

Commercial - BUILDING
Essential Referenced Standards
Based on 2012 International Building Code, Chapter 35
Prepared 4/22/14

Standard	Year	Title	Estimated Price of Standard	Comments
AA				
ASM 35	2000	Aluminum Sheet Metal Work in Building Construction (Fourth Edition)	\$25.00	
ACI				
318	2011	Building Code Requirements for Structural Concrete	\$192.00	
530	2011	Building Code Requirements for Masonry Structures	\$110.00	covers both 530 & 530.1
530.1	2011	Specifications for Masonry Structures		see ACI 530
AF&PA				
NDS	2012	National Design Specification (NDS) for Wood Constructions with 2005 Supplement	\$150.00	
AF&PA	2012	Span Tables for Joists and Rafters	\$0.00	free PDF download
AISC				
360	2010	Specification for Structural Steel Buildings	\$25.00	
AISI				
S100	2010	North American Specification for the Design of Cold-formed Steel Structural Members	\$100.00	
AITC				
AITC Technical Note 7	1996	Calculation of Fire Resistance of Glued Laminated Timbers	\$6.00	
AITC 104	2003	Typical Construction Details	\$12.00	
ANSI/AITC A 190.1	2007	Structural Glued Laminated Timber	\$40.00	
ANSI				
Z97.1	2009	Safety Glazing Materials Used in Buildings-Safety Performance Specifications and Methods of Test	\$95.00	
APA				
EWS S475	2001	Glued Laminated Beam Design Tables	\$3.00	
EWS S560	2003	Field Notching and Drilling of Glued Laminated Timber Beams	\$0.00	free PDF download

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EWS T300	2005	Glulam Connection Details	\$0.00	free PDF download
EWS X440	2003	Product Guide-Glulam	\$4.00	
EWS X450	2001	Glulam in Residential Construction-Western Edition	\$25.00	
APSP				
ANSI/APSP 7	2006	Standard for Suction Entrapment Avoidance in Swimming Pools,Wading Pools, Spas, Hot Tubs and Catch Basins	\$129.00	
ASABE				
EP 486.1	2005	Shallow-post Foundation Design	\$55.00	
ASCE/SEI				
5	2011	Building Code Requirements for Masonry Structures*	*	
6	2011	Specification for Masonry Structures*	*	
		*Building Code Requirements and Specification for Masonry Structures and Related Commentaries includes both ASCE 5 & 6	\$110.00	
7	2010	Minimum Design Loads for Buildings and Other Structures including Supplement No. 1 and 2, excluding Chapter 14 and Appendix 11A	\$165.00	
8	2002	Standard Specification for the Design of Cold-formed Stainless Steel Structural Members	\$77.00	
24	2005	Flood Resistant Design and Construction	\$59.00	
ASME				
A17.1/CSA B44	2007	Safety Code for Elevators and Escalators	\$310.00	
GA				
GA 216	2007	Application and Finishing of Gypsum Panel Products	\$16.00	
GA 600	2009	Fire-resistance Design Manual, 18th Edition	\$35.00	
HUD				
HUD 24 CFR Part 3280	2008	Manufactured Home Construction and Safety Standards	\$0.00	free download
ICC				

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ICC/ANSI A117.1	2003	Accessible and Usable Buildings and Facilities	\$46.00	
ICC 300	2012	ICC Standard on Bleachers, Folding and Telescopic Seating and Grandstands	\$26.00	
ICC 400	2012	Standard on Design and Construction of Log Structures	\$29.50	
ICC 500	2008	ICC/NSSA Standard on the Design and Construction of Storm Shelters	\$29.50	
MRCEB	2009	Michigan Rehabilitation Code for Existing Buildings	\$66.00	
MUEC	2009	Michigan Uniform Energy Code	\$38.00	
IFC	2012	International Fire Code	\$97.00	
IFGC	2012	International Fuel Gas Code	\$72.00	
MBC	2009	Michigan Building Code	\$99.50	
MMC	2012	Michigan Mechanical Code	\$71.00	
MPC	2012	Michigan Plumbing Code	\$71.00	
IPMC	2012	International Property Management Code	\$26.50	
MRC	2009	Michigan Residential Code	\$81.50	
NCMA				
TEK 5	1984 (1996)	Details for Concrete Masonry Fire Walls	\$0.00	free download
NFPA				
10	2010	Portable Fire Extinguishers	\$44.50	
11	2010	Low Expansion Foam	\$44.50	
12	2011	Carbon Dioxide Extinguishing Systems	\$44.50	
12A	2009	Halon 1301 Fire Extinguishing Systems	\$44.50	
13	2010	Installation of Sprinkler Systems	\$85.50	
13D	2010	Installation of Sprinkler Systems in One-and Two-family Dwellings and Manufactured Homes	\$44.50	

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13R	2010	Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height	\$40.50	
14	2010	Installation of Standpipe and Hose System	\$40.50	
16	2011	Installation of Foam-water Sprinkler and Foam-water Spray Systems	\$40.50	
17	2009	Dry Chemical Extinguishing Systems	\$40.50	
17A	2009	Wet Chemical Extinguishing Systems	\$35.00	
20	2010	Installation of Stationary Pumps for Fire Protection	\$52.50	
30	2012	Flammable and Combustible Liquids Code	\$52.50	
31	2006	Installation of Oil-burning Equipment	\$44.50	
32	2011	Dry Cleaning Plants	\$35.00	
40	2011	Storage and Handling of Cellulose Nitrate Film	\$35.00	
58	2011	Liquefied Petroleum Gas Code	\$52.50	
61	2008	Prevention of Fires and Dust Explosions in Agricultural and Food Product Facilities	\$40.50	
70	2011	National Electrical Code	\$89.50	
72	2010	National Fire Alarm Code	\$85.50	
80	2010	Fire Doors and Other Opening Protectives	\$44.50	
85	2009	Boiler and Combustion System Hazards Code	\$64.00	
92B	2009	Smoke Management Systems in Malls, Atria and Large Spaces	\$44.50	
99	2010	Standard for Health Care Facilities	\$64.00	
101	2012	Life Safety Code	\$93.00	
105	2010	Standard for the Installation of Smoke Door Assemblies	\$35.00	
110	2010	Emergency and Standby Power Systems	\$40.50	
111	2010	Stored Electrical Energy Emergency and Standby Power Systems	\$40.50	
120	2010	Coal Preparation Plants	\$44.50	
170	2009	Standard for Fire Safety and Emergency Symbols	\$44.50	

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211	2010	Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances	\$44.50	
221	2009	Standard for High Challenge Fire Walls, Fire Walls, and Fire Barrier Walls	\$40.50	
252	2012	Standard Methods of Fire Tests of Door Assemblies	\$35.00	
253	2011	Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source	\$35.00	
257	2012	Standard for Fire Test for Window and Glass Block Assemblies	\$35.00	
259	2008	Test Method for Potential Heat of Building Materials	\$35.00	
265	2011	Method of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Wall Coverings on Full Height Panels and Walls	\$40.50	
268	2012	Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source	\$35.00	
275	2009	Standard Method of Fire Test for the Evaluation of Thermal Barriers used over foam plastic insulation	\$35.00	
285	2011	Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Nonload-bearing Wall Assemblies Containing Combustible Components	\$40.50	
286	2011	Standard Method of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	\$40.50	
288	2012	Standard Method of Fire Tests of Floor Fire Door Assemblies Installed Horizontally in Fire resistance -rated Floor Systems	\$35.00	
289	2009	Standard Method of Fire Test for Individual Fuel Packages	\$35.00	
409	2010	Aircraft Hangars	\$40.50	
418	2011	Standard for Heliports	\$35.00	
484	2012	Combustible Metals	\$52.50	
654	2011	Prevention of Fire & Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids	\$44.50	
655	2012	Prevention of Sulfur Fires and Explosions	\$40.50	
664	2012	Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities	\$44.50	

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Standard	Year	Title	Estimated Price of Standard	Comments
701	2010	Standard Methods of Fire Tests for Flame-propagation of Textiles and Films	\$35.00	
704	2012	Standard System for the Identification of the Hazards of Materials for Emergency Response	\$40.50	
720	2009	Standard for the installation of Carbon Monoxide Detection and Warning Equipment	\$44.50	
1124	2006	Manufacture, Transportation and Storage of Fireworks and Pyrotechnic Articles	\$44.50	
2001	2008	Clean Agent Fire Extinguishing Systems	\$52.50	
SJI				
CJ-1.0	2010	Standard Specification for Composite Steel Joists, CJ-series	\$0.00	free download
JG-1.1	2010	Standard Specification for Joist Girders	\$0.00	free download
K-1.1	2010	Standard Specification for Open Web Steel Joists, K-series	\$0.00	free download
LH/DLH-1.1	2010	Standard Specification for Longspan Steel Joists, LH-series and Deep Longspan Steel Joists, DLH-series	\$0.00	free download
TIA				
222-G	2005	Structural Standards for Steel Antenna Towers and Antenna Supporting Structures including-Addendum 1, 222-G-1, Dated 2007	\$524.00	
TMS				
216	1997	Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies	\$54.00	
302	2007	Standard Method for Determining the Sound Transmission Class Rating for Masonry Walls	\$35.00	
402	2011	Building Code Requirements for Masonry Structures	\$110.00	TMS MSJC-2011 (\$110) includes both 402 & 602
602	2011	Specification for Masonry Structures		See TMS 402
TPI				
TPI 1	2007	National Design Standards for Metal-plate-connected Wood Truss Construction	\$70.00	

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Standard	Year	Title	Estimated Price of Standard	Comments
WDMA				
AAMA/WDMA/CSA 101/I.S.2/A440	2011	Specifications for Windows, Doors and Unit Skylights	\$82.00	
TOTAL:			\$5,840.00	

Commercial - ELECTRICAL
Essential Referenced Standards
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Standard	Year	Title	Estimated Price of Standard	Comments
ICC				
MRCEB	2009	Michigan Rehabilitation Code for Existing Buildings	\$66.00	
MRC	2009	Michigan Residential Code	\$81.50	
NFPA				
70	2011	National Electrical Code	\$89.50	
72	2010	National Fire Alarm Code	\$85.50	
99	2010	Standard for Health Care Facilities	\$64.00	
101	2012	Life Safety Code	\$93.00	
110	2010	Emergency and Standby Power Systems	\$40.50	
111	2010	Stored Electrical Energy Emergency and Standby Power Systems	\$40.50	
TOTAL:			\$494.50	

Commercial - MECHANICAL**Essential Referenced Standards****Based on 2012 Michigan Mechanical Code, Chapters 15 and 16****Prepared 4/22/14**

Standard	Year	Title	Estimated Price of Standard	Comments
ACCA				
Manual D	2009	Residential Duct Systems	\$88.59	
Manual J	2011	Residential Load Calculation— Eighth Edition	\$154.95	
Manual S	2010	Residential Equipment Selection	\$59.39	
183	2007	Peak Cooling and Heating Load Calculations in Buildings Except Low-rise Residential Buildings	\$33.00	
ASHRAE				
15	2010	Safety Standard for Refrigeration Systems	\$107.00	ASHRAE 15 & 34 sold together
34	2010	Designation and Safety Classification of Refrigerants		See ASHRAE 15
62.1	2010	Ventilation for Acceptable Indoor Air Quality	\$79.00	ASHRAE now has 2013 edition available
ASME				
B31.3	2010	Process Piping	\$390.00	
B36.10M	2004	Welded and Seamless Wrought Steel Pipe	\$57.00	
BPVC	2007	Boiler & Pressure Vessel Code (Sections I, II, IV, V & VI)	\$4,265.00	Total for listed sections only. ASME now publishes 2013 stds. BPVC with all sections is \$13,199.97
CSD-1	2009	Controls and Safety Devices for Automatically Fired Boilers	\$93.00	
DOL				
29 CFR Part 1910.1000	2009	Air Contaminants	\$0.00	free download
29 CFR Part 1910.1025	2009	Toxic and Hazardous Substances	\$0.00	free download
ICC				
IFGC	2012	International Fuel Gas Code	\$76.00	
MMC	2012	Michigan Mechanical Code	\$71.00	

Commercial - MECHANICAL

Essential Referenced Standards

Based on 2012 Michigan Mechanical Code, Chapters 15 and 16

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MRCEB	2009	Michigan Rehabilitation Code for Existing Buildings	\$66.00	
MRC	2009	Michigan Residential Code	\$81.50	
IIAR				
2	1999	Addendum A (2005) to Equipment, Design, and Installation of Ammonia Mechanical Refrigerating Systems	\$80.00	IIAR now publishes Standard 2-2008 w/ Addendum B
MSS				
SP-58	1993	Pipe Hangers and Supports—Materials, Design and Manufacture	\$295.00	
SP-69	2002	Pipe Hangers and Supports - Selection and Application	\$218.00	MSS now publishes SP-69-2003. Note on website says std will be withdrawn effective 3/11/14. After that date use ANSI/MSS SP-58-2009
NFPA				
13	2010	Installation of Sprinkler Systems	\$95.50	
13D	2010	Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes	\$46.50	
13r	2007	Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height	\$42.00	
31	2011	Installation of Oil-Burning Equipment	\$46.50	
58	2011	Liquefied Petroleum Gas Code	\$54.50	
96	2008	Ventilation Control and Fire Protection of Commercial Cooking Operations	\$42.00	NFPA now has 2011 and 2014 editions available
211	2010	Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances	\$46.50	NFPA now has 2013 edition available
SMACNA				
SMACNA/ANSI	2005	HVAC Duct Construction Standards - Metal and Flexible	\$247.00	
SMACNA	2003	Fibrous Glass Duct Construction Standards	\$159.00	
TOTAL:			\$6,993.93	

Commercial - FUEL GAS
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Based on 2012 International Fuel Gas Code, Chapter 8
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Standard	Year	Title	Estimated Price of Standard	Comments
M = already on essential MECHANICAL list				
ASME				
B31.3	2010	Process Piping	M	
B36.10M	2004	Welded and Seamless Wrought-Steel Pipe	M	
BPVC	2007	ASME Boiler and Pressure Vessel Code	M	
CSD-1	2009	Controls and Safety Devices for Automatically Fired Boilers	M	
ICC				
MUEC	2009	Michigan Uniform Energy Code	\$38.00	
MMC	2012	Michigan Mechanical Code	\$71.00	
MRC	2009	Michigan Residential Code	\$81.50	
MSS				
SP-58	1993	Pipe Hangers and Supports—Materials, Design and Manufacture	M	
NFPA				
58	2011	Liquefied Petroleum Gas Code	M	
211	2010	Chimneys, Fireplaces, Vents and Solid Fuel-Burning Appliances	M	
TOTAL:			\$190.50	

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Standard	Year	Title	Estimated Price of Standard	Comments
ANSI				
Z21.22	1999(R2003)	Relief Valves for Hot Water Supply Systems with Addenda Z21.22a-2000(R2003) and Z21.22b-2001 (R2003)	\$769.00	
ASME				
A112.1.3	2000, Reaffirmed 2005	Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances	\$35.00	
A112.4.1	1993 (R2002)	Water Heater Relief Valve Drain Tubes	\$35.00	
A112.4.3	1999, Reaffirmed 2004	Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System	\$35.00	
A112.14.1	2003	Backwater Valves	\$35.00	
A112.14.3	2000	Grease Interceptors	\$35.00	
A112.14.4	2001 (Reaffirmed 2007)	Grease Removal Devices	\$35.00	
A112.18.1/CSA B125.1	2005/2005	Plumbing Supply Fittings	\$130.00	
A112.18.2/CSA B125.	2005/2010	Plumbing Waste Fittings with 2007 and 2008 Supplements	\$70.00	
A112.18.3	2002 (Reaffirmed 2008)	Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings	\$35.00	
A112.18.6/CSA B125.6	2009	Flexible Water Connectors	\$90.00	
A112.18.7	1999 (Reaffirmed 2004)	Deck mounted Bath/Shower Transfer Valves with Integral Backflow Protection	\$0.00	withdrawn
A112.19.1M/CSA B45.2	2008	Enameled Cast Iron and Enameled Plumbing Fixtures with 1998 and 2000 supplements	\$80.00	
A112.19.2/CSA B45.1	2008	Ceramic Plumbing Fixtures and Hydraulic Requirements for Water Closets and Urinals	\$110.00	
A112.19.4M	1994 (R2004)	Porcelain Enameled Formed Steel Plumbing Fixtures—with 1998 and 2000 Supplements	\$62.00	
A112.19.5/CSA B45.15	2009	Trim for Water-closet Bowls, Tanks and Urinals	\$95.00	
A112.19.7M/CSA B45.10	2009	Hydromassage Bathtub Appliances	\$79.00	

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Standard	Year	Title	Estimated Price of Standard	Comments
A112.19.19	2006	Vitreous China Nonwater Urinals	\$28.00	
A112.21.2M	1983	Roof Drains	\$35.00	
A112.36.2M	1991 (R2008)	Cleanouts	\$35.00	
B16.12	1998 (Reaffirmed 2006)	Cast-iron Threaded Drainage Fittings	\$47.00	
B16.18	2001 (Reaffirmed 2005)	Cast Copper Alloy Solder Joint Pressure Fittings	\$62.00	
B16.22	2001 (Reaffirmed 2005)	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	\$42.00	
B16.26	2006	Cast Copper Alloy Fittings for Flared Copper Tubes	\$32.00	
ASSE				
1001	2008	Performance Requirements for Atmospheric Type Vacuum Breakers	\$45.00	
1003	2009	Performance Requirements for Water Pressure Reducing Valves	\$45.00	
1004	2008	Performance Requirements for Backflow Prevention Requirements for Commercial Dishwashing Machines	\$45.00	
1005	1999	Performance Requirements for Water Heater Drain Valves	\$45.00	
1010	2004	Performance Requirements for Water Hammer Arresters	\$45.00	
1011	2004	Performance Requirements for Hose Connection Vacuum Breakers	\$45.00	
1012	2009	Performance Requirements for Backflow Preventers with Intermediate Atmospheric Vent	\$45.00	
1013	2009	Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers	\$45.00	
1015	2009	Performance Requirements for Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies	\$45.00	
1016	2010	Performance Requirements for Individual Thermostatic, Pressure Balancing and Combination Control Valves for Individual Fixtures Fittings	\$120.00	

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1017	2010	Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems	\$45.00	
1018	2010	Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied	\$45.00	
1020	2004	Performance Requirements for Pressure Vacuum Breaker Assembly	\$45.00	
1022	2003	Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment	\$45.00	
1024	2004	Performance Requirements for Dual Check Valve Type Backflow Preventers (for Residential Supply Service or Individual Outlets)	\$45.00	
1035	2008	Performance Requirements for Laboratory Faucet Backflow Preventers	\$45.00	
1037	1990	Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures	\$45.00	
1044	2010	Performance Requirements for Trap Seal Primer Devices Drainage Types and Electronic Design Types	\$45.00	
1047	2009	Performance Requirements for Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies	\$45.00	
1048	2009	Performance Requirements for Double Check Detector Fire Protection Backflow Prevention Assemblies	\$45.00	
1050	2009	Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems	\$45.00	
1051	2009	Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems-Fixture and Branch Devices	\$45.00	
1056	2010	Performance Requirements for Spill Resistant Vacuum Breaker	\$45.00	
1060	2006	Performance Requirements for Outdoor Enclosures for Fluid Conveying Components	\$45.00	
1061	2010	Performance Requirements for Removable and Nonremovable Push Fit Fittings	\$45.00	
1062	2006	Performance Requirements for Temperature Actuated, Flow Reduction Valves to Individual Supply Fittings	\$45.00	

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1066	1997	Performance Requirements for Individual Pressure Balancing In-line Valves for Individual Fixture Fittings	\$45.00	
1069	2005	Performance Requirements for Automatic Temperature Control Mixing Valves	\$45.00	
1070	2004	Performance Requirements for Water-temperature Limiting Devices	\$45.00	
ASTM				
A 74	2009	Specification for Cast-iron Soil Pipe and Fittings	\$66.00	
A 888	2009	Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application	\$66.00	
B 32	2008	Specification for Solder Metal	\$41.00	
B 42	2002 e 01	Specification for Seamless Copper Pipe, Standard Sizes	\$41.00	
B 75	2002	Specification for Seamless Copper Tube	\$41.00	
B 88	2003	Specification for Seamless Copper Water Tube	\$41.00	
B 251	2002 e 01	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	\$41.00	
B 687	1999(2005)e01	Specification for Brass, Copper and Chromium-plated Pipe Nipples	\$35.00	
B 813	2000(2009)	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	\$42.00	
C 14	2007	Specification for Nonreinforced Concrete Sewer, Storm Drain and Culvert Pipe	\$36.00	
C 296	2000(2004)	Specification for Asbestos-cement Pressure Pipe	\$30.00	
C 564	2008	Specification for Rubber Gaskets for Cast-iron Soil Pipe and Fittings	\$30.00	
C 1277	2008	Specification for Shielded Coupling Jointing Hubless Cast-iron Soil Pipe and Fittings	\$49.20	
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	\$36.00	

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C 1540	2008	Specification for Heavy Duty Shielded Couplings Joining Hubless Cast-iron Soil Pipe and Fittings	\$41.00	
D 1785	2006	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120	\$47.00	
D 2239	2003	Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter	\$41.00	
D 2241	2005	Specification for Poly (Vinyl Chloride) (PVC) Pressure-rated Pipe (SDR-Series)	\$41.00	
D 2466	2006	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	\$41.00	
D 2467	2006	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80	\$41.00	
D 2564	2004 e 01	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	\$41.00	
D 2665	2009	Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	\$41.00	
D 2672	1996a(2003)	Specification for Joints for IPS PVC Pipe Using Solvent Cement	\$326.00	
D 2729	2003	Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	\$41.00	
D 2846/D 2846M	2009	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot and Cold Water Distribution Systems	\$47.00	
D 2855	1996(2002)	Standard Practice for Making Solvent-cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings	\$41.00	
D 2949	2001a(2008)	Specification for 3.25-in Outside Diameter Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	\$41.00	
D 3311	2008	Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns	\$59.00	
F 405	2005	Specification for Corrugated Polyethylene (PE) Pipe and Fittings	\$41.00	
F 409	2002(2008)	Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings	\$47.00	

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F 438	2004	Specification for Socket-type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	\$41.00	
F 441/F 441M	2002(2008)	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80	\$41.00	
F 493	2004	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings	\$41.00	
F 656	2008	Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings	\$36.00	
F 876	2008b	Specification for Cross-linked Polyethylene (PEX) Tubing	\$47.00	
F 877	2007	Specification for Cross-linked Polyethylene (PEX) Plastic Hot and Cold Water Distribution Systems	\$41.00	
F 1281	2007	Specification for Cross-linked Polyethylene/Aluminum/Cross-Linked Polyethylene (PEX-AL-PEX) Pressure Pipe	\$47.00	
F 1282	2006	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe	\$41.00	
F 1807	2008	Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing	\$41.00	
F 1866	2007	Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings	\$41.00	
F 1960	2009	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for use with Cross-linked Polyethylene (PEX) Tubing	\$41.00	
F 1974	2008	Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Composite Pressure Pipe	\$41.00	
F 1986	01(2006)	Specification for Multilayer Pipe, Type 2, Compression Fittings and Compression Joints for Hot and Cold Drinking Water Systems	\$47.00	
F 2080	2008	Specifications for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe	\$41.00	

Commercial - PLUMBING
Essential Referenced Standards
Based on 2012 Michigan Plumbing Code, Chapter 14
Prepared 4/22/14

Standard	Year	Title	Estimated Price of Standard	Comments
F2098	2008	Standard specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert Fittings	\$36.00	
F 2159	2005	Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing	\$41.00	
F 2262	2005	Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Tubing OD Controlled SDR9	\$47.00	
F 2434	2008	Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX AL-PEX) Tubing	\$41.00	
AWWA				
C510	2000	Double Check Valve Backflow Prevention Assembly	\$59.00	
C511	2000	Reduced-pressure Principle Backflow Prevention Assembly	\$59.00	
CISPI				
301	2004a	Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	\$0.00	Free
310	2004	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	\$0.00	Free
ICC				
MBC	2009	Michigan Building Code	\$99.50	
MRCEB	2009	Michigan Rehabilitation Code for Existing Buildings	\$66.00	
MUEC	2009	Michigan Uniform Energy Code	\$38.00	
IFC	2012	International Fire Code	\$97.00	
IFGC	2012	International Fuel Gas Code	\$72.00	
MMC	2012	Michigan Mechanical Code	\$71.00	
MPC	2012	Michigan Plumbing Code	\$71.00	

Commercial - PLUMBING
Essential Referenced Standards
Based on 2012 Michigan Plumbing Code, Chapter 14
Prepared 4/22/14

Standard	Year	Title	Estimated Price of Standard	Comments
IPSDC	2012	International Private Sewage Disposal Code	\$31.95	
MRC	2009	Michigan Residential Code	\$81.50	
ISEA				
Z358.1	1998	Emergency Eyewash and Shower Equipment	\$56.00	
NFPA				
50	2001	Bulk Oxygen Systems at Consumer Sites	\$35.00	
51	2007	Design and Installation of Oxygen-fuel Gas Systems for Welding, Cutting and Allied Processes	\$40.00	
70	2011	National Electrical Code	\$67.13	
99C	2005	Gas and Vacuum Systems	\$64.00	
PDI				
G101	2003	Testing and Rating Procedure for Grease Interceptors with Appendix of Sizing and Installation Data	\$0.00	Free
TOTAL:			\$6,723.28	

Commercial - ENERGY
Essential Referenced Standards
Based on 2009 Michigan Uniform Energy Code, Chapter 6
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 P = already on essential PLUMBING list R = already on essential RESIDENTIAL list				
ASHRAE				
119	1988(RA 2004)	Air Leakage Performance for Detached Single-family Residential Buildings	\$19.00	
140	2007	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs	\$99.00	2011 edition available
90.1	2007	Energy Standard for Buildings Except Low-Rise Residential Buildings (ANSI/ASHRAE/IESNA 90.1-2007)	\$135.00	2013 edition available. See also IESNA
ASTM				
C 90	2006b	Specification for Load-bearing Concrete Masonry Units	R	
E 283	2004	Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen	R	
DOE				
DOE/EIA-0376	Current Edition	State Energy Prices and Expenditure Report	\$0.00	Available through the U.S. Energy Information Administration
ICC				
MBC	2009	Michigan Building Code	BP	
IFC	2012	International Fire Code	BPR	
IFGC	2012	International Fuel Gas Code	BMPR	
MMC	2012	Michigan Mechanical Code	BFMPR	
MPC	2012	Michigan Plumbing Code	BPR	
MRC	2009	Michigan Residential Code	BEMP	
US-FTC				
CFR Title 16		R-Value Rule	\$0.00	Available through the U.S. Government Printing Office
WDMA				
AAMA/WDMA/CSA 101/I.S.2/A440	2008	Specifications for Windows, Doors and Unit Skylights	B	Also AAMA and CSA
TOTAL:			\$253.00	

Residential - REHAB CODE
Essential Referenced Standards
Based on 2009 Rehab Code for Existing Buildings, Appendix A
Prepared 5/7/14

Standard	Year	Title	Estimated Price of Standard	Comments
B = already on essential BUILDING list E = already on essential ELECTRICAL list M = already on essential MECHANICAL list P = already on essential PLUMBING list R = already on essential RESIDENTIAL list				
ASCE				
7	2005	Minimum Design Loads for Buildings and Other Structures with Supplement No. 1	B	
ICC				
MBC	2009	Michigan Building Code	B P	
MMC	2012	Michigan Mechanical Code	B M P R	
MPC	2012	Michigan Plumbing Code	B P R	
MRC	2009	Michigan Residential Code	B E M P	
NFPA				
70	2011	National Electrical Code	B E P	
TOTAL:			\$0.00	