

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Plumbing Code SECTION: Table 403.1

PROPONENT: Ryan Taylor Architects, LLC DATE: December 15, 2021

EMAIL: rtaylor@ryantaylorarchitects.com

ADDRESS: 2451 Cumberland Parkway SE, Suite 3503; Atlanta, GA 30339

TELEPHONE NUMBER: (770)436-9902 FAX NUMBER: () -

CHECK Revise section to read as follows: Add new section to read as follows:
ONE: 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Approve Approve as amended (DCA STAFF ONLY) Disapprove Withdrawn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:
Change the value in the "Bathtubs/showers" column for Apartment House in Classification 7 of Table 403.1 Minimum Number of Required Plumbing Fixtures in Georgia's amendments to match the 2018 International Plumbing Code: "1 per dwelling unit".

REASON/INTENT:
Table 403.1 Minimum Number of Required Plumbing Fixtures in the Georgia amendments effective January 1, 2020 appears to be a new table. The only intended difference between the table in the amendment and the table in the model code appears to be the requirements reading "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." for both descriptions.

This table removes the requirement for a bathtub or shower in apartment house dwelling units. This should be restored to the language in the 2018 International Plumbing Code as noted above.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:
No adverse financial impact is expected.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Mechanical Code
w/GA Amendments SECTION: 908

PROPONENT: Robert Glass DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638 FAX NUMBER: () -

CHECK X Revise section to read as follows: Add new section to read as follows:

ONE: 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Approve Approve as amended (DCA STAFF ONLY) Disapprove Withdrawn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:

Section 908 Cooling Towers, Evaporative Condensers and Fluid Coolers

908.1 General

A cooling tower used in conjunction with an air-conditioning appliance shall be installed in accordance with the manufacturer's instructions. Factory-built cooling towers shall be listed in accordance with UL 1995 or UL/CSA 60335-2-40. The standards related to high efficiency cooling towers shall include without limitation the minimum standards prescribed by ASHRAE 90.1.

REASON/INTENT:

Manufacturers are transitioning away from UL 1995 to UL 60335-2-40 for new products because UL 1995 will be obsoleted effective 1/1/2024 (see the attached notification from UL concerning this transition from UL 1995 to UL/CSA 60335-2-40). The newest 3rd edition of UL 60335-2-40, published November 2019, has many new requirements for electrical and refrigerant safety. The 3rd edition includes requirements for UV-C germicidal lamp systems, CO₂ systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low Global Warming Potential (Low GWP) Group A2L refrigerants. Certification laboratories use the latest version of the UL 60335-2-40 safety standard for certification testing. This update has been approved by ICC and is in the 2021 IMC.

The American Innovation and Manufacturing (AIM) Act of 2020 was signed into law by President Trump. The AIM Act directs EPA to mandate Low GWP refrigerants in air conditioning and refrigeration systems. The current lists of refrigerants in the Mechanical Code that comply with the Low GWP requirements of the

AIM Act fall into the classification of Group A2L, B2L, A2, and A3. For high probability systems, manufacturers will be switching to Group A2L refrigerants from the current A1. Therefore, the Mechanical Code needs to be updated to address the use of Group A2L refrigerants in high probability (direct) systems.

The EPA SNAP Rule 23, which lists requirements for the use of noted alternate A2L refrigerants, specifies that air-conditioning equipment using these alternate refrigerants MUST be listed to the 3rd edition of UL 60335-2-40 – which is the 2019 edition.

The 2020 Georgia State Minimum Standard One- and Two-Family Dwelling Code already includes equivalent references to UL/CSA 60335-2-40 for UL 1995 and this should be done in the Georgia State Minimum Standard Mechanical Code also.

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will be sold to meet market requirements and to head off the anticipated R-410A shortage that will be created as part of the phase down of the AIM Act. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, A2L refrigerant products which are starting to be sold.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.

8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Mechanical Code
w/GA Amendments SECTION: 916

PROPONENT: Robert Glass DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638 FAX NUMBER: () -

CHECK X Revise section to read as follows: Add new section to read as follows:

ONE: 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:

Section 916 Pool and Spa Heaters

916.1 General

Pool and spa heaters shall be installed in accordance with the manufacturer's instructions. Oil-fired pool and spa heaters shall be tested in accordance with UL 1261. Pool and spa heat pump water heaters shall comply with UL 1995, UL/CSA 60335-2-40 or CSA C22.2 No. 236.

REASON/INTENT:

Manufacturers are transitioning away from UL 1995 to UL 60335-2-40 for new products because UL 1995 will be obsoleted effective 1/1/2024 (see the attached notification from UL concerning this transition from UL 1995 to UL/CSA 60335-2-40). The newest 3rd edition of UL 60335-2-40, published November 2019, has many new requirements for electrical and refrigerant safety. The 3rd edition includes requirements for UV-C germicidal lamp systems, CO₂ systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low Global Warming Potential (Low GWP) Group A2L refrigerants. Certification laboratories use the latest version of the UL 60335-2-40 safety standard for certification testing. This update has been approved by ICC and is in the 2021 IMC.

The American Innovation and Manufacturing (AIM) Act of 2020 was signed into law by President Trump. The AIM Act directs EPA to mandate Low GWP refrigerants in air conditioning and refrigeration systems. The current lists of refrigerants in the Mechanical Code that comply with the Low GWP requirements of the

AIM Act fall into the classification of Group A2L, B2L, A2, and A3. For high probability systems, manufacturers will be switching to Group A2L refrigerants from the current A1. Therefore, the Mechanical Code needs to be updated to address the use of Group A2L refrigerants in high probability (direct) systems.

The EPA SNAP Rule 23, which lists requirements for the use of noted alternate A2L refrigerants, specifies that air-conditioning equipment using these alternate refrigerants MUST be listed to the 3rd edition of UL 60335-2-40 – which is the 2019 edition.

The 2020 Georgia State Minimum Standard One- and Two-Family Dwelling Code already includes equivalent references to UL/CSA 60335-2-40 for UL 1995 and this should be done in the Georgia State Minimum Standard Mechanical Code also.

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will be sold to meet market requirements and to head off the anticipated R-410A shortage that will be created as part of the phase down of the AIM Act. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, A2L refrigerant products which are starting to be sold.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.

8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Mechanical Code
w/Ga Amendments SECTION: 918

PROPONENT: Robert Glass DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638 FAX NUMBER: () -

CHECK X Revise section to read as follows: Add new section to read as follows:

ONE: 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:

Section 918 Forced-Air Warm-Air Furnaces

918.1 Forced-air furnaces

Oil-fired furnaces shall be tested in accordance with UL 727. Electric furnaces shall be tested in accordance with UL 1995 or UL/CSA 60335-2-40. Solid fuel furnaces shall be tested in accordance with UL 391. Forced-air furnaces shall be installed in accordance with the listings and the manufacturer's instructions.

918.2 Heat pumps

Electric heat pumps shall be tested in accordance with UL 1995 or UL/CSA 60335-2-40.

REASON/INTENT:

Manufacturers are transitioning away from UL 1995 to UL 60335-2-40 for new products because UL 1995 will be obsoleted effective 1/1/2024 (see the attached notification from UL concerning this transition from UL 1995 to UL/CSA 60335-2-40). The newest 3rd edition of UL 60335-2-40, published November 2019, has many new requirements for electrical and refrigerant safety. The 3rd edition includes requirements for UV-C germicidal lamp systems, CO₂ systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low Global Warming Potential (Low GWP) Group A2L refrigerants. Certification laboratories will use the latest version of the UL 60335-2-40 safety standard for certification testing. These updates have already been approved by ICC and are in the 2021 IMC.

The American Innovation and Manufacturing (AIM) Act of 2020 was signed into law by President Trump. The AIM Act directs EPA to mandate Low GWP refrigerants in air conditioning and refrigeration systems.

The current lists of refrigerants in the Mechanical Code that comply with the Low GWP requirements of the AIM Act fall into the classification of Group A2L, B2L, A2, and A3. For high probability systems, manufacturers will be switching to Group A2L refrigerants from the current A1. Therefore, the Mechanical Code needs to be updated to address the use of Group A2L refrigerants in high probability (direct) systems.

The EPA SNAP Rule 23, which lists requirements for the use of noted alternate A2L refrigerants, specifies that air-conditioning equipment using these alternate refrigerants MUST be listed to the 3rd edition of UL 60335-2-40 – which is the 2019 edition.

The 2020 Georgia State Minimum Standard One- and Two-Family Dwelling Code already includes equivalent references to UL/CSA 60335-2-40 for UL 1995 and this should be done in the Georgia State Minimum Standard Mechanical Code also.

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will be sold to meet market requirements and to head off the anticipated R-410A shortage that will be created as part of the phase down of the AIM Act. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, A2L refrigerant products which are starting to be sold.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.

8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Mechanical Code
w/GA Amendments SECTION: 1101

PROPONENT: Robert Glass DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638 FAX NUMBER: () -

CHECK X Revise section to read as follows: Add new section to read as follows:

ONE: 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:

Section 1101 General

1101.2 Factory-built equipment and appliances

Listed and labeled self-contained, factory-built equipment and appliances shall be tested in accordance with UL 207, 412, 471, ~~or 1995~~ or UL/CSA 60335-2-40. Such equipment and appliances are deemed to meet the design, manufacture and factory test requirements of this code if installed in accordance with their listing and the manufacturer's instructions.

REASON/INTENT:

Manufacturers are transitioning away from UL 1995 to UL 60335-2-40 for new products because UL 1995 will be obsoleted effective 1/1/2024 (see the attached notification from UL concerning this transition from UL 1995 to UL/CSA 60335-2-40). The newest 3rd edition of UL 60335-2-40, published November 2019, has many new requirements for electrical and refrigerant safety. The 3rd edition includes requirements for UV-C germicidal lamp systems, CO₂ systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low Global Warming Potential (Low GWP) Group A2L refrigerants. Certification laboratories will use the latest version of the UL 60335-2-40 safety standard for certification testing. This update has been approved by ICC and is in the 2021 IMC.

The American Innovation and Manufacturing (AIM) Act of 2020 was signed into law by President Trump. The AIM Act directs EPA to mandate Low GWP refrigerants in air conditioning and refrigeration systems. The current lists of refrigerants in the Mechanical Code that comply with the Low GWP requirements of the

AIM Act fall into the classification of Group A2L, B2L, A2, and A3. For high probability systems, manufacturers will be switching to Group A2L refrigerants from the current A1. Therefore, the Mechanical Code needs to be updated to address the use of Group A2L refrigerants in high probability (direct) systems.

The EPA SNAP Rule 23, which lists requirements for the use of noted alternate A2L refrigerants, specifies that air-conditioning equipment using these alternate refrigerants MUST be listed to the 3rd edition of UL 60335-2-40 – which is the 2019 edition.

The 2020 Georgia State Minimum Standard One- and Two-Family Dwelling Code already includes equivalent references to UL/CSA 60335-2-40 for UL 1995 and this should be done in the Georgia State Minimum Standard Mechanical Code also.

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will need to be sold to meet market requirements. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, Group A2L refrigerant products which are beginning to hit the market.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.

8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Mechanical Code
w/GA Amendments SECTION: 1103

PROPONENT: Robert Glass DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638 FAX NUMBER: () -

CHECK X Revise section to read as follows: Add new section to read as follows:

ONE: 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 1103.1 REFRIGERANT CLASSIFICATION, AMOUNT AND OEL

Footnote:

f. The ASHRAE Standard 34 flammability classification for this refrigerant is 2L, ~~which is a subclass of Class 2.~~

REASON/INTENT:

The change to Table 1103.1 footnote f is to note that A2L is a classification in ASHRAE 34 by itself. It is no longer identified as a subclass of 2. ASHRAE 34 changed the classification of 2Ls in 2018 to a full group resulting in A2L and B2L classification of refrigerants. This is a simplified version from what has been done in the 2024 IMC but retains the same information. This update to Table 1103.1 has been approved by ICC for the 2024 IMC (Group A Item M74-21).

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.
8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____ (DCA USE ONLY)

PAGE 1 OF 3

CODE: 2018 International Mechanical Code
w/GA Amendments

SECTION: 1104

PROPONENT: Robert Glass

DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638

FAX NUMBER: () -

CHECK X Revise section to read as follows:

Add new section to read as follows:

ONE: 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:

SECTION 1104

SYSTEM APPLICATION REQUIREMENTS

1104.3.1 Air conditioning for human comfort.

High probability systems used for human comfort shall use Group A1 or A2L refrigerant. In other than industrial occupancies where the quantity in a single independent circuit does not exceed the amount in Table 1103.1, Group B1, B2 and B3 refrigerants shall not be used in high-probability systems for air conditioning for human comfort.

REASON/INTENT:

The proposed change is necessary to fully recognize the use of A2L refrigerants in high probability (direct) air conditioning systems for human comfort. This update has been approved by ICC for the 2024 IMC (Group A Item M75-21).

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.
8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____ (DCA USE ONLY)

PAGE 1 OF 4

2018 International Mechanical Code
CODE: w/GA Amendments

SECTION: Chapter 15

PROPONENT: Robert Glass

DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638

FAX NUMBER: () -

CHECK X Revise section to read as follows:

Add new section to read as follows:

ONE: 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:

ASHRAE

ASHRAE

1791 Tullie Circle, NE

Atlanta, GA 30329

1105.3, 1106.6, 1106.7, GA

Amendments

15—~~2016~~ 2019

Safety Standards for
Refrigeration Systems

34—~~2016~~ 2019

Designation and Safety
Classification of Refrigerants

202, 1102.2.1, 1103.1

CSA

CSA Group

8501 East Pleasant Valley Road

Cleveland, OH 44131-5516

CSA C22.2 No. 60335-2-40:19

Household And Similar Electric
Appliances - Safety - Part 2-40:
Particular Requirements for
Electric Heat Pumps, Air-
Conditioners and
Dehumidifiers

908.1, 916.1, 918.1, 918.2,
1101.2

UL

UL LLC
333 Pfingsten Road
Northbrook, IL 60062-2096

1995— 2011 <u>2015</u>	Heating and Cooling Equipment —with revisions through July 2015	908.1, 911.1 , 916.1, 918.1, 918.2, 1101.2
<u>60335-2-40-2019</u>	<u>Household And Similar Electric Appliances - Safety - Part 2-40: Particular Requirements for Electric Heat Pumps, Air-Conditioners and Dehumidifiers</u>	<u>908.1, 916.1, 918.1, 918.2, 1101.2</u>

REASON/INTENT:

Manufacturers are transitioning away from UL 1995 to UL 60335-2-40 for new products because UL 1995 will be obsoleted effective 1/1/2024 (see the attached notification from UL concerning this transition from UL 1995 to UL/CSA 60335-2-40). The newest 3rd edition of UL 60335-2-40, published November 2019, has many new requirements for electrical and refrigerant safety. The 3rd edition includes requirements for UV-C germicidal lamp systems, CO₂ systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low Global Warming Potential (Low GWP) Group A2L refrigerants. Certification laboratories use the latest version of the UL 60335-2-40 safety standard for certification testing. The update to UL 60335-2-40-2019 has been approved by ICC for the 2024 IMC (Group A Item M72-21).

The 2020 Georgia State Minimum Standard One- and Two-Family Dwelling Code already includes equivalent references to UL/CSA 60335-2-40 for UL 1995 and this should be done in the Georgia State Minimum Standard Mechanical Code also.

ASHRAE 34-2019 includes many new Low GWP refrigerants that do not appear in previous editions of the standard. ASHRAE 15-2019 incorporates ASHRAE 15-2016 and its Addenda covering such changes as deferral to ANSI/IIAR2 for R-717 ammonia systems (Addendum a), an introduction of specific requirements for the use of Low GWP A2L refrigerants (Addenda d and h), alignment with Standard 34 (Addendum c), clarifications on requirements when changing the refrigerant (Addendum e), clarification and new detail of discharge line piping (Addendum f), as well as some minor clean-ups (Addendum b). ASHRAE 15 requires an A2L appliance or equipment to be listed to UL/CSA 60335-2-40-2019. It should be noted that the 2021 ICC International Mechanical Code references the 2019 edition of ASHRAE 15 and ASHRAE 34.

The American Innovation and Manufacturing (AIM) Act of 2020 was signed into law by President Trump. The AIM Act directs EPA to mandate Low GWP refrigerants in air conditioning and refrigeration systems. The current lists of refrigerants in the Mechanical Code that comply with the Low GWP requirements of the AIM Act fall into the classification of Group A2L, B2L, A2, and A3. For high probability systems, manufacturers will be switching to Group A2L refrigerants from the current A1. Therefore, the Mechanical Code needs to be updated to address the use of Group A2L refrigerants in high probability (direct) systems. ASHRAE 15-2019 addresses all of the safety issues regarding the use of Group A2L refrigerants.

The EPA SNAP Rule 23, which lists requirements for the use of noted alternate A2L refrigerants, specifies that air-conditioning equipment using these alternate refrigerants MUST be listed to the 3rd edition of UL 60335-2-40, which is the 2019 edition.

The deletion of 911.1 from the sections referenced by UL 1995 is simply clean-up work. Section 911.1 Duct Furnaces references UL 1996 and not UL 1995. This reference is in error. UL 1996 correctly references Section 911.1.

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will be sold to meet market requirements and to head off the anticipated R-410A shortage that will be created as part of the phase down of the AIM Act. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, A2L refrigerant products which are starting to be sold.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.
8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.

9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Residential Code
w/GA Amendments SECTION: M1402

PROPONENT: Robert Glass DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638 FAX NUMBER: () -

CHECK Revise section to read as follows: Add new section to read as follows:

ONE: 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:

Section M1402 Central Furnaces

M1402.1 General

Oil-fired central furnaces shall conform to ANSI/UL 727. Electric furnaces shall conform to UL 1995 or
UL/CSA/ANCE 60335-2-40.

REASON/INTENT:

Manufacturers are transitioning away from UL 1995 to UL 60335-2-40 for new products because UL 1995 will be obsoleted effective 1/1/2024 (see the attached notification from UL concerning this transition from UL 1995 to UL/CSA 60335-2-40). The newest 3rd edition of UL 60335-2-40, published November 2019, has many new requirements for electrical and refrigerant safety. The 3rd edition includes requirements for UV-C germicidal lamp systems, CO₂ systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low Global Warming Potential (GWP) Group A2L refrigerants. Certification laboratories will use the latest version of the UL 60335-2-40 safety standard for certification testing. The addition of UL/CSA/ANCE 60335-2-40 was approved by ICC and is printed in the 2021 IRC.

The American Innovation and Manufacturing (AIM) Act of 2020 was signed into law by President Trump. The AIM Act directs EPA to mandate Low GWP refrigerants in air conditioning and refrigeration systems.

The EPA SNAP Rule 23, which lists requirements for the use of noted alternate A2L refrigerants, specifies that air-conditioning equipment using these alternate refrigerants MUST be listed to the 3rd edition of UL 60335-2-40, which is the 2019 edition.

The references to ANCE as a sponsor of this UL/CSA 60335-2-40 standard have been removed as ANCE in Mexico withdrew from the 3rd Edition is no longer associated with this standard after the 2nd Edition. This deletion has been approved by ICC for the 2024 IRC (Group A Item RM6-21).

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will be sold to meet market requirements. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, A2L refrigerant products which will be used.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.
8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.

10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Residential Code
w/GA Amendments SECTION: M1403

PROPONENT: Robert Glass DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638 FAX NUMBER: () -

CHECK X Revise section to read as follows: Add new section to read as follows:

ONE: 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:

Section M1403 Heat Pump Equipment

M1403.1 Heat pumps

Electric heat pumps shall be listed and labeled in accordance with UL 1995 or UL/CSA/~~ANCE~~ 60335-2-40.

REASON/INTENT:

The references to ANCE as a sponsor of this UL/CSA 60335-2-40 standard has been removed as ANCE in Mexico withdrew from the 3rd Edition is no longer associated with this standard after the 2nd Edition. This deletion was approved by ICC for the 2024 IRC (Group A Item RM6-21).

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will be sold to meet market requirements. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, A2L refrigerant products which will be used.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.
8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Residential Code
w/GA Amendments SECTION: M1412

PROPONENT: Robert Glass DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638 FAX NUMBER: () -

CHECK X Revise section to read as follows: Add new section to read as follows:

ONE: 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:

Section M1412 Absorption Cooling Equipment

M1412.1 Approval of equipment

Absorption systems shall be installed in accordance with the manufacturer's instructions. Absorption equipment shall comply with UL 1995 or UL/CSA/~~ANCE~~ 60335-2-40.

REASON/INTENT:

The references to ANCE as a sponsor of this UL/CSA 60335-2-40 standard has been removed as ANCE in Mexico withdrew from the 3rd Edition is no longer associated with this standard after the 2nd Edition. This deletion has been approved by ICC for the 2024 IRC (Group A Item RM6-21).

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will be sold to meet market requirements. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, A2L refrigerant products which will be used.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.
8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Residential Code
w/GA Amendments SECTION: M1413

PROPONENT: Robert Glass DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638 FAX NUMBER: () -

CHECK X Revise section to read as follows: Add new section to read as follows:

ONE: 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:

Section M1413 Evaporative Cooling Equipment

M1413.1 General

Evaporative cooling equipment and appliances shall comply with UL 1995 or UL/CSA/~~ANCE~~ 60335-2-40 and shall be installed:

REASON/INTENT:

The references to ANCE as a sponsor of this UL/CSA 60335-2-40 standard has been removed as ANCE in Mexico withdrew from the 3rd Edition is no longer associated with this standard after the 2nd Edition. This deletion was approved by ICC for the 2024 IRC (Group A Item RM6-21).

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will be sold to meet market requirements. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, A2L refrigerant products which will be used.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.
8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

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

CODE: 2018 International Residential Code
w/GA Amendments SECTION: M2006

PROPONENT: Robert Glass DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638 FAX NUMBER: () -

CHECK X Revise section to read as follows: Add new section to read as follows:
ONE: 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:

Section M2006 Central Furnaces

M2006.1 General

Pool and spa heaters shall be installed in accordance with the manufacturer's installation instructions. Oil-fired pool heaters shall comply with UL 726. Electric pool and spa heaters shall comply with UL 12161. Pool and spa heat pump water heaters shall comply with UL 1995, ~~UL/CSA/ANCE 60335-2-40~~ or CSA C22.2 No. 236.

REASON/INTENT:

Manufacturers are transitioning away from UL 1995 to UL 60335-2-40 for new products because UL 1995 will be obsoleted effective 1/1/2024 (see the attached notification from UL concerning this transition from UL 1995 to UL/CSA 60335-2-40). The newest 3rd edition of UL 60335-2-40, published November 2019, has many new requirements for electrical and refrigerant safety. The 3rd edition includes requirements for UV-C germicidal lamp systems, CO₂ systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low Global Warming Potential (GWP) Group A2L refrigerants. Certification laboratories will use the latest version of the UL 60335-2-40 safety standard for certification testing. The addition of UL/CSA/ANCE 60335-2-40 was approved by ICC and is printed in the 2021 IRC.

The American Innovation and Manufacturing (AIM) Act of 2020 was signed into law by President Trump. The AIM Act directs EPA to mandate Low GWP refrigerants in air conditioning and refrigeration systems.

The EPA SNAP Rule 23, which lists requirements for the use of noted alternate A2L refrigerants, specifies that air-conditioning equipment using these alternate refrigerants MUST be listed to the 3rd edition of UL 60335-2-40, which is the 2019 edition.

The references to ANCE as a sponsor of this UL/CSA 60335-2-40 standard have been removed as ANCE in Mexico withdrew from the 3rd Edition is no longer associated with this standard after the 2nd Edition. This deletion has been approved by ICC for the 2024 IRC (Group A Item RM6-21).

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will be sold to meet market requirements. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, A2L refrigerant products which will be used.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of _____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.
8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.

10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____ (DCA USE ONLY)

PAGE 1 OF 4

CODE: 2018 International residential Code
w/GA Amendments

SECTION: Chapter 44

PROPONENT: Robert Glass

DATE: 11/24/2021

EMAIL: Robert.Glass@goodmanmfg.com

ADDRESS: 12680 Lock 15 Road, Tuscaloosa, AL 35406

TELEPHONE NUMBER: (205)759-9638

FAX NUMBER: () -

CHECK X Revise section to read as follows:
ONE:

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:

ANCE

Association of the Electric Sector
Av. Lázaro Cardenas No. 869
Col. Nueva Industrial Vallejo
C.P. 07700 México D.F.

~~NMX J 521/2-40~~

~~ANCE 2014/ CAN/CSA~~

~~22.2~~

~~No. 60335-2-40-12/~~

~~UL 60335-2-40~~

~~Safety of Household and Similar~~

~~Electric Appliances, Part 2-40:~~

~~Particular Requirements for~~

~~Heat Pumps, Air Conditioners~~

~~and Dehumidifiers~~

~~M1403.1, M1412.1,~~

~~M1413.1~~

ASHRAE

ASHRAE

1791 Tullie Circle NE

Atlanta, GA 30329

~~34-2016~~ 2019

Designation and Safety

Classification of Refrigerants

M1411.1

CSA

CSA Group
8501 East Pleasant Valley Road
Cleveland, OH 44131-5516

~~CAN/CSA~~ C22.2 No.
60335-2-40—~~2012~~19

Safety of Household and Similar
Electrical Appliances, Part 2-40:
Particular Requirements for
Electrical Heat Pumps, Air-
Conditioners and Dehumidifiers

M1402.1, M1403.1,
M1412.1, M1413.1,
M2006.1

UL

UL LLC
333 Pfingsten Road
Northbrook, IL 60062

1995—~~2011~~2015

Heating and Cooling Equipment
~~—with revisions through July~~
~~2015~~

M1402.1, M1403.1,
~~M1407.1~~, M1412.1,
M1413.1, M2006.1

~~UL/CSA/ANCE~~ 60335-2-40—
~~2012~~2019

Standard for Household and
Similar Electrical Appliances —
Safety — Part 2-40: Particular
Requirements for ~~Motor~~
~~compressors~~ Electrical Heat
Pumps, Air-Conditioners and
Dehumidifiers

M1402.1, M1403.1,
M1412.1, M1413.1,
M2006.1

REASON/INTENT:

Manufacturers are transitioning away from UL 1995 to UL 60335-2-40 for new products because UL 1995 will be obsoleted effective 1/1/2024 (see the attached notification from UL concerning this transition from UL 1995 to UL/CSA 60335-2-40). The newest 3rd edition of UL 60335-2-40, published November 2019, has many new requirements for electrical and refrigerant safety. The 3rd edition includes requirements for UV-C germicidal lamp systems, CO₂ systems, photovoltaic systems, new marking requirements, water ingress rating system as well as allowances for Low Global Warming Potential (GWP) Group A2L refrigerants. Certification laboratories will use the latest version of the UL 60335-2-40 safety standard for certification testing.

The American Innovation and Manufacturing (AIM) Act of 2020 was signed into law by President Trump. The AIM Act directs EPA to mandate Low GWP refrigerants in air conditioning and refrigeration systems.

The EPA SNAP Rule 23, which lists requirements for the use of noted alternate A2L refrigerants, specifies that air-conditioning equipment using these alternate refrigerants MUST be listed to the 3rd edition of UL 60335-2-40, which is the 2019 edition.

The references to ANCE as a sponsor of this UL/CSA 60335-2-40 standard has been removed as ANCE in Mexico withdrew from the 3rd Edition is no longer associated with this standard after the 2nd Edition. This deletion was approved by ICC as part of the 2024 IRC development (Group A Item RM6-21).

ASHRAE 34-2019 includes many new Low GWP refrigerants that do not appear in previous editions of the standard. It should be noted that the 2021 IRC references the 2019 edition of ASHRAE 34.

The titles shown in Chapter 44 – Referenced Standards for UL/CSA 60335-2-40 have been updated to reflect the current title of the standards. The UL/CSA 60335-2-40 is being updated to the 2019 edition. This change was approved by ICC as part of the 2024 code process (Group A Items RM4-21 and RM5-21).

The reference to M1407.1 is being deleted from UL 1995 as M1407.1 addresses Duct Furnaces which comply with UL 1996. The reference to UL 1995 in Chapter 44 is in error. M1407.1 is properly referenced under UL 1996.

UL 1995 is being updated to the current 2015 edition. It should be noted that the 2021 IRC references the 2015 edition of UL 1995.

The normal code cycle for Georgia will not be addressed again until 2025 (using the 2024 ICC codes). Before that date, products using Low GWP, Group A2L refrigerants will be sold to meet market requirements. As such, this proposal needs to be addressed on an off-cycle basis to update the code to make allowance for Low GWP, A2L refrigerant products which will be used.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

The code change proposal will not increase or decrease the cost of construction. As a result, there is no impact to cost.

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM INSTRUCTION SHEET

1. Do not complete the line entitled “Item No. _____”.
2. Use a separate form for each proposed code amendment.
3. “Sheet ____ of ____” indicates the number of sheets for each individual proposed code amendment, not the number of sheets for all the amendments submitted.
4. Identify the code and code section that is the subject of the proposed amendment.
5. The proponent’s name, address, telephone number and fax number must be filled out completely.
6. Be sure to indicate the type of recommended action in the space referred to as “Check One”.
7. If the proposed amendment revises the language of the code section, deletes the entire code section, or deletes the entire code section and offers substitute language, include the language of the present code section and line through the language to be deleted and underline the language of the proposed amendment.

8. Under the “Reason” section, provide the reasoning behind the proposed code amendment. The reason should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
9. **A Statement of Financial Impact must accompany all proposed code amendments.** The statement should be clear and concise. Test reports, standards or other supporting information and documentation may be submitted with the proposed amendment and must be attached to the amendment form.
10. **All proposed amendments must be typed and completed in full and the original submitted to the Codes and Industrialized Buildings Section of the Department of Community Affairs NO LATER THAN DECEMBER 15TH.** The proposed code change shall be submitted for review to the State Codes Advisory Committee at their quarterly meeting in January. An incomplete form will be sent back to the proponent for completion. An amendment submitted after the submittal deadline date will be returned to the proponent.
11. The proponent will be notified when the proposed amendment will be considered by the State Codes Advisory Committee.
12. Information concerning submittal of code amendments, including deadline dates for submittal, can be obtained by contacting the Codes and Industrialized Buildings Section at (404) 679-3118. All proposed code amendments should be submitted to:

The Department of Community Affairs
Codes and Industrialized Buildings Section
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS

CODE AMENDMENT FORM

ITEM NO: _____ (DCA USE ONLY) PAGE 1 OF 2

CODE: International Plumbing Code SECTION: 306.2.4 (New)

PROPONENT: Andrea Lanier Papageorge DATE: November 29, 2021

EMAIL: apapageo@southernco.com

ADDRESS: 10 Peachtree Place, Location 1376, Atlanta, GA, 30309

TELEPHONE NUMBER: (404) 472-7390 FAX NUMBER: () -

CHECK Revise section to read as follows: Add new section to read as follows:
ONE: 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 new text as follows:

306.2.4 Tracer wire. For plastic sewer piping, an insulated copper tracer wire or other approved conductor shall be installed adjacent to and over the full length of the piping. Access shall be provided to the tracer wire or the tracer wire shall terminate at the cleanout between the building drain and building sewer. The tracer wire size shall be not less than 14 AWG and the insulation type shall be listed for direct burial.

REASON/INTENT:

The new provision would apply to buried plastic sewer piping and require a tracer wire in close proximity of the non-metallic sewer piping. This will assist in identifying the location of the buried pipe and avoid damaging the pipe when digging in the area of the underground pipe. This will help ensure that there will be no 3-party damage during excavation in the area where the piping is located along with other utilities that may be in the same trench.

This requirement would be an enhancement for safety at minimal expense. There have been many instances of gas lines being cross-bored through plastic sewer lines. Subsequent clearing of a blockage in the sewer can result in a dangerous situation.

To avoid piping damage and a hazardous condition, a tracer wire for plastic pipe is required in the International Fuel Gas Code:

404.17.3 Tracer. A yellow insulated copper tracer wire or other *approved* conductor, or a product specifically designed for that purpose, shall be installed adjacent to underground nonmetallic *pipng*. *Access* shall be provided to the tracer wire or the tracer wire shall terminate above ground at each end of the nonmetallic *pipng*. The tracer wire size shall be not less than 18 AWG and the insulation type shall be suitable for direct burial.

FINANCIAL IMPACT OF PROPOSED AMENDMENT:

Adding tracer wire to installations will result in a minor increase to the cost of construction.