 1003.3
 underground, 1001.4
 Trapping, double, 1001.6
 Traps and cleanouts, Chapter 10
 cleanout clearances, 712
 distance of trap to fixture, 1001.9
 general requirements, 1001
 pipe cleanouts, 710
 size of cleanouts, 711
 type & size of traps & fixture drains, 1003
 Travel trailer, defined, B102
 park, defined, B102
 sanitary service station, defined, B102
 Trenching, excavation, backfill, 305
 Trough Urinals, T407-Note 21

 Underground, drainage piping, 714.4
 piping within buildings, 703.4
 storm drains, 1103.2
 traps, 1001.4
 vent piping, 903.4
 trough urinals, 401.5.1
 Unions (threaded), 1001.7
 Unit load-maximum fixture, 714.1
 Unsafe installations, 102.5
 Urinals, 405, 407, 409.11
 equipped with automatic flush valves, 409.11.2
 trough, 401.5.1, T407-Note 21
 Used or secondhand equipment, 301.8
 Used piping, 601.9.2

 Vacuum breakers, defined, 202
 Values for continuous flow, 713.3
 Values for fixtures, 713.1, Table F101
 Valves, backwater, 409.4.1.3, 704.7, 1101.5, 1101.8
 Valves, float, 409.13.3
 flush, defined, 202
 flushometer, defined, 202
 line, 614.2
 stop-and-waste valves and devices, 608.5
 Variable street pressures, 607.7
 Velocity, minimum, 705.4
 Vent connections, 906
 circuit and loop, 914
 stack, 919
 Vent offset, 917
 relief, 917.3
 Vent piping, above ground, 903.3
 single stack systems, L104.7
 size building sump, 717.6
 underground, 903.4
 Vent relief, 916
 defined, 202
 installation, 904.1
 length, 920.1
 minimum size, 714.2
 multistory bathroom, Table 911.3
 Vent system, and drainage test, 311
 defined, 202 Vent
 terminals, 905, 905.6
 extensions through wall, 905.6
 flashings, 905.3
 frost closure, 905.2
 location, 905.5
 vent stack, 904.2
 Vent, battery, 920.3
 branch, defined, 202
 circuit, defined, 202
 common, defined, 202
 continuous, defined, 202
 crown, 908.4
 fittings, 903.5
 fixture, 909
 flashings, 905.3
 grades and connections, 906
 headers, 919
 height above fixtures, 906.3
 individual, 202, 909.1, 920.2
 length, 920
 loop, 202, 914

- main to connect at base, 918
- main, 202, 904.3
- materials, 903
- pipe, defined, 202
- separate, 717.7
- side, defined, 202
- sizing building sump, 717.6
- sizing, 920
- wet, 202, 911
- yoke, defined, 202
- Ventilation and light, 404.1
- Venting, battery, 914.1
 - circuit and loop, 914
 - fixture traps-different levels, 910.2
 - interceptors, 1004.7
 - separate, 917.2
 - stack, 202, 912
- Vents and venting, Chapter 9
 - bar and fountain sink traps, 907
 - circuit and loop, 914
 - common vent, 202, 909
 - fixture vent, 908
 - frost closure, 905.2
 - individual fixture reventing, 913
 - main vents to connect at base, 918
 - materials, 903
 - offsets at an angle less than 45°, 917
 - pneumatic ejectors, 915
 - protection of trap seals, 901.2
 - relief vents, 916
 - size and length of vents, 920
 - stack, 912
 - vent grades and connections, 906
 - vent headers, 919
 - vent stacks, 904
 - vent terminals, 905
 - vents for fixture trap, 910
 - wet venting, 911
- Vertical leader size, 1108.1
- Vertical pipe, defined, 202
- Vertical piping, 310.2
- Vertical rise, 906.2
- Violations and penalties, 107
- Wall-hung bowls, 403.3
- Washing machine, protection, 409.12.1
 - residences, 409.12
 - separate trap, 409.12.2
- Waste acid, piping, 703.6
 - system, 903.6
- Waste outlet, laundry-tray, 409.6.1
 - lavatories, 408.1
 - sink, 408.2
- Waste pipe, indirect, 804
 - indirect, cleaning, 805.2
 - indirect, connections, 804.3
 - indirect, defined, 202
 - indirect, length, 805
 - indirect, material and size, 803
- Waste, clear water, 807.2
 - continuous, defined, 202
 - defined, 202
 - disposal units and single stack systems, L104.5.6
 - grinder, 409.5
 - industrial, defined, 202
 - liquid, 807.2
 - pipe, defined, 202
 - receptor installation, 807.1.1
 - relief outlet, 507.6
 - stacks serving kitchen sinks, 716
- Water closet, 406, 409.13
 - public use of, 409.13.1
 - seat, 409.13.6
- Water distribution pipe, defined, 202
 - tubing and fittings, 603, 611
- Water distribution system, B109
- Water distribution system-sizing, 607, Appendix F
- Water drain and connections, 409.9.1
- Water hammer arresters, air chambers, 607.8
 - shock absorbers, 607.8
 - hazard & noise, 607.8
- Water pumping and storage equipment, 609
- Water supply protection, 606
 - controls, 610
 - distribution, 608
 - mandatory, 606.1
 - quality, 604
 - system, 202, 612.7.4, 0108
 - test, 104, 311.3
 - where required, 606.3
- Water tanks, cleaning, painting and repairing, 609.3
 - drains, 609.7
 - overflow, 609.6
- Water heaters and hot water storage tank, Ch. 5
- Water, heating equipment, 501.6
 - main, defined, 202
 - outlet, defined, 202
 - pipes and sewer, 305.6
 - pressure valves or regulators, 607.9
 - pumping and storage equipment, 609
 - relief valves, 507.3
 - riser pipe, defined, 202
 - service pipe, 608
 - used for processing, 614.3
- Water-supply & distribution, Chapter 6
 - allowance for character of water, 601.9
 - color code, 605
 - disinfection of potable water supply piping, 601.8
 - hot-water distribution, 601.10
 - miscellaneous, 614
 - protection of potable water supply, 606
 - quality of water supply, 604
 - safety devices, 507
 - sizing of water distribution system, 607
 - water pumping & storage, 609
 - water supply control, 610
 - water supply distribution, 608, 611
 - water supply mandatory, 601.2
 - water-distribution pipe, tubing & fittings, 608, 611
- Welding or brazing, 309.4
- Wet vent, 202, 911
- Wiped joints, 308.3
- Workmanship, 301.6
- Yoke vent, defined, 202