

Residential Energy Code TAG

Meeting Notes

Date: Tuesday, January 16, 2024

Meeting Location: Hybrid – Washington Room/WebEx

Call to order:

Steve Shold

Attendance:

TAG Members present: Steve Shold (DLI), Don Sivigny (DLI), Chris Rosival (DLI), John Smith (practical engineering applications), Rebecca Olson (MN Center for Energy & Environment), Eric Fowler (Fresh Energy), Eric Boyd (Housing First Minnesota), Mike Allen (BAM), Alyssa Jagdfeld (MN AIA), Mike Robertson (Habitat for Humanity), Alison Lindburg (Midwest Energy Efficiency Alliance), Jim Kumon (Heirloom Properties)

TAG Members absent: Steve Ubl (building officials)

Guests attending: Amanda Spuckler (DLI), Chad Payment (DLI), Tim Manz (DLI), Nick Erickson, Gary Thaden, Brad Fevold, Brandon Jaeger, Craig Drumheller, David McDonald, Eric Lacey, Jason Vandever, Jonny Kocher, Michael Johnson, Michael Rossi, Richard Hauffe, Steve Elkins, Tom Henningsen

1. Call to order

2. TAG members reviewed 2021 IECC section R408 and code change proposals as described below.

2021 IECC Section R408 Additional efficiency requirements

TAG members reviewed code change proposal RE-14 that modifies section 408 to require the selection of additional energy efficiency credit requirements, which is similar to requirements in the draft 2024 IECC. TAG members expressed concerns about the complexity of the proposal. The TAG consensus is not to accept the code change proposal and to accept the language of section 408 as written.

2021 IECC Section R404.3.1 Ducts located outside conditioned space

TAG members reviewed code change proposal RE-24 that modifies the title of the section to “duct insulation” and adds table R403.3.1 to address insulation requirements dependent upon duct type and location. The

proposed table is similar to table in current Minnesota Rules, part 1322.0403, subpart 1, but requires R-6 insulation where R-3.5 is currently required. The TAG consensus is to accept the code change proposal.

Section R402.2.7 Floors

TAG members reviewed code change proposal RE-25 that requires the space between the duct and unconditioned area be insulated to R-30 and does not require the floor insulation to be in contact with the underside of the subfloor where the perimeter of the floor assembly is insulated. The TAG consensus is to accept the code change proposal.

2021 IECC Table R402.4.1.1 Air barrier, air sealing, and insulation installation

TAG members reviewed code change proposal RE-26 to not require floor insulation to be in contact with the underside of the of the subfloor where the perimeter of the floor is insulated to the same extent as an exterior wall. The proposal aligns the table with changes suggested in code change proposal RE-25. The TAG consensus is to accept the code change proposal.

Section R404.X.X Wall cavities containing ducts

TAG members reviewed code change proposal RE-27 that adds a section to require wall cavities that contain ducts and separate conditioned from unconditioned space to be insulated to the required R-value, excluding the R-value of the duct insulation. The code change proposal is necessary to ensure the wall insulation is not reduced due to the ductwork within the cavity. The TAG consensus is to accept the code change proposal.

Section R402.2.3 Ceiling insulation containing buried ducts

TAG members reviewed code change proposal RE-28 that adds a section to require the sum of the ceiling insulation R-value surrounding the duct to be not less than the required ceiling R-value, excluding the R-value of the duct insulation. The TAG consensus is to accept the code change proposal.

Section R502.3.2 Heating and cooling systems

TAG members reviewed code change proposal RE-29 that modifies the exception to section R502.3.2 to require new ducts installed as a part of an addition to be insulated. The TAG consensus is to accept the code change proposal.

Section R503.1.2 Heating and cooling systems

TAG members reviewed code change proposal RE-30 that modifies the exception to section R502.3.2 to require new ducts installed as a part of an alteration to be insulated. The TAG consensus is to accept the code change proposal.

Next Meeting:

Date: Monday, February 5, 2024

Time: 9:00 AM

Location: Hybrid – Minnesota Room/WebEx Event

Meeting Adjourned: 12:00 PM

Prepared by: Steve Shold