

## New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IMC

| Chapter 1346 Mechanical and Fuel Gas Code, Mechanical Code Portion |                        |                  |   |                         |   |                       |             |  |  | To be completed by TAG members |                       |  |  |
|--|------------------------|------------------|---|-------------------------|---|-----------------------|-------------|--|--|--------------------------------|-----------------------|--|--|
| Item No.   | Minnesota Code Section | "I" Code Section | Subject   | Current Minnesota Amend | Description of Change   | Safety & Health Value | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments  | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus            | Stakeholder Consensus | Comments   |  |
|  |                        |                  |   | Y or N                  |   |                       |             |  |  | Y or N                         | Y or N                |  |  |
| 1  | 1346.0050.             |                  | Incorporation by Reference                          | Y                       | Incorporate chapters 2-15 of the 2024 IMC   | N                     | N           | AM   | AM   | Y                              |                       |  |  |
| 2  | 1346.0050.             |                  | Incorporation by Reference                          | Y                       | Change the reference to NFPA 96-2017 to NFPA 96-2024                                    | N                     | N           | AM   | AM   | Y                              |                       |  |  |
| 3  | 1346.0050.             |                  | Incorporation by Reference                          | Y                       | Remove ASHRAE 62.2 as referenced  | N                     | N           | AM   | Repeal   | Y                              |                       | Vote of 9-0 in favor with 1 abstain  |  |
| 4  | 1346.0050.             |                  | Incorporation by Reference                          | Y                       | Change the reference to ASHRAE 154-2016 to ASHRAE 154-2022                              | N                     | N           | AM   | A  |                                |                       |  |  |
| 5  | 1346.0201.4            | 201.4            | Terms not defined                                   | Y                       | Chapter 1300 is looking to change the definition  |                       |             | Amend to meet 1300 and IBC definitions   | A  |                                |                       | From IBC meeting notes: The TAG discussed amending this to align with the code change proposal to MR 1300.0070 Subp. 1 Definitions. The proposed change adds a first default for definitions to the other rules chapters in the State Building Code before simply going to the dictionary. The TAG consensus was to amend this section to match MR 1300. |  |
| 6  |                        | Section 202      | Ambulatory care facility                            | N                       | Added definition in 2024 for Ambulatory Care Facility                                   | N                     | N           | IBC has Minnesota amended definition. Suggest following IBC amended definition for consistency                                 | A Follow IBC   |                                |                       | Meet IBC definition  |  |
| 7  |                        | Section 202      | Approved agency                                     | N                       | Minor changes to verbiage in the 2024   | N                     | N           | IBC has almost the same definition with the only change being code official to building official, so no amendment is necessary | A  |                                |                       |  |  |
| 8  |                        | Section 202      | Balanced ventilation                                | N                       | Added definition in 2021 for balanced ventilation, changed verbiage in the 2024         | N                     | N           | Revisit when IRC Tag is started  | A  | N                              |                       | Vote of 6-4 in favor IRC mimics unamended definition   |  |
| 9  |                        | Section 202      | Ceiling radiation damper                            | N                       | Changed definition for ceiling radiation damper in the 2021. Added dynamic requirements | N                     | N           | A  | A  | Y                              |                       |  |  |
| 10   | 1346.0202              | Section 202      | Closed combustion solid fuel-burning-appliance      | Y                       | Remove Minnesota Amendment to closed combustion solid fuel-burning-appliance            | N                     | N           | Accept: The model code language is almost identical to the Minnesota amendment   | Repeal   | Y                              |                       | Remove Minnesota amendment   |  |
| 11   | 1346.0202              | Section 202      | Commercial cooking appliances                       | Y                       | Minnesota Amendment to commercial cooking appliance.                                    | N                     | N           | Need to revisit amendment for clarity as referenced in ASHRAE 154  | Repeal amendment and removed the definition              |                                |                       | Brian Stemwedel submitted CCP  |  |
| 11a  |                        | Section 202      | Commercial cooking recirculation sytem              | N                       |   | N                     | N           | Removed definition   | A  |                                |                       | Brian Stemwedel submitted CCP  |  |
| 11b  |                        | Section 202      | Commercial kitchen hoods (including types of hoods) | N                       |   | N                     | N           | Removed definition   | A  |                                |                       | Brian Stemwedel submitted CCP  |  |
| 11c  |                        | Section 202      | Compensating hoods                                  | N                       |   | N                     | N           | Removed definition   | A  |                                |                       | Brian Stemwedel submitted CCP  |  |
| 12   |                        | Section 202      | Condensing unit                                     | N                       | 2024 verbiage change  | N                     | N           | A  | A  | Y                              |                       |  |  |
| 13   | 1346.0202              | Section 202      | Decorative solid fuel burning appliance             | Y                       | Remove definition, not needed.  | N                     | N           | The code does not reference these type of appliances. Chapter 9 has listings, none reference this definition.                  | Repeal   | Y                              |                       | Remove Minnesota amendment   |  |
| 14   |                        | Section 202      | Direct evaporative cooling                          | N                       | New definition in the 2021 kept in the 2024   | N                     | N           | A  | A  | Y                              |                       |  |  |
| 15   |                        | Section 202      | Draftstop   | N                       | New definition in the 2024  | N                     | N           | Accept: Aligns with the 2024 IBC   | A  | Y                              |                       |  |  |
| 16   | 1346.0202              | Section 202      | Exhaust system                                      | Y                       | Remove Minnesota Amendment. Causes issues with section 505.6                            | N                     | N           | Accept: By keeping domestic kitchen exhaust hoods, ALL kitchen domestic hoods must be exhausted to the exterior.               | A  | Y                              |                       |  |  |

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| Item No.   | Minnesota Code Section | "I" Code Section | Subject                                  | Current Minnesota Amend | Description of Change  | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments   | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus            | Stakeholder Consensus | Comments                                      |
|  |                        |                  |  | Y or N                  |  | N=None, L=Low<br>M=Med, H=High |             |   | Y or N   | Y or N                         |                       |   |
| 17   | 1346.0202              | Section 202      | Fan assisted appliance                   | Y                       | Remove   | N                              | N           | Accept: The tables in 501.4 will be relocated to the IRC and revised accordingly. Chapter 9 lists all the appliances. This definition, in the IMC, is not needed. There is a definition in the IFGC | Repeal   | Y                              |                       | Remove Minnesota amendment                    |
| 18   |                        | Section 202      | Flammability classifications             | N                       | 2021 IMC changed the definition and the 2024 removed the definition.     | N                              | N           | Accept: Moved to Refrigerant safety group classification definition.  | A  | Y                              |                       |   |
| 19   |                        | Section 202      | Grease duct                              | N                       | New definition in the 2024   | N                              | N           | Recommend we follow ASHRAE 154 definition for grease duct   | R  | Y                              |                       | ASHRAE 154 has a definition that we will keep |
| 20   |                        | Section 202      | Gypsum board                             | N                       | New definition in the 2024, copied from the IBC                          | N                              | N           | A   | A  | Y                              |                       |   |
| 21   |                        | Section 202      | Gypsum wallboard                         | N                       | New definition in the 2024, copied from the IBC                          | N                              | N           | A   | A  | Y                              |                       |   |
| 22   |                        | Section 202      | Heat pump                                | N                       | Changed definition in the 2024 for heat pump                             | N                              | N           | Accept: Aligns with industry standards.   | Accept CCP   |                                |                       | John Smith submitted CCP                      |
| 23   |                        | Section 202      | Indirect evaporative cooling             | N                       | Added definition in the 2021 and carried to the 2024                     | N                              | N           | Accept: Aligns with industry standards.   | A  | Y                              |                       |   |
| 24   |                        | Section 202      | Large-diameter ceiling fan               | N                       | Added definition in the 2021 and carried to the 2024                     | N                              | N           | A   | A  | Y                              |                       |   |
| 25   |                        | Section 202      | Listed                                   | N                       | Changed definition in the 2024   | N                              | N           | IBC has almost the same definition with the only change being code official to building official, so no amendment is necessary  | A  |                                |                       |   |
| 26   |                        | Section 202      | Lower flammable limit (Refrigerant)(LFL) | N                       | Changed the definition in the 2024                                       | N                              | N           | Accept: Clarification to the existing definition.   | A  | Y                              |                       |   |
| 27   |                        | Section 202      | Noncombustible material                  | N                       | Changed the definition in the 2024                                       | N                              | N           | A   | A  | Y                              |                       |   |
| 28   |                        | Section 202      | Peer review                              | N                       | Added definition in the 2024   | N                              | N           | Accept: Aligns with the 2024 IBC  | A  | Y                              |                       |   |
| 29   | 1346.0202              | Section 202      | Power vent appliance                     | Y                       | Remove the Minnesota Amendment to the IMC                                | N                              | N           | Accept: The tables in 501.4 will be relocated to the IRC and revised accordingly. This definition, in the IMC, is not needed. The IFGC has category definitions that address venting types.         | Repeal   | Y                              |                       | Remove Minnesota amendment                    |
| 30   | 1346.0202              | Section 202      | Powered makeup air                       | Y                       | Remove   | N                              | N           | Accept: The tables in 501.4 will be relocated to the IRC and revised accordingly.   | Repeal   | Y                              |                       | Remove Minnesota amendment                    |
| 31   |                        | Section 202      | Press-connect joint                      | N                       | Changed the definition adding clarity in the 2021 and copied in the 2024 | N                              | N           | A   | A  | Y                              |                       |   |
| 32   |                        | Section 202      | Refrigerant                              | N                       | Changed the definition in the 2024 providing clarity                     | N                              | N           | A   | A  | Y                              |                       | Vote 10-0 in favor                            |
| 33   |                        | Section 202      | Refrigerant designation                  | N                       | Added definition in the 2024   | N                              | N           | A   | A  | Y                              |                       |   |
| 34   |                        | Section 202      | Refrigerant safety group classification  | N                       | Added definition in the 2021 and revised it in the 2024                  | N                              | N           | A   | A  | Y                              |                       |   |
| 35   |                        | Section 202      | Refrigeration system                     | N                       | Changed from Refrigerating System and changed the verbiage in the 2024   | N                              | N           | A   | A  | Y                              |                       |   |

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| 36   | 1346.0202              | Section 202      | Sealed   | Y                       | Remove   | N                              | N           | UL181 is designed for duct sealing. Are other sealing methods can be used for other materials.  | Repeal   | Y                              |                       | Remove Minnesota amendment   |
| 37   |                        | Section 202      | Steam bath equipment   | N                       | Added definition in the 2024   | N                              | N           | A   | A  | Y                              |                       |  |
| 38   | 1346.0202              | Section 202      | Solid fuel appliance   | Y                       | Remove?  | N                              | N           | Chapter 9 addresses listed appliances.  | Repeal   |                                |                       |  |
| 39   |                        | Section 202      | Toxicity classification (Refrigerant)                                | N                       | Changed the title from Toxicity classification and changed the verbiage in 2021 and removed the definition in 2024 | N                              | N           | The change aligns with industry standards.  | A  |                                |                       |  |
| 40   |                        | Section 202      | Unvented alcohol fuel-burning decorative appliance                   | N                       | Added definition in the 2021 and remains in the 2024   | N                              | N           | Reject: Our Minnesota amendment 901.5 prohibits these appliances.   | R  |                                |                       |  |
| 41   | 1346.0301.7            | 301.7            | Listed and labeled   | Y                       | Model code language differs from amendment.  | N                              | N           | Keep amendment  | A  |                                |                       |  |
| 42   |                        | 301.18           | Seismic resistance   | N                       | Changed in the 2021, copied in the 2024.   | N                              | N           | Not needed for Minnesota. Remains in the 2020 1346  | A  |                                |                       |  |
| 43   |                        | 302.3            | Cutting, notching and boring in wood framing                         | N                       | Changed the verbiage and removed 302.3.2 and 302.3.3 in 2024   | N                              | N           | A   | A  |                                |                       |  |
| 44   |                        | 302.3.1          | Engineered wood products   | N                       | Changed location from 302.3.4 in 2024  | N                              | N           | A   | A  |                                |                       |  |
| 45   |                        | 302.5            | Cutting and notching in cold-formed steel framing                    | N                       | Changed the verbiage and removes subsections 302.5.2 and 302.5.3 in 2024   | N                              | N           | A   | A  |                                |                       |  |
| 46   | 1346.0303.8            | 303.8.           | Elevator shafts  | Y                       | Deleted in 1346.0303.8.  | N                              | N           | Change to read mechanical systems shall be installed in an elevator shafts as allowed in MR1305   | Repealed Minnesota amendment and accepted CCP            |                                |                       | Brian submitted CCP  |
| 47   |                        | 304.11           | Guards   | N                       | Added language in to 2021 for roof hatches and remains in the 2024   | N                              | N           | Accept: Referenced in the 2024 IBC 1015.7 Roof access   | A  |                                |                       |  |
| 48   |                        | Table 305.4      | Piping support spacing   | N                       | Changed the table in the 2024 removing PB  | N                              | N           | A   | A  |                                |                       |  |
| 49   |                        | 305.5            | Protection against physical damage                                   | N                       | Change verbiage in the 2024 changing the 1 1/2" to 1 1/4"  | N                              | N           | A   | A  |                                |                       | Decided not to change  |
| 50   |                        | 305.5.1          | Shield plates  | N                       | Added a section addressing steel plates in the 2024  | N                              | N           | A   | A  |                                |                       |  |
| 51   |                        | 306.1            | Access and service space   | N                       | Changed verbiage in the 2024   | N                              | N           | A   | A  |                                |                       |  |
| 52   | 1346.0306.5            | 306.5            | Mechanical equipment and appliances on roofs and elevated structures | Y                       | 2024 changed verbiage. Minnesota amended.  | N                              | N           | Keep model code language and add language to allow the same required for access to uninhabited spaces such as alternating tread and ships ladders. IBC 1011.14 and 1011.15. |  |                                |                       | Have CCP removing amendment  |
| 53   | 1346.0306.5.1          | 306.5.1          | Sloped roofs   | Y                       |  | N                              | N           | Remove amendment. Keep model code language.   |  |                                |                       | No CCP needed. Per 1305  |
| 54   | 1346.0306.5.2          | 306.5.2          | Electrical requirements  | Y                       |  | N                              | N           | Remove amendment. Keep model code language.   | AM   |                                |                       | CCP needed, remove amended language for Item 6 Britt and I will propose CCP to align IBC with IMC. Keep aligned with IFGC. IBC changed language will need CCP to align 10-23-24 note to copy to IFGC |
| 55   | 1346.0306.5.3          |                  | Permanent ladders  | Y                       |  | N                              | N           | Remove amendment  |  |                                |                       | No CCP needed. Per 1305  |
| 56   |                        | 307.1.1          | Identification   | N                       | Added verbiage in the 2021, copied in the 2024   | N                              | N           | A   | A  |                                |                       |  |

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| 57   |                        | 307.2.1.1        | Condensate discharge  | N                       | Added a section addressing condensate discharge location                           | N                              | N           | A   | A  |                                |                       |  |  |
| 58   |                        | 307.2.2          | Drain pipe materials and sizes  | N                       | Changed verbiage in the 2021 and copied in the 2024. No large changes.             | N                              | N           | A   | A  |                                |                       |  |  |
| 59   |                        | 307.2.3.3        | Identification  | N                       | Added verbiage in the 2021, copied in the 2024                                     | N                              | N           | A   | A  |                                |                       |  |  |
| 60   | 1346.0307.3            | 307.3            | Condensate pumps  | Y                       | Minnesota removed the code section regarding the installation of condensate pumps. | N                              | N           | Advise adding language prohibiting condensate pumps in areas prone to freezing, leaving the last sentence.  | A  |                                |                       | Staff will write CCP align with IFGC. 10/23/24 IFGC did not change. Staff does not need CCP. Retain deleted language |  |
| 61   |                        | 308.4.2.5        | Kitchen exhaust ducts   | N                       |  | N                              | N           | Advise amending this section to remove language referring to Section 506.3.11.1 as Minnesota does not adopt the model code language in Section 506 for commercial kitchen hood ventilation requirements | Delete section   |                                |                       | Delete   |  |
| 62   | 1346.0309.2            |                  | Balancing   | Y                       | The 2021 and copied in 2024 added Section 608 that is titled Balancing.            | N                              | N           | Advise we move the amendments MR1346.0309.2, MR1346.0309.2.1, 1346.0309.2.2 and MR1346.0309.2.3 to IMC 608 and revise.  | Repeal and replace with CCP                              |                                |                       | CCP approved 7/22/24   |  |
| 63   | 1346.0401.2            | 401.2            | Ventilation required  | Y                       | The 2021 changed verbiage that was copied in the 2024.                             | N                              | N           | Since we are moving the residential mechanical provisions to the IRC, the section will need to be reviewed and revised.   | A  |                                |                       |  |  |
| 64   | 1346.0401.2.1          |                  | Ventilation in IRC  | Y                       |  | N                              | N           | Since we are moving the residential mechanical provisions to the IRC, the section will need to be reviewed and revised.   | Repeal   |                                |                       |  |  |
| 65   | 1346.0401.2.2          |                  | Ventilation in Group R-2, R-3 and R-4 occupancies three stories and less in height  | Y                       |  |                                |             | Since we are moving the residential mechanical provisions to the IRC, the section will need to be reviewed and revised.   | Repeal   |                                |                       |  |  |
| 66   | 1346.0401.2.3          |                  | Ventilation in Group R-2, R-3 and R-4 occupancies more than three stories in height | Y                       |  |                                |             | Since we are moving the residential mechanical provisions to the IRC, the section will need to be reviewed and revised.   | Repeal   |                                |                       |  |  |
| 67   | 1346.0401.4            | 401.4            | Intake opening location   | Y                       | 2021 revised verbiage as well as 2024.   | N                              | N           | Review, suggest adopting model code language.   | A  |                                |                       |  |  |
| 68   |                        | 403.2.1          | Recirculation of air  | N                       | 2021 changed verbiage to add ANSI/ACCA 10 Manual SPS and remains in the 2024.      | N                              | N           | A   | A  |                                |                       |  |  |
| 69   | 1346.0403.3            | 403.3            | Outdoor air and local exhaust airflow rates   | Y                       | Minnesota amendment references MR1346.0401.2.2.                                    | N                              | N           | Suggest adopting model code language since MR1346.0401.2.2 will be revised or deleted   | A  |                                |                       |  |  |

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| 70   |                        | 403.3.1          | Other buildings intended to be occupied                                     | N                       | 2024 verbiage change.   | N                              | N           | A   | A  |                                |                       |   |  |
| 71   |                        | Table 403.3.1.1  | Minimum Ventilation Rates   | N                       | The 2024 added details to the table including animal facilites, outpatient healthcare facilities and other changes.   | N                              | N           | A   | A  |                                |                       |   |  |
| 72   |                        | 403.3.1.3        | System operation  | N                       | Changes to verbiage in the 2021 kept in 2024 regarding occupied times   | N                              | N           | A   | A  |                                |                       |   |  |
| 73   |                        | 403.3.1.5        | Balancing   | N                       | This section was removed in the 2021 and also in the 2024. Balancing has been moved to Section 608  | N                              | N           | A   | A  |                                |                       |   |  |
| 74   | 1346.0403.3.2          | 403.3.2          | Group R2, R3 and R4 occupancies, three stories and less                     | Y                       | Minnesota removed the code requirement in the 2018 IMC. The 2015 Residential Energy Code is changing to remove ventilation from the code provisions. 2024 changed model code language.              | N                              | N           | The IMC will need to address these occupancies. Also will need to have the IRC mechanical provisions aligned. | AM   |                                |                       | CCP from Mike Moore 6/10/24   |  |
| 75   | 1346.0403.3.2          | 403.3.2.1        | Outdoor air for dwelling units  | Y                       | Minnesota removed the code requirement in the 2018 IMC. The 2015 Residential Energy Code is changing to remove ventilation from the code provisions. 2021 changed model code language, as did 2024. | N                              | N           | The IMC will need to address these occupancies. Also will need to have the IRC mechanical provisions aligned. | AM   |                                |                       | CCP from Mike Moore 6/10/24   |  |
| 76   | 1346.0403.3.2          | 403.3.2.2        | Outdoor air for other spaces  | Y                       | Minnesota removed the code requirement in the 2018 IMC. The 2015 Residential Energy Code is changing to remove ventilation from the code provisions.  | N                              | N           | The IMC will need to address these occupancies. Also will need to have the IRC mechanical provisions aligned. | AM   |                                |                       | CCP from Mike Moore 6/10/24   |  |
| 77   | 1346.0403.3.2          | 403.3.3.3        | Local Exhaust   | Y                       | Minnesota removed the code requirement in the 2018 IMC. The 2015 Residential Energy Code is changing to remove ventilation from the code provisions.  | N                              | N           | The IMC will need to address these occupancies. Also will need to have the IRC mechanical provisions aligned. | AM   |                                |                       | CCP from Mike Moore 6/10/24   |  |
| 78   |                        | Table 403.3.2.3  | Minimum required local exhaust rates for group R-2, R-3 and R-4 occupancies | Y                       | Table was amended out of the 2020 Minnesota Mechanical Code. Continuous airflow amounts in the table increased in the 2024 IMC.   | N                              | N           | Repeal Minnesota amendment, adopt as written.   | AM   |                                |                       | CCP from Mike Moore 6/10/24   |  |
| 79   | 1346.0403.3.2          | 403.3.2.4        | System controls   | Y                       | Minnesota removed the code requirement in the 2018 IMC. The 2015 Residential Energy Code is changing to remove ventilation from the code provisions.  | N                              | N           | The IMC will need to address these occupancies. Also will need to have the IRC mechanical provisions aligned. | AM   |                                |                       | CCP from Mike Moore 6/10/24   |  |
| 80   | 1346.0403.3.2          | 403.3.2.5        | Ventilating equipment   | Y                       | Minnesota removed the code requirement in the 2018 IMC. The 2015 Residential Energy Code is changing to remove ventilation from the code provisions.  | N                              | N           | The IMC will need to address these occupancies. Also will need to have the IRC mechanical provisions aligned. | AM   |                                |                       | CCP from Mike Moore 6/10/24   |  |
| 81   | 1346.0404.1            | 404.1            | Enclosed parking garages  | Y                       | Minnesota amended to add trigger amounts.   | N                              | N           | Amended to add the .05 continuous as in model code language.  | Keep amendment   |                                |                       |   |  |
| 82   | 1346.0404.3            |                  | Minimum exhaust   | Y                       | Minnesota amendment   | N                              | N           | Amendment not needed  | Repeal   |                                |                       | Amendment not needed as the amounts are adressed in Table 403.3.1.1 |  |

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| 83   | 1346.0404.4            |                  | Prohibition of heated commercial parking garages     | Y                       | Minnesota amendment   | N                              | N           | Renumber   | Renumber   |                                |                       |  |  |
| 84   |                        | 407              | Ambulatory care facilities and Group I-2 occupancies | N                       | Changes in the 2021 and in the 2024 adding NFPA 99  | N                              | N           | A  | A  |                                |                       |  |  |
| 85   |                        | 501.2            | Independent system required                          | N                       | Changed verbiage in the 2021, copied in the 2024.   | N                              | N           | A  | A  |                                |                       | Lewis Johnson will revisit with CCP. Consensus was to not approve CCP    |  |
| 86   | 1346.0501.3            | 501.3            | Exhaust discharge                                    | Y                       | Minnesota amended language to add public nuisance, add a backdraft damper and remove 2 of the 3 exceptions.                               | N                              | N           | AM: Remove exception 1. Backdraft damper are required in ASHRAE 90.1 Table 6.4.3.4.3. Remove remaining Minnesota Amendment.  | Repeal and replace with CCP                              |                                |                       | John Smith wrote CCP. Consensus was to approve CCP 5-20-24               |  |
| 87   |                        | 501.3.1          | Location of exhaust outlets                          | N                       | Changes in the 2021 and the 2024  | N                              | N           | A  | A  |                                |                       |  |  |
| 88   | 1346.0501.4            | 501.4            | Pressure equalization                                | Y                       | Minnesota amended this section.   | N                              | N           | The following Minnesota amended sections, 501.4.1, 501.4.2, 501.4.2.1, 501.4.2.2, 501.4.2.3, 501.4.2.4, 501.4.2.5, 501.4.2.6, 501.4.3, Table 501.4.1, Table 501.4.2, Table 501.4.3(1), Table 501.4.3(2) and Table 501.4.3(3) will be revisited when the IRC mechanical provisions are discussed. | Move to IRC mechanical and amend as necessary            |                                |                       |  |  |
| 89   |                        | 501.6            | Common ducts   | N                       | Added section in the 2024   | N                              | N           | A  | A  |                                |                       |  |  |
| 90   |                        | 502.9.5          | Flammable and combustible liquids                    | N                       | 2021 added an exception addressing breweries  | N                              | N           | A  | A  |                                |                       |  |  |
| 91   |                        | 502.20.1         | Operation  | N                       | 2021 added a section and the 2024 kept the change requiring exhaust system to remain operational when occupied                            | N                              | N           | A  | A  |                                |                       |  |  |
| 92   |                        | 504.2            | Exhaust penetrations                                 | N                       | 2024 changed verbiage to include draftstops   | N                              | N           | A  | A  |                                |                       |  |  |
| 93   |                        | 504.4.1          | Termination location                                 | N                       | 2021 added another section, kept in the 2024  | N                              | N           | A  | A  |                                |                       |  |  |
| 94   |                        | 504.6            | Booster fans prohibited                              | N                       | 2021 added a section, remained in the 2024 to prohibit booster fans for dryers. The following sections are renumbered. See section 504.5. | N                              | N           | A  | A  |                                |                       |  |  |
| 95   |                        | 504.8            | Protection against physical damage                   | N                       | Change verbiage in the 2024 changing the 1 1/4" to 1 1/2"   | N                              | N           | A  | A  |                                |                       |  |  |
| 96   |                        | 504.8.1          | Shield plates  | N                       | 2024 added a subsection that was part of the original 504.8   | N                              | N           | A  | A  |                                |                       |  |  |
| 97   |                        | 504.10.          | Commercial clothes dryers                            | N                       | 2024 added UL 2158A listing.  | N                              | N           | A  | A  |                                |                       |  |  |
| 98   | 1346.0505.2            | 505.2            | Domestic cooking exhaust                             | Y                       | Minnesota added another exception for domestic kitchen exhaust hoods.   | N                              | N           | Remove amendment. Keep model code language.  | A  |                                |                       |  |  |
| 99   |                        | 505.3            | Exhaust ducts  | N                       | 2021 added language that was revised again in 2024  | N                              | N           | A  | A  |                                |                       | Table for further review. Staff concluded an amendment is not necessary. |  |
| 100  |                        | 505.7            | Group I-1 occupancies                                | N                       | 2024 added a section addressing I-1 occupancies. Building code section 904.15.1.1 references UL 300A.                                     | N                              | N           | Align the IMC with the Building Code regarding UL 300A requirements.   | A  |                                |                       |  |  |
| 101  |                        | 505.8            | Group I-2 occupancies                                | N                       | 2024 added a section addressing I-2 occupancies. Building code section 904.15.1.1 references UL 300A.                                     | N                              | N           | Align the IMC with the Building Code regarding UL 300A requirements.   | A  |                                |                       |  |  |

## New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IMC

| Chapter 1346 Mechanical and Fuel Gas Code, Mechanical Code Portion |                        |                  |  |                         |   |                                |             |   |   | To be completed by TAG members |                       |   |  |
|--|------------------------|------------------|--|-------------------------|---|--------------------------------|-------------|---|---|--------------------------------|-----------------------|---|--|
| Item No.   | Minnesota Code Section | "I" Code Section | Subject                                  | Current Minnesota Amend | Description of Change   | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments   | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend    | TAG Group Consensus            | Stakeholder Consensus | Comments  |  |
|  |                        |                  |  | Y or N                  |   | N=None, L=Low<br>M=Med, H=High | Y or N      |   | Y or N  |                                |                       |   |  |
| 102  |                        | 506.2            | Corrosion protection                     | N                       | 2024 added exhaust equipment to the section   | N                              | N           | A   | A   |                                |                       |   |  |
| 103  | 1346.0506.3            | 506.3            | Ducts serving Type I hoods               | Y                       | Minnesota removed model code language 506.3 adding reference to NFPA 96 and ASHRAE 154.             | N                              | N           | Keep amendment  | Keep amendment  |                                |                       |   |  |
| 104  | 1346.0506.4            | 506.4            | Ducts serving Type II hoods              | Y                       | Minnesota added a reference to ASHRAE 154 to this section.  | N                              | N           | Keep amendment  | Keep amendment  |                                |                       |   |  |
| 105  | 1346.0506.4.1          | 506.4.1          | Ducts                                    | Y                       | Minnesota added a reference to MR1346.0506.1.1, Testing.  | N                              | N           | Modify amendment as needed providing guidance.  |   |                                |                       | Have CCP to review 12/10/24   |  |
| 106  | 1346.0506.4.1.1        |                  | Testing                                  | Y                       |   | N                              | N           | Modify amendment as needed providing guidance.  | AM  |                                |                       | CCP approved 7/22/24  |  |
| 107  | 1346.0506.5            | 506.5            | Exhaust equipment                        | Y                       |   | N                              | N           | Modify amendment to include IMC 506.5.2.  | Accept amendment  |                                |                       | Staff will write CCP to include 506.5.2, pollution-control units, into code   |  |
| 108  | 1346.0507              | 507              | Commercial Kitchen Hoods                 | Y                       |   | N                              | N           | Keep amendment  | Repeal and amend  |                                |                       | 2 CCP, John Smith CCP was approved in consensus and Staff CCP was approved unanimously 7/22/24  |  |
| 109  | 1346.0508.1            | 508.1            | Makeup air                               | Y                       |   | N                              | N           | Keep amendment  | AM  |                                |                       | CCP approved 9/9/24   |  |
| 110  | 1346.0508.1.1          | 508.1.1          | Makeup air temperature                   | Y                       |   | N                              | N           | Visit amendment to follow the model code language regarding the 10 degrees. Would also address cooling of the air | AM  |                                |                       | CCP approved 9/9/24   |  |
| 111  | 1346.0508.1.2          |                  | Makeup and ventilation air distribution  | Y                       |   | N                              | N           | Keep amendment and following sections in 508  | Repeal  |                                |                       |   |  |
| 112  | 509                    |                  | Fire suppression systems                 | N                       | 2024 removed IMC 509. The section references the IBC and IFGC.                                      | N                              | N           | A   | A   |                                |                       |   |  |
| 113  |                        | 509              | Hazardous exhaust systems                | N                       | 2024 changed code section by removing 509   | N                              | N           | A   | A   |                                |                       |   |  |
| 114  | 1346.0510.1            | 509.1            | Exception                                | Y                       | Minnesota added an exception regarding NFPA 45  | N                              | N           | A   | Keep amendment, renumber to 509.1 as the model code changed |                                |                       |   |  |
| 115  | 510.4                  | 509.4            | Independent system                       | N                       | 2021 removed code section, 2024 followed  | N                              | N           | A   | A   |                                |                       |   |  |
| 116  | 510.6.5                | 509.5.5          | Makeup air                               | N                       | 2021 changed language allowing makeup air by gravity as well as mechanically and renumbered in 2024 | N                              | N           | A   | Accept CCP  |                                |                       | Staff will provide CCP  |  |
| 117  | 511                    | 510              | Dust, stock and refuse conveying systems | N                       | 2024 changed numbering sequence   | N                              | N           | A   | A   |                                |                       |   |  |
| 118  | 511.1                  | 510.1            | Dust, stock and refuse conveying systems | N                       | 2021 added International Fire Code to the section, 2024 kept the change                             | N                              | N           | A   | A   |                                |                       |   |  |
| 119  | 511.1.5                | 510.1.5          | Explosion control                        | N                       | 2021 changed the heading and verbiage inside the section, kept in the 2024                          | N                              | N           | A   | A   |                                |                       |   |  |
| 120  | 1346.0512.1            |                  | Radon                                    | Y                       | Minnesota added an amendment regarding radon.   | N                              | N           | Delete amendment. 1303 has the requirements   | Repeal A  |                                |                       | We need to keep as plastic pipe is allowed along with other requirements not specified in this section. Add to IRC mechanical provisions. |  |
| 121  | 514.2                  | 513.2            | Prohibited applications                  | N                       | 2021 removed Type 2 from item 4, copied in the 2024   | N                              | N           | A   | A   |                                |                       |   |  |
| 122  |                        | 601.2            | Air movement in egress elements          | N                       | 2021 changed exception 4 to reference ASHRAE 170, copied in the 2024                                | N                              | N           | A   | A   |                                |                       |   |  |
| 123  |                        | 601.5            | Return air openings                      | N                       | 2024 changed item 2 adding clarification  | N                              | N           | A   | A   |                                |                       |   |  |
| 124  |                        | 601.5            | Return air openings                      | N                       | 2024 changed item 7 removing closet and adding clarification  | N                              | N           | A   | A   |                                |                       |   |  |
| 125  |                        | 601.5            | Return air openings                      | N                       | 2024 changed adding new items 8 and 9 for closet returns moving the pool to item 10                 | N                              | N           | A   | A   |                                |                       |   |  |
| 126  |                        | 601.5            | Return air openings                      | N                       | 2024 changed verbiage for swimming pools  | N                              | N           | A   | A   |                                |                       |   |  |

## New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IMC

| Chapter 1346 Mechanical and Fuel Gas Code, Mechanical Code Portion |                        |                  |  |                         |  |                                |             |   |  | To be completed by TAG members |                       |          |  |
|--|------------------------|------------------|--|-------------------------|--|--------------------------------|-------------|---|--|--------------------------------|-----------------------|----------|--|
| Item No.   | Minnesota Code Section | "I" Code Section | Subject  | Current Minnesota Amend | Description of Change  | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments   | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus            | Stakeholder Consensus | Comments |  |
|  |                        |                  |  | Y or N                  |  | N=None, L=Low<br>M=Med, H=High |             |   | Y or N   | Y or N                         |                       |          |  |
| 127  |                        | 601.5            | Return air openings                                    | N                       | 2024 changed verbiage for exception 1 and 2 for clarification                  | N                              | N           | A   | A  |                                |                       |          |  |
| 128  |                        | 601.5            | Return air openings                                    | N                       | 2021 changed verbiage for exception 2, kept in the 2024                        | N                              | N           | A   | A  |                                |                       |          |  |
| 129  |                        | 602              | Plenums  | N                       | 2021 changed verbiage, copied in the 2024. The 2024 revised the entire section | N                              | N           | A   | A  |                                |                       |          |  |
| 130  | 1346.0602.2.1.9        |                  | Piping in plenums                                      | Y                       | Minnesota amendment  | N                              | N           | Remove amendment, keep model code language  | Repeal   |                                |                       |          |  |
| 131  |                        | 603.5.1          | Gypsum ducts   | N                       | 2021 added verbiage, copied in the 2024  | N                              | N           | A   | A  |                                |                       |          |  |
| 132  | 1346.0603.8.4          |                  | Drainage and insulation                                | Y                       | Minnesota added a amendment.   | N                              | N           | A   | AM   |                                |                       |          |  |
| 133  | 1346.0603.18.3         |                  | Adjustment of volume dampers                           | Y                       |  | N                              | N           | Remove this amendment. Not needed as a code requirement. Or provide a definition of what a friction-type register box is. | Repeal   |                                |                       |          |  |
| 134  | 1346.0604.1            | 604.1            | Insulation   | Y                       | Minnesota amendment to be brought forward                                      | N                              | N           | Revisit amendment to address duct insulation per the energy code.   | Repeal   |                                |                       |          |  |
| 135  | 1346.0604.3            | 604.3            | Coverings and linings                                  | Y                       | 2021 and 2024 have changed verbiage to move closer to our amendment            | N                              | N           | Minnesota amendment to be removed as it references residential provisions.  | Repeal   |                                |                       |          |  |
| 136  |                        | 607.2            | Installation   | N                       | 2021 changed verbiage, copied in the 2024                                      | N                              | N           | A   | Table  |                                |                       |          |  |
| 137  |                        | 607.2.3          | Static dampers   | N                       | 2021 added a code section, remains in the 2024                                 | N                              | N           | A   | Table  |                                |                       |          |  |
| 138  |                        | 607.2.4          | Mechanical, electrical and plumbing controls           | N                       | 2024 added a new code section  | N                              | N           | A   | Table  |                                |                       |          |  |
| 139  |                        | 607.2.4.1        | Controls not permitted to be installed through dampers | N                       | 2024 added a new code section  | N                              | N           | A   | Table  |                                |                       |          |  |
| 140  |                        | 607.3.1          | Damper testing   | N                       | 2021 changed verbiage, remains in the 2024                                     | N                              | N           | A   | Table  |                                |                       |          |  |
| 141  |                        | 607.3.3.1        | Fire damper activation                                 | N                       | 2021 changed verbiage and heading, remains in the 2024                         | N                              | N           | A   | Table  |                                |                       |          |  |
| 142  |                        | 607.4            | Access and identification                              | N                       | 2021 changed section and added subparts to the section, remains in the 2024    | N                              | N           | A   | Table  |                                |                       |          |  |
| 143  |                        | 607.5.2          | Fire barriers  | N                       | 2021 changed verbiage (flexible ducts), remains in the 2024                    | N                              | N           | A, verify language in the IBC Tag group recommendations.  | Table  |                                |                       |          |  |
| 144  |                        | 607.5.5          | Shaft enclosures                                       | N                       | 2021 changed verbiage in exception 1.1 and 2, remains in the 2024              | N                              | N           | A, verify language in the IBC Tag group recommendations.  | Table  |                                |                       |          |  |
| 145  |                        | 607.5.5.1        | Continuous upward flow                                 | N                       | Added a subsection to 607.5.5 in the 2021 and remains in the 2024              | N                              | N           | A, verify language in the IBC Tag group recommendations.  | Table  |                                |                       |          |  |
| 146  |                        | 607.5.5.2        | Enclosure at the bottom                                | N                       | 2021 relocated the from 607.5.5.1 and remains in the 2024                      | N                              | N           | A, verify language in the IBC Tag group recommendations.  | Table  |                                |                       |          |  |
| 147  | 1346.0607.6.1          | 607.6.1          | Through penetrations                                   | Y                       | 2024 changed verbiage  | N                              | N           | A, verify language in the IBC Tag group recommendations.  | Table  |                                |                       |          |  |
| 148  |                        | 607.6.2.1.1      | Dynamic systems  | N                       | 2021 added subpart, remains in the 2024.                                       | N                              | N           | A, verify language in the IBC Tag group recommendations.  | Table  |                                |                       |          |  |



## New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IMC

| Chapter 1346 Mechanical and Fuel Gas Code, Mechanical Code Portion |                        |                  |  |                         |  |                                |             |  |  | To be completed by TAG members |                       |  |  |
|--|------------------------|------------------|--|-------------------------|--|--------------------------------|-------------|--|--|--------------------------------|-----------------------|--|--|
| Item No.   | Minnesota Code Section | "I" Code Section | Subject  | Current Minnesota Amend | Description of Change  | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments                                  | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus            | Stakeholder Consensus | Comments   |  |
|  |                        |                  |  | Y or N                  |  | N=None, L=Low<br>M=Med, H=High |             |  | Y or N   | Y or N                         |                       |  |  |
| 149  |                        | 607.6.2.1.2      | Static systems   | N                       | 2021 added subpart, remains in the 2024.   | N                              | N           | A, verify language in the IBC Tag group recommendations.   | Table  |                                |                       |  |  |
| 150  |                        | 607.6.3          | Nonfire-resistance-rated floor assemblies                | N                       | IBC has an amendment   | N                              | N           | A, verify language in the IBC Tag group recommendations.   | Table  |                                |                       |  |  |
| 151  |                        | 608              | Balancing  | N                       | 2021 added a stand alone balancing section, remains in the 2024                                    | N                              | N           | Consider an amendment  | AM   |                                |                       | CCP 7/22/24  |  |
| 152  | MR1346.0801.10         | 801.10.          | Connection to fireplace                                  | Y                       | Minnesota amended.   | N                              | N           | Recommend following model code language. Not Minnesota specific  | Repeal   |                                |                       |  |  |
| 153  |                        | 801.21           | Blocked vent switch                                      | N                       | 2021 added a section, remains in the 2024  | N                              | N           | A  | A  |                                |                       |  |  |
| 154  | MR1346.0901.5          |                  | Unvented heaters and appliances                          | Y                       | Keep Minnesota amendment   | N                              | N           | A  | A  |                                |                       |  |  |
| 155  |                        | 905.1            | Fireplace, stoves and heaters                            | N                       | 2021 added verbiage, remains in the 2024   | N                              | N           | A  | Table  |                                |                       | Brian will review  |  |
| 156  |                        | 907.1            | Incinerators and crematories                             | N                       | 2024 changed verbiage  | N                              | N           | A  | A  |                                |                       |  |  |
| 157  |                        | 908.1            | Cooling towers, evaporative condensers and fluid coolers | N                       | 2021 changed verbiage, remains in the 2024   | N                              | N           | A  | A  |                                |                       |  |  |
| 158  |                        | 912.1            | Infrared radiant heaters                                 | N                       | 2024 changed verbiage  | N                              | N           | A  | A  |                                |                       |  |  |
| 159  |                        | 912.2            | support  | N                       | 2024 changed verbiage from infrared radiant heaters to electric heaters since this is not fuel gas | N                              | N           | A  | A  |                                |                       |  |  |
| 160  |                        | 916.1            | Pool and spa heaters                                     | N                       | 2021 changed verbiage, remains in the 2024   | N                              | N           | A  | A  |                                |                       |  |  |
| 161  |                        | 918.1            | Forced-air warm-air furnaces                             | N                       | 2021 changed verbiage, remains in the 2024   | N                              | N           | A  | A  |                                |                       |  |  |
| 162  |                        | 918.2            | Heat pumps   | N                       | 2021 changed verbiage, remains in the 2024   | N                              | N           | A  | A  |                                |                       |  |  |
| 163  |                        | 920.4            | Unit heaters   | N                       | New section in the 2021, remains in the 2024   | N                              | N           | Need to verify how this applies to electric suspended-type unit heaters.                                 | A  |                                |                       |  |  |
| 164  |                        | 929.1            | Unvented alcohol fuel-burning decorative appliance       | N                       | New section in the 2021, remains in the 2024   | N                              | N           | A  | ?  |                                |                       | Tim will review  |  |
| 165  |                        | 930              | Large diameter ceiling fans                              | N                       | 2021 renumbered from 929, remains in the 2024  | N                              | N           | A  | Table  |                                |                       | Brian will write CCP adding NFPA 13, add NFPA 13 to reference standard |  |
| 166  |                        | 931              | Steam bath equipment                                     | N                       | New section in the 2024  | N                              | N           | A  | A  |                                |                       |  |  |
| 167  | MR1346.1001.1          | 1001.1           | Boilers  | Y                       | Minnesota amends this section, also revised in the 2024.   | N                              | N           | A  | Table  |                                |                       | Staff will write CCP   |  |
| 168  | MR1346.1001.2          |                  | Boilers  | Y                       | Minnesota amendment,   | N                              | N           | Visit amendment to follow direction from Boiler and HPP divisions  | Table  |                                |                       | Staff will write CCP   |  |
| 169  | MR1346.1001.3          |                  | Pressure vessels   | Y                       | Minnesota amendment  | N                              | N           | Need revisions to follow the State Boiler and HPP individuals, also revisit scoping references, need CCP | Table  |                                |                       | Staff will write CCP   |  |
| 170  |                        | 1002.4           | Water heater pan required                                | N                       | 2024 added a section   | N                              | N           | Add amendment to address pan drainage as required in the Minnesota State Plumbing Code                   | Table  |                                |                       | Kevin will write CCP   |  |
| 171  | MR1346.1004.1          | 1004.1           | Standards  | Y                       | Minnesota amends this section, also revised in the 2021,   | N                              | N           | A  | Repeal   |                                |                       |  |  |

## New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IMC

| Chapter 1346 Mechanical and Fuel Gas Code, Mechanical Code Portion |                        |                  |   |                         |  |                                |             |   |  | To be completed by TAG members |                       |  |  |
|--|------------------------|------------------|---|-------------------------|--|--------------------------------|-------------|---|--|--------------------------------|-----------------------|--|--|
| Item No.   | Minnesota Code Section | "I" Code Section | Subject   | Current Minnesota Amend | Description of Change  | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus            | Stakeholder Consensus | Comments   |  |
|  |                        |                  |   | Y or N                  |  | N=None, L=Low<br>M=Med, H=High |             |   | Y or N   | Y or N                         |                       |  |  |
| 171(a)   | MR1346.1004.2          | 1004.2           | Installation  | Y                       | Minnesota amends to include Chapter 16, which was repealed by TAG          | N                              | N           | Repeal amendment  |  |                                |                       | table Tim  |  |
| 172  | MR1346.1006.4          | 1006.4           | Approval of safety and safety relief valves         | Y                       | Minnesota amendment  | N                              | N           | Revert to model code language   | Repeal   |                                |                       |  |  |
| 173  | MR1346.1006.6          | 1006.6           | Safety and relief discharge                         | Y                       | Minnesota amendment. Also 2024 changed verbiage                            | N                              | N           | Revert to model code language   | Repeal   |                                |                       |  |  |
| 174  | MR1346.1006.9          | 1006.9           | Boiler shutdown switch                              | Y                       | Minnesota amendment  | N                              | N           | Visit amendment to follow direction from Boiler and HPP divisions       | Keep amendment   |                                |                       |  |  |
| 175  | MR1346.1007.1          | 1007.1           | Boiler low water cutoff                             | Y                       | Minnesota amendment  | N                              | N           | Revert to model code language   | Repeal   |                                |                       |  |  |
| 176  | MR1346.1011.1          | 1011.1           | Tests   | Y                       | Minnesota amendment  | N                              | N           | Revert to model code language   | Repeal   |                                |                       |  |  |
| 177  | MR1346.1101.1          | 1101.1           | Refrigeration                                       | Y                       | Minnesota amends, 2021 changed verbiage, as well as 2024 changed verbiage. | N                              | N           | Review, suggest adopting model code language                            | Table  |                                |                       | Staff will write CCP remove amendment and add statute 326b.106 |  |
| 178  |                        | 1101.1.1         | Refrigerants other than ammonia                     | N                       | 2021 added section, 2024 revised verbiage from the 2021                    | N                              | N           | A   | Table  |                                |                       | CCP by Brian. Adding ASHRAE 15.2                               |  |
| 179  |                        | 1101.1.2         | Ammonia refrigerant                                 | N                       | 2021 added section, 2024 revised verbiage from the 2021                    | N                              | N           | Add amendment to follow direction from HPP division                     | Table  |                                |                       | John will write CCP  |  |
| 180  |                        | 1101.2           | Factory-built equipment and appliances              | N                       | 2021 added verbiage, remains in the 2024                                   | N                              | N           | A   | A  |                                |                       |  |  |
| 181  |                        | Table 1101.2     | Factory-built equipment and appliances              | N                       | Table changed in the 2021, remains in the 2024                             | N                              | N           | A   | A  |                                |                       |  |  |
| 182  |                        | 1101.2.1         | Group A2L, A2, A3 and B1 high-probability equipment | N                       | 2024 added a section   | N                              | N           | A   | A  |                                |                       |  |  |
| 183  |                        | 1101.6           | Refrigeration general                               | N                       | 2021 removed this section, still removed in 2024                           | N                              | N           | A   | A  |                                |                       |  |  |
| 184  |                        | 1101.6           | Maintenance   | N                       | 2021 renumbered from 1101.7. 2024 changed verbiage                         | N                              | N           | A   | A  |                                |                       |  |  |
| 185  |                        | 1101.7           | Change in refrigerant type                          | N                       | 2024 changed heading and verbiage  | N                              | N           | A   | A  |                                |                       |  |  |
| 186  |                        | 1102.1           | System requirements                                 | N                       | 2024 changed verbiage  | N                              | N           | A   | A  |                                |                       |  |  |
| 187  |                        | 1102.2.1         | Mixing  | N                       | 2024 changed verbiage  | N                              | N           | A   | A  |                                |                       |  |  |
| 188  |                        | Table 1103.1     | Refrigerant classification, amount and OEL          | N                       | 2021 changed parts of the table and footnotes as well as 2024              | N                              | N           | A   | A  |                                |                       |  |  |
| 189  |                        | Section 1104     | Refrigeration System Application Requirements       | N                       | 2024 changed the title   | N                              | N           | A   | A  |                                |                       |  |  |
| 190  |                        | 1104.2           | Machinery room                                      | N                       | 2024 changed verbiage  | N                              | N           | A   | A  |                                |                       |  |  |
| 191  |                        | 1104.2.2         | Industrial occupancies and refrigerated rooms       | N                       | 2021 changed verbiage and 2024 also changed verbiage                       | N                              | N           | A   | A  |                                |                       |  |  |
| 192  |                        | 1104.3.1         | Air conditioning for human comfort                  | N                       | 2024 changed verbiage and layout   | N                              | N           | A   | A  |                                |                       |  |  |
| 193  |                        | 1104.3.2         | Group A2, A3, B2 and B3 refrigerants                | N                       | 2024 changed heading and verbiage  | N                              | N           | A   | A  |                                |                       |  |  |
| 194  |                        | 1104.3.3         | All occupancies                                     | N                       | 2021 changed verbiage, remains in the 2024                                 | N                              | N           | A   | A  |                                |                       |  |  |
| 195  |                        | 1104.3.4         | Protection from refrigerant decomposition           | N                       | 2021 changed verbiage in exception 1, remains in the 2024                  | N                              | N           | A   | A  |                                |                       |  |  |
| 196  |                        | 1105.6.3         | Ventilation rate                                    | N                       | 2021 changed verbiage, remains in the 2024                                 | N                              | N           | A   | A  |                                |                       |  |  |
| 197  |                        | 1105.8           | Ammonia discharge                                   | N                       | 2021 removed the section, copied in the 2024                               | N                              | N           | A   | A  |                                |                       |  |  |
| 198  |                        | 1105.9           | Emergency pressure control system                   | N                       | 2021 renumbered to 1109.8 and changed verbiage, remains in the 2024        | N                              | N           | A   | A  |                                |                       |  |  |
| 199  |                        | 1105.9           | Means of egress                                     | N                       | 2021 added a section, copied in the 2024                                   | N                              | N           | A   | A  |                                |                       | OK to keep as no issues with IBC                               |  |

## New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IMC

| Chapter 1346 Mechanical and Fuel Gas Code, Mechanical Code Portion |                        |                  |                                       |                         |  |                                |             |   |  | To be completed by TAG members |                       |          |  |
|--|------------------------|------------------|---------------------------------------|-------------------------|--|--------------------------------|-------------|---|--|--------------------------------|-----------------------|----------|--|
| Item No.   | Minnesota Code Section | "I" Code Section | Subject                               | Current Minnesota Amend | Description of Change  | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus            | Stakeholder Consensus | Comments |  |
|  |                        |                  |                                       | Y or N                  |  | N=None, L=Low<br>M=Med, H=High | Y or N      |   |  | Y or N                         |                       |          |  |
| 200  |                        | 1106.3           | Ammonia room ventilation              | N                       | 2021 removed section, still removed in the 2024. renumbered following sections                                       | N                              | N           | A   | A  |                                |                       |          |  |
| 201  |                        | 1106.4           | Flammable refrigerants                | N                       | 2021 changed verbiage, renumbered section to 1106.3. 2024 renamed section to Class 2 and 3 refrigerants and verbiage | N                              | N           | A   | A  |                                |                       |          |  |
| 202  |                        | 1106.4           | Group A2L and B2L refrigerants        | N                       | 2021 changed verbiage. 2024 removed changes to the 2021 and added a new section                                      | N                              | N           | A   | A  |                                |                       |          |  |
| 203  |                        | 1106.4.1         | Elevated temperatures                 | N                       | 2021 changed verbiage. 2024 removed changes to the 2021 and added a new section                                      | N                              | N           | A   | A  |                                |                       |          |  |
| 204  |                        | 1106.4.2         | Refrigerant detector                  | N                       | 2024 added a section   | N                              | N           | A   | A  |                                |                       |          |  |
| 205  |                        | Table 1106.5.2   | Minimum exhaust rates                 | N                       | 2021 revised table, 2024 removed table and replaced with Table 1106.4.2 Group A2L and                                | N                              | N           | A   | A  |                                |                       |          |  |
| 206  |                        | 1106.4.3         | Mechanical ventilation                | N                       | 2024 added a section and removed 1106.5.3  | N                              | N           | A   | A  |                                |                       |          |  |
| 207  |                        | 1107             | Piping materials                      | N                       | 2021 changed the entire section, 2024 made revisions to the entire section.  | N                              | N           | A   | A  |                                |                       |          |  |
| 208  |                        | 1108             | Joints and connections                | N                       | 2021 changed the entire section, 2024 made revisions to the entire section.  | N                              | N           | A   | A  |                                |                       |          |  |
| 209  |                        | 1109             | Refrigerant pipe installation         | N                       | 2021 changed the entire section, 2024 made revisions to the entire section.  | N                              | N           | A   | A  |                                |                       |          |  |
| 210  |                        | 1110             | Refrigerant piping system test        | N                       | 2021 changed the entire section, 2024 made revisions to the entire section.  | N                              | N           | A   | A  |                                |                       |          |  |
| 211  | 1109                   | 1111             | Periodic testing                      | N                       | 2021 renumbered section to 1111, remains in the 2024   | N                              | N           | A   | A  |                                |                       |          |  |
| 212  |                        | 1201.1           | Hydronic piping                       | N                       | 2024 changed verbiage  | N                              | N           | A   | A  |                                |                       |          |  |
| 213  |                        | Table 1202.4     | Hydronic pipe                         | N                       | 2021 changed table as did 2024   | N                              | N           | A   | A  |                                |                       |          |  |
| 214  |                        | Table 1202.5     | Hydronic pipe fittings                | N                       | 2021 changed table as did 2024   | N                              | N           | A   | A  |                                |                       |          |  |
| 215  |                        | 1203.3.4         | Solvent-cemented joints               | N                       | 2021 changed verbiage as did 2024  | N                              | N           | A   | A  |                                |                       |          |  |
| 216  |                        | 1203.7           | CPVC plastic pipe                     | N                       | 2021 changed verbiage remains in the 2024  | N                              | N           | A   | A  |                                |                       |          |  |
| 217  |                        | 1203.8           | CPVC/AL/CPVC plastic pipe             | N                       | 2021 added section, renumbered rest of section remains in the 2024   | N                              | N           | A   | A  |                                |                       |          |  |
| 218  |                        | 1203.8           | Polybutylene plastic pipe and tubing  | N                       | 2024 removed section, renumbered rest of section   | N                              | N           | A   | A  |                                |                       |          |  |
| 219  |                        | 1203.9.3         | Push-fit fittings                     | N                       | 2021 renamed section and changed verbiage, remains in 2024   | N                              | N           | A   | A  |                                |                       |          |  |
| 220  |                        | 1203.13          | Stainless steel pipe                  | N                       | 2024 added section, renumbered rest of section   | N                              | N           | A   | A  |                                |                       |          |  |
| 221  |                        | 1203.14          | Stainless steel tubing                | N                       | 2024 added section, renumbered rest of section   | N                              | N           | A   | A  |                                |                       |          |  |
| 222  |                        | 1203.16.3        | Push-fit fittings                     | N                       | 2021 changed verbiage, copied in the 2024  | N                              | N           | A   | A  |                                |                       |          |  |
| 223  |                        | 1205.1           | Where required                        | N                       | 2024 changed verbiage  | N                              | N           | A   | A  |                                |                       |          |  |
| 224  | MR1346.1205.1.6        | 1205.1.6         | Expansion tanks                       | Y                       | Minnesota Amendment  | N                              | N           | Revert to model code language   | Repeal   |                                |                       |          |  |
| 225  | MR1346.1206.1.1        |                  | Prohibited tee applications           | Y                       | Minnesota Amendment  | N                              | N           | Revert to model code language   | Repeal   |                                |                       |          |  |
| 226  | MR1346.1206.1.2        |                  | Draining and venting                  | Y                       | Minnesota Amendment almost copies 1206.2   | N                              | N           | Revert to model code language   | Repeal   |                                |                       |          |  |
| 227  |                        | 1209.1           | Materials                             | N                       | 2024 changed verbiage  | N                              | N           | A   | A  |                                |                       |          |  |
| 228  |                        | 1209.3.3         | Polybutylene joints                   | N                       | 2024 removed section and renumbered rest of section 1209.3   | N                              | N           | A   | A  |                                |                       |          |  |
| 229  |                        | 1209.5           | Insulation and thermal break required | N                       | 2021 changed heading and verbiage, remains in the 2024   | N                              | N           | A   | A  |                                |                       |          |  |
| 230  |                        | 1209.5.2         | Insulation material marking           | N                       | 2021 changed heading and verbiage, remains in the 2024   | N                              | N           | A   | A  |                                |                       |          |  |
| 231  |                        | 1209.6           | Radiant tubing placement              | N                       | 2024 added a new section   | N                              | N           | A   | A  |                                |                       |          |  |

## New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IMC

| Chapter 1346 Mechanical and Fuel Gas Code, Mechanical Code Portion |                        |                  |   |                         |   |                                |             |   |  | To be completed by TAG members |                       |   |  |
|--|------------------------|------------------|---|-------------------------|---|--------------------------------|-------------|---|--|--------------------------------|-----------------------|---|--|
| Item No.   | Minnesota Code Section | "I" Code Section | Subject   | Current Minnesota Amend | Description of Change                                       | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus            | Stakeholder Consensus | Comments  |  |
|  |                        |                  |   | Y or N                  |   | N=None, L=Low<br>M=Med, H=High | Y or N      |   |  | Y or N                         |                       |   |  |
| 232  |                        | 1209.6.1         | Radiant tubing circuit length                         | N                       | 2024 added a new section                                    | N                              | N           | A   | A  |                                |                       |   |  |
| 233  |                        | Table 1209.6.1   | Maximum circuit length of radiant tubing...           | N                       | 2024 added a new table                                      | N                              | N           | A   | A  |                                |                       |   |  |
| 234  |                        | 1209.6.2         | Radiant tubing circuit tags                           | N                       | 2024 added a new section                                    | N                              | N           | A   | A  |                                |                       |   |  |
| 235  |                        | 1209.6.3         | Radiant tubing drawings                               | N                       | 2024 added a new section                                    | N                              | N           | A, consider an amendment to align with balancing requirements in 608    | A  |                                |                       |   |  |
| 236  |                        | 1209.7           | Snow-and ice-melt tubing placement                    | N                       | 2024 added a new section                                    | N                              | N           | A   | A  |                                |                       |   |  |
| 237  |                        | 1209.7.1         | Snow-and ice-melt tubing circuit length               | N                       | 2024 added a new section                                    | N                              | N           | A   | A  |                                |                       |   |  |
| 238  |                        | Table 1209.7.1   | Maximum circuit length of snow and ice-ment tubing... | N                       | 2024 added a new table                                      | N                              | N           | A   | A  |                                |                       |   |  |
| 239  |                        | 1209.7.2         | Snow-and ice-melt tubing drawings                     | N                       | 2024 added a new section                                    | N                              | N           | A, consider an amendment to align with balancing requirements in 608    | A  |                                |                       |   |  |
| 239a   |                        | 1210             | Plastic pipe ground-source heat pump loop systems     | N                       | no change   | N                              | N           | Need CCP to address scoping   |  |                                |                       |   |  |
| 240  |                        | Table 1210.4     | Ground-source loop pipe                               | N                       | 2021 revised table adding standards as did 2024             | N                              | N           | A   | A  |                                |                       | Need to check with published MDH rules to verify continuity |  |
| 241  |                        | Table 1210.5     | Ground-source loop pipe fittings                      | N                       | 2021 revised table adding standards as did 2024             | N                              | N           | A   | A  |                                |                       | Need to check with published MDH rules to verify continuity |  |
| 242  |                        | 1210.6           | Joints  | N                       | 2024 changed verbiage                                       | N                              | N           | A   | A  |                                |                       | Need to check with published MDH rules to verify continuity |  |
| 243  |                        | 1210.6.2         | Preparation of pipe ends                              | N                       | 2021 changed verbiage, remains in the 2024                  | N                              | N           | A   | A  |                                |                       | Need to check with published MDH rules to verify continuity |  |
| 244  |                        | 1210.8           | Installation  | N                       | 2021 added standard, remains in the 2024                    | N                              | N           | A   | A  |                                |                       | Need to check with published MDH rules to verify continuity |  |
| 245  |                        | 1211             | Hydronic balancing                                    | N                       | New section regarding hydronic balancing                    | N                              | N           | A   | A  |                                |                       | CCP from John Smith approved 7/22/24                        |  |
| 245  |                        | 1301.4           | Fuel tanks, piping, fitting and valves                | N                       | 2021 changed heading and verbiage, remains in the 2024      | N                              | N           | A   | A  |                                |                       |   |  |
| 246  |                        | Table 1302.3     | Fuel oil piping and fittings                          | N                       | 2021 changed heading and verbiage, remains in the 2024      | N                              | N           | A   | A  |                                |                       |   |  |
| 247  |                        | 1302.8           | Flexible connectors and hoses                         | N                       | 2021 removed standard, remains in the 2024                  | N                              | N           | A   | A  |                                |                       |   |  |
| 248  |                        | 1302.9           | Piping systems  | N                       | 2021 added a section, remains in the 2024                   | N                              | N           | A   | A  |                                |                       |   |  |
| 249  |                        | 1303.3           | Joint preparation and installation                    | N                       | 2021 added press-joint connect, remains in the 2024         | N                              | N           | A   | A  |                                |                       |   |  |
| 250  |                        | 1303.3.2         | Mechanical joints                                     | N                       | 2021 changed verbiage, remains in the 2024                  | N                              | N           | A   | A  |                                |                       |   |  |
| 251  |                        | 1303.3.5         | Press-connect joints                                  | N                       | 2021 added press-joint connect, remains in the 2024         | N                              | N           | A   | A  |                                |                       |   |  |
| 252  |                        | 1303.4           | Copper or copper-alloy tubing                         | N                       | 2021 changed verbiage, remains in the 2024                  | N                              | N           | A   | A  |                                |                       |   |  |
| 253  |                        | 1303.7           | Steel and stainless steel pipe                        | N                       | 2021 added stainless steel and verbiage remains in the 2024 | N                              | N           | A   | A  |                                |                       |   |  |
| 254  |                        | 1303.8           | Steel and stainless steel tubing                      | N                       | 2021 added stainless steel and verbiage remains in the 2024 | N                              | N           | A   | A  |                                |                       |   |  |
| 255  |                        | 1402.8.1.2       | Roof-mounted solar thermal collectors and systems     | N                       | 2021 changed verbiage, remains in the 2024                  | N                              | N           | A   | A  |                                |                       |   |  |
| 256  |                        | 1404             | Labeling  | N                       | 2021 changed verbiage, remains in the 2024                  | N                              | N           | A   | A  |                                |                       |   |  |

## New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IMC

| Chapter 1346 Mechanical and Fuel Gas Code, Mechanical Code Portion |                        |                  |  |                         |  |                                |             |   |  | To be completed by TAG members |                       |                   |  |
|--|------------------------|------------------|--|-------------------------|--|--------------------------------|-------------|---|--|--------------------------------|-----------------------|-------------------|--|
| Item No.   | Minnesota Code Section | "I" Code Section | Subject  | Current Minnesota Amend | Description of Change  | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments   | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus            | Stakeholder Consensus | Comments          |  |
|  |                        |                  |  | Y or N                  |  | N=None, L=Low<br>M=Med, H=High | Y or N      |   |  | Y or N                         |                       |                   |  |
| 257  |                        | Chapter 15       | Referenced Standards   | Y                       | 2021 and 2024 changed the section. Minnesota amends as well. | N                              | N           | Need to change the amendment to reference the latest standards. NFPA 96 ASHRAE 154 and others   | A  |                                |                       |                   |  |
| 258  | 1346.1600.             |                  | Installation and testing of oil or liquid fuel-fired equipment | Y                       |  | N                              | N           | Delete amended chapter. The model code language refers us to standards that lay out requirements. Amendment is not unique to Minnesota's climate, to encourage more uniform enforcement, or to remedy an existing problem | Repeal minnesota amendment                               |                                |                       | Delete chapter 16 |  |
| 259  | Index                  |                  |  |                         |  |                                |             | Need to verify the index is up to date with the changes   |  |                                |                       |                   |  |
| 260  | 1346.0313              |                  | Carbon monoxide alarms   | Y                       | Amendment need revisiting                                    | N                              | N           | Need to make changes to meet 1305   | TABLE  |                                |                       |                   |  |

# New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IFGC

| To be completed by Chair |                        |                  |  |                         |   | To be completed by TAG members |             |  |  |                     |                       |   |
|--------------------------|------------------------|------------------|--|-------------------------|---|--------------------------------|-------------|--|--|---------------------|-----------------------|---|
| Item No.                 | Minnesota Code Section | "I" Code Section | Subject  | Current Minnesota Amend | Description of Change   | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments  | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Stakeholder Consensus | Comments  |
|                          |                        |                  |  | Y or N                  |   | N=None, L=Low<br>M=Med, H=High | Y or N      |  |  | Y or N              |                       |   |
| 1                        | 1346.5101              |                  | Systems, appliances, and equipment outside the scope | Y                       |   | N                              | N           | Items 1 and 13 address LP gas but nothing on natural gas. Suggest amending to remove items 1 and 13 to help insure life safety and prevent property loss and to align with fire code. Need to add a reference to NFPA 501A (manufactured structures) |  |                     |                       | Table NFPA 501A for consideration when we get to item 149. No action will be needed if we remove 1346.6000 as an amendment. |
| 2                        | 1346.0201.4            | 201.4            | Terms not defined                                    | Y                       | Chapter 1300 is looking to change the definition                    | N                              | N           | Need to table and revisit when the MN rules 1300 makes a decision  |  |                     |                       | Table   |
| 3                        |                        | 202              | Approved agency                                      | N                       | 2024 changed verbiage   | N                              | N           | Follow IMC language  | A  |                     |                       |   |
| 4                        |                        | 202              | Listed   | N                       | 2024 changed verbiage   | N                              | N           | Follow IMC language  | A  |                     |                       |   |
| 5                        |                        | 202              | Peer review  | N                       | 2024 added a definition   | N                              | N           | Follow IMC language  | A  |                     |                       |   |
| 6                        |                        | 202              | Point of delivery                                    | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | Accept: Very minor changes   | A  |                     |                       |   |
| 7                        |                        | 202              | Press-connect joint                                  | N                       | 2021 added a definition, remains in the 2024                        | N                              | N           | Follow IMC language  | A  |                     |                       |   |
| 8                        |                        | 202              | Regulator, monitoring                                | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | Accept: Very minor changes   | A  |                     |                       |   |
| 9                        |                        | 202              | Service meter assembly                               | N                       | 2021 added a definition, remains in the 2024                        | N                              | N           | Accept: Provides clarity   | A  |                     |                       |   |
| 10                       |                        | 202              | System shutoff                                       | N                       | 2021 added a definition, remains in the 2024                        | N                              | N           | Accept: Provides clarity   | A  |                     |                       |   |
| 11                       |                        | 202              | Thermostat   | N                       | 2021 changed by adding integral gas valve type, remains in the 2024 | N                              | N           | A  | A  |                     |                       |   |
| 12                       |                        | 202              | Valve  | N                       | 2021 changed definition of service shutoff, remains in the 2024     | N                              | N           | Accept: Very minor changes   | A  |                     |                       |   |
| 13                       |                        | 302.3            | Cutting, notching and boring in wood members         | N                       | 2024 changed verbiage   | N                              | N           | Follow IMC language  | A  |                     |                       |   |
| 14                       |                        | 302.3.2          | Joist notching and boring                            | N                       | 2024 removed section  | N                              | N           | A  | A  |                     |                       |   |
| 15                       |                        | 302.3.3          | Stud cutting and notching                            | N                       | 2024 removed section  | N                              | N           | A  | A  |                     |                       |   |

# New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IFGC

| To be completed by Chair |                        |                  |   |                         |  |                                |             | To be completed by TAG members  |  |                     |                       |  |  |
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| Item No.                 | Minnesota Code Section | "I" Code Section | Subject   | Current Minnesota Amend | Description of Change                                | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments   | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Stakeholder Consensus | Comments   |  |
|                          |                        |                  |   | Y or N                  |  | N=None, L=Low<br>M=Med, H=High | Y or N      |   |  | Y or N              |                       |  |  |
| 16                       |                        | 302.3.4          | Bored holes   | N                       | 2024 removed section                                 | N                              | N           | A   | A  |                     |                       |  |  |
| 17                       |                        | 302.6            | Cutting and notching in cold-formed steel framing                             | N                       | 2024 changed verbiage adding AISI S240 and AISI S220 | N                              | N           | A   | A  |                     |                       |  |  |
| 18                       |                        | 302.7            | Cutting, notching and boring in non-structural cold-formed steel wall framing | N                       | 2024 removed section                                 | N                              | N           | A   | A  |                     |                       |  |  |
| 19                       | 1346.5303.3.1          | 303.3.1          | Fireplaces and decorative appliances in group I-2 occupancies                 | N                       | 2021 changed verbiage, remains in the 2024           | N                              | N           | Visit the 2020 SONAR. Will changes in the 2021 IFGC be sufficient?  | Repeal   |                     |                       | Repeal and revert to model code language   |  |
| 20                       | 1346.5304.1            | 304.1            | Combustion, ventilation and dilution air, general                             | Y                       | 2024 changed verbiage, Minnesota has an amendment.   | N                              | N           | Need to revisit and make changes as required to follow IRC mechanical language  |  |                     |                       | Have same language in G2407.5, G2707.5.1, G2407.5.2, G2407.5.3, G2407.5.3.1, G2407.5.3.2 |  |
| 21                       | 1346.5304.6.1          | 304.6.1          | Two-permanent-openings method   | Y                       | Minnesota amendment                                  | N                              | N           | Review to see if anyone would use the method and if they choose, what is the issue? Thinking of a boiler room for example |  |                     |                       | Tim and John CCP   |  |
| 22                       | 1346.5304.6.2          | 304.6.2          | One-permanent-opening method  | Y                       | Minnesota amendment                                  | N                              | N           | A: History might not be a reason to keep amendment.   |  |                     |                       | Tim and John CCP   |  |
| 23                       |                        | 304.8            | Engineering installations   | N                       | 2021 changed verbiage, remains in the 2024           | N                              | N           | A   | A  |                     |                       |  |  |
| 24                       | 1346.5304.11           | 304.11           | Combustion air ducts  | Y                       | Minnesota amendment                                  | N                              | N           | Revisit to make necessary changes   |  |                     |                       | Tim and John CCP   |  |
| 25                       |                        | 304.12           | Protection from fumes and gases   | N                       | 2024 changed verbiage                                | N                              | N           | A   | A  |                     |                       |  |  |
| 26                       |                        | 306.1            | Access for maintenance and replacement  | N                       | 2024 changed verbiage                                | N                              | N           | A   | A  |                     |                       |  |  |
| 27                       | 1346.5306.5            | 306.5            | Mechanical equipment and appliances on roofs and elevated structures          | Y                       | Minnesota amendment                                  | N                              | N           | Follow IMC language   |  |                     |                       | Verify IMC language Staff will write CCP   |  |

# New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IFGC

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|--------------------------|------------------------|------------------|---|-------------------------|---|--------------------------------|-------------|---|--|--------------------------------|-----------------------|-----------------------------|--|
| Item No.                 | Minnesota Code Section | "I" Code Section | Subject                                 | Current Minnesota Amend | Description of Change   | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments   | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus            | Stakeholder Consensus | Comments                    |  |
|                          |                        |                  |   | Y or N                  |   | N=None, L=Low<br>M=Med, H=High | Y or N      |   |  | Y or N                         |                       |                             |  |
| 28                       | 1346.5306.6            | 306.6            | Guards                                  | Y                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | Request removing the exception that allows fall arrest/restraint anchorage connection devices because of snow on roofs and the inability to find these devices. |  |                                |                       | Brian CCP                   |  |
| 29                       |                        | 307.2            | Fuel-burning appliances                 | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                                |                       |                             |  |
| 30                       |                        | 307.3            | Drain pipe material and sizes           | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                                |                       |                             |  |
| 31                       | 1346.5307.6            | 307.6            | Condensate pumps                        | Y                       | Minnesoata deleted section  | N                              | N           | Follow IMC language   | A  |                                |                       | Keep amendment              |  |
| 32                       |                        | 310.1            | Pipe and tubing other than CSST         | N                       | 2024 changed verbiage   | N                              | N           | A   | A  |                                |                       |                             |  |
| 33                       |                        | 310.3            | Arc-resistant CSST                      | N                       | 2024 changed verbiage   | N                              | N           | A   | A  |                                |                       |                             |  |
| 34                       | 1346.5311              |                  | Carbon monoxide alarms                  | Y                       | Minnesota amendment   | N                              | N           | Review and add changes, revise in IMC   |  |                                |                       | Table, Brian will draft CCP |  |
| 35                       |                        | 401.5            | Identification                          | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                                |                       |                             |  |
| 36                       | 1346.5401.5.1          |                  | Medium and high pressure identification | Y                       | Minnesota amendment   | N                              | N           | Suggest removing amendment as 401.5 model code language would require all pipe to be labeled.   | Repeal   |                                |                       |                             |  |
| 37                       |                        | 402.3            | Sizing                                  | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                                |                       |                             |  |
| 38                       |                        | 402.6            | Allowable pressure drop                 | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                                |                       |                             |  |
| 39                       |                        | 402.7            | Maximum operating pressure              | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                                |                       |                             |  |
| 40                       | Table 402.4(2)A        |                  | Pipe sizing table for natural gas       | Y                       | Minnesota amendment   | N                              | N           | Is there anywhere that this table is still needed?<br>Research to see if amendment can be removed   | A  |                                |                       |                             |  |
| 41                       |                        | 403.3            | Other materials                         | N                       | 2021 removed section and renumbered the rest of the section, not added to the 2024. | N                              | N           | A   | A  |                                |                       |                             |  |
| 42                       | 1346.5403.4.2          | 403.3.2          | Steel                                   | Y                       | Minnesota amendment   | N                              | N           | Suggest removing amendment as the amendment is not Minnesota specific   | Repeal   |                                |                       |                             |  |



# New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IFGC

| To be completed by Chair |                        |                  |  |                         |  |                                |             | To be completed by TAG members   |  |                     |                       |          |  |
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| Item No.                 | Minnesota Code Section | "I" Code Section | Subject                                    | Current Minnesota Amend | Description of Change                            | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments            | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Stakeholder Consensus | Comments |  |
|                          |                        |                  |  | Y or N                  |  | N=None, L=Low<br>M=Med, H=High | Y or N      |  |  | Y or N              |                       |          |  |
| 43                       |                        | 403.6            | Workmanship and defects                    | N                       | 2024 changed verbiage                            | N                              | N           | A  | A  |                     |                       |          |  |
| 44                       | 1346.5403.8            | 403.7            | Protective coating                         | Y                       | Minnesota amendment                              | N                              | N           | Minnesota amendment is more specific, no issues with removing or keeping amendment | Repeal   |                     |                       |          |  |
| 45                       |                        | 403.8.3          | Threaded joint sealing                     | N                       | 2021 changed verbiage, remains in the 2024       | N                              | N           | A  | A  |                     |                       |          |  |
| 46                       |                        | 403.9            | Metallic piping joints and fittings        | N                       | 2024 changed verbiage                            | N                              | N           | A  | A  |                     |                       |          |  |
| 47                       | 1346.5403.10.1         | 403.9.1          | Pipe joints                                | Y                       | Minnesota amendment                              | N                              | N           | Suggest removing amendment as the amendment is not Minnesota specific              | Repeal   |                     |                       |          |  |
| 48                       |                        | 403.10.          | Plastic pipe, joints and fittings          | N                       | 2021 changed verbiage, remains in the 2024       | N                              | N           | A  | A  |                     |                       |          |  |
| 49                       |                        | 403.11.3         | Nonferrous                                 | N                       | 2024 changed verbiage                            | N                              | N           | A  | A  |                     |                       |          |  |
| 50                       |                        | 403.12.1         | Flanges                                    | N                       | 2024 added a section, renumbered rest of section | N                              | N           | A  | A  |                     |                       |          |  |
| 51                       |                        | 404.5            | Fittings in concealed locations            | N                       | 2021 changed verbiage, remains in the 2024       | N                              | N           | A  | A  |                     |                       |          |  |
| 52                       | 1346.5404.6            | 404.6            | Underground penetrations prohibited        | Y                       | Minnesota amendment                              | N                              | N           | Suggest removing amendment as the amendment is not Minnesota specific.             | Repeal   |                     |                       |          |  |
| 53                       |                        | 404.8.2          | Conduit with both ends terminating indoors | N                       | 2024 changed verbiage                            | N                              | N           | A  | A  |                     |                       |          |  |
| 54                       |                        | 404.11.5         | Prohibited use                             | N                       | 2021 removed section, not added to the 2024.     | N                              | N           | A  | A  |                     |                       |          |  |
| 55                       | 1346.5404.14           | 404.14           | Piping underground beneath buildings       | Y                       | Minnesota amendment                              | N                              | N           | Suggest removing amendment as the amendment is not Minnesota specific.             | Repeal   |                     |                       |          |  |
| 56                       |                        | 404.14.2         | Conduit with both ends terminating indoors | N                       | 2024 changed verbiage                            | N                              | N           | A  | A  |                     |                       |          |  |

# New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IFGC

| To be completed by Chair |                        |                  |  |                         |   |                                |             | To be completed by TAG members  |  |                     |                       |   |  |
|--------------------------|------------------------|------------------|--|-------------------------|---|--------------------------------|-------------|---|--|---------------------|-----------------------|---|--|
| Item No.                 | Minnesota Code Section | "I" Code Section | Subject                                    | Current Minnesota Amend | Description of Change                             | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Stakeholder Consensus | Comments  |  |
|                          |                        |                  |  | Y or N                  |   | N=None, L=Low<br>M=Med, H=High | Y or N      |   |  | Y or N              |                       |   |  |
| 57                       |                        | 404.18           | Pipe debris removal                        | N                       | 2021 changed title and verbiage, kept in the 2024 | N                              | N           | A   | A  |                     |                       |   |  |
| 58                       | 1346.5406.1.2          | 406.1.2          | Alterations, repairs and additions         | Y                       | Minnesota amendment                               | N                              | N           | Visit the amendment and rewrite as needed or remove.                    | Repeal   |                     |                       |   |  |
| 59                       |                        | 406.1.2          | Repairs and additions                      | Y                       | 2024 changed verbiage and header                  | N                              | N           | Removed alterations. Need to review section following previous change.  | A  |                     |                       |   |  |
| 60                       | 1346.5406.1.5          | 406.1.5          | Regulators and valve assemblies            | Y                       | Minnesota amendment                               | N                              | N           | Minnesota removed section. Need to review.                              | Repeal   |                     |                       |   |  |
| 61                       | 1346.5406.4.1          | 406.4.1          | Test pressure                              | Y                       | Minnesota amendment                               | N                              | N           | A: review for any changes needed  | Keep amendment   |                     |                       | Cannot repeal without CCP, suggest keeping amendment as the vote to accept was so close |  |
| 62                       | 1346.5406.4.2          | 406.4.2          | Test duration                              | Y                       | Minnesota amendment                               | N                              | N           | A: review for any changes needed  | Repeal   |                     |                       |   |  |
| 63                       | 1346.5406.4.3          |                  | Test guages                                | Y                       | Minnesota added amendment                         | N                              | N           | A: review for any changes needed  | Keep amendment   |                     |                       |   |  |
| 64                       |                        | 406.5.1          | Detection methods                          | N                       | 2024 changed verbiage                             | N                              | N           | A   | A  |                     |                       |   |  |
| 65                       |                        | 406.7.3.1        | Abandoned fuel gas piping                  | N                       | 2024 added a new section                          | N                              | N           | A   | A  |                     |                       |   |  |
| 66                       | 1346.5409.1.4          |                  | Main shutoff valve                         | Y                       | Minnesota amendment                               | N                              | N           | Repeal  |  |                     |                       | Table John CCP  |  |
| 67                       | 1346.5409.2            | 409.2            | Meter valve                                | Y                       | Minnesota amendment                               | N                              | N           | Repeal  |  |                     |                       | Table John CCP  |  |
| 68                       | 1346.5409.3.1          | 409.3.1          | Multiple-tenant buildings                  | Y                       | Minnesota amendment                               | N                              | N           | Repeal  | Repeal   |                     |                       |   |  |
| 69                       |                        | 409.5.3          | Located at manifold                        | N                       | 2024 changed verbiage                             | N                              | N           | A   | A  |                     |                       |   |  |
| 70                       |                        | 409.6            | Shutoff valve for laboratories             | N                       | 2024 changed verbiage                             | N                              | N           | A: any thought on solenoids?  | A  |                     |                       |   |  |
| 71                       | 1346.5410.3            | 410.3            | Venting of regulators                      | Y                       | Minnesota amendment                               | N                              | N           | Consider model code language  | Keep amendment   |                     |                       |   |  |
| 72                       |                        | 411.1            | Connecting appliances                      | N                       | 2021 changed verbiage, remains in the 2024        | N                              | N           | A   | A  |                     |                       |   |  |
| 73                       |                        | 411.1.6          | Unions                                     | N                       | 2024 changed verbiage                             | N                              | N           | A   | A  |                     |                       |   |  |
| 74                       |                        | F413.2.3         | Residential fueling appliances             | N                       | 2021 changed verbiage, remains in the 2024        | N                              | N           | A   | A  |                     |                       |   |  |
| 75                       |                        | F413.2.4         | Nonresidential fueling appliances          | N                       | 2021 changed verbiage, remains in the 2024        | N                              | N           | A   | A  |                     |                       |   |  |
| 76                       |                        | F413.4           | Residential fueling appliance installation | N                       | 2021 changed verbiage, remains in the 2024        | N                              | N           | A   | A  |                     |                       |   |  |

# New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IFGC

| To be completed by Chair |                        |                  |   |                         |  | To be completed by TAG members |             |   |  |                     |                       |                                  |  |
|--------------------------|------------------------|------------------|---|-------------------------|--|--------------------------------|-------------|---|--|---------------------|-----------------------|----------------------------------|--|
| Item No.                 | Minnesota Code Section | "I" Code Section | Subject   | Current Minnesota Amend | Description of Change  | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments               | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Stakeholder Consensus | Comments                         |  |
|                          |                        |                  |   | Y or N                  |  | N=None, L=Low<br>M=Med, H=High | Y or N      |   |  | Y or N              |                       |                                  |  |
| 77                       |                        | F413.5           | Nonresidential fueling appliance installation           | N                       | 2021 changed verbiage, remains in the 2024                       | N                              | N           | A   | A  |                     |                       |                                  |  |
| 78                       |                        | 416.3            | Overpressure protection devices                         | N                       | 2024 changed verbiage  | N                              | N           | A   | A  |                     |                       |                                  |  |
| 79                       |                        | 416.3.6          | Size of fittings, pipe and openings                     | N                       | 2024 changed verbiage  | N                              | N           | A   | A  |                     |                       |                                  |  |
| 80                       | 1346.5501.7            | 501.7            | Connection to Fireplace                                 | Y                       | Minnesota amendment. 2024 changed verbiage.                      | N                              | N           | Suggest removing or rewriting amendment as the requirement is not Minnesota specific. | Repeal   |                     |                       | No CCP needed. Repeal and revert |  |
| 81                       | 1346.5501.8            | 501.8            | Appliances not required to be vented                    | Y                       | Minnesota amendment  | N                              | N           | Suggest removing or rewriting amendment as the requirement is not Minnesota specific. | Keep amendment   |                     |                       |                                  |  |
| 82                       | 1346.5501.12           | 501.12           | Residential and low-heat appliances flue lining systems | Y                       | Minnesota amendment  | N                              | N           | Suggest removing or rewriting amendment as the requirement is not Minnesota specific. | Repeal   |                     |                       |                                  |  |
| 83                       | 1346.5503.2.2          | 503.2.2          | Well-ventilated spaces                                  | Y                       | Minnesota amendment  | N                              | N           | Minnesota removed section. Could be detrimental for direct-fired MUA units            | Repeal   |                     |                       |                                  |  |
| 84                       |                        | 503.2.3          | Direct-vent appliances                                  | N                       | 2021 changed verbiage, remains in the 2024                       | N                              | N           | A   | A  |                     |                       |                                  |  |
| 85                       |                        | 503.2.4          | Appliances with intergral vents                         | N                       | 2021 changed verbiage, remains in the 2024                       | N                              | N           | A   | A  |                     |                       |                                  |  |
| 86                       |                        | 503.2.5          | Incinerators  | N                       | 2021 changed verbiage, remains in the 2024                       | N                              | N           | A   | A  |                     |                       |                                  |  |
| 87                       |                        | 503.3.3          | Mechanical draft systems                                | N                       | 2021 removed item 6, remains deleted in 2024                     | N                              | N           | A   | A  |                     |                       |                                  |  |
| 88                       |                        | 503.5.1          | Factory-built chimneys                                  | N                       | 2021 changed verbiage, remains in the 2024                       | N                              | N           | A   | A  |                     |                       |                                  |  |
| 89                       | 1346.5503.5.5          | 503.5.5          | Size of chimneys  | Y                       | Minnesota amendment, also 2021 changed verbiage, remains in 2024 | N                              | N           | Consider model code language  | Repeal   |                     |                       |                                  |  |
| 90                       | 1346.5503.5.6          | 503.5.6          | Inspection of chimney                                   | Y                       | Minnesota added an exception, not in model code language         | N                              | N           | ?   | Repeal   |                     |                       |                                  |  |
| 91                       |                        | 503.5.6.1        | Chimney lining  | N                       | 2021 removed the exception, remains in the 2024                  | N                              | N           | A   | A  |                     |                       |                                  |  |
| 92                       |                        | 503.5.11         | Insulation sheild                                       | N                       | 2021 changed verbiage, remains in the 2024                       | N                              | N           | A   | A  |                     |                       |                                  |  |
| 93                       | 1346.5503.6.10.1       | 503.6.10.1       | Category I appliances                                   | Y                       | Minnesota amendment, also 2021 changed verbiage, remains in 2024 | N                              | N           | Consider model code language  | A  |                     |                       |                                  |  |
| 94                       |                        | 503.6.10.4       | Mechanical draft  | N                       | 2021 changed verbiage, remains in the 2024                       | N                              | N           | A   | A  |                     |                       |                                  |  |

# New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IFGC

| To be completed by Chair |                        |                  |   |                         |   |                                |             | To be completed by TAG members  |  |                     |                       |          |  |
|--------------------------|------------------------|------------------|---|-------------------------|---|--------------------------------|-------------|---|--|---------------------|-----------------------|----------|--|
| Item No.                 | Minnesota Code Section | "I" Code Section | Subject   | Current Minnesota Amend | Description of Change   | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Stakeholder Consensus | Comments |  |
|                          |                        |                  |   | Y or N                  |   | N=None, L=Low<br>M=Med, H=High | Y or N      |   |  | Y or N              |                       |          |  |
| 95                       |                        | 503.6.11         | Gas vents serving appliances on more than one floor   | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 96                       |                        | 503.7.9          | Size of single-wall metal pipe                        | N                       | 2021 changed verbiage, remains in the 2024 Minnesota amendment                              | N                              | N           | A   | A  |                     |                       |          |  |
| 97                       |                        | 503.8            | Venting system terminal clearances                    | N                       | 2021 changed title and verbiage, kept in the 2024. All the numbered parts have been removed | N                              | N           | A   | A  |                     |                       |          |  |
| 98                       |                        | Table 503.8      | Through-the-wall vent terminal clearance              | N                       | 2021 changed title and table, kept in the 2024. The table is more informative               | N                              | N           | A   | A  |                     |                       |          |  |
| 99                       |                        | 503.10.2.5       | Medium-heat appliances                                | N                       | 2021 changed verbiage in item 4, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 100                      |                        | Figure 503.8     | Figure 503.8 Through-the-wall vent terminal clearance | N                       | New table not in the 2018 IMC, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 101                      |                        | 503.10.3.1       | Single draft hood and fan-assisted                    | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 102                      |                        | 503.10.3.2       | Multiple draft hood                                   | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 103                      |                        | 503.10.3.3       | Multiple appliances                                   | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 104                      |                        | 503.10.3.4       | Common connector/manifold                             | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 105                      |                        | 503.10.7         | Connector junctions                                   | N                       | 2021 added section, renumbered rest of 503.10 remains in the 2024                           | N                              | N           | A   | A  |                     |                       |          |  |
| 106                      |                        | 503.12.2.2       | Special design draft hood                             | N                       | 2021 removed section, still gone in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 107                      |                        | 503.13           | Manually operated dampers                             | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 108                      |                        | 503.14           | Automatically operated vent dampers                   | N                       | 2021 changed verbiage, 2024 changed title and verbiage.                                     | N                              | N           | A   | A  |                     |                       |          |  |
| 109                      |                        | 503.15           | Obstructions  | N                       | 2021 changed verbiage in items 2 and 5, remains in the 2024                                 | N                              | N           | A   | A  |                     |                       |          |  |
| 110                      | 1346.5504.2.8          | 504.2.8          | Vent area and diameter                                | Y                       | Minnesota amendment   | N                              | N           | Vent sizing down to 4 from 7 in model code                              | A  |                     |                       |          |  |
| 111                      |                        | 504.2.16         | Engineering calculations                              | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 112                      |                        | 504.3.12         | Vent height measurement                               | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |
| 113                      |                        | 504.3.13         | Multistory height measurement                         | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   | A  |                     |                       |          |  |

# New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IFGC

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|                          |                        |                  |                                      | Y or N                  |   | N=None, L=Low<br>M=Med, H=High | Y or N      |  |  | Y or N              |                       |          |                   |
| 114                      | 1346.5504.3.17         | 504.3.17         | Vertical vent maximum size           | Y                       | Minnesota amendment   | N                              | N           | Vent sizing down to 4 from 7 in model code   |  | Repeal              |                       |          |                   |
| 115                      |                        | 504.3.18         | Multiple input rate appliances       | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 116                      | 1346.5504.3.19         | 504.3.19         | Liner system sizing and connections  | Y                       | Minnesota amendment   | N                              | N           | Review to verify amendment is necessary  |  | Repeal              |                       |          |                   |
| 117                      |                        | 602.1            | General                              | N                       | 2021 changed verbiage, 2024 also changed verbiage.                  | N                              | N           | A  |  | A                   |                       |          |                   |
| 118                      |                        | 602.2            | Flame safeguard device               | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 119                      | 1346.5602.3            | 602.3            | Prohibited installations             | Y                       | Minnesota amendment   | N                              | N           | Keep amendment   |  | A                   |                       |          |                   |
| 120                      |                        | 603.1            | Log lighters                         | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | CSA 8 changes  |  |                     |                       |          | Mario CCP 11/4/24 |
| 121                      |                        | 604.1            | General                              | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 122                      |                        | 605.1            | General                              | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 123                      |                        | 608.1            | General                              | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 124                      |                        | 609.1            | General                              | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 125                      |                        | 610.1            | General                              | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 126                      |                        | 611.2            | Installation                         | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A: Review to see if an amendment is necessary to clarify where nonrecirculating direct-fired industrial air heaters can be installed |  | A                   |                       |          |                   |
| 127                      |                        | 612.2            | Location                             | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A: Review to see if an amendment is necessary to clarify where recirculating direct-fired industrial air heaters can be installed    |  | A                   |                       |          |                   |
| 128                      |                        | 613.1            | General                              | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 129                      |                        | M614.4.1         | Termination location                 | N                       | 2021 added section, renumbered the rest of 614, remains in the 2024 | N                              | N           | A  |  | A                   |                       |          |                   |
| 130                      |                        | M614.6           | Booster fans prohibited              |                         | 2021 added section, renumbered makeup air, remains in the 2024      | N                              | N           | A  |  | A                   |                       |          |                   |
| 131                      |                        | M614.7.1         | Closet installation                  | N                       | 2021 added section, remains in the 2024                             | N                              | N           | A  |  | A                   |                       |          |                   |
| 132                      |                        | 617.1            | General                              | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 133                      |                        | 618.1            | General                              | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 134                      |                        | 618.6            | (IFGS) Furnace plenums and air ducts | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |
| 135                      |                        | 620.1            | General                              | N                       | 2021 changed verbiage, remains in the 2024                          | N                              | N           | A  |  | A                   |                       |          |                   |

# New Changes in Mechanical Fuel Gas Code TAG Review Worksheet

Model Code: 2024 IFGC

| To be completed by Chair |                        |                  |  |                         |   |                                |             | To be completed by TAG members  |  |                     |                       |          |  |
|--------------------------|------------------------|------------------|--|-------------------------|---|--------------------------------|-------------|---|--|---------------------|-----------------------|----------|--|
| Item No.                 | Minnesota Code Section | "I" Code Section | Subject  | Current Minnesota Amend | Description of Change   | Safety & Health Value          | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Stakeholder Consensus | Comments |  |
|                          |                        |                  |  | Y or N                  |   | N=None, L=Low<br>M=Med, H=High | Y or N      |   |  | Y or N              |                       |          |  |
| 136                      | 1346.5621              | 621              | Unvented room heaters  | Y                       | Minnesota amendment   | N                              | N           | Keep amendment  |  | Keep amendment      |                       |          |  |
| 137                      |                        | 622.1            | General  | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   |  | A                   |                       |          |  |
| 138                      |                        | 623.1            | General  | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   |  | A                   |                       |          |  |
| 139                      |                        | 624.1            | General  | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   |  | A                   |                       |          |  |
| 140                      |                        | 625.1            | General  | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   |  | A                   |                       |          |  |
| 141                      |                        | 627.1            | General  | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   |  | A                   |                       |          |  |
| 142                      |                        | 628.1            | General  | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   |  | A                   |                       |          |  |
| 143                      |                        | 630.1            | General  | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   |  | A                   |                       |          |  |
| 144                      | 1346.5630.3            | 630.3            | Combustion and ventilation air   | Y                       | Minnesota amendment   | N                              | N           | Revist amendment, is reference to MUA needed here?                      |  | Keep amendment      |                       |          |  |
| 145                      |                        | 634              | Chimney damper area opening  | N                       | 2021 removed section, renumbered rest of chapter 6, remains the same in 2024                          | N                              | N           | A   |  | A                   |                       |          |  |
| 146                      |                        | 635.1            | General  | N                       | 2021 changed verbiage, remains in the 2024  | N                              | N           | A   |  | A                   |                       |          |  |
| 147                      | 1346.5636              |                  | Outdoor cooking appliainces  | N                       | Add section to address gas valves and flameguard devices on permanently indoor gas cooking appliances | Y                              | Y           | Review with TAG   |  | A                   |                       |          |  |
| 148                      | 1346.5900.             |                  | Installation and testing of fuel gas-fired appliances                          | Y                       | Minnesota amendment   | N                              | N           | Review with TAG and remove as per IMC chapter 16                        |  | No consensus        |                       |          |  |
| 149                      | 1346.6000.             |                  | Manufactured home park/community fuel gas equipment and appliance installation | Y                       | Minnesota amendment   |                                |             | Remove chapter 10 as 1346.5101 subpart 3 adresses NFPA 501A             |  | Repeal              |                       |          |  |

# Changes in the 2024 International Residential Code

## Chapter 1309 TAG Review Worksheet

### 2024 CHAPTER 1309 TAG REVIEW WORKSHEET

| 2024 CHAPTER 1309 TAG REVIEW WORKSHEET |                       |                                      |                  |   |                                 |             |   |  |                     |          |  |
|--|-----------------------|--------------------------------------|------------------|---|---------------------------------|-------------|---|--|---------------------|----------|--|
| To be completed by Chair               |                       |                                      |                  |   |                                 |             |   | To be completed by TAG members                           |                     |          |  |
| Item No.                               | 2024 IRC Code Section | Subject                              | Current MN Amend | Description of Change                         | Safety & Health Value           | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments   | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Comments |  |
|  |                       |                                      | Y or N           |   | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |  |
| Definitions                            |                       |                                      |                  |   |                                 |             |   | To be completed by TAG members                           |                     |          |  |
| 1                                      | Chapter 2             | Air circulation forced               | N                | No existing definition in 1346                | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 2                                      | Chapter 2             | Boiler                               | N                | Definition differs from 1346                  | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 3                                      | Chapter 2             | BTU/H                                | N                | No existing definition in 1346                |                                 |             | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 4                                      | Chapter 2             | Chimney types                        | N                | No existing definition in 1346                | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 5                                      | Chapter 2             | Combustion air                       | N                | Definition differs from 1346                  | N                               | N           | A, should be fine to leave as written. This definition is better than IMC | A  |                     |          |  |
| 6                                      | Chapter 2             | Condensate                           | N                | Definition differs from 1346                  | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 7                                      | Chapter 2             | Condensing appliance                 | N                | No existing definition in 1346                | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 8                                      | Chapter 2             | Control, limit                       | N                | No existing definition in 1346                | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 9                                      | Chapter 2             | Control, primary safety              | N                | No existing definition in 1346                | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 10                                     | Chapter 2             | Convactor                            | N                | No existing definition in 1346                | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 11                                     | Chapter 2             | Damper, volume                       | N                | Similar definition in 2024 IMC under damper   | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 12                                     | Chapter 2             | Drain-back system                    | N                | Do not need to review same definition as 1346 |                                 |             |   | Nothing needed   |                     |          |  |
| 13                                     | Chapter 2             | Essentially nontoxic transfer fluids | N                | No existing definition in 1346                | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 14                                     | Chapter 2             | Essentially toxic transfer fluids    | N                | No existing definition in 1346                | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 15                                     | Chapter 2             | Excess air                           | N                | Definition differs from 1346                  | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |
| 16                                     | Chapter 2             | Exhaust hood, full opening           | N                | No existing definition in 1346                | N                               | N           | A, should be fine to leave as written.                                    | A  |                     |          |  |

# Changes in the 2024 International Residential Code

## Chapter 1309 TAG Review Worksheet

| To be completed by Chair |                       |   |                  |  |                                 |             |   | To be completed by TAG members                           |                     |          |  |
|--------------------------|-----------------------|---|------------------|--|---------------------------------|-------------|---|--|---------------------|----------|--|
| Item No.                 | 2024 IRC Code Section | Subject   | Current MN Amend | Description of Change  | Safety & Health Value           | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Comments |  |
|                          |                       |   | Y or N           |  | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |  |
| 17                       | Chapter 2             | Factory-built chimney                           | N                | Do not need to review same definition as 1346, but listed under 2024 IMC Chimney | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 18                       | Chapter 2             | Factory-built air duct                          | N                | No existing definition in 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 19                       | Chapter 2             | Fuel piping system                              | N                | No existing definition in 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 20                       | Chapter 2             | Furnace   | N                | Definition differs from 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 21                       | Chapter 2             | Local exhaust                                   | N                | No existing definition in 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 22                       | Chapter 2             | Locking-type tamper-resistant cap               | N                | No existing definition in 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 23                       | Chapter 2             | Pellet vent                                     | N                | Do not need to review same definition as 1346, but listed under 2024 IMC Vent    | N                               | N           |   | Nothing needed   |                     |          |  |
| 24                       | Chapter 2             | Plenum  | N                | Definition differs from 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 25                       | Chapter 2             | Relief valve, vacuum                            | N                | Definition differs from 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 26                       | Chapter 2             | Room heater                                     | N                | No existing definition in 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 27                       | Chapter 2             | Refrigerant Compressor                          | N                | No existing definition in 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 28                       | Chapter 2             | Solar thermal collector                         | N                | No existing definition in 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 29                       | Chapter 2             | Temperature-and pressure-relief (T and P) valve | N                | No existing definition in 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 30                       | Chapter 2             | Temperature-relief valve                        | N                | No existing definition in 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 31                       | Chapter 2             | Vent  | N                | Definition differs from 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| Chapters 12-24           |                       |   |                  |  |                                 |             |   | To be completed by TAG members                           |                     |          |  |
| 1                        | M1201.1               | Scoping   | N                | 1346.0101 has same basic language  | N                               | N           | A   | A  |                     |          |  |
| 2                        | M1201.2               | Application                                     | N                | CCP needed   | N                               | N           | Add reference to 1300 in place of Chapter 1 language                    | AM internal  |                     |          |  |



# Changes in the 2024 International Residential Code

## Chapter 1309 TAG Review Worksheet

| To be completed by Chair |                       |   |                  |  |                                 |             |   | To be completed by TAG members                           |                     |                                     |  |
|--------------------------|-----------------------|---|------------------|--|---------------------------------|-------------|---|--|---------------------|-------------------------------------|--|
| Item No.                 | 2024 IRC Code Section | Subject   | Current MN Amend | Description of Change  | Safety & Health Value           | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Comments                            |  |
|                          |                       |   | Y or N           |  | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |                                     |  |
| 3                        | M1202.1               | Additions, alterations or repairs                               | N                | 1346.0104 has same basic language  | N                               | N           | A   | A  |                     |                                     |  |
| 4                        | M1202.2               | Existing installations  | N                | 1346.0102 has same basic language  | N                               | N           | A   | A  |                     |                                     |  |
| 5                        | M1202.3               | Maintenance   | N                | 1346.0103 has same basic language  | N                               | N           | A   | A  |                     |                                     |  |
| 6                        | M1301.1               | Scope   | N                | IMC 301.1 has same basic language  | N                               | N           | A   | A  |                     |                                     |  |
| 7                        | M1301.1.1             | Flood-resistant installation                                    | N                | IMC 301.16 has requirements for flood resistant construction                               | N                               | N           | A   | A  |                     |                                     |  |
| 8                        | M1301.2               | Identification  | N                | IMC 301.3 has same basic language  | N                               | N           | A   | A  |                     |                                     |  |
| 9                        | M1301.3               | Installation of materials                                       | N                | Language describes following the listings. Should be fine to keep. See IMC 304.1 and 304.2 | N                               | N           | A   | A  |                     |                                     |  |
| 10                       | M1301.4               | Plastic pipe, fittings and components                           | N                | IMC 301.4 has same basic language  | N                               | N           | A   | A  |                     |                                     |  |
| 11                       | M1301.5               | Third party testing and certification                           | N                | IMC 301.5 has same basic language  | N                               | N           | A   | A  |                     |                                     |  |
| 12                       | M1302.1               | Listed and labeled  | N                | Model code language does not address our 1346.0301.7 amendment                             | N                               | N           | Write CCP to address IRC buildings similar to IMC                       | AM   |                     | ccp Staff stop at first 2 sentences |  |
| 13                       | M1303.1               | Label information   | N                | IMC 301.9 has same basic language  | N                               | N           | A   | A  |                     |                                     |  |
| 14                       | M1304.1               | Fuel types  | N                | IMC 301.12 has same basic language   | N                               | N           | A   | A  |                     |                                     |  |
| 15                       | M1305.1               | Appliance access for inspection service, repair and replacement | N                | IMC 306.1 has language addressing access.  | N                               | N           | A   | A  |                     |                                     |  |
| 16                       | M1305.1.1             | Appliances in rooms   | N                | IMC 306.2 has similar language   | N                               | N           | A   | A  |                     |                                     |  |
| 17                       | M1305.1.2             | Appliances in attics  | N                | IMC 306.3 has similar language   | N                               | N           | A   | A  |                     |                                     |  |
| 18                       | M1305.1.2.1           | Electrical requirements   | N                | Language refers to Chapter 39, which will not adopted.                                     | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                     |  |
| 19                       | M1305.1.3             | Appliances under floors   | N                | IMC 306.4 has similar language   | N                               | N           | A   | A  |                     |                                     |  |
| 20                       | M1305.1.3.1           | Ground clearance  | N                | IMC 304.10 has similar language  | N                               | N           | A   | A  |                     |                                     |  |
| 21                       | M1305.1.3.2           | Pit locations   | N                | IMC 303.7 has similar language   | N                               | N           | A   | A  |                     |                                     |  |
| 22                       | M1305.1.3.3           | Electrical requirements   | N                | Language refers to Chapter 39, which will not adopted.                                     | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                     |  |
| 23                       | M1306.1               | Appliance clearance   | N                | IMC 304.9 has language, not similar to M1306.1   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                     |  |
| 24                       | M1306.2               | Clearance reduction   | N                | IMC 308 has requirements that differ from M1306.2, IRC handles differently.                | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                     |  |

# Changes in the 2024 International Residential Code

## Chapter 1309 TAG Review Worksheet

| To be completed by Chair |                       |  |                  |   |                                 |             |   | To be completed by TAG members                           |                     |          |
|--------------------------|-----------------------|--|------------------|---|---------------------------------|-------------|---|--|---------------------|----------|
| Item No.                 | 2024 IRC Code Section | Subject  | Current MN Amend | Description of Change   | Safety & Health Value           | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Comments |
|                          |                       |  | Y or N           |   | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |
| 25                       | Table M1306.2         | Reduction of clearances with specified forms of protection | N                | IMC Table 308.4.2 has a table that differs from table M1306.2.                            | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 26                       | M1306.2.1             | Labeled assemblies   | N                | IMC 308.4.1 has similar language  | N                               | N           | A   | A  |                     |          |
| 27                       | M1306.2.2             | Reduction table  | N                | IMC 308.4.2 has language that differs from M1306.2.2                                      | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 28                       | M1306.2.3             | Solid-fuel appliances                                      | N                | IMC 308.4.2.1 deals with solid fuel, different from IRC                                   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 29                       | M1307.1               | General  | N                | IMC 304.1 has some similar language   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 30                       | M1307.2               | Anchorage of appliances                                    | N                | IMC 301.18 has some language that was left in the code, even though not needed            | N                               | N           | A   | A  |                     |          |
| 31                       | M1307.3               | Elevation of ignition source                               | N                | IMC 304.3 has similar language  | N                               | N           | A   | A  |                     |          |
| 32                       | M1307.3.1             | Protection from impact                                     | N                | IMC 303.4 addresses this section. No reference to 6' above floor as required in IMC 304.7 | N                               | N           | A   | A  |                     |          |
| 33                       | M1307.4               | Hydrogen-generating and refueling operations               | N                | IMC 304.5 has similar language  | N                               | N           | A   | A  |                     |          |
| 34                       | M1307.4.1             | Natural ventilation  | N                | IMC 304.5.1 has similar language  | N                               | N           | A   | A  |                     |          |
| 35                       | M1307.4.1.1           | Two openings   | N                | IMC 304.5.1.1 has similar language  | N                               | N           | A   | A  |                     |          |
| 36                       | M1307.4.1.2           | Louvers and grills   | N                | IMC 304.5.1.2 has similar language  | N                               | N           | A   | A  |                     |          |
| 37                       | M1307.4.2             | Mechanical ventilation                                     | N                | IMC304.5.2 has similar language   | N                               | N           | A   | A  |                     |          |
| 38                       | M1307.4.3             | Specially engineered systems                               | N                | IMC 304.5.3 has similar language  | N                               | N           | A   | A  |                     |          |
| 39                       | M1307.5               | Electrical appliances                                      | N                | No reference in 1346  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 40                       | M1307.6               | Plumbing connections                                       | N                | References Chapters 29 and 30   | N                               | N           | CCP to reference 4714   | A  |                     |          |
| 41                       | M1307.7               | Prohibited support   | N                | No reference in 1346  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 42                       | M1308.1               | Drilling and notching                                      | N                | Code refers to IRC sections   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 43                       | M1308.2               | Protection against physical damage                         | N                | Code section refers following subsections   | N                               | N           | A   | A  |                     |          |

## Changes in the 2024 International Residential Code Chapter 1309 TAG Review Worksheet

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|--------------------------|-----------------------|--|------------------|--|---------------------------------|-------------|---|--|---------------------|----------------------|--|
| Item No.                 | 2024 IRC Code Section | Subject                                | Current MN Amend | Description of Change  | Safety & Health Value           | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Comments             |  |
|                          |                       |  | Y or N           |  | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |                      |  |
| 44                       | M1308.2.1             | Piping through bored holes and notches | N                | 2024 IMC 305.5 has similar language and 1346 TAG accepted the language                       | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 45                       | M1308.2.2             | Piping in other locations              | N                | 2024 IMC 305.5 has similar language and 1346 TAG accepted the language                       | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 46                       | M1308.2.3             | Shield plates                          | N                | 2024 IMC 305.5.1 has similar language and 1346 TAG accepted the language                     | N                               | N           | A   | A  |                     |                      |  |
| 47                       | M1401.1               | Installation                           | N                | IMC 304.1 has some similar language  | N                               | N           | A, need CCP to address unvented room heaters similar to IMC 901.5       | A  |                     | CCP John Smith 901.5 |  |
| 48                       | M1401.2               | Access                                 | N                | Access is located in mutiple locations in 1346   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 49                       | M1401.3               | Equipment and appliance sizing         | N                | Refers to manuals ACCA J and S   | N                               | N           | A   | A  |                     |                      |  |
| 50                       | M1401.4               | Outdoor installation                   | N                | IMC 303.6 has similar language   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 51                       | M1401.5               | Flood Hazard                           | N                | 1346.0301.16 has language, not similar   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 52                       | M1402.1               | General                                | N                | Section refers to listings for oil and electric furnaces. See IMC chapter 9                  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 53                       | M1402.2               | Clearances                             | N                | Section refers to clearances per listings and installation instructions                      | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 54                       | M1402.3               | Combustion air                         | N                | Section is similar to language in IMC Chapter 7. Fuel gas requirements are in IRC Chapter 24 | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 55                       | M1403.1               | Heat pumps                             | N                | Section has references to electric heat pumps. IMC 918 has similar language                  | N                               | N           | A   | A  |                     |                      |  |
| 56                       | M1404.1               | Compliance                             | N                | 1101.2 has some similar language. 1346 TAG approved CCP to address 326B.106                  | N                               | N           | Need CCP to allow refrigerants as required in 326B.106                  | A  |                     |                      |  |
| 57                       | M1405.1               | General                                | N                | Section refers to baseboard electric.  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 58                       | M1406.1               | General                                | N                | Section refers to radiant heating systems. IMC 927 has language                              | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 59                       | M1406.2               | Clearances                             | N                | Sections refer to the electric code requirements, IMC 927.2 has similar language             | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |
| 60                       | M1406.3               | Installation of radiant panels         | N                | IMC 927.3 has similar language   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                      |  |

## Changes in the 2024 International Residential Code Chapter 1309 TAG Review Worksheet

| To be completed by Chair |                       |   |                  |   |                                 |             |   | To be completed by TAG members                           |                     |          |  |
|--------------------------|-----------------------|---|------------------|---|---------------------------------|-------------|---|--|---------------------|----------|--|
| Item No.                 | 2024 IRC Code Section | Subject   | Current MN Amend | Description of Change   | Safety & Health Value           | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Comments |  |
|                          |                       |   | Y or N           |   | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |  |
| 61                       | M1406.4               | Installation in concrete or masonry               | N                | IMC 927.4 has similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 62                       | M1406.5               | Finish surfaces                                   | N                | IMC 927.5 has similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 63                       | M1407.1               | General   | N                | Section refers to electric duct heaters. IMC 911.1 has same UL standard referenced                    | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 64                       | M1407.2               | Installation                                      | N                | Section refers to installation requirements for electric duct heaters                                 | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 65                       | M1407.3               | Installation with heat pumps and air conditioners | N                | Section refers to installation requirements for electric duct heaters regarding listings and labeling | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 66                       | M1407.4               | Access  | N                | IMC 306.1 has similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 67                       | M1407.5               | Fan interlock                                     | N                | New language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 68                       | M1408.1               | General   | N                | Section refers to oil-fired vented floor furnaces. IMC 910 has language                               | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 69                       | M1408.2               | Clearances  | N                | IMC 910.4 has similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 70                       | M1408.3               | Location  | N                | IMC 910.2 has similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 71                       | M1408.4               | Access  | N                | IMC 306.1 has similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 72                       | M1408.5               | Installation                                      | N                | New language elaborating on IMC 910.2   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 73                       | M1409.1               | General   | N                | IMC 909 has similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 74                       | M1409.2               | Location  | N                | IMC 909.2 has similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 75                       | M1409.3               | Installation                                      | N                | IMC 909 has similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 76                       | M1409.4               | Access  | N                | IMC 909.6 has similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 77                       | M1410.1               | General   | N                | Different sections of IMC Chapter 9 have similar language.  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |
| 78                       | M1410.2               | Floor mounting                                    | N                | New language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |  |

# Changes in the 2024 International Residential Code

## Chapter 1309 TAG Review Worksheet

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| 79                       | M1411.1                        | Approved refrigerants                         | N                | Addresses refrigerants in ANSI/ASHRAE 34  | N                               | N           | Consider CCP to align with Brian's CCP to 1101.1.1 and refer to statute 326B.106 |  |                     | Brian CCP |  |
| 80                       | M1411.2                        | Refrigerant system listing                    | N                | 2024 added a reference to UL listings IMC 1101.2.1 added a section, we accepted | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 81                       | M1411.3                        | Refrigerant system installation               | N                | Similar requirements in IMC 1101.2  | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 82                       | M1411.4                        | Field installed accessories                   | N                | New language not found in 1346  | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 83                       | M1411.5                        | Signs and identification                      | N                | New language not found in 1346  | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 84                       | M1411.6                        | Refrigerant charge                            | N                | New language not found in 1346  | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 85                       | M1411.7                        | Group A2L refrigerant piping testing          | N                | Different sections of IMC Chapter 11 have similar language.                     | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 86                       | M1411.8                        | Refrigeration coils in warm-air furnaces      | N                | New language not found in 1346  | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 87                       | M1411.9 and following sections | Condensate disposal                           | N                | IMC 307.2 and following sections have similar language                          | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 88                       | M1411.10                       | Condensate pumps                              | N                | 1346 has amendment to 2024 IMC  | N                               | N           | Copy 1346 amendment  |  |                     | Brian CCP |  |
| 89                       | M1411.11                       | Auxiliary drain pan                           | N                | Has exception for appliances that shut down on condensate blockage              | N                               | N           | Delete section as is found in G2404.10 for fuel gas appliances                   | A  |                     |           |  |
| 90                       | M1411.12                       | Insulation of refrigerant piping              | N                | 2024 N1103.4 has similar language.  | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 91                       | M1411.12.1                     | Refrigerant line insulation protection        | N                | 2024 N1103.4.1 has prescriptive requirements.                                   | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 92                       | M1411.13                       | Location and protection of refrigerant piping | N                | New language  | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 93                       | M1411.14                       | Support of refrigerant piping                 | N                | New language  | N                               | N           | A, should be fine to leave as written.   | A  |                     |           |  |
| 94                       | M1411.15                       | Locking access port caps                      | N                | Similar language in IMC 1101.9  | N                               | N           | A  | A  |                     |           |  |
| 95                       | M1412 and following sections   | Absorption cooling equipment                  | N                | New language  | N                               | N           | A, entire section should be fine to accept as written                            | A  |                     |           |  |

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| 96                       | M1413                        | Evaporative cooling equipment                  | N                | 2024 IMC section 928 has similar language                          | N                               | N           | Have CCP to review from Mike Moore                                      | A  |                     |          |  |
| 97                       | M1414 and following sections | Fireplace stoves                               | N                | IMC section 905 has similar language                               | N                               | N           | A, entire section should be fine to accept as written                   | A  |                     |          |  |
| 98                       | M1415                        | Masonry heaters                                | N                | IMC section 925 has similar language.                              | N                               | N           | A, entire section should be fine to accept as written                   | A  |                     |          |  |
| 99                       | M1501.1                      | Outdoor discharge                              | N                | IMC section 501.3 has an amendment, should visit.                  | N                               | N           | CCP needed to match John Smith's 2024 IMC amendment                     |  |                     | Table    |  |
| 100                      | M1502.1                      | General  | N                | IMC 504.1 has similar language                                     | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |  |
| 101                      | M1502.2                      | Independent exhaust systems                    | N                | IMC 504.1 has similar language                                     | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |  |
| 102                      | M1502.3                      | Duct termination                               | N                | IMC 504.4 has similar language                                     | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |  |
| 103                      | M1502.3.1                    | Exhaust termination outlet and passageway size | N                | IMC 504.4.1 has similar language                                   | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |  |
| 104                      | M1502.4                      | Dryer exhaust ducts                            | N                | Section provides guidance  | N                               | N           | A   |  |                     | Table    |  |
| 105                      | M1502.4.1                    | Material and size                              | N                | IMC 504.8.1 has similar language                                   | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |  |
| 106                      | M1502.4.2                    | Duct installation                              | N                | IMC 504.8.2 has similar language                                   | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |  |
| 107                      | M1502.4.3                    | Transition duct                                | N                | IMC 504.8.3 has similar language                                   | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |  |
| 108                      | M1502.4.4                    | Dryer exhaust duct power ventilators           | N                | IMC 504.8.4.3 has similar language                                 | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |  |
| 109                      | M1502.4.5                    | Booster fans prohibited                        | N                | 2024 IMC section 504.6 has similar language. 1346 TAG accepted new | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |  |
| 110                      | M1502.4.6                    | Duct length                                    | N                | Section provides guidance  | N                               | N           | A   |  |                     | Table    |  |
| 111                      | M1502.4.6.1                  | Specified length                               | N                | IMC 504.8.4.1 has similar language                                 | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |  |

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| 112                      | Table M1502.4.6.1             | Dryer exhaust duct fitting equivalent length      | N                | IMC Table 504.8.4.1 is similar                                    | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 113                      | M1502.4.6.2                   | Manufacturer's instructions                       | N                | IMC 504.8.4.2 has similar language                                | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 114                      | M1502.4.6.3                   | Dryer exhaust duct power ventilator               | N                | IMC 504.804.3 has similar language                                | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 115                      | M1502.4.7                     | Length identification                             | N                | IMC 504.8.5 has similar language                                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 116                      | M1502.4.8                     | Exhaust duct required                             | N                | IMC 504.8.6 has similar language                                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 117                      | M1502.5                       | Protection required                               | N                | IMC 504.7 has similar language                                    | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 118                      | M1502.6                       | Makeup air  | N                | IMC 504.6 has similar language                                    | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 119                      | M1502.6.1                     | Closet installation                               | N                | IMC 504.6 has similar language                                    | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 120                      | M1503.1                       | General   |                  | IMC 505.1 has similar language                                    | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 121                      | M1503.2                       | Domestic cooking exhaust                          | N                | 2024 IMC 505.2 has similar language, 1346 TAG approved model code | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 122                      | M1503.2.1                     | Open-top broiler exhaust                          | N                | IFGC 623.5 has similar language.                                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 123                      | M1503.3                       | Exhaust discharge                                 | N                | IMC 505.3 has similar language                                    | N                               | N           | Table until CCP is reviewed   |  |                     | Table    |
| 124                      | M1503.4                       | Duct material                                     | N                | IMC 505.3 subpart 2 has similar requirements                      | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 125                      | M1503.5                       | Kitchen exhaust rates                             | N                | New language.   | N                               | N           | Table until CCP is reviewed   |  |                     | Table    |
| 126                      | M1503.6, M1503.6.1, M1503.6.2 | Makeup air required, Location, Makeup air dampers | N                | New language.   | N                               | N           | Table until CCP is reviewed   |  |                     | Table    |
| 127                      | M1504.1                       | Duct construction                                 | N                | Language addressed in IMC Chapter 6                               | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table    |
| 128                      | M1504.2                       | Duct length                                       | N                | New language  | N                               | N           | Table until CCP is reviewed   |  |                     | Table    |

# Changes in the 2024 International Residential Code

## Chapter 1309 TAG Review Worksheet

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| 129                      | Table M1504.2                                     | Duct length  | N                | New language.  | N                               | N           | Need review.  |  |                     | Table     |  |
| 130                      | M1504.3   | Exhaust openings   | N                | IMC 501.3.1 has similar language                                       | N                               | N           | Table until CCP is reviewed   |  |                     | Table     |  |
| 131                      | M1505.1   | General  | N                | New language   | N                               | N           | Table until CCP is reviewed   |  |                     | Table     |  |
| 132                      | M1505.2   | Recirculation of air   | N                | New section, IMC has language in MR1346.0501.3                         | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table     |  |
| 133                      | M1505.3   | Exhaust equipment  | N                | New language.  | N                               | N           | Table until CCP is reviewed   |  |                     | Table     |  |
| 134                      | M1505.4,<br>M1505.4.1,<br>M1505.4.2,<br>M1505.4.3 | Whole-house mechanical ventilation system, System design, System controls, Mechanical ventilation rate | N                | New language.  | N                               | N           | Table until CCP is reviewed   |  |                     | Table     |  |
| 135                      | Table 1505.4.3 (1)                                | Continuous whole-house mechanical ventilation system airflow rate requirements                         | N                | New table  | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table     |  |
| 136                      | Table 1505.4.3 (2)                                | Intermittent whole-house mechanical ventilation rate factors   | N                | New table  | N                               | N           | A, should be fine to leave as written.                                  |  |                     | Table     |  |
| 137                      | M1505.5   | Local exhaust rates  | N                | New section  | N                               | N           | Table until CCP is reviewed   |  |                     | Table     |  |
| 138                      | Table M1505.5                                     | Minimum required local exhaust rates for one- and two-family dwellings                                 | N                | New table  | N                               | N           | Table until CCP is reviewed   |  |                     | Table     |  |
| 139                      | M1601.1   | Duct design  | N                | IMC 603.2 references Manual D  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 140                      | M1601.1.1   | Above-ground duct systems  | N                | 2024 Section M1601.1.1 Item 7 allows stud spaces to be used as plenums | N                               | N           | CCP to delete Item 7 as N1103.3.2 prohibits                             |  |                     | Jesse CCP |  |
| 140a                     | Table M1601.1.1                                   | Duct construction inimum sheet metal thickness for single family dwelling units                        | N                | Similar language in the 2020 IMC section Table 603.4                   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |



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| 140b                     | M1601.1.2              | Underground duct systems      | N                | Differs in the IMC   | N                               | N           | Need CCP to match language in 1346.0603.8.4                             |  |                     | Brian CCP |  |
| 141                      | M1601.2                | Vibration isolators           | N                | New section  | N                               |             | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 142                      | M1601.3                | Duct insulation materials     | N                | MR1346.0604.3 has similar language                           | N                               | N           | CCP needed to delete item 3, reflective duct insulation                 | A  |                     | Chris CCP |  |
| 143                      | M1601.4 and M1601.4.1. | Joints, seams and connections | N                | IMC section 603.9 has similar language                       | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 144                      | M1601.4.2              | Duct lap                      | N                | New language   | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 145                      | M1601.4.3              | Plastic duct joints           | N                | IMC section 603.8.3 has similar language                     | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 146                      | M1601.4.4              | Support                       | N                | IMC sections 603.6.1 and 603.10 has similar language         | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 147                      | M1601.4.5              | Fireblocking                  | N                | New section  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 148                      | M1601.4.6              | Duct insulation               | N                | 2024 IMC 604.11 and 604.12 have similar language             | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 149                      | M1601.4.7              | Factory-made air ducts        | N                | New language   | N                               | N           | CCP needed to address listed underground ducts as allowed in M1601.1.2  |  |                     | Chris CCP |  |
| 150                      | M1601.4.8              | Duct separation               | N                | IMC 603.14 has similar language                              | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 151                      | M1601.4.9              | Ducts located in garages      | N                | 2020 IRC section 302.5.2 has always had this requirement     | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 152                      | M1601.4.10             | Flood hazard areas            | N                | New section, 2024 IRC has requirements                       | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 153                      | M1601.5                | Under-floor plenums           | N                | N1103.3.2 prohibits  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 154                      | M1601.5.1              | General                       | N                | For existing conditions, requirements for underfloor plenums | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 155                      | M1601.5.2              | Materials                     | N                | For existing conditions, requirements for underfloor plenums | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 156                      | M1601.5.3              | Furnace connections           | N                | For existing conditions, requirements for underfloor plenums | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |
| 157                      | M1601.5.4              | Access                        | N                | For existing conditions, requirements for underfloor plenums | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |           |  |

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| 158                      | M1601.5.5             | Furnace controls                | N                | For existing conditions, requirements for underfloor plenums | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 159                      | M1601.6               | Independent garage HVAC systems | N                | New section, but provides needed clarity                     | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 160                      | M1602.1               | Outdoor air openings            | N                | Section refers to R325.6, Interior stairway illumination?    | N                               | N           | Table until CCP is reviewed   |  |                     | Table until CCP gets researched |
| 161                      | M1602.2               | Return air openings             | N                | Similar language in IMC 601.5                                | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 162                      | Chapter 17            | Combustion air                  | N                | Similar language in Chapter 7 of the IMC                     | N                               | N           | A, entire chapter should be fine to accept as written                   | A  |                     |                                 |
| 163                      | M1801.1               | Venting required                | N                | Similar language in IMC section 801.1                        | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 164                      | M1801.2               | Draft requirements              | N                | Similar language in IMC section 801.4                        | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 165                      | M1801.3               | Existing chimneys and vents     | N                | Similar language to IMC 801.18                               | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 166                      | M1801.3.1             | Size                            | N                | Similar language to IMC 801.18.1                             | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 167                      | M1801.3.2             | Flue passageways                | N                | Similar language to IMC 801.18.2                             | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 168                      | M1801.3.3             | Cleanout                        | N                | Similar language to IMC 801.18.3                             | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 168a                     | M1801.3.4             | Clearances                      | N                | Similar language to IMC 801.18.4                             | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 168b                     | M1801.4               | Space around lining             | N                | Similar language to IMC 801.17                               | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 169                      | M1801.5               | Mechanical draft systems        | N                | Similar language to IMC 804.1                                | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 170                      | M1801.6               | Direct-vent appliances          | N                | Similar language in IFGC section 503.2.3.                    | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 171                      | M1801.7               | Support                         | N                | Similar language to IMC 802.7                                | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 172                      | M1801.8               | Duct penetrations               | N                | Similar language to IMC 601.4                                | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |
| 173                      | M1801.9               | Fireblocking                    | N                | Similar language to IMC 801.18.4.1                           | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |                                 |

## Changes in the 2024 International Residential Code Chapter 1309 TAG Review Worksheet

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| Item No.                 | 2024 IRC Code Section            | Subject  | Current MN Amend | Description of Change   | Safety & Health Value           | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments                                | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Comments |
|                          |                                  |  | Y or N           |   | N=None L=Low<br>M=Med<br>H=High | Y or N      |  |  |                     |          |
| 174                      | M1801.10                         | Unused openings                                      | N                | Similar language to IMC 801.8   | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 175                      | M1801.11                         | Multiple-appliance venting systems                   | N                | Similar language in the following sections: IMC 801.19, 801.5, 801.9,           | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 176                      | M1801.12                         | Multiple solid fuel prohibited                       | N                | Similar language to IMC 801.11  | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 177                      | M1802.1                          | Draft hoods  | N                | No similar language   | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 178                      | M1802.2, M1802.2.1 and M1802.2.2 | Vent dampers   | N                | Similar language in IMC 803.5 and IMC 803.6                                     | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 179                      | M1802.3 and M1802.3.1            | Draft regulators                                     | N                | No similar language   | N                               | N           | Seems that all instructions manuals require a draft regulator A, section should be fine as written     | A  |                     |          |
| 180                      | M1802.4                          | Blocked vent switch                                  | N                | No similar language   | N                               | N           | Seems that all instructions manuals require a blocked vent switch A, section should be fine as written | A  |                     |          |
| 181                      | M1803.1                          | General  | N                | Similar language in IMC 803.1   | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 182                      | M1803.2                          | Connectors for oil and solid fuel-burning appliances | N                | Similar language in IMC 803.9   | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 183                      | Table M1803.2                    | Thickness for single-wall metal pipe connectors      | N                | Similar Table in IMC 803.9(1)   | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 184                      | M1803.3                          | Installation   | N                | Similar language in IMC sections 803.10, following subsections and IMC 803.10.5 | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 185                      | M1803.3.1                        | Floor, ceiling, and wall penetrations                | N                | Similar language in IMC 803.10.4  | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 186                      | M1803.3.2                        | Length   | N                | Similar language in IMC 803.10.2  | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 187                      | M1803.3.3                        | Size   | N                | Similar language in IMC 803.3   | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |
| 188                      | M1803.3.4                        | Clearance  | N                | Similar language in IMC 803.10.6  | N                               | N           | A, should be fine to leave as written.   | A  |                     |          |

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|                          |                         |  | Y or N           |  | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |
| 189                      | Table M1803.3.4         | Chimney and vent connector clearances to combustible materials | N                | Similar language in IMC table 803.10.6                                     | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 190                      | M1803.3.5               | Access   | N                | No similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 191                      | M1803.4 and subsections | Conection to fireplace flue                                    | N                | No similar language  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 192                      | M1804.1                 | Type of vent required  | N                | Similar language in 802.2  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 193                      | Table 1804.1            | Vent selection chart   | N                | Similar language in Table 802.2  | N                               | N           | A, should be fine to leave as written.                                  | A  |                     |          |
| 194                      | M1804.2                 | Termination  | N                | Language points to subsections   | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 195                      | M1804.2.1               | Through the roof   | N                | Common sense language  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 196                      | M1804.2.2               | Decorative shrouds   | N                | Similar language in IMC 805.6-805.7 with errata                            | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 197                      | M1804.2.3               | Natural draft appliances                                       | N                | Similar language in IMC 804.2  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 198                      | M1804.2.4               | Type L vent  | N                | Similar language in IMC 802.1 and 802.5                                    | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 199                      | M1804.2.5               | Direct vent terminations                                       | N                | Similar language in IMC 804.1  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 200                      | M1804.2.6               | Mechanical draft systems                                       | N                | Similar language in IMC 804.3  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 201                      | M1804.3                 | Installation   | N                | Similar language in IMC 802.3  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 202                      | M1804.3.1               | Size of single-appliance venting systems                       | N                | No similar language  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 203                      | M1804.4                 | Door swing   | N                | Similar language in IMC 802.9  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 204                      | M1805.1                 | General  | N                | Factory-built chimneys are located in IMC 805- Masonry chimneys located in | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 205                      | M1805.2                 | Masonry chimney connection                                     | N                | Minor language in IMC 803.10.3, most new language                          | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 206                      | M1805.3                 | Size of chimney flues  | N                | Similar language in IMC 801.2.1 and 801.6                                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |

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|                          |                       |   | Y or N           |  | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |
| 207                      | M1805.3.1             | Size of chimney flue for solid-fuel appliance | N                | Similar language in IMC 801.7          | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 208                      | M1901.1               | Clearances                                    | N                | Similar language in IFGC section 623.7 | N                               | N           | A, should be fine to leave as written. Did not apply to electric in the 2020                        |  |                     |          |
| 209                      | M1901.2               | Cooking appliances                            | N                | Similar language in IMC 917.1          | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 210                      | M1902.1               | Locations and protection                      | N                | Similar language in IMC 914.1          | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 211                      | M1902.2               | Installation                                  | N                | Similar language in IMC 914.2          | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 212                      | M1902.3               | Combustion air                                | N                | Similar language in IFGC 615.4         | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 213                      | M1902.4               | Controls                                      | N                | Similar language in IMC 914.4          | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 214                      | Section M1903         | Stationary fuel cell power plants             | N                | Similar language in IMC section 924    | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 215                      | Section M1904         | Gaseous hydrogen systems                      | N                | Similar language in IMC section 926    | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 216                      | M2001.1               | Installation                                  | N                | Similar language in IMC 1004.2         | N                               | N           | Add CCP to address 5225. Most boilers do not fall under this requirement, but if a question arises. |  |                     |          |
| 217                      | M2001.1.1             | Standards                                     | N                | Similar language in 2024 IMC 1004.1    | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 218                      | M2001.2               | Clearance                                     | N                | Similar language in 2024 IMC 1004.1    | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 219                      | M2001.3               | Valves  | N                | Similar language in 2024 IMC 1005.1    | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 220                      | M2001.4               | Flood-resistant installation                  | N                | Similar language in 2024 IMC M1401.5   | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 221                      | M2002.1               | Safety controls                               | N                | Similar language in 2024 IMC 1006.4    | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 222                      | M2002.2               | Hot water boiler guages                       | N                | Similar language in IMC 1010.1         | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 223                      | M2002.3               | Steam boiler guages                           | N                | Similar language in IMC 1010.2         | N                               | N           | A, should be fine to leave as written.  |  |                     |          |
| 224                      | M2202.4 and M2002.4.1 | Pressure relief valve                         | N                | Similar language in IMC Section 1006   | N                               | N           | A, should be fine to leave as written.  |  |                     |          |

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| 225                      | M2002.5               | Boiler low-water cutoff  | N                | Similar language in IMC section 1007                          | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 226                      | M2002.6               | Operation  | N                | Similar language in IMC section 1007.2                        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 227                      | M2003.1               | General  | N                | Similar language in IMC section 1009.1                        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 228                      | M2003.1.1             | Pressurized expansion tanks  | N                | Similar language in IMC section 1009.2                        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 229                      | M2003.2               | Minimum capacity   | N                | Similar language in IMC section 1009.2                        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 230                      | Table M2003.2         | Expansion tank minimum capacity for forced water hot-water systems | N                | Similar Table in IMC section 1009.2                           | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 231                      | M2004                 | Water heaters used for space heating                               | N                | Similar language in IMC section 1002.2                        | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 232                      | M2005                 | Water heaters  | N                | Similar language found in IMC section 1002, 1002.2 and 1002.3 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 233                      | M2006                 | Pool heaters   | N                | Similar language found in IMC section 916                     | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 234                      | M2101.1               | General  | N                | Similar language in section 1202                              | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 235                      | Table 2101.1          | Hydronic piping and fitting materials                              | N                | Similar language in tables 1202.4 and 1202.5                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 236                      | M2102.2               | System drain down  | N                | Similar language in IMC section 1206.2                        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 237                      | M2101.3               | Protection of potable water  | N                | Similar language in IMC section 1206.3                        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 238                      | M2101.4               | Pipe penetrations  | N                | Similar language in IMC section 1206.4                        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 239                      | M2101.5               | Contact with building material                                     | N                | Similar language in IMC section 1206.6                        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 240                      | M2101.6               | Drilling and notching  | N                | Code refers to IRC sections                                   | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |

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|                          |                       |  | Y or N           |   | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |
| 241                      | M2101.7               | Prohibited tee applications                    | N                | 2020 IMC 1346.1206.1.1 has similar language             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 242                      | M2101.8               | Expansion, contaction and settlement           | N                | Similar language in IMC section 1206.9                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 243                      | M2101.9               | Piping support                                 | N                | Similar language in IMC section 1206.10                 | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 244                      | Table 2101.9          | Hanger spacing intervals                       | N                | Similar table in IMC Table 305.4                        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 245                      | M2101.10              | Tests  | N                | Similar language in IMC section 1208                    | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 246                      | M2101.11              | Used materials                                 | N                | IMC section 1202.2 does allow the use of used materials | N                               | N           | CCP to copy requirements in IMC Section 1202.2                          |  |                     |          |
| 247                      | M2101.12              | Material rating                                | N                | Similar language in IMC sections 1202.3 and 1209        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 248                      | M2101.13              | Joints and connections                         | N                | Similar language in IMC sections 1203.1 and 1209        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 249                      | M2101.13.1            | Joints between different piping materials      | N                | Similar language in IMC section 1203.1.1                | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 250                      | M2101.14              | Preparation of pipe ends                       | N                | Similar language in IMC section 1203.2                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 251                      | M2101.15              | Joint preparation and installation             | N                | Similar language in IMC section 1203.3                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 252                      | M2101.15.1            | Mechanical joints                              | N                | Similar language in IMC section 1203.3.2                | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 253                      | M2101.15.1.2          | Thermoplastic-welded joints                    | N                | No similar language                                     | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 254                      | M2101.16              | CPVC plastic pipe                              |                  | Similar language in IMC section 1203.7                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 255                      | M2101.16.1            | Threaded joints                                | N                | Similar language in IMC section 1203.3.5                | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 256                      | M2101.17              | Cross-linked polyethylene (PEX) plastic tubing | N                | Similar language in IMC section 1203.9                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 257                      | M2101.17.1            | Compression-type fittings                      | N                | Similar language in IMC section 1203.9.1                | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 258                      | M1207.17.2            | Plastic-to-metal                               | N                | Similar language in IMC section 1203.9.2                | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |

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|                          |                       |  | Y or N           |   | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |
| 259                      | M2101.18              | Polyethylene plastic pipe and tubing                   | N                | Similar language in IMC section 1210.6.6  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 260                      | M2101.18.1            | Heat-fusion joints                                     | N                | Similar language in IMC section 1210.6.6.1  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 261                      | M2101.18.2            | Electrofusion joints                                   | N                | Similar language in IMC section 1210.6.6.2  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 262                      | M2101.18.3            | Stab-type insert fittings                              | N                | Similar language in IMC section 1210.6.6.3  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 263                      | M2101.19              | Polypropylene (PP) plastic                             | N                | Similar language in IMC section 1210.6.7  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 264                      | M2101.19.1            | Heat-fusion joints                                     | N                | Similar language in IMC section 1210.6.7.1  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 265                      | M2101.19.2            | Mechanical and compression sleeve joints               | N                | Similar language in IMC section 1210.6.7.2  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 266                      | M2101.20              | Raised temperature polyethylene (PE-RT) plastic tubing | N                | Similar language in IMC section 1210.6.8  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 267                      | M2101.20.1            | Compression-type fittings                              | N                | Similar language in IMC section 1210.6.8.1  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 268                      | M2101.20.2            | PE-RT-to-metal connections                             | N                | Similar language in IMC section 1210.6.8.2  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 269                      | M2101.20.3            | Heat-fusion joints                                     | N                | No similar language in IMC for PE-RT piping. Similar language in IMC section 1210.6.6.1 | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 270                      | M2101.20.4            | Electrofusion joints                                   | N                | No similar language in IMC for PE-RT piping. Similar language in IMC section 1210.6.6.2 | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 271                      | M2101.21              | PVC plastic pipe                                       | N                | Similar language in IMC section 1210.6.9  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 271a                     | M2101.22              | Shutoff valves   | N                | Similar language in IMC section 1210.7  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 272                      | M2101.22.1            | Heat exchangers  | N                | Similar language in IMC section 1210.7.1  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 273                      | M2101.22.2            | Central systems  | N                | Similar language in IMC section 1210.7.2  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 274                      | M2101.22.3            | Pressure vessels                                       | N                | Similar language in IMC section 1210.7.3  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |



# Changes in the 2024 International Residential Code

## Chapter 1309 TAG Review Worksheet

| To be completed by Chair |                       |  |                  |  |                                 |             |   | To be completed by TAG members                           |                     |          |
|--------------------------|-----------------------|--|------------------|--|---------------------------------|-------------|---|--|---------------------|----------|
| Item No.                 | 2024 IRC Code Section | Subject                                    | Current MN Amend | Description of Change  | Safety & Health Value           | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Comments |
|                          |                       |  | Y or N           |  | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |
| 275                      | M2101.22.4            | Pressure-reducing valves                   | N                | Similar language in IMC section 1210.7.4                             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 276                      | M2101.22.5            | Equipment and appliances                   | N                | Similar language in IMC section 1210.7.5                             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 277                      | M2101.22.6            | Expansion tanks                            | N                | Similar language in IMC section 1210.7.6                             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 278                      | M2101.23              | Reduced pressure                           |                  | Similar language in IMC section 1210.7.7                             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 279                      | M2101.24              | Installation                               | N                | Similar language in IMC section 1210.8                               | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 280                      | M2101.25              | Protection of potable water                | N                | Similar language in IMC section 1210.8.1                             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 281                      | M2101.26              | Pipe penetrations                          | N                | Similar language in IMC section 1210.8.2                             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 282                      | M2101.27              | Clearance from combustibles                | N                | Similar language in IMC section 1210.8.3                             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 283                      | M2101.28              | Contact with building material             |                  | Similar language in IMC section 1210.8.4                             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 284                      | M2101.29              | Strains and stress                         | N                | Similar language in IMC section 1210.8.5                             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 285                      | M2101.29.1            | Flood hazard                               | N                | Similar language in IMC section 1210.8.6                             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 286                      | M2101.30              | Chemical compatibility                     |                  | Similar language in IMC section 1210.8.10                            | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 287                      | M2101.31              | Makeup water                               | N                | Similar language in IMC section 1210.9                               | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 288                      | M2102.1               | Baseboard convectors                       | N                | No similar language found in IMC                                     | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 289                      | Section M2103         | Floor heating systems                      | N                | 2024 IMC Section 1209, Embedded piping has some similar language     | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 290                      | Section M2104         | Low temperature piping                     | N                | 2024 IMC Section 1209, Embedded piping has some similar language     | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 291                      | M2105                 | Ground-source heat-pump system loop piping | N                | 2024 IMC Section 1210 has similar language except for the following: | N                               | N           | CCP to copy requirements in IMC Section 1210                            |  |                     |          |
| 292                      | M2201.1               | Materials                                  | N                | UL listings for oil tanks are referenced in the fire code (IFC)      | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |

## Changes in the 2024 International Residential Code Chapter 1309 TAG Review Worksheet

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| Item No.                 | 2024 IRC Code Section | Subject                      | Current MN Amend | Description of Change   | Safety & Health Value           | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Comments |
|                          |                       |                              | Y or N           |   | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |
| 293                      | M2201.1.2             | Above-ground tanks           | N                | 660 gallons is referenced in 603.3.2.1 of the IFC   | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 294                      | M2201.2.1             | Tanks within buildings       | N                | Allowing tanks within buildings is referenced in IFC 605.4 as referenced in                         | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 295                      | M2201.2.2             | Outdoor above-ground tanks   | N                | No similar language found regarding the 5' property line clearance                                  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 296                      | M2201.3               | Underground tanks            | N                | No similar language found. NFPA 31 has requirements for underground fuel oil                        | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 297                      | M2201.4               | Multiple tanks               | N                | No similar language found.  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 298                      | M2201.5               | Oil gauges                   | N                | Similar language in IMC section 1306.4  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 299                      | M2201.6               | Flood-resistant installation | N                | Similar language in 2024 IMC section M1401.5  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 300                      | M2201.7               | Tanks abandon or removed     | N                | Similar language in IMC section 1301.5  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 301                      | M2202.1               | Materials                    | N                | Similar language in IMC section 1302  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 302                      | M2202.2               | Joints and fittings          | N                | Similar language in IMC section 1303  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 303                      | M2202.3               | Flexible connections         | N                | Similar language in IMC section 1302.8  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 304                      | M2203.1               | General                      | N                | No similar language found.  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 305                      | M2203.2               | Supply piping                | N                | Similar language in IMC section 1305.1  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 306                      | M2203.3               | Fill piping                  | N                | Similar language in IMC section 1305.6 and 1305.7   | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 307                      | M2203.4               | Vent piping                  | N                | Some similar language in IMC section 1305.7   | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 308                      | M2203.5               | Vent termination             | N                | Similar language in IMC section 1305.7  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 309                      | M2203.6               | Cross connection of tanks    | N                | No similar language found. IFC has requirements for fuel oil tanks including allowable storage size | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |

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|                          |                       |                              | Y or N           |  | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |
| 310                      | M2203.7               | Corrosion protection         | N                | No similar language                                | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 311                      | M2204.1               | Pumps                        | N                | Similar language in IMC section 1302.7             | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 312                      | M2204.2               | Shutoff valves               | N                | Similar language in IMC section 1307               | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 313                      | M2204.3               | Maximum pressure             | N                | Chapter 8 of NFPA 31 has the 3 pound requirements  | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 314                      | M2204.4               | Relief valves                | N                | Similar language in IMC sections 1307.4 and 1307.5 | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 315                      | Chapter 23            | Solar thermal energy systems | N                | Similar language in IMC Chapter 14                 | N                               | N           | A, entire chapter should be fine to accept as written                   |  |                     |          |
| 316                      | G2401                 | General                      | N                | Minnesota has scoping amendment                    | N                               | N           | NEED CCP to address to align with 1346.5101                             |  |                     |          |
| 317                      | G2402.1               | Scope                        | N                | Similar language in IFGC 201.1                     | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 318                      | G2402.2               | Interchangeability           | N                | Similar language in IFGC 201.2                     | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 319                      | G2402.3               | Terms defined in other codes | N                | Similar language in IFGC 201.3                     | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 320                      | G2403                 | Approved                     | N                | IFGC has different language                        | N                               | N           | CCP to copy requirements in IFGC  |  |                     |          |
| 321                      | G2403                 | Approved agency              | N                | IFGC has different language                        | N                               | N           | CCP to copy requirements in IMC   |  |                     |          |
| 322                      | G2403                 | Code                         | N                | IFGC has different language                        | N                               | N           | CCP to copy requirements in IFGC  |  |                     |          |
| 323                      | G2403                 | Copper alloy                 | N                | No existing definition in 1346                     | N                               | N           | A, should be fine to leave as written.                                  |  |                     |          |
| 324                      | G2404.11              | Condensate pumps             | N                | Similar language in IFGC 307.6                     | N                               | N           | Deleted in IFGC, CCP needed to delete in IRC                            |  |                     |          |
| 325                      | G2405                 | Structural Safety            | N                | Similar language in IFGC section 302               | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 326                      | G2406.2               | Prohibited locations         | N                | Similar language in IFGC 303.3                     | N                               | N           | CCP to remove items 3 and 4 as found in IFGC 303.3                      |  |                     |          |

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| 327                      | G2407.5,<br>G2407.5.1,<br>G2407.5.2,<br>G2407.5.3,<br>G2407.5.3.1,<br>G2407.5.3.2 | Indoor combustion air                         | N                | Similar language in IFGC 304.5             | N                               | N           | Follow TAGS recommendation for John Smiths CCP to IFGC 304.5            |  |                     |          |  |
| 328                      | G2407.6.  | Outdoor combustion air                        | N                | Similar language in IFGC 304.6             | N                               | N           | Follow TAGS recommendation for John Smiths CCP to IFGC 304.6            |  |                     |          |  |
| 329                      | G2707.7,<br>G2707.7.1,<br>G2707.7.2,  | Combination indoor and outdoor combustion air | N                | Similar language in IFGC 304.7             | N                               | N           | Follow TAGS recommendation for John Smiths CCP to IFGC 304.7            |  |                     |          |  |
| 330                      | G2407.9   | Mechanical combustion air supply              | N                | Similar language in IFGC 304.9             | N                               | N           | Follow TAGS recommendation for John Smiths CCP to IFGC 304.9            |  |                     |          |  |
| 331                      | G2407.10  | Louvers and grilles                           | N                | Similar language in IFGC 304.10            | N                               | N           | Follow TAGS recommendation for John Smiths CCP to IFGC 304.9            |  |                     |          |  |
| 332                      | G2407.11  | Combustion air ducts                          | N                | Similar language in IFGC 304.11            | N                               | N           | Follow TAGS recommendation for John Smiths CCP to IFGC 304.11           |  |                     |          |  |
| 333                      | G2408   | Installation                                  | N                | Similar language found in IFGC Section 305 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 334                      | G2409   | Clearance reduction                           | N                | Similar language found in IFGC Section 308 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 335                      | G2410   | Electrical                                    | N                | Similar language found in IFGC Section 309 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 336                      | G2411   | Electrical bonding                            | N                | Similar language found in IFGC Section 310 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 337                      | G2412   | General                                       | N                | Similar language found in IFGC Section 401 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |

## Changes in the 2024 International Residential Code Chapter 1309 TAG Review Worksheet

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|                          |                       |   | Y or N           |   | N=None L=Low<br>M=Med<br>H=High | Y or N      |  |  |                     |   |
| 338                      | G2413                 | Pipe sizing   | N                | Similar language found in IFGC section 402. Minor changes to tables G2413.4(12) G2413.4(19) G2413.4 (20) minor changes to Section 402.7 | N                               | N           | CCP needed to add Table 402.4 (2)A   |  |                     | CCP needed to add Minnesota amended Table 402.4(2)A Pipe sizing for natural gas |
| 339                      | G2414                 | Piping materials  | N                | Similar language found in IFGC Section 403. Minor changes to Table G2414.8.2, Section G2414.9.5   | N                               | N           | A, entire section should be fine to accept as written  |  |                     |   |
| 340                      | G2415                 | Piping system Installation                                      | N                | Similar language found in IFGC Section 404  | N                               | N           | A, entire section should be fine to accept as written  |  |                     |   |
| 341                      | G2416                 | Piping bends and changes in direction                           | N                | Similar language found in IFGC Section 405  | N                               | N           | A, entire section should be fine to accept as written  |  |                     |   |
| 342                      | G2417                 | Inspection, testing and purging                                 | N                | Similar language found in IFGC Section 406.   | N                               | N           | CCP needed to align IFGC section 406.4 with test duration and test gauges in section G2417.4.1 |  |                     | CCP needed to add Minnesota amended sections 406.4.2 and 406.4.3                |
| 343                      | G2418                 | Drips and slope piping  | N                | Similar language found in IFGC Section 408.   | N                               | N           | A, entire section should be fine to accept as written  |  |                     |   |
| 344                      | G2420                 | Shutoff valves  | N                | Similar language found in IFGC Section 409  | N                               | N           | Table G2420.1 until CCP for 409.1.4 and 409.2 is submitted and approved                        |  |                     | CCP needed to add Minnesota amended sections 409.1.4 and 409.2                  |
| 345                      | G2421                 | Flow controls   | N                | Similar language found in IFGC Section 410  | N                               | N           | A, entire section should be fine to accept as written  |  |                     |   |
| 346                      | G2422                 | Appliance connections   | N                | Similar language found in IFGC Section 411  | N                               | N           | A, entire section should be fine to accept as written  |  |                     |   |
| 347                      | G2423                 | Compressed natural gas motor vehicle fuel-dispensing facilities | N                | G2423 refers to IFC for information.  | N                               | N           | A, entire section should be fine to accept as written  |  |                     |   |
| 348                      | G2424                 | Piping support intervals  | N                | Similar language found in IFGC Section 415  | N                               | N           | A, entire section should be fine to accept as written  |  |                     |   |

## Changes in the 2024 International Residential Code Chapter 1309 TAG Review Worksheet

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| 349                      | G2425                 | General   | N                | Similar language found in IFGC Section 501 | N                               | N           | CCP needed to align G2425.7 with IFGC 501.7 and G2425.8 with IFGC 501.8 |  |                     |          |  |
| 350                      | G2426                 | Vents   | N                | Similar language found in IFGC Section 502 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 351                      | G2427                 | Venting of appliances   | N                | Similar language found in IFGC Section 503 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 352                      | G2428                 | Sizing of category I appliance venting systems                                    | N                | Similar language found in IFGC Section 504 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 353                      | G2429                 | Direct -vent, integral vent, mechanical vent and ventilation/exhaust hood venting | N                | Similar language found in IFGC Section 505 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 354                      | G2430                 | Factory-built chimneys  | N                | Similar language found in IFGC Section 506 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 355                      | G2431                 | General   | N                | Similar language found in IFGC Section 601 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 356                      | G2432                 | Decorative appliances for installation in fireplaces                              | N                | Similar language found in IFGC Section 602 | N                               | N           | CCP needed to align G2432.3 with 1346.5602.3                            |  |                     |          |  |
| 357                      | G2433                 | Log lighters  | N                | Similar language found in IFGC Section 603 | N                               | N           | CCP needed to align G2433.1 with 1346.5603.1                            |  |                     |          |  |
| 358                      | G2434                 | Vented gas fireplaces (decorative appliances)                                     | N                | Similar language found in IFGC Section 604 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 359                      | G2435                 | Vented gas fireplace heaters  | N                | Similar language found in IFGC Section 605 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |
| 360                      | G2436                 | Vented wall furnaces  | N                | Similar language found in IFGC Section 608 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |  |

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| 361                      | G2437                 | Floor furnaces               | N                | Similar language found in IFGC Section 609 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 362                      | G2438                 | Clothes dryers               | N                | Similar language found in IFGC Section 613 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 363                      | G2439                 | Clothes dryer exhaust        | N                | Similar language found in IFGC Section 614 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 364                      | G2440                 | Sauna heaters                | N                | Similar language found in IFGC Section 615 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 365                      | G2441                 | Pool and spa heaters         | N                | Similar language found in IFGC Section 617 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 366                      | G2442                 | Forced air warm-air furnaces | N                | Similar language found in IFGC Section 618 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 367                      | G2443                 | Conversion burners           | N                | Similar language found in IFGC Section 619 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 368                      | G2444                 | Unit heaters                 | N                | Similar language found in IFGC Section 620 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 369                      | G2445                 | Unvented room heaters        | N                | Similar language found in IFGC Section 621 | N                               | N           | CCP needed to follow Minnesota amendment to IFGC 621                    |  |                     |          |
| 370                      | G2446                 | Vented room heaters          | N                | Similar language found in IFGC Section 622 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 371                      | G2447                 | Cooking appliances           | N                | Similar language found in IFGC Section 623 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 372                      | G2448                 | Water heaters                | N                | Similar language found in IFGC Section 624 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |

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| To be completed by Chair |                       |                               |                  |  |                                 |             |   | To be completed by TAG members                           |                     |          |
|--------------------------|-----------------------|-------------------------------|------------------|--|---------------------------------|-------------|---|--|---------------------|----------|
| Item No.                 | 2024 IRC Code Section | Subject                       | Current MN Amend | Description of Change                      | Safety & Health Value           | Cost Impact | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend<br>or Comments | Recommendation<br>A - Accept<br>R - Reject<br>AM - Amend | TAG Group Consensus | Comments |
|                          |                       |                               | Y or N           |  | N=None L=Low<br>M=Med<br>H=High | Y or N      |   |  |                     |          |
| 373                      | G2449                 | Air-conditioning appliances   | N                | Similar language found in IFGC Section 627 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 374                      | G2450                 | Illuminating appliances       | N                | Similar language found in IFGC Section 628 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 375                      | G2451                 | Infrared radiant heaters      | N                | Similar language found in IFGC Section 630 | N                               | N           | CCP needed to allow vented infrared radiant heaters                     |  |                     |          |
| 376                      | G2452                 | Boilers                       | N                | Similar language found in IFGC Section 631 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |
| 377                      | G2453                 | Outdoor decorative appliances | N                | Similar language found in IFGC Section 635 | N                               | N           | A, entire section should be fine to accept as written                   |  |                     |          |