GROUP A
NEW STANDARDS PROPOSED IN 2012/2013 CODE CHANGE CYCLE
LISTED BY STANDARDS ORGANIZATION
STAFF ANALYSIS

April 2, 2012

The following are comments by ICC staff regarding certain aspects of standards proposed to be referenced in the ICC Codes by code change proposals submitted for the Group A portion of the 2012/2013 cycle. The comments relate to portions of the criteria for standards contained in Section 3.6 of CP#28 (*see last page of this document*).

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
AAMA STANDARDS			
FS161-12	**IBC:** 1405.4 (New)	**AAMA 711-07** *Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products*	This standard is currently referenced in the IRC.
FS161-12	**IBC:** 1405.4 (New)	**AAMA 714-11** *Voluntary Specification for Liquid Applied Flashing Used to Create a Water-Resistive Seal around Exterior Wall Openings in Buildings*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
ACI STANDARDS			
EB12-12	**IBC:** [B] 301.1.4, [B]301.1.5(New)	**ACI 562-12** *Code Requirements for Evaluation, Repair, and Rehabilitation of Concrete Buildings*	No permissive language. No proprietary language. ACI standardization procedures.
AASHTO STANDARDS			
S97-12	**IBC:** 1609.1.1 (New)	**LTS-5-09** *Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 3.7, 3.8.2.2. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
AHRI STANDARDS			
S168-12	**IBC:** 1705.12.3	**1270 (I-P)/1271 (SI)-2011** *Requirements for Seismic Qualifications of HVACR Equipment*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 6.2, 6.4.3, 7.1, 7.2.6

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
AISI STANDARDS			
S245-12	**IBC:** 2203.2. 2211.1,Table 2506.2 Table 2507.2	**AISI S220-11** *North American Standard for Cold-formed Steel Framing-Nonstructural Members*	No permissive, or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
ANSI STANDARDS			
FG12-12	**IFGC:**404.5	**ANSI LC-4-2007/CSA 6.32.-2007** *Press-Connect Copper and Copper Alloy Fittings for Use in Fuel Gas Distribution Systems*	This standard is currently referenced in the IRC.
FG24-12	**IFGC:**411.1	**ANSI/ Z21.54-09** *Gas Hose Connectors for Portable Outdoor Gas Fired Appliances*	Not reviewed.
APA STANDARDS			
S247-12 S248-12 S250-12 G142-12	**IBC:**2303.1.4	**ANSI/APA PRG 320-2011** *Standard for Performance-Rated Cross-Laminated Timber*	No permissive, or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
S249-12	**IBC:** 2303.1.12	**ANSI/APA PRR 410-2011** *Standard for Performance-Rated Engineered Wood Rim Boards*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 8.2.2 & Figure 2. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
AMERICAN PETROLEUM INSTITUTE (API)			
P225-12	**IPC:** 1308.1.1	**12D-2008** *Specification for Field Welded Tanks for Storage of Production Liquids, effective April 1, 2009*	No permissive or unenforceable language was noted. No proprietary references were noted.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
P225-12	**IPC:** 1308.1.1	**12F-2008** *Specification for Shop Welded Tanks for Storage of Production Liquids, effective April 1, 2009*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
ARB STANDARDS			
G162-12	**IBC:**1211.2	**ARB February 1, 2008** *Suggested Control Measure for Architectural Coatings*	This standard is currently referenced in the IgCC.
ASCE STANDARDS			
G211-12	**IBC:** 3403.4, 3404.4, 3405.2.1, 3405.2.3, 3408.4	**41-13** *Seismic Evaluation and Rehabilitation of Existing Buildings*	This standard is currently referenced in the IEBC.
S100-12	**IBC:** 1609.1.1	**49-07** *Wind Tunnel Testing for Buildings and Other Structures*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 2.3, 5.2 & 7.0. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The prepublication version provided for staff review does not indicate whether it is an ANSI or ASTM process.
G186-12	**IBC:** 202, 3102.1, 3102.1.1, 3102.2	**55-10** *Tensile Membrane Structures*	No permissive language. No proprietary language. ANSI consensus process.
ASHRAE STANDARDS			
P52-12 P53-12	**IPC:** 410.1	**18-2008** *Methods of Testing for Rating Drinking-Water Coolers with Self-Contained Mechanical Refrigeration*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
G150-12	**IBC:** 1203.4	**62.1-2010** *Ventilation for Acceptable Indoor Air Quality*	No permissive or unenforceable language

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
M37-12 G150-12	**IBC:** 1203.4 **IMC:** 401.2	**62.2-2010** *Ventilation for Acceptable Indoor Air Quality in Low-Rise Residential Buildings*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
M36-12	**IMC:**401.2	**170-2008** *Ventilation of Health Care Facilities*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
ASME STANDARDS			
G163-12	**IBC:** 3001.2	**A17.7-2007/CSA B44-07** *Performance-Based Safety Code for Elevators and Escalators*	No permissive language. No proprietary language. ANSI consensus process
P117-12 P124-12	**IPC:** 605.7.1, 606.1	**A112.4-14-2004(R2010)** *Manually Operated, Quarter-Turn Shutoff Valves for Use in Plumbing Systems*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P199-12 P200-12 P201-12	**IPC:** 1003.3.4 1003.3.6, 1003.3.6 (NEW)	**A112.4-14.6-2010** *FOG (Fats, Oils and Greases) Disposal Systems*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P194-12	**IPC:** 1002.3	**A112.18.8-2009** *In-Line Sanitary Waste Valves for Plumbing Drainage*	No permissive or unenforceable language was noted.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P40-12 P41-12	**IPC:** 404.1, 404.3 404.2, 404.1.1	**A112.18.9-2011** *Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P64-12	**IPC:** 420.1.1	**A112.19.10-2003(R2008)** *Dual Flush Devices for Water Closets*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P63-12	**IPC:** 420.1	**A112.19.14-2006(R2011)** *Six-Liter Water Closets Equipped with a Dual Flushing Device*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P132-12	**IPC:** Table 608.1, 608.13.6	**A112.21.3-1985(R2007)** *Hydrants for Utility and Maintenance Use*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P97-12 M195-12 M198-12	**IPC:** Table 605.5 **IMC:** Table 1202.5	**B16.51-2011** *Copper and Copper Alloy Press-Connect Pressure Fittings*	No permissive or unenforceable language was noted. No proprietary references were noted.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P116-12	**IPC:** 605.7	**B16.34-2009** *Valves Flanged, Threaded and Welding End*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
M185-12	**IMC:** 1107.1	**B31.5-2010** *Refrigeration Piping and Heat Transfer Components*	Contains multiple instances of non-mandatory text. Examples include: 501.3.1, 501.5.2, 502.2.6, 504.3.1(b), (h) 3, (j) and (f) 5, 507 (a), 508.3, 508.5.2, 514 (c), (e) and (f), 517, 519.1.2, 530.1, 531.1, 538.8. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
FG39-12	**IFGC:** 704.1.2, 704.1.2.4, 705.2, 705.3	**B31.12-2008** *Hydrogen Piping and Pipelines*	Not reviewed.
ASSE STANDARDS			
P196-12	**IPC:** 1002.4	**1072-07** *Performance Requirements for Barrier Type Floor Drain Tap Seal Protection Devices*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
ASTM STANDARDS			
S134-12 S187-12	**IBC:** 1704.5 1810.3.5.3.3	**A6-11** *Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes and Sheet*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 3.1.15 & 11.5.3.2. No proprietary references were noted.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P101-12	**IPC:**T605.5	**A106/A106M-11** *Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service*	This standard is currently referenced in the IMC.
P116-12	**IPC:** 605.7	**A126-04(2009)** *Gray Iron Castings for Valves, Flanges, and Pipe Fittings*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P101-12 M192-12	**IPC:** Table 605.5 **IMC:** Table 1202.5	**A234/A234M-11a** *Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
G256-12	**IFC:** 511.6.1	**A269-10** *Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service*	No permissive language. No proprietary language. ASTM consensus process.
P101-12	**IPC:** Table 605.5	**A351-10** *Standard Specification for Castings, Austenitic, for Pressure-Containing Parts*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P101-12 M192-12	**IPC:** Table 605.5 **IMC:** Table 1202.5	**A395/A395M-99(2009)** *Standard Specification for Ferritic Ductile Iron Pressure-Retaining Castings for Use at Elevated Temperatures*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			consensus process is ASTM.
P101-12	**IPC:** Table 605.5	**A403-11** *Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
G256-12	**IFC:** 511.6.1	**A479/A479M-11** *Standard Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels*	No permissive language. No proprietary language. ASTM consensus process.
P101-12 M192-12	**IPC:** Table 605.5 **IMC:** Table 1202.5	**A536-84(2009)** *Standard Specification for Ductile Iron Castings*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P101-12	**IPC:** Table 605.5	**A743/A743M-06(2010)** *Standard Specification for Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P101-12	**IPC:** Table 605.5	**A744/A744M-10e1** *Standard Specification for Castings, Iron-Chromium-Nickel, Corrosion Resistant, for Severe Service*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P101-12	**IPC:** Table 605.5	**A890-10** *Standard Specification for Castings, Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) for General Application*	No permissive or unenforceable language was noted.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
M192-12	**IMC:** Table 1202.5	**B152/B152M-09** *Standard Specification for Copper Sheet, Strip, Plate, and Rolled Bar*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P101-12 M192-12	**IPC:** Table 605.5 **IMC:** Table 1202.5	**B584-11** *Standard Specification for Copper Alloy Sand Castings for General Applications*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
EB26-12	**IBC:** [B] A304.2.6, Chapter A6	**B695-04** *Standard Specification for Coating of Zinc Mechanically Deposited on Iron and Steel*	This standard is already referenced in the IBC.
M199-12	**IMC:** 1203.3.3	**B828-02(2010)** *Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
FS59-12	**IBC:** 703.5	**C332-09** *Standard Specification for Lightweight Aggregates for Insulating Concrete*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through the ASTM consensus process.
S196-12 S306-12	**IBC:** 1903.2, Table 2507.2	**C1157-11** *Standard Performance Specification for*	Some permissive, unenforceable language

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		Hydraulic Cement	was noted -see section 10.1. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
S51-12	**IBC:** 1509.2	**C1313/C1313M-10** *Standard Specification for Sheet Radiant Barriers for Building Construction Applications*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 7.2.2, 8.3 & 11.1. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
S198-12 S224-12 S306-12	**IBC:** 1903.4, T2507.2	**C1600-C1600M-11** *Standard Specification for Rapid Hardening Hydraulic Cement*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
S223-12	**IBC:** 2103.1	**C1634-11** *Specification for Concrete Facing Brick*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P159-12	**IPC:** 705 (New)	**D2683-04** *Standard Specification for Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Tubing*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			consensus process. The consensus process is ASTM.
M190-12	**IMC:** 1216.1	**D2737-12** *Standard Specification for Polyethylene (PE) Plastic Tubing*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
G162-12	**IBC:** 1211.1, 1211.2	**D3960-05** *Standard Practice of Determining Volatile Organic Compound (VOC) Content of Paints & Related Coatings*	This standard is currently referenced in the IgCC.
S29-12	**IBC:** 1507.2.3	**D4533-11** *Standard Test Method for Trapezoid Tearing Strength of Geotextiles*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 5.3, 5.4, 7.3.4, 8.2 & 9.3. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
FS198-12	**IBC:** 202, 1410, 2612.2.1	**D6662-09** *Standard Specification for Polyolefin-Based Plastic Lumber Decking Boards*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through the ASTM consensus process.
S312-12	**IBC:** 2614.2, 2614.3	**D6817-11** *Standard Specification for Rigid Cellular Polystyrene Geofoam*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 5.1 & 5.2. No proprietary references were noted. The standard indicates that

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			it was developed through a consensus process. The consensus process is ASTM.
S317-12	**IBC:** 2612.5.1	**D7032-10a** *Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)*	ASTM D7032 is currently referenced in the 2012 IRC.
S177-12 S178-12	**IBC:** 1711.1.1, 2304.9.3	**D7147-05** *Specification for Testing and Establishing Allowable Loads of Joist Hangers*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 4.1 & 13.6.7. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
S43-12	**IBC**: 1507.12.3, 1507.13.3	**D7655-12** *Standard Classification for Size of Aggregate Used as Ballast for Roof Membrane Systems*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
S248-12 S249-12	**IBC**: 2303.1.2	**D7672-2011e1** *Standard Specification for Evaluating Structural Capacities of Rim Board Products and Assemblies*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 4.3, 5.5, Table 1, 6.1, 7.2 & 7.6. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
G149-12	**IBC:** 202	**E283-04** *Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen*	This standard is currently referenced in the IRC.
EB16-12	**IBC:** A6	**E488-10** *Test Method for Strength of Anchors in*	No permissive language. No proprietary language.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		Concrete and Masonry Elements	ASTM consensus process.
G99-12 G100-12	**IBC**: 425.2.1	**E1745-11** *Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs*	No permissive language. No proprietary language. ASTM consensus process.
FS25-12	**IBC:** 705.8.5	**E2XXX-** Draft Document WK30656 *Standard Test Method for Determining the Fire Resistance of Building Perimeter Containment Systems Due to External Spread of Fire*	No permissive or unenforceable language was noted. No proprietary references were noted. The draft standard indicates that it is being developed through the ASTM consensus process.
G149-12	**IBC:** 202	**E2178-11** *Standard Test Method for Air Permeance of Building Materials*	This standard is currently referenced in the IRC.
S313-12 S314-12	**IBC:** 2702, Appendix N (NEW)	**E2392/E2392M-10** *Standard Guide for Design of Earthen Wall Building Systems*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 6.1, 6.1.1, 6.1.3.2, 7.1.1, 7.1.3, 7.2.1 & 7.2.2. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
S95-12	**IBC:** 1607.12.3.1	**E2397-11** *Standard Practice for Determination of Dead Loads and Live Loads Associated with Green Roof Systems*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
FS151-12 S310-12	**IBC:** 1404.2, 2510.6	**E2556-10** *Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through the ASTM consensus process.
G18-12; FS10-12	**IBC:** 202; 703.5.1	**E2652-09** *Standard Test Method for Behavior of Materials*	No permissive or unenforceable language

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		in a Tube Furnace with a Cone-shaped Airflow Stabilizer, at 750°C.	was noted. No proprietary references were noted. The standard indicates that it was developed through the ASTM consensus process.
FS149-12	**IBC:** 1403.6	**E2707-09** *Standard Test Method for Determining Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through the ASTM consensus process.
S301-12	**IBC:** 2409.1	**E2751-11** *Standard Practice for Design and Performance of Supported Glass Walkways*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 7.1 & 7.4.1. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
M4-12 S253-12 G25-12	**IMC:** 202	**E2768-11** *Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 min. Tunnel Test)*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
M74-12 M74-12 M89-12 E228-12, E229-12, FS58-12, FS102-12, FS103-12, FS109-12 FS136-12, FS137-12 FS139-12, FS142-12	**IBC:** 713.13.2, 909.21.3, 909.20.6.1 **IMC:** 504.8, 601.3	**E2816-11** *Standard Test Method for Fire Resistive Metallic HVAC Duct Systems*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through the ASTM consensus process.
FS31-12, FS32-12, FS82-12	**IBC**: 707.5, 707.9 715.3, 715.6	**E2837-11** *Standard Test Method for Determining the Fire*	No permissive or unenforceable language

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		Resistance of Continuity Head-of-Wall Joint Systems Installed Between Rated Wall Assemblies and Nonrated Horizontal Assemblies	was noted. No proprietary references were noted. The standard indicates that it was developed through the ASTM consensus process.
M190-12	**IMC:** 1216.1	**F437-09** *Standard Specification for Threaded Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P159-12 M188-12	**IPC:** 705 (New) **IMC:** Table 1210.4	**F714-06a** *Standard Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) based on Outside Diameter*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P173-12	**IPC:** 716 (New)	**F1216-09** *Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin Impregnated Tube*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P101-12	**IPC:** Table 605.5	**F1476-07** *Standard Specification for Performance of Gasketed Mechanical Couplings for Use in Piping Applications*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P101-12	**IPC:** Table 605.5	**F1548-01(2006)** *Standard Specification for the Performance of*	No permissive or unenforceable language

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications	was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
S133-12	**IBC:** 1704.5	**F1554-07a** *Standard Specification for Anchor Bolts, Steel, 36, 55 and 105-ksi Yield Strength*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 5.1.4, 6.3.1, 6.6.2, 8.5, 13.4 & 16.1. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
G33-12	**IBC:** 408.12.6.2, 425.3.2	**F1577-05** *Standard Test Methods for Detention Locks for Swinging Doors*	Permissive language sections 4.2 and 4.4. No proprietary language. ASTM consensus
P173-12	**IPC:** 716 (New)	**F1743-08** *Standard Practice for Rehabilitation of Existing Pipelines and Conduits by Pulled-in-Place Installation of Cured-In-Place Thermosetting Resin Pipe (CIPP)*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
M190-12	**IMC:** 1216.1	**F1960-11e1** *Standard Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P116-12	**IPC:** 605.7	**F1970-05** *Special Engineered Fittings, Appurtenances or Valves for use in Poly (Vinyl Chloride) (PVC) or*	No permissive or unenforceable language

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		Chlorinated Poly (Vinyl Chloride) (CPVC) Systems	was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P173-12	**IPC:** 716 (New)	**F2019-11** *Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Pulled in Place Installation of Glass reinforced Plastic (GRP) Cured-in-Place Thermosetting Resin Pipe (CIPP)*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
M196-12	**IMC:** Table 605.5	**F2098-08** *Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
M190-12	**IMC:** 1216.1	**F2434-09** *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*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P153-12	**IPC:** Table 702.1	**F2618-09** *Standard for Chlorinated Poly (Vinyl Chloride) (CPVC) Pipe and Fittings for Chemical waste Drainage Systems*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
M189-12	**IMC:** Table 1202.4	**F2806-10** *Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe (Metric SDR-PR)*	No permissive or unenforceable language was noted No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P87-12	**IPC:** 601.5	**F2831-11** *Standard Practice for Internal Non Structural Epoxy Barrier Coating Material Used In Rehabilitation of Metallic Pressurized Piping Systems*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
P153-12	**IPC:** Table 702.1	**F2855-11** *Specification for Poly(Vinyl Chloride)/Aluminum/Poly(Vinyl Chloride) (CPVC/AL/CPVC) Composite Pressure Tubing*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ASTM.
AWWA STANDARDS			
P116-12	**IPC:** Table 605.7	**C500-09** *AWWA Standard for Metal-Seated Gate Valves for Water Supply Service*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P116-12	**IPC:** Table 605.7	**C504-10** *AWWA Standard for Rubber-Seated Butterfly Valves*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			consensus process is ANSI.
P116-12	**IPC:** Table 605.7	**C507-11** *AWWA Standard for Ball Valves, 6 In. Through 60 In.*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
M190-12	**IMC:** 1216.1	**C901-08** *AWWA Standard for Polyethylene (PE) Pressure Pipe and Tubing, ½ In. (13 mm) through 3 In. (76 mm), for Water Service*	This standard is currently referenced in the IPC.
P225-12	**IPC:** 1308.1.1	**D100-05** *AWWA Standard for Welded Carbon Steel Tanks for Water Storage*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P225-12	**IPC:** 1308.1.1	**D115-06** *AWWA Standard for Tendon Prestressed-Concrete Water Tanks*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P225-12	**IPC:** 1308.1.1	**D120-09** *AWWA Standard for Thermosetting Fiberglass-Reinforced Plastic Tanks*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
FG11-12	**IFGC:** 403.10.1	**AWS A5.8M/A5.8:2011** *Specifications for Filler Metals for Brazing and Braze Welding*	This standard is currently referenced in the IMC.
S309-12	**IBC:** 1404.13 (NEW), 2510.6	**100-12** *Voluntary Test Standard for Evaluation of Polymeric Rainscreen Products*	No permissive or unenforceable language was noted. No proprietary references were noted.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			The draft of the standard provided for staff review indicates that it was developed through a consensus process. The consensus process is ANSI.
E56-12	**IBC:** 1008.1.4.1.1	**A156.27-11** *Power and Manual Operated Revolving Pedestrian Doors*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
BUILDING OWNERS AND MANAGERS ASSOCIATION INTERNATIONAL (BOMA)			
G2-12	**IBC:** 202	**ANSI/BOMA Z65.1-10** *Office Buildings: Standard Methods of Measurement*	Written more as a recommended practice. No proprietary information found Developed through ANSI consensus process.
G2-12	**IBC:** 202	**ANSI/BOMA Z65.2-09** *Industrial Buildings: Standard Methods of Measurement*	Written more as a recommended practice. No proprietary information found Developed through ANSI consensus process.
G2-12	**IBC:** 202	**ANSI/BOMA Z65.3-09** *Gross Areas of a Building: Standard Methods of Measurement*	Written more as a recommended practice. No proprietary information found Developed through ANSI consensus process.
G2-12	**IBC:** 202	**ANSI/BOMA Z65.4-10** *Multi-Unit Residential Buildings: Standard Methods of Measurement*	Written more as a recommended practice. No proprietary information found Developed through ANSI consensus process.
G2-12	**IBC:** 202	**ANSI/BOMA Z65.5-10** *Retail Buildings: Standard Methods of Measurement*	Written more as a recommended practice. No proprietary information found Developed through ANSI consensus process.
G162-12	**IBC:** 1211.1, 1211.2, 1211.3, 1211.4, 1211.5	**CDPH/EHLB/STANDARD METHOD V1.1-2010** *Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers Version 1.1.*	This standard is currently referenced in the IgCC.
CAN/CGSB			
M38-12	**IMC:** 401.2	**CAN/CGSB 51.71-2005**	No permissive or

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		Depressurization Test	unenforceable language was noted No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is the Standard Council of Canada.
COMPRESSED GAS ASSOCIATION (CGA)			
G256-12	**IFC:** 511.4	**G-7.1-1989** *Commodity Specification for Air*	Under review
G256-12	**IFC:** 511.6.2.1	**S-1.3-2005** *Pressure Relief Device Standards – Part 3 Stationary Storage Containers for Compressed Gases*	This standard is currently referenced in the IFC.
M165-12	**IMC:** 908	**ATC-140-2011** *Isokinetic Drift Measurement Test Cost for Water Cooling Tower – ATC-140" testing code.*	Not indicated to be produced by a consensus process. No permissive or unenforceable language was noted. No proprietary references were noted.
CSA and CSA AMERICA STANDARDS			
M190-12	**IMC:** 1216.1	**B137.1-09** *Polyethylene (PE) pipe, tubing, and fittings for cold-water pressure services*	This standard is already referenced in the IPC.
M190-12	**IMC:** 1216.1	**B137.2-05** *Polyvinylchloride (PVC) injection-moulded gasketed fittings for pressure applications*	This standard is currently referenced in the IPC.
M190-12	**IMC:** 1216.1	**B137.3-09** *Rigid polyvinylchloride (PVC) pipe and fittings for pressure applications*	This standard is currently referenced in the IPC.
M190-12	**IMC:** 1216.1	**B137.5-09** *Crosslinked polyethylene (PEX) tubing systems for pressure applications*	This standard is currently referenced in the IPC.
M190-12	**IMC:** 1216.1	**B137.11-99** Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	This standard is currently referenced in the IPC.
G194-12	**IBC:** 3109.10	**CSA C22.2 No 218.1-2011** *Spas, Hot Tubs and Associated Equipment*	This standard is currently referenced in the ISPSC.
M188-12 M190-12	**IMC:** 1216.1	**CSA C448 SERIES-02-CAN/CSA-2002** *Design and Installation of Earth Energy Systems - First Edition; Update 2: October 2009; Consolidated Reprint 10/2009*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is the Standard Council of Canada.
G256-12	**IFC:** 511.4	**29 CFR Part 1910.134**	No permissive language.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		Respiratory Protection – Personal Protective Equipment	No proprietary language. Federal government rulemaking process.
S234-12 S235-12	**IBC:** 2112.2, 2112.5	**EN 15250-2007** *Slow Heat Release Appliances Fired By Solid Fuel Requirements And Test Methods*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 4.2.1, 4.2.11, 9.1, A.2.5.1 & A.4.2. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
G162-12	**IBC:** 1211.1	**US EPA Method 24 (issued 8/6/1993)** *Determination of Volatile Matter Content, Water Content, Density, Volume Solids and Weight Solids of Surface Coatings*	This standard is currently referenced in the IgCC.
G99-12 G100-12	**IBC**: 425.2.12	**US EPA 625-R-92-016-1994** *Radon Prevention in the Design and Construction of Schools and Other Large Buildings*	Written more as a recommended practice or handbook. No proprietary language. Developed by EPA and commented by various stakeholders
FS200-12 S16-12	**IBC:** Appendix L; 1504.7.2	**FM 4473-11** *Specification Test Standard for Impact Resistance Testing of Rigid Roof Materials by Impacting with Freezer Ice Balls*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through the ANSI consensus process.
ICC STANDARDS			
P42-12	**IPC:** 404.2, 404.1	**A117.1-2009** *Accessible and Usable Buildings and Facilities*	This standard is currently referenced in the IBC.
INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL INSPECTORS (IAPMO)			
P200-12 P203-12	**IPC:** 1003.3.6	**Z1001-2007** *Prefabricated Gravity Grease Interceptors*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC)			
G162-12	**IBC:** 1211.3, 1211.4, 1211.5	**ISO/IEC 17025-2005** *General Requirements for the Competence of Testing and Calibration Laboratories*	This standard is currently referenced in the IgCC.
INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)			
FS156-12 FS170-12 FS171-12 S307-12, S221-12	**IBC:** 1404.10; 2103.15.1, 2103.15.3; Table 2509.2	**ISO 8336-2009** *Fibre-cement flat sheets -- Product specification and test methods*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 5.1, 5.3.4, 5.7, 5.8 & 6.3.2. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
FG38-12	**IFGC:** 635.2.2, **IMC:** 926.2.2	**ISO 16110-1: 2007** *Hydrogen Generators using fuel processing technologies - Part 1: Safety*	Not indicated to be produced by a consensus process.
G162-12	**IBC:** 1211.1, 1211.2, 1211.3, 1211.4, 1211.5	**ISO/IEC 17025-2005** *General Requirements for the Competence of Testing and Calibration Laboratories*	This standard is currently referenced in the IgCC.
FG38-12	**IFGC:** 635.2.1, **IMC:** 926.2.1	**ISO 22734-1-2008** *Hydrogen Generators using water electrolysis process - Part 1: Industrial and commercial applications*	Not indicated to be produced by a consensus process.
FG38-12	**IFGC:** 635.2.1, **IMC:** 926.2.1	**ISO 22734-2-2011** *Hydrogen Generators using water electrolysis process - Part 2: Residential applications*	Not indicated to be produced by a consensus process.
M194-12	**IMC:** 1202.5	**ISO 15493-2003** *Plastics Piping Systems for Industrial Applications – Acrylonitrile-butadiene-styrene (ABS), unplasticized poly (vinyl chloride) (PVC-U) and chlorinated poly (vinyl chloride) (PVC-C) – Specifications for components and the system – Metric series*	Not indicated to be produced by a consensus process.
ICC-ES STANDARDS			
S45-12	**IBC:** 1507.17.1	**ICC ES AC365** *Acceptance Criteria for Building-Integrated Photovoltaic (BIPV) Roof Covering Systems*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 3.1.2.1, 3.1.3, 3.3.4. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
P96-12 M195-12	**IPC:** Table 605.5 **IMC:** Table 1202.5	**ICC ES LC1002** *PMG Listing Criteria for Press-Connection*	No permissive or unenforceable language

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		Fittings for Potable Water Tube and Radiant Heating Systems	was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
MATERIAL HANDLING INDUSTRY OF AMERICA (MHIA)			
G164-12	**IBC:** 3001.2	**ANSI MH29.1-2008** *Safety Requirements for Industrial Scissors Lifts*	No permissive language. No proprietary language. ANSI consensus procedures.
MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY, INC. (MSS)			
P116-12	**IPC:** Table 605.7	**SP-42-2009** *Corrosion Resistant Gate, Globe, Angle and Check Valves with Flanged and Butt Weld Ends (Classes 150, 300 & 600)*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
M15-12	**IFGC:** 305.4	**SP-58-2009** *Pipe Hangers and Supports-Materials Design and Manufacture*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ANSI.
P116-12	**IPC:** Table 605.7	**SP-67-2011** *Butterfly Valves*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
P116-12	**IPC:** Table 605.7	**SP-70-2011** *Gray Iron Gate Valves, Flanged and Threaded Ends*	No permissive or unenforceable language was noted. No proprietary references were noted.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
P116-12	**IPC:** Table 605.7	**SP-71-2011** *Grey Iron Swing Check Valves, Flanged and Threaded Ends*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
P116-12	**IPC:** Table 605.7	**SP-72-2010** *Ball Valves with Flanged or Butt-Welding Ends for General Service*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
P116-12	**IPC:** Table 605.7	**SP-78-2011** *Cast Iron Plug Valves, Flanged and Threaded Ends*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
P116-12	**IPC:** Table 605.7	**SP-80-2008** *Bronze Gate, Globe, Angle and Check Valves*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
P116-12	**IPC:** Table 605.7	**SP-110-2008** *Ball Valves, Threaded, Socket Welded, Solder Joint, Grooved and Flared Ends*	No permissive or unenforceable language was noted.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
NATIONAL BOARD INSPECTION CODE (NBIC)			
M172-12	**IMC:** 1003.3	**NBIC-2011** *National Board Inspection Code, Part 3*	No permissive or unenforceable language was noted No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
NFPA STANDARDS			
M173-12	**IMC:** 1004.1	**NFPA 85-2011** *Boiler And Combustion Systems Hazards Code*	This standard is already referenced in the IRC.
FS178-12	**IBC:** 2603.4.1.5	**NFPA 276-2011** *Standard Method of Fire Test for Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-Desk Roofing Components*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through the ANSI consensus process.
G256-12	**IFC:** 511.6, 511.7.2	**NFPA 1901-09** *Automotive Fire Apparatus*	No permissive language. No proprietary language. ANSI consensus process.
G256-12	**IFC:** 511.6, 511.7.2	**NFPA 1989-08** *Breathing Air Quality for Fire Emergency Services Respiratory Protection*	No permissive language. No proprietary language. ANSI consensus process.
NSF STANDARDS			
P74-12	**IPC:**428(NEW)	**41-2011** *Non-liquid Saturated Treatment Systems*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P223-12 PSD3-12	**IPC:** 1302.2 **IPSDC:** 1101.3	**350-11** *Onsite Residential and Commercial Water Reuse Treatment Systems*	This standard is currently referenced in the IgCC.
M190-12	**IMC:** 1216.1	**358-1** *Polyethylene Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems*	In draft form. Consensus not indicated.
M190-12	**IMC:** 1216.1	**358-2**	In draft form. Consensus

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		Polypropylene Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems	not indicated.
M190-12	**IMC:** 1216.1	**358-3** *Cross-linked Polyethylene (PEX) Pipe and Fittings for Water-Based Ground-Source (Geothermal) Heat Pump Systems*	In draft form. Consensus not indicated.
P116-12	**IPC:** Table 605.7	**359-11** *Valves for Crosslinked Polyethylene (PEX) Water Distribution Tubing Systems*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P112-12	**IPC:** 605.2.1	**372-2010** *Drinking Water System Components – Lead Content*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
STANDARDS AUSTRALIA (SA) STANDARDS			
E11-12	**IBC:** 1003.4 **IFC:** B1003.4	**HB197:1999** *"An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials," 1003.4(IFC [B] 1003.4)*	The document is written as a guide, and not a regulatory document. Therefore, the document is written in permissive language. The document states that it is intended for general guidance only.
STRUCTURAL BUILDING COMPONENTS ASSOCIATION (SBCA) STANDARDS			
FS192-12	**IBC:** 2603.11 (new)	**ANSI/FS 100-12** *Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies*	No permissive or unenforceable language was noted. No proprietary references were noted. The draft standard indicates that it is being developed through the ANSI consensus process.
SCAQMD STANDARDS			
G162-12	**IBC:** 1211.1	**Method 302-91** *Distillation of Solvents from Paints, Coatings and Inks, revised February 1993*	This standard is currently referenced in the IgCC.
G162-12	**IBC:** 1211.1	**Method 303-91** *Determination of Exempt Compounds, revised February 1993*	This standard is currently referenced in the IgCC.
G162-12	**IBC:** 1211.1	**Method 304-91** *Determination of Volatile Organic Compounds (VOC) in Various Materials, revised February, 1996*	This standard is currently referenced in the IgCC.
G162-12	**IBC:** 1211.1	**Method 316A-92** *Determination of Volatile Organic Compounds*	This standard is currently referenced in the IgCC.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		(VOC) in Materials Used for Pipes and Fittings revised October 1996	
G162-12	**IBC:** 1211.1	**Method 316B-97** *Determination of Volatile Organic Compounds (VOC) in Adhesives Containing Cyanoacrylates*	This standard is currently referenced in the IgCC.
G162-12	**IBC:** 1211.1	**Rule 1168-1989** *Adhesive and Sealant Applications, with amendments through January 7, 2005*	This standard is currently referenced in the IgCC.
SDI STANDARDS			
S244-12	**IBC:** 2210.1.1.3 (New)	**SDI-C-2011** *Standard for Composite Steel Floor Deck Slabs*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard does not indicate that it is developed through a consensus process such as ASTM or ANSI.
S142-12	**IBC:** 2210.1.1.3 (New)	**SDI-QA/QC-2011** *Standard for Quality Control and Quality Assurance for Installation of Steel Deck*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
SMACNA STANDARDS			
M150-12	**IMC:** 603.9.1	**1985** *SMACNA HVAC Air Duct Leakage Test Manual*	This standard is currently referenced in the IECC and IgCC.
SPRI STANDARDS			
S15-12	**IBC**: 1504.3.1.1	**ANSI/SPRI GD-1-2010** *Structural Design Standard for Gutter Systems Used with Low-Slope Roofs*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 2.3, 4.1.3, Tables II, IV A, B & C. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
S9-12	**IBC**: 1504.3.1.1	**ANSI/SPRI WD-1-2007** *Wind Design Standard Practice for Roofing Assemblies*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 2.5.1, 2.5.2, 2.9.

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
S14-12 S17-12 S18-12	**IBC**: 1504.9	**ANSI/SPRI RP14-10** *Wind Design Standard for Vegetative Roofing Systems*	Some permissive, unenforceable language was noted: Some of the sections containing permissive or unenforceable language include: 2.2, 3.13.1, 3.13.2. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
S24-12 S44-12	**IBC**: 1504.9	**ANSI/SPRI VF1-10** *External Fire Design Standard for Vegetative Roofs*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
UL STANDARDS			
FS99-12	**IBC**: 202	**UL 10D-2009** *Outline of Investigation for Fire Tests for Fire Protective Curtains*	No permissive or unenforceable language was noted. No proprietary references were noted. Per UL's *Standards Development and Maintenance Program*, Outlines of Investigation "…are not consensus documents and do not require review by an STP or other external group."
G248-12	**IBC**: H106.1;	**UL 48-2011** *Electric Signs*	No permissive language. No proprietary language. ANSI consensus process.
P225-12	**IPC:** 1308.1.1	**UL 58-1996** *Steel Underground Tanks for Flammable and Combustible Liquids with revisions through July 27, 1998*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			consensus process is ANSI.
M132-12	**IMC**: 602.2.1	**UL 94-1996** *The Standard For Safety Of Flammability Of Plastic Materials For Parts In Devices And Appliances Testing*	Not reviewed.
P225-12	**IPC:** 1308.1.1	**UL 142-2006** *Steel Aboveground Tanks for Flammable and Combustible Liquids with revisions through February 12, 2010*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P51-12	**IPC:** 410.1	**UL 399-2008** *Drinking-Water Coolers, with revisions through January 14, 2011*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P57-12	**IPC**: 413.1	**UL 430-2009** *Waste Disposers, with revisions through March 23, 2011*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
M68-12	**IMC:** 504.5	**UL 705-2004** *Standard for Power Ventilators*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P49-12	**IPC**: 409.1	**UL 749-2008** *Household Dishwashers*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
			consensus process is ANSI.
P49-12	**IPC**: 409.1	**UL 921-2005(R2010)** *Commercial Dishwashers*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P48-12	**IPC**: 406.3	**UL 1206-2003 (R2007)** *Electric Commercial Clothes-Washing Equipment with revisions through June 16, 2010*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P225-12	**IPC**: 1308.1.1	**UL 1316-1994** *Glass-Fiber Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol Gasoline Mixtures with revisions through May 12, 2006*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
M92-12	**IMC**: 506.3.11	**UL 1479-03** *Standard for Fire Tests of Through-Penetration Firestops*	This standard is currently referenced in the IBC. and the IRC.
G194-12 G196-12	**IBC**: 3109.5	**UL 1563-2009** *Electric Spas Assemblies, Equipment Assemblies, and Associated Equipment, including revisions through April 29, 2011*	This standard is currently referenced in the ISPSC.
G155-12	**IBC:** 1205.3	**UL 1598-2008** *Luminaires, with revisions through January 11, 2010*	No permissive language. No proprietary language. ANSI consensus process.
FG6-12	**IFGC**: 308.2	**UL 1618-2009** *Wall Protectors, Floor Protectors and Hearth Extensions*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
M213-12	**IMC:** 1401.1	**UL 1703-02** *Standard for Flat-Plate Photovoltaic Modules and Panels*	This standard is currently referenced in the IBC and the IRC.
M213-12	**IMC:** 1401.1	**UL 1741-99**	This standard is currently

CODE CHANGE NUMBER	CODE SECTION(S)	STANDARD	STAFF COMMENTS
		Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources	referenced in the IRC.
P225-12	**IPC**: 1308.1.1	**UL 1746-2007** *External Corrosion Protection Systems for Steel Underground Storage Tanks*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P68-12	**IPC**: 421.1	**UL 1795-2009** *Hydromassage Bathtubs including revisions through August 23, 2011*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
P48-12	**IPC**: 406.3	**UL 2157-2004 (R2010)** *Electric Clothes Washing Machines and Extractors*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through a consensus process. The consensus process is ANSI.
FS200-12	**IBC:** Appendix L	**UL 2218-2010** *Impact Resistance of Prepared Roof Covering Materials*	No permissive or unenforceable language was noted. No proprietary references were noted. The standard indicates that it was developed through the ANSI consensus process.
M137-12	**IMC:** 602.2.1.6	**ULC S102.2-10**	This standard is currently referenced in the IBC.

3.6 Referenced Standards: In order for a standard to be considered for reference or to continue to be referenced by the Codes, a standard shall meet the following criteria:

3.6.1 Code References:

3.6.1.1 The standard, including title and date, and the manner in which it is to be utilized shall be specifically referenced in the Code text.

3.6.1.2 The need for the standard to be referenced shall be established.

3.6.2 Standard Content:

3.6.2.1 A standard or portions of a standard intended to be enforced shall be written in mandatory language.

3.6.2.2 The standard shall be appropriate for the subject covered.

3.6.2.3 All terms shall be defined when they deviate from an ordinarily accepted meaning or a dictionary definition.

3.6.2.4 The scope or application of a standard shall be clearly described.

3.6.2.5 The standard shall not have the effect of requiring proprietary materials.

3.6.2.6 The standard shall not prescribe a proprietary agency for quality control or testing.

3.6.2.7 The test standard shall describe, in detail, preparation of the test sample, sample selection or both.

3.6.2.8 The test standard shall prescribe the reporting format for the test results. The format shall identify the key performance criteria for the element(s) tested.

3.6.2.9 The measure of performance for which the test is conducted shall be clearly defined in either the test standard or in Code text.

3.6.2.10 The standard shall not state that its provisions shall govern whenever the referenced standard is in conflict with the requirements of the referencing Code.

3.6.2.11 The preface to the standard shall announce that the standard is promulgated according to a consensus procedure.

3.6.3 Standard Promulgation:

3.6.3.1 Code change proposals with corresponding changes to the code text which include a reference to a proposed new standard or a proposed update of an existing referenced shall comply with this section. The standard shall be completed and readily available prior to Final Action Consideration based on the cycle of code development which includes the proposed code change proposal. In order for a new standard to be considered for reference by the Code, such standard shall be submitted in at least a consensus draft form in accordance with Section 3.4. Updating of standards without corresponding code text changes shall be accomplished administratively in accordance with Section 4.5.

3.6.3.2 The standard shall be developed and maintained through a consensus process such as ASTM or ANSI.