

STATE BUILDING CODE OPINION 24-Sept09

CODE: 2021 International Mechanical Code

SECTION: 1101.1, 1109.3.2, and 1109.4.2, Application of ASHRAE 15.2 in Residential Refrigeration Systems

BACKGROUND: The 2021 IMC Chapter 11 does not include option for compliance with ASHRAE 15.2-2022 for refrigeration systems in residential applications. The 2027 IMC Code Change Proposal M62-24 includes amendments to IMC Chapter 11 to allow applicable systems and specific residential occupancies to comply with ASHRAE 15.2 in lieu of ASHRAE 15.

QUESTION 1: Is it acceptable to show compliance with ASHRAE 15.2 for refrigeration systems and residential occupancies within the scope of ASHRAE 15.2?

ANSWER 1: **Yes. It is acceptable to show compliance with ASHRAE 15.2-2022 and approved Addenda. Note the entire system must be design to either ASHRAE 15 or ASHRAE 15.2 requirements. Local jurisdictions have the ability to approve code alternatives in accordance with IMC Section 105.2 to document the code compliance pathway.**

QUESTION 2: ASHRAE 15.2-2022 Section 8.5.2.2 does not require shaft ventilation for refrigerant piping without piping joints within the rated shaft where the listed direct A2L refrigeration system serves only a single dwelling unit or sleeping unit. Is it acceptable to route refrigerant piping for more than one refrigerant system within the same rated shaft.

ANSWER 2: **Yes. It is acceptable in accordance with ASHRAE 15.2-2022 to route refrigerant piping, without piping joints in the shaft, for more than one A2L refrigeration system within the same rated shaft without venting where each refrigeration system only serves a single dwelling unit or sleeping unit.**

SUPERSEDES: None

REQUESTED BY: City of Bellevue