

MINUTES
2015 International Energy Conservation Code Task Force
Seventh Meeting
June 15, 2017, 10:00 A.M.

Call to order- Chairman, Joel Rodriguez called the meeting to order at 10:10 A.M. by welcoming and introducing Task Force members, Department of Community Affairs (DCA) staff, and guests. (See the last page of the minutes for a list of attendees).

Handouts- The following handouts were submitted prior to the meeting (Copies are available upon request.)

1. Energy Code Compliance Certificate submitted by Lauren Westmoreland, SEEA
2. American Architectural Manufacturers Association (AMMA) opposing:
 - DCA #48, Section C402.4 (including deletion of C402.4.1.1 through C402.4.3.2)
 - DCA #52, Deletion of Section C405.2.3 and its subsections
3. Fenestration Manufacturers Association (FMA) opposing:
 - DCA #47, Table C402.1.3
 - DCA #48, Section(s) C402.4 - C402.4.3.2
 - DCA #52, Section(s) C405.2.3- C405.2.3-405.2.3.2-C405-2-3-3
4. Howard Katzman, Georgia Building Performance Association opposing:
 - C402.5.3
 - R402.4.4

Approval of Minutes- The minutes from the May 09, 2017, Task Force meeting were reviewed.

A motion was made by David Hirsch and seconded by Scott Walters to approve the minutes as written.

Motion Carried Unanimously

Item 1 - C202 on-Site Renewable Energy definition.

A motion was made by Mike Barcik and seconded by Lauren Westmoreland to revise and approve C202 on-Site Renewable Energy definition to read as follows:

Revise Section 202 General Definition.

ON-SITE RENEWABLE ENERGY. Energy systems that are located on the building site, are installed on the building's side of the utility service provider's meter, produce energy primarily intended for use in the building and not solely for export to utilities, and produce energy derived from any of the following sources: solar radiation, wind, waves, tides, landfill gas, biomass or the internal heat of the earth. Energy systems that derive energy from solar radiation shall be modeled in the orientation of the energy system.

There was a suggestion to table this amendment and revisit it with the related residential definition. Proponent offered to provide a commentary paragraph to clarify the intention of the proposed amendment.

*Andrea Papageorge, James Martin and Ryan Taylor opposed the motion. **Motion Carried***

Item 4 - Section C402.5.3 Rooms containing fuel-burning appliances.

A motion was made by Andrea Papageorge and seconded by David Hirsch to approve Item 4, C402.5.3 Rooms containing fuel-burning appliances as written.

*Andrea Papageorge voted yay and the rest of the present committee members voted nay. **Motion defeated***

*A motion was made by Lauren Westmoreland and seconded by Mike Barcik to disapprove Item 4, C402.5.3 Rooms containing fuel-burning appliances. Andrea Papageorge opposed. **Motion Carried***

Item 5 - C403.2.8 Kitchen Exhaust Systems.

There were 24 proposed amendments (item 5 through 28) on this code section. Russell Holly, representing Fulton County Schools provided testimony in support of this amendment.

*A motion was made by Elaine Powers and seconded by Neal Davis to approve Item 5, C403.2.8 Kitchen Exhaust Systems. **Motion Carried Unanimously***

Item 66 - R403.3.3 Duct testing (Mandatory).

A motion was made by Elain Power and seconded by Lauren Westmoreland to revise and approve Item 66, R403.3.3 Duct testing (Mandatory) as follows:

R403.3.3 Duct testing (Mandatory). Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. **Rough-in test:** Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure. All registers shall be taped or otherwise sealed during the test.
2. **Post-construction test:** Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exception:

1. A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. Duct tightness testing is not required for existing duct systems unless more than 50% of the duct system is modified.
3. If the air handler, furnace or evaporator coil is replaced on an existing system, all joints, seams and connections from equipment to duct system and duct system connections to plenums within 5 feet from the new work shall meet the sealing requirements of this code and be verified by a visual inspection by the state licensed conditioned air contractor or by a DET Verifier.

A report of the results of the test shall be signed by the party conducting the test and provided to the ~~code official~~ owner or the owner's agent and, if requested, to the code official.

Motion Carried Unanimously

Item 67 - R403.5.4 Drain water heat recovery units.

Ryan Taylor provided testimony in support of his amendment. The amendment was tabled for future meeting.

Item 68 - R403.3.4 Duct Leakage (Prescriptive).

A motion was made by Ryan Taylor and seconded by Elaine Powers to revise and approve Item 68, R403.3.4 Duct testing (Prescriptive) as follows:

R403.3.4 Duct leakage (Prescriptive)-(Mandatory). The total leakage of the ducts, where measured by one of the following methods in accordance with Section R403.3.3 shall be as follows:

1. Rough-in test: The total leakage shall be less than or equal to 4 cubic feet per minute (113.3 L/min) per 100 square feet (9.29 m²) of conditioned floor area where the air handler is installed at the time of the test. ~~Where the air handler is not installed at the time of the test, the total leakage shall be less than or equal to 3 cubic feet per minute (85 L/min) per 100 square feet (9.29m²) of conditioned floor space.~~

2. Post-construction test: Total leakage shall be less than or equal to ~~four~~ **8** cubic feet per minute (113.3 L/min) per 100 sq. feet (9.29 m²) of conditioned floor area.

One year after the effective year of the GA Energy Code, post-construction total leakage shall be less than or equal to 4 cubic feet per minute (113.3 L/min) per 100 sq. feet (9.29 m²) of conditioned floor area.

Exception:

1. A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. Duct tightness testing is not required for existing duct systems unless more than 50% of the duct system is modified.
3. If the air handler, furnace or evaporator coil is replaced on an existing system, all joints, seams and connections from equipment to duct system and duct system connections to plenums within 5 feet from the new work shall meet the sealing requirements of this code and be verified by a visual inspection by the state licensed conditioned air contractor or by a DET Verifier.

Andrea Papageorge opposed. Motion Carried

Item 69 - R502.1.1.2 Heating and cooling systems.

A motion was made by Elaine Powers and seconded by Neal Davis to accept the Item 69, R502.1.1.2 Heating and cooling systems as written. Motion Carried Unanimously

Item 70 - R503.1.2 Heating and cooling systems.

A motion was made by Elaine Powers and seconded by Ryan Taylor to accept the Item 70, R503.1.2 Heating and cooling systems as written. Motion Carried Unanimously

Item 71 - R403.7 Equipment sizing and efficiency rating (Mandatory).

A motion was made by Ryan Taylor and seconded by Neal Davis to accept the Item 71, R403.7 Equipment sizing and efficiency rating (Mandatory) as written. Motion Carried Unanimously

Item 73 - R403.6 Mechanical ventilation (Mandatory).

A motion was made by Mike Barcik and seconded by Elaine Powers to revise and approve Item 73, R403.6 Mechanical ventilation (Mandatory) as follows:

R403.6 Mechanical ventilation (Mandatory). Where required, the building shall be provided with ventilation that meets the requirements of the *International Residential Code* or *International Mechanical Code*, as applicable, or with ASHRAE 62.2-2016 (in entirety) or with other approved means

of ventilation. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

R403.6.1 Whole-house mechanical ventilation system fan efficacy. Mechanical ventilation system fans shall meet the efficacy requirements of Table R403.6.1.

Exception: Where mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor.

Andrea Papageorge opposed. Motion Carried

A motion was made by Mike Barcik and seconded by Neal Davis to add ASHRAE 62.2 (2016) to CHAPTER 6 [RE] REFERENCED STANDARDS. Andrea Papageorge opposed. Motion Carried

Item 74 - R403.1.2 Heat pump supplementary heat (Mandatory).

A motion was made by Mike Barcik and seconded by Ron Anderson to approve Item 74, R403.1.2 Heat pump supplementary heat (Mandatory) as written. Motion Carried Unanimously

OLD BUSINESS. There was no further old business.

NEW BUSINESS. There was no new business.

Chairman Rodriguez assigned two more dates for future meetings. The eighth meeting of the 2015 IECC Task Force will be held on August 15, 2017 and September 21, 2017. Task Force members agreed upon the dates.

CONCLUSION OF MEETING

- Chairman Rodriguez announced the next scheduled meeting is August 15, 2017.
- No further business or discussion. The meeting adjourned at 4:10 P.M.

Attendees

Task Force Members Present: Joel Rodriguez, Ryan Taylor, Ron Anderson, Mike Barcik, Kelly Cutts, Neal Davis, Mark Gallman, David Hirsch, Andrea Papageorge, James Martin, Elaine Powers, John Pruitt, Scott Walters, and Lauren Westmoreland.

Task Force Members Absent: Stephen Adams, Jim Moody and Max Rietschier.

Staff Members Present: Ted Miltiades, Seti Ordoobadi, Bill Towson, Matt McConnell and Kadedra Caldwell.

Guests: Russell Holly, Fulton County Schools; Kevin Chenoweth, D&L Heating and Air Inc.; Bourke Reeve, Southface; Brian Shanks, Beazer Homes; Eric Lacey, RECA; Amanda Hickman, ICI; Abe Kruger, SK Collaborative; Phil Brown, ICYNENE; Brian Griffin, Pat Griffin, Quality Air Inc.; Shan Arora, Southface; Bettie Sleeth, HBAG; Don Willis, Smart Energy Solutions; Nick Wortel, APA; Floyd Fasselt, City of Acworth; Jim Matheson, Matheson-Ball; David Dowis; SCCS; Jimmy Reynolds, Green South Energy Solutions; Mark Schroder, BOMA; Dee LeClair, Stevens Wilkinson; Dan Clifford (for Stan Everett), Salas O'Brien; Thomas Beusse, American Chemistry Council; John Hudgison, City of Columbus; Will Wiggins, City of Dunwoody; Ron Petrey, Mingledorff's; Connor Barbaree, ASHRAE; Mike Dillon, Spurlock Associations.

End of Minutes.