

Residential - PLUMBING
Essential Referenced Standards
Based on 2009 Residential Code, Chapter 44
Prepared 4/22/14

Standard	Year	TITLE	Estimated Price of Standard	Comments
B = already on essential BUILDING list E = already on essential ELECTRICAL list F = already on essential FUEL GAS list M = already on essential MECHANICAL list N = already on essential ENERGY list P = already on essential PLUMBING list				
ANSI				
A118.10	1999	Specification for Load Bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation	\$40.00	replaced by ANSI a108/A118/A136.1
Z21.22	1999 (R2003)	Relief Valves for Hot Water Supply Systems—with Addenda Z21.22a-2000 (R2003) and 21.22-2001 (R2003)	P	2008 edition now available
Z124.1.2	2005	Plastic Bathtub and Shower Units	\$90.00	It appears that Z124.1 and Z124.2 were combined
Z124.1	1995	Plastic Bathtub Units	\$0.00	See Z124.1.2 above - it appears Z124.1 and Z124.2 were combined
Z124.2	1995	Plastic Shower Receptors and Shower Stalls	\$0.00	See Z124.1.2 above - it appears Z124.1 and Z124.2 were combined
Z124.3	1995	Plastic Lavatories	\$70.00	2005 edition available
Z124.4	1995	Plastic Water Closet Bowls and Tanks	\$70.00	2006 edition available
Z124.6	1997	Plastic Sinks	\$70.00	2007 edition available
ASME				
A112.1.2	2004	Air Gaps in Plumbing Systems	\$39.00	2012 edition now available
A112.1.3	2000 (R2005)	Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances	P	
A112.3.4	2000 (R2004)	Macerating Toilet Systems and Related Components	\$35.00	
A112.4.2	2003 (R2008)	Water Heater Relief Valve Drain Tubes	\$35.00	2009 edition available
A112.6.3	2001 (R2007)	Floor and Trench Drains	\$35.00	
A112.18.1/CSA B125.1	2005	Plumbing Supply Fittings	P	
A112.18.2/CSA B125.2	2005	Plumbing Waste Fittings	P	
A112.18.3	2002 (R2008)	Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings	P	
A112.18.6/CSA B125.6	2012	Flexible Water Connectors	P	
A112.19.1M/CSA A B45.2	2008	Enameled Cast Iron Plumbing Fixtures—with 1998 and 2000 Supplements	P	
A112.19.2/CSA B45.1	2008	Vitreous China Plumbing Fixtures—and Hydraulic Requirements for Water Closets and Urinals	P	
A112.19.3M/CSA A B45.4	2000 (R2007)	Stainless Steel Plumbing Fixtures (Designed for Residential Use) with 2002 Supplement	\$95.00	
A112.19.5/CSA B45.15	2009	Trim for Water-closet Bowls, Tanks and Urinals	P	
A112.19.7M/CSA A B45.10	2009	Hydromassage Bathtub Appliances	P	

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A112.19.15	2005	Bathtub/Whirlpool Bathtubs with Pressure Sealed Doors	\$35.00	2012 edition now available
B16.18	2001 (R2005)	Cast Copper Alloy Solder Joint Pressure Fittings	P	
B16.22	2001 (R2005)	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	P	
B16.26	2006	Cast Copper Alloy Fittings for Flared Copper Tubes	P	
ASSE				
1002	2008	Performance Requirements for Anti-siphon Fill Valves for Water Closet Flush Tank	\$45.00	
1003	2009	Performance Requirements for Water-pressure-reducing Valves	P	
1008	2006	Performance Requirements for Household Food Waste Disposer Units	\$45.00	
1010	2004	Performance Requirements for Water Hammer Arresters	P	
1011	2004	Performance Requirements for Hose Connection Vacuum Breakers	P	
1016	2010	Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations	P	Includes update No. 1 (2012)
1050	2009	Performance Requirements for Stack Air-Admittance Valves for Sanitary Drainage Systems	P	
1051	2009	Performance Requirements for Individual and Branch Type Air Admittance Valves for Plumbing Drainage Systems	P	
1052	2004	Performance Requirements for Hose Connection Backflow Preventers	\$45.00	
1061	2010	Performance Requirements for Removable and Non-removable Push Fit Fittings	\$45.00	
ASTM				
A 888	2009	Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Application	P	
B 32	2008	Specification for Solder Metal	P	
B 42	2002 e 2001	Specification for Seamless Copper Pipe, Standard Sizes	P	
B 75	2002	Specification for Seamless Copper Tube	P	
B 88	2003	Specification for Seamless Copper Water Tube	P	
B 251	2002 e 2001	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	P	
B 813	2000 e 2009	Specification for Liquid and Paste Fluxes for Soldering Applications of Copper and Copper Alloy Tube	P	
B 828	2002	Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	\$35.00	
C 14	2007	Specification for Concrete Sewer, Storm Drain and Culvert Pipe	P	
C 564	2008	Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings	P	
C 1277	2008	Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings	P	

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C 1461	2008	Specification for Mechanical Couplings Using Thermoplastic Elastomeric (TPE) Gaskets for Joining Drain, Waste and Vent (DWV) Sewer, Sanitary and Storm Plumbing Systems for Above and Below Ground Use	P	
D 1785	2006	Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120	P	
D 2235	2004	Standard Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings	\$42.00	
D 2239	2003	Standard Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter	P	
D 2241	2005	Standard Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series)	P	
D 2466	2006	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	P	
D 2467	2006	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80	P	
D 2564	2004e 2001	Standard Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems	P	
D 2609	2002	Standard Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe	\$36.00	
D 2657	2007	Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings	\$42.00	
D 2661	2006	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings	\$42.00	
D 2665	2007	Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	P	
D 2672	2003	Standard Specification for Joints for IPS PVC Pipe Using Solvent Cement	P	
D 2729	2004e 2001	Standard Specification for Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings	P	
D 2737	2003	Standard Specification for Polyethylene (PE) Plastic Tubing	\$41.00	
D 2751	2005	Specification for Acrylonitrile-butadiene-styrene (ABS) Sewer Pipe and Fittings	\$40.00	
D 2846	2009	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems	P	
D 2855	1996 (2002)	Standard Practice for Making Solvent-cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings	P	
D 2949	2001 e 2008	Specification for 3.25-in. Outside Diameter Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste and Vent Pipe and Fittings	P	
D 3311	2008	Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns	P	
F 437	2006	Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	\$41.00	
F 438	2004	Specification for Socket-type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	P	
F 441/F 441M	2002(2008)	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80	P	
F 493	2004	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings	P	

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F 628	2008	Specification for Acrylonitrile-butadiene-styrene (ABS) Schedule 40 Plastic Drain, Waste and Vent Pipe with a Cellular Core	\$41.00	
F 656	2008	Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings	P	
F 876	2008b	Specification for Cross-linked Polyethylene (PEX) Tubing	P	
F 877	2007	Specification for Cross-linked Polyethylene (PEX) Plastic Hot and Cold-water Distribution Systems	P	
F 1281	2007	Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe	P	
F 1282	2006	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe	P	
F 1807	2008	Specification for Metal Inswert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing	P	
F 1960	2009	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing	P	
CISPI				
301	2004a	Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	P	
310	2004	Standard Specification for Coupling for Use in Connection with Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	P	
CSA				
B64 Series-11	2011	Backflow Preventers and Vacuum Breakers	\$278.00	Combines B64 series
CAN/CSA B64.1.1	2001	Vacuum Breakers, Atmospheric Type (AVB)	\$0.00	Replaced by B64 Series-11 above
CAN/CSA B64.2	2001	Vacuum Breakers, Hose Connection Type (HCVP)	\$0.00	Replaced by B64 Series-11 above
CAN/CSA B64.2.2	2001	Vacuum Breakers, Hose Connection Type (HCVP) with Automatic Drain Feature	\$0.00	Replaced by B64 Series-11 above
CAN/CSA B64.3	2001	Backflow Preventers, Dual Check Valve Type with Atmospheric Port (DCAP)	\$0.00	Replaced by B64 Series-11 above
CAN/CSA-B45 Series-02	2002 (2013)	Plumbing Fixtures	\$291.00	Combines B45 Series
B45.4	2002	Stainless Steel Plumbing Fixtures	\$0.00	Replaced by B45 Series-02 above
B45.5	2002 (R2008)	Plastic Plumbing Fixtures	\$0.00	Replaced by B45 Series-02 above
B45.9	1999 (R2008)	Macerating Systems and Related Components	\$0.00	Replaced by B45 Series-02 above
B125.1	2001	Plumbing Fittings	\$134.00	2012 edition now available
B125.3	2005	Plumbing Fittings	\$97.00	2012 edition now available
ICC				

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Standard	Year	TITLE	Estimated Price of Standard	Comments
MBC	2009	Michigan Building Code	B P	
ICC/ANSI A117.1	2009	Accessible and Usable Buildings and Facilities	B P	
ICC 400	2012	Standard on the Design and Construction of Log Structures	B P	
ICC 500	2008	ICC/NSSA Standard on the Design and Construction of Storm Shelters	B P	
MUEC	2009	Michigan Uniform Energy Code	B F N P	
IFC	2012	International Fire Code	B P	
IFGC	2012	International Fuel Gas Code	B M P	
MMC	2012	Michigan Mechanical Code	B F M P	
MPC	2012	Michigan Plumbing Code	B P	
MRCEB	2009	Michigan Rehabilitation Code for Existing Buildings	B E M P	
IPSDC	2012	International Private Sewage Disposal Code	P	
NFPA				
70	2011	National Electrical Code	E P	
NSF				
14	2008e	Plastic Piping System Components and Related Materials	\$165.00	2013 edition now available
44	2007	Residential Cation Exchange Water Softeners	\$0.00	free
58	2007	Reverse Osmosis Drinking Water Treatment Systems	\$165.00	2013 edition now available
61	2008	Drinking Water Components - Health Effects	\$325.00	2013 edition now available
TOTAL			\$2,609.00	