State Codes Advisory Committee Meeting

Thursday, February 21, 2019
10:00 A.M.

AGENDA

MORNING SESSION

Call to Order…….. Bill Duck, Chairman

Welcome and Announcements……. Bill Duck

Introductions…… Bill Duck

Approval of Minutes – June 14, 2018…… Bill Duck

Legislative Update……. Ted Miltiades

2018 International Plumbing Code and
2018 International Swimming Pool & Spa Code Task Force Report……..……Bill Guinade

2018 International Mechanical Code Task Force Report…… Elaine Powers

2018 International Fuel Gas Code Task Force Report……. Windell Peters

2018 International Fire Code Update Report…… Dwayne Garriss
State Fire Marshall

2015 International Energy Conservation Code Trainings Update……..…. Southface

Lunch Break (11:30-12:30) Lunch will be provided for SCAC Members and DCA Staff Only!

AFTERNOON SESSION

2019 Proposed Georgia Amendments…… Bill Duck

1. IRC 2018 Section R806.5……Charlie Haack, Dan Lea; NAIMA, CIMA
2. IECC 2015 Table R406.4…… Charlie Haack, NAIMA
3. NEC 2017 210.52 (A) (2) & (4) ……..…….. Bill Abballe, Deidre Leclair; AIA Georgia
4. IECC 2015 C402.5.7……John Conley, Deidre Leclair; AIA Georgia
5. IECC 2015 C405.5.7…… John Conley, Deidre Leclair; AIA Georgia
6. IECC 2015 C405.2.3…… John Conley, Deidre Leclair; AIA Georgia
7. IBC 2018 Chapter 35…… Lawrence Kahn, Prof. Emeritus; GA Tech
8. IBC 2018 Chapter 3401.6…….. Lawrence Kahn, Prof. Emeritus; GA Tech
9. IBC 2018 Chapter 3401.3…….. Lawrence Kahn, Prof. Emeritus; GA Tech

Old Business…… Bill Duck

New Business…….. Bill Duck

Next SCAC Meeting: June 13, 2019…… Bill Duck

Adjournment…… Bill Duck

	SECTION	SUMMARY	PROPONENT	ACTION
IPC-2018-01	**Scope**	The State's minimum requirements for boilers/water heaters and pressure vessels over 200,000 BTU/h (58.61 kW), 210 degrees Fahrenheit or 120 gallons capacity shall be established by O.C.G.A. Title 25, Chapter 15 and the Rules and Regulations of the Office of Insurance and Safety Fire Commissioner. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-02	**Chapter 1**	*Delete Chapter 1 'Administration' without substitution. Chapter 1 to remain in the Code as a reference and guide for local governments in development of their own Administrative Procedures. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-03	**202**	*Add new definition of 'High Efficiency Plumbing Fixtures and Fittings' to read: **HIGH EFFICIENCY PLUMBING FIXTURES AND FITTINGS.** **Dual flush water closet.** A dual flush water closet or toilet that the average flush volume of two reduced flushes and one full flush does not exceed 1.28 gallons and is listed to the WaterSense Tank-Type High Efficiency Toilet Specification. **Kitchen faucet or kitchen faucet replacement aerator.** A kitchen faucet or kitchen faucet replacement aerator that allows a flow of no more than 2.0 gallons of water per minute. **Lavatory faucet or lavatory faucet replacement aerator.** A lavatory faucet or lavatory faucet replacement aerator that allows a flow of no more than 1.5 gallons per minute at a pressure of 60 pounds per square inch and is listed to the WaterSense High Efficiency Lavatory Faucet Specification. **Nonwater urinal.** A urinal that is designed to receive and convey only liquid waste through a trap seal into the gravity drainage system without the use of water for such function. **Single flush water closet.** A single flush water closet or toilet, including gravity, pressure assisted, and electro-hydraulic tank types, that the average flush volume does not exceed 1.28 gallons and is listed to the WaterSense Tank-Type High Efficiency Toilet Specification. **Shower head.** A shower head that allows a flow of no more than the average of 2.5 gallons of water per minute at 60 pounds per square inch of pressure. **Urinal.** A urinal and associated flush valve that uses no more than 0.5 gallons of water per flush and is listed to the WaterSense Specification for Flushing Urinals. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-04	**202**	*Add new definition of 'Lavatory Faucet' to read as follows: **LAVATORY FAUCET.** A faucet that discharges into a lavatory basin in a domestic or commercial installation. (Effective January 1, 2020)	Task Force	**A (CF)**

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IPC-2018-05	**202**	*Revise the definition of 'Plumbing Fixture' to read as follows: **PLUMBING FIXTURE.** A receptacle or device that receives water, waste or both and discharges water, waste, or both into a drainage system, and that is either permanently or temporarily connected to the water distribution system of the premises and demands a supply of water there-from; discharges wastewater, liquid-borne waste materials or sewage either directly or indirectly to the drainage system of the premises; or requires both a water supply connection and a discharge to the drainage system of the premises. The term includes a kitchen sink, utility sink, lavatory, bidet, bathtub, shower, urinal, toilet, water closet, or drinking water fountain. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-06	**202**	*Rename and revise the definition of 'Fixture Fitting' to read as follows: **PLUMBING <u>FIXTURE</u> FITTING.** <u>A device that controls and directs the flow of water or conveys sanitary waste. The term includes a sink faucet, lavatory faucet, showerhead, or bath filler</u>. Supply fitting. A fitting that controls the volume<u>,</u> ~~and/or~~ direction~~al~~ of flow <u>or both</u> of water and is either attached to or ~~accessible~~ <u>accessed</u> from a fixture, or is used with an open or atmospheric discharge. Waste fitting. A combination of components that conveys the sanitary waste from the outlet of a fixture to the connection to the sanitary drainage system. (Effective January 1, 2020)	Task Force	**R (CF)**
IPC-2018-07	**202**	*Add new definition of 'Pressurized Flushing Device' to read as follows: **PRESSURIZED FLUSHING DEVICE.** A device that contains a valve that: 1. Is attached to a pressurized water supply pipe that is of sufficient size to deliver water at the necessary rate of flow to ensure flushing when the valve is open; and 2. Opens on actuation to allow water to flow into the fixture at a rate and in a quantity necessary for the operation of the fixture and gradually closes to avoid water hammer. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-8	**202**	*Revise definition of 'Public sewer' to read as follows: **SEWER** **Public sewer.** That part of the drainage system of pipes installed ~~and~~ <u>or</u> maintained by a city, township, county, public utility company or other public entity, on public property, in the street or in an approved dedicated easement of public or community use. (Effective January 1, 2020)	Task Force	**R (CF)**
IPC-2018-9	**202**	*Add new definition of 'Toilet' to read as follows: **TOILET.** A water closet. (Effective January 1, 2020)	Task Force	**A (CF)**

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IPC-2018-10	**202**	*Add new definition of 'Water Closet' to read as follows: **WATER CLOSET**. A fixture with a water-containing receptor that receives liquid and solid body waste and on actuation conveys the waste through an exposed integral trap into a drainage system and which is also referred to as a toilet. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-11	**202**	*Add new definition of 'WaterSense' to read as follows: **WATERSENSE.** A voluntary program of the United States Environmental Protection Agency designed to identify and promote water efficient products and practices. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-12	**202**	*Add new definition of 'WaterSense Listed Plumbing Fixture or Plumbing Fixture Fitting' to read as follows: **WATERSENSE LISTED PLUMBING FIXTURE OR PLUMBING FIXTURE FITTING.** A plumbing fixture or plumbing fixture fitting that has been tested by an accredited third-party certifying body or laboratory in accordance with the WaterSense Program of the United States Environmental Protection Agency and has been listed (certified) by such body or laboratory as meeting the performance and efficiency requirements of the program and has been authorized by the program to use its label. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-13	**300.1 – 300.7**	*Add new Section 300 'General Applicability Standards' to read as follows: **300.1 Scope.** The provisions of this code shall apply to the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing systems within the state of Georgia. ~~This code shall also regulate nonflammable medical gas, inhalation anesthetic, vacuum piping, nonmedical oxygen systems and sanitary and condensate vacuum collection systems~~. The installation of fuel gas distribution piping and equipment, fuel-gas-fired water heaters and water heater venting systems shall be regulated by the International Fuel Gas Code. **300.2 Appendices.** Appendices are not enforceable unless they are specifically referenced in the body of the code or adopted by the Department of Community Affairs or the authority having jurisdiction. **300.3 Intent.** The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of plumbing equipment and systems. **300.4 Severability.** If any section, subsection, sentence, clause or phrase of this code is for any reason held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this code. **300.5 General.** The provisions of this code shall apply to all matters affecting or relating to structures, as set forth in Section 300. Where, in any specific case, different sections	Task Force	**R (CF)**

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		of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. **300.6 Maintenance.** All plumbing systems, materials and appurtenances, both existing and new, and all parts thereof, shall be maintained in proper operating condition in accordance with the original design in a safe and sanitary condition. All devices or safeguards required by this code shall be maintained in compliance with the code edition under which they were installed. The owner or the owner's designated agent shall be responsible for maintenance of plumbing systems. To determine compliance with this provision, the code official shall have the authority to require any plumbing system to be re-inspected. **300.7 Material and equipment reuse**. Materials, equipment and devices shall not be reused unless such elements have been reconditioned, tested, placed in good and proper working condition and approved. (Effective January 1, 2020)		
IPC-2018-14	**301.1.1**	*Add new Section 301.1.1 'Requirements for high efficiency plumbing fixtures' to read: **301.1.1 Requirements for high efficiency plumbing fixtures.** The installation of high efficiency plumbing fixtures shall be required in all new construction. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-15	**301.1.2**	*Add new Section 301.1.2 'Waiver for requirements of high efficiency plumbing fixtures' to read as follows: **301.1.2 Waiver of requirements for high efficiency plumbing fixtures.** Counties and municipalities are permitted to adopt an ordinance that grants a waiver for an exemption to the requirements for the installation of high efficiency plumbing fixtures relative to new construction and to the repair or renovation of an existing building under the following conditions: 1. When the repair or renovation of the existing building does not include the replacement of the plumbing or sewage system servicing toilets, faucets, or shower heads within such existing building; 2. When such plumbing or sewerage system within such existing building, because of its capacity, design, or installation, would not function properly if the toilets, faucets, or shower heads required by this part were installed; 3. When such system is a well or gravity flow from a spring and is owned privately by an individual for use in such individual's personal residence; or 4. When units to be installed are: a. Specifically designed for use by person with disabilities; b. Specifically designed to withstand unusual abuse or installation in a penal institution; or c. Toilets for juveniles. (Effective January 1, 2020)	Task Force	**A (CF)**

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IPC-2018-16	**301.4**	* Revise Section 301.4 'Connections to water supply' to add exception as follows: **~~301.4~~ 1304.3.2 Connections to water supply.** **~~Exception:~~** Reclaimed water provided from a reclaimed wastewater treatment facility permitted by the Environmental Protection Division may be used to supply water closets, urinals, trap primers for floor drains and floor sinks, water features and other uses approved by the Authority Having Jurisdiction, in motels, hotels, apartment and condominium buildings, and commercial, industrial, and institutional buildings, where the individual guest or occupant does not have access to plumbing. Also, other systems that may use a lesser quality of water than potable water such as water chillers, carwashes or an industrial process may be supplied with reclaimed water provided from a reclaimed wastewater treatment facility permitted by the Environmental Protection Division. (Effective January 1, 2020)	Task Force	**R (CF)**
IPC-2018-17	**305.4.1**	*Revise Section 305.4.1 'Sewer depth' to read as follows: **305.4.1 Sewer depth.** Building sewers shall be a minimum of 6 inches (152.4 mm) below grade. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-18	**306.3**	*Revise Section 306.3 'Backfilling' to read as follows: **306.3 Backfilling.** Loose earth free from rocks, broken concrete, frozen chunks and other rubble, shall be placed in the trench in 6-inch (152.4 mm) layers and tamped in place until the crown of the pipe is covered by a minimum of 6 inches (152.4 mm) of tamped earth. The backfill under and beside the pipe shall be compacted for pipe support. Backfill shall be brought up evenly on both sides of the pipe so that the pipe remains aligned. In instances where the manufacturer's installation instructions for materials are more restrictive than those prescribed by the code, the material shall be installed in accordance with the more restrictive requirement. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-19	**306.5**	*Add new Section 306.5 'Open trenches' as follows: **306.5 Open trenches.** All excavations required to be made for the installation of a building sewer, building drainage system, or any part thereof within the walls of a building shall be open trench work and shall be kept open until the piping has been inspected, tested and approved. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-20	**311**	*Delete Section 311 'Toilet Facilities for Workers' without substitution. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-21	**314**	*Delete Section 314 'Condensate Disposal' without substitution. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-22	**401.4**	*Add new Section 401.4 'Prohibited locations' as follows: **401.4 Prohibited Locations.** No floor drains or other plumbing fixtures except electric water heaters shall be installed in a room containing air handling machinery when such room is used as a plenum.	Task Force	**A (CF)**

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		Exception: Deep-seal trap floor drains consisting of a minimum 4-inch (102 mm) seal and supplied with a trap primer connected to a water distribution pipe shall be permitted. (Effective January 1, 2020)		
IPC-2018-23	**T403.1**	*Revise Table 403.1 'Minimum Number of Required Plumbing Fixtures[a]' to delete the requirements for 'service sink' without substitution. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-24	**T403.1**	*Revise Table 403.1 'Minimum Number of Required Plumbing Fixtures[a]' by adding the following requirement under the column labeled 'Other' for line number '7' descriptions; 'One- and two-family dwellings' and 'Apartment house': Detached single-family, duplex and multi-family dwelling structures three stories or less in height shall have not less than two exterior hose bibs, sill cocks or outside hydrants with one being located on the side or rear of the structure. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-25	**403.3.3**	*Revise exception of Section 403.3.3 'Location of toilet facilities in occupancies other than covered malls' to read as follows: **403.3.3 Location of toilet facilities in occupancies other than covered malls.** **Exception:** The location and maximum travel distances to required employee toilet facilities in factory, storage and industrial occupancies are permitted to exceed that required by this section, provided that the location and maximum travel distance are approved. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-26	**406.2**	*Revise Section 406.2 'Waste connection' to read as follows: **406.2 Waste connection.** The waste from an automatic clothes washer shall discharge through an air break into a standpipe in accordance with Section 802.4 or into a laundry sink. The trap and fixture drain for an automatic clothes washer standpipe shall be a minimum of 2 inches (51 mm) in diameter. The automatic clothes washer fixture drain shall connect to a building drain, branch drain or drainage stack a minimum of 3 inches (76 mm) in diameter. Automatic clothes washers that discharge by gravity shall be permitted to drain to a waste receptor or an approved trench drain. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC 2018-27	**410.1**	**Section 410.1 'Small occupancies.'** Drinking fountains shall not be required for an occupant load of ~~**15**~~ **25** or fewer. (Effective January 1, 2020)	Task Force	**R**
IPC-2018-28	**416.5**	*Revise section 416.5 'Tempered water for public hand-washing facilities' as follows: ~~**416.5**~~ **419.5 Tempered water for public hand-washing facilities.** *Tempered water* may be delivered from lavatories and group wash fixtures located in public toilet facilities provided for customers, patrons and visitors. If provided, *tempered water* shall be	Task Force	**R (CF)**

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		delivered through an *approved* water-temperature limiting device that conforms to ~~ASSE 1070 or CSA B125.3~~ <insert new code reference standards. (Effective January 1, 2020)		
IPC-2018-29	**419.1**	*Revise Section 419.1 'Approval' to read as follows: **~~419.1~~ 424.1 Approval.** Urinals shall conform to ANSI Z124.9, ASME A112.19.2/CSA B45.1, ASME A112.19.19 or CSAB45.5. Urinals shall conform to the water consumption requirements of Section 604.4. Water-supplied urinals shall conform to the hydraulic performance requirements of ASME A112.19.2/CSA B45.1 or CSA B45.5. High efficiency urinals with pressurized flushing devices and flush tank (gravity type) flushing devices shall be listed to the WaterSense Specification for Flushing Urinals and shall conform to ASME A112.19.2/CSA B45.1. Non-water urinals shall conform to ASME A112.19.3/CSA B45.4 or A112.19.19, CSA B45.4. Where non-water urinals are employed, they shall be cleaned and maintained in accordance with the manufacturer's instructions after installation. Where nonwater urinals are installed they shall have a properly sized water distribution line roughed-in to the urinal location at a minimum height of 56 inches (1,422 mm) to allow for the installation of an approved backflow prevention device in the event of a retrofit. Such water distribution lines shall be installed with shut-off valves located as close as possible to the distributing main to prevent the creation of dead ends. Where nonwater urinals are installed, a minimum of one water supplied fixture rated at a minimum of one water supply fixture unit shall be installed upstream on the same drain line to facilitate drain line flow and rinsing. (Effective January 1, 2020)	Task Force	**R (CF)**
IPC-2018-30	**420.1**	*Revise Section 420.1 'Approval' to read as follows: **~~420.1~~ 425.1 Approval.** Water closets shall conform to the water consumption requirements of Section 604.4 and shall conform to ANSI Z124.4, ASME A112.19.2/CSA B45.1, ASME A 112.19.3/CSA B45.4 or CSA B45.5. Water closets shall conform to the hydraulic performance requirements of ASME A112.19.2/CSA B45.1. Water closet tanks shall conform to ANSI Z124.4, ASME A112.19.2/CSA B45.1, ASME A 112.19.3/CSA B45.4 or CSA B45.5. Electro-hydraulic water closets shall comply with ASME A112.19.2/CSA B45.1. High efficiency single flush and dual-flush toilets or water closets shall conform to ASME A112.19.2/CSA B45.1 and ASME A112.19.14. (Effective January 1, 2020)	Task Force	**R (CF)**
IPC-2012-31	**424.1**	*Revise Section 424.1'Approval' to add a new paragraph at the end of the section: **~~424.1~~ 412.1 Approval.** Faucets and fixture fittings shall conform to ASME A112.18.1/CSA B125.1. Faucets and fixture fittings that supply drinking water for human ingestion shall conform to the requirements of NSF 61, Section 9. Flexible water	Task Force	**R (CF)**

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		connectors exposed to continuous pressure shall conform to the requirements of Section 605.6. High efficiency lavatory faucets or lavatory faucet replacement aerators in private use, such as, in residences and apartments, and private (nonpublic) restrooms in hotels and hospitals shall be listed to the WaterSense High Efficiency Lavatory Faucet Specification. **424.1.1 Faucets and supply fittings.** Faucets and supply fittings shall conform to the water consumption requirements of Section 604.4. **424.1.2 Waste fittings.** Waste fittings shall conform to ASME A112.18.2/CSA B125.2, ASTM F 409 or to one of the standards listed in Tables 702.1 and 702.4 for above-ground drainage and vent pipe and fittings. (Effective January 1, 2020)		
IPC-2018-32	**501.9**	*Add new Section 501.9 'Water heaters over 200,000 BTU/h' to read as follows: **501.9 Water heaters over 200,000 BTU/h.** The State's minimum requirements for boilers /water heaters and pressure vessels over 200,000 BTU/h (58.61 kW), 210 degrees Fahrenheit or 120 gallons capacity shall be established by O.C.G.A. Title 25, Chapter 15 and the Rules and Regulations of the Office of Insurance and Safety Fire Commissioner. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-33	**504.6**	*Revise Section 504.6 'Requirements for discharge' to read as follows: **504.6 Requirements for discharge piping.** The discharge piping serving a pressure relief valve, temperature relief valve or combination thereof shall: 1. Not be directly connected to the drainage system. ~~2. Discharge through an *air gap* located in the same room as the water heater.~~ ~~3.~~ 2. Not be smaller than the diameter of the outlet of the valve served and shall discharge full size to the *airgap*. ~~4~~ 3. Serve a single relief device and shall not connect to piping serving any other relief device or equipment. ~~5.~~ 4. Discharge to the floor, to the pan serving the water heater or storage tank, to a waste receptor or to the outdoors. ~~6.~~ 5. Discharge in a manner that does not cause personal injury or structural damage. ~~7.~~ 6. Discharge to a termination point that is readily observable by the building occupants. ~~8. Not be trapped.~~ ~~9. Be installed so as to flow by gravity.~~ 7. When the relief valve discharge piping goes upward, a thermal expansion control device shall be installed on the cold-water distribution or service pipe in accordance with Section 607.3.2. If the discharge pipe is trapped, provisions shall be made to drain the low point of the trapped portion of the discharge pipe.	Task Force	**R (CF)**

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<table>
<tr><td></td><td></td><td>~~10.~~ 8. Terminate not more than 6 inches (152 mm) above and not less than two times the discharge pipe diameter above the floor or *flood level rim* of the waste receptor.
~~11.~~ 9. Not have a threaded connection at the end of such piping.
~~12.~~ 10. Not have valves or tee fittings.
~~13.~~ 11. Be constructed of those materials listed in Section 605.4 or materials tested, rated and *approved* for such use in accordance with ASME A112.4.1.
~~14.~~ 12. Be one nominal size larger than the size of the relief valve outlet, where the relief valve discharge piping is installed with insert fittings. The outlet end of such tubing shall be fastened in place.
(Effective January 1, 2020)</td><td></td><td></td></tr>
<tr><td>IPC-2018-34</td><td>506</td><td>*Add new Section 506 ‘Minimum Capacities for Residential Water Heaters’ as follows:

SECTION 506
MINIMUM CAPACITIES FOR RESIDENTIAL WATER HEATERS

506.1 General. Water heaters installed in residential occupancies shall be sized in accordance with Table 506 or the manufacturer’s recommendations. The water heater must at a minimum meet ~~the Storage requirements or~~ the First Hour Rating (FHR) requirements of Table 506.
(Effective January 1, 2020)</td><td>Task Force</td><td>R
(CF)</td></tr>
<tr><td>IPC-2018-35</td><td>T506</td><td>*Add new Table 506 'Minimum Capacities for Residential Water Heaters’ as follows:

<table>
<tr><th colspan="10">TABLE 506
MINIMUM CAPACITIES FOR RESIDENTIAL WATER HEATERS[1, 2, 3]</th></tr>
<tr><th colspan="2">Fuel</th><th>Gas</th><th>Elec</th><th>Gas</th><th>Elec</th><th>Gas</th><th>Elec</th><th>Gas</th><th>Elec</th></tr>
<tr><th colspan="2"># of Bedrooms</th><th colspan="2">1</th><th colspan="2">2</th><th colspan="2">3</th><th colspan="2">….</th></tr>
<tr><th>1 to 1 ½ Baths</th><th>FHR (gal)</th><th>40</th><th>40</th><th>45</th><th>45</th><th>48</th><th>48</th><th>….</th><th>….</th></tr>
<tr><th colspan="2"># of Bedrooms</th><th colspan="2">2</th><th colspan="2">3</th><th colspan="2">4</th><th colspan="2">5</th></tr>
<tr><th>2 to 2 ½ Baths</th><th>FHR (gal)</th><th>47</th><th>47</th><th>60</th><th>60</th><th>62</th><th>62</th><th>70</th><th>70</th></tr>
<tr><th colspan="2"># of Bedrooms</th><th colspan="2">3</th><th colspan="2">4</th><th colspan="2">5</th><th colspan="2">6</th></tr>
</table></td><td>Task Force</td><td>R
(CF)</td></tr>
</table>

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<table>
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<table>
<tr><td>3 to 3 ½ Baths</td><td>FHR (gal)</td><td>60</td><td>60</td><td>67</td><td>67</td><td>70</td><td>70</td><td>72</td><td>72</td></tr>
</table>
FHR= First Hour Rating, 1 ga1=3.7854 L, 1 gph=1.05 mL/s
1. Tankless Water Heaters shall be sized and installed per manufacturer's recommendations.
2. Water heaters for single family dwellings having more than six bedrooms and/or 3 ½ baths shall be sizedper manufacturer's recommendations.
3. Table 506 reflects the minimum requirements for one or multiple water heating units.
(Effective January 1, 2020)</td><td></td><td></td></tr>
<tr><td>IPC-2018-36</td><td>T604.4</td><td>*Revise Table 604.4 to read as follows:

TABLE 604.4
MAXIMUM FLOW RATES AND CONSUMPTION FOR
PLUMBING FIXTURES AND FIXTURE FITTINGS
<table>
<tr><th>PLUMBING FIXTURE OR FIXTURE FITTING</th><th>MAXIMUM FLOW RATE OR QUANTITY[b]</th></tr>
<tr><td>Lavatory, private</td><td>1.5[f] gpm at 60 psi</td></tr>
<tr><td>Lavatory, public (metering)</td><td>0.25 gallon per metering cycle</td></tr>
<tr><td>Lavatory, public (other than metering)</td><td>0.5 gpm at 60 psi</td></tr>
<tr><td>Shower head[a]</td><td>2.5 gpm at 60[f] psi</td></tr>
<tr><td>Sink faucet</td><td>2.0[f] gpm at 60 psi</td></tr>
<tr><td>Urinal</td><td>0.5[f] gallons per flushing cycle</td></tr>
<tr><td>Water closet</td><td>1.28[c, d, e, f] gallons per flushing cycle</td></tr>
</table>
For SI: 1 gallon = 3.785 L, 1 gallon per minute = 3.785 L/m, 1 pound per square inch = 6.895 kPa.
a. A hand-held shower spray is a shower head.
b. Consumption tolerances shall be determined from referenced standards.
c. For flushometer valves and flushometer tanks, the average flush volume shall not exceed 1.28 gallons.
d. For single flush water closets, including gravity, pressure assisted and electro-hydraulic tank types, the average flush volume shall not exceed 1.28 gallons.
e. For dual flush water closets, the average flush volume of two reduced flushes and one full flush shall not exceed 1.28 gallons.
f. See 2014 GA Amendment to Section 301.1.2 'Waiver from requirements of high efficiency plumbing fixtures'
(Effective January 1, 2020)</td><td>Task Force</td><td>A (CF)</td></tr>
<tr><td>IPC-2018-37</td><td>605.9</td><td>*Revise Section 605.9 'Prohibited joints and connections' Item 4. Saddle-type fittings to add the following exception:
605.9 Prohibited joints and connections.</td><td>Task Force</td><td>A (CF)</td></tr>
</table>

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(CF) - Designates an existing GA Amendment proposed to be carried forward
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		4. Saddle-type fittings. **Exception:** Saddle-type fittings can be used to connect refrigerator ice makers and humidifiers to an existing residential unit water distribution system provided that the manufacturer's installation instructions for the distribution piping do not prohibit the use of saddle fittings. (Effective January 1, 2020)		
IPC-2018-38	**605.14.3**	*Revise Section 605.14.3 'Soldered joints' to read as follows: **605.14.3 Soldered joints.** Solder joints shall be made in accordance with the methods of ASTM B 828 except a flux conforming to NSF 61 shall be used. Cut tube ends shall be reamed to the full inside diameter of the tube end. Joint surfaces shall be cleaned. The joint shall be soldered with a solder conforming to ASTM B 32. The joining of water supply piping shall be made with lead-free solder and fluxes. "Lead free" shall mean a chemical composition equal to or less than 0.2-percent lead. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-39	**605.15.4**	*Revise Section 605.15.4 'Soldered joints' to read as follows: **605.15.4 Soldered joints.** Solder joints shall be made in accordance with the methods of ASTM B 828 except a flux conforming to NSF 61 shall be used. All cut tube ends shall be reamed to the full inside diameter of the tube end. All joint surfaces shall be cleaned. The joint shall be soldered with a solder conforming to ASTM B 32. The joining of water supply piping shall be made with lead-free solders and fluxes. "Lead free" shall mean a chemical composition equal to or less than 0.2-percent lead. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-40	**606.2**	*Revise Section 606.2 'Location of shutoff valves' to add Location #4 as follows: **606.2 Location of shutoff valves.** 4. Shutoff valves to water supplies for refrigerators with automatic icemakers shall ~~be accessible~~ shall have access on the same floor as said refrigerators. (Effective January 1, 2020)	Task Force	**R (CF)**
IPC-2018-41	**607.1**	*Revise Section 607.1 'Where required' to read as follows: **607.1 Where required.** In residential occupancies, hot water shall be supplied to plumbing fixtures and equipment utilized for bathing, washing, culinary purposes, cleansing, laundry or building maintenance. In nonresidential occupancies, hot water shall be supplied for culinary purposes, cleansing, laundry or building maintenance purposes. In nonresidential occupancies, hot water or tempered water shall be supplied for bathing and washing purposes except for hand-washing facilities. Accessible hand washing facilities regardless of the facility shall not be required to be supplied with hot water or tempered water. (Effective January 1, 2020)	Task Force	**A (CF)**

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IPC-2018-42	**608.16.5**	*Revise Section 608.16.5 'Connections to lawn irrigation systems' to read as follows: **~~608.16.5~~ 608.17.5 Connections to lawn irrigation systems.** The potable water supply to lawn irrigation systems shall be protected against backflow by an atmospheric-type vacuum breaker, a pressure-type vacuum breaker assembly, a double-check backflow prevention assembly or a reduced pressure principle backflow preventer prevention assembly. Valves shall not be installed downstream from an atmospheric vacuum breaker. Where chemicals are introduced into the system interconnected chemical dispensers are used in conjunction with the lawn irrigation systems, the potable water supply shall be protected against backflow by a reduced pressure principle backflow prevention assembly preventer. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-43	**610.1**	*Revise first Section 610.1 'General' to read as follows: **610.1 General.** New or repaired potable water systems shall be flushed and purged of deleterious matter and disinfected prior to utilization. The method to be followed shall be that prescribed by the health authority or water purveyor having jurisdiction or, in. Systems that cannot be adequately flushed and purged may require disinfection in accordance with a prescribed method. In the absence of a prescribed method, the procedure described in either AWWA C651 or AWWA C652, or as described in this section shall apply. This requirement shall apply to "on-site" or "in-plant" fabrication of a system or to a modular portion of a system. 1. The pipe system shall be flushed with clean, potable water until dirty water does not appear at the points of outlet. 2. The system or part thereof shall be filled with a water/chlorine solution containing not less than 50 parts per million (50 mg/L) of chlorine, and the system or part thereof shall be valved off and allowed to stand for 24hours; or the system or part thereof shall be filled with a water/chlorine solution containing not less than 200parts per million (200 mg/L) of chlorine and allowed to stand for 3 hours. 3. Following the required standing time, the system shall be flushed with clean potable water until the chlorine is purged from the system. 4. The procedure shall be repeated where shown by a bacteriological examination. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-44	**705.14.2**	Revise Section 705.14.2 'Solvent cementing' to read as follows: **705.14.2 Solvent cementing.** Joint surfaces shall be clean and free from moisture. If a primer is required by the solvent manufacturer, a purple primer that conforms to ASTM F 656 shall be applied. Solvent cement not purple in color and conforming to ASTM D 2564, CSA B137.3, CSA B181.2 or CSA B182.1 shall be applied to all joint surfaces. The joint shall be made while the cement is wet and shall be in accordance with ASTM D 2855. Solvent-cement joints shall be permitted above or below ground. (Effective January 1, 2020)	Task Force	**A (CF)**

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IPC-2018-45	**706.3**	*Revise Section 706.3 'Installation of fittings' to read as follows and delete the exception: **706.3 Installation of fittings.** Fittings shall be installed to guide sewage and waste in the direction of flow. Change in direction shall be made by fittings installed in accordance with Table 706.3. Change in direction by combination fittings, side inlets or increasers shall be installed in accordance with Table 706.3 based on the pattern of flow created by the fitting. Double sanitary tee patterns shall not receive the discharge of back-to-back fixtures or appliances with pressure or pumping action discharge. Water closets shall not be combined with fixtures other than water closets on a double drainage fitting. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-46	**706.4**	*Delete Section 706.4 'Heel- or side-inlet quarter bends' entirely without substitution. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-47	**708.3.2**	*Revise Section 708.3.2 'Building sewers' to read as follows: ~~**708.3.2**~~ **708.1.2 Building sewers.** Building sewers shall be provided with cleanouts located not more than 100 feet (30 480 mm) apart measured from the upstream entrance of the cleanout. An additional cleanout shall be provided within 10 feet (3048 mm) of the public right of way. For building sewers 8 inches (203 mm) and larger, manholes shall be provided and located at each change in direction and at intervals of not more than 400 feet (122 m). Manholes and manhole covers shall be of an approved type. (Effective January 1, 2020)	Task Force	**R (CF)**
IPC-2018-48	**708.3.5**	*Revise Section 708.3.5 'Building drain and building sewer junction' to read as follows: ~~**708.3.5**~~ **708.1.3 Building drain and building sewer junction.** There shall be a cleanout installed at or near the junction of the building drain and the building sewer. The cleanout shall be outside the building wall unless otherwise approved and shall be brought up to finished ground level. An approved two-way cleanout is allowed to be used at this location to serve as a required cleanout for both the building drain and building sewer. (Effective January 1, 2020)	Task Force	**R (CF)**
IPC-2018-49	**708.7**	*Revise first sentence of Section 708.7 'Minimum size' to read as follows: ~~**708.7**~~ **708.1.5 Minimum size.** Cleanouts shall be the same nominal size as the pipe they are connected to, ~~up to 4 inches (102 mm). For pipes….(Remainder of Section left unchanged)~~ except that cleanouts for pipes larger than 4 inches (102 mm) need not be larger than 4 inches (102 mm). **Exceptions:** 1. A removable P-trap with slip or ground joint connections can serve as a clean-out for drain piping that is one size larger than the P-trap size. 2. Cleanouts located on *stacks* can be one size smaller than the *stack* size. 3. The size of cleanouts for cast-iron piping can be in accordance with the referenced standards for cast-iron fittings as indicated in Table 702.4. (Effective January 1, 2020)	Task Force	**R (CF)**

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IPC-2018-50	**903.1**	Revise Section 904.1 'Roof extension' to read as follows: **903.1 Roof extension.** Open vent pipes that extend through a roof shall be terminated not less than 6 inches (155 mm) above the roof, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall terminate not less than 7 feet (2134 mm) above the roof. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-51	**909.1**	*Delete exception to Section 909.1 'Distance of trap from vent' without substitution. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-52	**913.2**	*Revise Section 913.2 'Stack installation' to read as follows: **913.2 Stack installation.** The waste stack shall be vertical. *Fixture* drains shall connect separately to the waste stack. The stack shall not receive the discharge of water closets or urinals. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-53	**914.2**	***Revise Section 914.2 'Vent connection' to read as follows: **914.2 Vent connection.** The circuit vent connection shall be located between the two most upstream fixture drains. The vent shall connect to the horizontal branch and shall be installed in accordance with Section 905. The circuit vent may receive waste discharge from fixtures located within the same branch interval, provided that the wet portion remains the same size as the horizontal branch. (Effective January 1, 2020)	Task Force	**A (CF)**
IPC-2018-54	**1002.1**	*Revise first paragraph of Section 1002.1 'Fixture traps' to read as follows: **1002.1 Fixture traps**. Each plumbing fixture shall be separately trapped by a water-seal trap, except as otherwise permitted by this code. The trap shall be placed as close as possible to the fixture outlet. The vertical distance from the fixture outlet to the trap weir shall not exceed 24 inches (610 mm). The distance of a clothes washer standpipe above a trap shall conform to Section 802.4.3. A fixture shall not be double trapped. (Effective January 1, 2020)	Task Force	**R (CF)**
IPC-2018-55	~~**1303.1**~~ **1407.1**	*Add a new Section 1407.1 'Gray Water' to read as follows: **1407.1 Gray Water.** Gray water may be used for subsurface irrigation of landscape and shall be permitted by the local county health department in accordance with Georgia Department of Human Resources regulations as a separate onsite sewage management system. Permits and inspections are required by the local county health department. (Effective January 1, 2020)	Task Force	**R (CF)**

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<table>
<tr><td>IPC-2018-56</td><td>Chapter 15</td><td>*Revise Chapter 15 Reference Standards to add the following new reference standards for WaterSense:
<table>
<tr><td>WATERSENSE</td><td>WaterSense
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460</td></tr>
<tr><td colspan="2">WaterSense: Tank-Type High Efficiency Toilet Specification</td></tr>
<tr><td colspan="2">202, 420.1</td></tr>
<tr><td colspan="2">WaterSense: Specification for Flushing Urinals</td></tr>
<tr><td colspan="2">202, 419.1</td></tr>
<tr><td colspan="2">WaterSense: High-Efficiency Lavatory Faucet Specification</td></tr>
<tr><td colspan="2">202</td></tr>
</table>
(Effective January 1, 2020)</td><td></td><td>A
(CF)</td></tr>
<tr><td colspan="5">End of IPC Report</td></tr>
</table>

ITEM	SECTION	SUMMARY	PROPONENT	ACTION
ISPSC-2018-01	**Preface**	**GEORGIA STATE MINIMUM REQUIREMENTS FOR PUBLIC SWIMMING POOLS** The State's minimum requirements for public swimming pools shall be in accordance with O.C.G.A. 31-45-13 and the Rules and Regulations of the Georgia Department of Public Health and this code. Contact the County Health Department for any local rules and regulations governing public swimming pools in effect n or after December 31, 2000. (Effective January 1, 2020)	Task Force	**A (CF)**
ISPSC-2018-02	**Chapter 1**	*Delete Chapter 1 'Scope and Administration' entirely without substitution. Chapter 1 to remain in the Code as a reference and guide for local governments to use in the development of their own *Administrative Procedures.* (Effective January 1, 2020)	Task Force	**A**
ISPSC-2018-03	**300.1-300.11**	**SECTION 300 SCOPE** **[A] 300.1 Scope.** The provisions of this code shall apply to the construction, alteration, movement, renovation, replacement, repair and maintenance of aquatic recreation facilities, pools and spas. The pools and spas covered by this code are either permanent or temporary, and shall be only those that		

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		re designed and manufactured to be connected to a circulation system and that are intended for swimming, bathing or wading. **300.1.1 Flotation tanks.** Flotation tank systems intended for sensory deprivation therapy shall not be included in the scope of this code. **[A] 300.2 General.** Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall govern. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. **[A] 300.3 Existing installations.** Any pool or spa and related mechanical, electrical and plumbing systems lawfully in existence at the time of the adoption of this code shall be permitted to have their use and maintenance continued if the use, maintenance or repair is in accordance with the original design and no hazard to life, health or property is created. **[A] 300.4 Maintenance.** Pools and spas and related mechanical, electrical and plumbing systems, both existing and new, and parts thereof, shall be maintained in proper operating condition in accordance with the original design in a safe and sanitary condition. Devices or safeguards that are required by this code shall be maintained in compliance with the edition of the code under which they were installed. The owner or the owner's authorized agent shall be responsible for maintenance of systems. To determine compliance with this provision, the code official shall have the authority to require any system to be re-inspected. **[A] 300.5 Additions, alterations or repairs.** Additions, alterations, renovations or repairs to any plumbing system shall conform to that required for a new plumbing system without requiring the existing plumbing system to comply with all the requirements of this code. Additions, alterations or repairs shall not cause an existing system to become unsafe, insanitary or overloaded. Minor additions, alterations, renovations and repairs to existing plumbing systems shall meet the provisions for new construction, unless such work is		

ITEM	SECTION	SUMMARY	PROPONENT	ACTION
		done in the same manner and arrangement as was in the existing system, is not hazardous and is *approved*. **[A] 300.6 Historic buildings**. The provisions of this code relating to the construction, alteration, repair, enlargement, restoration, relocation or moving of pools, spas or systems shall not be mandatory for existing pools, spas or systems identified and classified by the state or local jurisdiction as part of a historic structure whe**re** such pools, spas or systems are judged by the code official to be safe and in the public interest of health, safety and welfare regarding any proposed construction, alteration, repair, enlargement, restoration, relocation or moving of such pool or spa. **[A] 300.7 Moved pools and spas.** Except as determined by Section 102.2, systems that are a part of a pool, spa or system moved into or within the jurisdiction shall comply with the provisions of this code for new installations. **[A] 300.8 Referenced codes and standards.** The codes and standards referenced in this code shall be those that are listed in Chapter 11 and such codes and standards shall be considered as to be part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and the referenced standards, the provisions of this code shall be the minimum requirements. **[A] 300.8.1 Application of the International Codes.** Where the *International Residential Code* is referenced in this code, the provisions of the *International Residential Code* shall apply to related systems in detached one- and two-family dwellings and townhouses not more than three stories in height. Other related systems shall comply with the applicable International Code or referenced standard. **[A] 300.9 Requirements not covered by code.** Any requirements necessary for the strength, stability or proper operation of an existing or proposed plumbing system, or for the public safety, health and general welfare, not specifically covered by this code shall be determined by the code official. **[A] 300.10 Other laws.** The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law.		

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ITEM	SECTION	SUMMARY	PROPONENT	ACTION
		[A] 300.11 Application of references. Reference to chapter section numbers, or to provisions not specifically identified by number, shall be construed to refer to such chapter, section or provision of this code. (Effective January 1, 2020)		
ISPSC-2018-04	**Figure 702.2**	*Delete Figure 702.2 and last sentence of Section 702.2 'Type A and Type B ladders'. (Effective January 1, 2020)	Task Force	**A (CF)**
End of ISPSC Report.				

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Proposed Amendments (added text to the code is: <u>underlined</u>, deleted text to the code is: ~~struck through~~)

ITEM NUMBER	ARTICLE	SUMMARY	PROPONENT	ACTION
IMC-2018-1	**Scope**	***Add 'Scope' to read as follows: **<u>SCOPE:</u>** The provisions of the *Georgia State Minimum Standard Mechanical Code* shall regulate the design, installation, maintenance, *alteration* and inspection of mechanical systems that are permanently installed and utilized to provide control of environmental conditions and related processes within buildings. This code shall also regulate those mechanical systems, system components, *equipment* and appliances specifically addressed herein. The installation of fuel gas distribution piping and *equipment*, fuel gas-fired appliances and fuel gas-fired *appliance* venting systems shall be regulated by the Georgia State Minimum Standard *Gas Code (International Fuel Gas Code with Georgia Amendments*. **Exception:** Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the *International Residential Code.* Motion to approve as Revised by Elaine Powers: 2nd by: Passed: Unanimous	Task Force	**R**
IMC-2018-2	**Scope**	The State's minimum requirements for boilers/water heaters and pressure vessels over 200,000 BTU/h (58.61 kW), 210 degrees Fahrenheit or 120 gallons capacity shall be established by O.C.G.A. Title 25, Chapter 15 and the Rules and Regulations of the Office of Insurance and Safety Fire Commissioner. Motion to approve and carry forward as written by: Chip Greene 2nd by: Stan Everett Passed: Unanimous	Task Force	**CF**

<table>
<tr>
<td>IMC-2018-3</td>
<td>Scope</td>
<td>*Add ‘Code Reference Guide’ as an Exception to ‘Scope’ as follows:

Exception: The following table titled ‘Codes Reference Guide’ establishes specific primary and supplementary code applications and is to be applied by the authority having jurisdiction.

<table>
<tr><th colspan="3">CODES REFERENCE GUIDE</th></tr>
<tr><th>Area</th><th>Primary</th><th>Supplement</th></tr>
<tr><td>Occupancy Classification</td><td>LSC</td><td>IBC</td></tr>
<tr><td>Building Construction Types Including allowable height, allowable building areas, and the requirements for sprinkler protection related to minimum building construction types.</td><td>IBC</td><td>LSC</td></tr>
<tr><td>Means of Egress</td><td>LSC</td><td>NONE</td></tr>
<tr><td>Standpipes</td><td>IBC</td><td>IFC</td></tr>
<tr><td>Interior Finish</td><td>LSC</td><td>NONE</td></tr>
<tr><td>HVAC Systems</td><td>IMC</td><td>NONE</td></tr>
<tr><td>Vertical Openings</td><td>LSC</td><td>NONE</td></tr>
<tr><td>Sprinkler Systems minimum construction standard</td><td>LSC</td><td>NONE</td></tr>
<tr><td>Fire Alarm Systems</td><td>LSC</td><td>NONE</td></tr>
<tr><td>Smoke Alarms and Smoke Detection Systems</td><td>State Statute and LSC</td><td>NONE</td></tr>
</table>
</td>
<td>Task Force</td>
<td>CF</td>
</tr>
</table>

		<table><tr><td>Portable Fire Extinguishers</td><td>IFC</td><td>NONE</td></tr><tr><td>Cooking Equipment</td><td>LSC and NFPA 96</td><td>NONE</td></tr><tr><td>Fuel Fired Appliances</td><td>IFGC</td><td>NFPA 54</td></tr><tr><td>Liquid Petroleum Gas</td><td>NFPA 58</td><td>NFPA 54</td></tr><tr><td>Compressed Natural Gas</td><td>NFPA 52</td><td>NONE</td></tr></table> Motion to approve and carry forward as written by: Chip Greene 2nd by: Stan Everett Passed: Unanimous		
IMC-2018-4	**Chapter 1**	*Delete Chapter 1 'Administration' without substitution. Chapter 1 to remain in the Code as a *reference and* guide for local governments in the development of their own *Administrative Procedures*. Motion to approve and carry forward as written by: Stan Everett 2nd by: Mark Rice Passed: Unanimous	Task Force	**CF**
IMC-2018-5	**202**	***Add new definition for 'Cooling Tower' to read as follows: **COOLING TOWER.** A building heat removal device used to transfer process waste heat to the atmosphere. Motion to disapprove and not carry forward by: Michael Knox 2nd by: Chip Green Passed: Unanimous	Task Force	**D**

IMC-2018-6	**202**	*Add Definition of 'MAKE-UP AIR' to read as follows: **MAKE-UP AIR**. SEE ENVIRONMENTAL AIR Motion to approve and carry forward as written by: Michael Knox 2nd by: Chip Green Passed: Unanimous	Task Force	**CF**
IMC-2018-8	**301.1**	*Revise Section 301.1 ' Scope' to read as follows: **301.1 Scope.** This chapter shall govern the approval and installation of all equipment and appliances that comprise parts of the building mechanical systems regulated by this code. Motion to approve and carry forward as written by: Michael Knox 2nd by: Stan Everett Passed: Unanimous	Task Force	**CF**
IMC-2018-9	**301.2**	*Revise Section 301.2 'Energy utilization' read as follows: **301.2 Energy utilization.** Heating, ventilating and air-conditioning systems of all structures shall be designed and installed for efficient utilization of energy in accordance with the *International Energy Conservation Code*. Cooling towers installed in new construction shall be in compliance with ASHRAE, Standard 90.1. Motion to approve and carry forward as written by: Michael Brown 2nd by: Stan Everett Passed: Unanimous	Task Force	**CF**

IMC-2018-10	**301.3**	* Revise Section 301.3 'Identification' to read as follows: **301.3 Identification.** Each length of pipe and tubing utilized in a mechanical system shall bear the identification of the manufacturer. If not provided on the packaging or crating or by other approved documentation, each pipe fitting, utilized in a mechanical system, shall bear the identification of the manufacturer. Motion to disapprove and NOT carry forward as written by: Stan Everett 2nd by: Michael Knox Passed: Unanimous	Task Force	**D**
IMC-2018-11	**301.4**	*Revise Section 301.4 'Plastic pipe, fittings and components' to read as follows: **301.4 Plastic pipe, fittings and components.** Plastic pipe, fittings and components shall conform to NSF 14. Motion to disapprove and NOT carry forward as written by: Stan Everett 2nd by: Michael Knox Passed: Unanimous	Task Force	**D**
IMC-2018-13	**301.5**	*Delete Section 301.5'Third-party testing and certification' and substitute to read as follows: **301.5 Application.** All piping, tubing and fittings shall comply with the applicable referenced standards, specifications and performance criteria of this code and shall be identified in accordance with Section 301.3 Motion to disapprove and NOT carry forward as written by: Mark Rice 2nd by: Stan Everett Passed: Unanimous	Task Force	**D**

IMC-2018-14	**301.7**	*Revise Section 301.7 ' Listed and labeled' to read as follows: **301.7 Listed and labeled.** Appliances regulated by this code shall be *listed* and *labeled* for the application in which they are installed and used, unless otherwise approved. **Exception** to Remain Motion to approve as revised by: Mark Rice 2nd by: Michael Knox Passed: Unanimous	Task Force	**R**
IMC-2018-15	**301.19**	*Add new Section 301.19 'Related Fire Codes' to read as follows: **301.19 Related fire codes.** Any reference to the *International Fire Code* and/or NFPA standards in any chapter of this code shall be to the latest edition as adopted and amended by the Georgia Insurance and Safety Fire Commissioner. Motion to approve and carry forward as written by: Chip Greene 2nd by: Stan Everett Passed: Unanimous	Task Force	**CF**
IMC-2018-17	**312.1**	*Revise Section 312.1 'Load calculations' to add exception as follows: **312.1 Load calculations.** **Exception:** For R-2 occupancies of three stories or less in height, heating and cooling equipment may be sized based on building loads calculated in accordance with ACCA Manual J. Motion to disapprove and NOT carry forward as written by: Mark Rice 2nd by: Stan Everett Passed: Unanimous	Task Force	**D**

IMC-2018-18	**401.2**	*Revise Section 401.2 'Ventilation required' to add at the end of first paragraph as follows: …with Section 403. A private dwelling unit shall be ventilated by mechanical means in accordance with Section M1507.3 of the IRC or ASHRAE 62.2, and may not be used interchangeably. Motion to disapprove and not carry forward by: Stan Everett 2nd by: Mark Rice Passed: Unanimous	Task Force	**D**
IMC-2018-19	**401.7**	*Add Section 401.7 'Alternate ventilation procedures' to read as follows: **401.7 Alternative ventilation procedures.** As an alternative to Chapter 4, the following shall be permitted: 1. Ventilation Rate Procedure, Natural Ventilation Procedure or Indoor Air Quality Procedure, as prescribed by ASHRAE 62.1. Software programs to calculate outdoor ventilation air may be used to demonstrate ASHRAE 62.1 compliance, as approved by authority having jurisdiction. ~~2. Ventilation in Healthcare Facilities shall comply with ANSI/ASHRAE/ASHE Standard 170.~~ 3. 2. …or a combination of ASHRAE 62.1 and ANSI/ASHRAE/ASHE Standard 170 may be utilized for different occupancy types within a single building. Motion to approve and carry forward as revised by: Stan Everett 2nd by: Mark Rice Passed: Unanimous	Task Force	**R**

IMC-2018-20	**406.1**	*Revise Section 406.1 'General' to add exception as follows: **406.1 General.** **Exception**: Unvented attic assemblies that comply with Section R806.5 of the International Residential Code. Motion to disapprove and not carry forward by: Stan Everett 2nd by: Mark Rice Passed: Unanimous	Task Force	**D**
IMC-2018-21	**501.3**	* Revise Exception #1 to read as follows: Exceptions: 1. Whole-house ventilation-type attic fans shall be permitted to discharge into the ventilated attic apace of *dwelling units* having private attics, provided the installed system meets paragraph 501.4 requirements for pressure equalization. Motion to approve and carry forward as written by: Stan Everett 2nd by: Michael Brown Passed: Unanimous	Task Force	**CF**
IMC-2018-22	**505.7**	*Add new Section 505.7 'Commercial installations of domestic systems' to read as follows: **505.7 Commercial installations of domestic systems.** Commercial installations of domestic systems shall comply with the current Life Safety Code NFPA 101 and 96 standards as adopted and amended by the Georgia Insurance and Safety Fire Commissioner. Motion to approve as revised by: Jeff Yoder 2nd by: Stan Everett Passed: Unanimous	Task Force	**R**

IMC-2018-23		*Add new Section 505.4 'Exhaust ducts' to read as follows: **505.4 Exhaust ducts.** Exhaust ducts for domestic range hoods, installed in commercial applications shall be vented to the outside and shall be constructed of Type B vent or smooth- wall duct constructed of 0.0157 inch (0.4mm) galvanized steel. Motion to disapprove and not carry forward by: Michael Knox 2nd by: Michael O'Brien Passed: Unanimous	Task Force	**D**
IMC-2018-24	**506.1**	*Delete Section 506.1 'General' and substitute the following to read: **506.1 General.** The State's minimum requirements for Type I commercial kitchen hood ventilation system ducts and exhaust equipment shall be designed, constructed and installed in accordance with the Life Safety Code NFPA 101 and NFPA 96 as adopted and amended by the Georgia Insurance and Safety Fire Commissioner. Other commercial kitchen hood ventilation system ducts and exhaust equipment shall comply with the requirements of this section. Motion to approve and carry forward as revised by: Michael O'Brien 2nd by: Stan Everett Passed: Unanimous	Task Force	**R**
IMC-2018-25	**507.1**	*Delete Section 507.1 'General' and substitute the following: **507.1 General.** The State's minimum requirements for Type I commercial kitchen hoods shall be designed, constructed and installed in accordance with the Life Safety Code NFPA 101 and NFPA 96 as adopted and amended by the Georgia Insurance and Safety Fire Commissioner. Other commercial kitchen hoods shall comply with the requirements of this section. Motion to approve and carry forward as revised by: Michael O'Brien 2nd by: Stan Everett Passed: Unanimous	Task Force	**R**

IMC-2018-27	**507.1.3**	*Delete Section 507.1.3 'Domestic cooking appliances used for commercial purposes' without substitution. Motion to approve and carry forward as written by: Michael O'Brien 2nd by: Chip Greene Passed: Unanimous	Task Force	**CF**
IMC-2018-28	**508.1**	*Renumber Section 508.1 'Makeup air' as 508.2, renumber Section 508.2 'Compensating Hoods' as 508.3, and add new section 508.1 'General' as follows: **508.1 General.** The State's minimum requirements for commercial kitchen makeup air Type I hoods shall be in accordance with the Life Safety Code NFPA 101 and NFPA 96 as adopted and amended by the Georgia Insurance and Safety Fire Commissioner. Commercial kitchen makeup air for Type II hoods shall comply with the requirements of this section. Motion to approve and carry forward as revised by: Mark Rice 2nd by: Stan Everett Passed: Unanimous	Task Force	**R**
IMC-2018-29	**509.1**	*Delete Section 509.1 'Where required' and substitute the following to read: **509.1 Where required.** The State's minimum requirements for fire suppression systems for commercial cooking equipment shall be established by the Life Safety Code NFPA 101 and NFPA 96 as adopted and amended by the Georgia Insurance and Safety Fire Commissioner. Motion to approve and carry forward as written by: Chip Green 2nd by: Jeff Yoder Passed: Unanimous	Task Force	**R**

IMC-2018-30	**603.2**	*Revise the first sentence Section 603.2 'Duct sizing' to read as follows: **603.2 Duct sizing.** Ducts installed within a one-or two-family dwelling unit shall be designed and sized in accordance with ACCA Manual D or other approved methods. (Remainder of section left unchanged). Motion to disapprove and not carry forward by: Stan Everett 2nd by: Michael Brown Passed: Unanimous	Task Force	**D**
IMC-2018-31	**606.2.1**	***Revise Section 606.2.1 'Return air systems' as follows: **606.2.1 Supply air systems**. Smoke detectors shall be installed in supply air systems with a design capacity greater than 2,000 cfm, in the supply air duct downstream of any filters, fan motors, outdoor air connections, and upstream of any branch connections or decontamination equipment and appliances. **Exception:** Smoke detectors are not required in the supply air system where all portions of the building served by the air distribution system are protected by area smoke detectors connected to a fire alarm system in accordance with NFPA 72. The area smoke detection system shall comply with Section 606.4. Motion to approve and carry forward as written by: Stan Everett 2nd by: Michael Brown Passed: Unanimous	Task Force	**CF**

IMC-2018-32	**606.2.2**	*Revise Section 606.2.2 'Common supply and return air systems' as follows: **606.2.2 Common supply and return air systems.** Where multiple air-handling systems share common supply or return air ducts or plenums with a combined design capacity greater than 2,000 cfm, the supply air system shall be provided with smoke detectors in accordance with Section 606.2.1. **Exception:** Individual smoke detectors shall not be required for each fan-powered unit, provide that such units do not have and individual design capacity greater than 2,000 cfm and will be shut down by activation of one of the following; 1. Smoke detectors required by Sections 606.2.1 and 606.2.3. 2. An approved area smoke detector system located in the supply air duct serving such units. 3. An area smoke detectors system as prescribed in the exception to Section 606.2.1. In all cases, the smoke detectors shall comply with sections 606.4 and 606.4.1. Motion to approve and carry forward as written by: Stan Everett 2nd by: Michael O'Brien Passed: Unanimous	Task Force	**CF**

IMC-2018-33	**606.4.1**	*Revise Section 606.4.1 'Supervision' to read as follows: **606.4.1 Supervision.** The duct smoke detectors shall be connected to a fire alarm system where a fire alarm system is required by the Life Safety Code NFPA 101 and NFPA 96 as adopted and amended by the Georgia Insurance and Safety Fire Commissioner. ~~The actuation of a duct smoke detector shall activate a visual and audible supervisory signal at a constantly attended location.~~ Motion to approve and carry forward as revised by: Jeff Yoder 2nd by: Stan Everett Passed: 7 to 1 in favor with Michael Knox opposed.	Task Force	**R**
IMC-2018-34	**804.3.8**	*~~Delete requirement~~ Revise #2 and #3 of Section 804.3.8 'Mechanical draft systems for manually fired appliances and fireplaces' and revise to read as follows: **804.3.8 Mechanical draft systems for manually fired appliances and fireplaces. ~~Requirement~~** **#2** A device shall be installed that produces visible and audible warning upon failure of the mechanical draft device or loss of electrical power, at any time that the mechanical draft device is turned on. This device shall be installed in an approved location, receive power from the building wiring and equipped with a battery backup. **#3** A smoke detector shall be installed in the room with the *appliance* or fireplace. This device shall receive power from the building wiring and equipped with a battery backup. Motion to approve and carry forward as revised by: Michael Brown 2nd by: Michael Knox Passed: Unanimous	Task Force	**R**

IMC-2018-35	**908.1**	***** Revise Section 908.1 'General' to read as follows: **908.1 General.** A cooling tower used in conjunction with an air-conditioning appliance shall be installed in accordance with the manufacturer's installation instructions. Factory-built cooling towers shall be listed in accordance with UL 1995. The standards related to high efficiency cooling towers shall include without limitation the minimum standards prescribed by the ASHRAE, Standard 90.1. Motion to approve and carry forward as written by: Chip Greene 2nd by: Michael Brown Passed: Unanimous	Task Force	**CF**
IMC-2018-36	**917.1**	*Add Exception to 917.1 'Prohibited location' to read as follows. **Exception**: *Listed* and *Labeled* commercial cooking appliances may be installed in *dwelling units* and domestic kitchens when such installation is designed by a Georgia Licensed Professional Engineer and accepted by the local authority having jurisdiction. Motion to approve and carry forward as revised by: Stan Everett 2nd by: Michael O'Brien Passed: Unanimous	Task Force	**R**
IMC-2018-37	**917.2**	*Delete Section 917.2 'Domestic appliances' without substitution. Motion to approve and carry forward by: Stan Everett 2nd by: Michael O'Brien Passed: Unanimous Note: Section was Reinstated as written in 2015 via amendment put forward by Greg Johnson but the 2018 IMC Task Force voted to move forward with the deletion of section 917.2	Task Force	**CF**

IMC-2018-38	**1001.1**	*Revise Section 1001.1 'Scope' to add at the end of first paragraph as follows: **1001.1 Scope.** …and pressure vessels. The State's minimum requirements for boilers/water heaters and pressure vessels over 200,000 BTU/h (58.61 kW), 210 degrees Fahrenheit or 120 gallons capacity shall be established by O.C.G.A. Title 25, Chapter 15 and the as adopted and amended Rules and Regulations of the Office of Insurance and Safety Fire Commissioner. Motion to approve as revised by: Chip Greene 2nd by: Michael Knox Passed: Unanimous	Task Force	**R**
IMC-2018-39	**1007.1**	*Revise Section 1007.1 'General' to add at the end as follows: **1007.1 General. …**low-water cutoff control. In lieu of the low-water cutoff control, a flow switch or other mechanism as recommended by the manufacturer shall be allowed for water tube boilers. Motion to disapprove and not carry forward by: Stan Everett 2nd by: Mark Rice Passed: Unanimous	Task Force	**D**
IMC-2018-40	**1105.3**	*Renumber Section [F] 1105.3 'Refrigerant detector' as 1105.3 and revise to read as follows: **1105.3 Refrigerant detector.** Refrigerant detectors in machinery rooms shall be provided as required in accordance with ASHRAE 15. Motion to approve and carry forward as written by: Mark Rice 2nd by: Michael Knox Passed: Unanimous	Task Force	**CF**

IMC-2018-41	**1106.6**	*Renumber Section [F] 1106.6 'Remote Controls' as 1106.6 and revise to read as follows: **1106.6 Remote controls.** Remote control of the mechanical equipment and appliances located in the machinery room shall be provided as required by "ASHRAE Standard 15". Motion to approve and carry forward as written by: Stan Everett 2nd by: Chip Greene Passed: Unanimous	Task Force	**CF**
IMC-2018-42	**1106.7**	*Renumber Section [F] 1106.7 'Emergency signs and labels' as 1106.7 and revise to read as follows: **1106.7 Emergency signs and labels.** Refrigeration units and systems shall be provided with *approved* emergency signs, charts, and labels in accordance with ASHRAE 15. Motion to approve and carry forward as written by: Mark Rice 2nd by: Stan Everett Passed: Unanimous	Task Force	**CF**
IMC-2018-43	**1206.8**	*Revise Section 1206.8 'Steam piping pitch' to add at the end as follows: **1206.8 Steam piping pitch.** …the steam piping**.** Branch piping from steam mains shall be taken off at the top of the pipe. Motion to approve and carry forward as written by: Chip Greene 2nd by: Michael Knox Passed: Unanimous	Task Force	**CF**

IMC-2018-44	**1301.1**	*Revise Section 1301.1 'Scope' to add at the end as follows: **1301.1 Scope.** …International Fire Code. The State's minimum requirements for fuel oil piping and storage shall be as established by the Georgia State Minimum Fire Safety Standards and the as adopted and amended Rules and Regulations of the Georgia Insurance and Safety Fire Commissioner. Any areas not addressed by the Georgia State Minimum Fire Safety Standards shall be regulated by this chapter. Motion to approve as revised by: Stan Everett 2nd by: Michael Knox Passed: Unanimous	Task Force	**R**
IMC-2018-45	**1403.2.1**	*Add new Section 1403.2.1 'Protection of drains' to read as follows: **1403.2.1 Protection of drains.** Drains serving heat transfer fluids over 140°F (60°C) or which are toxic or corrosive shall be protected in accordance with the requirements of t*he International Plumbing Code*. Motion to approve and carry forward as written by: Stan Everett 2nd by: Michael Brown Passed: Unanimous	Task Force	**CF**
IMC-2018-46	**1402.9**	*Add new Section 1402.9 'Warning label' to read as follows: **1402.9 Warning label.** Drains in solar systems where high temperature, high pressure, or hazardous fluids are discharged shall have a warning label. For hazardous fluids, the label shall describe the hazardous properties of the fluid and emergency first aid procedures. Valves regulating such a discharge shall not be readily accessible to unauthorized personnel. Motion to disapprove and NOT carry forward by: Stan Everett 2nd by: Mark Rice Passed: Unanimous	Task Force	**D**

IMC-2018-47		*Revise Chapter 15 'Referenced Standards' to add as follows: ~~Air Conditioning Contractors of America~~ ~~ACCA~~ ~~2800 Shirlington Road, Suite 300~~ ~~Arlington, VA 22206~~ ~~Standard reference number~~ ~~Title~~ ~~Referenced in code section number~~ ~~Manual J 86 or 02~~ ~~Residential Load Calculations 7th or 8th Edition~~ ~~312.1, GA Amendments~~ ~~Manual D 2009~~ ~~Residential Duct Systems~~ ~~603.2, GA Amendments~~ American Society of Heating, Refrigeration and Air Conditioning Engineers, Inc. 1791 Tullie Circle, NE ASHRAE Atlanta, GA 30329-2305 Standard reference number / Title / Referenced in code section number 90.1--2016 — Energy Standard for Buildings Except Low-Rise Residential Buildings — 301.2, 908.1 GA Amendments 62.1--2016 — Ventilation for Acceptable Indoor Air Quality — 401.7 GA Amendments	Task Force	**R**

15--2016	Safety Standard for Refrigeration Systems	1105.3, 1106.6, 1106.7, GA Amendments
170-2017	Ventilation of Health Care Facilities	401.7, GA Amendments
~~62.2-2010~~	~~Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings~~	~~401.2, GA Amendments~~

National Fire Protection Association
Battery march Park

NFPA — Quincy, MA 02269

Standard reference number	Title	Referenced in code section number
96	Standard for Ventilation and Fire Protection of Commercial Cooking Operations	505.7,506.1, 507.1, 508. 509.1, GA Amendments
101	Life Safety Code	506.1, 507.1, 508.1, 509.1 GA Amendments

Motion to approve as revised by: Stan Everett
2nd by: Mark Rice
Passed: Unanimous

IMC-2018-48	**908.8.2**	*Revise Section 908.8.2 'Drift Eliminators' and add new section 908.8.3 'Secondary Disinfection' to read as follows: **908.8.2 Drift Eliminators** Cooling towers and evaporative condensers shall be equipped with drift eliminators that have a maximum drift rate of ~~.005~~ .001 percent of the circulated water flow rate as established in the equipment's design. **908.8.3 Secondary Disinfection** Where required by the code inspector, a secondary disinfection which has been proven to kill legionella bacteria at a minimum rate of 99% in a circulating loop shall be used in addition to the cooling tower's chemical treatment regimen. Approved technologies shall be 3rd party certified in a lab or field to prove its efficacy and use for cooling tower applications in killing legionella bacteria. Died for no action	Travis Glover-Southeast Pump & Equipment, Inc.	**D**
IMC-2018-49	**1402.4**	*Revise Section 1402.4 'Protection from freezing' to read as follows: **1402.4 Protection from freezing** …at the lowest ambient temperatures that will be encountered during the operation of the system. Freeze… Remainder of paragraph to remain unchanged Motion to add new amendment: Michael Knox 2nd: Stan Everett Passed: Unanimous		

Note Proposed Amendments: (added text to the code is: underlined, deleted text to the code is: ~~struck through~~)

ITEM	SECTION	SUMMARY	PROPONENT	ACTION
IFGC 2012-01	**Chapter 1**	*Delete Chapter 1 'Scope and Administration' without substitution. Chapter 1 to remain in the Code as a *reference and* guide for local governments in development of their own *Administrative Procedures*. (Effective January 1, 2014)	Task Force	**A (CF)**
IFGC 2012-02	**202**	*Delete the following Section 202 (IFGC) 'Definitions' without substitution: **'[P] THIRD-PARTY CERTIFICATION AGENCY.'** **'[P] THIRD-PARTY CERTIFIED.'** **'[P] THIRD-PARTY TESTED.'**	Task Force	**A (CF)**
IFGC 2012-03	**300**	*Add new Section 300 (IFGC) 'GENERAL APPLICABILITY STANDARDS' to read as follows: **SECTION 300 (IFGC)** **GENERAL APPLICABILITY STANDARDS** **300.1 Scope.** This code shall apply to the installation of fuel-gas *piping* systems, fuel gas appliances, gaseous hydrogen systems and related accessories in accordance with Sections 300.1.1 through 300.1.5. **Exception:** Detached one- and two-family dwellings and townhouses separated by a 2-hour fire-resistance-rated wall assembly, not more than three stories above *grade plane* in height with a separate means of egress and their accessory structures shall comply with the *Georgia State Minimum Standard one and Two Family Dwelling Code* (*International Residential Code for One- and Two- Family Dwellings with Georgia State Amendments*) **300.1.1 Gaseous hydrogen systems.** Gaseous hydrogen systems shall be regulated by Chapter 7. **300.1.2 Piping systems.** These regulations cover *piping* systems for natural gas with an operating pressure of 125 pounds per square inch gauge (psig) (862 kPa gauge) or less, and for LP-gas with an operating pressure of 20 psig (140 kPa gauge) or less, except as provided in Section 402.7. Coverage shall extend from the *point of delivery* to the outlet of the *appliance* shutoff valves. *Piping* system requirements shall include design, materials, components, fabrication, assembly, installation, testing, inspection, operation and maintenance. **300.1.3 Gas appliances.** Requirements for gas appliances and related accessories shall include installation, combustion and ventilation air and venting and connections to *piping* systems. **300.1.4 Systems, appliances and equipment outside the scope.** This code shall not apply to the following: 1. Portable LP-gas appliances and *equipment* of all types that is not connected to a fixed fuel *piping* system. 2. Installation of farm appliances and *equipment* such as brooders, dehydrators, dryers and irrigation *equipment*. 3. Raw material (feedstock) applications except for *piping* to special atmosphere generators. 4. Oxygen-fuel gas cutting and welding systems.	Task Force	**R (CF)**

Note Proposed Amendments: (added text to the code is: <u>underlined</u>, deleted text to the code is: ~~struck through~~)

ITEM	SECTION	SUMMARY	PROPONENT	ACTION
		5. Industrial gas applications using gases such as acetylene and acetylenic compounds, hydrogen, ammonia, carbon monoxide, oxygen and nitrogen. 6. Petroleum refineries, pipeline compressor or pumping stations, loading terminals, compounding plants, refinery tank farms and natural gas processing plants. 7. Integrated chemical plants or portions of such plants where flammable or combustible liquids or gases are produced by, or used in, chemical reactions. 8. LP-gas installations at utility gas plants. 9. Liquefied natural gas (LNG) installations. 10. Fuel gas *piping* in power and atomic energy plants. 11. Proprietary items of *equipment*, apparatus or instruments such as gas-generating sets, compressors and calorimeters. 12. LP-gas *equipment* for vaporization, gas mixing and gas manufacturing. 13. Temporary LP-gas *piping* for buildings under construction or renovation that is not to become part of the permanent *piping* system. 14. Installation of LP-gas systems for railroad switch heating. 15. Installation of hydrogen gas, LP-gas and compressed natural gas (CNG) systems on vehicles. 16. Except as provided in Section 401.1.1, gas *piping*, meters, gas pressure regulators and other appurtenances used by the serving gas supplier in the distribution of gas, other than undiluted LP-gas. 17. Building design and construction, except as specified herein. 18. *Piping* systems for mixtures of gas and air within the flammable range with an operating pressure greater than 10 psig (69 kPa gauge). 19. Portable fuel cell appliances that are neither connected to a fixed *piping* system nor interconnected to a power grid. **300.1.5 Other fuels.** The requirements for the design, installation, maintenance, *alteration* and inspection of mechanical systems operating with fuels other than fuel gas shall be regulated by the *International Mechanical Code*. **300.2 Appendices.** Appendices are not enforceable unless they are specifically referenced in the body of the code or adopted by the Department of Community Affairs or the Authority Having Jurisdiction. **300.3 Intent.** The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of fuel gas systems. **300.4 Severability.** If a section, subsection, sentence, clause or phrase of this code is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this code. <u>(Effective January 1, 2014)</u>		

Note Proposed Amendments: (added text to the code is: underlined, deleted text to the code is: ~~struck through~~)

ITEM	SECTION	SUMMARY	PROPONENT	ACTION
IFGC 2012-04	**404.6**	*Delete Section 404.6 'Underground penetrations prohibited' and substitute to read as follows: **404.6 Piping through foundation wall.** Underground piping where installed below grade through the foundation or basement wall of a building, shall be encased in a protective pipe sleeve. The annular space between the gas piping and the sleeve shall be sealed. (Effective January 1, 2014)	Task Force	**A (CF)**
IFGC 2012-05	**406.6.2**	*Revise Section 406.6.2 'Before turning gas on' heading to read as follows: **406.6.2 Turning gas on.** (Remainder of section unchanged) (Effective January 1, 2014)	Task Force	**A (CF)**
IFGC 2012-06	**409.2.1**	*Add new Section 409.2.1 'Point of delivery service valve' to read as follows: **409.2.1 Point of delivery service valve.** Where the point of delivery is the outlet of the service meter assembly or the outlet of the service regulator, a service shutoff valve shall be installed. Such valve is considered to be part of the customer piping system. (Effective January 1, 2014)	Task Force	**A (CF)**
IFGC 2012-07	**404.11.1**	*Delete Section 404.11.1 'Galvanizing' in its entirety	Task Force	**A (CF)**
IFGC 2012-08	**624.3**	*Add new Section 624.3 'Boilers/water heaters' to read as follows: **624.3 Boilers/water heaters.** The State's minimum requirements for boilers/water heaters and pressure vessels over 200,000 BTU/h (58.61 kW), 210 degrees Fahrenheit or 120 gallons capacity shall be established by O.C.G.A. Title 25, Chapter 15 and the Rules and Regulations as amended and adopted of the Georgia Safety Fire Commissioner. (Effective January 1, 2014)	Task Force	**R (CF)**
IFGC 2012-09	**631.4**	*Add new Section 631.4 'Additional regulations' to read as follows: **631.4 Additional regulations.** For additional regulations regarding boilers/water heaters, see Section 624.3 (GA Amendments). (Effective January 1, 2014)	Task Force	**A (CF)**
IFGC 2018-10	**Chapter 8 Referenced Standards**	*Revise reference standard **LC 1/CSA 6.26---20~~13~~18: Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)** 403.5.5	Jonathan Sargeant, Omega Flex	**A**
IFGC 2018-11	**404.7.1**	*Revise Section 404.7.1 'Piping through holes or notches' to read as follows: **404.7.1 Piping through bored holes or notches.** Where piping is installed through holes or notches in framing members and the piping is located less than 11/2 inches (38 mm) from the framing member face to which wall, ceiling or floor membranes will be attached, the pipe shall be protected by shield plates that cover the width of the pipe and the framing member ~~and that extend not less than 4 inches (102 mm) to each side of the framing member.~~ Where the framing member that the piping passes through is a bottom plate, bottom track, top plate or top track, the shield plates	Windell Peters, Task Force Chairman	**A**

Note Proposed Amendments: (added text to the code is: underlined, deleted text to the code is: ~~struck through~~)

ITEM	SECTION	SUMMARY	PROPONENT	ACTION
		shall cover the framing member and extend not less than 4 inches (102 mm) above the bottom framing member and not less than 4 inches (102 mm) below the top framing member.		
IFGC 2018-12	**404.7.2**	*Delete Section 404.7.2 'Piping installed in other location' in its entirety without substitution	Windell Peters, Task Force Chairman	**A**
IFGC 2018-13	**404.18**	*Revise Section 404.18 'Pipe cleaning debris removal' to read as follows: **404.18 Pipe ~~cleaning~~ debris removal.** The interior of piping shall be clear of debris. The use of a flammable or combustible gas to clean or remove debris from a piping system shall be prohibited.	Windell Peters, Task Force Chairman	**A**
IFGC 2018-14	**412**	*Delete Section 412 'Liquefied Petroleum Gas Motor Vehicle Fuel-Dispensing Facilities' and substitute to read as follows: **412.1 General**. Under Georgia law, the Rules and Regulations of the Georgia Safety Fire Commissioner's Office govern the storage, delivery and dispensing of Liquefied Petroleum Gas. Refer to the Rules and Regulations of the Georgia Safety Fire Commissioner's Office and NFPA 58 as adopted and amended for all requirements concerning liquefied petroleum gas motor vehicle fuel-dispensing facilities.	Windell Peters, Task Force Chairman	**A**
IFGC 2018-15	**413**	*Delete Section 413 'Compressed Natural Gas Motor Vehicle Fuel-Dispensing Facilities' and substitute to read as follows: **413.1 General.** Under Georgia law, the Rules and Regulations of the Georgia Safety Fire Commissioner govern the storage, delivery and dispensing of compressed natural gas. Refer to the Rules and Regulations of the Georgia Safety Fire Commissioner and NFPA 52 as adopted and amended for all requirements concerning compressed natural gas motor vehicle fuel-dispensing stations	Windell Peters, Task Force Chairman	**A**
IFGC 2018-16	**202**	*Revise Section 202 'Definitions' **POINT OF DELIVERY** as follows: **POINT OF DELIVERY.** For natural gas systems, the point of delivery is the outlet of the service meter assembly or the outlet of the service regulator or service shutoff valve where a meter is not provided. Where a system shutoff valve is provided at the outlet of the service meter assembly, such valve shall be considered to be downstream of the point of delivery. For undiluted liquefied petroleum gas systems, the point of delivery shall be considered to be the outlet of the service pressure regulator, exclusive of line gas regulators, in the system.	Andrea Papageorge, Task Force Member	**A**
IFGC 2018-17	**202**	*Revise Section 202 'Definitions' to add new definition **SERVICE METER ASSEMBLY** as follows: **SERVICE METER ASSEMBLY.** The meter, valve, regulator, piping, fittings, and equipment installed by the service gas supplier before the point of delivery.	Andrea Papageorge, Task Force Member	**A**
IFGC 2018-18	**202**	*Revise Section 202 'Definitions' to add new definition **System Shutoff** to the **VALVE** sections as follows: **System Shutoff.** A valve installed after the point of delivery to shut off the entire piping system.	Andrea Papageorge, Task Force Member	**A**

Note Proposed Amendments: (added text to the code is: underlined, deleted text to the code is: ~~struck through~~)

ITEM	SECTION	SUMMARY	PROPONENT	ACTION
		End of Report		

Georgia Department of Community Affairs
60 Executive Park South, N.E.
Atlanta, Georgia 30329-2231

PROPOSED CODE AMENDMENTS
2019 SCAC Sub-Committee Meeting
Phone: (404) 679-3104
Task Force

DCA Staff: Brendan Sexton

Date Revised: January 31, 2019

Proposed Amendments

ITEM NO.	CODE SECTION	Summary	PROPONENT	ACTION
1)	**IRC 2018 Section R806.5**	Revise Section 806.5 'Unvented attic and unvented enclosed rafter assemblies' 5. Insulation shall ~~be located in accordance with the following~~ comply with Item 5.3 and either Item 5.1 or 5.2: 5.2 In Climate Zones 1,2, and 3, air-permeable insulation installed in unvented attics shall meet the following requirements: 5.2.1 An approved vapor diffusion port shall be installed not more than 12 inches (305 mm) from the highest point of the roof, measured vertically from the highest point of the roof to the lower edge of the port. 5.2.2. The port shall be greater than or equal to 1:600 of the ceiling area. Where there are multiple ports in the attic, the sum of the port areas shall be greater than or equal to the area requirement. 5.2.3. The vapor-permeable membrane in the vapor diffusion port shall be greater than or equal to the area requirement. 5.2.4. The vapor diffusion port shall serve as a barrier between the attic and the exterior of the building. 5.2.5. The *vapor diffusion port* shall protect the *attic* against the entrance of rain and snow. 5.2.6 Framing members and blocking shall not block the free flow of water vapor to the port. Not less than a 2-inch (51mm) space shall be provided between any blocking and the roof sheathing. Air permeable insulation shall be permitted within the space. 5.2.7 The roof slope shall be greater than or equal to 3:12 (vertical/horizontal) 5.2.8 Where only air-permeable insulation is used, it shall be installed directly below the structural roof sheathing. 5.2.9 Air-impermeable insulation, if any, shall be directly above or below the structural roof sheeting and is not required to meet the R-value in Table 806.5. Where directly below the structural roof sheathing, there shall be no space between the air impermeable insulation and the *air-permeable insulation* and the air-permeable insulation. 5.2.10 The air shall be supplied at a flow rate greater than or equal to 50 CFM (23.6 L/s) per 1,000 square feet (93 m^2) of ceiling. The air shall be supplied from ductwork providing supply air	Charlie Haack, Dan Lea NAIMA, CIMA	

***Note: These amendments are "proposed only" and have not been adopted by the Department of Community Affairs.**

ACTION: A (Approve as Submitted); R (Approve as Revised); D (Disapprove); W (Withdrawn)

<table>
<tr><td></td><td></td><td>to the occupiable space when the condition system is operating. Alternatively, the air shall be supplied by a supply fan when the condition system is operating.
5.23 Where performed insulation board is used as the air-impermeable insulation layer, it shall be sealed at the perimeter of each individual sheet interior surface to form a continuous layer.</td><td></td><td></td></tr>
<tr><td>2)</td><td>IECC 2015
TABLE
R406.4</td><td>Add new footnote to Table R406.4:
Minimum Energy Rating Index
<table>
<tr><th>CLIMATE ZONE</th><th>ENERGY RATING INDEX</th></tr>
<tr><td>2</td><td>57</td></tr>
<tr><td>3</td><td>57</td></tr>
<tr><td>4</td><td>62</td></tr>
</table>
a. Where on-site renewable energy is included for compliance using the ERI analysis of Section R406.4, the building shall meet the mandatory requirements of Section R406.2, and the building thermal envelope shall be greater than or equal to the levels of efficiency and SHGC in Table R402.1.2 or Table R402.1.4 of the 2015 International Energy Conservation Code.</td><td>Charlie Haack
NAIMA</td><td></td></tr>
<tr><td>3)</td><td>NEC 2017
210.52
(A)(2) & (4)</td><td>Revise Section 210.52(A)(2) 'Wall Space.' to add #4 to read as follows:

(2) Wall Space. As Used in this section, a wall space shall include the following:
(1) Any space 600 mm (2 ft) or more in width (including space measured around corners) and unbroken along the floor line by doorways and similar openings, fireplaces, and fixed cabinets that do not have countertops or similar work surfaces
(2) The space occupied by fixed panels in walls, excluding sliding panels
(3) The space afforded by fixed room dividers, such as free-standing bar-type counters or railings
(4) Any space 600 mm (2 ft) or more in width complying with 210.52(A)(2)(1) which does not have - full-height glazing.

(4) Countertop and Similar Work Surface Receptacle Outlets. Receptacles installed for countertop and similar work surfaces as specified in 210.52(C) shall not be considered as the receptacle outlets required by 210.52(A), unless installed in Meeting Rooms as defined by 210.71.</td><td>Bill Abballe & Deirdre Leclair
AIA Georgia</td><td></td></tr>
</table>

4)	**IECC 2015 C402.5.7**	Revise Section **C402.5.7 'Vestibules' Exception** #2 as follows: 2. Doors not intended to be used ~~by the public, such as doors to mechanical or electrical rooms, or intended solely for employee use~~ as a building entrance.	John Conley & Deidre Leclair AIA Georgia	
5)	**IECC 2015 C402.5.7**	Add **C402.5.7 'Vestibules' Exception** #7 as follows: 7. Building entrances in buildings that are located in Climate Zone 3, less than 4 stories above grade, and less than 10,000 ft^2 in gross conditioned floor area.	John Conley & Deidre Leclair AIA Georgia	
6)	**IECC 2015 C405.2.3**	Revise Section **C405.2.3 'Daylight-responsive controls'** Exception #4 as follows: 4. Sidelight daylight zones ~~on the first floor above grade~~ in ~~Group A-2 and~~ Group M occupancies.	John Conley & Deirdre Leclair AIA Georgia	
7)	**IBC 2018 Chapter 35**	Add the following Reference Standard: ACI 562-*19 Code Requirements for Assessment, Repair and Rehabilitation of Existing Concrete Structures*, American Concrete Institute, 38800 Country Club Drive, Farmington Hills, MI 48331	Lawrence Kahn Professor Emeritus, Georgia Institute of Technology	
8)	**IBC 2018 Chapter 3401.6**	Revise Section 3401.6 'Alternative Compliance' to add the following paragraph to the end (see 2020 Georgia Amendments): It shall be permitted to assess, repair and rehabilitate existing concrete buildings and other concrete structure as applicable pursuant to ACI 562-19 (Code Requirements for Assessment, Repair and Rehabilitation of Existing Concrete Structures) This amendment is proposed only if ACI 562-19 is not required in IBC, Chapter 34, section 3401.3 (see 2020 Amendments)	Lawrence F. Kahn Professor Emeritus, Georgia Institute of Technology	
9)	**IBC 2018 Chapter 3401.3**	Revise Section 3401.3 'Compliance' to add the following paragraph to the end (see 2020 Georgia Amendments): Existing concrete buildings and other concrete structures as applicable shall be assessed, repaired and rehabilitated pursuant to ACI 562-19 (Code Requirements for Assessment, Repair, a Reference Standard)	Lawrence F. Kahn Professor Emeritus, Georgia Institute of Technology	

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____ (DCA USE ONLY) PAGE 1 OF 4

CODE: IRC SECTION: Section R806.5

PROPONENT: Charlie Haack (NAIMA) & Dan Lea (CIMA) DATE: 11/30/2018

EMAIL: CHaack@naima.org & cima@cellulose.org

ADDRESS: 11 Canal Center Plaza Suite #103

TELEPHONE NUMBER: (703) 684-0085 FAX NUMBER: (703) 684-0427

CHECK ONE: ☒ Revise section to read as follows: ☐ Add new section to read as follows:

☐ Delete section and substitute the following: ☐ Delete without substitution:

~~LINE THROUGH MATERIAL TO BE DELETED:~~ UNDERLINE MATERIAL TO BE ADDED

☐ Approve ☐ Approve as amended (DCA STAFF ONLY) ☐ Disapprove ☐ Withdrawn

DESCRIPTION:

R806.5 Unvented attic and unvented enclosed rafter assemblies.

5. Insulation shall ~~be located in accordance with the following~~ comply with Item 5.3 and either Item 5.1 or 5.2:

5.2 In Climate Zones 1, 2, and 3, air-permeable insulation installed in unvented *attics* shall meet the following requirements:

5.2.1. An approved *vapor diffusion port* shall be installed not more than 12 inches (305mm) from the highest point of the roof, measured vertically from the highest point of the roof to the lower edge of the port.

5.2.2. The port area shall be greater than or equal to 1:600 of the ceiling area. Where there are multiple ports in the attic, the sum of the port areas shall be greater than or equal to the area requirement.

5.2.3. The vapor-permeable membrane in the *vapor diffusion port* shall have a vapor permeance rating greater than or equal to 20 perms when tested in accordance with Procedure A of ASTM E96.

5.2.4. The *vapor diffusion port* shall serve as an air barrier between the *attic* and the exterior of the building.

5.2.5. The *vapor diffusion port* shall protect the *attic* against the entrance of rain and snow.

5.2.6. Framing members and blocking shall not block the free flow of water vapor to the port. Not less than a 2-inch (51mm) space shall be provided between any blocking and the roof sheathing. Air permeable insulation shall be permitted within the space.

5.2.7. The roof slope shall be greater than or equal to 3:12 (vertical/horizontal)

5.2.8. Where only air-permeable insulation is used, it shall be installed directly below the structural roof sheathing.

5.2.9. *Air-impermeable insulation*, if any, shall be directly above or below the structural roof sheathing and is not required to meet the *R-value* in Table 806.5. Where directly below the structural roof sheathing, there shall be no space between the *air-impermeable insulation* and the air-permeable insulation.

5.2.10. The air shall be supplied at a flow rate greater than or equal to 50 CFM (23.6 L/s) per 1,000 square feet (93 m^2) of ceiling. The air shall be supplied from ductwork providing supply air to the occupiable space when the conditioning system is operating. Alternatively, the air shall be supplied by a supply fan when the conditioning system is operating.

5.~~2~~3 where preformed insulation board is used as the air-impermeable insulation layer, it shall be sealed at the perimeter of each individual sheet interior surface to form a continuous layer.

REASON/INTENT:

The 2018 IRC included enhanced choices and flexibility for builders that prefer to use air permeable insulation on the roof deck in unvented attic applications. This added option to the code is a proven practice, field tested, and validated under the U.S. DOE Building America program. For unknown reasons, this new option was deleted in the recent update to the IRC in Georgia, thus excluding the use of cellulose, fiberglass and mineral wool in such applications, and limiting builder's options in ways to meet the residential building and energy codes

The inclusion of this practice was supported by NAHB during the hearings at the national level.

Unvented attic assemblies have a record of success. Unvented attic assemblies are most commonly constructed with spray polyurethane foam applied directly to the underside of the roof deck. This is a historically successful method of construction with over 20 years of experience. Another approach to unvented attic assemblies is to insulate over the top of the roof deck with rigid insulation boards.

The proposed code change allows the use of lower cost alternatives. Specifically, the proposed code change allows the use of fiberglass batts, blown cellulose and blown fiberglass to construct unvented attic assemblies. The approach is limited to Climate Zones 1, 2 and 3 based on research and historic experience over the past decade. The proposed code change adds a vapor diffusion port/vent. The port acts as a moisture control measure, allowing moisture in the attic to be removed by vapor diffusion rather than by air change. This allows the attic assembly to remain airtight while providing a path for vapor moisture via vapor diffusion. Airtight attics also benefit energy efficiency.

This allows alternatives to rigid board and spray polyurethane foam. Alternatives provide more material choices for designers, builders and consumers who have issues with the greenhouse gas potential of blowing agents, impacts of fire retardants and off-gassing of some insulation products. Or just want to try a less expensive option. Adding new unvented attic options to the existing options provides additional benefits. In high wildfire regions the elimination of eave vents and air sealing the upper attic vents at ridges reduces the entry of embers. In hurricane zones the elimination of roof vents reduces the entry of rainwater during hurricane events. The research work supporting this code change is an outgrowth of the original research work supporting unvented attic assemblies started in 1995 under the Department of Energy's Building America Program. The same technical team and the same technical rigor that supported the original code changes for unvented attics in the early 2000's are behind this proposed code change.

Resources & studies supporting this practice:
https://buildingscience.com/documents/insights/bsi-088-venting-vapor?topic=doctypes/insights
https://buildingscience.com/sites/default/files/document/ba-1511_field_testing_of_unvented_roof_with_fibrous_insulation_tiles_and_vapor_diffusion_venting.pdf

FINANCIAL IMPACT OF PROPOSED AMENDMENT:
The proposed change will not increase cost of construction.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____ (DCA USE ONLY) PAGE 1 OF 3

CODE: IECC SECTION: TABLE R406.4

PROPONENT: Charlie Haack DATE: 11/30/2018

EMAIL: CHaack@naima.org

ADDRESS: 11 Canal Center Plaza Suite #103

TELEPHONE NUMBER: (703) 684-0085 FAX NUMBER: (703) 684-0427

CHECK ONE: ☒ Revise section to read as follows: ☐ Add new section to read as follows:

☐ Delete section and substitute the following: ☐ Delete without substitution:

~~LINE THROUGH MATERIAL TO BE DELETED:~~ UNDERLINE MATERIAL TO BE ADDED

☐ Approve ☐ Approve as amended (DCA STAFF ONLY) ☐ Disapprove ☐ Withdrawn

DESCRIPTION:

TABLE R406.4
MINIMUM ENERGY RATING INDEX

CLIMATE ZONE	ENERGY RATING INDEX [a]
2	57
3	57
4	62

a. Where on-site renewable energy is included for compliance using the ERI analysis of Section R406.4, the building shall meet the mandatory requirements of Section R406.2, and the building thermal envelope shall be greater than or equal to the levels of efficiency and SHGC in Table R402.1.2 or Table R402.1.4 of the *2015 International Energy Conservation Code.*

REASON/INTENT:
The language contained in this footnote is included in the 2018 IECC model code and there appears to have been an oversight in its inclusion in the updated Georgia energy code.

At the International Code Council hearings, where this footnote was adopted into the model code, an array of parties across the industry came together and all agreed that this change was necessary to be included in the 2018 IECC. Parties included the National Association of Home Builders (NAHB), the Leading Builders of America (LBA), the Solar Energy Industries Association (SEIA), and the Energy Efficient Codes Coalition (EECC).

Prior to the 2018 IECC, the ERI path did not address the inclusion of onsite renewable power generation for code compliance using ERI calculation tools. This footnote permits the use of onsite renewable power under the ERI path but includes a thermal envelope backstop of the 2015 IECC. The 2009 IECC is maintained as the backstop for homes that do not include onsite renewable power generation.

As the use of distributed generation in homes becomes more prevalent, it is important to address its role in the building energy code. Peak demand reduction is a critical concern of electric utilities and the predictability and level of demand reduction reached through the envelope levels contained in the 2015 IECC vs the 2009 IECC. Moving the envelope insulation levels down to 2009 IECC levels causes 0.30 kW increase in electricity demand, whereas the amount of solar PV used to offset the improvement only makes up for 0.15 kW. (Analysis performed for Atlanta, GA using BEopt, following the U.S. Department of Energy's Methodology for Evaluating Cost-effectiveness of Residential Code Changes).

The addition of this footnote established an easily enforceable path that safeguards current efficiency levels within the IECC and allows for the responsible use of onsite power that does not cannibalize current efficiency levels.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:
The proposed change will not increase cost of construction.

In terms of cost-effectiveness, the National Renewable Energy Laboratory's (NREL) cost data has the first cost of moving from the 2009 IECC to the 2015 IECC thermal envelope costs in Climate Zone 3 at $540 or $67.50 per ERI point (8 ERI points). NREL's cost data has the cost of each additional kW of solar going down as the overall system gets larger. Ranging from over $3000 per kW for a 1-4 kW system and down to $2000 per kW for an 8-9 kW system. This results in ~$250-375 per ERI point gained (8 ERI points per kW), a much higher cost per ERI point than an improved thermal envelope.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____(DCA USE ONLY) PAGE 1 OF 1

CODE: Georgia State Minimum Standard Electrical Code SECTION: 210.52 (A)(2) & (4)

PROPONENT: AIA Georgia/Bill Abballe & Deirdre Leclair DATE: 12.14.18

EMAIL: dleclair@stevens-wilkinson.com & wabballe@att.net

ADDRESS: 2182 Ithica Drive, Marietta, GA 30067

TELEPHONE NUMBER: (404)240-9516 / (404)521-6205 FAX NUMBER: (404)237-0276

CHECK ONE: ☒ Revise section to read as follows: ☐ Add new section to read as follows:

☐ Delete section and substitute the following: ☐ Delete without substitution:

~~LINE THROUGH MATERIAL TO BE DELETED:~~ UNDERLINE MATERIAL TO BE ADDED

☐ Approve ☐ Approve as amended (DCA STAFF ONLY) ☐ Disapprove ☐ Withdrawn

DESCRIPTION:
Revise Section 210.52(A)(2) **'Wall Space.'** to add #4 to read as follows:

(2) Wall Space. As Used in this section, a wall space shall include the following:

(1) Any space 600 mm (2 ft) or more in width (including space measured around corners) and unbroken along the floor line by doorways and similar openings, fireplaces, and fixed cabinets that do not have countertops or similar work surfaces

(2) The space occupied by fixed panels in walls, excluding sliding panels

(3) The space afforded by fixed room dividers, such as free-standing bar-type counters or railings

(4) Any space 600 mm (2 ft) or more in width complying with 210.52(A)(2)(1) which does not have full-height glazing.

(4) Countertop and Similar Work Surface Receptacle Outlets. Receptacles installed for countertop and similar work surfaces as specified in 210.52(C) shall not be considered as the receptacle outlets required by 210.52(A), unless installed in Meeting Rooms as defined by 210.71.

REASON/INTENT:
The **NEC 2017, Section 210.71 Meeting Room** addresses electrical outlet requirements for Meeting Rooms. While this sounds like there is some flexibility in placement, The reference in 215.1 B (1) notes that the number of receptacle outlets in fixed walls to be installed in accordance with 210.52(A)(1) through (A)(4) which is a reference based on residential outlet spacing. Section 210.52 is labeled **Dwelling Unit Receptacle Outlets**. If a meeting room has one or more full height glass partitions, section 210.52(A)(3) would require floor outlets within 18" of that wall which can pose a tripping hazard with electrical cords

from a central meeting table to the floor space in front of the glass partition. This floor space typically serves as egress in a typical meeting room. Proposed revision to 210.52(A)(4) would allow the designers to meet the receptacle count by also providing countertop and work surfaces for equipment and users based on the needs for that particular space.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:
This proposal will not increase costs.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____ (DCA USE ONLY) PAGE 1 OF 1

CODE: Georgia State Minimum Standard Energy Code SECTION: C402.5.7

PROPONENT: AIA Georgia / JOHN CONLEY & DEIRDRE LECLAIR DATE: 12.14.18

EMAIL: JOHN_CONLEY@GENSLER.COM & dleclair@stevens-wilkinson.com

ADDRESS: 999 PEACHTREE STREET NE, ATLANTA, GA 30309

TELEPHONE NUMBER: (404)507-1000 / (404)521-6205 FAX NUMBER: ( ) -

CHECK ONE: ☒ Revise section to read as follows: ☐ Add new section to read as follows:

☐ Delete section and substitute the following: ☐ Delete without substitution:

~~LINE THROUGH MATERIAL TO BE DELETED:~~ UNDERLINE MATERIAL TO BE ADDED

☐ Approve ☐ Approve as amended (DCA STAFF ONLY) ☐ Disapprove ☐ Withdrawn

DESCRIPTION:
Revise Section **C402.5.7 'Vestibules' Exception** #2 as follows:

2. Doors not intended to be used ~~by the public, such as doors to mechanical or electrical rooms, or intended solely for employee use~~ as a building entrance.

REASON/INTENT:
This verbiage is in alignment with ANSI/ASHRAE/IES Standard 90.1-2013, Section 5.4.3.4, Exception 2. This amendment will limit required vestibules to entry doors, which have the greatest impact on energy loss. This will include the situations included in the original exception, as none of these situations function as a building entrance, but also eliminates the requirement for a vestibule at other non-entry doors not included in the original exception.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:
This proposal will not increase costs.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____(DCA USE ONLY) PAGE 1 OF 1

CODE: Georgia State Minimum Standard Energy Code SECTION: C402.5.7

PROPONENT: AIA Georgia / JOHN CONLEY & DEIRDRE LECLAIR DATE: 12/6/18

EMAIL: JOHN_CONLEY@GENSLER.COM & dleclair@stevens-wilkinson.com

ADDRESS: 999 PEACHTREE STREET NE, ATLANTA, GA 30309

TELEPHONE NUMBER: (404)507-1000 / (404)521-6205 FAX NUMBER: ( ) -

CHECK ONE: ☒ Revise section to read as follows: ☐ Add new section to read as follows:

☐ Delete section and substitute the following: ☐ Delete without substitution:

~~LINE THROUGH MATERIAL TO BE DELETED:~~ UNDERLINE MATERIAL TO BE ADDED

☐ Approve ☐ Approve as amended (DCA STAFF ONLY) ☐ Disapprove ☐ Withdrawn

DESCRIPTION:
Add **C402.5.7 'Vestibules' Exception** #7 as follows:

7. Building entrances in buildings that are located in Climate Zone 3, less than 4 stories above grade, and less than 10,000 ft^2 in gross conditioned floor area.

REASON/INTENT:
This verbiage is in alignment with ANSI/ASHRAE/IES Standard 90.1-2013, Section 5.4.3.4, Exception 5. This amendment will limit required vestibules to large buildings and buildings in colder climate zones.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:
This proposal will not increase costs.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____(DCA USE ONLY) PAGE 1 OF 1

CODE: Georgia State Minimum Standard Energy Code SECTION: C405.2.3

PROPONENT: AIA Georgia / JOHN CONLEY & DEIRDRE LECLAIR DATE: 12.14.18

EMAIL: JOHN_CONLEY@GENSLER.COM & dleclair@stevens-wilkinson.com

ADDRESS: 999 PEACHTREE STREET NE, ATLANTA, GA 30309

TELEPHONE NUMBER: (404)507-1000 / (404)521-6205 FAX NUMBER: ( ) -

CHECK ONE: ☒ Revise section to read as follows: ☐ Add new section to read as follows:

☐ Delete section and substitute the following: ☐ Delete without substitution:

~~LINE THROUGH MATERIAL TO BE DELETED:~~ UNDERLINE MATERIAL TO BE ADDED

☐ Approve ☐ Approve as amended (DCA STAFF ONLY) ☐ Disapprove ☐ Withdrawn

DESCRIPTION:
Revise Section **C405.2.3 'Daylight-responsive controls'** Exception #4 as follows:

4. Sidelight daylight zones ~~on the first floor above grade~~ in ~~Group A-2 and~~ Group M occupancies.

REASON/INTENT:
This verbiage is in greater alignment with ANSI/ASHRAE/IES Standard 90.1-2013, Section 9.4.1.1(e), Exception 3, which exempts all retail spaces without an indication of level above grade. This amendment will limit eliminate the requirement for daylight-responsive controls on upper floors of retail spaces in Group M. The requirement for daylight-responsive controls in this Group is not in alignment with typical use of these spaces.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:
This proposal will not increase costs.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____ (DCA USE ONLY) PAGE 1 OF 174

CODE: IBC, Chapter 35 SECTION: Referenced Standards

PROPONENT: Lawrence F. Kahn DATE: December 11, 2018

EMAIL: Lawrence.Kahn@ce.gatech.edu

ADDRESS: 105 Woodfall Way SW, Lilburn, Georgia 30047

TELEPHONE NUMBER: (770) 925-0548 FAX NUMBER: (404)385-0337

CHECK ONE: [x] Revise section to read as follows: [ ] Add new section to read as follows:

[ ] Delete section and substitute the following: [ ] Delete without substitution:

~~LINE THROUGH MATERIAL TO BE DELETED:~~ UNDERLINE MATERIAL TO BE ADDED

[ ] Approve [ ] Approve as amended (DCA STAFF ONLY) [ ] Disapprove [ ] Withdrawn

DESCRIPTION:
Add the following Referenced Standard: "ACI 562-19 *Code Requirements for Assessment, Repair and Rehabilitation of Existing Concrete Structures*, American Concrete Institute, 38800 Country Club Drive, Farmington Hills, MI 48331

The standard is included.

REASON/INTENT:
1. To provide the reference in the advent that the proposed amendment to adopt ACI 562-19 is approved

FINANCIAL IMPACT OF PROPOSED AMENDMENT:
No increase in costs.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____ (DCA USE ONLY) PAGE 1 OF 1

CODE: IBC, Chapter 34 SECTION: 3401.3

PROPONENT: Lawrence F. Kahn DATE: December 11, 2018

EMAIL: Lawrence.Kahn@ce.gatech.edu

ADDRESS: 105 Woodfall Way SW, Lilburn, Georgia 30047

TELEPHONE NUMBER: (770) 925-0548 FAX NUMBER: (404)385-0337

CHECK ONE: [x] Revise section to read as follows: [ ] Add new section to read as follows: [ ] Delete section and substitute the following: [ ] Delete without substitution:

~~LINE THROUGH MATERIAL TO BE DELETED:~~ UNDERLINE MATERIAL TO BE ADDED

[ ] Approve [ ] Approve as amended (DCA STAFF ONLY) [ ] Disapprove [ ] Withdrawn

DESCRIPTION:
Add the following sentence before the last sentence of the provision: "Existing concrete buildings and other concrete structures as applicable shall be assessed, repaired and rehabilitated pursuant to ACI 562-19 (Code Requirements for Assessment, Repair and Rehabilitation of Existing Concrete Structures)".

REASON/INTENT:

1. To make consistent, safe, and durable repair of concrete structures
2. To assist building officials in applying safe and up-to-date means for assessment and repair of concrete structures
3. To assure consistent practice of structure repair design using standard developed under ANSI procedures by the American Concrete Institute

FINANCIAL IMPACT OF PROPOSED AMENDMENT:
No increase in costs. Yet, the provision would assure consistent procedures used by structural engineers; owners would not influence designers to cut corners.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____ (DCA USE ONLY) PAGE 1 OF 1

CODE: IBC, Chapter 34 SECTION: 3401.6

PROPONENT: Lawrence F. Kahn DATE: December 11, 2018

EMAIL: Lawrence.Kahn@ce.gatech.edu

ADDRESS: 105 Woodfall Way SW, Lilburn, Georgia 30047

TELEPHONE NUMBER: (770) 925-0548 FAX NUMBER: (404)385-0337

CHECK ONE: [x] Revise section to read as follows: [ ] Add new section to read as follows: [ ] Delete section and substitute the following: [ ] Delete without substitution:

~~LINE THROUGH MATERIAL TO BE DELETED:~~ UNDERLINE MATERIAL TO BE ADDED

[ ] Approve [ ] Approve as amended (DCA STAFF ONLY) [ ] Disapprove [ ] Withdrawn

DESCRIPTION:
Add the following paragraph: "It shall be permitted to assess, repair and rehabilitate existing concrete buildings and other concrete structures as applicable pursuant to ACI 562-19 (Code Requirements for Assessment, Repair and Rehabilitation of Existing Concrete Structures)".

This amendment is proposed only if ACI 562-19 is not required in IBC, Chapter 34, section 3401.3

REASON/INTENT:

1. To make consistent, safe, and durable repair of concrete structures
2. To assist building officials in applying safe and up-to-date means for assessment and repair of concrete structures
3. To assure consistent practice of structure repair design using standard developed under ANSI procedures by the American Concrete Institute

FINANCIAL IMPACT OF PROPOSED AMENDMENT:
No increase in costs. Yet, the provision would assure consistent procedures used by structural engineers; owners would not influence designers to cut corners.