2024 IRC - 1309 TAG REVIEW WORKSHEET

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments	Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
1309 Administrative Provisions (Ch. 1)												
1	1309.0010 subp. 1	NA	NA	adoption of the 2024 IRC	Y	text changes: change references to the 2018 IRC to 2024 IRC. Change copyright 2017 to 2024.	N	N	Accept update to references	A	Y	
2	1309.0010 subp. 1a	NA	NA	deleted appendices	Y	this rule deletes all IRC appendices except Sound Transmission and Tiny Houses. The 2024 IRC makes the following changes to Appendix designations: the 2020 MRC Appendix K is changed in the 2024 IRC to Appendix BG; 2020 MRC Appendix Q is changed in the 2024 IRC to Appendix BB.	N	N	Accept -keep the existing MN. rule text and amend text to update 2020 MRC appendices designations to new 2024 appendices designations	A	Y	Will have opportunity to review appendicies at later time.
3	1309.0010 subp. 2	NA	NA	mandatory chapters	Y	text changes: 2018 IRC is changed to 2024 IRC. Chapters 12 thru 24 are added to the Manditory Chapters. Appendix K is changed to Appendix BG, Appendix Q is changed to Appendix BB.	N	N	Accept - keep exisitng text making changes to update references	A	Y	
4	1309.0010 subp. 3	NA	NA	replacement chatpers	Y	text changes: all references to 2018 IRC are changed to 2024 IRC. Item C is deleted as the menttioned chapter is now a mandatory chapter. Items D and E are renumber to C and D respectively. Item E reference to R314 is chaged to R310 and R315 is changed to R311 as those sections have been renumbered in the 2024 IRC.	N	N	Accept - keep exisitng text making changes to update references	A	Y	
5	1309.0020 subp. 1	NA	NA	references to other codes	Y	text change: reference to the 2018 IRC is changed to 2024 IRC.	N	N	Accept - keep exisitng text making changes to update references	A	Y	
6	1309.0100 subp. 2 exception	NA	NA	existing buildings exception	Y	refernce to section R308 is changed to R324 as the Glazing section has been renumbered in the 2024 IRC.	N	N	Accept - keep existing text making changes to update references	A	Y	
7	1309.0100 subp. 3 Transient use	NA	NA	transient use buildings	Y	Buildings constructed for transient use and required to be licensed by ~~any~~ Minnesota statute 326B ~~state agency~~ shall be constructed in accordance with the requirements for Group R occupancies located in Minnesota Rules, chapter 1305.	N	N	Accept - make text changes to specifically reference 326B statutes rather than any agency's requirements.	A	y	Keeps licensing with DLI & 326B
1309 Ch. 2 - Definitions												
1	Chapter 2 - User Notes	Chapter 2 - User Notes	Chapter 2 - User Notes	Code Development Reminder	N	2020: *See page iv for explanation.* Actual information shown on page vi. 2021/2024: Code development committees listed in User Notes	N	N	A	A	Y	
2	R201.4	R201.4	R201.4	Terms not defined	Y	2020: Where terms are not defined through the methods authorized by this chapter, the MerriamWebster Collegiate Dictionary, available at www.m-w.com, shall be considered as providing ordinarily accepted meanings. The dictionary is incorporated by reference, is subject to frequent change, and is available through the Minitex interlibrary loan system. 2021/2024: Where terms are not defined through the methods authorized by this section, such terms shall have ordinarily accepted meanings such as the context implies.	H	H	AM - Keep 2020	A	Y	follow Ch. 1300 and other code chapterscontext that pertains

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3	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Above-Grade Wall.	N/A	N/A	Energy		A	Y	keep as written allow 1322 to address
4	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [RB] Access (To). That which enables a device, an appliance or equipment to be reached by ready access or by a means that first requires the removal or movement of a panel, door or similar obstruction. 2024: [RB] Access (To). That which enables a device, an appliance or equipment to be reached by ready access or by a means that first requires the removal or movement of a panel, door or similar obstruction. For the definition applicable in Chapter 11, see Section N1101.6. For the definition applicable in Chapter 24, see Section G2403.	L	L	Referenced sections to track. For remainder of worksheet - 2024 listed if only change is reference to other sections.		A	Y	keep as written allow other TAGs to address
5	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [RB] Accessory Structure. A structure that is accessory to and incidental to that of the dwelling(s) and that is located on the same lot. 2024: [RB] Accessory Structure. A structure that is accessory to and incidental to that of the dwelling(s) or townhouse(s) and that is located on the same lot.	L	L	A		A	Y	
6	Section R202	Section R202	Section R202	Definitions	N	2024: [RB] Addition. An extension or increase in floor area, number of stories or height of a building or structure. For the definition applicable in Chapter 11, see Section N1101.6.	L	L	Referenced sections to track.		A	Y	
7	N/A	N/A	Section R202	Definitions	N	2024: [MP] Air, Exhaust. Air, Makeup. Air, Outdoor. Air, Transfer.	N/A	N/A	Plbg/Mech		A	Y	Keep as written; ALIGN with energy TAG for openings created by Mechanical **MECH TAG: accept as written**
8	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Air Admittance Valve.	N/A	N/A	Plbg/Mech		AM to DELET	Y	Let 4714 define
9	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Air Barrier.	N/A	N/A	Energy		A	Y	accept as written and let Energy TAG take over
10	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Air Break (Drainage System). Air Circulation, Forced.	N/A	N/A	Plbg/Mech		AM TABLE	y	DELETE: Air Break TABLE: Pending MECH TAG to define Air Circulation **MECH TAG: accept as written**
11	N/A	N/A	Section R202	Definitions	N	2024: [MP] Air Conditioner, Gas-Fired. Air Conditioning.	N/A	N/A	Plbg/Mech		A	Y	Chris: no conflict with 1346 definition
12	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Air Gap, Drainage System. Air Gap, Water-Distribution System. Air-Conditioning System.	N/A	N/A	Plbg/Mech		AM to DELET Accept 2nd 1/2	Y	DELETE all except Air Conditioning System definintion which is Accepted as written
13	N/A	N/A	Section R202	Definitions	N	2024: [MP] Air-Handling Unit.	N/A	N/A	Plbg/Mech		A	Y	accept as written and let Energy TAG take over
14	Section R202	Section R202	Section R202	Definitions	N	2024: [RB] Air-Impermeable Insulation. An insulation having an air permanence equal to or less than 0.02 L/s-m2 at 75 Pa pressure differential as tested in accordance with ASTM E283 or E2178. For the definition applicable in Chapter 11, see Section N1101.6.	L	L	Referenced sections to track.		A	Y	Accept as written Steve Shold: 1322 and other TAGs will review

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15	Section R202	Section R202	Section R202	Definitions	N	2024: [RB] Alteration. Any construction, retrofit or renovation to an existing structure other than repair or addition that requires a permit. Also, a change in a building, electrical, gas, mechanical or plumbing system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit. For the definition applicable in Chapter 11, see Section N1101.6. For the definition applicable in Chapter 24, see Section G2403.	L	L	Referenced sections to track.		A	Y	Accept as written
16	N/A	N/A	Section R202	Definitions	N	2024: [MP] Anodeless Riser.	N/A	N/A	Plbg/Mech		A	Y	Accept as written
17	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Antisiphon.	N/A	N/A	Plbg/Mech		AM to Delete	Y	4714 will define and provide code
18	Section R202	Section R202	Section R202	Definitions	N	2020: [MP] Appliance. A device or apparatus that is manufactured and designed to utilize energy. 2024: [MP] Appliance. A device or apparatus that is manufactured and designed to utilize energy and for which this code provides specific requirements. For the definition applicable in Chapter 24, see Section G2403.	L	L	A Referenced sections to track.		A	Y	accept as written
19	N/A	N/A	Section R202	Definitions	N	2024: [MP] Appliance, Automatically Controled. Appliance, Fan-Assisted Combustion. Appliance, Unvented. Appliance, Vented.	N/A	N/A	Plbg/Mech		A	Y	Accept as written
20	Section R202	Section R202	Section R202	Definitions	Y	2020: [RB] Approved. “Approved” means approval by the building official, pursuant to the Minnesota State Building Code, by reason of: a. inspection, investigation, or testing; b. accepted principles; c. computer simulations; d. research reports; or e.testing performed by either a licensed engineer or by a locally or nationally recognized testing laboratory. 2021: [RB] Approved. Acceptable to the building official. 2024: [RB] Approved. Acceptable to the building official. For the definition applicable in Chapter 24, see Section G2403.	H	H	AM - Keep 2020		AM	Y	Keep Minnesota Amendment keeps Mn. Clarity as in other chapters
21	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [RB] Approved Agency. An established and recognized agency that is regularly engaged in conducting tests, furnishing inspection services or furnishing product certification, and has been approved by the building official. 2024: [RB] Approved Agency. An established and recognized organization that is regularly engaged in conducting tests, furnishing inspection services or furnishing product evaluation or certification where such organization has been approved. For the definition applicable in Chapter 24, see Section G2403.	H	H	A Referenced sections to track.		A	Y	Accept as written
22	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Approved Source. An independent person, firm or corporation, approved by the building official, who is competent and experienced in the application of engineering principles to materials, methods or systems analyses. For the definition applicable in Chapter 11, see Section N1101.6.	H	H	A Referenced sections to track.		A	Y	TABLE: 1305 may change and will let us know **Adopt 1305 language**

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23	N/A	N/A	Section R202	Definitions	N	2024: [MP] Atmospheric Pressure.	N/A	N/A	Plbg/Mech		A	Y	Accept as written, Refers to Ch. 24 which is now an Adopted Chapter
24	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Automatic.	N/A	N/A	Energy		A	Y	Accept as written, Refers to Ch. 24 which is now an Adopted Chapter
25	N/A	N/A	Section R202	Definitions	N	2024: [MP] Automatic Ignition. Automatic Shutoff Control.	N/A	N/A	Plbg/Mech		A	Y	Accept as written, Refers to Ch. 24 which is now an Adopted Chapter
26	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Backflow, Drainage. Backflow, Water Distribution. Backflow Preventer. Backflow Preventer, Reduced-Pressure-Zone Type. Backpressure, Low Head. Backsiphonage. Backwater Valve.	N/A	N/A	Plbg/Mech		AM to delete	Y	Delete and defer to 4714 Plbg. Code
27	N/A	Section R202	N/A	Definitions	N	2021: [MP] Balanced Ventilation	N/A	N/A	Plbg/Mech		N/A	Y	appeared in 21 IRC and disappeared in 24
28	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Balanced Ventilation System.	N/A	N/A	Plbg/Mech		A	Y	accept as written but verify if 1322 TAG concurrs **2/25/25 1322: accept as written**
29	N/A	N/A	Section R202	Definitions	N	2024: [MP] Barometric Draft Regulator.	N/A	N/A	Plbg/Mech		A	Y	references to new adopted Chapters
30	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [RB] Basic Wind Speed. Three-second gust speed at 33 feet (10 058 mm) above the ground in Exposure C (see Section R301.2.1) as given in Figure R301.2(5)A. 2024: [RB] Basic Wind Speed. Three-second gust speed at 33 feet (10 058 mm) above the ground in Exposure C (see Section R301.2.1) as given in Figure R301.2(2)	H	H	A		A	Y	RENUMBERED ONLY
31	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Bathroom Group. Bend.	N/A	N/A	Plbg/Mech		AM to delete	Y	defer to 4714
32	N/A	N/A	Section R202	Definitions	N	2024: [RE] Biodiesel Blend.	N/A	N/A	Energy		A	Y	references new adopted chapters
33	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Boiler.	N/A	N/A	Plbg/Mech		~~A~~	Y	Pending consideration with Mech. TAG **MECH TAG: accept as written**
34	N/A	N/A	Section R202	Definitions	N	2024: [MP] Boiler, Low-Pressure.	N/A	N/A	Plbg/Mech		A	Y	references new adopted chapters
35	Section R202	N/A	N/A	Definitions	N	2020: [RB] Battery System, Stationary Storage. A rechargeable energy storage system consisting of electrochemical storage batteries, battery chargers, controls and associated electrical equipment designed to provide electrical power to a building. The system is typically used to provide standby or emergency power, an uninterruptable power supply, load shedding, load sharing or similar capabilities.	M	M	A		N/A	Y	Not in 24 IRC Electrical Code will address
36	N/A	N/A	Section R202	Definitions	N	2024: [MP] Bonding Jumper. Brazing.	N/A	N/A	Plbg/Mech		A	Y	references new adopted chapters
37	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Branch. Branch, Fixture. Branch, Horizontal. Branch, Main. Branch, Vent. Branch Interval. BTU. BTU/H.	N/A	N/A	Plbg/Mech		A	Y	Delete all except: 'BTU' TABLE 'BTU/H pending MECH TAG review **MECH TAG: accept as written**

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38	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Building. Any one- or two-family dwelling or portion thereof, including townhouses, used or intended to be used for human habitation, for living, sleeping, cooking or eating purposes, or any combination thereof, or any accessory structure. 2021/2024: [RB] Building. Any one- or two-family dwelling or townhouse, or portion thereof, used or intended to be used for human habitation, for living, sleeping, cooking or eating purposes, or any combination thereof, or any accessory structure. For the definition applicable in Chapter 11, see Section N1101.6.	L	L	A Referenced sections to track.		A	Y	Accept as written
39	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [RB] Building, Existing. Existing building is a building erected prior to the adoption of this code, or one for which a legal building permit has been issued. 2024: [RB] Existing Building. Existing building is a ...	M	M	A		A	Y	Accept as written
40	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Building Drain.	N/A	N/A	Plbg/Mech		AM to delete	Y	defer to 4714
41	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Building Official. The officer or other designated authority charged with the administration and enforcement of this code, or a duly authorized representative. For the definition applicable in Chapter 11, see Section N1101.6.	L	L	A Referenced sections to track.		A	Y	accept as written
42	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Building Sewer.	N/A	N/A	Plbg/Mech		AM to delete	Y	defer to 4714
43	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Building Site. Building Thermal Envelope.	N/A	N/A	Energy		A	Y	references Ch. 11
44	Section R202	Section R202	N/A	Definitions	N	2020/2021: [RB] Building-Integrated Photovoltaic Product. A building product that incorporates photovoltaic modules and functions as a component of the building envelope.	L	L	Replaced by item ~~#69~~ 48		N/A	Y	See line item #48
45	N/A	N/A	Section R202	Definitions	N	2024: [RB] Building-Integrated Photovoltaic (BIPV) Roof Covering. A BIPV system that also functions as a roof covering. Coverings include, but are not limited to, shingles, tiles and roof panels.	L	L	A		A	Y	
46	Section R202	Section R202	N/A	Definitions	N	2020/2021: [RB] Building-Integrated Photovoltaic Roof Panel (BIPV Roof Panel). A photovoltaic panel that functions as a component of the building envelope.	L	L	Replaced by item ~~#68~~ 47		N/A	Y	
47	Section R202	Section R202	Section R202	Definitions	N	2024: [RB] Building-Integrated Photovoltaic (BIPV) Roof Panel. A photovoltaic panel that functions as a component of the building envelope.	L	L	A		A	Y	Accept as written
48	N/A	N/A	Section R202	Definitions	N	2024: [RB] Building-Integrated Photovoltaic (BIPV) System. A building system that incorporates photovoltaic modules and functions as an integral part of the building envelope, such as roof assemblies and roof coverings, exterior wall envelopes and exterior wall coverings, and fenestration.	L	L	A		A	Y	this item replaced line item #48
49	N/A	N/A	Section R202	Definitions	N	2024: [MP] Burner.	N/A	N/A	Plbg/Mech		A	Y	references Ch. 24
50	N/A	N/A	Section R202	Definitions	N	2024: [RE] Cavity Insulation.	N/A	N/A	Energy		A	Y	references Ch. 11

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51	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Cement Plaster. A mixture of Portland or blended cement, Portland cement or blended cement and hydrated lime, masonry cement or plastic cement and aggregate and other approved materials as specified in this code.	L	L	A	N/A	y	
52	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [MP] Chimney. A primary vertical structure containing one or more flues, for the purpose of carrying gaseous products of combustion and air from a fuel-burning appliance to the outside atmosphere. For the definition applicable in Chapter 24, see Section G2403. Factory-built chimney. For the definition applicable in Chapter 24, see Section G2403. Masonry chimney. For the definition applicable in Chapter 24, see Section G2403.	N/A	N/A	Plbg/Mech	A	Y	references Ch. 24
53	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Chimney Connector. Chimney Types. Circuit Vent. Circulating Hot Water System. Cleanout.	N/A	N/A	Plbg/Mech	A	Y	Accept: Chimney connector, circulating Hot Water system. Delete: Circuit Vent., Cleanout. TABLE: Chimney types, pending MECH TAG review **MECH TAG: accept as written**
54	N/A	N/A	Section R202	Definitions	N	2024: [MP] Clearance. Clothes Dryer.	N/A	N/A	Plbg/Mech	A	Y	
55	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Climate Zone.	N/A	N/A	Energy	A	Y	references Ch. 11
56	Section R202	N/A	Section R202	Definitions	Y	2020: Code. For purposes of this chapter, “the code” or “this code” means the Minnesota Residential Code, Minnesota Rules, Chapter 1309. 2024: [MP] Code. For the definition applicable in Chapter 24, see Section G2403.	H	H	AM - Keep 2020	AM	Y	amend to keep 2020 definition may need CCP? **NO CCP nedded STAFF will address**
57	N/A	N/A	Section R202	Definitions	N	2024: [MP] Code Official.	N/A	N/A	Plbg/Mech	A	Y	does not conflict with MN B.O. definition
58	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Collection Pipe. Combination Waste and Vent System.	N/A	N/A	Plbg/Mech	AM to delete	Y	defer to 4714
59	N/A	N/A	Section R202	Definitions	N	2024: [MP] Combustible Assembly.	N/A	N/A	Plbg/Mech	A	Y	
60	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Combustible Material. Any material not defined as noncombustible. For the definition applicable in Chapter 24, see Section G2403.	M	M	A Referenced sections to track.	A	Y	
61	N/A	N/A	Section R202	Definitions	N	2024: [MP] Combustion. Combustion Chamber. Combustion Products. Concealed Location. Concealed Piping. Connector, Appliance (Fuel). Connector, Chimney or Vent.	N/A	N/A	Plbg/Mech	A	Y	references Ch. 24
62	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Combustion Air. Common Vent. Condensate. Condensing Appliance.	N/A	N/A	Plbg/Mech	A	Y	Delete: Common vent TABLE: the rest pending MECH TAG **MECH TAG: accept as written**
63	N/A	N/A	Section R202	Definitions	N	2024: [RE] Common Areas. Conditioned Floor Area. Conditioned Space.	N/A	N/A	Energy	A	Y	references Ch. 11

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64	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Construction Documents. Written, graphic and pictorial documents prepared or assembled for describing the design, location and physical characteristics of the elements of a project necessary for obtaining a building permit. Construction drawings shall be drawn to an appropriate scale. For the definition applicable in Chapter 11, see Section N1101.6.	H	H	A Referenced sections to track.		A	Y	
65	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Contamination. Continuous Waste. Control, Limit. Control, Primary Safety. Convector.	N/A	N/A	Plbg/Mech		A	Y	Delete: Contamination. Continuous Waste TABLE: Control, Limit. Control, Primary Safety. Convector. **MECH TAG: accept as written**
66	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Continuous Air Barrier. Continuous Insulation (ci).	N/A	N/A	Energy		A	Y	references Ch. 11
67	N/A	N/A	Section R202	Definitions	N	2024: [RE] Continuous Pilot.	N/A	N/A	Energy		A	Y	references Ch. 11
68	N/A	N/A	Section R202	Definitions	N	2024: [MP] Control. Conversion Burner. Copper Alloy.	N/A	N/A	Plbg/Mech		A	Y	references Ch. 24
69	Section R202	Section R202	Section R202	Definitions	Y	2020: [RB] Crawl Space. Areas or rooms with less than 6 feet 4 inches (1931 mm) ceiling height measured to the finished floor or grade below. 2021/2024: [RB] Crawl Space. An underfloor space that is not a basement.	H	H	AM - Keep 2020		A	Y	Pending review of R313 & R408 **1309 TAG: CONSENSUS to keep MN amendment**
70	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Crawl Space Wall. Curtain Wall.	N/A	N/A	Energy		A	Y	references Ch. 11
71	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Cripple Wall Clear Height. The vertical height of a cripple wall from the top of the foundation to the underside of floor framing above.	M	M	A		A	Y	
72	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Cross Connection. Damper, Volume.	N/A	N/A	Plbg/Mech		A	Y	Delete: Cross connection TABLE: Damper, Volume for MECH TAG **MECH TAG: accept as written**
73	N/A	N/A	Section R202	Definitions	N	2024: [MP] Cubic Foot. Damper. Decorative Appliance, Vented. Decorative Appliances For Installation In Vented Fireplaces.	N/A	N/A	Plbg/Mech		A	Y	references Ch. 24
74	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [RB] Decorative Glass. A carved, leaded or Dalle glass or glazing material with a purpose that is decorative or artistic, not functional; with coloring, texture or other design qualities or components that cannot be removed without destroying the glazing material; and with a surface, or assembly into which it is incorporated, that is divided into segments. 2024: [RB] Decorative Glazing. A carved, leaded or Dalle glass or glazing material with a purpose that is decorative or artistic, not functional; with coloring, texture or other design qualities or components that cannot be removed without destroying the glazing material; and with a surface, or assembly into which it is incorporated, that is divided into segments.	L	L	A		A	Y	
75	N/A	N/A	Section R202	Definitions	N	2024: [MP] Demand. Design Flood Elevation.	N/A	N/A	Plbg/Mech		A	Y	references Ch. 24
76	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Demand Recirculation Water System. Duct.	N/A	N/A	Energy		A	Y	references Ch. 11

To be completed by Chair											To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
77	N/A	N/A	Section R202	Definitions	N	2024: [RE] Demand Response Signal. Demand Responsive Control.	N/A	N/A	Energy		A	Y	references Ch. 11
78	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [MP] Design Professional. See “Registered design professional.” 2024:[RB] Design Professional. See “Registered design professional.”	L	L	A		A	Y	
79	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Developed Length. Dilution Air. Direct System. Direct-Vent Appliance. Draft. Draft Hood. Draft Regulator. Drain. Drainage Fitting. Drain-Back System.	N/A	N/A	Plbg/Mech		A	Y	Accept: Dilution Air. Direct System. Direct-Vent Appliance. Draft. Draft Hood. Draft Regulator Delete: Developed Length,Drain. Drainage Fitting TABLE: Drain-Back System, pending MECH TAG review **MECH TAG: accept as written**
80	N/A	N/A	Section R202	Definitions	N	2024: [RE] Dimmer. Distribution System Efficiency (DSE). Duct Airflow Balancing. Ductwork.	N/A	N/A	Energy		A	Y	References Ch. 11
81	N/A	N/A	Section R202	Definitions	N	2024: [MP] Drip. Duct Furnace. Duct System.	N/A	N/A	Plbg/Mech		A	Y	references Ch. 24
82	Section R202	Section R202	Section R202	Definitions	Y	2020: [RB] Dwelling. SINGLE-FAMILY. Any building that contains one dwelling unit used, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or occupied for living purposes. TWO-FAMILY. Any building that contains two separate dwelling units with separation either horizontal or vertical on one lot that is used, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or occupied for living purposes. TOWNHOUSE. A single-family dwelling unit constructed in a group of two or more attached units in which each unit extends from the foundation to the roof and having open space on at least two sides of each unit. Each single-family dwelling unit shall be considered to be a separate building. Separate building service utilities shall be provided to each single-family dwelling unit when required by other chapters of the State Building Code. 2021/2024: [RB] Dwelling. Any building that contains one or two dwelling units used, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or that are occupied for living purposes.	H	H	AM - Keep 2020		A		TABLE to coordinate definitions with Ch 1300 and Ch. 1305 pending their TAG reviews. **2/25/25 Keep MN Amendment** **Staff will coordinate 1300 and 1305 changes.**
83	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Dwelling Unit. A single unit providing complete independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation. For the definition applicable in Chapter 11, see Section N1101.6. For the definition applicable in Chapter 24, see Section G2403.	L	L	A Referenced sections to track.		A	Y	
84	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] DWV. Effective Opening. Elbow	N/A	N/A	Plbg/Mech		AM DELETE	Y	

To be completed by Chair											To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
85	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Emergency Escape and Rescue Opening. An operable exterior window, door or other similar device that provides for a means of escape and access for rescue in the event of an emergency. (See also "Grade floor emergency escape and rescue opening.")	H	L	A		A	Y	
86	N/A	N/A	Section R202	Definitions	N	2024: [RE] Emittance. Enclosed Reflective Air Space. Energy Rating Index (ERI).	N/A	N/A	Energy		A	Y	
87	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Energy Analysis. Energy Cost. Energy Simulation Tool.	N/A	N/A	Energy		A	Y	
88	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Energy Storage Systems (ESS). One device or multiple devices, assembled together, capable of storing electrical energy to be supplied at a future time.	M	M	A		A	Y	
89	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Equipment. Equivalent Length. Essentially Nontoxic Transfer Fluids. Essentially Toxic Transfer Fluids. Evaporative Cooler. Excess Air. Exhaust Hood, Full Opening. Existing Installations.	N/A	N/A	Plbg/Mech		DELETE - Equivalent Length Existing Installation	Y	
90	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] ERI Reference Design.	N/A	N/A	Energy		A	Y	
91	N/A	N/A	Section R202	Definitions	N	2024: [MP] Excess Flow Valve (EFV). Exterior Masonry Chimney.	N/A	N/A	Plbg/Mech		A	Y	
92	N/A	N/A	Section R202	Definitions	N	2024: [RB] Existing Building. Existing building is a building erected prior to the adoption of this code, or one for which a legal building permit has been issued. For the definition applicable in Chapter 11, see Section N1101.6.	M	M	A		A	Y	check with 1311 TAG to compare definitions Delete: Adoption, Effective Date **2/25/25 accept as written; 1311 does not address 1309 buildings**
93	N/A	N/A	Section R202	Definitions	N	2024: [RB] Exterior Soffit. A material or assembly of materials applied on the underside of exterior overhangs and attached carport and porch ceilings.	L	L	A		A	Y	
94	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Exterior Wall. An above-grade wall that defines the exterior boundaries of a building. Includes between-floor spandrels, peripheral edges of floors, roof and basement knee walls, dormer walls, gable end walls, gable end roof trusses, walls enclosing a mansard roof and basement walls with an average below-grade wall area that is less than 50 percent of the total opaque and nonopaque area of that enclosing side. For the definition applicable in Chapter 11, see Section N1101.6.	M	H	A		A	Y	
95	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Exterior Wall Covering. A material or assembly of materials applied on the exterior side of exterior walls for the purpose of providing a weather-resistive barrier, insulation or for aesthetics, including but not limited to, veneers, siding, exterior insulation and finish systems, architectural trim and embellishments such as cornices., ~~soffits, and fascias.~~	L	L	A		A	Y	
96	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Factory-Made Air Duct.	N/A	N/A	Plbg/Mech		A	Y	

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
97	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RE] Fenestration. Products classified as either vertical fenestration or skylights and sloped glazing, installed in such a manner as to preserve the weather-resistant barrier of the wall or roof in which they are installed. Fenestration includes products with glass or other transparent or translucent materials. For the definition applicable in Chapter 11, see Section N1101.6.	L	L	A Referenced sections to track.		A	Y	
98	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RE] Fenestration, Vertical. Windows that are fixed or movable, opaque doors, glazed doors, glazed block and combination opaque and glazed doors installed in a wall at less than 15-degrees (0.26 rad) from vertical. For the definition applicable in Chapter 11, see Section N1101.6 under "Fenestration."	L	L	A Referenced sections to track.		A	Y	
99	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Fenestration Product, Site-Built.	N/A	N/A	Energy		A	Y	
100	N/A	N/A	Section R202	Definitions	N	2024: [RE] F-Factor (Thermal Transmittance).	N/A	N/A	Energy		A	Y	
101	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Fire Separation Distance. The distance measured from the building face to one of the following: 1.To the closest interior lot line. 2.To the centerline of a street, an alley or public way. 3.To an imaginary line between two buildings or townhouse unts on the lot. The distance shall be measured at a right angle from the face of the wall.	M	M	A		A	Y	
102	Section R202	Section R202	Section R202	Definitions	N	2020/2024: [RB] Fireplace. An assembly consisting of a hearth and fire chamber of noncombustible material and provided with a chimney, for use with solid fuels. For the definition applicable in Chapter 24, see Section G2403. Factory-built fireplace. A listed and labeled fireplace and chimney system composed of factory-made components, and assembled in the field in accordance with manufacturer's instructions and the conditions of the listing. For the definition applicable in Chapter 24, see Section G2403. Masonry fireplace. A field-constructed fireplace composed of solid masonry units, bricks, stones or concrete. For the definition applicable in Chapter 24, see Section G2403. 2021: [RB] Fireplace. An assembly consisting of a hearth and fire chamber of noncombustible material and provided with a chimney, for use with solid fuels.	M	M	A Referenced sections to track.		A	Y	
103	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Fireplace Stove.	N/A	N/A	Plbg/Mech		A	Y	

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104	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Fire-Retardant-Treated Wood. Pressure-treated lumber and plywood that exhibit reduced surface burning characteristics and resist propagation of fire. Other means during manufacture. A process where the wood raw material is treated with a fire-retardant formulation while undergoing creation as a finished product. Pressure process. A process for treating wood using an initial vacuum followed by the introduction of pressure above atmospheric. 2021: [RB] Fire-Retardant-Treated Wood. Wood products that, when impregnated with chemicals by a pressure process or other means during manufacture, exhibit reduced surface burning characteristics and resist propagation of fire. Other means during manufacture. A process where the wood raw material is treated with a fire-retardant formulation while undergoing creation as a finished product. Pressure process. A process for treating wood using an initial vacuum followed by the introduction of pressure above atmospheric. 2024: [RB] Fire-Retardant-Treated Wood. Wood products that, when impregnated with chemicals by a pressure process or other means during manufacture, exhibit reduced surface burning characteristics and resist propagation of fire.	M	L	A		A	Y	
105	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Fixture. Fixture Branch, Drainage. Fixture Branch, Water-Supply. Fixture Drain. Fixture Fitting. Fixture Group, Main. Fixture Supply. Fixture Unit, Drainage (d.f.u.). Fixture Unit, Water-Supply (w.s.f.u.).	N/A	N/A	Plbg/Mech		AM - DELETE	Y	ALL IN 4714
106	N/A	N/A	Section R202	Definitions	N	2024: [MP] Flame Safeguard.	N/A	N/A	Plbg/Mech		A	Y	
107	Section R202	N/A	N/A	Definitions	Y	2020: Flashing. Approved corrosion-resistive material provided in such a manner as to deflect and resist entry of water into the construction assembly.	M	H	AM - Keep 2020		REJECT	Y	Repeal the amendment 703.4 handles it
108	N/A	N/A	Section R202	Definitions	N	2024: [MP] Flashback Arrestor Check Valve. Flood Hazard Area.	N/A	N/A	Plbg/Mech		A	Y	
109	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Flexible Air Connector. Flood-Level Rim.	N/A	N/A	Plbg/Mech		A AM	Y	DELETE: Flood-Level Rim, IN 4714
110	Section R202	N/A	N/A	Definitions	Y	2020: Floor Area. The calculated square footage of the floor within the inside perimeter of the exterior walls of the building under consideration without deduction for hallways, stairways, closets, the thickness of interior walls, columns, or other features.	L	M	AM - Keep 2020		A - POLL	Y	members discussed, poll to Reject or Keep poll concensus to keep
111	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Floor Drain. Floor Furnace. Flow Pressure. Flue, Appliance. Flue Collar. Flue Gases. Flush Valve. Flushometer Tank. Flushometer Valve.	N/A	N/A	Plbg/Mech		A AM	Y	Accept: Floor Furnace,Flue, Appliance. Flue Collar. Flue Gases. Delete: Floor Drain.Flush Valve. Flushometer Tank. Flushometer Valve.
112	N/A	N/A	Section R202	Definitions	N	2024: [MP] Flue Liner (Lining).	N/A	N/A	Plbg/Mech		A	Y	

To be completed by Chair											To be completed by TAG members		
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113	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Fuel Cell Power System, Stationary. A stationary energy generation system that converts the chemical energy of a fuel and oxidant to electric energy (DC or AC electricity) by an electrochemical process. Field-fabricated fuel cell power system. A stationary fuel cell power system that is assembled at the job site and is not a preengineered or prepackaged factory-assembled fuel cell power system. Preengineered fuel cell power system. A stationary fuel cell power system consisting of components and modules that are produced in a factory, and shipped to the jobsite for assembly. Prepackaged fuel cell power system. A stationary fuel cell power system that is factory assembled as a single, compete unit and shipped as a complete unit for installation at the job site.	M	M	A		A	Y	
114	N/A	N/A	Section R202	Definitions	N	2024: [MP] Fuel Gas. Furnace, Central. Furnace Plenum. Gas Convenience Outlet. Gas Piping.	N/A	N/A	Plbg/Mech		A	Y	
115	N/A	N/A	Section R202	Definitions	N	2024: [RE] Fuel Oil.	N/A	N/A	Energy		A	Y	
116	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Fuel-Piping System. Full-Open Valve. Fullway Valve. Furnace.	N/A	N/A	Plbg/Mech		A AM	Y	DELETE: Full-Open Valve. Fullway Valve
117	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Glass Mat Gypsum Panel. A gypsum panel consisting of a noncombustible core primarily of gypsum, surfaced with glass mat partially or completely embedded in the core.	M	M	A		A	Y	
118	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Grade Floor Opening. A window or other opening located such that the sill height of the opening is not more than 44 inches (1118 mm) above or below the finished ground level adjacent to the opening. (See also "Emergency escape and rescue opening.") 2021/2024: [RB] Grade Floor Emergency Escape and Rescue Opening. An emergency escape and rescue opening located such that the bottom of the clear opening is not more than 44 inches (1118 mm) above or below the finished ground level adjacent to the opening. (See also "Emergency escape and rescue opening.")	H	H	A		A	Y	
119	Section R202	Section R202	Section R202	Definitions	N	2024: [RB] Grade Plane. A reference plane representing the average of the finished ground level adjoining the building at all exterior walls. Where the finished ground level slopes away from the exterior walls, the reference plane shall be established by the lowest points within the area between the building and the lot line or, where the lot line is more than 6 feet (1829 mm) from the building between the structure and a point 6 feet (1829 mm) from the building. For the definition applicable in Chapter 11, see Section N1101.6.	M	M	A Referenced sections to track.		A	Y	
120	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Grade, Piping. Graywater. Gridded Water Distribution System. Ground-Source Heat Pump Loop System.	N/A	N/A	Plbg/Mech		A AM	Y	DELETE: Grade, Piping. Graywater. Gridded Water Distribution System.
121	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Gross Area of Exterior Walls. The normal projection of all exterior walls, including the area of all windows and doors installed therin.	L	M	A		A	Y	

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
122	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [RB] Gypsum Board. The generic name for a family of sheet products consisting of a noncombustible core primarily of gypsum with paper surfacing. Gypsum wallboard, gypsum sheathing, gypsum base for gypsum veneer plaster, exterior gypsum soffit board, predecorated gypsum board and water-resistant gypsum backing board complying with the standards listed in Section R702.3 and Part IX of this code are types of gypsum board. 2024: [RB] Gypsum Board. A type of gypsum panel product consisting of a noncombustible core primarily of gypsum with paper surfacing.	L	L	A		A	Y	
123	Section R202	Section R202	Section R202	Definitions	N	2024: [RB] GYPSUM PANEL PRODUCT. The general name for a family of sheet products consisting essentially of gypsum complying with the standards specified in Section R702.3 and Chapter 44 of this code.	L	L	A Referenced sections to track.		A	Y	
124	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Gypsum Sheathing. Gypsum panel products specifically manufactured with enhanced water resistance for use as a substrate for exterior surface materials.	M	M	A		A	Y	
125	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Gypsum Wallboard. A gypsum board used primarily as interior surfacing for building structures.	M	M	A		A	Y	
126	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Hangers. Hazardous Location. Heat Pump. High-Temperature (H.T.) Chimney.	N/A	N/A	Plbg/Mech		A	Y	
127	N/A	N/A	Section R202	Definitions	N	2024: [RE] Heat Exchanger.	N/A	N/A	Energy		A	Y	
128	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Heated Slab.	N/A	N/A	Energy		A	Y	
129	N/A	Section R202	N/A	Definitions	N	2021: [RE] High-Efficacy Light Sources.	N/A	N/A	Energy		A	Y	
130	Section R202	Section R202	Section R202	Definitions	Y	2020: [RB] Historic Building. A “Historic building” has the meaning given in part 1300.0070, subpart 12a. 2021/2024:[RB] Historic Building. A building or structure that is one or more of the following. 1. Listed, or certified as eligible for listing, by the State Historic Preservation Officer or the Keeper of the National Register of Historic Places in the National Register of Historic Places. 2. Designated as historic under an applicable state or local law. 3. Certified as a contributing resource within a National Register-listed, or a state-designated or locally designated historic district. For the definition applicable in Chapter 11, see Section N1101.6.	M	M	AM - Keep 2020		A	Y	
131	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Horizontal Branch, Drainage. Horizontal Pipe. Hot Water. Hydrogen-Generating Appliance. Ignition Source.	N/A	N/A	Plbg/Mech		A AM	Y	DELETE:Horizontal Branch, Drainage. Horizontal Pipe. Hot Water.
132	N/A	N/A	Section R202	Definitions	N	2024: [MP] Ignition Pilot.	N/A	N/A	Plbg/Mech		A	Y	

To be completed by Chair											To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend	Description of Change	Safety & Health Value	Cost Impact	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus	Comments
					Y or N		N=None, L=Low M=Med, H=High					Y or N	
133	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [RB] Impact Protective System. Construction that has been shown by testing to withstand the impact of test missiles and that is applied, attached, or locked over exterior glazing. 2024: [RB] Impact Protective System. Impact protective systems are defined as follows: 1. Construction that has been shown by testing to withstand the impact of test missiles and that is applied, attached, or locked over exterior glazing. 2. For storm shelters, an assembly or device, subject to static or cyclic pressure and impact testing as detailed in ICC 500, installed to protect an opening in the storm shelter envelope.	H	M	A		A	Y	
134	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Indirect System. Indirect Waste Pipe. Individual Sewage Disposal System. Individual Vent. Individual Water Supply.	N/A	N/A	Plbg/Mech		Accept Delete	Y	Accept: Indirect System Delete: Indirect Waste Pipe. Individual Sewage Disposal System. Individual Vent. Individual Water Supply
135	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Infiltration.	N/A	N/A	Energy		A	Y	
136	N/A	N/A	Section R202	Definitions	N	2024: [MP] Infrared Radiant Heater.	N/A	N/A	Plbg/Mech		A	Y	
137	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Insulating Sheathing. An insulating board having a thermal resistance of not less than R-2 of the core material. 2021/2024: [RB] Insulating Sheathing. A rigid panel or board insulation material having a thermal resistance of not less than R-2 of the core material with properties suitable for use on walls, floors, roofs or foundations. For the definition applicable in Chapter 11, see Section N1101.6.	M	M	A Referenced sections to track.		A	Y	
138	N/A	N/A	Section R202	Definitions	N	2024: [RE] Intermittent Ignition. Interrupted Ignition. Knee Wall.	N/A	N/A	Energy		A	Y	
139	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Intermodal Shipping Container. A six-sided steel unit originally constructed as a general cargo container used for the transport of goods and materials.	M	M	A		A	Y	ACCEPT as written; 1305 deals with this; Ch 3 will deal with this.
140	Section R202	N/A	N/A	Definitions	Y	2020: Kick-Out Flashing. Flashing used to divert water where the lower portion of a sloped roof stops within the plane of an intersecting wall cladding.	M	H	AM - Keep 2020		AM	Y	KEEP MN AMENDMENT
141	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Kitchen. Kitchen shall mean an area used, or designated to be used, for the preparation of food. 2021/2024: [RB] Kitchen. ~~Kitchen shall mean~~ An area used, or designated to be used, for the preparation of food.	L	L	A		A	Y	

To be completed by Chair											To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
142	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Labeled. Equipment, materials or products to which have been affixed a label, seal, symbol or other identifying mark of a nationally recognized testing laboratory, approved agency or other organization concerned with product evaluation that maintains periodic inspection of the production of such labeled items and whose labeling indicates either that the equipment, material or product meets identified standards or has been tested and found suitable for a specified purpose. For the definition applicable in Chapter 11, see Section N1101.6. For the definition applicable in Chapter 24, see Section G2403.	L	L	A Referenced sections to track.		A	Y	
143	N/A	N/A	Section R202	Definitions	N	2024: [MP] Joint, Flared. Joint, Mechanical. Joint, Plastic Adhesive. Leak Check. Liquified Petroleum Gas or LPG (LP-Gas).	N/A	N/A	Plbg/Mech		A	Y	
144	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Listed. Equipment, materials, products or services included in a list published by an organization acceptable to the code official and concerned with evaluation of products or services that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services and whose listing states either that the equipment, material, product or service meets identified standards or has been tested and found suitable for a specified purpose. Terms that are used to identify listed equipment, products, or materials include "listed," "certified," "classified" or other terms as determined appropriate by the listing organization. For the definition applicable in Chapter 11, see Section N1101.6. For the definition applicable in Chapter 24, see Section G2403.	M	L	A Referenced sections to track.		A	Y	
145	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Live/Work Unit. A dwelling unit or sleeping unit in which a significant portion of the space includes a nonresidential use that is operated by the tenant.	M	M	CCP Needed MSBC Ch 1305 deletes		AMEND	Y	CCP Needed MSBC Ch 1305 deletes **2/25/25 CCP not needed; delete definition**
146	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [MP] Living Space. Space within a dwelling unit utilized for living, sleeping, eating, cooking, bathing, washing and sanitation purposes. For the definition applicable in Chapter 11, see Section N1101.6. For the definition applicable in Chapter 24, see Section G2403.	L	L	A Referenced sections to track.		A	Y	
147	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Lot. A measured portion or parcel of land considered as a unit having fixed boundaries.	M	M	A		A	Y	
148	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Lot Line. A line dividing one lot from another, or from a street or any public place. 2021/2024: [RB] Lot Line. The line that bounds a plot of ground described as a lot in the title to the property.	M	M	A		A	Y	
149	N/A	N/A	Section R202	Definitions	N	2024: [RE] Liquid Fuel. Low Slope.	N/A	N/A	Energy		A	Y	
150	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Low-Voltage Lighting. Manual.	N/A	N/A	Energy		A	Y	

To be completed by Chair											To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
151	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Local Exhaust. Locking-Type Tamper-Resistant Cap. Macerating Toilet Systems. Main. Main Sewer. Manifold Water Distribution Systems.	N/A	N/A	Plbg/Mech		ACCEPT DELETE	Y	ACCEPT: Local Exhaust. Locking-Type Tamper-Resistant Cap. DELETE: Macerating Toilet Systems. Main. Main Sewer. Manifold Water Distribution Systems.
152	N/A	N/A	Section R202	Definitions	N	2024: [MP] Log Lighter. Main Burner.	N/A	N/A	Plbg/Mech		A	Y	
153	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Manufactured Home. A structure, transportable in one or more sections, that in the traveling mode is 8 body feet (2438 body mm) or more in width or 40 body feet (12 192 body mm) or more in length, or, where erected on site, is 320 square feet (30m2) or more, and that is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation where connected to the required utilities, and includes the plumbing, heating, air-conditioning and electrical systems contained therein; except that such term shall include any structure that meets all the requirements of this paragraph except the size requirements and with respect to which the manufacturer voluntarily files a certification required by the secretary (HUD) and complies with the standards established under this title. For mobile homes built prior to June 15, 1976, a label certifying compliance to the Standard for Mobile Homes, NFPA 501, in effect at the time of manufacture is required. For the purpose of these provisions, a mobile home shall be considered to be a manufactured home.	M	M	TABLE to check with 1350 to see if there is a problem with this definition, if no keep as is		A	Y	TABLE to check with 1350 to see if there is a problem with this definition, if no keep as is **2/25/25 staff will coordinate to align with 1350 definitions**
154	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Mechanical Draft System. Mechanical Joint. Mechanical System. Natural Draft System.	N/A	N/A	Plbg/Mech		A	Y	
155	N/A	N/A	Section R202	Definitions	N	2024: [MP] Meter. Modulating.	N/A	N/A	Plbg/Mech		A	Y	
156	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Noncombustible Material. Materials that pass the test procedure for defining noncombustibility of elementary materials set forth in ASTM E136. 2021/2024: [RB] Noncombustible Material. A material that passes ASTM E136. For the definition applicable in Chapter 24, see Section G2403.	H	H	A Referenced sections to track.		A	Y	
157	Section R202	N/A	N/A	Definitions	Y	2020: Occupancy Classifications. IRC-1 - Single-family dwellings IRC-2 - Two-family dwellings IRC-3 - Townhouses IRC-4 - Accessory structures: a. Garages; b. Storage sheds; and c. Similar structures.	H	H	AM - Keep 2020		TABLE CCP NEEDED	Y	TABLE, CCP needed, Lisa H. to write CCP INCORPORATE changes made in other TAGS SEE 326B Law Conflict with AIA requirements? **2/25/25 keep MN Amd.; staff will amend language to coordinate with 1300 TAG**
158	N/A	N/A	Section R202	Definitions	N	2024: [RE] Occupant Sensor Control. Occupiable Space.	N/A	N/A	Energy		A	Y	

To be completed by Chair											To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
159	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Offset. On-Site Nonpotable Water Reuse Systems. Pellet Fuel-Burning Appliance. Pellet Vent.	N/A	N/A	Plbg/Mech		ACCEPT DELETE	Y	ACCEPT: Pellet Fuel-Burning Appliance. Pellet Vent. DELETE:Offset. On-Site Nonpotable Water Reuse Systems.
160	N/A	N/A	Section R202	Definitions	N	2024: [MP] Offset (Vent). Outlet. Oxygen Depletion Safety Shutoff System (ODS)	N/A	N/A	Plbg/Mech		A	Y	
161	N/A	N/A	Section R202	Definitions	N	2024: [RE] On-Demand Pilot. On-Site Renewable Energy.	N/A	N/A	Energy		A	Y	
162	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Opaque Door. Proposed Design.	N/A	N/A	Energy		A	Y	
163	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [RB] Pan Flashing. Corrosion-resistant flashing at the base of an opening that is integrated into the building exterior wall to direct water to the exterior and is premanufactured, fabricated, formed or applied at the job site. 2024: [RB] Pan Flashing. Corrosion-resistant flashing at the base of an opening that is integrated into the building exterior wall to direct water to the water resistive barrier surface or to the exterior and is premanufactured, fabricated, formed or applied at the job site.	M	M	A		A	Y	
164	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Photovoltaic (PV) Module. A complete, environmentally protected unit consisting of solar cells, optics and other components, exclusive of a tracker, designed to generate DC power where exposed to sunlight.	L	L	A		A	Y	
165	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Photovoltaic (PV) Panel. A collection of photovoltaic modules mechanically fastened together, wired, and designed to provide a field-installable unit.	L	L	A		A	Y	
167	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Photovoltaic (PV) Panel System. A system that incorporates discrete photovoltaic panels that convert solar radiation into electricity, including rack support systems.	L	L	A		A	Y	
168	N/A	N/A	Section R202	Definitions	N	2024: [RB] Photovoltaic (PV) Panel System, Ground Mounted. An independent photovoltaic (PV) panel system without usable space underneath, installed directly on the ground.	L	L	A		A	Y	
169	N/A	N/A	Section R202	Definitions	N	2024: [RB] Photovoltaic (PV) Support Structure, Elevated. An independent photovoltaic (PV) panel support structure designed with usable space underneath with a clear height of not less than 7 feet 6 inches (2286 mm), intended for secondary use such as providing shade or parking of motor vehicles.	L	L	A		A	Y	
170	Section R202	Section R202	N/A	Definitions	N	2020/2021: [RB] Photovoltaic Shingles. A roof covering that resembles shingles and that incorporates photovoltaic modules.	L	L	A		NA	Y	2024 deleted it because BIPV defines it better
171	N/A	N/A	Section R202	Definitions	N	2024: [MP] Pilot. Piping. Piping System. Plastic, Thermoplastic. Point Of Delivery. Pressure Drop. Pressure Test.	N/A	N/A	Plbg/Mech		a	y	

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
172	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Plenum. Plumbing. Plumbing Appliance. Plumbing Appurtenance. Plumbing Systems, Pollution. Portable-Fuel-Cell Appliance. Potable Water. Press-Connect Joint. Pressure-Relief Valve. Public Sewer. Public Water Main. Purge. Push-Fit Fitting. Quick-Closing Valve.	N/A	N/A	Plbg/Mech		ACCEPT DELETE	Y	ACCEPT:PlenumPortable-Fuel-Cell AppliancePress-Connect Joint. Pressure-Relief Valve. PublicPurge. DELETE: Push-Fit Fitting. Quick-Closing ValvePublic Sewer. Public Water Main.Potable WaterPlumbing. Plumbing Appliance. Plumbing Appurtenance. Plumbing Systems, Pollution.
173	N/A	N/A	Section R202	Definitions	N	2024: [RB] Rainscreen System. An assembly applied to the exterior side of an exterior wall which consists of, at minimum, an outer layer, an inner layer and a cavity between them sufficient for the passive removal of liquid water and water vapor.	M	M	A		A	Y	
174	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Ready Access (To). That which enables a device, appliance or equipment to be directly reached, without requiring the removal or movement of any panel, door or similar obstruction. For the definition applicable in Chapter 11, see Section N1101.6. For the definition applicable in Chapter 24, see Section G2403.	L	L	A Referenced sections to track.		A	Y	
175	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Receptor. Reclaimed Water. Refrigerant. Refrigerant Compressor. Relief Valve, Vacuum. Riser (Plumbing). Room Heater. Rough-In.	N/A	N/A	Plbg/Mech		ACCEPT DELETE	Y	ACCEPT: Refrigerant. Refrigerant Compressor. Relief Valve, Vacuum.Room Heater DELETE: Receptor. Reclaimed Water Riser (Plumbing)Rough-In.
176	N/A	Section R202	N/A	Definitions	N	2021: [MP] Refrigerating System.	N/A	N/A	Plbg/Mech		NA	Y	2024 deleted for new terms broken down
177	N/A	N/A	Section R202	Definitions	N	2024: [MP] Refrigeration System. Regulator. Regulator, Gas Appliance. Regulator, Line Gas Pressure. Regulator, Medium-Pressure (MP Regulator). Regulator, Monitoring. Regulator, Pressure. Regulator, Service Pressure. Relief Opening. Relief Valve (Device). Relief Valve, Pressure. Relief Valve, Temperature. Riser, Gas. Room Heater, Unvented. Room Heater, Vented.	N/A	N/A	Plbg/Mech		A	Y	
178	N/A	N/A	Section R202	Definitions	N	2024: [RE] Reflective Insulation. Renewable Energy Certificate (REC). Renewable Energy Resources.	N/A	N/A	Energy		A	Y	
179	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Repair. The reconstruction, replacement or renewal of any part of an existing building for the purpose of its maintenance or to correct damage. For the definition applicable in Chapter 11, see Section N1101.6.	L	L	A Referenced sections to track.		A	Y	
180	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Radiant Barrier. Rated Design. Residential Building. R-Value (Thermal Resistance).	N/A	N/A	Energy		A	Y	
181	N/A	N/A	Section R202	Definitions	N	2024: [RB] Responsive Vapor Retarder. A vapor retarder material complying with a vapor retarder class of Class I or Class II but which also has a vapor permeance of 1 perm or greater in accordance with ASTM E96, water method (Procedure B).	H	H	A		A	Y	

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182	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Roof Assembly. A system designed to provide weather protection and resistance to design loads. The system consists of a roof covering and roof deck or a single component serving as both the roof covering and the roof deck. A roof assembly includes the roof deck, underlayment and roof covering, and can also include a thermal barrier, ignition barrier, insulation or a vapor retarder. 2021/2024: [RB] Roof Assembly. A system designed to provide weather protection and resistance to design loads. The system consists of a roof covering and roof deck or a single component serving as both the roof covering and the roof deck. A roof assembly can include an underlayment, thermal barrier, ignition barrier, insulation or a vapor retarder. For the definition applicable in Chapter 11, see Section N1101.6.	M	M	A Referenced sections to track.		A	Y	
183	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Roof Recover. The process of installing an additional roof covering over a prepared existing roof covering without removing the existing roof covering. For the definition applicable in Chapter 11, see Section N1101.6. 2021/2024: [RB] Roof Recover. The process of installing an additional roof covering over an ~~prepared~~ existing roof covering without removing the existing roof covering. For the definition applicable in Chapter 11, see Section N1101.6.	M	M	A Referenced sections to track.		A	Y	
184	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Roof Repair. Reconstruction or renewal of any part of an existing roof for the purposes of its maintenance. For the definition applicable in Chapter 11, see Section N1101.6.	L	L	A Referenced sections to track.		A	Y	
185	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Sanitary Sewer. Septic Tank. Sewage. Sewage Pump. Slip Joint. Soil Stack or Pipe. Solar Thermal Collector. Solar Thermal System. Stack. Stack Vent. Stationary Fuel Cell Power Plant. Storm Sewer, Drain. Sweep.	N/A	N/A	Plbg/Mech		ACCEPT DELETE	Y	ACCEPT: Solar Thermal Collector. Solar Thermal SystemStationary Fuel Cell Power Plant DELETE:Sanitary Sewer. Septic Tank. Sewage. Sewage Pump. Slip Joint. Soil Stack or PipStack. Stack Vent. Storm Sewer, Drain. Sweep.
186	N/A	N/A	Section R202	Definitions	N	2024: [MP] Service Meter Assembly. Shaft. Specific Gravity. System Shutoff.	N/A	N/A	Plbg/Mech		A	Y	
187	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Service Water Heating. Skylight. Solar Heat Gain Coefficient (SHGC). Standard Reference Design.	N/A	N/A	Energy		A	Y	
188	N/A	N/A	Section R202	Definitions	N	2024: [RE] Simulated Building Performance. Solar-Ready Zone. Space Conditioning. Space Conditioning Equipment. Steep Slope.	N/A	N/A	Energy		A	Y	
189	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Scupper. An opening in a wall or parapet that allows water to drain from a roof.	M	M	A		A	Y	
190	Section R202	Section R202	Section R202	Definitions	N	2020/2021: [RB] Seismic Design Category (SDC). A classification assigned to a structure based on its occupancy category and the severity of the design earthquake ground motion at the site. 2024: [RB] Seismic Design Category (SDC). A classification assigned to a structure based on its occupancy ~~category~~ and the severity of the design earthquake ground motion at the site.	L	L	A		A	Y	

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191	Section R202	Section R202	Section R202	Definitions	Y	2020: [RB] Shall. “Shall” is a mandatory term. See Minnesota Rules, part 1300.0070, subpart 13. 2021/2024: [RB] Shall. The term, where used in the code, is construed as mandatory.	H	H	AM - Keep 2020		A	Y	mirrors language in 326B law
192	Section R202	N/A	N/A	Definitions	Y	2020: Sill Height. The lowest part of the window opening of an operable window measured from the finished floor.	H	H	AM - Keep 2020		A	Y	does not conflict with #118 def.
193	N/A	N/A	Section R202	Definitions	N	2024: [RB] Sleeping Loft. A space designated for sleeping on an intermediate level or levels between the floor and ceiling of a story, open on one or more sides to the room in which the space is located, and in accordance with Section R316.	H	H	A		A	Y	
194	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Sleeping Unit. A single unit that provides rooms or spaces for one or more persons, includes permanent provisions for sleeping and can include provisions for living, eating and either sanitation or kithcen facilities but not both. Such rooms and spaces that are also part of a dwelling unit are not sleeping units. For the definition applicable in Chapter 11, see Section N1101.6.	H	H	A		A	Y	
195	Section R202	Section R202	Section R202	Definitions	Y	2020/2021/2024: [RB] Solar Energy System. A system that converts solar radiation to usable energy, including photovoltaic panel systems, BIPV systems and solar thermal systems.	L	L	A		A	Y	
196	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Stairway. One or more flights of stairs, either interior or exterior, with the necessary landings and connecting platforms to form a continuous and uninterrupted passage from one level to another within or attached to a building, porch or deck. 2021/2024: [RB] Stairway. One or more flights of stairs, either interior or exterior, with the necessary landings and connecting platforms to form a continuous and uninterrupted passage from one level to another ~~within or attached to a building, porch or deck.~~	M	L	A		A	Y	
197	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Storm Shelter. A building, structure or portion thereof, constructed in accordance with ICC 500 and designated for use during a severe wind storm event, such as a hurricane or tornado.	H	H	A		TABLE PENDING CCP	Y	Lisa H to write CCP to bring in alignment with 1305 ICC 500 2023 **2/25/25 STAFF will coordinate version with reference standards**
198	N/A	N/A	Section R202	Definitions	N	2024: [RB] Substantial Damage. Damage of any origin sustained by a structure whereby the cost of restoring the structure to its before-damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.	M	M	A		A	Y	
199	N/A	N/A	Section R202	Definitions	N	2024: [RB] Substantial Improvement. See 2024 IRC - Page 54. Improvement of a substantially damaged structure or work that equals or exceeds 50 percent of the structure market value. Excludes alterations to correct (BO ordered) living conditions or alterations on historic buildings.	M	M	A		A	Y	
200	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Sunroom. A one-story structure attached to a dwelling with a glazing area in excess of 40 percent of the gross area of the structure’s exterior walls and roof. For the definition applicable in Chapter 11, see Section N1101.6.	L	L	A Referenced sections to track.		A	Y	
201	N/A	N/A	Section R202	Definitions	N	2024: [MP] Toilet, Gas Fired. Transition Fittings, Plastic to Steel. Unit Heater. Unvented Room Heater.	N/A	N/A	Plbg/Mech		A	Y	

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
202	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Temperature- and Pressure-Relief (T and P) Valve. Temperature-Relief Valve. Third-Party Certification Agency. Third Party Certified. Trap. Trap Arm. Trap Primer. Trap Seal. Type L Vent.	N/A	N/A	Plbg/Mech		ACCEPT/DELETE	Y	ACCEPT ALL EXCEPT DELETE PLUMBING TERMS: Trap. Trap Arm. Trap Primer. Trap Seal.
203	N/A	N/A	Section R202	Definitions	N	2024: [RE] Testing Unit Enclosure Area. Thermal Distribution Efficiency (TDE).	N/A	N/A	Energy		A	Y	
204	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Thermal Resistance, R-Value. Thermal Transmittance, U-Factor. Thermostat. U-Factor (Thermal Resistance).	N/A	N/A	Energy		A	Y	
205	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Termite-Resistant Material. Pressure-preservative-treated wood in accordance with the AWPA standards in Section R304.1 ~~R317.1~~, naturally durable termite-resistant wood, steel, concrete, masonry or other approved material.	L	L	A		A	Y	
206	Section R202	Section R202	Section R202	Definitions	Y	2020: [RB] Townhouse. See "Dwelling." 2021/2024: [RB] Townhouse. A building that contains three or more townhouse units	M	M	A		TABLE	Y	TABLE PENDING CCP from Lisan H. concerning 1300 and 1311 reviews **2/25/25 keep MN Amd. Delete model code language**
207	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RB] Townhouse Unit. A single-family dwelling unit in a townhouse that extends from foundation to roof and that has a yard or public way on not less than two sides.	M	M	A		TABLE	y	TABLE PENDING CCP from Lisan H. **2/25/25 Amend, delete townhouse unit definition**
208	Section R202	N/A	N/A	Definitions	Y	2020: Transient. Occupancy of a dwelling unit or sleeping unit for not more than 30 days.	M	M	AM - Keep 2020		AM	Y	KEEP THE MN AMEND
209	N/A	N/A	Section R202	Definitions	N	2024: [RB] Type X. A type of gypsum panel product with special core additives to increase the fire resistance as specified by the applicable standards listed in Section R702.3 (see the definition of "Gypsum panel product")	H	H	A		A	Y	
210	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Underlayment. One or more layers of felt, sheathing paper, nonbituminous saturated felt, or other approved material over which a roof covering, with a slope of 2 to 12 (17-percent slope) or greater, is applied. 2021/2024: [RB] Underlayment. One or more layers of felt, sheathing paper, nonbituminous saturated felt, or other approved material over which a roof covering, with a slope of 2 units vertical to 12 units horizontal (17-percent slope) or greater, is applied.	L	L	A		A	Y	
211	N/A	N/A	Section R202	Definitions	N	2024: [MP] Valve. Vent Piping. Vented Appliance Catagories. Vented Room Heater. Vented Wall Furnace. Wall Heater, Unvented Type.	N/A	N/A	Plbg/Mech		A	Y	
212	N/A	Section R202	Section R202	Definitions	N	2021/2024: [MP] Vacuum Breaker. Vent Collar.Vent Connector. Vent Damper Device, Automatic. Vent Gases. Vent Stack. Vent System. Vertical Pipe. Waste. Waste Pipe or Stack. Waste Receptor. Water Distribution System. Water Heater. Water Main. Water Outlet. Water Service Pipe. Water Supply System. Wet Vent.	N/A	N/A	Plbg/Mech		ACCEPT/DELETE	Y	ACCEPT ALL EXCEPT DELETE PLUMBING TERMS: Vent Stack. Vent System. Vertical Pipe. Waste. Waste Pipe or Stack. Waste Receptor. Water Distribution System. Water Main. Water Outlet. Water Service Pipe. Water Supply System. Wet Vent.
213	N/A	N/A	Section R202	Definitions	N	2024: [RE] Work Area.	N/A	N/A	Energy		A	Y	
214	N/A	Section R202	Section R202	Definitions	N	2021/2024: [RE] Ventilation Air. Visible Transmittance (VT). Zone.	N/A	N/A	Energy		A	Y	

To be completed by Chair										To be completed by TAG members		
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215	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Vapor Diffusion Port. A passageway for conveying water vapor from an unvented attic to the outside atmosphere. 2021/2024: [RB] Vapor Diffusion Port. An assembly constructed or installed within a roof assembly at an opening in the roof deck to convey water vapor from an unvented attic to the outside atmosphere.	H	L	A		A	Y	
216	Section R202	Section R202	Section R202	Definitions	N	2020: [RB] Vapor Permeable. The property of having a moisture vapor permeance rating of 5 perms (2.9 × 10-10 kg/Pa • s • m2) or greater, where tested in accordance with the desiccant method using Procedure A of ASTM E96. A vapor permeable material permits the passage of moisture vapor. 2021/2024: [RB] Vapor Permeable. The property of having a moisture vapor permeance rating of 5 perms (2.9 × 10-10 kg/Pa • s • m2) or greater, where tested in accordance with ~~the desiccant method using~~ Procedure A or Procedure B of ASTM E96. A vapor permeable material permits the passage of moisture vapor.	H	L	A		A	Y	
217	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [MP] Vent. A passageway for conveying ~~a~~ flue gases from fuel-fired appliances, or their vent connectors, to the outside atmosphere. For the definition applicable in Chapter 24, see Section G2403.	M	L	A Referenced sections to track.		A	Y	
218	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [RB] Ventilation. The natural or mechanical process of supplying conditioned or unconditioned air to, or removing such air from, any space. For the definition applicable in Chapter 11, see Section N1101.6.	M	L	A Referenced sections to track.		A	Y	
219	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [MP] Venting System. A continuous open passageway from the flue collar of an appliance to the outside atmosphere for the purpose of removing flue or vent gases. A venting system is usually composed of a vent or a chimney and vent connector, if used, assembled to form the open passageway. For the definition applicable in Chapter 24, see Section G2403.	M	L	A Referenced sections to track.		A	Y	
220	Section R202	N/A	N/A	Definitions	Y	2020: Waterproofing. Treatment of a surface or structure located below grade to resist the passage of water in liquid form, under hydrostatic pressure that bridges nonstructural cracks.	H	H	AM - Keep 2020		AM	Y	KEEP MN AMENDMENT
221	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: [MP] Whole-House Mechanical Ventilation System. An exhaust system, supply system, or combination thereof that is designed to mechanically exchange indoor air for outdoor air where operating continuously or through a programmed intermittent schedule to satisfy the whole-house ventilation rate. For the definition applicable in Chapter 11, see Section N1101.6.	M	L	A Referenced sections to track.		A	Y	PENDING CCP FROM CHRIS R. TO ALIGN WITH WORK FORM OTHER TAGS **2/25/25 MECH TAG: consensus to support the CCP. 1309 TAG consensus to support the MECH TAG.**

To be completed by Chair											To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
222	Section R202	Section R202	Section R202	Definitions	N	2020/2021/2024: Windborne Debris Region. Areas within hurricane-prone regions located in accordance with one of the following: 1.Within 1 mile (1.61 km) of the ~~coastal~~ mean high-water line where an Exposure D condition exists upwind at the water line and the ultimate design wind speed, Vult, is 130 mph (58 m/s) or greater. 2.In areas where the ultimate design wind speed, Vult, is 140 mph (63.6 m/s) or greater; or Hawaii.	H	H	A		A	Y	
1309 Ch. 3 - Building Planning													
1	R300.1	NA	NA	Occupancy Classifications	Y	A MN amendment listing the Occupancy Classifications at the beginning of the Building Planning Chapter 3. duplicates 1300.0070 subp. 12b	N	N	Amend; continue the existing MN amendment with text changes to duplicate changes to 1300.0070 subp. 12b. May need to add definitions to 1309 Ch.2 for "Non-transient" and "Fire area".		TABLE - CCP	Y	TABLE PENDING CCP FROM LISA H. TO COORDINATE WORK IN OTHER TAGS. **2/25/25 NO CCP NEEDED; staff will coordinate language with other TAGS.**
2	none	R301.1.4	R301.1.4	Intermodal Shipping Containers	N	2021 IRC added a new section to address repurposing shipping containers and 2024 IRC redirects to Ch. 3114 of the IBC for structural provisions only. 1309 will still apply to other issues of repurposing.	M	L	A		A	Y	
3	R301.2	same	same	climate and geograpghical design criteria	N	RENUMBER reference to table R301.2(1) is renumbered to R301.2 keeping with the renumbering of that table in the 2021 and 2024 IRCs.	N	N	A		A	Y	
4	table R301.2(1)	table R301.2	same	climate and geograpghical design criteria table	Y	keep the existing Minnesota amendment that amends the table to add specific Minnesota criteria to each column in place of the hyphens (-). The intent being that Minnesota is the jurisdiction of the State Building Code. Also renumber the table in keeping with the IRC renumbering. Delete the "Manual J Design Criteria" portion of the table in keeping with past adoptions of this table. Mechanical TAG Accept the 24 IRC model code table column headings and the renumbering of footnotes for each column. See line items below for changes to the footnotes. Structural TAG.	N	N	Amend; continue the existing MN amendment making changes as determined in the structural TAG (Wind Design Speed may be 110 or 115, all other values remain the same.) Is Mechanical TAG going to delete the Manual J part of the table?		AM		DELETE MANUAL J KEEP MN AMENDMENTS KEEP MN AMENDMENTS TO CATAGORIES TABLE PENDING STURCTURAL TAG REVIEWS **2/25/25 NO CHANGE AT STRUCTURAL TAG**
5	table R301.2(1) footnote a.	table R301.2 footnote a.	table R301.2 footnote a.	climate and geograpghical design criteria table	Y	a. is a footnote to 'weathering' column. Keep the MN amendment and change the figure reference to Figure R301.2(1). Structural TAG.	N	N	Accept with change to figure ref.		A	Y	
6	table R301.2(1) footnote b.		table R301.2 footnote b.	climate and geograpghical design criteria table	Y	b. is a footnote to the 'Frost Depth' column. Keep MN amendment and add Zone III in keeping with changes to 1303.1600 Structural TAG.	M	M	Accept with text change		AM	Y	KEEP MN AMENDMENT
7	table R301.2(1) footnote c.		table R301.2 footnote c.	climate and geograpghical design criteria table	N	c. is the footnote to "Termite Damage" column. The model code language has NOT been changed in the past and does not need to be changed now.	M	M	Accept the model code language.		A	Y	

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8	table R301.2(1) footnote d.		table R301.2 footnote d.	climate and geograpghical design criteria table	Y	d. is a footnote to the 'Wind Design Speed' column. Keep MN amendment and change ~~wind speed map~~ to ultimate design wind speeds map and reference Figure R301.2(2 Structural TAG.	M	M	Accept with text change and figure ref. change.	AM	Y	TABLE pending Structural TAG review **2/25/25 SUPPORT STRUCT. TAG DECISION**
9	table R301.2(1) footnote e.	NA	NA	climate and geograpghical design criteria table	Y	table R301.2(1) e. is a footnote to a column added to the table by MN amendment that added a column titled 'Winter Design Temp." and directs to MN. Rules Ch. 1322.	M	M	Keep the 2020 MN amendment	AM	Y	KEEP MN AMENDMENT
10	table R301.2(1) footnote l.		table R301.2 footnote f.	climate and geograpghical design criteria table	Y	2024 IRC f. is the footnote to "Seismic Design Category" column. In the past this was footnote l. and used different language, however the model code language is sufficient with a small text change. Alter model code language as follows in keeping with the State acting as the jurisdiction. ~~The jurisdiction shall fill in this part of the table with the~~ seismic design category determined from Section R301.2.2.1. Structural TAG.	M	M	keep the model code language with deletion of text as indicated.	AM	Y	KEEP MN AMENDMENT. STRUCTURAL TAG may have CCP that deletes language indicated. **2/25/25 SUPPORT STRUCT. TAG DECISION**
11	table R301.2(1) footnote g.		table R301.2 footnote g.	climate and geograpghical design criteria table	Y	g. is the footnote to the "Flood Hazard" column. The 2020 MN. Amended laguage continues to be correct.	M	M	Keep the 2020 MN amendment language.	AM	Y	KEEP MN AMENDMENT
12	table R301.2(1) footnotes h.		table R301.2 footnote h.	climate and geograpghical design criteria table	Y	h. is the footnote to the "Ice Barrier Underlayment Required" column. the model code language can be kept with the following changes: In accordance with Sections R905.1.2, R905.2.7, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, ~~the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall fill in this part of the table with "NO."~~	M	M	keep the model code language with addition and deletion of text as indicated.	AM	Y	KEEP MN AMENDMENT
13	table R301.2(1) footnote i.		table R301.2 footnote i.	climate and geograpghical design criteria table	Y	i. is the footnote to the "Air Freezing Index" column which is a category added by MN amendment. The text from the model code has been used, in the past, in its entirety without change. There is no need to change it this time either.	M	M	Keep the model code language	AM	Y	KEEP MN AMENDMENT
14	table R301.2(1) footnote j.		table R301.2 footnote j.	climate and geograpghical design criteria table	Y	j. is the footnote to the "Mean Annual Temp" column. The text from the model code has been used, in the past, in its entirety without change. There is no need to change it this time either.	M	M	Keep the model code language	AM	Y	KEEP MN AMENDMENT
15	table R301.2(1) footnote K.		table R301.2 footnote K.	climate and geograpghical design criteria table	Y	k. is the footnote to the "Topographic Effects" column. In the 2020 MRC the last part of the footnote was deleted by the Structural TAG. In accordance with Section R301.2.1.5, ~~where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, thejurisdiction shall indicate "NO" in this part of the table.~~	M	M	keep the model code language with deletion of text as indicated.	AM	Y	KEEP MN AMENDMENT

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16	NA		table R301.2 footnote L.	climate and geograpghical design criteria table	N	24 IRC creates a new column under "Wind Design" called "Special Wind Region" and assigns footnote l. The Structural TAG kept the model code language deleting the following: l. In accordance with Figure R301.2(2), where there is local historical data documenting unusual wind conditions~~, the jurisdiction shall fill in this part of the table with "YES" and identify any specific requirements. Otherwise, the jurisdiction shall indicate "NO" in this part of the table.~~	M	M	keep the model code language with deletion of text as indicated.		A	Y	
17	NA	NA	Table R301.2	climate and geograpghical design criteria table	Y	Sturctural TAG concensus was to keep the existing 2020 MN amendment to delete the category "Windborne Debris Zone".	M	M	Accept the Sturctural TAG concensus to keep the existing 2020 MN amendment.		AM	Y	KEEP MN AMENDMENT STRUCTURAL TAG CONCENSUS
18	NA	NA	table R301.2 footnote m.	climate and geograpghical design criteria table	Y	Delete footnote m. in keeping with the MN amendment to delete the category "Windborne Debris Zone"	L	L	Accept the Sturctural TAG concensus to keep the existing 2020 MN amendment		AM	Y	KEEP MN AMEND TO DELETE STRUCT. TAG CONCENSUS
19	NA	NA	table R301.2 footnote n.	climate and geograpghical design criteria table	Y	footnote n. will be deleted if the "Manual J Design Criteria" part of Table R301.2 is deleted. If the table is kept then the following model code text will have to be reviewed for MN 1309 relevance: n. The jurisdiction shall fill in these sections of the table to establish the design criteria using Table 1a or 1b from ACCA Manual J or established criteria determined by the jurisdiction.	M	M	Accept the Mechanical TAG recommendations		AM	Y	KEEP MN AMEND TO DELETE STRUCT. TAG CONCENSUS
20	NA	NA	table R301.2 footnote o.	climate and geograpghical design criteria table	Y	Structural TAG amended footnote o. by deleting the model code language and adding the following: o. The ground snow loads to be used in determining the design snow loads for buildings and other structures are given in Minnesota Rules, part 1303.1700, Ground Snow Load to verify by county. The roof snow load is a uniform load on the horizontal projection of the roof. this footnote could be renumbered m. or n. if the previous footnotes are deleted.	M	M	TABLE: the Sturctural TAG is reviewing and will make recommendations.		AM	Y	TABLE pending Structural TAG review **2/25/25 SUPPORT STRUCT. TAG DECISION**
21	R301.2.1	same	same	wind design criteria	N	the 2021 IRC added metal shingles and directs to 905.4.4 and added text dealing with ultimate design speeds.	N	N	A		A	Y	
22	figure R301.2(4)	figure R301.2(1)	figure R301.2(1)	concrete weathering	N	Renumbered: figure number changed in 2021 from (4) to (1)	N	N	A		A	Y	
23	figure R301.2(5)A	figure R301.2(2)	figure R301.2(2)	ultimate design wind speeds		Structural TAG reviewed and tabled. 2021 Renumbered and changed the map details . Footnotes changed in 2024.	N	N	TABLE pending Sturctural TAG decision.		A	Y	TABLE pending Structural TAG review **2/25/25 SUPPORT STRUCT. TAG DECISION**
24	MN deleted	NA	figure R301.2(3)	ground snow loads		Structural TAG reviewed and tabled.			TABLE pending Sturctural TAG decision.		A	Y	TABLE pending Structural TAG review **2/25/25 SUPPORT STRUCT. TAG DECISION**
25	table R301.2(2)	table R301.2.1(1)	table R301.2.1(1)	component cladding and loads	N	2021 renumbers the table and adds additional criteria	N	N	A		A	Y	

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26	table R301.2(3)	table R301.2.1(2)	table R301.2.1(2)	height and exposure adjusment	N	2021 adjusts values in the first 3 lines. 2024 adjusts "B" exposure values for 40 thru 60 mean roof height.	N	N	accept model code changes.	A	Y	
27	figure R301.2(5)B	figure R301.2.1.1	figure R301.2.1.1	wind design regions	N	2021 renumbers the table and 2024 changes region lines	N	N	A	A	Y	
28	R301.2.1.1	same	same	wind limitations and desing required	N	2021 added language and changed references to figures that were renumbered.	N	N	A	A	Y	
29	R301.2.1.2.1	same	deleted	application of ASTM E1996	N	2024 IRC deleted this section	N	N	A	A	Y	
30	R301.2.1.5	same	same	topographical wind effects	N	2024 IRC deleted conditions 3 & 4	N	N	A	A	Y	
31	table R301.2.1.5.1	table R301.2.1.5.1	table R301.2.1.5.1	topographic with effect modification	N	2021 added 3 new wind speeds to the table. 2024 added and townhouses to footnote a.	N	N	A	A	Y	
32	R301.2.2	same	same	seismic provisions	N	2024 adds language that is not relevant to MN.	N	N	A	A	Y	
33	R301.2.2.1	same	same	Determination of seismic design category.	N	2021 2024 adds language that is not relevant to MN.	N	N	A	A	Y	
34	R301.2.2.1.1	same	same	Alternate Determination of seismic design category.	N	2021 2024 adds language that is not relevant to MN.	N	N	A	A	Y	
35	figures R301.2.2.1.1(2) to (3)	figures R301.2.2.1.1(1) to (6)	figures R301.2.2.1.1(1) to (7)	Determination of seismic design category.	N	2021 2024 adds language that is not relevant to MN.	N	N	A	A	Y	
36	R301.2.2.2 thru R301.2.2.10	R301.2.2.2 thru R301.2.2.10	R301.2.2.2 thru R301.2.2.10.1	seismic provisions	N	2021 2024 made changes not relevant to MN.	N	N	A	A	Y	
37	R301.2.3	same	same	Snow loads.	N	Ground snow loads shall be determined in accordance with Figure R301.2(3) or shall be determined in accordance in with Section 1608 of the International Building Code. Wood-framed construction, cold-formed, steel-framed construction and masonry and concrete construction, and structural insulated panel construction in regions with allowable stress design ground snow loads, pg(asd), 70 pounds per square foot (3.35 kPa) or less, shall be in accordance with Chapters 5, 6 and 8. Buildings in regions with allowable stress design ground snow loads, pg(asd), greater than 70 pounds per square foot (3.35 kPa) shall be designed in accordance with accepted engineering practice.	N	N	TABLED by Structural TAG pending further review.	TABLED	Y	TABLED by Struct. TAG for further review **2/25/25 Remains TABLED pending STRUCT. TAG revision of the map figure and tables.**

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38	R301.2.4	same	same	Floodplain construction.	N	Buildings and structures constructed in whole or in part in flood hazard areas as established in Table R301.2, and substantial improvement and repair of substantial damage of buildings and structures located in whole or in part in flood hazard areas, shall be designed and constructed in accordance with Section R306. Buildings and structures that are located in more than one flood hazard area, including A Zones, Coastal A Zones and V Zones, shall comply with the provisions associated with the most restrictive flood hazard area. Buildings and structures located in whole or in part in identified floodways shall be designed and constructed in accordance with ASCE 24.	N	N	Accept the model code language and changes.		A	Y	
39	R301.3	same	same	story height	N	2021 IRC adds exception to item 1 also adds text to the last paragraph	N	N	A		A	Y	
40	table R301.5	same	same	min. uniform dist. Live loads	N	2021 IRC adds a column to the table for Concentrated Loads. It also makes changes to footnotes a. c. d. a. changes square inch area to actual dimensions c. same d. adds text to the end of the footnote: A single concentrated load applied in any direction at any point along the top. For a guard not required to serve as a handrail, the load need not be applied to the top element of the guard in a direction parallel to such element g.2. changes 2 ~~inches~~ to 2 units h. ~~safety factor~~ is deleted and load adjustment factor substituted. i. is a new footnote: i. Where the top of a guard system is not required to serve as a handrail, the single concentrated load shall be applied at any point along the top, in the vertical downward direction and in the horizontal direction away from the walking surface. Where the top of a guard is also serving as the handrail, a single concentrated load shall be applied in any direction at any point along the top. Concentrated loads shall not be applied concurrently.	N	N	A		A	Y	
41	R301.6	same	same	Roof load	N	2021 The roof shall be designed for the live load indicated in Table R301.6 or the ground snow load indicated in Table R301.2, whichever is greater.	N	N	A		A	Y	
42	table R301.7	same	same	ALLOWABLE DEFLECTION OF STRUCTURAL MEMBERSb,	N	2021 adds the following: footnote e. Refer to Section R703.8.2. The dead load of supported materials shall be included when calculating the deflection of these members. Table line: All other structural members excluding guards and handrails	N	N	A		A	Y	
43	R302.1	same	same	Exterior walls	N	2024 Language added concerning townhouses and separation distances	N	N	A		A	Y	
44	table R302.1(1)	same	same	Exterior walls	Y	Mn. Added a footnote c	N	N	Accept; continue the existing MN amendment		AM	Y	KEEP THE EXISTING MN AMEND

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45	table R302.1(2)	same	same	Exterior walls	Y	Mn. Added a footnote d	N	N	Accept; continue the existing MN amendment	AM	Y	KEEP THE EXISTING MN AMEND
46	R302.2.3	same	same	continuity	Y	Mn. Added roof to deck and slab and language at the end requiring separations to continue through extensions and overhangs	N	N	Accept; continue the existing MN amendment	AM	Y	KEEP THE EXISTING MN AMEND
47	R302.2.6	same	same	structural independence	N	2021 IRC adds a 6th exception for sprinkling	N	N	A	A	Y	
48	R302.2.7	NA	NA	sound transmission	Y	Mn. Adds this section to direct to appendix K for sound transmission requirements	N	N	Accept; continue the existing MN amendment	AM	Y	KEEP THE EXISTING MN AMEND Renumber K to BG
49	R302.3	SAME	SAME	two-family dwellings	N	the text of 302.3 was changed and broken down with new sections and sub sections added to R302.3 to better address two-family dwellings. 21 IRC added language that carries over to the 24 IRC: "regardless of whether a lot line exists between two dwelling units."	N	N	A	A	Y	
50	R302.3.1	R302.3.1	R302.3.1	two-family dwellings	N	RENUMBER: Section R302.3.1 is renumbered to R302.3.4.	N	N	A	A	Y	
51	R302.3.1	R302.3.1	R302.3.1	two-family dwellings	N	this section title changes from Supporting Construction to Dwelling unit separation and clarifies that the separations are either Vertical or Horizontal or Either.	N	N	A	A	Y	
52		R302.3.1.1	**R325.10??**	2-FAM DWELLING UNIT SEPARATION DUCTS		**CCP from Chris R. to limit ducts in separations walls**						**3/11/325 line #52: Chris R will re-write the CCP to change the section to R325 to better align with MECH provisions.** **3/25: remains tabled pending CCP revision possibly moved to new section R325.10**
53	1309.0302.3.2	NA	NA	two-family dwellings	Y	RENUMBERED: 1309.0302.3.2 was a 2020 MN amendment and will be remunbered to 1309.0302.3.7 as R302.3.2 is used by 2024 IRC for a new section.	N	N	Accept the numbering change and keep the existing MN amendment	AM	Y	KEEP THE EXISTING MN AMEND Renumber K to BG
54	NA	NA	R302.3.2	two-family dwellings	N	This new section addresses the **Fire-resistance rating** of dwelling separations	N	N	A	A	Y	
55	NA	NA	302.3.3	two-family dwellings	N	This is a new section is titled **CONTINUITY**. This section adds language that provides continuity of the fire-resistance rating between the dwelling units.	N	N	A	A	Y	
56	NA	NA	R302.3.3.1	two-family dwellings	N	a new sub section that adds **HORIZONTAL ASSEMBLIES** language that require that they betight against exterior walls or vertical separation assemblies complying with Section 302.3.2.	M	L	A	A	Y	
57	NA	NA	R302.3.3.2	two-family dwellings	N	a new sub section that adds **VERTICAL ASSEMBLIES** language that require that they be tight against the following: 1. The foundation. 2. A horizontal assembly complying with Section R302.3.3. 3. The underside of roof sheathing. 4. The ceiling beneath an uninhabitable attic, see requirements.	M	L	A	A	Y	
58	NA	NA	R302.3.4	two-family dwellings	N	**Supporting construction**. Carries over the idea of equal or greater fire resistance and clarifies by adding: "Vertical and horizontal assemblies separating dwelling units shall be supported by construction having"	M	L	A	A	Y	

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59	NA	NA	R302.3.5	two-family dwellings	N	**Vertically stacked dwelling units**. A new section that lists 2 requirements for horizontal separation when not sprinkled to P2904.	M	L	A		A	Y	
60	NA	NA	R302.3.6	two-family dwellings	N	**Shared accessory rooms**. A new section that addresses share accessory rooms by directing to tables, sub sections and other code sections.	M	L	A		A	Y	
61	NA	NA	table R302.3.6	two-family dwellings	N	**table R302.3.6** lists materials required depending on the type of separation or component.	M	L	A		A	Y	
62	NA	NA	R302.3.6.1	two-family dwellings	N	**Opening protection**. Addresses openings between the shared accessory room or area and dwelling units	M	L	A		A	Y	
63	NA	NA	R302.3.6.2	two-family dwellings	N	**Duct penetration**. Addresses ducts penetrating the walls or ceilings separating the dwelling from the shared accessory room	M	L	A		A		TABLE Pending CCP from Chris R. to better define. **2/25/25 continue tabled pending CCP** MOVED the revised language to new section R325.10
64	NA	NA	R302.3.6.3	two-family dwellings	N	**Other penetrations.** shall be protected as required by Section R302.11, Item 4.	M	L	A		A	Y	
65	1309.0302.3.2	NA	1309.0302.3.7	two- family dwelling sound transmission	Y	REUNMBERED: 1309.0302.3.2 will be remunbered to 1309.0302.3.7 as R302.3.2 is used by 2024 IRC for a new section. There are no text changes to this section. Mn. Adds this section to direct to appendix K for sound transmission requirements	N	N	Accept; continue the existing MN amendment		AM	Y	KEEP THE EXISTING MN AMEND Renumber K to BG
66	R302.4	same	same	Dwelling unit rated penetrations.	Y	R302.4 Dwelling unit rated penetrations. Penetrations of wall or floor-ceiling assemblies required to be fire-resistance rated in accordance with Section R302.2 or R302.3 shall be protected in accordance with this section. A forced air duct system shall not penetrate the walls, floors or ceilings separating dwelling units.	M	M	CCP presented by Chris R. to add the last sentence to the model code langurage. Accept		CCP accepted by consnesusff	y	members reviewed the CCP and accepted it by consensus.
67	R302.4.1	SAME	SAME	Dwelling unit rated penetraions	N	**THROUGH PENETRATIONS** 21 IRC added an exception #2 to address annular space	M	L	A		A	Y	
68	R302.4.2	same	same	Dwelling unit rated penetraions	N	**Membrane penetrations.** Exception #3 added: "or water-filled fire sprinkler piping," and "the annular space"	N	N	A		A	Y	
69	R302.5	same	same	Dwelling-garage opening and penetraions	N	Text change: 24 IRC, the hyphen between Dwelling and Garage in the title is replaced with the word "unit" to form the new title: **Dwelling unit garage opening and penetration protection**	N	N	A		A	Y	
70	R302.5.1	same	same	Dwelling-garage opening protection	N	21 IRC added language: Doors shall be self-latching and equipped with a self-closing or automatic-closing device. 24 IRC added language: Other openings between the garage and dwelling unit shall be equipped…	N	N	A		A	Y	
71	R302.6	same	same	DWELLING GARAGE SEPARATION	N	Text change: 24 IRC, the hyphen between Dwelling and Garage in the title is replaced with the word "unit"	N	N	A		A	Y	
72	TABLE R302.6	same	same	DWELLING GARAGE SEPARATION	N	Text change: 24 IRC, the hyphen between Dwelling and Garage in the title is replaced with the word "unit"	N	N	A		A	Y	

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments	Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
73	table R302.6	same	R302.6	dwelling/garage separation	Y	Mn. Amendes the table and adds language to this table that should be kept	N	N	Accept; continue the existing MN amendment	~~TABLE pending CCP~~ Amend		CCP pending from Lisa H. **2/25/25 REMAINS TABLED** **3/11/325 CCP Lisa H.:** consensus to support the CCP with Friendly amendment that does not cross out the last sentence.
74	R302.8	R302.8	R302.8	Foam plastic	N	Text change: reference to R316 is changed to R303 in keeping with renumbering	N	N	A	A	Y	
75	NA	NA	R302.8.1	Foam plastic	N	**Interior finish**. 21 IRC adds a new section dealing with foam plastics in interior finishes and refences R316.5.10. The 24 IRC changes that section number to R303.5.10	N	N	A	A	Y	
76	NA	R302.9.5	same	use of HDPE & PP	N	2021 IRC adds this section to deal with HDPE & PP as interior fins.	N	N	A	A	Y	
77	R302.10.4	same	same	Flame spread index and smoke-developed index for insulation	N	**Exposed attic insulation.** 24 IRC adds text to the end of the provision to clarify testing reuqirements: Exposed insulation materials installed on attic floors shall have a critical radiant flux of not less than 0.12 watt per square centimeter when tested in accordance with ASTM E970.	N	N	A	A	Y	
78	R302.13	same	same	fire protection of floors	N	2024 IRC adds another exception for Acc. Sturct. Less than 600sft.	N	N	A	A	Y	
79	NA	NA	R302.15	fire-retardent-treated wood	N	2024 IRC creates a new section for fire-retardent-treated wood. Includes Sub-Sections R302.15.1 thru R302.15.10	N	N	A	A	Y	
80	R316	same	R303	Foam plastic	N	2024 IRC renumbered section R316 to R303 including sub-sections thereof	N	N	A	A	Y	
81	NA	NA	R303.1.1	Foam plastic	N	24 IRC Creates a new section for Spray-applied foam plastic	L	L	A	A	Y	
82	NA	NA	R301.1.2	Foam plastic	N	24 IRC Creates a new section for INSULATING SHEATHING	L	L	A	A	Y	
83	NA	NA	TABLE R303.1.2	Foam plastic	N	24 IRC Creates a new TABLE for MATERIAL STANDARDS FOR FOAM PLASTIC INSULATING SHEATHING	L	L	A	A	Y	
84	R316.3	SAME	R303.3	Foam plastic	N	21 IRC Deletes text and replaces it with subsection numbers that follow this section where that specific text is relocated. 21 IRC Adds an exception to surface burning characteristics 24 IRC changes text in the exception to clarify testing criteria	L	L	A	A	Y	
85	NA	R316.3.1	R303.3.1	Foam plastic	N	21 IRC Adds a new section for Foam plastic insulation 4 inches thick or less 24 IRC RENUMBERS IT.	L	L	A	A	Y	
86	NA	R316.3.2	R303.3.2	Foam plastic	N	21 IRC adds a new section for Foam plastic insulation more than 4 inches thick. 24 IRC RENUMBERS IT.	L	L	A	A	Y	
87	R316.5.13	same	R303.5.13	Foam plastic	N	21 IRC changed text: he thermal barrier specified in Section R316.4 is not required to be installed on the walking surface of a structural floor system that contains foam plastic insulation where the foam plastic is covered by not ~~more~~ less than a nominal 1/2-inch-thick (12.7 mm) wood structural panel.	L	L	A	A	Y	

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88	R316.6	SAME	R303.6	Foam plastic Specific apporval	N	24 IRC reformated the text and added text to clarify testing requirements. R303.3 through R303.5 shall be specifically approved on the basis of ~~one of the following approved tests: NFPA 286 with the acceptance criteria of Section R302.9.4, FM 4880, UL 1040 or UL 1715, or fire tests related to actual end-use configurations. Approval shall be based on~~ an approved largescale test reflecting the actual end-use configuration and ~~shall be~~ performed on the finished foam plastic assembly in the maximum thickness intended for use. Assemblies tested shall include seams, joints and other typical details used in the installation of the assembly and shall be tested in the manner intended for use. The approved large-scale test shall comply with one of the following: NFPA 286 with the acceptance criteria of Section R302.9.4, FM 4880, UL 1040 or UL 1715.	L	L	A		A	Y	
89	R316.8	same	R303.8	Wind resistance.	N	24 IRC added text: installed directly over or under a sheathing…	L	L	A		A	Y	
90	R317	R317	R304	PROTECTION OF WOOD AND WOOD-BASED PRODUCTS AGAINST DECAY	N	2024 IRC renumbered section R317 to R304 including sub-sections thereof	L	L	A		A	Y	
91	R317.1	same	R304.1	PROTECTION OF WOOD AND WOOD-BASED PRODUCTS AGAINST DECAY	N	21 IRC REFORMATS the text in **item #1** and adds "In crawl spaces or unexcavated areas located within the periphery of the building foundation," "and wood columns where closer than 8 inches (204 mm) to exposed ground." **Item #2** adds this text "Wood framing members, including columns, that rest directly on concrete" 21 IRC then adds **items #8** and **#9** 24 IRC RENUMBERS the section and adds text to **item #8** to include "decks" and "covering that ~~would prevent~~ prevents moisture" and its **Exception**: Sawn lumber used in structures ~~buildings~~ located..	L	L	A		A	Y	
92	R317.3	same	R304.3	Fasteners and connectors in contact with preservative-treated and fireretardant-treated wood.	N	24 IRC added text: The coating weights for zinc-coated fasteners shall be in accordance with ASTM A153. The coating weight for zinc-coated nails shall be in accordance with ASTM A153 Class D or ASTM A641 Class 3S. Stainless steel driven fasteners shall be....	L	L	A		A	Y	
93	R318	same	R305	PROTECTION AGAINST SUBTERRANEAN TERMITES	N	24 IRC RENUMBERS section R318 to R305	L	L	A		A	Y	

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend	Description of Change	Safety & Health Value	Cost Impact	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus	Comments
					Y or N		N=None, L=Low M=Med, H=High					Y or N	
94	R322	same	R306	FLOOD-RESISTANT CONSTRUCTION	Y	2020 MSBC amends by deleting this section and referencing MN Rules Ch. 1335. 24 IRC RENUMBERS Section R322 to R306 ~~R322.1~~ R306.1 General. See Minnesota Rules, Chapter 1335	L	L	Amend keeping the 2020 MN amendment.		keep MN amendment	Y	
95	R323	same	R307	Storm Shelters	Y	2020 MSBC amends by deleting this section in it's entirety.	L	L	Amend keeping the 2020 MN amendment.		~~keep MN amendment~~ delete Amnendmt	Y	**3/11/325 CCP from Lisa H. : support the CCP to delete the MN Amendment and keep the model code language as written.**
96	R319	same	R308	Site address	N	24 IRC RENUMBERS section R319 to R308	L	L	A		A	A	
97	R313 R313.1	same	R309 R309.1	Automatic Sprinkler Systems	N	24 IRC RENUMBERS section R313 to R309 and changes the title: SECTION ~~R313~~ R309 AUTOMATIC ~~FIRE~~ SPRINKLER SYSTEMS ~~R313.1~~ R309.1 Townhouse automatic ~~fire~~ sprinkler systems. An automatic ~~residential fire~~ sprinkler system shall be installed in townhouses . 2020 MN amendement changed the exception: Exceptions: 1.An automatic ~~residential fire~~ sprinkler system shall not be required to be installed in a two-unit townhouse, unless required by Section ~~R313.4~~ R309.3. 2.An automatic ~~residential fire~~ sprinkler system shall not be required when additions or alterations are made to existing townhouses that do not have an automatic residential fire sprinkler system installed.	L	L	Accept the model code language and changes. Keep the MN amendment deleting "~~residential fire~~" in keeping with model code language and renumber reference to ~~R313.4~~ to R309.3.		Accept and Amend	Y	accept the model conde changes and keep the MN amendment adding exception 1 exxepmting 2-unit townhomes
98	R313.1.1	same	R309.1.1	Automatic Sprinkler Systems	Y	21 IRC change the text to read the same as the MN amendment.	L	L	Accept the model code language as written. MN amendment not needed.		accept the model code language as written	Y	model code language was changed to render MN amended language unneccessary
99	R313.2	same	R309.2	Automatic Sprinkler Systems - one and two family	Y	2020 MN amendment: ~~R313.2~~ R309.2 One- and two-family dwellings automatic ~~fire~~ sprinkler systems. An automatic ~~residential fire~~ sprinkler system shall not be required to be installed in one- and two-family dwellings, unless required by Section ~~R313.4~~ R309.3.	L	L	Accept the model code renumbering and text deletion and Keep the 2020 MN amendment language.		Accept and Amend	Y	accept the model conde changes and keep the MN amendment
100	R313.2.1	SAME	R309.2.1	Automatic Sprinkler Systems	Y	21 IRC change the text to read the same as the MN amendment.	L	L	Accept the model code language as written. MN amendment not needed.		accept the model code language as written	Y	MN amend not needed due to model code text changes
101	R313.4	SAME	R309.3	Automatic Sprinkler Systems-State licensed facilities	Y	R313.4 ~~State~~ licensed facilities RENUMBER to R309.3 word "State" and hyphen (-) removed from title because the body of the text addresses all licenses not just State Licensed Facilities (SLF). SLF redirected out of 1309?	L	L	**CCP?** TABLED pending 1300 and 1305 reivew and change of requirements.		~~**TABLED**~~ **AMEND**	Y	CCP? TABLED pending 1300 and 1305 reivew and change of requirements. **2/25/25 STAFF to coordinate with other TAGS**

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102	R313.3	SAME	R309.4	Automatic Sprinkler Systems-Installation requirements	Y	R313.3 Installation requirements RENUBMER to R309.4 In the beginning 2015 MSBC exempted only one-family dwellings, 4500 sft or less from sprinks. That is why R313.3 starts requiring only 2-family dwellings then adds townhouses. MN NOW Excludes One and Two family dwellings and 2 unit townhouses therefore only 3 or more unit townhouses require sprinks ~~R313.3~~ R309.4 I**nstallation requirements**. When an automatic sprinkler system is required in Townhouse buildings of 3 or more dwelling units ~~two-family dwellings~~, it shall be installed in accordance with IRC Section P2904 or NFPA 13D and ~~Automatic sprinkler systems required in two-family dwellings and townhouse buildings shall be installed~~ in accordance with the followong whichever is more restrictive:	L	L	TABLED pending **CCP** cleaning up section R313.3	~~**TABLED**~~ **AMEND**	Y	**2/25/25 KEEP MN AMD.**
103	R314, R314.1, R314.1.1	SAME	R310, R310.1, R310.1.1	Smoke alarms	N	24 IRC RENUMBERED and added language as indicated below: SECTION ~~R314~~ R310 SMOKE ALARMS ~~R314.1~~ R310.1 General. Smoke alarms shall comply with NFPA 72, and Section R310 and the manufacturer's installation instructions. ~~R314.1.1~~ R310.1.1 Listings. Smoke alarms shall be listed and labeled in accordance with UL 217. Combination smoke and carbon monoxide alarms shall be listed and labeled in accordance with UL 217 and UL 2034.	L	L	Accept the model code language as written. MN amendment not needed.	A	Y	
104	NA	NA	R310.1.2	Smoke alarms		24 IRC added this new subsection: R310.1.2 Installation. Smoke alarms and combination smoke and carbon monoxide alarms shall be installed in accordance with their listing and the manufacturer's instructions.	L	L	Accept the model code language as written. MN amendment not needed.	A	Y	
105	R314.2.2	SAME	R310.2.2	Smoke alarms	Y	R314.2.2 Alterations, repairs and additions. An individual dwelling unit shall be equipped with smoke alarms located as required for new dwellings when: 1.Alterations, repairs (including installation or replacement of windows or doors), or additions requiring a building permit occur; or 2.One or more sleeping rooms are added or created in existing dwellings. Exceptions: 1.Work involving the exterior surfaces of dwellings, such as the replacement of roofing or siding, or the addition of a an open porch or deck, or chimney repairs. 2.Installation, alteration, or repairs of plumbing, electrical, or mechanical systems.	L	L	Amend keeping the 2020 MN amendment.	A	Y	
106	R314.3	SAME	R310.3	Smoke alarms - Locations	N	21 IRC Added item #5 24 IRC Added item #6 and RENUMBERED	L	L	Accept the model code language as written. MN amendment not needed.	A	Y	

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107	R314.3.1	same	R310.3.1	Smoke alarms - Locations cooking appl.	N	24 IRC Deletes all numbered items and adds an exception: ~~R314.3.1~~ R310.3.1 Installation near cooking appliances. Smoke alarms shall ~~not~~ be installed not less than 10 feet (3048 mm) horizontally from a permanently installed cooking appliance. i~~n the following locations unless this would prevent placement of a smoke alarm ina location required by Section R310.3.~~ ~~1. Ionization smoke alarms shall not be installed less than 20 feet (6096 mm) horizontally from a permanently installed cooking appliance .~~ ~~2. Ionization smoke alarms with an alarm-silencing switch shall not be installed less than 10 feet (3048 mm) horizontally from a permanently installed cooking appliance .~~ ~~3. Photoelectric smoke alarms shall not be installed less than 6 feet (1828 mm) horizontally from a permanently installed cooking appliance .~~ ~~4. Smoke alarms listed and marked "helps reduce cooking nuisance alarms" shall not be installed less than 6 feet (1828 mm) horizontally from a permanently installed cooking appliance .~~ Exception: Smoke alarms shall be permitted to be installed not less than 6 feet (1829 mm) horizontally from a permanently installed cooking appliance where necessary to comply with Section R310.3.	L	L	A		A	Y	
108	R314.4	same	R310.4	Smoke alarms - Interconnection	Y	2020 MN amendment added an exception: Exception: Interconnection of smoke alarms in existing areas shall not be required where alterations or repairs do not result in removal of interior wall or ceiling finishes exposing the structure.	L	L	keep the MN amendment		AM	Y	KEEP THE MN AMENDMENT
109	R314.6	same	R310.6	Smoke alarms - Power source	Y	2020 MN amendment deletes Exception #2 and replaces it as follows: ~~2. Smoke alarms installed in accordance with Section R310.2.2 shall be permitted to be battery powered.~~ 2.Smoke alarms installed in existing areas shall be permitted to be battery powered provided any alterations or repairs do not result in the removal of interior wall or ceiling finishes exposing the structure.	L	L	keep the MN amendment		AM	Y	KEEP THE MN AMENDMENT
110	R315	same	R311	Carbon Monoxide Alarms	N	2020 MSBC , 2021 Section R315 RENUMBERED in 24 IRC to R311	L	L	A		A	Y	
111	R315.1.1	same	R311.1.1	CO Alarm LISTINGS	N	R311.1.1 Listings. Carbon monoxide alarms shall be listed and labeled in accordance with UL 2034. Combination carbon monoxide and smoke alarms shall be listed and labeled in accordance with UL 217 and UL 2034.	L	L	A		A	Y	
112	NA	NA	R311.1.2	INSTALLATION	N	2024 IRC adds a new section dealing with installation: R311.1.2 Installation. Carbon monoxide alarms , and combination carbon monoxide and smoke alarms, shall be installed in accordance with their listing and the manufacturer's instructions.	L	L	ACCEPT the new model code language as written.		A	Y	

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113	R315.2.1	same	R311.2.1	NEW CONST	Y	2020 MRC Amended this section as follows: R315.2.1 New construction. For new construction,~~carbon monoxide alarms shall be provided in dwelling units where either~~ every one-family dwelling unit, each unit in a two-family dwelling unit, and each townhouse dwelling unit shall be provided with an approved and operational carbon monoxide alarm where one or both of the following conditions exist.	L	L	ACCEPT the new model code language as written. DISCUSSION?		A	Y	After discussion it was a consensus that the MN amendment be deleted and the model code language be accepted
114	R315.2.2	same	R311.2.2	Alterations, repairs and addditions	y	2020 MRC Amended this section 24 IRC added exception #3 "Installation, alteration or repairs of mechanical systems that are not fuel fired."	L	L	keep the MN amendment as written OR ACCEPT the model code language and add "Electical"?		AM	Y	KEEP THE MN AMENDMENT
115	R315.3	same	R311.3	LOCATION	Y	2020 MRC Added specific distances and required on each level	L	L	KEEP EXISTING MN AMEND		AM	Y	KEEP THE MN AMENDMENT
116	R315.5	same	R311.5	INTERCONNECTIVITY	Y	2020 MRC Deleted the following language: Exception: Interconnection of carbon monoxide alarms in existing areas shall not be required where alterations or repairs do not result in removal of interior wall or ceiling finishes exposing the structure, ~~unless there is an attic, crawl space or basement available that could provide access for interconnection without the removal of interior finishes.~~	L	L	KEEP EXISTING MN AMEND?		AM	Y	KEEP THE MN AMENDMENT
117	R315.6	same	R311.6	POWER SOURCE	Y	2020 MRC Amended excep. #2: Carbon monoxide alarms installed in existing areas ~~accordance with Section R311.2.2~~ shall be permitted to be battery powered.~~-~~provided any alterations or repairs do not result in the removal of interior wall or ceiling finishes exposing the structure.	L	L	KEEP EXISTING MN AMEND?		AM	Y	KEEP THE MN AMENDMENT
118	R315.7	same	R311.7	GENERAL	N	24 IRC changes NFPA 720 to NFPA 72	L	L	ACCEPT the model code language		A	Y	
119	R304	same	R312	ROOM AREAS	N	RENUMBERED Section R304 to R312	L	L	ACCEPT RENUMBERING		A	Y	
120			R312.2	MIN. ROOM DIMS.					**CCP From Lisa H.**				**3/11/325 CCP from Lisa H. : CONSENSUS to support the CCP.**
121	R305	same	R313	CEILING HEIGHT	N	RENUMBERED Section R305 to R313	L	L	ACCEPT RENUMBERING		A	Y	
122	R305.1	same	R313.1	MIN HGT	Y	2020 MRC Amendment: R305.1 Minimum height, new buildings. Habitable space, hallways, bathrooms, toilet rooms, laundry rooms, and portions of basements containing these spaces shall have a ceiling height of not less than 7 feet (2134 mm). ~~Bathrooms, toilet rooms and laundry rooms shall have a ceiling height of not less than 6 feet 8 inches.~~ The required height shall be measured from the finish floor to the lowest projection from the ceiling. 2020 also deletes Exp. #3. 24 IRC addes a new Exp. #4	L	L	KEEP EXISTING MN AMEND?		A and AM	Y	ACCEPT THE MODEL CODE LANGUAGE INCLUDING EXP. #4 AND KEEP THE MN AMENDMENT LANGUAGE
123	R305.1.1	same	R313.1.1	BASEMENTS	Y	2020 MRC Adds " bathrooms, toilet rooms, and laundry rooms and deletes the word "~~at~~" from the beginning of the Exception.	L	L	KEEP EXISTING MN AMEND?		AM	Y	KEEP THE MN AMENDMENT

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124	NA	NA	R313.1.2	Habitable attics and basements in existing buildings	N	24 IRC adds a new section: R313.1.2 Habitable attics and basements in existing buildings. Where a habitable attic or habitable space in a basement is created in an existing building , ceiling height shall not be less than 6 feet 8 inches (2032 mm). Bathrooms, toilet rooms and laundry rooms shall have a ceiling height of not less than 6 feet 4 inches (1930 mm). Exceptions: 1. For rooms with sloped ceilings, the required floor area of the room shall have a ceiling height of not less than 5 feet (1524 mm) and not less than 50 percent of the required floor area shall have a ceiling height of not less than 6 feet 8 inches (2032 mm). 2. At beams, girders, ducts or other obstructions, the ceiling height shall be not less than 6 feet 4 inches (1930 mm) from the finished floor.	L	L	ACCEPT the model code language OR Delete "BASEMENTS" in lue of MN AMENDED language in Section R305.2.	TABLE		TABLE PENDING CCP FOR NEW AMENDMENT **2/25/25 Steve C. will draft CCP to amend R313.1.2 to incorporate 2020 MR R305.2 section language.**
125	R305.2	NA	NA	Alterations to existing building basements	Y	2020 MRC created its own section for alterations to existing basements.	L	L	keep the 2020 MN Amendment and renumber in keeping with section renumbering. R313.2	TABLE		TABLE TO COMPARE THE MODEL CODE WITH THE MN AMENDEMET May need new CCP **2/25/25 see line 124 above for CCP creation**
126	R325	same	R314	MEZZANINES	N`	Section R325 RENUMBERED to R314	L	L	ACCEPT RENUMBERING	A	Y	
127	R325.1	same	R314.1	general	N	24 IRC adds an exception to this section: Exception: Sleeping lofts in dwelling units and sleeping units shall be permitted to comply with Section R315, subject to the limitations in Section R315.2.	L	L	ACCEPT the model code language	A	Y	
128	R325.3	same	R314.3	Area limitation	N	21 & 24 IRC made minor Text changes.	L	L	ACCEPT the model code language	A	Y	
129	R325.5	same	R314.5	Openness	N	24 IRC made the following changes: R325.5 R314.5 Openness. Mezzanines shall be open and unobstructed to the room in which they are located except for walls not more than ~~36~~ 42 inches (914 1067 mm) in height, columns, beams and posts. ~~Exceptions:~~ ~~1. Mezzanines or portions thereof are not required to be open to the room in which they are located, provided that the aggregate floor area of the enclosed space is not greater than 10 percent of the mezzanine area.~~ ~~2. In buildings that are not more than two stories above grade plane and equipped throughout with an automatic sprinkler system in accordance with Section R309, a mezzanine shall not be required to be open to the room in which the mezzanine is located.~~ Exception: Mezzanines , or portions ~~thereof of~~ the mezzanines, are not required to be open to the room in which they are located, provided that ~~the aggregate floor area of~~ the enclosed ~~space is~~ spaces on the mezzanine are not greater than 10 percent of the mezzanine area.	L	L	ACCEPT the model code language	A	Y	

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130	NA	NA	R315.5.2.2	SLEEPING LOFTS	N	24 IRC Created a new section R315 Sleeping Lofts	L	L	Accept the model code section as written		~~TABLE~~ AMEND	y	TABLE PENDING CCP FROM KYLE THRAPP TO CLARIFY 2-4-25 meeting #7 consensus of members to Support the CCP from Kyle Thrapp
131			R315.1	SLEEPING LOFTS	N	R315.1 Sleeping lofts. Where provided in dwelling units or sleeping units, sleeping lofts shall be located in habitable spaces and shall comply with this code as modified by Sections R315.2 through R315.5. Sleeping lofts constructed in compliance with this section shall be considered a portion of the story below. Such sleeping lofts shall not contribute to the number of stories as regulated by this code.	L	L	CCP presented by Lisa H. Mpls. To add the text as indicated.		AMEND as per CCP from Lisa H. Mpls.	Y	members reviewed the CCP and supported it by consensus.
132	R325.6	R326	R316	HABITABLE ATTICS	N	21 IRC separated Habitable attics from Mezzanines and and created a separate section and Renumbered them R326. 24 IRC RENUMBERED R326 to the section R316	L	L	Accept the model code section creation and RENUMBERING		A	Y	
133	NA	R326.3	R316.3	Story above grade plane	N	24 IRC Amended Exp. #4 as follows: 4. Where a habitable attic is located above a third story, ~~the dwelling unit or townhouse unit shall be equipped with a fire~~ an automatic sprinkler system in accordance with Section P2904 shall be installed in the habitable attic and remaining portion of the townhouse unit or dwelling unit or units located beneath the habitable attic .	L	L	ACCEPT the model code language.		A	Y	
134	R309	same	R317	GARAGES AND CARPROTS	N	24 IRC RENUMBERED section R309 to R317	L	L	ACCEPT RENUMBERING		A	Y	
135	R309.1	same	R317.1	floor surface	Y	2020 MRC amended	L	L	Accept the MN Amendment		AM	Y	KEEP THE MN AMENDMENT
136	R309.2	same	R317.2	Carports	Y	2020 MRC amended	L	L	Accept the MN Amendment		AM	Y	KEEP THE MN AMENDMENT
137	R309.3	same	R317.3	flood hazard areas	Y	2020 MRC amended	L	L	Accept the MN Amendment		AM	Y	KEEP THE MN AMENDMENT
138	R309.4	same	R317.4	automatic garage door openers	Y	2020 MRC amended	L	L	Accept the MN Amendment		AM	Y	KEEP THE MN AMENDMENT
139	R309.5	same	R317.5	Fire sprinklers	Y	2020 MRC amended R309.5 Fire sprinklers. Attached garages of ~~two-family dwellings and~~ 3 or more unit townhouses shall be protected by fire sprinklers and installed in compliance with Section ~~R313.3~~ R309.4 installation requirements	L	L	Keep the existing MN amendment with changes **CCP** required to amend existing amendment to match section R309.		AM	Y	KEEP THE MN AMENDMENT with changes to match section 309 of the model code
140	NA	NA	R317.6	Electric vehicle charging systems.	N	24 IRC new section	L	L	DISCUSS		A	Y	
141	NA	NA	R317.7	Automotive Lifts.	N	24 IRC new section	L	L	DISCUSS		A	Y	
142	NA	NA	R317.7.1	Installation.	N	24 IRC new sub section	L	L	DISCUSS		A	Y	
143	R311	same	R318	MEANS OF EGRESS	N	RENUBMERING R311 to R318	L	L	ACCEPT the RENUMBERING		A	Y	
144	R311.1 & R311.2	same	R318.1 & R318.2		N	~~Dwellings~~ Dwelling units	L	L	ACCEPT model code change CCP presented for TAG review		Accept model code language as writtenx CCP denyed	Y	CCP was discussed but TAG members. Poll to accept or deny the CCP. Consensus all voting to deny.

To be completed by Chair										To be completed by TAG members		
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145	NA	NA	R318.2.1	MEANS OF EGRESS DOOR	Y	**CCP:** **Add new section** R318.2.1 Landing at required egress door. Exterior landings at the required egress door shall be supported on footings protected from frost in accordance with R403.1.4.1	L	L	DISCUSS	ACCEPT AS WRITTEN	Y	**5/20: consensus to support this 5/20 revision as written**
146	R311.3.2	same	R318.3.2	Floor elevations at other exterior doors.	Y	2020 MN AMENDMENT 24 IRC revisions ~~R311.3.2~~ R318.3.2 Floor elevations at other exterior doors. ~~Doors~~ Exterior doors other than the required egress door shall be provided with landings or floors not more than 7-3/4 inches (196 mm) below the top of the threshold. Exception: ~~A top~~ An exterior landing or floor is not required at the exterior doorway ~~where~~ if a stairway less than 30 inches (762 mm) in height ~~of not more than two risers~~ is located on the exterior side of the door, provided that the door does not swing over the stairway .The stairway height shall be measured vertically from the interior floor surface to the finished grade.	L	L	Accept the MN Amendment and 24 IRC revisions	A	Y	
147	R311.4	same	R318.4	Vertical egress	N	24 IRC changes as follows: ~~R311.4~~ R318.4 Vertical egress. Egress from basements and habitable levels ~~including habitable attics and basements~~ that	L	L	ACCEPT the model code language	A	Y	
148	R311.5	same	318.5.1	LANDINGS	y	CCP submitted for Frost protection of landings SCOTT ANDERSON MPLS.			TAG review and recommendations	**TABLE**		**TABLE** CCP is currently under review by the **Structural TAG** **2/25/25 remains tabled pending STRUCT. TAG** **3/11/25 CCP by Scott Anderson:** Struct. TAG did not review. TABLED to Revise the CCP to move the amendment to R318.3.1.1 **3/25: Tabled to revise CCP to move to R318.2.1 and pertain to LANDINGS only.** **3/27/25 Struct. TAG Rejected the CCP, Structural TAG consensus was that the burden of compliance with the proposal is excessive, particularly for replacements and the cost to older existing homes will be more than the CCP indicated.**
149	R311.7,	same	R318.7.1	STAIRWAYS general	Y	2020 MN AMENDED adding "general" to the section heading.	L	L	delete the MN amendment that added "general" and accept the model code language as written.	A	Y	REPEAL THE MN AMENDMENT

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150	R311.7.1 R311.7.1.1	NA	R318.7.1.1	Stairways serving dwellings or accessory structures.	Y	2020 MN Amendment added the text with section R311.7.1.1 now R318.7.1.1 21 IRC added text to R311.7 (R318.7) which encompasses all stairways with 3 exceptions. Exp. #1 uses the negative to mirror the intent of the MN amend. R311.7.1.1 rendering it superfluous. Exp. #2 & #3 those exceptions mirror the MN amend. #1 adding "Nonhbitable" to attics. The current MN amend. Exp.#2 could be kept: ~~2.~~ 4. Stairs that only provide access to plumbing, mechanical, or electrical equipment.	L	L	**CCP needed if Exp. 4 is kept** Keep the model code language and amend to delete MN amended language and numbering except include current Exp. #2 as Exp. #4.		A	Y	REPEAL THE MN AMENDMENT
151	R311.7.1.2	R311.7.1	R318.7.1	Width	Y	MN renubmered this section; if the above is followed the 24 IRC numbering can be kept. MN amended this section by adding: Handrails shall not project more than 4.5 inches (114 mm) on either side of the stairway and the minimum	L	L	Keep the MN amendment adding the text.		A	Y	REPEAL THE MN AMENDMENT
152	R311.7.2	same	R318.7.2	Headroom	Y	2020 MN Amended R311.7.2 Headroom. The minimum headroom in all parts of the stairway shall be not less than 6 feet 8 inches (2032 mm) measured vertically from the sloped line adjoining the tread nosing or from the floor surface of the landing or platform on that portion of the stairway. Exceptions: 1. Where the nosings of treads at the side of a flight extend under the edge of a floor opening through which the stair passes, the floor opening shall ~~not~~ be allowed to project horizontally into the required headroom ~~not more than~~ a maximum of 43/4 inches (121 mm). 2. The minimum headroom for existing buildings shall be in accordance with Section ~~R305.2.2~~ R313.2.2 3. The headroom for spiral stairways shall be in accordance with Section ~~R311.7.10.1~~.R318.7.11.1	L	L	Keep the MN amendment		R	Y	REPEAL THE MN AMENDMENT
153	R311.7.3	same	R318.7.3	Vertical rise	N	21 IRC changed 151 inches to 12 feet 7 inches	L	L	ACCEPT model code change		A	Y	
154	R311.7.5.3	same	R318.7.5.3	NOSINGS	N	24 IRC made text changes and added an Exp. #2	L	L	ACCEPT model code change		A	Y	

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155	R311.7.6	SAME	R318.7.6	Landings for stairways.	N	24 IRC made text changes and added 3 more exceptions: flight of stairs ~~stairway~~ Exceptions: 1. The top landing of an interior stairway , including those in an enclosed garage, shall be permitted to be on the other side of a door located at the top of the stairway ~~A floor or landing is not required at the top of an interior flight of stairs , including stairs in an enclosed garage~~ , provided that ~~a~~ the door does not swing over the stairs. 2. At an enclosed garage, the top landing at the stair shall be permitted to be not more than 73/4 inches (197 mm) below the top of the threshold. 3. At exterior doors, a top landing is not required for an exterior stairway of not more than two risers, provided that the door does not swing over the stairway . 4. Exterior stairways to grade with three or fewer risers serving a deck, porch or patio shall have a bottom landing width of not less than 36 inches (914 mm), provided that the stairway is not the required access to grade serving the required egress door.	L	L	Accept the model code language as written.		A	Y	
156	R311.7.7	SAME	R318.7.7	Stairway walking surface	N	21 IRC added text and an exception	L	L	Accept the model code language as written.		A	Y	
157	R311.7.8.1 THRU R311.7.8.6	SAME	NA	HANDRAILS	N	24 IRC DELETED all subsections of R311.7.8 for handrails and moved those provisions to its own new Section R320 HANDRAILS.	L	L	ACCEPT the model code deletion		A	Y	
158	NA	NA	R318.7.9	Stairways in existing buildings.	N	24 IRC created a new section using R318.7.9 R318.7.9 Stairways in existing buildings. Alterations to existing stairs shall not be required to comply with the requirements of this code where the existing space and construction does not allow a reduction in pitch or slope.	L	L	accept the model code change		TABLE		TABLE Pending CCP from Lisa H. to align with MN Amendment of R305.2.2 **2/25/25 Greg O. will draft CCP**
159	R311.7.11.2	SAME	R318.7.12.2	Handrails of alternating tread devices.	N	24 IRC RENUMBERED and made the following changes: Handrails shall be provided on both sides of alternating tread devices and shall comply with Section R320. ~~Sections R320.3 through R320.7. Handrail height shall be uniform, not less than 30 inches (762 mm) and not more than 34 inches (864 mm).~~	L	L	accept the model code change		A	Y	
160	R311.7.12.2	SAME	R318.7.13.2	Handrails of ship's ladders.	N	24 IRC RENUMBERED and made the following changes: Handrails shall be provided on both sides of ship's ladders and shall comply with Section R320 ~~Sections R320.3 through R320.7. Handrail height shall be uniform, not less than 30 inches (762 mm) and not more than 34 inches (864 mm) .~~	L	L	accept the model code change		A	Y	
161	R311.8	SAME	R318.8	RAMPS	N	21 IRC addes text after the heading: **Ramps.** Where required by this code or provided, ramps shall comply with this section. Exception: Ramps not within or serving a building , porch or deck. 24 IRC RENUMBERED	L	L	accept the model code change		A	Y	

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162	R311.8.3	SAME	R318.8.3	Handrails required.	N	24 IRC RENUMBERED and made the following changes: ~~R311.8.3~~ R318.8.3 Handrails shall be provided on not less than one side of ramps exceeding a slope of 1 unit vertical in 12 units horizontal (8.33-percent slope) and shall comply with Section R320.	L	L	accept the model code change		A	Y	
163	R310	SAME	R319	Emergency escape and rescue opening	N	24 IRC RENUMBERS	L	L	ACCEPT RENUMBERING		A	Y	
164	R310.1	SAME	R319.1	EEROs required	Y	2020 MN Amends this section ...one or more sleeping rooms, an emergency escape and rescue opening shall be required in each sleeping room. but not be required in adjoining areas of the basement. Emergency escape and rescue... **Exceptions:** 2. Basements or basement bedrooms when the building is protected with an automatic sprinkler system installed in accordance with IRC Section P2904 or NFPA 13D. 3. Basements or basement bedrooms where the entire basement area, including all portions of the means of egress to the level of exit discharge, and all areas on the level of exit discharge that are open to the means of egress is protected with an automatic sprinkler system in accordance with IRC Section P2904 or NFPA 13D.	L	L	compare with next line item to decide what stays and what goes				LINES 157 & 158 are a continuation of the same code section

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165	R310.1	SAME	R319.1	EEROs required	y	21 and 24 IRCs add text and exceptions: ~~R310.1~~ R319.1 Emergency escape and rescue opening required. Basements, habitable attics, the room to which a sleeping loft is open, and every sleeping room shall have not less than one operable emergency escape and rescue opening . Where basements contain one or more sleeping rooms, an emergency escape and rescue opening shall be required in each sleeping room. but not be required in adjoining areas of the basement. Emergency escape and rescue openings shall open directly into a public way , or to a yard or court ~~having a minimum width of 36 inches (914 mm)~~ that opens to a public way . **Exceptions:** 1. ~~Storm shelters and basements~~ Basements used only to house mechanical equipment not exceeding a total floor area of 200 square feet (18.58 m2). 2. Storm shelters constructed in accordance with ICC 500. 3. ~~2.~~ Where the dwelling unit or townhouse unit is equipped with an automatic sprinkler system installed in accordance with Section P2904, sleeping rooms in basements shall not be required to have emergency escape and rescue openings provided that the basement has one of the following: 3.1. ~~2.1.~~ One means of egress complying with Section R318 and one emergency escape and rescue opening . 3.2. ~~2.2.~~ Two means of egress complying with Section R318. 4. ~~3.~~ A yard shall not be required to open directly into a public way where the yard opens to an unobstructed path from the yard to the public way . Such path shall have a width of not less than 36 inches (914 mm).	L	L	see above **CCP submitted for this section**		REJECT the CCP AMEND	Y	Consensus was to DENY the CCP From J.Taylor and KEEP the Model Code Language and integrate the MN Amendment language wchich is indicated **in blue.** CCP Needed OR can staff intergrate MN Amend language? 3/11/25: Staff will intergrate language from MN amendment.
166	R310.1.1	SAME	R319.1.1	Operational constraints and opening control devices.	N	21 IRC added the following: Emergency escape and rescue openings shall be operational from the inside of the room without the use of keys, tools or special knowledge. Window opening control devices and fall prevention devices complying with ASTM F2090 shall be permitted for use on windows serving as a required emergency escape and rescue opening and shall be not more than 70 inches (178 cm) above the finished floor.	L	L	accept the model code language		A	Y	
167	R310.2	SAME	R319.2	Emergency escape and rescue openings.	N	21 IRC added the following: Emergency escape and rescue openings shall have minimum dimensions in accordance with Sections R319.2.1 through R319.2.4.	L	L	accept the model code language		A	Y	
168	R310.2.1	SAME	R319.2.1	Minimum size	N	21 IRC added the following: **Minimum size.** Emergency escape and rescue openings shall have a net clear opening of not less than 5.7 square feet (0.530 m2). **Exception:** The minimum net clear opening for grade-floor emergency escape and rescue openings shall be 5 square feet (0.465 m2).	L	L	accept the model code language		A	Y	

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169	R310.2.2	SAME	R319.2.2	Minimum dimensions.	N	21 IRC added the following NEW section: **Minimum dimensions.** The minimum net clear opening height dimension shall be 24 inches (610 mm). The minimum net clear opening width dimension shall be 20 inches (508 mm). The net clear opening dimensions shall be the result of normal operation of the opening.	L	L	accept the model code language		A	Y	
170	R310.2.3	SAME	R319.2.3	Maximum height from floor.	N	21 IRC added the following NEW section: **Maximum height from floor.** Emergency escape and rescue openings shall have the bottom of the clear opening not greater than 44 inches (1118 mm) above the floor. ~~where the sill height is below grade, it shall be provided with a window well in accordance with Section R310.2.3.~~	L	L	accept the model code language		A	Y	
171	R310.2.3	DELETED	DELETED	WINDOW WELLS	N	21 IRC DELETED the Window Wells section and its sub-sections RR310.2.3.1, R310.2.3.2 and instead uses R310.4 AREA WELLS.	L	L	accept the model code change		A	Y	
172	R310.2.4	SAME	R319.2.4	Emergency escape and rescue openings under decks, porches and cantilevers.	N	21 IRC added the following: **Emergency escape and rescue openings under decks, porches and cantilevers.** Emergency escape and rescue openings installed under decks, porches and cantilevers shall be fully openable and provide a path not less than 36 inches (914 mm) in height and 36 inches (914 mm) in width to a yard or court .	L	L	accept the model code language		A	Y	
173	R310.2.5	DELETED	DELETED	Replacement windows	N	21 IRC Deleted R310.2.5 and RENUMBERS Replacement windows section to R310.5 24 IRC RENUMBERS to R319.5	L	L	accept the model code change		A	Y	
174	R310.2.5.1	NA	NA	Licensed facilities.	Y	2020 MN Amendment R310.2.5.1 **Licensed facilities.** Windows in rooms used for foster care or day care licensed or registered by the state of Minnesota shall comply with the provisions of Section ~~R310.2.5~~ R319.5, or all of the following conditions, whichever is more restrictive: 1. Minimum of 20 inches (508 mm) in clear opening width; 2. Minimum of 20 inches (508 mm) in clear opening height; 3. Minimum of 648 square inches (4.5 square feet) clear opening; and 4. Maximum of 48 inches (1219 mm) from the floor to the sill height.	L	L	Keep the MN amendment and change the section number to R319.5.2		AMEND	Y	KEEP MN AMENDMENT AND CHANGE THE REFERENCE NUMBER
175	R310.3	SAME	R319.3	Emergency escape and rescue doors.	N	21 IRC added the following: Where a door is provided as the required emergency escape and rescue opening , it shall be a side-hinged door or a sliding door. ~~Where the opening is below the adjacent grade, it shall be provided with an area well.~~	L	L	accept the model code change		A	Y	
176	R310.3.1	DELETED	DELETED	Minimum door opening size	N	~~R310.3.1 Minimum door opening size. The minimum net clear height opening for any door that serves as an emergency and escape rescue opening shall be in accordance with Section R310.2.1.~~	L	L	accept the model code change		A	Y	

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177	R310.3.2	R310.4	R319.4	AREA WELLS	N	21 IRC moves AREA WELLS to its own section and adds opening text: 24 IRC RENUMBERS ~~R310.4~~ R319.4 Area wells. An emergency escape and rescue opening where the bottom of the clear opening is below the adjacent grade shall be provided with an area well in accordance with Sections R319.4.1 through R319.4.4.	L	L	accept the model code change		A	Y	
178	none	R310.4.1	R319.4.1	Minimum size	N	21 IRC added a new section	M	L	A		A	Y	
179	R310.3.2.1	R310.4.2, R310.4.2.1,R 310.4.2.2	R319.4.2, R319.4.2.1, R319.4.2.2	LADDERS AND STEPS	N	21 IRC broke this section apart adding subsections with the previous language	M	L	A		A	Y	
180	R310.3.2.2	R310.4.3	same	Area Well Drainage	N	21 IRC deleted some text: **Drainage.** Area wells shall be designed for proper drainage by connecting to the building's foundation drainage system required by Section R405.1 ~~or by an approved alternative method.~~	M	L	**CCP** Presented for review not deleting the text.		AMEND	N	POLL TAJKEN: ACCEPT THE CCP AMENDMENT - 7 DENY THE CCP AMENDMENT - 3
181	R310.4	R310.4.4	R319.4.4	Bars, grilles, covers and screens.	N	21 IRC Change some text: "emergency escape and rescue openings , bulkhead enclosures or area wells ~~or window wells~~ that serve such openings," It also added compliance with sections R319.2 through R319.2.2 and R319.4.1. 24 IRC Renumbered the sections	M	L	A		A	Y	
182	NA	R310.5	R319.5	Replacement windows for emergency escape and rescue openings	N	21 IRC added this new section R310.5 which was R310.2.5. **Replacement windows**. Replacement windows installed in buildings meeting the scope of this code shall be exempt from ~~the maximum sill height requirements of~~ Section ~~R310.2.2~~ R319.2and ~~the requirements of~~ Section ~~R310.2.1~~ R319.4.4, provided that the replacement window meets the following conditions:	M	L	A		A	Y	
183	NA	R310.5	R319.5	Replacement windows for emergency escape and rescue openings	Y	**CCPs from Scott Anderson and Nathan Webber also Greg Metz and Marvin/Andersen window companies.** 1. The replacement window is the manufacturer's largest standard size window that will fit within the existing frame or existing rough opening. The replacement window is shall be permitted to be of the same operating style as the existing window as long as it does not reduce the clear opening width or height by more than 2" or a style that provides for an equal or greater window opening area than the existing window.	M	L	**CCPs** Presented for review to add text.		**AMEND** **7/29 tabled**		**TABLE** pending more discussion on this CCP and additional feed back from manufacturers This language was in 2003 MN Res. Code but was later removed. **3/11/25 CCPs:** Nathan W. CCP TABLED pending info from ICC and additional CCPs being submitted. Scott And. CCP TABLED for further review by members. **3/25: Nathan W. withdrew his CCP.** **3/25: Scott And. CCP withdrawn,** **New CCP will be drafted by Staff.** **4/8: CCP from Greg Metz presented, Poll taken and CCP was supported by consensus.** **7/29: CCP was presented by Marvin/Andersen window companies. it was tabled for suggested revisions.**

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184	NA	NA	R319.5.1	Window opening control device and fall protection device height.	N	24 IRC addes this subsection to replacement windows: **R319.5.1 Window opening control device and fall protection device height.** Window opening control devices or fall protection devices shall be located at a height in accordance with Section R319.1.1 or at as low a height as the device can be installed within the existing clear opening.	M	L	A		A	Y	
185	R310.5	R310.6	R319.6	Dwelling additions.	N	21 IRC added a new exception: 3. An operable window complying with Section R319.7.1 shall be acceptable as an emergency escape and rescue opening .	M	L	A		~~**TABLED**~~ **amend**		**TABLED** Pending CCP from Lisa H., Scott Anderson, MPLS. **3/11/25 CCPs:** CCP TABLED for further review by members and amended language. **3/25/25: previous CCP withdrawn, NEW CCP submitted by Chris R. consensus of members to support.**
186	R310.6	R310.7	R319.7	Alterations or repairs of existing basements.	N	21 IRC added the 2018 exception into the opening language and added a new exception: **R319.7 Alterations or repairs of existing basements.** New sleeping rooms created in an existing basement shall be provided with emergency escape and rescue openings in accordance with Section R319.1. Other than new sleeping rooms, where existing basements undergo alterations or repairs , an emergency escape and rescue opening is not required. **Exception:** An operable window complying with Section R319.7.1 shall be acceptable as an emergency escape and rescue opening .	M	L	A		~~**TABLED**~~		**TABLED** Pending CCP from Lisa H., Scott Anderson, MPLS. **3/11/325 CCP: CCP TABLED for further review by members.** **3/25: Scott And. CCP withdrawn, New CCP will be drafted by Staff.**
187	R310.6.1	NA	NA will be R319.**7**	Sleeping rooms in existing basements.	Y	2020 MN amendment added this section and the following: **R310.6.1 Sleeping rooms in existing basements.** New sleeping rooms created in an existing basement shall be provided with emergency escape and rescue openings in accordance with Section R310.1. **Exception:** Emergency escape and rescue openings are not required to be provided where the entire basement area, including all portions of the means of egress to the level of exit discharge, and all areas on the level of exit discharge that are open to the means of egress are protected with an automatic sprinkler system in accordance with IRC Section P2904 or NFPA 13D.	M	L	**CCP Required** Keep the MN amendment language of the exception because the IRC assumes all dwellings are sprinked. Delete the beginning language that is now in R319.7.		~~**TABLED**~~		**TABLED** Pending CCP from Lisa H., Scott Anderson, MPLS. May be part of R319.7? **3/25: Scott And. CCP withdrawn, New CCP will be drafted by Staff.**

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188	NA	R310.7.1	R319.7.1	**Existing** emergency escape and rescue openings	N	**7/29: CCP was presented by Marvin/Andersen window companies.** 21 IRC added this new section: **R319.7.1 Existing emergency escape and rescue openings.** Where a **change of occupancy** would require an emergency escape and rescue opening in accordance with Section R319.1, operable windows serving as the emergency escape and rescue opening shall comply with the following: 1. An existing operable window shall provide a minimum net clear opening of 4 square feet (0.38 m2) with a minimum net clear opening height of 22 inches (559 mm) and a minimum net clear opening width of 20 inches (508 mm). 2. A replacement window where such window complies with both of the following: 2.1. The replacement window meets the size requirements in Item 1. 2.2. The replacement window is the manufacturer's largest standard-size window that will fit within the existing frame or existing rough opening. The replacement window shall be permitted to be of the same operating style as the existing window or a style that provides for an equal or greater window opening area than the existing window.	M	M	DISCUSS does this conflict with other MN code chapters? 1305, 1311? Change of occupancy other than IRC-1, IRC-2, IRC-3, IRC-4 will result in leaving 1309 and complying with 1305: see 1300.0040 subp. 2 other that item 1, the rest of the text is in R319.5 Replacement Windows.	~~TABLED~~		**TABLED** Pending CCP from Lisa H., Scott Anderson, MPLS. 3/11/25: TABLED to allow members more time to review submittals. **3/25: Scott And. CCP withdrawn,** **New CCP will be drafted by Staff.** **7/29: CCP was presented by Marvin/Andersen window companies. it was tabled for suggested revisions. Greg Metz and Chris R. will work with them.**
189	R311.7.8	same	R320	HANDRAILS	N	24 IRC relocated the Handrail subsection from R311.7.8 and created a new section R320 with new subsections	M	M	A	A	Y	
190	R311.7.8.1	same	R320.2	HEIGHT	N	24 IRC added text: ~~R311.7.8.1~~ R320.2 Height. Handrail height, measured vertically from the sloped plane adjoining the tread nosing , or finish surface of ramp slope, shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm). Handrail height on alternating tread devices and ship's ladders shall be uniform and not less than 30 inches (762 mm) and not more than 34 inches (864 mm).	M	M	A	A	Y	
191	R311.7.8.2	same	R320.3	Handrail projection.	n	24 IRC added text: ~~R311.7.8.2~~ R320.3 Handrail projection. Handrails shall not project more than 41/2 inches (114 mm) on either side of the stairway or ramp.	m	m	a	A	Y	

To be completed by Chair											To be completed by TAG members		
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192	R311.7.8.4	SAME	R320.5	continuity	N	24 IRC made the following text changes: ~~R311.7.8.4~~ R320.5 Continuity. Handrails shall be continuous for the full length of the flight , from a point directly above the ~~top riser~~ nosing of the landing at the top of the flight to a point directly above the lowest ~~riser~~ nosing of the flight . Handrails where required for ramps shall be continuous for the full length of the ramp . A handrail end shall be returned continuous to itself or toward a wall, guard or walking surface, ~~or shall terminate to a post~~. Handrail returns shall not form a gap more than 1/4 inch (6.4 mm) from the adjacent wall. **Exceptions:** 1. Handrail continuity shall be permitted to be interrupted by a newel post at a turn in a flight with winders , at a landing, or over the lowest tread. 2. A volute, turnout or starting easing shall be allowed to terminate over the lowest tread ~~and over the top landing.~~	M	M	A		A	Y	
193	R312	same	R321	GUARDS AND WINDOW FALL PROTECTION	N	24 IRC RENUMBERED this section	M	M	A		A	Y	
194	R312.1.1	same	R321.1.1	Where required	Y	21 IRC changed the language to now mirror 2020 MN amendment language.	m	m	delete the MN amendment and accept the model code language as written		REPEAL and Accept	Y	REPEAL THE MN AMENDMENT ACCEPT THE MODEL CODE LANGUAGE AS WRITTEN

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195	R312.2.1	same	R321.2.1	Window opening height	Y	21 IRC changed the title of this section to "Window Opening Height" MN had amended this section: ~~R312.2.1~~ R321.2.1 **Window sills.** In dwelling units, where the ~~lowest part~~ bottom of the clear opening of an operable window is located less than 24 inches above the finished floor and greater ~~more~~ than 72 inches (1829 mm) above the finished grade or surface below on the exterior of the building, the operable window shall comply with one of the following: ~~the lowest part of the window opening shall be a minimum of 36 inches (914 mm) above the finished floor of the room in which the window is located. Operable sections of windows shall not permit openings that allow passage of a 4-inch diameter (102 mm) sphere where such openings are located within 36 inches (914 mm) of the finished floor.~~ 1. Operable window openings will not allow a 4-inch-diameter (102 mm) sphere to pass through where the openings are in their largest opened position. 2. Operable windows are provided with window opening control devices or fall prevention devices that comply with ASTM F2090. ~~**Exceptions:**~~ ~~1. Windows with openings that will not allow a 4- inch-diameter (102 mm) sphere to pass through the opening when the window is in its largest opened position.~~ ~~2. Openings that are provided with window fall prevention devices that comply with ASTM F2090.~~ ~~3. Windows that are provided with window opening control devices that comply with Section R312.2.2.~~ ~~4. Replacement windows.~~	m	m	Accept the model code language and delete the MN amendment.		REPEAL and Accept	Y	REPEAL THE MN AMENDMENT ACCEPT THE MODEL CODE LANGUAGE AS WRITTEN
196	R312.2.2	same	R321.2.2	Emergency escape and rescue openings.	N	21 IRC changed the title of this section to "Emergency escape and rescue openings." and added the following: **R321.2.2 Emergency escape and rescue openings.** Where an operable window serves as an emergency escape and rescue opening , a window opening control device or fall prevention device, after operation to release the control device or fall prevention device allowing the window to fully open, shall not reduce the net clear opening area of the window unit to less than the area required by Sections R319.2.1 and R319.2.2.	M	M	A		A	Y	FYI: there were no changes to R319.2.1 or R319.2.2
197	R320	same	R322	ACCESSIBILITY	N	RENUMBERING of the section	M	M	A		A	Y	
198	R320.1	same	R322.1	Dwelling units or sleeping units.	Y	21 IRC moved the exception from the next section to this section. 24 IRC RENUMBERED the section and changed the title to "Dwelling units or sleeping units." 2020 MN made the following chnages: **R320.1 Scope.** Where there are four or more IRC-3 dwelling units or sleeping units in a single structure, the provisions ~~of Chapter 11 of the International Building Code~~ for Group R-3 occupancies located in Minnesota Rules, Chapter 1341, Minnesota Accessibility Code, shall apply.	M	M			AMEND	Y	KEEP THE EXISTING MN AMENDMENT

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199	R320.1.1	same	NA	GUESTROOMS	Y	21 IRC Deleted this section, there is no longer a need for the MN amendemnt	M	M	Delete the MN amendment		REPEAL	Y	REPEAL THE MN AMENDMENT THERE IS NO LONGER A NEED AS 21 IRC DELETED THIS SECTION
200	R320.2	same	R322.2	LIVE WORK UNITS	Y	2020 MRC deleted this section by amendment	M	M	Keep the MN amendment		AMEND	Y	KEEP THE MN AMENDMENT TO DELETE THIS SECTION
201	NA	NA	R322.3	CARE FACILITIES	N	24 IRC added ths new section: R322.3 Care facilities. Where care facilities are permitted to be constructed in accordance with Section R101.2, the portions of the dwelling used to operate a business providing care shall be accessible in accordance with Chapter 11 of the International Building Code.	M	M	CCP Needed to direct to the appropriate MN rules and codes.		REJECT and AMEND	Y	DELETE the model code language and redirect to the appropriate MN Rules.
202	R321	same	R323	ELEVATORS AND PLATFORM LIFTS	N	24 IRC RENUMBERED	M	M	A		A	Y	
203	R321.1	same	R323.1	ELEVATORS	Y	2020 MRC Amended this section as follows: ~~R321.1~~ R323.1 Elevators, platform lifts. For elevator and platform lift requirements, see Minnesota Rules, Chapter 1307, Elevators and Related Devices.	M	M	Keep the MN amendment		AMEND	Y	KEEP THE MN AMENDED LANGUAGE
204	R321.2	SAME	R323.2	Platform lifts	Y	2020 MRC deleted this section by amendment	M	M	Keep the MN amendment		AMEND	Y	KEEP THE MN AMENDED LANGUAGE
205	R321.3	SAME	R323.3	ACCESSIBILITY	Y	2020 MRC deleted this section by amendment	M	M	Keep the MN amendment		AMEND	Y	KEEP THE MN AMENDED LANGUAGE
206	R308	SAME	R324	GLAZING	N	24 IRC RENUMBERED this section	M	M	A		A	Y	
207	R308.4.5	SAME	R324.4.5	Glazing and wet surfaces.	N	21 IRC added the following: **R324.4.5 Glazing and wet surfaces**. Glazing in walls, enclosures or fences containing or adjacent to hot tubs, spas, whirlpools, saunas, steam rooms, bathtubs, showers and indoor or outdoor swimming pools where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface shall be considered to be a hazardous location . This shall apply to single glazing and each pane in multiple glazing. **Exception:** Glazing that is more than 60 inches (1524 mm), measured horizontally, from the water's edge of a bathtub, hot tub, spa, whirlpool or swimming pool or from the edge of a shower, sauna or steam room.	M	M	A		A	Y	
208	R308.4.6	SAME	R324.4.6	Glazing adjacent to stairs and ramps.	N	24 IRC Added and deleted the following: ~~**R308.4.6**~~ R324.4.6 **Glazing adjacent to stairs and ramps**. Glazing installed where the bottom exposed edge of the glazing is less than 36 inches (914 mm) above the plane of the adjacent walking surface of flights of stairs, ramp runs ~~stairways~~ , landings between flights of stairs and landings between ramp runs ~~ramps~~ shall be considered to be in a hazardous location .	M	M	A		A	Y	

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209	R308.6.3	SAME	R324.6.3	SCREENS GENERAL	N	21 IRC added the following: ~~**R308.6.3**~~ **R324.6.3 Screens, general.** For fully tempered or heat-strengthened glass, abroken glass retention screen meeting the requirements of Section R324.6.7 shall be installed below the full area of the glass, except for fully tempered glass that meets Condition 1 or 2 listed in Section R324.6.5.	M	M	A		A	Y	
210	R308.6.4	SAME	R324.6.4	Screens with multiple glazing.	N	21 IRC Added the following: **R308.6.4 R324.6.4 Screens with multiple glazing.** Where the inboard pane is fully tempered, heat-strengthened or wired glass, a broken glass retention screen meeting the requirements of Section R324.6.7 shall be installed below the full area of the glass, except for Condition 1 or 2 listed in Section R324.6.5. Other panes in the multiple glazing shall be of any type listed in Section R324.6.2.	M	M	A		A	Y	
211	R308.6.5	same	R324.6.5	Screens not required.	N	**21 IRC added the following:** ~~**R308.6.5**~~ **R324.6.5 Screens not required**. Screens shall not be required where laminated glass complying with Item 1 of Section R324.6.2 is used as single glazing or the inboard pane in multiple glazing. Screens shall not be required where fully tempered glass is used as single glazing or the inboard pane in multiple glazing and either of the following conditions is met: **24 IRC made the following change:** 2. ~~The glass area is greater than 16 square feet (1.49 m2); the~~ glass is sloped 30 degrees (0.52 rad) or less from vertical; and the highest point of glass is not more than 10 feet (3048 mm) above a walking surface.	M	M	A		A	Y	
212	R308.6.7	same	R324.6.7	Screen characteristics.	N	21 IRC addedScreen characteristics. The screen and its fastenings shall: be capable of supporting twice the weight of the glazing; be firmly and substantially fastened to the framing members; be installed within 4 inches (102 mm) of the glass; and have a mesh opening of not greater than 1 inch by 1 inch (25 mm by 25 mm).	M	M	A		A	Y	
213	R303	same	R324	LIGHT, VENTILATION AND HEATING	N	RENUMBERED from R303 to R325	M	M	A		A	Y	
214	R303.1	same	R325.1	HABITABLE ROOMS	N	21 IRC made some changes but 24 IRC deleted all opening language and replaced it with sub-sections. **R303.1 R325.1 Habitable rooms.** Habitable space shall be provided natural light and natural ventilation in accordance with Sections R325.1.1 through R325.1.3.	M	M	A		AMEND	Y	CCP presented by Mike Moore via Chris R. to change language. **2/4: 1309 Menbers had a consensus to support the CCP** **MECH TAG supported it by consensus also.**

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215	NA	NA	R325.1.1	NATURAL LIGHT	N	24 IRC created this new sub-section: **R325.1.1 Natural light**. Habitable rooms shall have an aggregate area of glazed openings not less than 8 percent of the floor area of such rooms. Required glazed openings shall face directly onto a street, alley or public way , or a yard or court located on the same lot as the building . **Exceptions:** 1. Required glazed openings shall be permitted to face into a roofed porch, deck or patio adjacent to a street, alley, public way , yard or court , where there the longer side of the roofed area is not less than 65 percent unobstructed and the ceiling height is not less than 7 feet (2134 mm). 2. Required glazed openings shall be permitted to face into a sunroom adjacent to a street, alley, public way , yard or court . 3. Glazed openings are not required where artificial light is provided that is capable of producing an average illumination of 6 footcandles (65 lux) over the area of the room at a height of 30 inches (762 mm) above the floor level. 4. Eave projections shall not be considered as obstructing the clear open space of a yard or court .	M	M	A		A	Y	
216	NA	NA	R325.1.2	NATURAL VENTILATION	N	24 IRC created this new sub-section: **R325.1.2 Natural ventilation.** Habitable rooms shall have an aggregate area openable tothe outdoors not less than 4 percent of the floor area of such rooms. Openings shall be through windows, skylights , doors, louvers or other approved openings to the outdoor air. Such openings shall be provided with ready access or shall otherwise be readily controllable by the building occupants. Exceptions: 1. Natural ventilation shall not be required in habitable rooms other than kitchens where a whole-house mechanical ventilation system or a mechanical ventilation system capable of producing 0.35 air changes per hour in the habitable rooms is installed in accordance with Section M1505. 2. Natural ventilation shall not be required in kitchens where a local exhaust system is installed in accordance with Section M1505. 3. Required ventilation openings shall be permitted to open into a thermally isolated sunroom or roofed porch, deck, or patio where not less than 40 percent of the roofed area perimeter is open to the outdoor air. 4. Required ventilation openings shall be permitted to open into a thermally isolated sunroom provided there is an openable area between the adjoining room and the sunroom of not less than one-tenth of the floor area of the interior room and not less than 20 square feet (1.9 m2). The minimum openable area of the sunroom to outdoor air shall be based on the total floor area of the adjoining room and the sunroom.	M	M	A		AMEND	Y	CCP presented by Mike Moore via Chris R. to change language. **2/4: 1309 Menbers had a consensus to support the CCP** **MECH TAG supported it by consensus also.** **3/11/325 CCP from Chris R.: will rewrite the CCP so that R325.3 redirects to 1309 Ch. 15 & 16 which addresses the issue.**

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217	R303.2	same	R325.1.3	Adjoining rooms.	N	24 IRC RENUMBERED this section and deleted the exception: ~~**R303.2**~~ **R325.1.3 Adjoining rooms**. For the purpose of determining light and ventilation requirements, rooms shall be considered to be a portion of an adjoining room where not less than one-half of the area of the common wall is open and unobstructed and provides an opening of not less than one-tenth of the floor area of the interior room and not less than 25 square feet (2.3 m 2). ~~**Exception**: Openings required for light or ventilation shall be permitted to open into a sunroom with thermal isolation or a patio cover, provided that there is an openable area between the adjoining room and the sunroom or patio cover of not less than one-tenth of the floor area of the interior room and not less than 20 square feet (2 m2). The minimum openable area to the outdoors shall be based on the total floor area being ventilated.~~	M	M	A		AMEND	Y	CCP presented by Mike Moore via Chris R. to change language. **2/4: 1309 Menbers had a consensus to support the CCP** **MECH TAG supported it by consensus also.**
218	R303.4	same	R325.3	Mechanical ventilation.	Y	**2020 MN amendment:** R303.4 Mechanical ventilation. Mechanical ventilation of a dwelling unit shall comply with either Minnesota Rules, Chapter 1322 or 1346. **21, 24 IRC added this section:** **R325.3 Mechanical ventilation**. Buildings and dwelling units complying with Section N1102.5.1 shall be provided with mechanical ventilation in accordance with Section M1505, or with other approved means of ventilation .	M	M	Keep MN amendment or is model code language sufficient now that we are adding Ch. 11, 12-24?		AMEND	Y	CCP presented by Mike Moore via Chris R. to change language. **2/4: 1309 Menbers had a consensus to support the CCP** **MECH TAG supported it by consensus also.**
219	R303.9, R303.9.1	same	NA	Required Glazed Openings Sunroom additions	N	24 IRC Deleted R303.9 Required glazed openings and its sub-section R303.9.1 Sunroom additions.	M	M	A		A	Y	
220	R303.10		R325.8	REQUIRED HEATING		24 IRC Numbering change **CCP from Nick Erickson for text changes**			review		A	Y	CCP for language changes was Supported by consensus of members **3/25: Nick Erickson withdrew the CCP.**
221	NA		R325.8.1	REQUIRED HEATING		**New section created by CCP from Nick Erickson**			review in Mech TAG		~~**TABLE**~~ **Accept**		**TABLED** to refer to MECH TAG for review **3/11/325 CCP:** Recinded the CCP in lue of a new CCP. **3/25: Nick Erickson withdrew the CCP.**
222	NA		R325.9	Commissioning of Dwelling Forced Air heating systems	Y	**this is a new section proposed by Nick Erickson's CCP to require Commissioning of Dwelling (MRC) Forced Air Heating Systems**			review		~~**TABLED**~~ **APPROVED**	Y	4/22: Mech TAG consensus to approve. TABLED for revisions to language as discusseed at this TAG. Will resubmit for 5/20 meeting **5/20: APPROVED by consensus**
223	NA		R325.10	Ducts in Dwelling separation walls	Y	**this is a new section proposed by Chris R. Staff addressing ducts in dwelling unit separation walls.**			review		**AMEND**		4/22: CCP supported by consensus.
224	R306	same	R326	SANITATION	N	24 IRC RENUMBERED ONLY no changes	M	M	A		A	Y	

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225	R307	same	R327	TOILET, BATH AND SHOWER SPACES	N	24 IRC RENUMBERED	M	M	A		A	Y	
226	R307.1	same	R327.1	SPACE REQUIRED	Y	2020 MN Amended to direct to Ch. 4714	M	M	Keep the MN amendment		AMEND	Y	Keep the MN amendment
227	Figure R307.1	same	figure R327.1	Min. fixture Clearances	Y	2020 MN Amendment deleted this figure.	M	M	keep the MN amendment		AMEND	Y	Keep the MN amendment
228	R326, R326.1	R327, R327.1	R328, R328.1	SWIMMING POOLS, SPAS AND HOT TUBS	Y	2020 MN Amendment deleted this section and its sub-section	M	M	keep the MN amendment		AMEND	Y	Keep the MN amendment
229	R324.3	same	R329.3	Photovoltaic systems.	N	21 IRC Added the following: ~~**R324.3**~~ **R329.3 Photovoltaic systems**. Photovoltaic (PV) systems shall be designed and installed in accordance with Sections R329.3.1 through R329.8.1 and the manufacturer's installation instructions. The electrical portion of solar PV systems shall be designed and installed in accordance with NFPA 70.	M	M	A		A	Y	
230	R324.3.1	same	R329.3.1	Equipment listings.	N	21 & 24 IRC made the following changes: ~~**R324.3.1**~~ **R329.3.1 Equipment listings**. Photovoltaic panels and modules shall be listed and labeled in accordance with UL 1703 or with both UL 61730-1 and UL 61730-2. Inverters shall be listed and labeled in accordance with UL 1741. Systems connected to the utility grid shall use inverters listed for utility interaction. Mounting systems listed and labeled in accordance with UL 2703 shall be installed in accordance with the manufacturer's installation instructions and their listings. Building-integrated photovoltaic (BIPV) roof coverings and BIPV roof assemblies shall be listed and labeled in accordance with UL 7103.	M	M	A		A	Y	
231	R324.5	same	R329.5	Building-integrated photovoltaic systems	N	~~**R324.5**~~ **R329.5 Building-integrated photovoltaic systems**. Building-integrated photovoltaic (BIPV) systems ~~that serve as roof coverings~~ shall be designed and installed in accordance with ~~Section R905~~ Sections R329.5.1 through R329.5.2.	M	M	A		A	Y	
232	R324.5.1	same	R329.5.1	BIPV roofing systems.	N	~~R324.5.1~~ R329.5.1 ~~Photovoltaic shingle s~~ BIPV roofing systems. ~~Photovoltaic shingles~~ BIPV roofing systems shall comply with Section R905.15. BIPV roof panels shall comply with Section R905.16.	M	M	A		A	Y	
233	R324.5.3	same	R329.5.2	BIPV	N	~~**R324.5.3**~~ **R329.5.2 BIPV** ~~roof panels~~ exterior wall coverings and fenestration. ~~BIPV roof panels shall comply with Section R905.16~~. BIPV exterior wall coverings and fenestration shall comply with Section R705.	M	M	A		A	Y	
234	R324.6	same	R329.6	Roof access and pathways.	N	21 IRC added exception 4 & 24 IRC made the following changes to exception 4: 4. BIPV systems listed in accordance with ~~Section 690.12(B)(2) of NFPA 70~~ UL 3741, where the removal or cutting away of portions of the BIPV system during firefighting operations has been determined to not expose a firefighter to electrical shock hazards.	M	M	A		A	Y	

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235	R324.6.2.1	same	R329.6.2.1	Alternative setback at ridge	N	**R329.6.2.1 Alternative setback at ridge**. Where an automatic sprinkler system is installed within the dwelling or townhouse....	M	M	A		A	Y	
236	R324.6.2.2	R324.6.3	R329.6.3	Emergency escape and rescue openings	N	21 IRC changed the sub-scetion to a section then 24 IRC RENUMBERED ~~**R324.6.3**~~ **R329.6.3 Emergency escape and rescue openings**. Panels and modules installed on dwellings or townhouses shall not be placed on the portion of a roof that is below an emergency escape and rescue opening . A pathway not less than 36 inches (914 mm) wide shall be provided to the emergency escape and rescue opening . **Exception:** BIPV systems listed in accordance with ~~Section 690.12(B)(2) of NFPA 70~~ UL 3741 , where the removal or cutting away of portions of the BIPV system during firefighting operations has been determined to not expose a firefighter to electrical shock hazards.	M	M	A		A	Y	
237	NA	NA	R329.6.4	Building-integrated photovoltaic (BIPV) systems	N	24 IRC created this new section: **R329.6.4 Building-integrated photovoltaic (BIPV) systems.** Where building-integrated photovoltaic (BIPV) systems are installed in a manner creating areas with electrical hazards that are hidden from view, markings shall be provided to identify the hazardous areas to avoid for ladder placement. The markings shall be reflective and be visible from grade beneath the eaves or other location approved by the fire code official. **Exception**: BIPV systems listed in accordance with UL 3741, where the removal or cutting away of portions of the BIPV system during firefighting operations have been determined to not expose a firefighter to electrical shock hazards.	M	M	A		A	Y	
238	NA	NA	R329.7	Elevated photovoltaic (PV) support structures	N	24 IRC created this new section: **R329.7 Elevated photovoltaic (PV) support structures.** Elevated PV support structures used as an accessory structure shall comply with either Section R329.7.1 or R329.7.2. Elevated PV support structures shall be considered a roof for the purposes of establishing the number of stories and fire separation distances.	M	M	A		A	Y	
239	NA	NA	R329.7.1	PV panels installed over open-grid framing or noncombustible deck.	N	24 IRC created this new sub-section: **R329.7.1 PV panels installed over open-grid framing or noncombustible deck**. Elevated PV support structures with PV panels installed over open-grid framing or over a noncombustible deck shall have PV panels tested, listed and labeled with a fire type rating in accordance with UL 1703 or with both UL 61730-1 and UL 61730-2. Photovoltaic panels marked “not fire rated” shall not be installed on elevated PV support structures.	M	M	A		A	Y	
240	NA	NA	R329.7.2	PV panels installed over a roof assembly	N	24 IRC created this new sub-section: **R329.7.2 PV panels installed over a roof assembly.** Elevated PV support structures with a PV panel system installed over a roof assembly shall have a fire classification in accordance with Section R902.4.	M	M	A		A	Y	

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241	R327	R328	R330	ENERGY STORAGE SYSTEMS	N	21 IRC Broke R327 Stationary Storage Battery Systems into R328 Energy Storage Systems and R329 Stationary Engine Generators and R330 Stationary Fuel Cell Power Systems. 24 IRC RENUMBERED THEM MN had not amended the former section	M	M	A		A	Y	
242	NA		R330.1	GENERAL	N	**R330.1 General.** Energy storage systems (ESS) shall comply with the provisions of this section. **Exceptions:** 1. ESS listed and labeled for use in habitable spaces, in accordance with UL 9540 and marked “For use in residential dwelling units” where installed in accordance with the listing, the manufacturer’s instructions and NFPA 70. 2. ESS less than 1 kWh (3.6 megajoules).	M	M	A		A	Y	
243	NA		R330.2	Equipment listings.	N	**R330.2 Equipment listings.** Energy storage systems (ESS) shall be listed and labeled in accordance with UL 9540. **Exception:** Where approved , repurposed unlisted battery systems from electric vehicles are allowed to be installed outdoors or in detached sheds located not less than 5 feet (1524 mm) from exterior walls, property lines and public ways .	M,	M	A		A	Y	
244	NA		R330.3, R330.3.1		N	**R330.3 Installation**. ESS shall be installed in accordance with the manufacturer’s instructions and their listing . **R330.3.1 Spacing**. Individual units shall be separated from each other by not less than 3 feet (914 mm) except whereother separation distances arespecified by the ESS listing and the manufacturer's installation instructions.	M	M	A		A	Y	

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245	NA		R330.4		N	**R330.4 Locations.** ESS shall be installed only in the following locations: 1. Detached garages and detached accessory structures . 2. Attached garages separated from the dwelling unit living space in accordance with Section R302.6. 3. Outdoors or on the exterior side of exterior walls located not less than 3 feet (914 mm) from doors and windows directly entering the dwelling unit , except where smaller separation distances are permitted by the UL 9540 listing and manufacturer's installation instructions. 4. Enclosed utility closets , basements , storage or utility spaces within dwelling units with finished or noncombustible walls and ceilings. Walls and ceilings of unfinished woodframed construction shall be provided with not less than 5/8-inch (15.9 mm) Type X gypsum wallboard . Openings into the dwelling shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb-core steel doors not less than 13/8 inches (35 mm) in thickness, or doors with a 20-minute fire protection rating. Doors shall be self-latching and equipped with a self-closing or an automatic-closing device. Penetrations through the required gypsum wallboard into the dwelling shall be protected as required by Section R302.11, Item 4. ESS shall not be installed in sleeping rooms, or closets or spaces opening directly into sleeping rooms.	M	M	A		A	Y	
246	NA		R330.5		N	**R330.5 Energy ratings.** Individual ESS units shall have a maximum rating of 20 kWh. The aggregate rating of the ESS shall not exceed: 1. 40 kWh within utility closets , basements and storage or utility spaces. 2. 80 kWh in attached or detached garages and detached accessory structures . 3. 80 kWh on exterior walls. 4. 80 kWh outdoors on the ground. ESS installations exceeding the permitted individual or aggregate ratings shall be installed in accordance with Section 1207 of the International Fire Code.	M	M	A		A	Y	
247	NA		R330.7		N	**R330.7 Fire detection.** Rooms and areas within dwelling units , basements and attached garages in which ESS are installed shall be protected by smoke alarms in accordance with Section R310. A heat detector, listed and interconnected to the smoke alarms, shall be installed in locations within dwelling units and attached garages where smoke alarms cannot be installed based on their listing.	M	M	A		A	Y	

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248	NA		R330.8, R330.8.1		N	**R330.8 Protection from impact.** ESS installed in a location subject to vehicle damage shall be protected by approved barriers in accordance with Section R330.8.1 or R330.8.2 . R330.8.1 Garages. Where an ESS is installed in the normal driving path of vehicle travel within a garage, impact protection complying with Section R330.8.3 shall be provided. The normal driving path is a space between the garage vehicle opening and the interior face of the back wall to a height of 48 inches (1219 mm) above the finished floor. The width of the normal driving path shall be equal to the width of the garage door opening. Impact protection shall also be provided for an ESS installed at either of the following locations (see Figure R330.8.1): 1. On the interior face of the back wall and located within 36 inches (914 mm) to the left or to the right of the normal driving path. 2. On the interior face of a side wall and located within 24 inches (610 mm) from the back wall and 36 inches (914 mm) of the normal driving path. **Exception**: Where the clear height of the vehicle garage opening is 7 feet 6 inches (2286 mm) or less, ESS installed not less than 36 inches (914 mm) above finished floor are not subject to vehicle impact protection requirements.	M	M	A		A	Y	
249	NA		FIGURE R330.8.1	ESS VEHICLE IMPACT PROTECTION	N	FIGURE DETAILING IMPACT PROTECTION	M	M	A		A	Y	
250	NA		R330.8.2		N	**R330.8.2 Other locations subject to vehicle impact**. Where an ESS is installed in a location other than as defined in Section R330.8.1 and is subject to vehicle damage, impact protection shall be provided in accordance with Section R330.8.3.	M	M	A		A	Y	

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251	NA		R330.8.3	Impact protection options	N	**R330.8.3 Impact protection options**. ESS protection shall comply with one of the following: 1. Bollards constructed in accordance with one of the following: 1.1. Minimum 48 inches (1219 mm) in length by 3 inches (76 mm) in diameter Schedule 80 steel pipe embedded in a concrete pier not less than 12 inches (305 mm) deep and 6 inches (152 mm) in diameter, with not less than 36 inches (914 mm) of pipe exposed, filled with concrete and spaced at a maximum interval of5 feet (1524 mm). Each bollard shall be located not less than 6 inches (152 mm) from an ESS. 1.2. Minimum 36 inches (914 mm) in height by 3 inches (76 mm) in diameter Schedule 80 steel pipe fully welded to a steel plate not less than 8 inches (203 mm) in length by 1/4 inch (6.4 mm) in thickness and bolted to a concrete floor by means of 41/2-inch (114 mm) concrete anchors imbedded not less than 3 inches (76 mm). Spacing shall be not greater than 60 inches (1524 mm), and each bollard shall be located not less than 6 inches (152 mm) from the ESS. 1.3. Premanufactured steel pipe bollards filled with concrete and anchored in accordance with the manufacturer's installation instructions, with spacing not greater than 60 inches (1524 mm). Each bollard shall be located not less than 6 inches (152 mm) from the ESS.	M	M	A		A	Y	
252	NA		R330.8.3 continued		N	2. Wheel barriers constructed in accordance with one of the following: 2.1. Concrete or polymer 4 inches (102 mm) in height by 5 inches (127 mm) in width by 70 inches (1778 mm) in length, anchored to the concrete floor not less than every 36 inches (914 mm) and located not less than 54 inches (1372 mm) from the ESS. Concrete anchors not less than 31/2 inches (89 mm) in diameter with 3-inch (76 mm) embedment per barrier shall be used. Spacing between barriers shall be not greater than 36 inches (914 mm). 2.2. Premanufactured wheel barriers shall be anchored in accordance with the manufacturer's installation instructions. 3. An approved method designed to resist an impact of 2,000 pounds per square foot (95 760 N/m2) in the direction of travel at 24 inches (610 mm) above grade .	M	M	A		A	Y	
253	NA		R330.9		N	**R330.9 Ventilation.** Indoor installations of ESS that produce hydrogen or other flammable gases during charging shall be provided with mechanical ventilation in accordance with Section M1307.4.	M	M	A		A	Y	
254	NA		R330.10		N	**R330.10 Electric vehicle use**. The temporary use of an owner or occupant's electricpowered vehicle to power a dwelling unit while parked in an attached or detached garage or outdoors shall comply with the vehicle manufacturer's instructions and NFPA 70.	M	M	A		A	Y	

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255	NA		R330.11		N	**R330.11 Documentation and labeling**. The following information shall be provided: 1. A copy of the manufacturer's installation, operation, maintenance and decommissioning instructions shall be provided to the owner or placed in a conspicuous location near the ESS equipment. 2. A label on the installed system containing the contact information for the qualified maintenance and service providers.	M	M	A		A	Y	
256	NA		R331, R331.1, R331.2	STATIONARY ENGINE GENERATORS	N	**R331.1 General.** Stationary engine generators shall be listed and labeled in accordance with UL 2200 and shall comply with this section. The connection of stationary engine generators to the premise wiring system shall be by means of a listed transfer switch. **R331.2 Installation.** The installation of stationary engine generators shall be in an approved location and in accordance with the listing, the manufacturer's installation instructions and Chapters 34 through 43.	M	M	A		A	Y	
257	NA		R332.1	STATIONARY FUEL CELL POWER SYSTEMS	N	**R332.1 General.** Stationary fuel cell power systems in new and existing buildings and structures shall comply with Section 1206 of the International Fire Code.	M	M	A		A	Y	
258	NA	NA	R333	EV CHARGING	Y	CCP to create New code section that would add EV charging equipment to new dwellings	H	H	DISCUSS		~~REJECTED~~ REVISED CCP 7/15/25 REJECTED	N	5/20: POLL TAKEN: 2 Support; 4 Reject; 2 Abstain 7/15/25: POLL TAKEN: Support 4; Deny 5
259													
260													
1309 Ch. 4 - FOUNDATIONS													
1	R401.1	R401.1	R401.1	Application	N	2024: Chapter 3 Table and Section referenced renumbered.	L	L	A		A	Y	
2	R401.4	R401.4	R401.4	Soil Tests	N	2024: Language/requirements added for seismic design category C or greater.	L	L	A		A	Y	
3	R401.4.1	R401.4.1	R401.4.1	Geotechnical Evaluation	N	2020/2021: In lieu of a complete geotechnical evaluation, the load-bearing values in Table R401.4.1 shall be assumed. 2024: In lieu of a complete geotechnical evaluation, the load-bearing values in Table R401.4.1(1) and the soil classifications in Table R401.4.1(2) shall be assumed	L	L	A		A	Y	
4	R401.4.1	R401.4.1	R401.4.1	Geotechnical Evaluation	N	2024: Table numbering re-formatted to R401.4.1(1) 2024: Table added - R401.4.1(2) - Properties of Soils	H	M	A		A	Y	

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5			R401.5	Excavations near Foundations	Y	CCP sponsered by Greg Metz. R401.5 Excavation near foundations. Where excavation will reduce support from any public or private foundation, a registered design professional shall prepare an assessment of the structure as determined from examination of the structure, the review of available design documents and, if necessary, excavation of test pits. The registered design professional shall determine the requirements for underpinning and protection and prepare site-specific plans, details and sequence of work for submission. Such support shall be provided by underpinning, sheeting and bracing, or by other means acceptable to the building official.	L	L	A		APPROVED / SUPPORTED	Y	**6/17/25: Supported by consensus with text changes as indicated in red by friendly amendement**
6	R402.2	R402.2	R402.2	Concrete	N	2024: Table numbering re-formatted to R301.2	L	M	A		A	Y	
7	R402.2	R402.2	R402.2	Concrete	Y	2020: Table R402.2 - Min. compressive strength for footings added - including footnotes g and h.	L	M	**Structural TAG tabled 1/16 for them to review.**		**Tabled**		3/25: remains tabled in Structural TAG.
8	R402.3.1	R402.3.1	R402.3.1	Precast Concrete Foundation Materials	N	2021/2024: Requirement #2 - Change in ASTM test designations - A706M or A996M.	M	L	A		A	Y	
9	Section R403	Section R403	Section R403	Footings	N	2021/2024: Tables R403.1(1)-R403.1(2)-R403.1(3) updated with more description & construction requirements. New use for clearspan roofs.	H	L	A		A	Y	
10	R403.1.1	R403.1.1	R403.1.1	Minimum Size	N	2021/2024: Add - min. ftg. size - no less than 12" wide x 6" in depth. Add - requirement for crushed stone footings.	H	L	A		A	Y	
11	R403.1.2	R403.1.2	R403.1.2	Continuous Ftgs. in Seismic Design	N	2024: Language changed and table added for clarification.	H	L	A		A	Y	
12	R403.1.3.5.1	R403.1.3.5.1	R403.1.3.5.1	Steel Reinforcement	N	2021/2024: Change in ASTM test designations - A706M or A996M.	M	L	A		A	Y	
13	R403.1.4	R403.1.4	R403.1.4	Minimum Depth	N	2021/2024: Add - Deck footings shall be in accordance with Section R507.3	M	L	A		A	Y	
14	R403.1.4.1	R403.1.4.1	R403.1.4.1	Frost Protection	Y	2020: Phrased for MN specific requirements - Exceptions deleted. CCP presented by Scott Anderson CCP was refered to **Struct. TAG** for review.	M	L	**Structural TAG to review CCP. Tabled 1/16**		~~**TABLED**~~ **APPROVED / SUPPTORED**	Y	**3/25: remains tabled in Structural TAG.** **3/27: CCP rejected by Structural TAG Structural TAG consensus was that the amendment is unnecessary and that model code language which will, via Table R301.2 direct the user to 1303.1600 is adequate** **5/20: APPROVED by consensus with text change. see CCP**
15	R403.1.6	R403.1.6	R403.1.6	Foundation Anchorage	Y	2020: Phrased to add details/clarity. Update sections referenced.	M	L	AM - Keep 2020		**TABLED**		3/25: Tabled pending further review and possible CCP to intergrate language of MN. Amend.
16	R403.3.3	R403.3.3	R403.3.3	Drainage	N	2021/2024: Referenced sections renumbered.	N	N	A		A	Y	
17	R403.3.4	R403.3.4	R403.3.4	Termite Protection	N	2021/2024: Referenced sections renumbered.	N	N	A		A	Y	

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18	N/A	N/A	R403.5 Figure R403.5(1), Figure R403.5(2), Figure R403.5(3), Table R403.5	Crushed Stone Footings for Cast-in-Place Concrete Foundations	N	2024: Added Section R403.5, Figure R403.5(1), Figure R403.5(2), Figure R403.5(3), Table R403.5	M	M	**Structural TAG to review CCP. Tabled 1/16**		**TABLED**		3/25: remains tabled in Structural TAG. **3/27: CCP in Structural TAG Supported (APPORVED) the CCP.**
19	R404.1	R404.1	R404.1	Concrete and Masonry Foundation Walls	Y	**2020: Phrased for MN specific requirements. Added table R404.1(1). Needs to be corrected: Concrete completed per Section R404.1.3 and Masonry completed per Section R404.1.2**	M	L	AM - Fix & Keep 2020		**TABLED**		3/25: refer to Structural TAG to compare R404.1 MN amended language to 24 IRC referenced subsections and tables that pertain to R404.1.
20	R404.1.1	R404.1.1	R404.1.1	Design Required	Y	2020: Added exception for cantilevered concrete and masonry foundation walls designed with tables R404.1.1(5), R404.1.1(6), R404.1.1(7)	M	L	**Structural TAG to review CCP. Bring in line with accepted engineering practices and eliminate inconsistencies where possible. Tabled 2/6/25**		**TABLED**		3/25: remains tabled in Structural TAG. **3/27: CCP in Structural TAG TABLED**
21	R404.1.2.1	R404.1.2.1	R404.1.2.1	Masonry Foundation Walls	N	2024: Change in numbering of tables. 2021/2024: Rubble stone masonry walls shall not be used in Seismic …, or in townhouses in Seismic Design Category C.	L	L	A		A	Y	
22	Tables R404.1.1(1-4)	Tables R404.1.1(1-4)	Tables R404.1.2.1(1-4)	Foundation Walls	N	2021/2024: Added unsupported to maximum wall height column.	L	L	A		A	Y	
23	Tables R404.1.1(5-7)	N/A	N/A	Cantilevered Concrete and Masonry Foundation Walls	Y	2021/2024: No tables for cantilevered concrete and masonry foundation walls.	M	L	AM - Keep 2020		**TABLED**		3/25: Have Structural TAG review to recommend keeping or deleting MN. Amended tables. **3/27: Structural TAG: TABLED**
24	R404.1.3.3.6	R404.1.3.3.6	R404.1.3.3.6	Form Materials and Form Ties	N	2021/2024: Forms shall be accurately positioned and secured before placing concrete and shall provide sufficient strength to contain concrete during the concrete placement operation.	H	H	A		A	Y	
25	R404.1.3.3.6.1	R404.1.3.3.6.1	R404.1.3.3.6.1	Stay-in-Place Forms	N	2024: Referenced sections, table and figure updated.	L	L	A		A	Y	
26	R404.1.3.3.7.1	R404.1.3.3.7.1	R404.1.3.3.7.1	Steel Reinforcement	N	2024: ASTM A996 changed to ASTM A996M. ~~2020~~/2021/2024: In buildings assigned to Seismic Design Category D0, D1 or D2, ~~reinforcing steel shall comply with the requirements of ASTM A706 for low-alloy steel with a~~ the minimum yield strength shall be ~~of~~ 60,000 psi (Grade 60) (414 MPa).	L	L	A		A	Y	
27	R404.1.3.3.7.2	R404.1.3.3.7.2	R404.1.3.3.7.2	Location of Reinforcement	N	2024: Referenced tables renumbered.	L	L	A		A	Y	
28	R404.1.3.3.7.6	R404.1.3.3.7.6	R404.1.3.3.7.6	Alternate Grade of Reinforcement and Spacing	N	2024: Referenced table renumbered.	L	L	A		A	Y	

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29	R404.1.4.1	R404.1.4.1	R404.1.4.1	Masonry Foundation Walls	N	2024: Referenced tables renumbered.	L	L	A	A	Y	
30	R404.1.4.2	R404.1.4.2	R404.1.4.2	Concrete Foundation Walls	N	2024: Referenced tables renumbered.	L	L	A	A	Y	
31	Figure R404.1.5(1)	Figure R404.1.5.3	Figure R404.1.5.3	Figure	N	2021/2024: Figure R404.1.5.3 - Foundation Wall Clay Masonry Curtain Wall With Concrete Masonry Piers renumbered.	L	L	A	A	Y	
32	R404.1.5.2	R404.1.5.2	R404.1.5.2	Concrete Wall Thickness	N	2024: Referenced table renumbered.	L	L	A	A	Y	
33	R404.1.5.3	R404.1.5.3	R404.1.5.3	Pier and Curtain Wall Foundations	N	2021/2024: Referenced figure renumbered.	L	L	A	A	Y	
34	R404.1.9.1	R404.1.9.1	R404.1.9.1	Pier Cap	N	2024: Referenced section renumbered.	L	L	A	A	Y	
35	R404.1.9.2	R404.1.9.2	R404.1.9.2	Masonry Piers Supporting Floor Girders	N	2024: Referenced figure renumbered.	L	L	A	A	Y	
36	R404.1.9.5	R404.1.9.5	R404.1.9.5	Masonry Piers in Flood Hazard Areas	N	2024: Referenced section renumbered.	L	L	A	A	Y	
37	R404.5.1	R404.5.1	R404.5.1	Design	N	2020/2021/2024: The panel design drawings shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed in accordance with Section R106.1. Chapter 1 deleted - add 1300 reference?	L	L	AM ?	A	Y	
38	R405.1	R405.1	R405.1	Foundation Drainage	N	2024: Referenced table renumbered.	L	L	A	A	Y	
39	Deleted	R406.1	R406.1	Concrete and Masonry Foundation Dampproofing	Y	2021/2024: Concrete and masonry foundation dampproofing. Section R406.1 deleted in 2020.	L	L	A	AMEND	Y	3/25: Consensus to keep the MN amendment and delete provisions.
40	R406.2	R406.2	R406.2	Concrete and Masonry Foundation Waterproofing	Y	2020: Exterior foundation walls that retain earth and enclose below grade interior spaces, floors, and crawl spaces shall be waterproofed. Waterproofing shall be installed at a minimum from the top of the footing to the finished grade or in accordance with the manufacturer's installation instructions. 2021/2024: In areas where a high water table or other severe soil-water conditions are known to exist, exterior foundation walls that retain earth and enclose interior spaces and floors below grade shall be waterproofed from the finished grade to the higher of the top of the footing or 6 inches (152 mm) below the top of the basement floor.	L	L	A	**TABLED**		3/25: Tabled pending CCP for R406.2 by staff to integrate model code language with MN amendment language.
41	R407.1	R407.1	R407.1	Columns	N	2024: Referenced section renumbered.	L	L	A	A	Y	

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42	R407.3	R407.3	R407.3	Columns	N	2020/2021/2024: The columns shall be restrained to prevent lateral displacement at the bottom end. Wood columns shall be not less in nominal size than 4 inches by 4 inches (102 mm by 102 mm). Steel columns shall be not less than 3-inch-diameter (76 mm) Schedule 40 pipe manufactured in accordance with ASTM A53/A53M Grade B or approved equivalent.	L	L	A		A	Y	
43 Start Mtg #12	R408.1	R408.1	R408.1	Under-Floor Space	N	2020: R408.1-Ventilation: The under-floor space between the bottom of the floor joists and the earth under any building (except space occupied by a basement) shall have ventilation openings through foundation walls or exterior walls. The minimum net area of ventilation openings shall be not less than 1 square foot (0.0929 m2) for each 150 square feet (14 m2) of under-floor space area, unless the ground surface is covered by a Class 1 vapor retarder material. Where a Class 1 vapor retarder material is used, the minimum net area of ventilation openings shall be not less than 1 square foot (0.0929 m2) for each 1,500 square feet (140 m2) of under-floor space area. One such ventilating opening shall be within 3 feet (914 mm) of each corner of the building. 2021/2024: R408.1-Moisture control: The under-floor space between the bottom of the floor joists and the earth under any building (except space occupied by a basement) shall comply with Section R408.2 or R408.3.	L	L	A		A	Y	

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44	R408.2	R408.2	R408.2	Under-Floor Space	N	2020/2021/2024: R408.2-Openings for under-floor ventilation: Ventilation openings through foundation or exterior walls surrounding the underfloor space shall be provided in accordance with this section. The minimum net area of ventilation openings shall be not less than 1 square foot (0.0929 m2) for each 150 square feet (14 m2) of under-floor area. One ventilation opening shall be within 3 feet (915 mm) of each external corner of the under-floor space ~~building~~. Ventilation openings shall be covered for their height and width with any of the following materials provided that the least dimension of the covering shall not exceed 1/4 inch (6.4 mm), and operational louvers are permitted: Materials 1 - 6 are the same. 2020: Exception: The total area of ventilation openings shall be permitted to be reduced to 1/1,500 of the under-floor area where the ground surface is covered with an approved Class I vapor retarder material and the required openings are placed to provide cross ventilation of the space. The installation of operable louvers shall not be prohibited. 2021/2024: Exceptions: 1. The total area of ventilation openings shall be permitted to be reduced to 1/1,500 of the under-floor area where the ground surface is covered with an approved Class I vapor retarder material. 2. Where the ground surface is covered with an approved Class 1 vapor retarder material, ventilation openings are not required to be within 3 feet (915 mm) of each external corner of the under-floor space provided that the openings are placed to provide cross ventilation of the space.	L	L	A	A	Y	

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45	R408.3	R408.3	R408.3	Under-Floor Space	N	2020/2021/2024: R408.3 Unvented crawl space: ~~Ventilation openings in~~ For unvented under-floor spaces, ~~specified in Sections R408.1 and R408.2 shall not be required where~~ the following items shall be ~~are~~ provided: 1. Exposed earth shall be ~~is~~ covered with a continuous Class I vapor retarder. Joints of the vapor retarder shall overlap by 6 inches (152 mm) and shall be sealed or taped. The edges of the vapor retarder shall extend not less than 6 inches (152 mm) up the stem wall and shall be attached and sealed to the stem wall or insulation. 2. One of the following shall be ~~is~~ provided for the under-floor space: 2.1. Continuously operated mechanical exhaust ventilation at a rate equal to 1 cubic foot per minute (0.47 L/s) for each 50 square feet (4.7 m2) of crawl space floor area, including an air pathway to the common area (such as a duct or transfer grille), and perimeter walls insulated in accordance with Section N1102.2.11 of this code. 2.2. Conditioned air supply sized to deliver at a rate equal to 1 cubic foot per minute (0.47 L/s) for each 50 square feet (4.7 m2) of under-floor area, including a return air pathway to the common area (such as a duct or transfer grille), and perimeter walls insulated in accordance with Section N1102.2.11 of this code. 2.3. Plenum in existing structures complying with Section M1601.5, if under-floor space is used as a plenum. 2.4. Dehumidification sized in accordance with manufacturer's specifications. ~~to provide 70 pints (33 liters) of moisture removal per day for every 1,000 square feet (93 m2) of crawl space floor area.~~	L	L	A		**TABLED**		TABLED for further review that there are no conflicts or contridictions with Mech. TAG Decisions.
46	R408.4	R408.4	R408.4	Access	N	2021/2024: Referenced section renumbered.	L	L	A		A	Y	
47	R408.7	R408.7	R408.7	Flood Resistance	N	2024: Referenced table and section renumbered.	L	L	A		A	Y	
48	N/A	R408.8	R408.8	Under-Floor Vapor Retarder	N	2021/2024: R408.8 Under-floor vapor retarder: In Climate Zones 1A, 2A and 3A below the warm-humid line, a continuous Class I or II vapor retarder shall be provided on the exposed face of air-permeable insulation installed between the floor joists and exposed to the grade in the under-floor space. The vapor retarder shall have a maximum water vapor permeance of 1.5 perms when tested in accordance with Procedure B of ASTM E96. Exception: The vapor retarder shall not be required in unvented crawl spaces constructed in accordance with Section R408.3.	L	L	A		AMEND	Y	Consensus to delete this section as it does not pertain to our climate zones
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1	SAME	R502.3.2	SAME	Other floor joists.	N	2021 IRC: Table R502.3.1(2) shall be used to determine the maximum allowable span of floor joists that support other areas of the building , other than sleeping ~~rooms~~ areas and attics , provided that the design live load does not exceed 40 pounds per square foot	L	L	A	A	Y	
2	SAME	SAME	R502.3.3	Floor cantilevers.	N	Floor cantilever spans shall not exceed the nominal depth of the wood floor joist. Floor cantilevers constructed in accordance with Table R502.3.3(1) shall be permitted where supporting a light-frame bearing wall and roof only. Floor cantilevers constructed in accordance with Table R502.3.3(2) shall be permitted where supporting an exterior balcony ~~are permitted to be constructed in accordance with Table R502.3.3(2)~~. A full-depth rim joist shall be provided at the unsupported end of the cantilever joists. Solid blocking shall be provided at the support for the cantilever. Where the cantilever length is 24 inches (610 mm) or less and the building is assigned to Seismic Design Category A, B or C, solid blocking at the support for the cantilever shall not be required.	L	L	A	A	Y	
3	SAME	TABLE R502.3.3(1)	TABLE R502.3.3(1)	Floor cantilever spans bearing wall and roof only	N	21 IRC footnote b.Spans are based on No. 2 Grade lumber of Douglas fir-larch,Southern pine, hem-fir, and spruce-pine-fir for repetitive (three or more) members. ~~No.1 or better shall be used for Southern pine.~~ 24 IRC footnotes: ~~g. A full-depth rim joist shall be provided at the unsupported end of the cantilever joists. Solid blocking shall be provided at the supported end. Where the cantilever length is 24 inches or less and the building is assigned to Seismic Design Category A, B or C, solid blocking at the support for the cantilever shall not be required.~~ ~~h~~ g. Linear interpolation shall be permitted for building widths and ground snow loads other than shown.	L	L	A	A	Y	
4	SAME	TABLE R502.3.3(2)	TABLE R502.3.3(2)	Floor cantilever spans supporting balconies	N	21 IRC footnote a. Spans are based on No. 2 Grade lumber of Douglas fir-larch,Southern pine, hem-fir, and spruce-pine-fir for repetitive (three or more) members. ~~No.1 or better shall be used for Southern pine.~~ 24 IRC footnote ~~e. A full-depth rim joist shall be provided at the unsupported end of the cantilever joists. Solid blocking shall be provided at the supported end. Where the cantilever length is 24 inches or less and the building is assigned to Seismic Design Category A, B or C, solid blocking at the support for the cantilever shall not be required.~~ ~~f.~~ e. Linear interpolation shall be permitted for building widths and ground snow loads other than shown.	L	L	A	A	Y	

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5	NA	NA	R502.11	Floor framing supporting guards.	N	24 IRC added this new section: The framing at the open edge of a floor supporting a required guard assembly shall be constructed in accordance with Section R502.11.1 or R502.11.2 for guard assemblies not exceeding 44 inches (1118 mm) in height, or shall be designed in accordance with accepted engineering practice to support the guard assembly. Where trusses and I-joists are used as edge framing members supporting guards , the effects of the guard loads shall be specifically considered in the design of the edge member.	L	L	A		A	Y	
6	NA	NA	R502.11.1	Conventional edge framing.	N	24 IRC added this new section: Where a roll brace is aligned with each guard post, the framing at the edge of the floor shall consist of a solid or built-up member of lumber, structural glued-laminated timber or structural composite lumber having a net width of not less than 3 inches (76 mm) and a net depth of not less than 91/4 inches (235 mm), and shall be braced to resist rotation by roll bracing as described in Section R502.11.3.	L	L	A		A	Y	
7	NA	NA	R502.11.2	Timber edge framing.	N	24 IRC added this new section: Where a roll brace is not aligned with each guard post, the framing at the edge of the floor shall consist of sawn timber not less than 6 inches by 10 inches or structural glued-laminated timber not less than 51/8 inches by 91/4 inches (130 mm × 235 mm) and shall be braced to resist rotation by roll bracing as described in Section R502.11.3 at intervals of 48 inches (1219 mm) or less.	L	L	A		A	Y	
8	NA	NA	R502.11.3	Roll bracing.	N	24 IRC added this new section: Each roll brace shall be a joist or blocking matching the depth of the edge member and extending perpendicular to the edge member not less than 16 inches (406 mm) from the edge. Blocking shall have end connections with not fewer than six 16d common nails. Floor sheathing shall be continuous for not less than 24 inches (610 mm) from the edge and shall be fastened to each roll brace with not fewer than 12 (twelve) 10d common nails and shall be fastened to the edge member with a minimum of 12 (twelve) 10d common nails within 12 inches (305 mm) of the roll brace.	L	L	A		A	Y	
9	R502.11 thru R502.13	SAME	R502.12 thru R502.14	Trusses; draftstopping; firreblocking.	N	24 IRC renumbered these sections in conjunctuion with the previous new sections.	L	L	A		A	Y	
10	NA	R505.1.1.1	SAME	Alternate applications.	N	21 IRC added this section: Cold-formed steel floor framing for buildings exceeding the applicability limits of Section R505.1.1 is permitted to be designed and constructed in accordance with AISI S230, subject to the limits therein.	L	L	A		A	Y	

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11	R505.1.2	SAME	SAME	In-line framing	N	21 IRC made the following changes: Where supported by cold-formed steel-framed walls in accordance with Section R603, cold-formed steel floor framing shall be constructed with floor joists located in-line with load-bearing studs located below the joists in accordance with the tolerances specified in AISI S240, Section B1.2.3. ~~Figure R505.1.2 and the tolerances specified as follows:~~ ~~1.The maximum tolerance shall be 3/4 inch (19.1 mm) between the centerline of the horizontal framing member and the centerline of the vertical framing member.~~ ~~2.Where the centerline of the horizontal framing member and bearing stiffener are located to one side of the centerline of the vertical framing member, the maximum tolerance shall be 1/8 inch (3 mm) between the web of the horizontal framing member and the edge of the vertical framing member.~~	L	L	A		A	Y	
12	Figure R505.1.2	SAME	SAME	In-line framing	N	21 IRC deleted this fiure in it's entirety .	L	L	A		A	Y	
13	R505.1.3	SAME	SAME	floor trusses	N	21 IRD addes the following text: ...in accordance with AISI S230, Section D8. In the absence of specific bracing requirements,...	L	L	A		A	Y	
14	R505.2.1	SAME	SAME	Material	N	21 IRC changed the following text: Load-bearing cold-formed steel framing members shall be cold formed to shape from structural quality sheet steel complying with the requirements of AISI S240, Section A3. ~~ASTM A1003: Structural Grades 33 Type H and 50 Type H.~~	L	L	A		A	Y	
15 **END mtg #12**	R505.2.2	SAME	SAME	Corrosion protection	N	21 IRC changed the following text: Load-bearing cold-formed steel framing shall have a metallic coating complying with AISI S240, Section A4. ~~ASTM A1003 and one of the following:~~ ~~1.Not less than G 60 in accordance with ASTM A653.~~ ~~2.Not less than AZ 50 in accordance with ASTM A792.~~	L	L	A		A	Y	

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16 START mtg #13	R505.2.3	SAME	SAME	Dimension, thickness and material grade.	N	21 IRC made the following changes: Load-bearing cold-formed steel floor framing members shall comply with ~~Figure R505.2.3(1) and with the dimensional and thickness requirements specified in Table R505.2.3. Additionally, all C-shaped sections shall have a minimum flange width of 1.625 inches (41 mm) and a maximum flange width of 2 inches (51 mm). The minimum lip size for C-shaped sections shall be 1/2 inch (12.7 mm). Track sections shall comply with Figure R505.2.3(2) and shall have a minimum flange width of 11/4 inch (32 mm). Minimum Grade 33 ksi steel shall be used wherever 33 mil and 43 mil thicknesses are specified. Minimum Grade 50 ksi steel shall be used wherever 54 and 68 mil thicknesses are specified.~~ AISI S230, Section A4.3 and material grade requirements as specified in AISI S230, Section A4.4. **It also deleted** - ~~table R505.2.3~~ ~~- figure R505.2.3(1)~~ ~~- figure R505.2.3(2)~~	L	L	A		A	Y	
17	R505.2.4	SAME	SAME	Identification	N	21 IRC made the following changes: Load-bearing cold-formed steel framing members shall meet the product identification requirements of AISI S240, Section A5.5.~~have a legible label, stencil, stamp or embossment with the following information as a minimum:~~ ~~1.Manufacturer's identification.~~ ~~2.Minimum base steel thickness in inches (mm).~~ ~~3.Minimum coating designation.~~ ~~4.Minimum yield strength, in kips per square inch (ksi) (MPa).~~	L	L	A		A	Y	
18	R505.2.6	SAME	SAME	Web holes, web hole reinforcing and web hole patching.	N	21 IRC made the following changes: Web holes in floor framing members shall comply with the conditions as prescribed in AISI S230, Section A4.5. Web holes not in compliance with the conditions as prescribed in AISI S230, Section A4.5 shall be reinforced in accordance with the provisions of AISI S230, Section A4.6 or patched in accordance with the provisions of AISI S230, Section A4.7.~~, web hole reinforcing, and web hole patching shall be in accordance with this section.~~	L	L	A		A	Y	
19	R505.2.6.1	deleted	NA	web holes	N	21IRC deleted this section in its entirety.	L	L	A		A	Y	
20	FIGURE R505.2.6.1	deleted	NA	floor joist web holes figure	N	21 IRC deleted this fiure in it's entirety .	L	L	A		A	Y	
21	R505.2.6.2	deleted	NA	Web hole reinforcing	N	21IRC deleted this section in its entirety.	L	L	A		A	Y	
22	R505.2.6.3	deleted	NA	Hole patching	N	21IRC deleted this section in its entirety.	L	L	A		A	Y	
23	Figure R505.2.6.3	deleted	NA	Hole patching	N	21 IRC deleted this fiure in it's entirety .	L	L	A		A	Y	
24	R506.1	SAME	SAME	General	N	24 IRC added the following: ...or ACI 332. ~~Floors~~ Such floors shall be not less than 31/2 inches...	L	L	A		A	Y	

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25	NA	NA	R506.2	Post-tensioned slab-on-ground floors.		24 IRC added this new section R506.2 Post-tensioned slab-on-ground floors. Post-tensioned concrete slab-on-ground floors placed on expansive or stable soils shall be designed in accordance with PTI DC10.5.					A	Y	
26	R506.2 thru R506.2.4	SAME	**R506.3 thru R506.3.4**	site preparation	N	24 IRC **renumbered** these sections to coincide with adding the new section R506.2.	L	L	A		A	Y	
27	R506.2.3	SAME	R506.3.3	Vapor retarder	N	**21** & **24** IRC made the following changes: A **minimum** 6-mil (0.006 inch; 152 µm) polyethylene or approved ~~10-mil (0.010 inch; 0.254 mm)~~ vapor retarder ~~conforming to ASTM E1745 Class A requirements~~ with joints lapped not less than 6 inches (152 mm) shall be placed between the concrete floor slab and the base course or the prepared subgrade where a base course does not exist.	L	L	A		A	Y	
28	R507.1	SAME	SAME	decks	N	21 IRC made the following changes: Wood-framed decks shall be in accordance with this section. Decks shall be designed for the live load required in Section R301.5 or the ground snow load indicated in Table R301.2, whichever is greater. For decks using materials and conditions not prescribed in this section, refer to Section R301.	L	L	A		A	Y	
29	R507.2.1	SAME	SAME	Wood materials	N	24 IRC Changed the following: Wood structural members ~~materials~~ shall be ~~No. 2 grade or better lumber,~~ protected from decay where required by Sections R304.1 and R304.1.2, and protected from termites where required by Section R305.1. ~~preservative-treated in accordance with Section R304, or approved , naturally durable lumber, and termite protected where required in accordance with Section R305~~. Where design in accordance with Section R301 is provided, wood structural members shall be designed using the wet service factor defined in ANSI AWC NDS. Sawn lumber for joists, beams and posts shall be No. 2 or better. Cuts, notches and drilled holes of preservative-treated wood members shall be treated in accordance with Section R304.1.1. ~~All preservative-treated wood products in contact with the ground shall be labeled for such usage.~~	L	L	A		A	Y	
30	R507.2.3	SAME	SAME	Fasteners and connectors.	N	24 IRC added the following: Metal fasteners and connectors used for all decks shall be in accordance with Section R304.3 and Table R507.2.3. Holes for through bolts shall be drilled to a diameter of 1/32 inch to 1/16 inch larger than the bolt diameter. Connectors shall be installed in accordance with the manufacturer's approved instructions.	L	L	A		A	Y	

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31	TABLE R507.2.3	SAME	SAME	Fasteners and connectors TABLE	N	21 &24 IRC made changed the following in the table: **Column 1:** Nails and ~~timber~~ glulam rivets **Column 3:** Hot-dipped galvanized per ASTM A153, Class D or ASTM A641 Class 3S for 3/8-inch diameter and less **footnotes:** ~~c. Holes for bolts shall be drilled a minimum 1/32 inch and a maximum 1/16 inch larger than the bolt.~~ ~~d. Lag screws 1/2 inch and larger shall be predrilled to avoid wood splitting per the National Design Specification (NDS) for Wood Construction.~~ e **c.** Stainless-steel-driven fasteners shall be in accordance with ASTM F1667.	L	L	A		A	Y	
32	R507.2.4	SAME	sAME	Flashing.	N	24 IRC added this text: Flashing shall be corrosion-resistant metal of nominal thickness not less than 0.019 inch (0.48 mm) or approved nonmetallic material that is compatible with the substrate of the structure and the decking materials. Self-adhered membranes used as flashing and counterflashing shall comply with FGIA 711.	L	L	A		A	Y	
33	R507.3	SAME	SAME	footings	N	21 IRC added the following: Decks shall be supported on concrete footings or other approved structural systems designed to accommodate all loads in accordance with Section R301. Deck footings shall be sized to carry the imposed loads from the deck structure to the ground as shown in Figure R507.3. ~~The footing depth shall be in accordance with Section R403.1.4.~~ Exceptions: 1. Footings shall not be required for free-standing decks consisting of joists directly supported on grade over their entire length. 2. Footings shall not be required for free-standing decks that meet all of the following criteria: 2.1. The joists bear directly on precast concrete pier blocks at grade without support by beams or posts. 2.2. The area of the deck does not exceed 200 square feet (18.6 m2). 2.3. The walking surface is not more than 20 inches (508 mm) above grade at any point within 36 inches (914 mm) measured horizontally from the edge.	L	L	A		A	Y	
34	R507.3.1	SAME	SAME	Minimum size.	N	24 IRC made the following change: The minimum size of ~~concrete~~ deck footings shall be in accordance with Table R507.3.1, based on the tributary area and allowable soil-bearing pressure in accordance with Table R401.4.1(1).	L	L	A		A	Y	

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35	NA	TABLE R507.3.1	SAME	Minimum footing size for decks.	Y	21 IRC added this new table. 24 IRC added Plain Concrete to columns that said 'thickness (inches)'	L	L	A STRUCT TAG: Per sonar, MN Amendment modifies minimum footing sizes based on 40 psf live load, not snow load.	ACCEPT MODEL CODE AS WRITTEN		**STRUCT TAG Deleted amendment.** **5/6: DELETE MN AMENDMENT in keeping with Struct. TAG**
36	R507.3.2	SAME	SAME	minimum depth	N	21 IRC deleted the following: Deck footings shall be placed not less than 12 inches (305 mm) below the undisturbed ground surface.~~extend below the frost line specified in Table R301.2(1) in accordance with Section R403.1.4.1.~~ ~~Exceptions:~~ ~~1.Free-standing decks that meet all of the following criteria:~~ ~~1.1.The joists bear directly on precast concrete pier blocks at grade without support by beams or posts.~~ ~~1.2.The area of the deck does not exceed 200 square feet (18.9 m2).~~ ~~1.3.The walking surface is not more than 20 inches (616 mm) above grade at any point within 36 inches (914 mm) measured horizontally from the edge.~~ ~~2.Free-standing decks need not be provided with footings that extend below the frost line.~~	L	L	A	A	Y	
37`	NA	R507.3.3	SAME	Frost protection.	N	21 IRC added this section: Where decks are attached to a frost-protected structure, deck footings shall be protected from frost by one or more of the following methods: 1. Extending below the frost line specified in Table R301.2. 2. Erecting on solid rock. 3. Other approved methods of frost protection.	L	L	A	A	Y	
38	NA		**CCP** R507.3.3	FROST PROTECTION DECK FOOTINGS		CCP from Scott Anderson			refered to **Struct. TAG** for review as of 3/24 NOT reviewed yet 3/27/25 STRUCT. TAG Reviewed	**3/27/25 Rejected (denied) by Struct.** **4/8 1309:TABLED** **5/20 APPROVED**	Y	**4/22/25: TABLED until 5/20 meeting.** **3/27/25 Structural TAG rejected the CCP for the following reason:** **Structural TAG consensus was that the amendment is unnecessary and that model code language which will, via Table R301.2, direct the user to 1303.1600 is adequate** **5/20: APPROVED by consensus with FRIENDLY amendment text change. see CCP**
39	R507.4	SAME	SAME	Deck posts.	N	21 IRC made the following changes: For single-level ~~wood-framed~~ decks ~~with beams sized in accordance with Table R507.5, deck~~ wood post size shall be in accordance with Table R507.4.	L	L	A	A	Y	
40	TABLE R507.4	SAME	SAME	deck post height	N	21 IRC made changes to the table expanding it extensively.	L	L	A	A	Y	

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41	R507.4.1	SAME	SAME	Deck post to deck footing connection.	N	24 IRC made the following changes: Where posts bear on concrete footings in accordance with Section R403 and Figure R507.3, lateral restraint shall be provided by ~~manufactured~~ approved connectors or a minimum post embedment of 12 inches (305 mm) in surrounding soils or concrete piers. ~~Other footing systems shall be permitted.~~	L	L	A	A	Y	
42	R507.5	R507.5	R507.5	Deck beams	N	24 IRC: Maximum allowable spans for wood deck beams, as shown in Figure R507.5, shall be in accordance with Tables R507.5(1) through R507.5(4) and based on the joist span length and cantilever length as shown in Figure R507.6. Beam plies shall be fastened together with two rows of 10d (3-inch × 0.128-inch) nails minimum at 16 inches (406 mm) on center along each edge. ~~Beams shall be permitted to cantilever at each end up to one-fourth of the actual beam span.~~ Deck beams of other materials shall be permitted where designed in accordance with accepted engineering practices.	L	L	A	A	Y	
43	SAME	SAME	FIGURE R507.5	Beam spans	N	24 IRC: TYPICAL DECK ~~JOIST~~ BEAM SPANS	L	L	A	A	Y	
44	TABLE R507.5	TABLE R507.5(1)	SAME	Max. deck beam span table	N	21 IRC added a paranthetical number R507.5(1) 21 & 24 IRC made changes to the table expanding it.	L	L	A	A	Y	
45	TABLE R507.5	TABLE R507.5(1) footnotes	SAME	Max. deck beam span table footnotes	Y	2020 MRC amended footnote 'a' as follows: a.~~Ground snow load,~~ Live load = 40 psf, dead load = 10 psf, L/Δ = 360 at main span, L/Δ = 180 at cantilever with a 220-pound point load applied at the end. 21 & 24 IRC: a.~~Live load = 40 psf, dead load = 10 psf, L/Δ = 360 at main span, L/Δ = 180 at cantilever with a 220-pound point load applied at the end.~~ Interpolation permitted for conditions with zero joist cantilever length. Extrapolation not permitted.	L	L	A DELETE MN amendment	A	Y	STRUCT TAG Delete amendment. 4/22: DELETE the MN Amendment in keeping with Strut. TAG 5/6: DELETE MN AMENDMENT in keeping with Struct. TAG
46	TABLE R507.5	TABLE R507.5(1) footnotes	SAME	Max. deck beam span table footnotes	N	21 IRC: b.Beams supporting ~~deck joists from one side only~~ a single span of joists with or without cantilever.	L	L	A		Y	
47	TABLE R507.5	TABLE R507.5(1) footnotes	SAME	Max. deck beam span table footnotes	N	21 IRC: c.~~No. 2 grade, wet service factor~~ Dead load = 10 psf, L/Δ = 360 at main span, L/Δ = 180 at cantilever. Snow load is not assumed to be concurrent with live load.	L	L	A	A	Y	
48	TABLE R507.5	TABLE R507.5(1) footnotes	SAME	Max. deck beam span table footnotes	N	21 IRC: d.~~Beam depth shall be greater than or equal to depth of joists with a flush beam condition~~ No. 2 grade, wet service factor included.	L	L	A	A	Y	
49	TABLE R507.5	TABLE R507.5(1) footnotes	SAME	Max. deck beam span table footnotes	N	21 IRC: e.~~Includes incising factor~~ Beam depth shall be equal to or greater than the depth of intersecting joist for a flush beam connection.	L	L	A	A	Y	

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
50	TABLE R507.5	TABLE R507.5(1) footnotes	SAME	Max. deck beam span table footnotes	N	21 IRC: f.~~Northern species. Incising factor not included~~ Beam cantilevers are limited to the adjacent beam's span divided by 4.	L	L	A		A	Y	
51	TABLE R507.5	TABLE R507.5(1) footnotes	SAME	Max. deck beam span table footnotes	N	21 IRC: g.~~Beam cantilevers are limited to the adjacent beam's span divided by 4~~ Includes incising factor.	L	L	A		A	Y	
52	TABLE R507.5	TABLE R507.5(1) footnotes	SAME	Max. deck beam span table footnotes	N	21 IRC: h. Incising factor not included	L	L	A		A	Y	
53	TABLE R507.5	TABLE R507.5(1) footnotes	SAME	Max. deck beam span table footnotes	N	21 IRC: i. Deck joist span as shown in Figure R507.5.	L	L	A		A	Y	
54	TABLE R507.5	TABLE R507.5(1) footnotes	SAME	Max. deck beam span table footnotes	N	Footnote 'j' Created in 21 IRC deleted in the 24 IRC.	L	L	A		A	Y	
55	NA	TABLE R507.5(2)	SAME	MAXIMUM DECK BEAM SPAN—50 PSF GROUND SNOW LOADc	N	21 IRC created this new table and footnotes. 24 IRC modified it.	L	L	A		A	Y	
56	NA	TABLE R507.5(3)	SAME	MAXIMUM DECK BEAM SPAN—60 PSF GROUND SNOW LOADc	N	21 IRC created this new table and footnotes. 24 IRC modified it.	L	L	A		A	Y	
57	NA	TABLE R507.5(4)	SAME	MAXIMUM DECK BEAM SPAN—70 PSF GROUND SNOW LOADc	N	21 IRC created this new table and footnotes. 24 IRC modified it.	L	L	A		A	Y	
58	NA	TABLE R507.5(5)	DELETED	JOIST SPAN FACTORS	N	Table R507.5(5) Created in 21 IRC deleted in the 24 IRC.	L	L	A		A	Y	
59	R507.5.1	SAME	SAME	Deck beam bearing.	N	24 IRC: Beams and individual beam plies of built-up beams shall be continuous between bearing locations and continuous across bearing locations supporting beam cantilevers. Beams shall be permitted to cantilever beyond bearing locations up to onefourth of the actual beam span. The ends of beams shall have not less than 11/2 inches (38 mm) of bearing length on wood or metal and not less than 3 inches (76 mm) of bearing length on concrete or masonry for the entire width of the beam. ~~Where multiple-span beams bear on intermediate posts, each ply must~~	L	L	A		A	Y	

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
60	figures R507.5.1(1) and (2)	figures R507.5.1(1) and (2)	figures R507.5.2(1) and (2)	Deck beam connection to supports.	N	24 IRC moved and renumbered the figures from 'Deck Bearing' to 'Deck beam connection to supports.'	L	L	A		A	Y	
61	R507.5.2	R507.5.2	R507.5.2	Deck beam connection to supports.		24 IRC: Deck beams shall be connected to supporting members to prevent lateral ~~attached to supports in a manner capable of transferring vertical loads and resisting horizontal~~ displacement. Deck beam connections to wood posts shall be in accordance with Figures R507.5.2(1)) and R507.5.2(2). Manufactured post-to-beam connectors shall be sized for the post and beam sizes. Bolts shall have washers under the head and nut.	L	L	A		A	Y	
62	R507.6	R507.6	R507.6	Deck joists.	N	21 IRC: Maximum allowable spans for wood deck joists, as shown in Figure R507.6, shall be in accordance with Table R507.6. The maximum joist spacing shall be limited by the decking materials in accordance with Table R507.7. ~~The maximum joist cantilever shall be limited to one-fourth of the joist span or the maximum cantilever length specified in Table R507.6, whichever is less.~~	L	L	A		A	Y	
63	table R507.6	table R507.6	table R507.6	Maximum Deck Joist Spans	N	21 RIC deleted the 2018/2020 table Created a new table and renamed it from: ~~'DECK JOIST SPANS FOR COMMON LUMBER SPECIES'~~ to 'MAXIMUM DECK JOIST SPANS'	L	L	A		A	Y	
64	table R507.6	NA	NA	Maximum Deck Joist Spans	Y	2020 MRC amended footnotes by removing 'Ground Snow Load' from footnotes b. and c. The new table incorporates these into the table itself.	L	L	A		A	Y	**STRUCTRUAL TAG deleted the amendment from the 2020 table and Accepted the 21 table as written.** 5/6: DELETE the MN Amendment in keeping with the Struct. TAG
65	R507.6.1	R507.6.1	R507.6.1	Deck joist bearing	N	24 IRC Added the word length: The ends of joists shall have not less than 1 1/2 inches (38 mm) of bearing length on wood or metal and not less than 3 inches (76 mm) of bearing length	L	L	A		A	Y	
66	R507.7	R507.7	R507.7	Decking.	N	21 & 24 IRC: Maximum allowable spacing for joists supporting wood decking, excluding stair treads stairways , shall be in accordance with Table R507.7. Wood decking shall be attached to each supporting member with not less than two 8d deformed shank threaded nails or two No. 8 wood screws. Maximum allowable spacing for joists supporting plastic composite decking shall be in accordance with Section R507.2. Other approved decking or fastener systems shall be installed in accordance with the manufacturer's installation requirements.	L	L	A		A	Y	
67	TABLE R507.7	TABLE R507.7	TABLE R507.7	MAXIMUM JOIST SPACING FOR **WOOD** DECKING	Y	21 IRC Changed this table.	L	L	A		A	Y	**STRUCTRUAL TAG Accepted the 21 table as written.** **5/6: DELETE the MN Amendment in keeping with the Struct. TAG**

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
68	R507.9.1.1	R507.9.1.1	R507.9.1.1	Ledger details.	N	24 IRC: Deck ledgers shall be a minimum 2-inch by 8-inch (51 mm by 203 mm) nominal, No. 2 grade or better pressure-preservative-treated Southern pine, incised pressure-preservative-treated hem-fir, or ~~approved~~ , decay-resistant, naturally durable wood , ~~No. 2 grade or better lumber.~~ Deck ledgers shall not support concentrated loads from beams or girders. Deck ledgers shall not be supported on stone or masonry veneer.	L	L	A		A	Y	
69	R507.9.1.3	R507.9.1.3	R507.9.1.3	Ledger to band joist details.	N	24 IRC: ~~Fasteners used in deck ledger connections~~ Where ledgers are fastened in accordance with Table R507.9.1.3(1) , fasteners shall comply with Section R507.2.3 ~~be hot-dipped galvanized or stainless steel~~ and shall be installed in accordance with Table R507.9.1.3(2) and Figures R507.9.1.3(1) and R507.9.1.3(2). Holes for 1/2-inch (12.7 mm) lag screws shall be predrilled with two drill bits so that a hole 1/2 inch (12.7mm) in diameter is drilled through the ledger and sheathing, if present, and a hole 5/16 inch (7.9 mm) to 3/8 inch (9.5mm) in diameter is drilled through the band joist.	L	L	A		A	Y	
70	TABLE R507.9.1.3(1)	TABLE R507.9.1.3(1)	TABLE R507.9.1.3(1)	Deck ledger connection to band joist table	Y	21I IRC chaged this table. STRUCTURAL TAG: Table R507.9.1.3(1) is modified to delete the references to snow load. The reference to snow load in the heading is being deleted and footnote “b” is being deleted. The subsequent footnotes are re-lettered accordingly. This change is necessary for consistency with the proposed modifications to Table R507.3.1 in subpart 1; proposed Table R507.3 deletes the references to snow load and requires decks to be designed based on a uniform live load of 40 psf.	L	L	A		A	Y	**STRUCTRUAL TAG: deleted the amendment.** 5/6: DELETE the MN Amendment in keeping with the Struct. TAG
71	NA	NA	R507.9.1.5	Ledger flashing.	N	24 IRC Created this new section: Where ledgers are attached to wood-frame construction, flashing shall be installed above the ledger to prevent the entry of water into the wall cavity or behind the ledger. Flashing shall extend vertically not less than 2 inches (51 mm) above the ledger. Flashing shall extend horizontally not less than 4 inches (102 mm) beyond the ledger face or shall extend to the ledger face and not less than 1/4 inch down the ledger face. Exceptions: 1. Where a window or door opening is located less than 2 inches (51 mm) above the ledger, flashing shall extend to the bottom of the wall opening. 2. Flashing is not required where the ledger is spaced horizontally from the exterior wall covering not less than 1/4 inch (6.4 mm) to allow for drainage and ventilation behind the ledger.	L	L	A		A	Y	

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments	Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
72	NA	NA	R507.9.1.6	Water-resistive barrier.	N	24 IRC Created this new section: The water-resistive barrier required by SectionR703.2 shall be lapped over a vertical leg of the ledger flashing or counterflashing extending up the wall by not less than 2 inches (51 mm) or the height of the vertical flashing leg, whichever is less. The water-resistive barrier shall continue from the top of the ledger flashing down the wall and behind the ledger flashing and ledger. Exceptions: 1. Flashing shall be permitted to be placed against the face of the water-resistive barrier , where a self-adhering membrane counterflashing is installed not less than 2 inches (51 mm) over the vertical leg of the flashing and not less than 2 inches (51 mm) onto the water-resistive barrier . 2. Flashing shall be permitted to be placed in front of the water-resistive barrier and behind the exterior wall covering where ledgers are spaced horizontally from the exterior wall not less than 1/4 inch (6.4 mm) to allow for drainage and ventilation behind the ledger.	L	L	A	A	Y	
73	NA	NA	R507.9.1.7	Existing walls.	N	24 IRC Created this new section: Where ledgers are attached to existing walls without waterresistive barriers, a water-resistive barrier shall be installed behind the ledger and ledger flashing. The water-resistive barrier shall extend to the top of the ledger flashing vertical leg and not less than 1/2 inch (12.7 mm) beyond the sides and bottom of the ledger. A selfadhering membrane counterflashing shall be installed not less than 2 inches (51 mm) over the vertical leg of the ledger flashing and not less than 2 inches (51 mm) onto the existing sheathing. Exceptions: 1. Where a window or door opening is located less than 2 inches (51 mm) above the ledger, flashing shall extend to the bottom of the wall opening. 2. Flashing is not required where the ledger is spaced horizontally from the exterior wall covering not less than 1/4 inch (6.4 mm) to allow for drainage and ventilation behind the ledger.	L	L	A	A	Y	
74	NA	NA	R507.9.1.8	Exterior wall coverings.	N	24 IRC Created this new section: Exterior wall coverings shall be terminated above the finished deck surface in accordance with the covering manufacturer's requirements and Chapter 7, as applicable to the type of covering. Exception: Exterior wall coverings shall be permitted behind ledgers in accordance with Section R507.9.1.5 where capable of resisting compression forces from the ledger attachment.	L	L	A	A	Y	

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75	NA	R507.10	SAME	Exterior guards.	N	21 IRC Created this new section: Guards shall be constructed to meet the requirements of Sections R301.5 and R321, and this section.	L	L	A		A	Y	
76	NA	R507.10.1	SAME	Support of guards	N	21 IRC Created this new section: Where guards are supported on deck framing, guard loads shall be transferred to the deck framing with a continuous load path to the deck joists.	L	L	A		A	Y	
77	NA	R507.10.1.1	SAME	Guards supported by side of deck framing.	N	21 IRC Created this new section: Where guards are connected to the interior or exterior side of a deck joist or beam, the joist or beam shall be connected to the adjacent joists to prevent rotation of the joist or beam. Connections relying only on fasteners in end grain withdrawal are not permitted.	L	L	A		A	Y	
78	NA	R507.10.1.2	SAME	Guards supported on top of deck framing.	N	21 IRC Created this new section: Where guards are mounted on top of the decking, the guards shall be connected to the deck framing or blocking and installed in accordance with manufacturer's instructions to transfer the guard loads to the adjacent joists.	L	L	A		A	Y	
79	NA	R507.10.2	SAME	Wood posts at deck guards.	N	21 IRC Created this new section: Where 4-inch by 4-inch (102 mm by 102 mm) wood posts support guard loads applied to the top of the guard , such posts shall not be notched at the connection to the supporting structure.	L	L	A		A	Y	
80	NA	R507.10.3	SAME	Plastic composite guards.	N	21 IRC Created this new section: Plastic composite guards shall comply with the provisions of Section R507.2.2.	L	L	A		A	Y	
81	NA	R507.10.4	SAME	Other guards.	N	21 IRC Created this new section: Other guards shall be in accordance with either manufacturer's instructions or accepted engineering principles.	L	L	A		A	Y	
1309 Ch. 6 - WALL CONSTRUCTION													
1	R602.3	R602.3	R602.3	Design and Construction	N	2020: ...wind pressures listed in Table R301.2(2) adjusted for height and exposure using Table R301.2(3)... 2021/2024: ...wind pressures listed in Table R301.2.1(1) adjusted for height and exposure using Table R301.2.1(2)...	L	L	A		A	Y	
2	Table R602.3(1)	Table R602.3(1)	Table R602.3(1)	Fastening Schedule	N	2021/2024: Item 1 - Expanded to three parts for more description of blocking fastening.	L	L	A		A	Y	
3	Table R602.3(1)	Table R602.3(1)	Table R602.3(1)	Fastening Schedule	N	2021/2024: Items 3 & 4 - Referenced tables renumbered.	L	L	A		A	Y	
4	Table R602.3(1)	Table R602.3(1)	Table R602.3(1)	Fastening Schedule	N	~~2020~~/2021/2024: Item 5 - Collar tie to rafter, face nail ~~or 11/4" × 20 ga. ridge strap trafter.~~	L	L	A		A	Y	
5	N/A	Table R602.3(1)	Table R602.3(1)	Fastening Schedule	N	2021/2024: Item 12 added: Adjacent full-height stud to end of header.	L	L	A		A	Y	
6	Table R602.3(1)	Table R602.3(1)	Table R602.3(1)	Fastening Schedule	N	2021/2024: Items 31 & 32 - Sheathing fastening. Intermetiate nailing reduced.	L	L	A		A	Y	
7	Table R602.3(1)	Table R602.3(1)	Table R602.3(1)	Fastening Schedule	N	2021/2024: Items 32 & 33 - Sheathing fastening. Fastening changed based on thickness.	L	L	A		A	Y	

To be completed by Chair										To be completed by TAG members		
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8	Table R602.3(1)	Table R602.3(1)	Table R602.3(1)	Fastening Schedule	N	2021/2024: Items 38-40 - Subfloor fastening. Added more fastener types.	L	L	A		A	Y	
9	Table R602.3(1)	Table R602.3(1)	Table R602.3(1)	Fastening Schedule	N	2024: Footnotes: Updated due to changes in fastening material and fasteners.	L	L	A		A	Y	
10	Table R602.3.1	N/A	N/A	Max Length of Wood Wall Studs	Y	2020: Allows for perscriptive design for tall walls. Recommend to add language to R602.3.1 to reference table. Currently no direction to table. **STURCT TAG: Amendment adds the table. The table is not referenced in the text of the 2020 code, probably administrative error. Should be referenced in R602.3.1 via amendment.**	L	L	AM - Keep 2020 ?		A	Y	**STRUCTRUAL TAG: deleted the amendment which deleted the Table R602.3.1 5/6: 1309 TAG Concurs Mn Amendment deletion**
11	Table R602.3(2)	Table R602.3(2)	Table R602.3(2)	Alternate Fastening Schedule	N	2021/2024: Floor underlayment fastener types (6 total) and footnote G updated.	L	L	A		A	Y	
12	Table R602.3(3)	Table R602.3(3)	Table R602.3(3)	Requirements For Wall Sheathing	N	2024: Footnote d. Text added to reduce field nailing to 8" o.c where wall framing specific gravity is equal to or greater than .35 and less than .42	L	L	A		A	Y	
13	Table R602.3(5)	Table R602.3(5)	Table R602.3(5)	Size, Height and Spacing of Wood Studs	N	2020/2021/2024: Footnote c. Where the roof span exceeds 32 feet, the wall studs shall be increased to 2 × 6 or the studs shall be designed in accordance with accepted engineering practice.	L	L	A		A	Y	
14	R602.3.1	R602.3.1	R602.3.1	Stud Size, Height and Spacing	N	2020/2021/2024: Exception 2: Where ground snow loads are less than or equal to 25 pounds per square foot…	L	L	A		A	Y	
15	N/A	N/A	N/A	Stud Size, Height and Spacing	N	See item 10: R602.3.1 - Recommend to add exception 4: Add language to provide direction to table R602.3.1	L	L	To Structural		A	Y	

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16	R602.6	R602.6	R602.6	Drilling and Notching of Studs	N	2020: 1.Notching. Any stud in an exterior wall or bearing partition shall be permitted to be cut or notched to a depth not exceeding 25 percent of its width. Studs in nonbearing partitions shall be permitted to be notched to a depth not to exceed 40 percent of a single stud width. 2.Drilling. Any stud shall be permitted to be bored or drilled, provided that the diameter of the resulting hole is not more than 60 percent of the stud width, the edge of the hole is not more than 5/8 inch (16 mm) to the edge of the stud, and the hole is not located in the same section as a cut or notch. Studs located in exterior walls or bearing partitions drilled over 40 percent and up to 60 percent shall be doubled with not more than two successive doubled studs bored. See Figures R602.6(1) and R602.6(2). Exception: Use of approved stud shoes is permitted where they are installed in accordance with the manufacturer's recommendations. 2021/2024: 1. Notching. A stud in an exterior wall or bearing partition shall not be cut or notched to a depth exceeding 25 percent of its depth. Studs in nonbearing partitions shall not be notched to a depth exceeding 40 percent of a single stud depth. 2. Boring. The diameter of bored holes in studs shall not exceed 60 percent of the stud depth, the edge of the hole shall not be less than 5/8 inch (16 mm) from the edge of the stud, and the hole shall not be located in the same section as a cut or notch. Where the diameter of a bored hole in a stud located in exterior walls or bearing partitions is over 40 percent, such stud shall be doubled and not more than two successive doubled studs shall be so bored. See Figures R602.6(1) and R602.6(2). Exception: Where approved, stud shoes are installed in accordance with the manufacturer's instructions.	L	L	A		A	Y	
17	R602.7.5	R602.7.5	R602.7.5	Supports for Headers	N	2020/2021/2024: Headers shall be supported on each end with one or more jack studs or with approved framing anchors in accordance with Table R602.7(1) or R602.7(2). The full-height stud adjacent to each end of the header shall be end nailed to each end of the header ~~with four 16d nails (3.5 inches × 0.135 inches)~~ in accordance with Table R602.3(1). The minimum number of full-height studs at each end of a header shall be in accordance with Table R602.7.5.	L	L	A		A	Y	
18	R602.9	R602.9	R602.9	Cripple Walls	N	2020/2021/2024: Exterior cripple walls with a stud height less than 14 inches (356 mm) shall be continuously sheathed on one side...	L	L	A		A	Y	

To be completed by Chair										To be completed by TAG members		
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19	R602.10.1.2	R602.10.1.2	R602.10.1.2	Offsets Along a Braced Wall Line	N	2020/2021/2024: R602.10.1.2 ~~Offsets along a braced wall line.~~ Location of braced wall lines and permitted offsets. Each braced wall line shall be located such that no more than two-thirds of the required braced wall panel length is located to one side of the braced wall line. Braced wall panels shall be permitted to be offset up to 4 feet (1219 mm) from the designated braced wall line. Braced wall panels parallel to a braced wall line shall be offset not more than 4 feet (1219 mm) from the designated braced wall line location as shown in Figure R602.10.1.1. Exterior walls parallel to a braced wall line shall be offset not more than 4 feet (1219 mm) from the designated braced wall line location as shown in Figure R602.10.1.1. Interior walls used as bracing shall be offset not more than 4 feet (1219 mm) from a braced wall line through the interior of the building as shown in Figure R602.10.1.1.	L	L	A		A	Y	
20	Table R602.10.1.3	Table R602.10.1.3	Table R602.10.1.3	Braced Wall Line Spacing	N	2020: Condition - Ultimate design wind speed ~~100 mph to~~ < 140 mph 2021/2024: Condition - Ultimate design wind speed < 140 mph	L	L	A		A	Y	
21	R602.10.2.2	R602.10.2.2	R602.10.2.2	Locations of Braced Wall Panels	N	2020/2021/2024: The nearest edge of a braced wall panel shall be located ~~begin~~ within 10 feet (3810 mm) from each end of a braced wall line as determined in Section R602.10.1.1. The distance between adjacent edges of braced wall panels along a braced wall line shall be not greater than 20 feet (6096 mm) as shown in Figure R602.10.2.2. Exceptions: 1. Braced wall panels in Seismic Design Categories D0, D1 and D2 shall comply with Section R602.10.2.2.1. 2. Braced wall panels with continuous sheathing in Seismic Design Categories A, B and C shall comply with Section R602.10.7	L	L	A		A	Y	
22	Figure R602.10.2.2	Figure R602.10.2.2	Figure R602.10.2.2	Location of Braced Wall Panels	N	2024: Figure updated to include requirement of R602.10.1.2	L	L	A		A	Y	

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23	R602.10.2.2.1	R602.10.2.2.1	R602.10.2.2.1	Location of Braced Wall Panels in Seismic Design Categories D-0,D-1,D-2	N	2020/2021/2024: Braced wall panels shall be located at each end of a braced wall line. Exceptions: 1. Braced wall panels constructed of Method WSP or BV-WSP and continuous sheathing methods as specified in Section R602.10.4 shall be permitted to begin not more than 10 feet (3048 mm) from each end of a braced wall line provided that each end complies with one of the following: 1.1 A minimum 24-inch-wide (610 mm) panel for Methods WSP, CS-WSP, CS-G and CS-PF is applied to each side of the building corner as shown in End Condition 4 of Figure R602.10.7. 1.2 The end of each braced wall panel closest to the end of the braced wall line shall have an 1,800 lb (8 kN) hold-down device fastened to the stud at the edge of the braced wall panel closest to the corner and to the foundation or framing below as shown in End Condition 5 of Figure R602.10.7. 2. Braced wall panels constructed of Method PFH or ABW, or of Method BV-WSP where a hold-down is provided in accordance with Table R602.10.6.5.4, shall be permitted to begin not more than 10 feet (3048 mm) from each end of a braced wall line.	L	L	A		A	Y	
24	Table R602.10.3(1)	Table R602.10.3(1)	Table R602.10.3(1)	Bracing Requirements Based on Wind Speed	N	2020/2021/2024: Ultimate Design Wind Speed < 95 mph added.	L	L	A		A	Y	
25	Table R602.10.3(2)	Table R602.10.3(2)	Table R602.10.3(2)	Wind Adjustment Factors to the Required Length of Wall Bracing	N	2020/2021/2024: Item 3: Wall ~~Story~~ Height (Section R60210.3.1)~~(Section R301.3~~) 2020/2021/2024: Item 8: Horizontal Blocking - Method Added WSP,PBS,CS-WSP	L	L	A		A	Y	
26	Table R602.10.3(3)	Table R602.10.3(3)	Table R602.10.3(3)	Bracing Requirements Based on Seismic Design Category	N	2021/2024: Soil class design condidtion removed. 2021/2024: Story location changes. 2021/2024: Footnote changes due to condition changes.	L	L	A		A	Y	
27	Table R602.10.3(4)	Table R602.10.3(4)	Table R602.10.3(4)	Seismic Adjustment Factors to the Required Length of Wall Bracing	N	~~2020~~/2021/2024: Item 1 - ~~Story height (Section 301.3)~~ changed to Wall height (Section R602.10.3.1) ~~2020~~/2021/2024: Item 8 - ~~See Table R602.10.6.5~~ changed to Limited brick veneer on second story. See Section R602.10.6.5.3. 2020/2021/2024: Item 10: Horizontal Blocking - Method Added WSP,PBS,CS-WSP 2021/2024: Foootnote g added for dwellings in SDC D-2.	L	L	A		A	Y	

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
28	N/A	R602.10.3.1	R602.10.3.1	Wall Height for Wood Framing	N	2021/2024: R602.10.3.1 Wall height for wood framing. For determination of braced wall and panel adjustment factors in accordance with Section R602.10, wall height shall be the vertical distance from the lower edge of the bottom plate to the upper edge of the upper top plate determined in accordance with Figure R602.10.3.1	L	L	A		A	Y	
29	N/A	Figure R602.10.3.1	Figure R602.10.3.1	Wall Height for Wood Framing	N	2021/2024: Figure added to provide clarification to new code language. See item 28.	L	L	A		A	Y	
30	Table R602.10.4	Table R602.10.4	Table R602.10.4	Bracing Methods	N	2020/2021/2024: Method: BV-WSP Figure R602.10.6.5.2 re-numbered. 2020/2021/2024: Method: PCP Section R703.~~7~~6 re-numbered.	L	L	A		A	Y	
31	Table R602.10.5	Table R602.10.5	Table R602.10.5	Minimum Length of Braced Wall Panels	N	2020/2021/2024: Footnote b. Use the actual length where it is greater than or equal to the minimum length. The actual length of Methods CS-G, CS-WSP, CS-SFB, PFH, PFG and CS-PF is the length of the full-height sheathed section.	L	L	A		A	Y	
32	R602.10.6	R602.10.6	R602.10.6	Const. of Methods ABW, PFH, PFG, CS-PF, BV-WSP	N	2020/2021/2024: Methods ABW, PFH, PFG, CS-PF and BV-WSP shall be constructed as specified in Sections R602.10.6.1 through R602.10.6.5. For the purposes of determining braced wall panel spacing and end distance, the edge of Methods PFH, PFG and CS-PF shall be defined as the end of the header.	L	L	A		**TABLE**	Y	5/6: TABLE pending additional information from Ron and Lisa H.
33	Figure R602.10.6.2	Figure R602.10.6.2	Figure R602.10.6.2	Method PFH	N	2020/2021/2024: Framing details added. 1) Header is permitted to extend to the end of a portal with a bearing block if pony wall not present and a 1000 pound tension strap is provided. 2) Header shall not extend over more than one opening.	M	L	A		**A**	Y	
34	Figure R602.10.6.3	Figure R602.10.6.3	Figure R602.10.6.3	Method PFG	N	2020/2021/2024: Framing detail added. 1) Header shall not extend over more than one opening.	M	L	A		A	Y	
35	R602.10.6.4	R602.10.6.4	R602.10.6.4	Method CS-PF	N	2020/~~2021~~/~~2024~~: Continuously sheathed portal frame braced wall panels shall be constructed in accordance with Figure R602.10.6.4 and Table R602.10.6.4. ~~The number of continuously sheathed portal frame panels in a single braced wall line shall not exceed four.~~	L	L	A		A	Y	
36	Figure R602.10.6.4	Figure R602.10.6.4	Figure R602.10.6.4	Method CS-PF	N	2020/2021/2024: Framing detail added. 1) Header shall not extend over more than one opening.	L	L	A		A	Y	

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
37	R602.10.6.5	N/A	N/A	Wall Bracing for Dwellings with Stone and Masonry Veneer	N	2020: R602.10.6.5 Wall bracing for dwellings with stone and masonry veneer in Seismic Design Categories D0, D1 and D2. Where stone and masonry veneer are installed in accordance with Section R703.8, wall bracing on exterior braced wall lines and braced wall lines on the interior of the building, backing or perpendicular to and laterally supporting veneered walls shall comply with this section. Where dwellings in Seismic Design Categories D0, D1 and D2 have stone or masonry veneer installed in accordance with Section R703.8, and the veneer does not exceed the first-story height, wall bracing shall be in accordance with Section R602.10.3. Where detached one- or two-family dwellings in Seismic Design Categories D0, D1 and D2 have stone or masonry veneer installed in accordance with Section R703.8, and the veneer exceeds the first-story height, wall bracing at exterior braced wall lines and braced wall lines on the interior of the building shall be constructed using Method BV-WSP in accordance with this section and Figure R602.10.6.5. Cripple walls shall not be permitted, and required interior braced wall lines shall be supported on continuous foundations. Where detached one- or two-family dwellings in Seismic Design Categories D0, D1 and D2 have exterior veneer installed in accordance with Section R703.8 and are braced in accordance with Method WSP or CS-WSP, veneer shall be permitted in the second story in accordance with Item 1 or 2, provided that the dwelling does not extend more than two stories above grade plane, the veneer does not exceed 5 inches (127 mm) in thickness, the height of veneer on gable-end walls does not extend more than 8 feet (2438 mm) above the bearing wall top plate elevation, and the total length of braced wall panel specified by Table R602.10.3(3) is multiplied by 1.2 for each first- and second-story braced wall line. 1.The total area of the veneer on the second-story exterior walls shall be permitted to extend up to 25 percent of the occupied second floor area. 2.The veneer on the second-story exterior walls shall be permitted to cover one side of the dwelling, including walls on bay windows and similar appurtenances within the one dwelling side. Townhouses in Seismic Design Categories D0, D1 and D2 with stone or masonry veneer exceeding the first-story height shall be designed in accordance with accepted engineering practice.	L	L			A	Y	
38	N/A	R602.10.6.5	R602.10.6.5	Wall Bracing for Dwellings with Stone and Masonry Veneer	N	2021/2024: R602.10.6.5 Wall bracing for dwellings with stone and masonry veneer in Seismic Design Categories D0, D1 and D2. Townhouses in Seismic Design Categories D0, D1 and D2 with stone or masonry veneer exceeding the first-story height shall be designed in accordance with accepted engineering practice. One- and two-family dwellings in Seismic Design Category D2 exceeding two stories and having stone or masonry veneershall be designed in accordance with accepted engineering practice. Where stone and masonry veneer are installed in accordance with Section R703.8, wall bracing on exterior braced wall lines and braced wall lines on the interior of the building, backing or perpendicular to and laterally supporting veneered walls shall comply with this section.	L	L	A		A	Y	
39	N/A	R602.10.6.5.1	R602.10.6.5.1	Veneer on first story only	N	2021/2024: Veneer on first story only. Where dwellings in Seismic Design Categories D0, D1 and D2 have stone or masonry veneer installed in accordance with Section R703.8 and the veneer does not exceed the first-story height, wall bracing shall be in accordance with Section R602.10, exclusive of Section R602.10.6.5.	L	L	A		A	Y	

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40	N/A	R602.10.6.5.2	R602.10.6.5.2	Veneer exceeding first-story height	N	2021/2024: Veneer exceeding first-story height. Where detached one- or two-family dwellings in Seismic Design Categories D0, D1 and D2 have stone or masonry veneer installed in accordance with Section R703.8, and the veneer exceeds the first-story height, wall bracing at exterior braced wall lines and braced wall lines on the interior of the building shall be constructed using Method BV-WSP in accordance with this section and Figure R602.10.6.5.2. Cripple walls shall not be permitted, and required interior braced wall lines shall be supported on continuous foundations.	L	L	A		A	Y	
41	N/A	R602.10.6.5.3	R602.10.6.5.3	Limited veneer exceeding first-story height	N	2021/2024: Limited veneer exceeding first-story height. Where detached one- or two-family dwellings in Seismic Design Categories D0, D1 and D2 have exterior veneer installed in accordance with Section R703.8 and where brick veneer installed above the first-story height meets the following limitations, bracing in accordance with Method WSP or CS-WSP shall be permitted provided that the total length of braced wall panels specified by Table R602.10.3(3) is multiplied by 1.2 for each first and second story braced wall line. 1. The dwelling does not extend more than two stories above grade plane. 2. The veneer does not exceed 5 inches (127 mm) in thickness. 3. The height of veneer on gable-end walls does not extend more than 8 feet (2438 mm) above the bearing wall top plate elevation. 4. Where veneer is installed on multiple walls above the first story, the total area of the veneer on the second-story exterior walls shall not exceed 25 percent of the occupied second floor area. 5. Where the veneer is installed on one entire second-story exterior wall, including walls on bay windows and similar appurtenances, brick veneer shall not be installed on any of the other walls on that floor.	L	L	A		A	Y	

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42	R602.10.6.5.1	R602.10.6.5.4	R602.10.6.5.4	Length of bracing	N	2020/2021/2024: Length of Bracing. The length of bracing along each braced wall line shall be the greater of that required by the ultimate design wind speed and braced wall line spacing in accordance with Table R602.10.3(1) as adjusted by the factors in Table R602.10.3(2) or the seismic design category and braced wall line length in accordance either with Table R602.10.6.5.4 when using Method BV-WSP, or Table R602.10.3(3) as adjusted by the factors in Table R602.10.3(4) when using Method WSP or CS-WSP. Angled walls shall be permitted to be counted in accordance with Section R602.10.1.4, and braced wall panel location shall be in accordance with Section R602.10.2.2. Spacing between braced wall lines shall be in accordance with Table R602.10.1.3. The seismic adjustment factors in Table R602.10.3(4) shall not be applied to the length of bracing determined using Table R602.10.6.5.4, except that the bracing amount increase for braced wall line spacing greater than 25 feet (7620 mm) in accordance with Table R602.10.1.3 shall be required. The minimum total length of bracing in a braced wall line, after all adjustments have been taken, shall be not less than 48 inches (1219 mm) total.	L	L	A		A	Y	
43	Table R602.10.6.5	Table R602.10.6.5.4	Table R602.10.6.5.4	Method BV-WSP Wall Bracing Requirements	N	2021/2024: Table re-numbered and graphic change for category D2. 2020/2021/2024: Footnotes added. a. One- and two-family dwellings in Seismic Design Category D2 exceeding two stories shall be designed in accordance with accepted engineering practices. b. Hold-down force is minimum allowable stress design load for connector providing uplift tie from wall framing at end of braced wall panel at the noted story to wall framing at end of braced wall panel at the story below, or to foundation or foundation wall. Use single-story hold-down force where edges of braced wall panels do not align; a continuous load path to the foundation shall be maintained. c. Where hold-down connectors from stories above align with stories below, use cumulative hold-down force to size middle- and bottom-story hold-down connectors. d. Interpolation between braced wall lengths is permitted.	L	L	A		A	Y	
44	Figure R602.10.7	Figure R602.10.7	Figure R602.10.7	End conditions for braced wall lines	N	2020/2021/2024: End Condition 5. 10' max distance from wall corner to edge of braced wall panel provided.	L	L	A		A	Y	
45	R602.10.10.1	R602.10.10.1	R602.10.10.1	Cripple wall bracing for seismic D and townhouses in seismic C	N	2020/2021/2024: Cripple wall bracing for Seismic Design Categories D0 and D1 and townhouses in Seismic Design Category C. In addition to the requirements in Section R602.10.10, cripple wall bracing shall be limited to methods WSP and CS-WSP, and the distance between adjacent edges of braced wall panels for cripple walls along a braced wall line shall be 14 feet (4267mm) maximum.	L	L	A		A	Y	

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46	R602.12.6.2	R602.12.6.2	R602.12.6.2	Method CS-PF	N	2020/2021/2024: Braced wall panels constructed as Method CS-PF in accordance with Section R602.10.6.4 shall be permitted where all framed portions of all exterior walls are sheathed with wood structural panels. Each CS-PF panel shall equal 0.75 bracing units. ~~Not more than four CS-PF panels shall be permitted on all segments of walls parallel to each side of the circumscribed rectangle.~~ Segments of wall that include a Method CS-PF panel shall meet the requirements of Section R602.10.4.2.	L	L	A		A	Y	
47	N/A	R603.1.1.1	R603.1.1.1	Alternate applications	N	2021/2024: Cold-formed steel wall framing for buildings exceeding the applicability limits of Section R603.1.1 are permitted to be designed and constructed in accordance with AISI S230, subject to the limits therein.	L	L	A		A	Y	
48	R603.1.2	R603.1.2	R603.1.2	In-line framing	N	2020/2021/2024: Load-bearing cold-formed steel studs constructed in accordance with Section R603 shall be located in-line with joists, trusses and rafters in accordance with the tolerances specified in AISI S240, Section B1.2.3. ~~Figure R603.1.2 and the tolerances specified as follows: 1.The maximum tolerance shall be 3/4 inch (19 mm) between the centerline of the horizontal framing member and the centerline of the vertical framing member. 2.Where the centerline of the horizontal framing member and bearing stiffener is located to one side of the centerline of the vertical framing member, the maximum tolerance shall be 1/8 inch (3 mm) between the web of the horizontal framing member and the edge of the vertical framing member.~~	L	L	A		A	Y	
49	Figure R603.1.2	N/A	N/A	In-line framing	N	2020/2021/2024: Figure R603.1.2 removed.					A	Y	
50	R603.2.1	R603.2.1	R603.2.1	Material	N	2020/2021/2024: Load-bearing cold-formed steel framing members shall be cold formed to shape from structural-quality sheet steel complying with the requirements of AISI S240, Section A3. ~~ASTM A1003: Structural Grades 33 Type H and 50 Type H.~~	L	L	A		A	Y	
51	R603.2.2	R603.2.2	R603.2.2	Corrosion protection	N	2020/2021/2024: Load-bearing cold-formed steel framing shall have a ~~metallic~~ protective coating complying with AISI S240, Section A4. ~~ASTM A1003 and one of the following: 1.Not less than G 60 in accordance with ASTM A653. 2.Not less than AZ 50 in accordance with ASTM A792.~~	L	L	A		A	Y	

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52	R603.2.3	R603.2.3	R603.2.3	Dimension, thickness and material grade	N	2020/2021/2024: Load-bearing cold-formed steel wall framing members shall comply with ~~Figure R603.2.3(1) and with~~ the dimensional and thickness requirements specified in AISI S230, Section A4.3 and material grade requirements as specified in AISI S230, Section A4.4.~~*Table R603.2.3. Additionally, C-shaped sections shall have a minimum flange width of 15/8 inches (41 mm) and a maximum flange width of 2 inches (51 mm). The minimum lip size for C-shaped sections shall be 1/2 inch (12.7 mm). Track sections shall comply with Figure R603.2.3(2) and shall have a minimum flange width of 11/4 inches (32 mm). Minimum Grade 33 ksi steel shall be used wherever 33 mil and 43 mil thicknesses are specified. Minimum Grade 50 ksi steel shall be used wherever 54 and 68 mil thicknesses are specified.*~~	L	L	A		A	Y	
53	R603.2.4	R603.2.4	R603.2.4	Identification	N	2020/2021/2024: Load-bearing cold-formed steel framing members shall meet the product identification requirements of AISI S240, Section A5.5. ~~have a legible label, stencil, stamp or embossment with the following information as a minimum: 1.Manufacturer's identification. 2.Minimum base steel thickness in inches (mm). 3.Minimum coating designation. 4.Minimum yield strength, in kips per square inch (ksi) (MPa).~~	L	L	A		A	Y	
54	R603.2.6	R603.2.6	R603.2.6	Web holes, web hole reinforcing and web hole patching	N	2020/2021/2024: Web holes in wall studs shall comply with the conditions as prescribed in AISI S230, Section A4.5. Web holes not in conformance to the conditions as prescribed in AISI S230, Section A4.5 shall be reinforced in accordance with the provisions of AISI S230, Section A4.6 or patched in accordance with the provisions of AISI S230, Section A4.7.~~, web hole reinforcing and web hole patching shall be in accordance with this section.~~	L	L	A		A	Y	
55	R603.2.6.1	N/A	N/A	Web holes	N	2020: ~~Web holes in wall studs and other structural members shall comply with all of the following conditions: 1.Holes shall conform to Figure R603.2.6.1. 2.Holes shall be permitted only along the centerline of the web of the framing member. 3.Holes shall have a center-to-center spacing of not less than 24 inches (610 mm). 4.Holes shall have a web hole width not greater than 0.5 times the member depth, or 11/2 inches (38 mm). 5.Holes shall have a web hole length not exceeding 41/2 inches (114 mm). 6.Holes shall have a minimum distance between the edge of the bearing surface and the edge of the web hole of not less than 10 inches (254 mm). Framing members with web holes not conforming to the above requirements shall be reinforced in accordance with Section R603.2.6.2, patched in accordance with Section R603.2.6.3 or designed in accordance with accepted engineering practice.~~	L	L	A		A	Y	
56	Figure R603.2.6.1	N/A	N/A	Wall stud web holes	N	2020: Figure deleted.	L	L	A		A	Y	

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57	R603.2.6.2	N/A	N/A	Web hole reinforcing	N	2020: ~~Web holes in gable endwall studs not conforming to the requirements of Section R603.2.6.1 shall be permitted to be reinforced if the hole is located fully within the center 40 percent of the span and the depth and length of the hole does not exceed 65 percent of the flat width of the web. The reinforcing shall be a steel plate or C-shaped section with a hole that does not exceed the web hole size limitations of Section R603.2.6.1 for the member being reinforced. The steel reinforcing shall be the same thickness as the receiving member and shall extend not less than 1 inch (25 mm) beyond all edges of the hole. The steel reinforcing shall be fastened to the web of the receiving member with No. 8 screws spaced not more than 1 inch (25 mm) center-to-center along the edges of the patch with minimum edge distance of 1/2 inch (12.7 mm).~~	L	L	A		A	Y	
58	R603.2.6.3	N/A	N/A	Hole patching	N	2020: ~~Web holes in wall studs and other structural members not conforming to the requirements in Section R603.2.6.1 shall be permitted to be patched in accordance with either of the following methods: 1.Framing members shall be replaced or designed in accordance with accepted engineering practice where web holes exceed the following size limits: 1.1.The depth of the hole, measured across the web, exceeds 70 percent of the flat width of the web. 1.2.The length of the hole measured along the web exceeds 10 inches (254 mm) or the depth of the web, whichever is greater. 2.Web holes not exceeding the dimensional requirements in Section R603.2.6.3, Item 1, shall be patched with a solid steel plate, stud section or track section in accordance with Figure R603.2.6.3. The steel patch shall, as a minimum, be the same thickness as the receiving member and shall extend not less than 1 inch (25 mm) beyond all edges of the hole. The steel patch shall be fastened to the web of the receiving member with No. 8 screws spaced not more than 1 inch (25 mm) center-to-center along the edges of the patch with a minimum edge distance of 1/2 inch (12.7 mm).~~	L	L	A		A	Y	
59	Figure R603.2.6.3	N/A	N/A	Wall stud web hole patch	N	2020: Figure deleted.	L	L	A		A	Y	
60	R603.3.2	R603.3.2	R603.3.2	Minimum stud sizes	N	2020/2021/2024: ...set forth in Tables R603.3.2(2) through R603.3.2(16). Interior load-bearing wall stud size and thickness shall be determined in accordance with the limits set forth in Tables R603.3.2(2) through R603.3.2(16) based on an ultimate design wind speed of 115 miles per hour (51 m/s), Exposure Category B, and the building width, stud spacing and ground snow load, as appropriate. Fastening requirements...	L	L	A		A	Y	

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61	R606.1.1	R606.1.1	R606.1.1	Professional registration not required	N	2020/2021/2024: Where the ~~empirical design~~ provisions of ~~Appendix A of TMS 402, the provisions of~~ TMS 403, or the provisions of this section are used to design masonry, project drawings, typical details and specifications are not required to bear the seal of the architect or engineer responsible for design, unless otherwise required by the state law of the jurisdiction having authority.	L	L	A		A	Y	
62	R606.2.8.1	R606.2.8.1	R606.2.8.1	Foundation walls	N	2020/2021/2024: Mortar for masonry foundation walls constructed as set forth in Tables R404.1.2.1(1) through R404.1.2.1(4) shall be Type M or S mortar.	L	L	A		A	Y	
63	R606.2.10	R606.2.10	R606.2.10	Mortar for ACC masonry	N	2020/2021/2024: Thin-bed mortar for AAC masonry shall comply with Article 2.2 ~~1~~ D~~C~~.1 of TMS 602. Mortar used for the leveling courses of AAC masonry shall comply with Article 2.2~~1~~ D~~C~~.2 of TMS 602.	L	L	A		A	Y	
64	R606.12	R606.12	R606.12	Seismic requirements	N	2020/2021/2024: These requirements shall not apply to glass unit masonry conforming to Section R607 ~~R610~~, anchored masonry veneer…	L	L	A		A	Y	
65	R606.12.1	R606.12.1	R606.12.1	General	N	2020/2021/2024: ...of Sections R606.12.2 through R606.12.4 based on the seismic design category established in Table R301.2.1(1) ~~R301.2(2)~~.	L	L	A		A	Y	
66	R606.12.2.3.1	R606.12.2.3.1	R606.12.2.3.1	Connections to masonry shear walls	N	2020/2021/2024: Connectors shall be provided to transfer forces between masonry walls and horizontal elements in accordance with the requirements of Chapter 4 ~~Section 4.1.4~~ of TMS 402.	L	L	A		A	Y	
67	R606.12.2.3.2	R606.12.2.3.2	R606.12.2.3.2	Connections to masonry columns	N	2020/2021/2024: Connectors shall be provided to transfer forces between masonry columns and horizontal elements in accordance with the requirements of Chapter 4 ~~Section 4.1.4~~ of TMS 402.	L	L	A		A	Y	
68 **End Mtg #13**	R606.12.3.1	R606.12.3.1	R606.12.3.1	Design requirements	N	2020/2021/2024: Masonry elements... be designed in accordance with the requirements of Chapters 1 through 7 and Sections 8.1 and 8.3 of TMS 402~~, ACI 530/ASCE 5~~ and shall meet the minimum reinforcement…	L	L	A		A	Y	
69 **Start Mtg #15**	R607.4.2	R607.4.2	R607.4.2	Exterior thin-unit panels	N	2020/2021/2024: ...Thin units shall not be used in applications where the design wind pressure as stated in Table ~~R301.2(2)~~ R301.2.1(1) exceeds 20 pounds per square foot (958 Pa).	L	L	A		A	Y	
70	R608.1	R608.1	R608.1	General	N	2020/2021/2024: Exterior concrete walls shall be designed and constructed in accordance with the provisions of this section or in accordance with the provisions of PCA 100, ~~or~~ ACI 318 or ACI 332. Where PCA 100, ACI 318, ACI 332 or the provisions of this section are used to design concrete walls, project drawings, typical details and...	L	L	A		A	Y	
71	R608.4.1	R608.4.1	R608.4.1	Surface burning characteristics	N	2020/2021/2024: ... The surface burning characteristics of foam plastic used in insulating concrete forms shall comply with Section ~~R316.3~~ R303.3.	L	L	A		A	Y	
72	R608.4.2	R608.4.2	R608.4.2	Interior covering	N	2020/2021/2024: Stay-in-place forms constructed of rigid foam plastic shall be protected on the interior of the building as required by Sections ~~R316.4~~ R303.4 and R702.3.4.	L	L	A		A	Y	

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
73	R608.5.1	R608.5.1	R608.5.1	Concrete and materials for concrete	N	2020/2021/2024: Materials used in concrete, and the concrete itself, shall conform to requirements of this section, PCA 100, ~~or~~ ACI 318 or ACI 332.	L	L	A		A	Y	
74	R608.5.2.1	R608.5.2.1	R608.5.2.1	Steel reinforcement	N	2020/2021/2024: Steel reinforcement shall comply with ASTM A615, ASTM A706, or ASTM A996M. ASTM A996M bars produced from rail steel shall be Type R.	L	L	A		A	Y	
75	R608.5.2.3	R608.5.2.3	R608.5.2.3	Sheet steel angles and tension tie straps	N	2020/2021/~~2024~~: Angles and tension tie straps for use with connection details in accordance with Figures R608.9(1) through R608.9(12) shall be fabricated from sheet steel complying with ASTM A653 ~~SS~~, ASTM A792 ~~SS~~, or ASTM A875 ~~SS~~. The steel shall be minimum Grade 33 unless a higher grade is required by the applicable figure.	L	L	A		A	Y	
76	Table R608.5.4(1)	Table R608.5.4(1)	Table R608.5.4(1)	Lap splice and tension developmdent lengths	N	2020/~~2021/2024~~: Tension development length for: a. 90-degree and 180-degree standard hooks with not less than 2.5" of side cover perpendicular to plane of hook~~, and~~ b. 90-degree standard hooks with not less than 2" of cover on the bar extension beyond the hook.	L	L	A		A	Y	
77	R608.7.1.1	R608.7.1.1	R608.7.1.1	Length of solid wall for wind	N	2020/2021/2024: ...The site-appropriate basic wind speed and exposure category shall be used in Tables R608.7.1.1(1)~~(1A)~~ through (3)~~(1C)~~ to determine the... unreduced total length, UR, of solid wall required in each exterior endwall line and sidewall line. For buildings with a mean roof height of less than 35 feet (10 668 mm), the unreduced values determined from Tables R608.7.1.1(1)~~(1A)~~ though (3)(1C) are permitted to be reduced by multiplying by the applicable factor, R1, from Table R608.7.1.1(4)~~(2)~~; however, reduced values shall be not less than the minimum values in Tables R608.7.1.1(1)~~(1A)~~ through (3)~~(1C)~~. Where the floor-to-ceiling height of a story is less than 10 feet (3048 mm), the unreduced values determined from Tables R608.7.1.1(1)~~(1A)~~ through (3)~~(1C)~~, including minimum values, are permitted to be reduced by multiplying by the applicable factor, R2, from Table R608.7.1.1(5)~~(3)~~. To account for different design strengths than assumed in determining the values in Tables R608.7.1.1(1)~~(1A)~~ through (3)~~(1C)~~, the unreduced lengths determined from Tables R608.7.1.1(1)~~(1A)~~ through (3)~~(1C)~~, including minimum values, are permitted to be reduced by multiplying by the applicable factor, R3, from Table R608.7.1.1(6)~~(4)~~. The reductions permitted by Tables R608.7.1.1(4)~~(2)~~, R608.7.1.1(5)~~(3)~~ and R608.7.1.1(6)~~(4)~~ are cumulative.	L	L	A		A	Y	

To be completed by Chair											To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
78	R608.7.1.1 - Cont.	R608.7.1.1 - Cont.	R608.7.1.1 - Cont.	Length of solid wall for wind	N	2020/2021/2024: The total length of solid wall segments, TL, in a wall line that comply with the minimum length requirements of Section R608.7.2.1 [see Figure R608.7.1.1(1)] shall be equal to or greater than the product of the unreduced length of solid wall from Tables R608.7.1.1(1)~~(1A)~~ through (3)~~(1C)~~, UR and the applicable reduction factors, if any, from Tables R608.7.1.1(4)~~(2)~~, R608.7.1.1(5)~~(3)~~ and R608.7.1.1(6)~~(4)~~ as indicated by Equation ~~R6~~-1.	L	L	A		A	Y	
79	R608.7.1.1 - Cont.	R608.7.1.1 - Cont.	R608.7.1.1 - Cont.	Length of solid wall for wind	N	2020/2021/2024: where: TL = Total length of solid wall segments in a wall line that comply with Section R608.7.2.1 [see Figure R608.7.1.1(1)]. R1 = 1.0 or reduction factor for mean roof height from Table R608.7.1.1(4)~~(2)~~. R2 = 1.0 or reduction factor for floor-to-ceiling wall height from Table R608.7.1.1(5)~~(3)~~. R3 = 1.0 or reduction factor for design strength from Table R608.7.1.1(6)(4). UR = Unreduced length of solid wall from Tables R608.7.1.1(1)~~(1A)~~ through (3)~~(1C)~~.	L	L	A		A	Y	
80	R608.7.1.1 - Cont.	R608.7.1.1 - Cont.	R608.7.1.1 - Cont.	Length of solid wall for wind	N	2020/2021/2024: To facilitate determining the required wall thickness, wall type, number and grade of vertical bars at each end of each solid wall segment, and whether shear reinforcement is required, use of Equation ~~R6~~-2 is permitted. After determining the maximum permitted value of the reduction factor for design strength, R3, in accordance with Equation ~~R6~~-2, select a wall type from Table R608.7.1.1(6)~~(4)~~ with R3 less than or equal to the value calculated.	L	L	A		A	Y	
81	Figure R608.7(1)	Figure R608.7.1.1(1)	Figure R608.7.1.1(1)	Minimum solid wall length	N	2020/2021/2024: Figure renumbered - R608.7.1.1(1)	L	L	A		A	Y	
82	Figure R608.7(1)	Figure R608.7.1.1(1)	Figure R608.7.1.1(1)	Minimum solid wall length	N	2020/2021/2024: ~~See section R608.7.1.1~~ removed					A	Y	
83	Figure R608.7(2)	Figure R608.7.1.1(2)	Figure R608.7.1.1(2)	Vertical reinforcement layout detail	N	2020/2021/2024: Figure renumbered - R608.7.1.1(2)	L	L	A		A	Y	
84	Figure R608.7(2)	Figure R608.7.1.1(2)	Figure R608.7.1.1(2)	Vertical reinforcement	N	2020/2021/2024: Referenced table renumbered - R608.7.1.1(6)~~(4)~~	L	L	A		A	Y	
85	Figure R608.7(3)	Figure R608.7.1.1(3)	Figure R608.7.1.1(3)	Vertical wall reinforcement adjacent to…	N	2020/2021/2024: Figure renumbered - R608.7.1.1(3)	L	L	A		A	Y	
86	Table R608.7(1A)	Table R608.7.1.1(1)	Table R608.7.1.1(1)	Unreduced length, UR, of solid wall…	N	2020/2021/2024: Table renumbered - R608.7.1.1(1)~~(1A)~~	L	L	A		A	Y	
87	Table R608.7(1B)	Table R608.7.1.1(2)	Table R608.7.1.1(2)	Unreduced length, UR, of solid wall…	N	2020/2021/2024: Table renumbered - R608.7.1.1(2)~~(1B)~~	L	L	A		A	Y	

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88	Table R608.7(1C)	Table R608.7.1.1(3)	Table R608.7.1.1(3)	Unreduced length, UR, of solid wall...	N	2020/2021/2024: Table renumbered - R608.7.1.1(3)~~(1C)~~	L	L	A		A	Y	
89	Table R608.7(2)	Table R608.7.1.1(4)	Table R608.7.1.1(4)	Reduction factor, R1, for buildings with...	N	2020/2021/2024: Table renumbered - R608.7.1.1(4)~~(2)~~	L	L	A		A	Y	
90	Table R608.7(3)	Table R608.7.1.1(5)	Table R608.7.1.1(5)	Reduction factor, R2, for floor to ceiling...	N	2020/2021/2024: Table renumbered - R608.7.1.1(5)~~(3)~~	L	L	A		A	Y	
91	Table R608.7(4)	Table R608.7.1.1(6)	Table R608.7.1.1(6)	Reduction factor for design strength, R3...	N	2020/2021/2024: Table renumbered - R608.7.1.1(6)~~(4)~~	L	L	A		A	Y	
92	R608.7.2	R608.7.2	R608.7.2	Solid wall segments	N	2020/2021/2024: ...Reinforcement shall be provided in accordance with Section R608.7.2.2 and Table R608.7.1.1(6)~~(4)~~.	L	L	A		A	Y	
93	R608.7.2.1	R608.7.2.1	R608.7.2.1	Min. length of solid wall segment and max spacing	N	2020/2021/2024: ...The maximum clear opening width shall be 18 feet (5486 mm). See Figure R608.7.1.1(1).	L	L	A		A	Y	
94	R608.7.2.2.1	R608.7.2.2.1	R608.7.2.2.1	Horizontal shear reinforcement	N	2020/2021/2024: Where reduction factors for design strength, R3, from Table R608.7.1.1(6)~~(4)~~ based on horizontal and vertical shear reinforcement being provided are used, solid wall segments shall have horizontal reinforcement consisting of minimum No. 4 bars...	L	L	A		A	Y	

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
95	R608.7.2.2.2	R608.7.2.2.2	R608.7.2.2.2	Vertical reinforcement	N	2020/2021/2024: Vertical reinforcement applicable to the reduction factor(s) for design strength, R3, from Table R608.7.1.1(6)~~(4)~~ that is used, shall be located at each end of each solid wall segment in accordance with the applicable detail in Figure R608.7.1.1(2). The No. 4 vertical bar required on each side of an opening by Section R608.8.1.2 is permitted to be used as reinforcement at the ends of solid wall segments where installed in accordance with the applicable detail in Figure R608.7.1.1(2). There shall be not less than two No. 4 bars at each end of solid wall segments located as required by the applicable detail in Figure R608.7.1.1(2) ...The vertical wall reinforcement at each end of each solid wall segment shall be developed below the bottom of the adjacent wall opening [see Figure R608.7.1.1(3)] by one of the following methods: ...	L	L	A		A	Y	
96	R608.7.2.2.3	R608.7.2.2.3	R608.7.2.2.3	Vertical shear reinforcement	N	2020/2021/2024: Where reduction factors for design strength, R3, from Table R608.7.1.1(6)~~(4)~~ based on horizontal and vertical shear...	L	L	A		A	Y	
97	R608.8.1.2	R608.8.1.2	R608.8.1.2	Vertical reinforcement	N	2020/2021/2024: ...in accordance with Section R608.7.2.2.2, provided it is located as required by the applicable detail in Figure R608.7.1.1(2). ...a concrete flange shall be created at the ends of the solid wall segments in accordance with Table R608.7.1.1(6)~~(4)~~, Note e.	L	L	A		A	Y	
98	R609.2	R609.2	R609.2	Performance	N	2020/2021/2024: Exterior windows and doors shall be capable of resisting the design wind loads specified in Table R301.2.1(1)~~(2)~~ adjusted for height and exposure in accordance with Table R301.2.1(2)~~(3)~~ or determined in accordance with ASCE 7 using...	L	L	A		A	Y	
99	R609.3	R609.3	R609.3	Testing and labeling	N	2020/2021/2024: ...Exterior side-hinged doors shall be tested and labeled as conforming to AAMA/WDMA/CSA 101/I.S.2/A440 or ~~AMD~~ ANSI/WMA 100, or comply with Section R609.5.	L	L	A		A	Y	
100	R609.4	R609.4	R609.4	Garage doors	N	2020/2021/2024: Garage doors shall be tested in accordance with either ASTM E330 or ANSI/DASMA 108, and shall meet the pass/fail ~~acceptance~~ criteria of ANSI/DASMA 108.	L	L	A		A	Y	
101	N/A	R609.4.1	R609.4.1	Garage door labeling	N	2020/2021/2024: Garage doors shall be labeled with a permanent label provided by the garage door manufacturer. The label shall identify the garage door manufacturer, the garage door model/series number, the positive and negative design wind pressure rating, the installation instruction drawing reference number, and the applicable test standard. Garage doors shall be installed in accordance with the manufacturer's installation instructions.	L	L	A		A	Y	
102	R609.5	R609.5	R609.5	Other exterior window and door assemblies	N	2020/2021/2024: Exterior windows and door assemblies not included within the scope of Section R609.3 or R609.4 shall be tested in accordance with ASTM E330. Glass in assemblies covered by this section shall comply with Section R324.5 ~~R308.5~~.	L	L	A		A	Y	

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103	R609.6.2	R609.6.2	R609.6.2	Impact protective systems testing and labeling	N	2020/2021/2024: ...Required design wind pressures shall be determined in accordance with Table R301.2.1(1)~~(2)~~, adjusted for height and exposure in accordance with Table R301.2.1(2)~~(3)~~ or determined in accordance with ASCE 7...	L	L	A		A	Y	
104	Table R610.5(1)	Table R610.5(1)	Table R610.5(1)	Min.thickness for SIP wall...roof only	N	2020/2021/2024: Footnote a - Wind loads based on Table R301.2.1(1)~~(2)~~. Ground added to snow load column.	L	L	A		A	Y	
105	Table R610.5(2)	Table R610.5(2)	Table R610.5(2)	Min.thickness for SIP wall...one story and roof only	N	2020/2021/2024: Footnote a - Wind loads based on Table R301.2.1(1)~~(2)~~. Ground added to snow load column.	L	L	A		A	Y	
106	R610.5.6	R610.5.6	R610.5.6	Thermal barrier	N	2020/2021/2024: SIP walls shall be separated from the interior of a building by an approved thermal barrier in accordance with Section R303.4 ~~R316.4~~.	L	L	A		A	Y	
107	Table R610.8	Table R610.8	Table R610.8	Max spans...SIP headers	N	2020/2021/2024: Footnote a - Wind loads based on Table R301.2.1(1)~~(2)~~. Ground added to snow load column.	L	L	A		A	Y	
1309 Ch. 7 Wall Coverings													
1	TABLE R702.3.5	SAME	SAME	GYP Application	N	21 IRC TEXT CHANGES: changed 'annular ringed' to 'Ring Shank' and added 'galvanized' to fastener descriptions	L	L	A		A	Y	
2	TABLE R702.3.5	SAME	SAME	GYP Application	N	21 IRC Changed 'd' (penny) to inch diameter designatioin	L	L	A		A	Y	
3	R702.7	SAME	SAME	VAPOR RETARDERS	Y	2020 MN Amendment: A class I or II vapor retarder is required on the interior side of frame walls in Climate Zones 6 and 7. Class II vapor retarders are permitted only when specified on the construction documents.	L	L			DELETE MN Amendment AAW	Y	**6/17: consensus to delete the MN amendment and accept the model code language as written.**

To be completed by Chair											To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
4	R702.7	SAME	SAME	VAPOR RETARDERS	**N**	21 & 24 IRC DELETED the : R702.7 Vapor retarders. Vapor retarder materials shall be classified in accordance with Table R702.7(1). A vapor retarder shall be provided on the interior side of frame walls of the class indicated in Table R702.7(2), including compliance with Table R702.7(3) or R702.7(4) where applicable. An approved design using accepted engineering practice for hygrothermal analysis shall be permitted as an alternative. Vapor retarders shall be installed in accordance with Section R702.7.2. The climate zone shall be determined in accordance with Section N1101.7. Exceptions: 1. Basement walls . 2. Below-grade portion of any wall. 3. Construction where accumulation, condensation or freezing of moisture will not damage the materials. 4. A vapor retarder shall not be required in Climate Zones 1, 2 and 3. 5. In Climate Zones 4 through 8, a vaporretarder shall not be required where the assembly complies with Table R702.7(5).	L	L			A	Y	
5	R702.7.1	DELETED	NA	Class III vapor retarders.	N	21 IRC Deleted the text of this section and replaced it with the text of footnote a. of TABLE R702.7.1 ~~**Class III vapor retarders.**~~ ~~Class III vapor retarders shall be permitted where any one of the conditions in Table R702.7.1 is met.~~ **R702.7.1 Spray foam plastic insulation for moisture control with Class II and III vapor retarders.** For purposes of compliance with Tables R702.7(3) and R702.7(4), spray foamwith a maximum permeance of 1.5 perms at the installed thickness applied to the interior sideof wood structural panels , fiberboard, insulating sheathing or gypsum shall be deemed to meet the continuous insulation moisture control requirement in accordance with one of the followingconditions: 1. The spray foam R-value is equal to or greater than the specified continuous insulationR-value. 2. The combined R-value of the spray foam and continuous insulation is equal to orgreater than the specified continuous insulation R-value.	L	L	A		A	Y	
6	TABLE R702.7.1	TABLE R702.7(3)	SAME	Class III vapor retarders. TABLE	N	21 IRC RENUMBERED this TABLE to R702.7(3) see line item #9	L	L	A		A	Y	
7	NA	TABLE R702.7(1)	SAME	VAPOR RETARDER MATERIALS AND CLASSES	N	21 IRC Created this new table	L	L	A		A	Y	

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
8	R702.7.2	R702.7.2	R702.7.2	Vapor retarder installation.	N	21 IRC Deleted R702.7.2 24 IRC RE-created the section and chanded the 2020 heading and text of this section and replaced it with new language and heading. ~~**Material vapor retarder class.**~~ ~~The vapor retarder class shall be based on the manufacturer's certified testing or a tested assembly.~~ ~~The following shall be deemed to meet the class specified:~~ ~~1.Class I: Sheet polyethylene, on perforated aluminum foil.~~ ~~2.Class II: Kraft-faced fiberglass batts.~~ ~~3.Class III: Latex or enamel paint.~~ **Vapor retarder installation.** Vapor retarders shall be installed in accordance with the manufacturer's instructions, accepted installation methods or an approved design. Where a vapor retarder also functions as a component of a continuous air barrier , the vapor retarder shall be installed as an air barrier in accordance with Section N1102.5.1.1.	L	L			A	Y	
9	NA	TABLE R702.7(2)	SAME	VAPOR RETARDER OPTIONS	N	21 IRC Created this new table 24 IRC made changes to the footnotes: a. ~~Class I and II vapor retarders with vapor permeance greater than 1 perm when measured by ASTM E96 water method (Procedure B)~~ A responsive vapor retarder shall be allowed on the interior side of any frame wall in all climate zones. b. In frame walls, Uuse of a Class I vapor retarder that is not a responsive vapor retarder ~~in frame walls~~ on the interior side with a Class I vapor retarder on the exterior side shall require an approved design. c. Where a Class I or II vapor retarder is used in combination with foam plastic insulating sheathing or insulated siding installed as continuous insulation on the exterior side of frame walls, the continuous insulation shall comply with Table R702.7(4) and the Class I or II vapor retarder shall be a responsive vapor retarder. ~~have a vapor permeance greater than 1 perm when measured by ASTM E96 water method (Procedure B).~~	L	L			A	Y	
10	R702.7.3	DELETED	NA	Minimum clear airspaces and vented openings for vented cladding.	N	21 IRC Deleted this section	L	L			A	Y	

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11	TABLE R702.7.1	TABLE R702.7(3)	SAME	Class III vapor retarders. TABLE	N	21&24 IRC made the following changes: climate zones 7 & 8 were separated into their own rows and new criteria was added to zone 8. Continuous insulation with R-value ≥ 12.5 over 2 × 4 wall. Continuous insulation with R-value ≥ 20 over 2 × 6 wall. 2020 footnote a. text was moved and replaced the text deleted on section R702.7.1. see line item #5 new text for footnotes a. & b. was created: a. Vented cladding shall include vinyl, polypropylene, or horizontal aluminum siding, brick veneer with a clear airspace as specified in Table R703.8.4(1), rainscreen systems and other approved vented claddings. b. The requirements in this table apply only to insulation used to control moisture in order to permit the use of Class III vapor retarders. The insulation materials used to satisfy this option also contribute to but do not supersede the thermal envelope requirements of Chapter 11.	L	L			A	Y	
12	NA	TABLE R702.7(4)	SAME	CONTINUOUS INSULATION WITH CLASS I OR II RESPONSIVE VAPOR RETARDER	N	21 IRC Created this new table Broken down by climate zones and permitted conditions including footnote a.: a. The requirements in this table apply only to insulation used to control moisture in order to permit the use of Class II vapor retarders. The insulation materials used to satisfy this option also contribute to but do not supersede the thermal envelope requirements of Chapter 11.	L	L			A	Y	
13	NA	NA	TABLE R702.7(5)	CONTINUOUS INSULATION ON WALLS WITHOUT A CLASS I, II OR III INTERIOR VAPOR RETARDERa	N	24 IRC Created this new table CONTINUOUS INSULATION ON WALLS WITHOUT A CLASS I, II OR III INTERIOR VAPOR RETARDER	L	L			A	Y	
14	703	703	703	Exterior Wall Covering	N	24 IRC Added WALL to the title	L	L	A		A	Y	
15	R703.1.1	R703.1.1	R703.1.1	WATER RESISTANCE	N	24 IRC R703.1.1 Water resistance. The exterior wall envelope shall be designed and constructed in a manner that prevents the accumulation of water within the wall assembly by providing a ~~water-resistant barrier~~ water-resistive barrier	L	L	A		A	Y	
16	R703.1.2	SAME	SAME	WIND RESISTANCE	N	24 IRC Added the word Exterior in front of Soffit each time it is mentioned in this section.	L	L	A		A	Y	

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments	Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
17	R703.2	SAME	SAME	Water-resistive barrier.	Y	21 IRC 24 IRC: ~~One layer of No. 15 asphalt felt, free from holes and breaks, complying with ASTM D226 for Type 1 felt or other approved~~ Not fewer than one layer of water-resistive barrier shall be applied over studs or sheathing of all exterior walls with flashing as indicated in Section R703.4, in such a manner as to provide a continuous water-resistive barrier behind the exterior wall veneer and behind deck ledgers. The water-resistive barrier material shall be continuous to the top of walls to the underside of the rafter or truss top chord and terminated at penetrations and terminated at penetrations and building appendages in a manner to meet the requirements of the exterior wall envelope as described in Section R703.1. Where the water resistive barrier also functions as a component of a continuous air barrier, the water-resistive barrier shall be installed as an air barrier in accordance with Section N1102.5.1.1. Water-resistive barrier materials shall comply with one of the following: 1. No. 15 felt complying with ASTM D226, Type 1. 2. ASTM E2556, Type 1 or 2. 3. Foam plastic insulating sheathing water-resistive barrier systems complying with Section R703.1.1 and installed in accordance with the manufacturer's installation instructions. ~~3~~ 4. ASTM E331 in accordance with Section R703.1.1. ~~4~~ 5. Other approved materials in accordance with the manufacturer's installation instructions. No.15 asphalt felt and water-resistive barriers complying with ASTM E2556 shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches (51 mm). Where joints occur, felt shall be lapped not less than 6 inches (152 mm).	L	L			**AMEND**		6/17: **CCP** to amend 24 IRC language by STAFF wil be submitted. **See green text in column G**
18	R703.2	R703.2	R703.2 **continued**	Water-resistive barrier.	**Y**	24 IRC continued Exception: A water-resistive barrier shall not be required in unconditioned detached tool sheds, storage sheds, playhouses, and other similar accessory structures provided all of the following requirements are met: 1. Exterior wall covering is limited to siding that is attached direct to studs. 2. Exterior walls are uninsulated. 3. Interior side of exterior walls has no wall covering or wall finishes.	L	L			**AMEND**		6/17: CCP to amend 24 IRC language by STAFF wil be submitted. **See above** **DELETE all the exception**

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19 **END MTG #15**	R703.2	R703.2	R703.2	Water-resistive barrier.	**Y**	**2020 MN Amendment:** R703.2 Water-resistive barrier.One layer of No. 15 asphalt felt, free from holes and breaks, complying with ASTM D226 for Type 1 felt or other approved water-resistive barrier shall be applied over studs or sheathing of all exterior walls. No.15 asphalt felt shall be applied horizontally, with the upper layer lapped over the lower layer not less than 2 inches (51 mm). Where joints occur, felt shall be lapped not less than 6 inches (152 mm). Other approved materials shall be installed in accordance with the water-resistive barrier manufacturer's **installation instructions. The No. 15 asphalt felt or other approved water-resistive barrier material shall overlap the flashings required in Section R703.4 not less than 2 inches** (51 mm). The No. 15 asphalt felt or other approved water-resistive barrier material shall be continuous up to the **underside of the rafter or truss top chord and terminated at penetrations** and building appendages in a manner to meet the requirements of the exterior wall envelope as described in Section R703.1.	L	L			**AMEND** **DELETE** this MN Amendmt		**6/17: CCP** to amend 24 IRC language by STAFF wil be submitted. **See line #17 green text** therefore this MN Amendmt is not needed
20 **START MTG #16**	TABLE R703.3(1)	TABLE R703.3(1)	TABLE R703.3(1)	SIDING MINIMUM ATTACHMENT AND MINIMUM THICKNESS	N	24 IRC added clarification to some of the fastener sizes in the table and footnotes.	L	L	A		A	Y	
21	R703.3.1	R703.3.1	R703.3.1	Siding clearance at wall and adjacent surfaces.	N	**21 IRC DELETED then Created:** ~~R703.3.1 Soffit installation.~~ ~~R703.3.1.1 Wood structural panel soffit.~~ ~~R703.3.1.2 Vinyl soffit panels.~~ R703.3.1 Soffit installation. Soffits shall comply with Section R704. **24 IRC DELETED then Created:** ~~R703.3.1 Soffit installation. Soffits shall comply with Section R704.~~ R703.3.1 Siding clearance at wall and adjacent surfaces. Unless otherwise specified by the cladding manufacturer or this code, polypropylene, insulated vinyl and vinyl claddings shall have clearance of not less than 6 inches (152 mm) from the ground and not less than 1/2 inch (13 mm) from other adjacent surfaces (decks, roofs, slabs).	L	L	A		A	Y	
22	R703.3.2	R703.3.2	R703.3.2	Wind limitations	N	24 IRC: R703.3.2 Wind limitations. Where the design wind pressure exceeds 30 psf or where the limits of Table R703.3.2 are exceeded, the attachment of wall coverings ~~and soffits~~ shall be designed to resist the component and cladding loads specified in Table R301.2.1(1) for walls, adjusted for height and exposure in accordance with Table R301.2.1(2). For the determination of wall covering ~~and soffit attachment,~~ component and cladding loads shall be determined using an effective wind area of 10 square feet (0.93 m2).	L	L	A		A	Y	

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23	TABLE R703.3.2	TABLE R703.3.2	TABLE R703.3.2	LIMITS FOR ATTACHMENT PER Table R703.3(1)	N	21 IRC Added ultimate wind speeds of 95 - 110 to the table	L	L	A	A	Y	
24	R703.3.3	R703.3.3	R703.3.3	Fasteners	N	24 IRC text changes: Exterior wall coverings ~~and roof overhang soffits~~ shall be securely	L	L	A	A	Y	
25	R703.3.4	R703.3.4	R703.3.4	Minimum fastener length and penetration.	N	24 IRC 3. Fasteners for vinyl siding and insulated vinyl siding shall be installed in accordance with Section R703.11 or R703.13. ~~over wood or wood structural panel sheathing shall penetrate not less than 11/4 inches (32 mm) into sheathing and framing combined. Vinyl siding and insulated vinyl siding shall be permitted to be installed with fasteners penetrating into or through wood or wood structural sheathing of minimum thickness as specified by the manufacturer's instructions or test report, with or without penetration into the framing. Where the fastener penetrates fully through the sheathing, the end of the fastener shall extend not less than 1/4 inch (6.4 mm) beyond the opposite face of the sheathing. Fasteners for vinyl siding and insulated vinyl siding installed over foam plastic sheathing shall be in accordance with Section R703.11.2. Fasteners for vinyl siding and insulated vinyl siding installed over fiberboard or gypsum sheathing shall penetrate not less than 11/4 inches (32 mm) into framing.~~ 4. Fasteners for polypropylene siding shall be installed in accordance with Section R703.14. ~~4~~ 5. Fasteners for vertical or horizontal wood siding shall penetrate not less than 11/2 inches (38 mm) into studs, studs and wood sheathing combined, or blocking. ~~5~~ 6. Fasteners for siding material installed over foam plastic sheathing shall have sufficient length to accommodate foam plastic sheathing thickness and to penetrate framing or sheathing and framing combined, as specified in Items 1 through 4 5.	L	L	A	A	Y	

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26	R703.4	R703.4	R703.4	Flashing	Y	21 & 24 IRC made the following changes: R703.4 Flashing. Approved corrosion-resistant flashing shall be applied ~~shingle-fashion~~ in a manner to prevent entry of water into the wall cavity or penetration of water to the building structural framing components. Overlapped flashing shall be applied in shingle fashion . Self-adhered membranes used as flashing shall comply with AAMA 711. Fluid-applied membranes used as flashing in exterior walls shall comply with AAMA 714. The flashing shall extend to the surface of the exterior wall finish. Flashing shall be installed above deck ledgers in accordance with Section R507.9.1.5. 1. Exterior window and door openings. Flashing ~~shall be installed~~ at ~~the head and sides of~~ exterior window and door openings shall be installed in accordance with Section R703.4.1. ~~and shall extend to the surface of the exterior wall finish or to the water-resistive barrier for subsequent drainage. Flashing at exterior window and door openings shall be installed in accordance with at least one of the following:~~ ~~1.1. The fenestration manufacturer's installation and flashing instructions. When flashing is not addressed in the fenestration manufacturer's instructions, it shall be installed in accordance with the flashing manufacturer's instructions.~~ ~~1.2. In accordance with the flashing design or method of a registered design professional.~~ ~~1.3. In accordance with other approved methods.~~	L	L	remove the MN amendments up to item 8. Accept model code language as written up that point.		AMEND	Y	**7/1: CCP** by Staff to REVISE current MN Amendment keeping items #8, 9 and renumbering them. Deleting any other MN language and Accepting the Model Code language as written. **See green text.**
27	continued	continued	continued		Y	2020 MN amended language: **8. Where exterior material meets in other than a vertical line.** **9. Where the lower portion of a sloped roof stops within the plane of an intersecting wall cladding in such a manner as to divert water away from the assembly in compliance with Section R903.2.1.** **10. At the intersection of the foundation and rim joist framing when the exterior wall covering does not lap the foundation insulation.**	L	L	DELETE MN amendment		**KEEP THIS PART OF THE MN AMEND** **7/15: CCP by Chris R. SUPPORTED by consensus 7/15**	Y **y**	SEE ABOVE **7/15: CCP by Chris R. STAFF to keep numbers 9 & 10 and renumber as 8 & 9 deleting all other 2020 MN Amd. Language and keeping 24 IRC language.** 7/15: SUPPORTED by Consensus

To be completed by Chair										To be completed by TAG members		
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28	R703.4.1	NA	NA	Pan flashing of windows and doors.	Y	2020 MN Amendment: **R703.4.1 Pan flashing of windows and doors. Pan flashing shall be installed in accordance with the fenestration manufacturer's installation and flashing instructions. Where flashing instructions or details are not provided, pan flashing shall be installed at the sill of exterior window and door openings. Pan flashing shall be sealed or sloped in such a manner as to direct water to the surface of the exterior wall finish or to the water-resistive barrier for subsequent drainage.** **Exceptions:** **1. Windows or doors installed in accordance with the manufacturer's installation instructions which include an alternate flashing method.** **2. Windows or doors in detached accessory structures.** **3. Skylights, bow or bay windows.** **4. Doors required to meet accessibility requirements that would prevent the installation of pan flashing.** **5. Repairs or replacement of existing windows and doors.** **6. When a method is provided by a registered design professional.**	L	L	DELETE MN amendment	**DELETE MN Amendment AAW**	Y	DELETE the MN Amend and Accept the model code language as written in the 24 IRC for this code section.
29		R703.4.1	R703.4.1	Flashing installation at exterior window and door openings.	N	21 IRC Created this new section: R703.4.1 Flashing installation at exterior window and door openings. Flashing at exterior window and door openings shall extend to the surface of the exterior wall finish or to a waterresistive barrier complying with Section R703.2 for subsequent drainage. Air sealing shall be installed around all window and door openings on the interior side of the rough opening gap. Mechanically attached flexible flashings shall comply with AAMA 712. Flashing at exterior window and door openings shall be installed in accordance with one or more of the following: 1. The fenestration manufacturer's installation and flashing instructions, or for applications not addressed in the fenestration manufacturer's instructions, in accordance with the flashing or water-resistive barrier manufacturer's instructions. Where flashing instructions or details are not provided, pan flashing shall be installed at the sill of exterior window and door openings. Pan flashing shall be sealed or sloped in such a manner as to direct water to the surface of the exterior wall finish or to the water-resistive barrier for subsequent drainage. Openings using pan flashing shall incorporate flashing or protection at the head and sides. 2. In accordance with the flashing design or method of a registered design professional . 3. In accordance with other approved methods.	L	L	Accept the model code as written.	A	Y	

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30	R703.6.1	R703.6.1	R703.6.1	Wood shakes and shingles. Application	N	24 IRC: R703.6.1 Application. Wood shakes or shingles shall be applied either single course or double course over nominal 1/2-inch (12.7 mm) wood-based sheathing or to furring strips over 1/2-inch (12.7 mm) nominal nonwood sheathing. A water-resistive barrier shall be provided in accordance with Section R703.2. ~~over all sheathing, with horizontal overlaps in the membrane of not less than 2 inches (51 mm) and vertical overlaps of not less than 6 inches (152 mm).....~~ ...When installing shakes or shingles over a nonpermeable water-resistive barrier , furring strips shall be placed first vertically over the water-resistive barrier and in addition, horizontal furring strips shall be fastened to the vertical furring strips prior to attaching the shakes or shingles to the horizontal furring strips. Alternatively, horizontal furring shall be gapped not less than 3/16 inch from the surface of the water-resistive barrier without the requirement for a vertical furring strip. Where installed over foam plastic insulating sheathing , furring attachments shall comply with Section R703.15, R703.16 or R703.17. The spacing.....	L	L	A		A	Y	
31	R703.6.3	R703.6.3	R703.6.3	Attachment.	N	24 IRC: The hot-dipped zinc-coated galvanizing shall be in compliance with ASTM A153 Class D or ASTM A641 Class 3S, 1.0 ounce per square foot. Alternatively, 16-gage stainless steel Type 304 or Type 316 staples	L	L	A		A	Y	
32	TABLE R703.6.3(1)	TABLE R703.6.3(1)	TABLE R703.6.3(1)	SINGLE-COURSE SIDEWALL FASTENERS	N	21 IRC reformatted the table combining columns and data.	L	L	A		A	Y	
33	TABLE R703.6.3(2)	TABLE R703.6.3(2)	TABLE R703.6.3(2)	DOUBLE-COURSE SIDEWALL FASTENERS	N	21 IRC reformatted the table combining columns and data.	L	L	A		A	Y	
34	R703.7	R703.7	R703.7	Exterior plaster (stucco).	Y	2020 MN Amendment removed the word "Stucco"	L	L	DELETE MN amendment Accept as written		DELETE MN Amendment AAW	Y	DELETE the MN Amend and Accept the model code language as written in the 24 IRC for this code section.
35	R703.7.1	R703.7.1	R703.7.1	LATH	Y	2020 MN Amendment: R703.7.1 Lath. All lath and lath attachments shall be of corrosion-resistant materials. Expanded metal or woven wire lath shall be attached with ~~1-1/2in.~~ 11-gage nails having a 7/16- inch (11.1 mm) head or ~~7/8 in~~ 16-gage staples, spaced at no more than 6 inches (152 mm) or as otherwise approved. **Nails or staples shall penetrate woodframing support members not less than 3/4 inch (19 mm).** **(MN deleted the exception)**	L	L	DELETE MN amendment		DELETE MN Amendment	Y	DELETE the MN Amend and Accept the model code language as written in the 24 IRC for this code section.

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36	R703.7.1	R703.7.1	R703.7.1	LATH	N	21 IRC: R703.7.1 Lath. Lath and lath attachments shall be of corrosion-resistant materials in accordance with ASTM C1063. Expanded metal, welded wire, or woven wire lath shall be attached to wood framing members or furring. Where the exterior plaster is serving as wall bracing in accordance with Table R602.10.4, the lath shall be attached directly to framing. The lath shall be attached with 11/2-inch-long (38 mm), 0.120-inch-diameter (3 mm), 11-gage nails having a 7/16-inch (11.1 mm) head, or 7/8-inch-long (22.2 mm), 16-gage staples, spaced not more than 7 inches (178 mm) on center along framing members or furring and not more than 24 inches (610 mm) on center between framing members or furring, or as otherwise approved . Additional fastening between wood framing members shall not be prohibited. Lath attachments to cold-formed steel framing or to masonry, stone, or concrete substrates shall be in accordance with ASTM C1063. Where lath is installed directly over foam sheathing, lath connections shall also be in accordance with Section R703.15, R703.16 or R703.17. Where lath is attached to furring installed over foam sheathing, the furring connections shall be in accordance with Section R703.15, R703.16 or R703.17. Exception: Lath is not required over masonry, cast-in-place concrete, precast concrete or stone substrates prepared in accordance with ASTM C1063.	L	L	A	A	Y	
37	R703.7.1.1	NA	NA	**Control joints and expansion joints.**	**Y**	2020 MN Amendment: **R703.7.1.1 Control joints and expansion joints. Provisions for the control of expansion shall be determined by the exterior plaster application designer. ASTM C1063 Sections 7.11.4 through 7.11.4.4 do not apply.**	L	L	renumber? DELETE?	**DELETE THE MN AMEND**	Y	DELETE the MN Amend and Accept the model code language as written in the 24 IRC for this code section.
38	NA	703.7.1.1	703.7.1.1	FURRING	N	21 IRC Created a new section: 703.7.1.1 Furring. Where provided, furring shall consist of wood furring strips not less than 1 inch by 2 inches (25 mm by 51 mm), minimum 3/4-inch (19 mm) metal channels, or self-furring lath, and shall be installed in accordance with ASTM C1063. Furring shall be spaced not greater than 24 inches (600 mm) on center and, where installed over wood or cold-formed steel framing, shall be fastened into framing members.	L	L	A	A	Y	
39	R703.7.2	R703.7.2	R703.7.2	PLASTER	**Y**	2020 MN AMENDMENT: R703.7.2 Plaster. Plastering with **portland** cement plaster….. ….**Plastering with portland cement** Plaster shall be not less than three coats…. …~~**The proportion of aggregate to cementitious materials shall be as set forth in Table R702.1(3).**~~	L	L	DELETE MN amendmt accept as written	DELETE THE MN AMEND ACCEPT THE MODEL CODE AS WRITTEN	Y	DELETE the MN Amend and Accept the model code language as written in the 24 IRC for this code section.
40	703.7.2.1	703.7.2.1	703.7.2.1	WEEP SCREEDS	**Y**	2020 Mwith ASTM C1063. The weep screed shall be placed ~~not less than~~ a minimum of 4 inches N AMEND:	L	L	DELETE MN AMEND accept the model code language as written	DELETE THE MN AMEND	Y	The MN Amendment is not needed.

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41	R703.7.3			Water-resistive barriers.	Y	2020 MN AMENDMENT: R703.7.3 Water-resistive barriers. Water-resistive barriers shall be installed as required in Section R703.2 and, where applied over wood-based sheathing, shall include two layers of **a water-resistive vapor-permeable barrier. Each layer shall meet both of the following requirements:** **1. A water resistance of not less than that of 60-minute Grade D paper; or a minimum hydrostatic head of 2331/32 inches (60.9 cm) when tested in accordance with hydrostatic pressure test method AATCC 127- 2008; or a minimum water transudation time of 60 minutes when tested in accordance with ASTM D779.** **2. A water vapor permeance of not less than that of No. 15 felt; or a minimum permeance rating of 8.5 gr/ h.ft.2 in Hg (US perm) (4.9 × 1010kg/Pa.s.m2) when tested in accordance with Procedure B of ASTM E96.** **Exception: One layer water-resistive barrier complying with R703.2 is permitted when a drainage space that allows bulk water to flow freely behind the cladding is provided.**	L	L	AMEND	**AMEND**	Y	KEEP the 1st sentence of the model code and keep the MN Amendment as written
42		R703.7.3	R703.7.3	Water-resistive barriers.	N	21 IRC : R703.7.3 Water-resistive barriers. Water-resistive barriers shall be installed as required in Section R703.2 and, ~~where applied over wood-based sheathing,~~ shall comply with Section R703.7.3.1 or R703.7.3.2. Exception: Sections R703.7.3.1 and R703.7.3.2 shall not apply to construction where accumulation, condensation or freezing of moisture will not damage the materials.	L	L	A	REJECT	Y	**SEE ABOVE**
43		R703.7.3.1	R703.7.3.1	Dry Climates	N	21 IRC Created this section: R703.7.3.1 Dry climates. In Dry (B) climate zones indicated in Figure N1101.7, waterresistive barriers shall comply with one of the following: 1. The water-resistive barrier shall be two layers of 10-minute Grade D paper or have a water resistance equal to or greater than two layers of a water-resistive barrier complying with ASTM E2556, Type I. The individual layers shall be installed independently such that each layer provides a separate continuous plane. Flashing installed in accordance with Section R703.4 and intended to drain to the waterresistive barrier shall be directed between the layers. 2. The water-resistive barrier shall be 60-minute Grade D paper or have a water resistance equal to or greater than one layer of a water-resistive barrier complying with ASTM E2556, Type II. The water-resistive barrier shall be separated from the stucco by a layer of foam plastic insulating sheathing, or other non-waterabsorbing layer, or a designed drainage space or means of drainage complying with Section R703.7.3.2. Flashing installed in accordance with Section 703.4 and intended to drain to the water-resistive barrier shall be directed to the exterior side of the water-resistive barrier.	L	L		REJECT	Y	Delete this model code section it does not apply to MN. SEE ABOVE

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44		R703.7.3.2	R703.7.3.2	Moist or marine climates.	N	21 IRC Created: R703.7.3.2 Moist or marine climates. In the Moist (A) or Marine (C) climate zones indicated in Figure N1101.7, water-resistive barriers shall comply with one of the following: 1. In addition to complying with Section R703.7.3.1, a space or drainage material not less than 3/16 inch (5 mm) in depth shall be added to the exterior side of the water-resistive barrier . 2. In addition to complying with Section R703.7.3.1, Item 2, drainage on the exterior of the water-resistive barrier shall have a drainage efficiency of not less than 90 percent, as measured in accordance with ASTM E2273 or Annex A2 of ASTM E2925.	L	L			REJECT	Y	Delete this model code section it does not apply to MN. SEE ABOVE
45	R703.7.4	R703.7.4	R703.7.4	Application	Y	2020 MN AMEND Exception: Applications installed in accordance with ASTM C926. The second coat is permitted to be applied as soon as the first coat has attained sufficient rigidity to receive the second coat.	L	L	DELETE MN AMEND		**DELETE THE MN AMEND**	Y	DELETE the MN Amendment and Accept the model code as written
46	R703.7.5	R703.7.5	R703.7.5	CURING	Y	2020 MN AMEND .....shall not be applied sooner than 48 hours after application of the first coat, except as required in Section R703.7.4.	L	L	DELETE MN AMEND		**DELETE THE MN AMEND**	Y	DELETE the MN Amendment and Accept the model code as written
47	R703.8.2.2	R703.8.2.2	R703.8.2.2	Support by ledger or roof construction.	N	24 IRC: R703.8.2.2 Support by ledger or roof construction. A steel angle shall be placed directly on top of the ledger or roof construction. The ledger or roof ~~supporting~~ construction ~~for~~ supporting the steel angle shall consist of not fewer than three 2-inch by 6-inch (51 mm × 152 mm) wood members for wood construction or three 550S162 cold-formed steel members for cold-formed steel light frame construction . ~~A~~ The wood member abutting the vertical wall stud construction shall be anchored with not fewer than three 5/8-inch.....Flashing and weep holes shall be located in the masonry veneer wythe in accordance with Figure R703.8.2.2(1) or R703.8.2.2(2).....The support for the masonry veneer shall be constructed in accordance with Figure R703.8.2.2(1) or R703.8.2.2(2). The maximum slope of ~~the roof construction~~ a steel angle installed without stops shall be 7:12. A steel angle installed ~~Roof construction~~ with a slopes greater than 7:12	L	L	A		A	Y	
48	FIGURE R703.8.2.2	FIGURE R703.8.2.2	FIGURE R703.8.2.2(1)	EXTERIOR MASONRY VENEER SUPPORT BY ROOF MEMBERS	N	24 IRC renumbered the Figure	L	L	A		A	Y	
49			FIGURE R703.8.2.2(2)	EXTERIOR MASONRY VENEER SUPPORT BY LEDGER	N	24 IRC Added this new Figure	L	L	A		A	Y	

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50	TABLE R703.8.3.1	TABLE R703.8.3.1	TABLE R703.8.3.1	ALLOWABLE SPANS FOR LINTELS SUPPORTING MASONRY VENEER	N	24 IRC Added some additional options for steel angles	L	L	A		A	Y	
51	TABLE R703.8.3.1	TABLE R703.8.3.1	TABLE R703.8.3.1	footnote d.	N	24 IRC: d. Use either ~~Either~~ steel angle or reinforced lintel ~~shall~~ to span opening.	L	L	A		A	Y	
52	R703.8.4	R703.8.4	R703.8.4	ACHORAGE	N	21 IRC: R703.8.4 Anchorage. Masonry veneer shall be anchored to the supporting wall studs with corrosion-resistant metal ties embedded in mortar or grout and extending into the veneer a minimum of 1 1/2 inches (38 mm), with not less than 5/8-inch (15.9 mm) mortar or grout cover to outside face. Masonry veneer shall conform to Table R703.8.4(1). Where the masonry veneer tie attachment is fastened to wood structural panel not less than 7/16 performance category through insulating sheathing not greater than 2 inches (51 mm) in thickness, see Table R703.8.4(2). Where Table R703.8.4(2) is used, attachment to the studs behind the sheathing is not required.	L	L	A		A	Y	
53		TABLE R703.8.4(1)	TABLE R703.8.4(1)	TIE ATTACHMENT AND AIRSPACE REQUIREMENTS	N	21 IRC: Created this new table	L	L	A		A	Y	
54	R703.11	R703.11	R703.11	VINYL SIDING	N	24 IRC: R703.11 Vinyl siding. Vinyl siding shall be certified and labeled as conforming to the requirements of ASTM D3679 by an approved ~~quality control~~ agency.	L	L	A		A	Y	
55	R703.11.1	R703.11.1	R703.11.1	INSTALLATION	N	24 IRC: R703.11.1 Installation. Vinyl siding , ~~soffit~~ insulated vinyl siding and compatible accessories shall be installed in accordance with the manufacturer's installation instructions.	L	L	A		A	Y	
56			R703.11.1.1	STARTER STRIP	N	24 IRC: R703.11.1.1 Starter strip. The first course of horizontal siding shall be secured using a starter strip as specified in the manufacturer's installation instructions. See Figure R703.11.1.1(1). Where the first course of siding has to be cut or trimmed, the bottom edge shall be secured with utility trim and snap locks as specified by the manufacturer's installation instructions.	L	L	A		A	Y	
57			FIGURE R703.11.1.1(1)	TYPICAL STARTER STRIPa	N	24 IRC Created this new figure and footnote: a. This figure illustrates typical installation details. See the manufacturer's installation instructions for actual installation details	L	L	A		A	Y	

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58			R703.11.1.2	UTILITY TRIM	N	24 IRC Created this new section: R703.11.1.2 Utility trim. Where horizontal siding has to be cut or trimmed below windows and at the top of walls, the top edge of the siding shall be secured with utility trim and snap locks or as specified by the manufacturer's installation instructions. See Figures R703.11.1.2(1) and R703.11.1.2(2).	L	L	A		A	Y	
59			FIGURE R703.11.1.2 (1)	TYPICAL SNAP LOCK AND UTILITY TRIMa	N	24 IRC Created this new figure and footnote: a. This figure illustrates typical installation details. See manufacturer's installation instructions for actual installation details	L	L	A		A	Y	
60			FIGURE R703.11.1.2 (2)	TYPICAL SNAP LOCK AND UTILITY TRIM UNDER WINDOWa	N	24 IRC Created this new figure and footnote: a. This figure illustrates typical installation details. See the manufacturer's installation instructions for actual installation details	L	L	A		A	Y	
61	R703.11.1.1	R703.11.1.1	R703.11.1.3	Fasteners	N	24 IRC: ~~R703.11.1.1~~ R703.11.1.3 Fasteners. Unless specified otherwise by the manufacturer's instructions, fasteners for vinyl siding shall be 0.120-inch (3 mm) shank diameter nails with a 0.313-inch (8 mm) head, ~~or~~ 16-gage staples with a 3/8-inch (9.5 mm) to 1/2-inch (12.7 mm) crown or in accordance with Table R703.3(1).	L	L	A		A	Y	
62	R703.11.1.2	R703.11.1.2	R703.11.1.4	PENETRATION DEPTH	N	24 IRC: ~~R703.11.1.2~~ R703.11.1.4 Penetration depth. Unless specified otherwise by the manufacturer's instructions or in accordance with Table R703.3(1), fasteners shall penetrate into building framing. The total penetration into sheathing, furring framing or other nailable substrate shall be a minimum 11/4 inches (32 mm). ~~Where specified by the manufacturer's instructions and supported by a test report, fasteners are permitted to penetrate into or fully through nailable sheathing or other nailable substrate of minimum thickness specified by the instructions or test report without penetrating into framing.~~ ~~Where the fastener penetrates fully through the sheathing, the end of the fastener shall extend a minimum of 1/4 inch (6.4 mm) beyond the opposite face of the sheathing or nailable substrate .~~	L	L	A		A	Y	
63	R703.11.1.3	R703.11.1.3	R703.11.1.5	SPACING	N	24 IRC: ~~R703.11.1.3~~ R703.11.1.5 Spacing. Unless specified otherwise by the manufacturer's instructions, the maximum spacing between fasteners shall be 16 inches (406 mm) for horizontal siding and 12 inches (305 mm) for vertical siding ~~both horizontally and vertically~~. Where specified by the manufacturer's instructions and supported by a test report, alternative fastener spacing such as 24 inches (610 mm) ~~greater fastener spacing~~ is permitted.	L	L	A		A	Y	

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64	R703.11.2	R703.11.2	R703.11.2	Installation over foam plastic sheathing.	N	21 IRC: R703.11.2 Installation over foam plastic sheathing. Where vinyl siding or insulated vinyl siding is installed over foam plastic sheathing, the vinyl siding shall comply with Section R703.11 and shall have a wind load design pressure rating in accordance with Table R703.11.2. Exceptions: 2. Where the vinyl siding manufacturer's product specifications provide an approved wind load design pressure rating for installation over foam plastic sheathing, use of this wind load design pressure rating shall be permitted and the siding shall be installed in accordance with the manufacturer's installation instructions .	L	L	A		A	Y	
65	TABLE R703.11.2	TABLE R703.11.2	TABLE R703.11.2	REQUIRED MINIMUM WIND LOAD DESIGN PRESSURE RATING FOR VINYL SIDING INSTALLED OVER FOAM PLASTIC SHEATHING ALONE	N	21 IRC Changed the table title and added additional wind speeds and revised the values and footnotes b. and d. ~~ADJUSTED MINIMUM DESIGN WIND PRESSURE REQUIREMENT FOR VINYL SIDING~~ REQUIRED MINIMUM WIND LOAD DESIGN PRESSURE RATING FOR VINYL SIDING INSTALLED OVER FOAM PLASTIC SHEATHING ALONE b. The table values are based on a maximum 30-foot mean roof height, and effective wind area of 10 square feet Wall Zone 5 (corner), and the ASD design component and cladding wind pressure from Table R301.2.1(1), adjusted for exposure in accordance with Table R301.2.1(2), multiplied by the following adjustment factors: 1.87 (Case 1) and 2.67 (Case 2). d. For the indicated wind speed condition and where foam sheathing is the only sheathing on the exterior of a frame wall with vinyl siding, the wall assembly shall be capable of resisting an impact without puncture at least equivalent to that of a wood frame wall with minimum 7/16-inch OSB sheathing as tested in accordance with ASTM E1886. The vinyl siding shall comply with an adjusted design wind pressure requirement in accordance with Note b, using an adjustment factor of 2.67.	L	L	A		A	Y	
66	R703.12	R703.12	R703.12	Adhered masonry veneer installation.	N	24 IRC: R703.12 Adhered masonry veneer installation. Adhered masonry veneer shall comply with the requirements of Section R703.7.3 and the requirements in Sections 13.1 ~~12.1~~ and 13.3 ~~12.3~~ of TMS 402. Adhered masonry veneer shall be installed in accordance with Section R703.7.1, Article 3.3D ~~3.3C~~ of TMS 602 or the manufacturer's instructions.	L	L	A		A	Y	
67	R703.13	R703.13	R703.13	Insulated vinyl siding.	N	24 IRC: ……ASTM D7793 by an approved ~~quality control~~ agency.	L	L	A		A	Y	
68	R703.13.1	R703.13.1	R703.13.1	Insulated vinyl siding and accessories.	N	24 IRC: Insulated vinyl siding and compatible accessories shall be installed in accordance with Sections R703.11.1 and R703.11.2 and the manufacturer's installation instructions.	L	L	A		A	Y	

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69	R703.14.1.1	R703.14.1.1	R703.14.1.1	INSTALLATION	N	24 IRC: Unless otherwise specified in the manufacturer's installation instructions, ~~P~~polypropylene siding shall be installed over and attached to wood structural panel sheathing with minimum thickness of 7/16 inch (11.1 mm), or other nailable substrate ~~composed of wood or wood-based material and fasteners having equivalent withdrawal resistance~~. Accessories shall be installed in accordance with the manufacturer's installation instructions.	L	L	A		A	Y	
70			R703.14.1.1.1	STARTER STRIP	N	24 IRC Created this new section: R703.14.1.1.1 Starter strip. Horizontal siding shall be installed with a starter strip at the initial course at any location. Where the installation of a starter strip is not possible, other approved equivalents shall be permitted.	L	L	A		A	Y	
71			R703.14.1.1.2	Under windows and top of walls.	N	24 IRC Created this new section: R703.14.1.1.2 Under windows and top of walls. Where the nail hem is removed, such as under windows and at the top of walls, nail slot punch or predrilled holes shall be constructed as shown in Figure R703.14.1.1.2 (1).	L	L	A		A	Y	
72			FIGURE R703.14.1.1.2 (1)	TYPICAL POLYPROPYLENE SIDING TRIM UNDER WINDOWS AND AT THE TOP OF WALLS	N	24 IRC Created this new Figure.	L	L	A		A	Y	
73	R703.14.1.2	R703.14.1.2	R703.14.1.2	Fastener requirements.	N	24 IRC: Unless otherwise specified in the ~~approved~~ manufacturer's installation instructions, nails shall be corrosion resistant, with a minimum 0.120-inch (3 mm) shank and minimum 0.313-inch (8 mm) head diameter. Nails shall be a minimum of 11/4 inches (32 mm) long or as necessary to penetrate sheathing or nailable substrate not less than 3/4 inch (19.1 mm). Where the nail fully penetrates the sheathing or nailable substrate , the end of the fastener shall extend not less than 1/4 inch (6.4 mm) beyond the opposite face of the sheathing or nailable substrate . ~~Staples are not permitted~~. Spacing of fasteners shall be installed in accordance with the manufacturer's installation instructions.	L	L	A		A	Y	

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74	TABLE R703.15.1	TABLE R703.15.1	TABLE R703.15.1	CLADDING MINIMUM FASTENING REQUIREMENTS FOR DIRECT ATTACHMENT OVER FOAM PLASTIC SHEATHING TO SUPPORT CLADDING WEIGHTa	N	21 IRC Reformatted the entire table and footnote b. changes b. ~~Nail fasteners shall comply with ASTM F1667, except nail length shall be permitted to exceed ASTM F1667 standard lengths.~~ The thickness of wood structural panels complying with the specific gravity requirement of Note a shall be permitted to be included in satisfying the minimum penetration into framing. For cladding connections to wood structural panels, refer to Table R703.3.3. For brick veneer tie connections to wood structural panels, refer to Table R703.8.4(2). 24 IRC made heading changes and footnotes d. e. f. CLADDING FASTENER MINIMUM PENETRATION INTO WOOD WALL FRAMINGb ~~THROUGH FOAM SHEATHINGb~~ ~~Wood framing (minimum~~ 11/4 inch ~~penetration)~~ d. Fastener vertical spacing is an average spacing associated with the following nail count per foot: 6-inch spacing is associated with two nails per foot, 8-inch spacing is associated with 1.5 nails per foot, and 12-inch spacing is associated with one nail per foot. ~~d~~ e. Foam sheathing shall have a minimum compressive strength of 15 psi in accordance with ASTM C578 or ASTM C1289. f. Cladding weight is the maximum weight of cladding materials in pounds per square foot of wall area. The 3 psf category typically applies to panel and lap siding materials; the 11 psf category typically applies to conventional three-coat stucco of 7/8-inch thickness; and 15 psf to 25 psf categories typically apply to adhered masonry veneers.	L	L	A		A	Y	
75	TABLE R703.15.2	TABLE R703.15.2	TABLE R703.15.2	FURRING MINIMUM FASTENING REQUIREMENTS FOR APPLICATION OVER FOAM PLASTIC SHEATHING TO SUPPORT CLADDING WEIGHTa,	N	21 IRC Reformatted the table and changed footnote c. c. ~~Where the required cladding fastener penetration into wood material exceeds 3/4 inch and is not more than 11/2 inches, a minimum 2 wood furring or an approved design shall be used.~~ The thickness of wood structural panels complying with the specific gravity requirements of Note a shall be permitted to be included in satisfying the minimum required penetration into framing. 24 IRC Added footnote g. g. Cladding weight is the maximum weight of cladding materials in pounds per square foot of wall area. The 3 psf category typically applies to panel and lap siding materials; the 11 psf category typically applies to conventional three-coat stucco of 7/8-inch thickness; and 15 psf to 25 psf categories typically apply to adhered masonry veneers.	L	L	A		A	Y	

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76	TABLE R703.16.1	TABLE R703.16.1	TABLE R703.16.1	CLADDING MINIMUM FASTENING REQUIREMENTS FOR DIRECT ATTACHMENT OVER FOAM PLASTIC SHEATHING TO SUPPORT CLADDING WEIGHTa,	N	21 & 24 IRC added a new footnote b. other footnotes were renumbered accordingly. b. Where cladding is attached to wood structural panel sheathing only, fastening requirements shall be in accordance with Table R703.3.3. For brick veneer tie connections to wood structural panels, refer to Table R703.8.4(2).	L	L	A		A	Y	
77			R703.18	Fiber-mat reinforced cementitious backer units.	N	24 IRC Created this new section: R703.18 Fiber-mat reinforced cementitious backer units. Fiber-mat reinforced cementitious backer units used on exterior walls as a substrate for the application of exterior finish materials shall comply with ASTM C1325. Installation shall be in accordance with the manufacturer's installation instructions. Backer units shall be installed using corrosion-resistant fasteners. Finish materials shall be installed in accordance with the manufacturer's instructions.	L	L	A		A	Y	
78		R704	R704	Exterior Soffits and Fascias	N	21 IRC Created this new section and 24 IRC added to it.	L	L	A		A	Y	
79		R704.1	R704.1	General wind limitations.	N	R704.1 General wind limitations. Where the design wind pressure is 30 pounds per square foot (1.44 kPa) or less, exterior soffits shall comply with Section R704.2. Where the design wind pressure exceeds 30 pounds per square foot (1.44 kPa), exterior soffits shall comply with Section R704.3. The design wind pressure on exterior soffits shall be determined using the component and cladding loads specified in Table R301.2.1(1) for walls using an effective wind area of 10 square feet (0.93 m2) and adjusted for height and exposure in accordance with Table R301.2.1(2).	L	L	A		A	Y	
80		R704.2	R704.2	Exterior soffit installation where the design wind pressure is 30 psf or less.	N	R704.2 Exterior soffit installation where the design wind pressure is 30 psf or less. Where the design wind pressure is 30 pounds per square foot (1.44 kPa) or less, exterior soffit soffit installation shall comply with Section R704.2.1, R704.2.2, R704.2.3 or R704.2.4. Soffit materials not addressed in Sections R704.2.1 through R704.2.4 shall be in accordance with the manufacturer's installation instructions.	L	L	A		A	Y	

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81		R704.2.1	R704.2.1	Vinyl and aluminum exterior soffit panels.	N	R704.2.1 Vinyl and aluminum exterior soffit panels. Vinyl and aluminum exterior soffit panels shall be installed using aluminum, galvanized, stainless steel or rust-preventative coated nails or staples or orther approved corrosion-resistant fasteners specified by the manufacturer and shall be fastened at both ends to a supporting component such as a nailing strip, fascia or subfascia component in accordance with Figure R704.2.1(1). Where the unsupported span of exterior soffit panels is greater than 16 inches (406 mm), intermediate nailing strips shall be provided in accordance with Figure R704.2.1(2). Vinyl and aluminum exterior soffit panels shall be installed in accordance with the manufacturer's installation instructions. Fascia covers shall be installed in accordance with the manufacturer's installation instructions.	L	L	A	A	Y	
82		FIGURE R704.2.1(1)	FIGURE R704.2.1(1)	TYPICAL SINGLE-SPAN VINYL AND ALUMINUM EXTERIOR SOFFIT PANEL SUPPORT	N	21 IRC Created this Figure 24 IRC added to the title	L	L	A	A	Y	
83		FIGURE R704.2.1(2)	FIGURE R704.2.1(2)	TYPICAL DOUBLE-SPAN VINYL AND ALUMINUM EXTERIOR SOFFIT PANEL SUPPORT	N	21 IRC Created this Figure 24 IRC added to the title	L	L	A	A	Y	
84		R704.2.2	R704.2.2	Fiber-cement exterior soffit panels.	N	R704.2.2 Fiber-cement exterior soffit panels. Fiber-cement exterior soffit panels shall be a minimum of 1/4 inch (6.4 mm) in thickness and shall comply with the requirements of ASTM C1186, Type A, minimum Grade II, or ISO 8336, Category A, minimum Class 2. Panel joints shall occur over framing or over wood structural panel sheathing. Exterior Ssoffit panels shall be installed with spans and fasteners in accordance with the manufacturer's installation instructions.	L	L	A	A	Y	
85		R704.2.3	R704.2.3	Hardboard exterior soffit panels.	N	R704.2.3 Hardboard exterior soffit panels. Hardboard exterior soffit panels shall be not less than 7/16 inch (11.11 mm) in thickness and shall be fastened to framing or nailing strips with 21/2-inch by 0.113-inch (64 mm by 2.9 mm) siding nails spaced not more than 6 inches (152 mm) on center at panel edges and 12 inches (305 mm) on center at intermediate supports.	L	L	A	A	Y	
86		R704.2.4	R704.2.4	Wood structural panel exterior soffit	N	R704.2.4 Wood structural panel exterior soffit. The minimum nominal thickness for wood structural panel exterior soffits shall be 3/8 inch (9.5 mm) and shall be fastened to framing or nailing strips with 2-inch by 0.099-inch (51 mm by 2.5 mm) nails. Fasteners shall be spaced not less than 6 inches (152 mm) on center at panel edges and 12 inches (305 mm) on center at intermediate supports.	L	L	A	A	Y	

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87		R704.3	R704.3	Exterior soffit installation where the design wind pressure exceeds 30 psf.	N	R704.3 Exterior Ssoffit installation where the design wind pressure exceeds 30 psf. Where the design wind pressure is greater than 30 psf, exterior soffit installation shall comply with Section R704.3.1, R704.3.2, R704.3.3 or R704.3.4. Exterior Ssoffit materials not addressed in Sections R704.3.1 through R704.3.4 shall be in accordance with the manufacturer's installation instructions.	L	L	A		A	Y	
88		R704.3.1	R704.3.1	Vinyl exterior soffit panels.	N	R704.3.1 Vinyl exterior soffit panels. Vinyl exterior soffit panels and their attachments shall be capable of resisting wind loads specified in Table R301.2.1(1) for walls using an effective wind area of 10 square feet (0.929 m2) and adjusted for height and exposure in accordance with Table R301.2.1(2) . Vinyl exterior soffit panels shall be installed using fasteners specified by the manufacturer and shall be fastened at both ends to a supporting component such as a nailing strip, fascia or subfascia component in accordance with Figure R704.2.1(1). Where the unsupported span of exterior soffit panels is greater than 12 inches (305 mm), intermediate nailing strips shall be provided in accordance with Figure R704.2.1(2). Vinyl exterior soffit panels shall be installed in accordance with the manufacturer's installation instructions. ~~Fascia covers shall be installed in accordance with the manufacturer's installation instructions.~~	L	L	A		A	Y	
89		R704.3.2	R704.3.2	Fiber-cement exterior soffit panels.	N	R704.3.2 Fiber-cement exterior soffit panels. Fiber-cement exterior soffit panels shall comply with Section R704.2.2 and shall be capable of resisting wind loads specified in Table R301.2.1(1) for walls using an effective wind area of 10 square feet (0.929 m2) and adjusted for height and exposure in accordance with Table R301.2.1(2).	L	L	A		A	Y	
90		R704.3.3	R704.3.3	Hardboard exterior soffit panels.	N	R704.3.3 Hardboard exterior soffit panels. Hardboard exterior soffit panels shall comply with the manufacturer's installation instructions and shall be capable of resisting wind loads specified in Table R301.2.1(1) for walls using an effective wind area of 10 square feet (0.929 m2) and adjusted for height and exposure in accordance with Table R301.2.1(2).	L	L	A		A	Y	
91		R704.3.4	R704.3.4	Wood structural panel exterior soffit.	N	R704.3.4 Wood structural panel exterior soffit. Wood structural panel exterior soffits shall be capable of resisting wind loads specified in Table R301.2.1(1) for walls using an effective wind area of 10 square feet (0.929 m2) and adjusted for height and exposure in accordance with Table R301.2.1(2). Alternatively, wood structural panel exterior soffits shall be installed in accordance with Table R704.3.4.	L	L	A		A	Y	

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92		TABLE R704.3.4	TABLE R704.3.4	PRESCRIPTIVE ALTERNATIVE FOR WOOD STRUCTURAL PANEL EXTERIOR SOFFIT	N	21 IRC Created this new Table and 24 IRC made some changes specifically to footnote e. e. Fastener spacing applies where wood ~~Wood structural panels shall be attached to~~ exterior soffit framing members ~~with~~ specific gravity ~~of at least~~ is 0.42 or larger. Where the specific gravity of exterior soffit framing members is greater than or equal to 0.35 but less than 0.42 in accordance with AWC NDS, the fastener spacing shall be multiplied by 0.67 or the same fastener spacing as prescribed for galvanized steel nails shall be permitted to be used where RSRS-01 (2-inch by 0.099-inch by 0.266-inch head) nails replace 6d box nails and RSRS-03 (21/2-inch × 0.131-inch × 0.281-inch head) nails replace 8d common nails or 10d box nails. RSRS is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.	L	L	A		A	Y	
93			R704.4	FASCIA	N	24 IRC Created this new section R704.4 FASCIA R704.4 Fascia. Fascia shall be installed in accordance with the manufacturer's installation instructions.	L	L	A		A	Y	
94			R704.4.1	ALUMINUM FASCIA	N	R704.4.1 Aluminum fascia. Aluminum fascia shall be installed in accordance with the manufacturer's installation instructions and comply with Section R704.4.1.1 or R704.4.1.2.	L	L	A		A	Y	
95			R704.4.1.1	Fascia installation where the design wind pressure is 30 psf or less.	N	R704.4.1.1 Fascia installation where the design wind pressure is 30 psf or less. Where the design wind pressure is 30 pounds per square foot (1.44 kPa) or less, aluminum fascia shall be a attached with one finish nail [11/4 inches by 0.57 inch by 0.177 inch head diameter (32 mm × 14.5 mm × 4.5 mm)] in the return leg spaced a maximum of 24 inches (610 mm) on center, and the fascia shall be inserted under the drip edge with at least 1 inch (305 mm) of fascia material covered by the drip edge. Where the fascia can not be inserted under the drip edge, the top edge of the fascia shall be secured using one finish nail [11/4 inches by 0.57 inch by 0.177 inch head diameter (32 mm × 14.5 mm × 4.5 mm)] located not more than 1 inch (25 mm) below the drip edge and spaced a maximum of 24 inches (610 mm) on center.	L	L	A		A	Y	
96			R704.4.1.2	Fascia installation where the design wind pressure exceeds 30 psf	N	R704.4.1.2 Fascia installation where the design wind pressure exceeds 30 psf. Where the design wind pressure is greater than 30 pounds per square foot (1.44 kPa), aluminum fascia shall be attached with one finish nail [11/4 inches by 0.57 inch by 0.177 inch head diameter (32 mm × 14.5 mm × 4.5 mm)] in the return leg spaced a maximum of 16 inches (406 mm) on center and one finish nail located not more than 1 inch (25 mm) below the drip edge spaced a maximum of 16 inches (406 mm) on center. As an alternative, the top edge of the fascia is permitted to be secured using utility trim installed beneath the drip edge with snap locks punched into the fascia spaced not more than 6 inches (152 mm) on center.	L	L	A		A	Y	

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97			SECTION R705	BIPV SYSTEMS FOR EXTERIOR WALL COVERINGS AND FENESTRATION	N	24 IRC Created this new section	L	L	A		A	Y	
98			R705.1	Listing Required	N	R705.1 Listing required. In addition to complying with other provisions of this code, buildingintegrated photovoltaic (BIPV) systems used as exterior wall coverings or fenestration shall be listed and labeled in accordance with UL 1703 or both UL 61730-1 and UL 61730-2.	L	L	A		A	Y	
1309 Ch. 8 - Roof Ceiling Const.													
1	R801.3	R801.3	R801.3	General	N	2020/2021/2024: In areas where expansive soils or collapsible soils are known to exist, all dwellings and townhouses shall have a controlled method of water disposal from roofs that will collect and discharge roof drainage to the ground surface not less than 5 feet (1524 mm) from foundation walls or to an approved drainage system.	L	L	A		A	Y	
2	R802.1.5	R802.1.5	N/A	Fire -retardant-treated wood: Deleted in 2024	N	~~2020~~/2021: Fire-retardant-treated wood (FRTW) is any wood product that, when impregnated with chemicals by a pressure process or other means during manufacture, shall have, when tested in accordance with ASTM E84 or UL 723, a listed flame spread index of 25 or less. In addition, the ASTM E84 or UL 723 ~~and does not show evidence of significant progressive combustion where the~~ test shall be ~~is~~ continued for an additional 20-minute period and ~~. In addition,~~ the flame front shall not progress more than 10.5 feet (3200 mm) beyond the center line of the burners at any time during the test.	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15
3	R802.1.5.1	R802.1.5.1	N/A	Pressure process: Deleted in 2024	N	2020/2021: For wood products impregnated with chemicals by a pressure process, the process shall be performed in closed vessels under pressures not less than 50 pounds per square inch gauge (psig) (344.7 kPa).	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15
4	R802.1.5.2	R802.1.5.2	N/A	Other means during manufacture: Deleted in 2024	N	2020/2021: For wood products impregnated with chemicals ~~produced~~ by other means during manufacture the treatment shall be an integral part of the manufacturing process of the wood product. The treatment shall provide permanent protection to all surfaces of the wood product. The use of paints, coating, stains, or other surface treatments is not an approved method of protection as required by this section.	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15

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5	R802.1.5.3	R802.1.5.3	N/A	Testing: Deleted in 2024	N	2020/2021: For fire-retardant-treated wood products, the front and back faces of the wood product ~~produced by other means during manufacture, other than a pressure process, all sides of the wood product~~ shall be tested in accordance with and produce the results required in Section R802.1.5. ~~Testing of only the front and back faces of wood structural panels shall be permitted.~~	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15
6	N/A	R802.1.5.3.1	N/A	Fire testing of wood structural panels: Deleted in 2024	N	2021: Wood structural panels shall be tested with a ripped or cut longitudinal gap of 1/8 inch (3.2 mm).	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15
7	R802.1.5.4	R802.1.5.4	N/A	Labeling: Deleted in 2024	N	2020/2021: In addition to the labels required by Section 802.1.1 for sawn lumber and Section 803.2.1 for wood structural panels, each piece of fire-retardant-treated lumber and wood structural panel shall be labeled. The label shall contain: 1. The identification mark of an approved agency in accordance with Section 1703.5 of the International Building Code. 2. Identification of the treating manufacturer. 3. The name of the fire-retardant treatment. 4. The species of wood treated. 5. Flame spread index and smoke-developed index. 6. Method of drying after treatment. 7. Conformance to applicable standards in accordance with Sections R802.1.5.5 through R802.1.5.10. 8. For FRTW exposed to weather, or a damp or wet location, the words “No increase in the listed classification when subjected to the Standard Rain Test” (ASTM D2898).	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15
8	R802.1.5.5	R802.1.5.5	N/A	Strength adjustments: Deleted in 2024	N	2020/2021: Design values for untreated lumber and wood structural panels as specified in Section R802.1 shall be adjusted for fire-retardant-treated wood. Adjustments to design values shall be based on an approved method of investigation that takes into consideration the effects of the anticipated temperature and humidity to which the fire-retardant-treated wood will be subjected, the type of treatment and redrying procedures.	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15
9	R802.1.5.6	R802.1.5.6	N/A	Wood structural panels: Deleted in 2024	N	2020/2021: The effect of treatment and the method of redrying after treatment, and exposure to high temperatures and high humidities on the flexure properties of fire-retardant-treated softwood plywood shall be determined in accordance with ASTM D5516. The test data developed by ASTM D5516 shall be used to develop adjustment factors, maximum loads and spans, or both for untreated plywood design values in accordance with ASTM D6305. Each manufacturer shall publish the allowable maximum loads and spans for service as floor and roof sheathing for their treatment.	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15

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10	R802.1.5.7	R802.1.5.7	N/A	Lumber: Deleted in 2024	N	2020/2021: For each species of wood treated, the effect of the treatment and the method of redrying after treatment and exposure to high temperatures and high humidities on the allowable design properties of fire-retardant-treated lumber shall be determined in accordance with ASTM D5664. The test data developed by ASTM D5664 shall be used to develop modification factors for use at or near room temperature and at elevated temperatures and humidity in accordance with ASTM D6841. Each manufacturer shall publish the modification factors for service at temperatures of not less than 80°F (27°C) and for roof framing. The roof framing modification factors shall take into consideration the climatological location.	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15
11	R802.1.5.8	R802.1.5.8	N/A	Exposure to weather: Deleted in 2024	N	2020/2021: Where fire-retardant-treated wood is exposed to weather or damp or wet locations, it shall be identified as “Exterior” to indicate there is not an increase in the listed flame spread index as defined in Section R802.1.5 when subjected to ASTM D2898.	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15
12	R802.1.5.9	R802.1.5.9	N/A	Interior applications: Deleted in 2024	N	2020/2021: Interior fire-retardant-treated wood shall have a moisture content of not over 28 percent when tested in accordance with ASTM D3201 procedures at 92-percent relative humidity. Interior fire-retardant-treated wood shall be tested in accordance with Section R802.1.5.6 or R802.1.5.7. Interior fire-retardant-treated wood designated as Type A shall be tested in accordance with the provisions of this section.	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15
13	R802.1.5.10	R802.1.5.10	N/A	Moisture content Deleted in 2024	N	2020/2021: Fire-retardant-treated wood shall be dried to a moisture content of 19 percent or less for lumber and 15 percent or less for wood structural panels before use. For wood kiln dried after treatment (KDAT) the kiln temperatures shall not exceed those used in kiln drying the lumber and plywood submitted for the tests described in Section R802.1.5.6 for plywood and R802.1.5.7 for lumber.	L	L	A		**ACCEPT THE 24 IRC DELETION**	Y	24 IRC deleted this section and moved these provisions to R302.15
14	R802.1.6	R802.1.6	R802.1.5	Cross-laminated timber	N	2024: Section renumbered	L	L	A		A	Y	
15	R802.1.7	R802.1.7	R802.1.6	Engineered wood rim board	N	2024: Section renumbered	L	L	A		A	Y	
16	R802.1.8	R802.1.8	R802.1.7	Prefabricated wood I-joists	N	2024: Section renumbered	L	L	A		A	Y	
17	R802.3	R802.3	R802.3	Ridge	N	2020/2021/2024: A ridge board used to connect opposing rafters shall be not less than 1 inch (25 mm) nominal thickness and not less in depth than the cut end of the rafter. Where ceiling joist or rafter ties do not provide continuous ties across the structure as required by Section R802.5.2, the ridge shall be supported by a wall or ridge beam designed in accordance with accepted engineering practice ans supported on each end by a wall or column. ~~a ridge beam shall be provided and supported on each end by a wall or girder.~~	L	L	A		A	Y	

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18	Tables R802.4.1(1) R802.4.1(2) R802.4.1(3) R802.4.1(4) R802.4.1(5) R802.4.1(6) R802.4.1(7) R802.4.1(8)	Tables R802.4.1(1) R802.4.1(2) R802.4.1(3) R802.4.1(4) R802.4.1(5) R802.4.1(6) R802.4.1(7) R802.4.1(8)	Tables R802.4.1(1) R802.4.1(2) R802.4.1(3) R802.4.1(4) R802.4.1(5) R802.4.1(6) R802.4.1(7) R802.4.1(8)	Rafter Spans	N	2020/2021/2024: ...Where ceiling joists or rafter ties are located higher in the attic space, the rafter spans shall be multiplied by the adjustment factors in Table R802.4.1(9). ~~following factors:~~ ~~HC/HRB~~ ~~After Span Adjustment Factor~~ ~~1/3~~ ~~0.67~~ ~~1/4~~ ~~0.76~~ ~~1/5~~ ~~0.83~~ ~~1/6~~ ~~0.90~~ ~~1/7.5 or less~~ ~~1.00~~	L	L	A		A	Y	
19	R802.4.2	R802.4.2	R802.4.2	Framing details	N	2020/2021/2024: Rafters shall be framed opposite from each other to a ridge board, shall not be offset more than 1 1/2 inches (38 mm) ~~offset~~ from each other and shall be connected with a collar tie or ridge strap in accordance with Section R802.4.6 ~~to a ridge board~~ or directly opposite from each other to a ~~with a collar tie,~~ gusset plate ~~or ridge strap~~ in accordance with Table R602.3(1). Rafters shall be nailed to the top wall plates in accordance with Table R602.3(1) unless the roof assembly is required to comply with the uplift requirements of Section R802.11.	L	L	A		A	Y	
20	R802.4.6	R802.4.6	R802.4.6	Collar ties	N	2020/2021/2024: Where collar ties are used to connect opposing rafters, they shall be located in the upper third of the attic space and fastened in accordance with Table R602.3(1). Collar ties shall be not less than 1 inch by 4 inches (25 mm × 102 mm) nominal, spaced not more than 4 feet (1220 mm) on center. Ridge straps shall be permitted to replace collar ties. Ridge straps shall be not less than 1 1/4-inch (32 mm) × 20 gage and shall be nailed to the top edge of each rafter with not fewer than three 10d common (3" × 0.148") nails with the closest nail not closer than 2 3/8 inches (60.3 mm) from the end of the rafter. ~~in accordance with Table R602.3(1) shall be permitted to replace collar ties.~~	L	L	A		A	Y	
21	R802.5	R802.5	R802.5	Ceiling joists	N	2020/2021/2024: Ceiling joists shall be continuous across the structure or securely joined where they meet over interior partitions in accordance with Section R802.5.2.1. ~~Table R802.5.2.~~ Ceiling joists shall be fastened to the top plate in accordance with Table R602.3(1).	L	L	A		A	Y	

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22	R802.5.2	R802.5.2	R802.5.2	Ceiling joist and rafter connections	N	2020/2021/2024: Where ceiling joists run parallel to rafters and are located in the bottom third of the rafter height, they shall be installed in accordance with Figure R802.4.5 and fastened to rafters in accordance with Table R802.5.2(1). Where the ceiling joists are installed above the bottom third of the rafter height, the ridge shall be designed as a beam in accordance with Section R802.3. Where ceiling joists do not run parallel to rafters, rafters shall be tied across the structure with a rafter tie in accordance with Section R802.5.2.2, or the ridge shall be designed as a beam in accordance with Section R802.3. ~~, they shall be connected to rafters at the top wall plate in accordance with Table R802.5.2. Where ceiling joists are not connected to the rafters at the top wall plate, they shall be installed in the bottom third of the rafter height in accordance with Figure R802.4.5 and Table R802.5.2. Where the ceiling joists are installed above the bottom third of the rafter height, the ridge shall be designed as a beam.Where ceiling joists do not run parallel to rafters, the ceiling joists shall be connected to top plates in accordance with Table R602.3(1). Each rafter shall be tied across the structure with a rafter tie or a 2-inch by 4-inch (51 mm × 102 mm) kicker connected to the ceiling diaphragm with nails equivalent in capacity to Table R802.5.2.~~	L	L	A		A	Y	
23	Table R802.5.2	Table R802.5.2(1)	Table R802.5.2(1)	Rafter/Ceiling Joist Heel Joint Connections	N	2020/2021/2024: (1) Tabled renumbered (2) Roof span (feet) changed from 12-20-28-36 to 12-24-36 (3) Rafter spacing (inches) changed from 12-16-24 to 12-16-19.2-24 (4) Required number of 16d common nails per per heel joint connection changed across the table.	L	L	A		A	Y	

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24	Table R802.5.2	Table R802.5.2(1)	Table R802.5.2(1)	Rafter/Ceiling Joist Heel Joint Connections	N	2020/2021/2024: Footnote changes For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa. a.40d box nails shall be permitted to be substituted for 16d common nails. b.Nailing requirements shall be permitted to be reduced 25 percent if nails are clinched. c.Heel joint connections are not required where the ridge is supported by a load-bearing wall, header or ridge beam. d.Where intermediate support of the rafter is provided by vertical struts or purlins to a load-bearing wall, the tabulated heel joint connection requirements shall be permitted to be reduced proportionally to the reduction in span. e.Equivalent nailing patterns are required for ceiling joist to ceiling joist lap splices. f.Applies to roof live load of 20 psf or less. g.Tabulated heel joint connection requirements assume that ceiling joists or rafter ties are located at the bottom of the attic space. Where ceiling joists or rafter ties are located higher in the attic, heel joint connection requirements shall be increased by the following factors: HC/HR Heel Joint Connection Adjustment Factor 1/3 1.5 1/4 1.33 1/5 1.25 1/6 1.2 1/10 or less 1.11 Where: HC = Height of ceiling joists or rafter ties measured vertically above the top of the rafter support walls. HR = Height of roof ridge measured vertically above the top of the rafter	L	L	A		A	Y	

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25	Table R802.5.2	Table R802.5.2(1)	Table R802.5.2(1)	Rafter/Ceiling Joist Heel Joint Connections	N	2020/2021/2024: Footnote changes For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa. a. 10d common (3" × 0.148") nails shall be permitted to be substituted for 16d common (31/2" × 0.162") nails where the required number of nails is taken as 1.2 times the required number of 16d common nails, rounded up to the next full nail. b. Heel joint connections are not required where the ridge is supported by a load-bearing wall, header or ridge beam. c. Where intermediate support of the rafter is provided by vertical struts or purlins to a load-bearing wall, the tabulated heel joint connection requirements shall be permitted to be reduced proportionally to the reduction in span. d. Equivalent nailing patterns are required for ceiling joist to ceiling joist lap splices. e. Applies to roof live load of 20 psf or less. f. Tabulated heel joint connection requirements assume that ceiling joists or rafter ties are located at the bottom of the attic space. Where ceiling joists or rafter ties are located higher in the attic, heel joint connection requirements shall be increased by the adjustment factors in Table 802.5.2(2). g. Tabulated requirements are based on 10 psf roof dead load in combination with the specified roof snow load and roof live load.	L	L	A		A	Y	
26 **END MTG # 16**	N/A	Table R802.5.2(2)	Table R802.5.2(2)	Heel Joint Connection Adjustment Factors	N	2021/2024: TABLE R802.5.2(2) Heel Joint Connection Adjustment Factors HC/HR a, b — Heel Joint Connection Adjustment Factors 1/3 1.5 1/4 1.33 1/5 1.25 1/6 1.2 1/10 or less 1.11 a. HC = Height of ceiling joists or rafter ties measured vertically from the top of the rafter support walls to the bottom of the ceiling joists or rafter ties; HR = Height of roof ridge measured vertically from the top of the rafter support walls to the bottom of the roof ridge. b. Where HC/HR exceeds 1/3, connections shall be designed in accordance with accepted engineering practice.	L	L	A		A	Y	

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27 START MTG #18	R802.5.2.1	R802.5.2.1	R802.5.2.1	Ceiling joists lapped	N	2020/2021/2024: Ends of ceiling joists shall be lapped not less than 3 inches (76 mm) or butted over bearing partitions or beams and toenailed to the bearing member. Where ceiling joists are used to provide the continuous tie across the building, ~~resistance to rafter thrust,~~ lapped joists shall be nailed together in accordance with Table R802.5.2(1) and butted joists shall be tied together with a connection of equivalent capacity. ~~in a manner to resist such thrust.~~ Laps in joists that do not provide the continuous tie across the building ~~Joists that do not resist thrust~~ shall be permitted to be nailed in accordance with Table R602.3(1). ~~Wood structural panel roof sheathing, in accordance with Table R503.2.1.1(1), shall not cantilever more than 9 inches (229 mm) beyond the gable endwall unless supported by gable overhang framing.~~	L	L	A		A	Y	
28	R802.5.2.2	R802.5.2.2	R802.5.2.2	Rafter ties	N	2020/2021/2024: Wood rafter ties shall be not less than 2 inches by 4 inches (51 mm × 102 mm) installed in accordance with Table R802.5.2(1) at a maximum of 24 inches (610 mm) on center. ~~each rafter.~~ Other approved rafter tie methods shall be permitted.	L	L	A		A	Y	
29	R802.6	R802.6	R802.6	Bearing	N	2020/2021/2024: The ends of each rafter or ceiling joist shall have not less than 11/2 inches (38 mm) of bearing on wood or metal and not less than 3 inches (76 mm) on masonry or concrete. The bearing on masonry or concrete shall be direct, or a sill plate of 2-inch (51 mm) minimum nominal thickness shall be provided under the rafter or ceiling joist. The sill plate shall provide a minimum nominal bearing area of 48 square inches (30 968 mm2). Where the roof pitch is greater than or equal to 3 units vertical in 12 units horizontal (25-percent slope), and ceiling joists or rafter ties are connected to rafters to provide a continuous tension tie in accordance with Section R802.5.2, vertical bearing of the top of the rafter against the ridge board shall satisfy this bearing requirement.	L	L	A		A	Y	
30	R802.10.2	R802.10.2	R802.10.2	Design	N	2020/2021/2024: The truss design drawings shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed in accordance with Section R106.1.	L	L	A		A	Y	

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31	R802.11	R802.11	R802.11	Roof tie-down - Roof tie uplift resistance	N	2020: Roof tie-down 2021/2024: Roof tie uplift resistance. Roof assemblies shall have uplift resistance in accordance with Sections R802.11.1 and R802.11.2. Exceptions: Rafters or trusses shall be permitted to be attached to their supporting wall assemblies in accordance with Table R602.3(1) where either of the following occur: 1. Where the specific gravity of the wood species used for wall framing is greater than or equal to 0.42 in accordance with AWC NDS and the uplift force per rafter or truss does not exceed 200 pounds (90.8 kg) as determined by Table R802.11. 2. Where the basic wind speed does not exceed 115 miles per hour (51.4 m/s), the wind exposure category is B, the roof pitch is 5 units vertical in 12 units horizontal (42-percent slope) or greater, the roof span is 32 feet (9754 mm) or less, and rafters and trusses are spaced not more than 24 inches (610 mm) on center.	L	L	A		A	Y	
32	R802.11.1	N/A	N/A	Uplift resistance	N	2020: ~~Roof assemblies shall have uplift resistance in accordance with Sections R802.11.1.1 and R802.11.1.2.~~ ~~Where the uplift force does not exceed 200 pounds (90.8 kg), rafters and trusses spaced not more than 24 inches (610 mm) on center shall be permitted to be attached to their supporting wall assemblies in accordance with Table R602.3(1). Where the basic wind speed does not exceed 115 mph, the wind exposure category is B, the roof pitch is 5:12 (42-percent slope) or greater, and the roof span is 32 feet (9754 mm) or less, rafters and trusses spaced not more than 24 inches (610 mm) on center shall be permitted to be attached to their supporting wall assemblies in accordance with Table R602.3(1).~~	L	L	A		A	Y	
33	R802.11.1.1	R802.11.1	R802.11.1	Truss uplift resistance	N	2020/2021/2024: Section renumbered. Trusses shall be attached to supporting wall assemblies by connections capable of resisting uplift forces as specified on the truss design drawings for the ultimate design wind speed as determined by Figure R301.2(2)~~(5)A~~ and listed in Table R301.2~~(1)~~ or as shown on the construction documents. Uplift forces shall be permitted to be determined as specified by Table R802.11, if applicable, or as determined by accepted engineering practice.	L	L	A		A	Y	
34	R802.11.1.2	R802.11.2	R802.11.2	Rafter uplift resistance	N	2020/2021/2024: Section renumbered.	L	L	A		A	Y	
35	N/A	R804.1.1.1	R804.1.1.1	Alternate applications	N	2021/2024: Cold-formed steel roof and ceiling framing for buildings exceeding the applicability limits of Section R804.1.1 is permitted to be designed and constructed in accordance with AISI S230, subject to the limits therein.	L	L	A		A	Y	

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36	R804.1.2	R804.1.2	R804.1.2	In-line framing	N	2020/2021/2024: Cold-formed steel roof framing constructed in accordance with Section R804 shall be located in line with the tolerances specified in AISI S240, Section B1.2.3. ~~load-bearing studs in accordance with Figure R804.1.2 and the tolerances specified as follows: 1.The maximum tolerance shall be 3/4 inch (19.1 mm) between the centerline of the horizontal framing member and the centerline of the vertical framing member. 2.Where the centerline of the horizontal framing member and bearing stiffener are located to one side of the centerline of the vertical framing member, the maximum tolerance shall be 1/8 inch (3.2 mm) between the web of the horizontal framing member and the edge of the vertical framing member.~~	L	L	A		A	Y	
37	Figure R804.1.2	N/A	N/A	In-line framing	N	2020/2021/2024: Figure R804.1.2 Deleted.	L	L	A		A	Y	
38	R804.2.1	R804.2.1	R804.2.1	Material	N	2020/2021/2024: Load-bearing, cold-formed steel framing members shall be cold formed to shape from structural quality sheet steel complying with the requirements of AISI S240, Section A3. ~~ASTM A1003, Structural Grades 33 Type H and 50 Type H.~~	L	L	A		A	Y	
39	R804.2.2	R804.2.2	R804.2.2	Corrosion protection	N	2020/2021/2024: Load-bearing, cold-formed steel framing shall have a protective ~~metallic~~ coating complying with AISI S240, Section A4. ~~ASTM A1003 and one of the following: 1.Not less than G 60 in accordance with ASTM A653. 2.Not less than AZ 50 in accordance with ASTM A792.~~	L	L	A		A	Y	
40	R804.2.3	R804.2.3	R804.2.3	Dimension, thickness and material grade	N	2020/2021/2024: Load-bearing, cold-formed steel roof framing members shall comply with AISI S230, Section A4.3 and material grade requirements as specified in AISI S230, Section A4.4. ~~Figure R804.2.3(1) and with the dimensional and thickness requirements specified in Table R804.2.3. Additionally, C-shaped sections shall have a minimum flange width of 1.625 inches (41 mm) and a maximum flange width of 2 inches (51 mm). The minimum lip size for C-shaped sections shall be 1/2 inch (12.7 mm). Tracks shall comply with Figure R804.2.3(2) and shall have a minimum flange width of 11/4 inches (32 mm). Minimum Grade 33 ksi steel shall be used wherever 33 mil and 43 mil thicknesses are specified. Minimum Grade 50 ksi steel shall be used wherever 54 and 68 mil thicknesses are specified.~~	L	L	A		A	Y	
41	Table R804.2.3	N/A	N/A	Load-Bearing Cold-Formed Steel Roof Framing Member Sizes and Thicknesses	N	2020/2021/2024: Table R804.2.3 Deleted.	L	L	A		A	Y	
42	Figure R804.2.3(1)	N/A	N/A	C-Shaped Section	N	2020/2021/2024: Figure R804.2.3(1) Deleted.	L	L	A		A	Y	

To be completed by Chair											To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
43	Figure R804.2.3(2)	N/A	N/A	Track Section	N	2020/2021/2024: Figure R804.2.3(2) Deleted.	L	L	A		A	Y	
44	R804.2.4	R804.2.4	R804.2.4	Identification	N	2020/2021/2024: Load-bearing, cold-formed steel framing members shall meet the product identification requirements of AISI S240, Section A5.5. ~~have a legible label, stencil, stamp or embossment with the following information as a minimum: 1.Manufacturer's identification. 2.Minimum base steel thickness in inches (mm). 3.Minimum coating designation. 4.Minimum yield strength, in kips per square inch (ksi) (MPa).~~	L	L	A		A	Y	
45	R804.2.6	R804.2.6	R804.2.6	Web holes, web reinforcing and web hole patching	N	2020/2021/2024: Web holes in roof or ceiling joists shall comply with the conditions as prescribed in AISI S230, Section A4.5. Web holes not in conformance to the conditions of AISI S230, Section A4.5 shall be reinforced in accordance with the provisions of AISI S230, Section A4.6 or patched in accordance with the provisions of AISI S230, Section A4.7. ~~, web hole reinforcing and web hole patching shall be in accordance with this section.~~	L	L	A		A	Y	
46	R804.2.6.1	N/A	N/A	Web holes	N	2020/2021/2024: Section deleted.	L	L	A		A	Y	
47	R804.2.6.2	N/A	N/A	Web hole reinforcing	N	2020/2021/2024: Section deleted.	L	L	A		A	Y	
48	R804.2.6.3	N/A	N/A	Hole patching	N	2020/2021/2024: Section deleted.	L	L	A		A	Y	
49	Figure R804.2.6.1	N/A	N/A	Roof Framing Member Web Holes	N	2020/2021/2024: Figure deleted.					A	Y	
50	Figure R804.2.6.3	N/A	N/A	Roof Framing Member Web Hole Patch	N	2020/2021/2024: Figure deleted.	L	L	A		A	Y	
51	Table R804.3	Table R804.3	Table R804.3	Roof Framing Fastening Schedule	N	2020/2021/2024: 1- Gypsum board to ceiling joists added. 2- Rafter to ridge connection added. 3- Ultimate design wind speed and exposure category values updated. 4- Number of fasterners updated for ceiling joist or roof truss connection to top track of bearing wall.	L	L	A		A	Y	
52	Table R804.3.2.1(2)	Table R804.3.2.1(2)	Table R804.3.2.1(2)	Ultimate Design Wind Speed to Equivalent Snow Load Conversion	N	2020/2021/2024: Equivalent ground snow load values updated.	L	L	A		A	Y	
53	R804.3.2.1.2	R804.3.2.1.2	R804.3.2.1.2	Rake Overhangs	N	2020/2021/2024: Rake overhangs shall not exceed the limitations provided for Option 1 or 2 in Figure R804.3.2.1.2. ~~12 inches (305 mm) measured horizontally.~~ Outlookers at gable endwalls shall be installed in accordance with Figure R804.3.2.1.2. The required strength for uplift connectors required for Option 1 shall be determined in accordance with AISI S230, Table F3-4.	L	L	A		A	Y	

To be completed by Chair											To be completed by TAG members		
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54	Figure R804.3.2.1.2	Figure R804.3.2.1.2	Figure R804.3.2.1.2	Gable Endwall Overhang Details	N	2020/2021/2024: Option #1: Fasteners updated for wall connection. Option #2: Outlooker length reduced from 1' to 9".	L	L	A		A	Y	
55	R804.3.2.5	R804.3.2.5	R804.3.2.5	Roof rafter bottom flange bracing	N	2020/2021/2024: The bottom flanges of roof rafters shall be continuously braced, at a maximum spacing of 4 ~~8~~ feet (2440 mm) as measured parallel to the roof rafters, with one of the following members:…	L	L	A		A	Y	
56	R804.3.6	R804.3.6	R804.3.6	Roof trusses	N	2020/2021/2024: Cold-formed steel trusses shall be designed and installed in accordance with AISI S230, Section F6. ~~S240.~~ In the absence of specific bracing requirements, trusses shall be braced in accordance with accepted industry practices, such as the SBCA Cold-Formed Steel Building Component Safety Information (CFSBCSI) Guide to Good Practice for Handling, Installing & Bracing of Cold-Formed Steel Trusses. Trusses shall be connected to the top track of the load-bearing wall in accordance with Table R804.3, either with the required number of ~~two~~ No. 10 screws applied through the flange of the truss or by using a 54-mil (1.37 mm) clip angle with the required number of ~~two~~ No. 10 screws in each leg.	L	L	A		A	Y	
57	R805.1	R805.1	R805.1	Ceiling installation	N	2020/2021/2024: Ceilings shall be installed in accordance with the requirements for interior wall finishes as provided in Sections R702.1 through R702.6. ~~R702.~~	L	L	A		A	Y	
58	R806.5.2.8	R806.5.2.8	R806.5.2.8	Unvented attic and unvented enclosed rafter assemblies	N	2020/2021/2024: Where only air-permeable insulation is used, it shall be installed directly below the structural roof sheathing, on top of the attic floor, or on top of the ceiling.	L	L	A		A	Y	
59	R806.5.2.9	R806.5.2.9	R806.5.2.9	Unvented attic and unvented enclosed rafter assemblies	N	2020/2021/2024: Air-impermeable insulation, where used in conjunction with air-permeable insulation, ~~if any,~~ shall be directly above or below the structural roof sheathing and is not required to meet the R-value in Table R806.5. Where directly below the structural roof sheathing, there shall be no space between the air-impermeable insulation and air-permeable insulation.	L	L	A		A	Y	
60	R806.5.2.10	R806.5.2.10	R806.5.2.10	Unvented attic and unvented enclosed rafter assemblies	N	2020/2021/2024: Where air-impermeable insulation is used and is installed directly below the roof structural sheathing, ~~The~~ air shall be supplied at a flow rate greater than or equal to 50 CFM (23.6 L/s) per 1,000 square feet (93 m2) of ceiling. The air shall be supplied from ductwork providing supply air to the occupiable space when the conditioning system is operating. Alternatively, the air shall be supplied by a supply fan when the conditioning system is operating. Exceptions: 1. Where both air-impermeable and air-permeable insulation are used, and the R-value in Table 806.5 is met, air supply to the attic is not required. 2. Where only air-permeable insulation is used and is installed on top of the attic floor, or on top of the ceiling, air supply to the attic is not required.	L	L	A		A	Y	

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments	Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
61	R807.1	R807.1	R807.1	Attic access	Y	2020/2021/2024: Buildings with attics ~~combustible ceiling or roof construction~~ shall have an attic access opening to attic areas that have a vertical height of 30 inches (762 mm) or greater over an area of not less than 30 square feet (2.8 m2). ~~exceed 30 square feet (2.8 m2) and have a vertical height of 30 inches (762 mm) or greater.~~ The vertical height shall be measured from the top of the ceiling framing members to the underside of the roof framing members. The rough-framed opening shall be not less than 22 inches by 30 inches (559 mm by 762 mm) and shall be located in a hallway or other location with ready access. ~~readily accessible location.~~ Where located in a wall, the opening shall be not less than 22 inches wide by 30 inches high (559 mm wide by 762 mm high). Where the access is located in a ceiling, ~~minimum~~ unobstructed headroom in the attic space above the access shall be not less than 30 inches (762 mm) along one side or more measured vertically from the bottom of ceiling framing members. ~~at some point above the access measured vertically from the bottom of ceiling framing members.~~ See Section M1305.1.2 for access requirements where mechanical equipment is located in attics. See Minnesota Rules, Chapter 1346, the Minnesota Mechanical Code, for access requirements where mechanical equipment is located in attics.	L	L	Delete/repeal the MN amendment		Delete/repeal the MN amendment	Y	Consensus was the the MN amendment is no longer needed and to Accept the 24 IRC model code language as written
1309 Ch. 9 - Roof Assemblies												

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
1	R902.1	R902.1	R902.1	Roof assemblies	N	24 IRC: R902.1 Roof assemblies ~~covering materials~~. ~~Roofs~~ Roof decks shall be covered with materials as set forth in ~~Sections R904 and 905~~Section R904 or with roof coverings as set forth in Section R905. Class A, B or C roof assemblies ~~roofing~~ shall be installed in jurisdictions designated by law as requiring their use or where the edge of the roof deck is less than 3 feet (914 mm) from a lot line . Where Class A, B or C roof assemblies are required, they shall be tested in accordance with ASTM E108 or UL 790. Where required, the roof assembly shall be listed and identified as to class by an approved testing agency. ~~Class A, B and C roofing required by this section to be listed shall be tested in accordance with ASTM E108 or UL 790.~~ Exceptions: 1. Class A roof assemblies include those with coverings of brick, masonry and exposed concrete roof deck . 2. Class A roof assemblies include ferrous or copper shingles or sheets, metal sheets and shingles, clay or concrete roof tile, or slate installed on noncombustible roof decks. 3. Class A roof assemblies include minimum 16 ounces per square foot (4.882 kg/m2) copper sheets installed over combustible roof decks. 4. Class A roof assemblies include slate installed over underlayment over combustible roof decks.	L	L	A		A	Y	
2	R902.2	R902.2	R902.2	Fire-retardant-treated shingles and shakes.	N	24 IRC: ……the treating company and an ~~quality control~~ approved agency.	L	L	A		A	Y	
3	R902.3	R902.3	R902.3	Building-integrated photovoltaic	N	**21** & **24** IRC: R902.3 Building-integrated photovoltaic (BIPV) ~~product~~ systems. Building-integrated photovoltaic (BIPV) ~~products~~ systems installed as the roof covering shall be tested, listed and labeled for fire classification in accordance with UL 7103. Class A, B or C BIPV products shall be installed where the edge of the roof is less than 3 feet (914 mm) from a lot line .	L	L	A		A	Y	
4	R902.4	R902.4	R902.4	Rooftop-mounted photovoltaic panel systems.	N	**21 IRC:** ….listed and identified with a fire classification in accordance with UL 2703. Class A, B or C photovoltaic panel systems and modules…..	L	L	A		A	Y	

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5	R903.2.1	R903.2.1	R903.2.1	LOCATIONS	Y	**2020 MN AMEND:** R903.2.1 Locations. Flashings shall be installed at wall and roof intersections, wherever there is a change in roof slope or direction and around roof openings. A **kick-out** flashing shall be installed to divert the water away from where the eave of a sloped roof intersects a vertical sidewall. **The kick-out flashing on the roof shall be a minimum of 21/2 inches (63.5 mm) long.** Where flashing is of metal, the metal shall be corrosion-resistant with a thickness of not less than 0.019 inch (0.5 mm) (No. 26 galvanized sheet).	L	L	AMEND		AMEND	Y	Consensus was to continue the MN amendment
6	R903.2.1.1			Existing buildings and structures	Y	2020 MN AMEND: R903.2.1.1 Existing buildings and structures. Kickout flashings shall be required in accordance with Section R903.2.1 when re-siding or simultaneously re-siding and re-roofing existing buildings and structures. Exception: Kick-out flashings are not required when only re-roofing existing buildings and structures.	L	L	AMEND		AMEND	Y	Consensus was to continue the MN amendment
7	R905.1.1	R905.1.1	R905.1.1	Underlayment	N	24 IRC: R905.1.1 Underlayment. Underlayment in accordance with this section is required for asphalt shingles, clay and concrete tile, metal roof shingles , mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles, wood shakes, metal roof panels and ~~photovoltaic shingles~~ building-integrated photovoltaic (BIPV) roof coverings shall conform to the applicable standards listed in this chapter. Underlayment materials required to comply with ASTM D226; D1970; D2626; D4869; D6380, Class M; ~~and~~ D6757; or D8257 shall bear a label indicating compliance to the standard designation and, if applicable, type classification indicated in Table R905.1.1(1). Underlayment shall be applied in accordance with Table R905.1.1(2). Underlayment shall be ~~attached~~ fastened in accordance with Table R905.1.1(3). Exception: Structural metal panels that do not require a substrate or underlayment. ~~Exceptions:~~ ~~1. As an alternative, self-adhering polymer-modified bitumen underlayment bearing a label indicating compliance with ASTM D1970 and installed in accordance with both the underlayment manufacturer's and roof covering manufacturer's instructions for the deck material, roof ventilation configuration and climate exposure for the roof covering to be installed, shall be permitted.~~ ~~2. As an alternative, a minimum 4-inch-wide (102-mm) strip of self-adhering polymermodified bitumen membrane bearing a label indicating compliance with ASTM D1970, installed in accordance with the manufacturer's installation instructions for the deck material, shall be applied over all joints in the roof decking. An approved underlayment complying with Table R905.1.1(1) for the applicable roof covering~~	L	L	A		A	Y	

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8	TABLE R905.1.1(1)	TABLE R905.1.1(1)	TABLE R905.1.1(1)	Underlayment TYPES	N	21 & 24 IRC: 'WIND DESIGN' columns have text changes refering to figures rather than equations. Additions for many ASTM references Rows added for 'Clay and Concrete Tile' and 'Photovoltaic shingles' Row title changes: Wood shakes on solid sheathing; Metal panels on solid sheathing; ~~Photovoltaic shingles~~ BIPV roof coverings	L	L	A		A	Y	
9	TABLE R905.1.1(2)	TABLE R905.1.1(2)	TABLE R905.1.1(2)	Underlayment APPLICATION	N	21 IRC: Changed column headings from equations to reference figure R301.2.1.1 24 IRC: In columns 3 & 4 they Deleted previous language and added all new language.	L	L	A		A	Y	
10	TABLE R905.1.1(3)	TABLE R905.1.1(3)	TABLE R905.1.1(3)	Underlayment Attachment	N	21 IRC: Changed column headings from equations to reference figure R301.2.1.1 24 IRC: BIPV roof covering ~~Photovoltaic~~ Column 4 changes: ~~The~~ Mechnically fastened underlayment shall be ~~attached~~ fastened with corrosion-resistant fasteners in a grid pattern of 12 inches between side laps with a 6-inch spacing at side and end laps. Underlayment shall be attached using annular ring or deformed shank nails with 1-inch-diameter metal or plastic caps. Metal caps shall have a thickness of not less than 32-gage sheet metal. Power-driven metal caps shall have a minimum thickness of 0.010 inch. Minimum thickness of the outside edge of plastic caps shall be 0.035 inch. The cap nail shank shall be not less than 0.083 inch. The cap nail shank shall have a length sufficient to penetrate through the roof sheathing or not less than 3/4 inch into the roof sheathing. Self-adhering polymer modified bitumen underlayment shall be installed in accordance with the underlayment and roof covering manufacturers' installation instructions for the deck material, roof ventilation configuration, and climate exposure of the roof covering.	L	L	A		A	Y	

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11	Continued	Continued	Continued	Underlayment Attachment Cont.	N	Column 4 changes *Continued* : ~~The~~ Mechnically fastened underlayment shall be ~~attached~~ fastened with corrosion-resistant fasteners in a grid pattern of 12 inches between side laps with a 6-inch spacing at side and end laps. Underlayment shall be attached using annular ring or deformed shank nails with 1-inch-diameter metal or plastic caps. Metal caps shall have a thickness of not less than 32-gage sheet metal. Power-driven metal caps shall have a minimum thickness of 0.010 inch. Minimum thickness of the outside edge of plastic caps shall be 0.035 inch. The cap nail shank shall be not less than 0.083 inch. The cap nail shank shall have a length sufficient to penetrate through the roof sheathing or not less than 3/4 inch into the roof sheathing. Self-adhering polymer modified bitumen underlayment shall be installed in accordance with the underlayment and roof covering manufacturers' installation instructions for the deck material, roof ventilation configuration and climate exposure of the roof covering. **Exception: Self-adhering polymer modified bitumen underlayment shall not be installed under wood shakes or wood shingles.**	L	L	A		A	Y	
12	R905.2.1	R905.2.1	R905.2.1	Sheathing requirements.	N	24 IRC: R905.2.1 Sheathing requirements. Asphalt shingles shall be fastened to wood structural panels or solid lumber sheathing. ~~solidly sheathed decks.~~	L	L	A		A	Y	
13	R905.2.8.2	R905.2.8.2	R905.2.8.2	Valleys	N	24 IRC: 3. For closed valleys (valley covered with shingles), valley lining of one ply of smooth roll roofing complying with ASTM D6380 and not less than 36 inches wide (914 mm) or valley lining as described in Item 1 or 2 shall be permitted. Self-adhering polymer-modified bitumen underlayment complying with ASTM D1970 and not less than 36 inches (914 mm) wide shall be permitted in lieu of the lining material.	L	L	A		A	Y	
14	R905.2.8.4	R905.2.8.4	R905.2.8.4	Other Flashing	N	24 IRC R905.2.8.4 Other flashing. Flashing against a vertical front wall, as well as soil stack, vent pipe and chimney flashing, shall be applied in accordance with the asphalt shingle manufacturer's ~~printed~~ instructions.	L	L	A		A	Y	
15	R905.2.8.5	R905.2.8.5	R905.2.8.5	Drip Edge	**Y**	2020 MN Amendment deletes this provision in it's entirety	L	L	Amend??		REPEAL the deletion	Y	The consensus was to repeal the MN amendment that deleted this provision and accept the 24 IRC model code language as written.

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Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
16	R905.3.1	R905.3.1	R905.3.1	Clay and concrete tile.~~Deck~~ Sheathing requirements.	N	21 &24 IRC: R905.3.1 ~~Deck~~ Sheathing requirements. Concrete and clay tile shall be installed ~~only~~ over ~~solid sheathing~~ wood structural panels or solid lumber sheathing. **Exception:** Spaced lumber sheathing in accordance with Section R803.1 shall be permitted in Seismic Design Categories A, B and C.	L	L	A		A	Y	
17	R905.3.2	R905.3.2	R905.3.2	SLOPE	N	24 IRC R905.3.2 ~~Deck slope~~ Slope.	L	L	A		A	Y	
18	R905.3.6	R905.3.6	R905.3.6	Wind resistance of concrete and clay tile.	N	24 IRC Created this new section: R905.3.6 Wind resistance of concrete and clay tile. In regions where wind design is required in accordance with Figure R301.2.1.1, wind loads on concrete and clay tile shall be determined in accordance with Section 1504.3 of the International Building Code. In regions where wind design is not required in accordance with Figure R301.2.1.1, concrete and clay tiles shall be attached in accordance with Sections R905.3.8 and R905.3.9.	L	L	A		A	Y	
19	R905.3.6 thru R905.3.8	same	**R905.3.7 thru R905.3.9**	concrete and clay tile.	N	24 IRC Renumbered these sections due to the creation of R905.3.6	L	L	A		A	Y	
20	Table R905.3.7	same	**Table R905.3.8**	concrete and clay tile.	N	24 IRC Renumbered this table due to the creation of R905.3.6	L	L	A		A	Y	
21	R905.4.1	R905.4.1	R905.4.1	Metal roof shingles Sheathing requirements.	N	24 IRC: R905.4.1 ~~Deck~~ Sheathing requirements. Metal roof shingles shall be fastened to wood structural panels , solid lumber sheathing or closely fitted lumber sheathing ~~applied to a solid or closely fitted deck~~, except where the roof covering is specifically designed to be applied to spaced lumber sheathing.	L	L	A		A	Y	
22	R905.4.2	R905.4.2	R905.4.2	SLOPE	N	24 IRC: R905.4.2 ~~Deck slope~~ Slope.	L	L	A		A	Y	
23		R905.4.4.1	R905.4.4.1	Wind resistance of metal roof shingles.	N	21 & 24 IRC Created this new section: R905.4.4.1 Wind resistance of metal roof shingles. Metal roof shingles fastened to wood structural panels , solid lumber sheathing or closely fitted lumber sheathing shall be tested in accordance with ASTM D3161, FM 4474, UL 580 or UL 1897. Metal roof shingles tested in accordance with ASTM D3161 shall meet the classification requirements of Table R905.4.4.1 for the appropriate maximum basic wind speed and the metal shingle packaging shall bear a label to indicate compliance with ASTM D3161 and the required classification in Table R905.2.4.1.	L	L	A		A	Y	
24		TABLE R905.4.4.1	TABLE R905.4.4.1	Classification of Steep Slope Metal Roof Shingles	N	21 IRC Created this new table	L	L	A		A	Y	

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
25	R905.5.1	R905.5.1	R905.5.1	Mineral-surfaced roll roofing: Sheathing requirements.	N	24 IRC: R905.5.1 ~~Deck~~ Sheathing requirements. Mineral-surfaced roll roofing shall be fastened to wood structural panels or solid lumber sheathing ~~solidly sheathed roofs~~.	L	L	A		A	Y	
26	R905.5.2	R905.5.2	R905.5.2	SLOPE		24 IRC: R905.5.2 ~~Deck slope~~ Slope.					A	Y	
27			R905.5.6	Wind resistance of mineral-surfaced roll roofing.	N	24 IRC Created this new section: R905.5.6 Wind resistance of mineral-surfaced roll roofing. Mineral-surfaced roll roofing shall be installed to resist the component and cladding loads specified in Table R301.2.1(1), adjusted for height and exposure in accordance with Table R301.2.1(2).	L	L	A		A	Y	
28	R905.6.1	R905.6.1	R905.6.1	Slate Shingles: Sheathing Requirements	N	24 IRC: R905.6.1 ~~Deck~~ Sheathing requirements. Slate shingles shall be fastened to wood structural panels or solid lumber sheathing ~~solidly sheathed roofs.~~	L	L	A		A	Y	
29	R905.6.2	R905.6.2	R905.6.2	SLOPE	N	24 IRC: R905.6.2 ~~Deck slope~~ Slope.	L	L	A		A	Y	
30	R905.6.5	R905.6.5	R905.6.5	Wind resistance of slate shingles.	N	24 IRC Created this new section: R905.6.5 Wind resistance of slate shingles. Slate shingles shall be tested in accordance with ASTM D3161. Slate shingle packaging shall bear a label indicating compliance with ASTM D3161 and the required classification in Table R905.6.5.	L	L	A		A	Y	
31			TABLE R905.6.5	Classification of Slate Shingles	N	24 IRC Created this new table	L	L	A		A	Y	
32	R905.6.5 thru R905.6.6	R905.6.5 thru R905.6.6	R905.6.6 thru R905.6.7	Slate Shingles:	N	24 IRC Renumbered these sections and TABLE R905.6.6 due to the creation of R905.6.5	L	L	A		A	Y	
33	R905.7.1	R905.7.1	R905.7.1	Wood Shingles: Sheathing requiremnets	N	24 IRC: R905.7.1 ~~Deck~~ Sheathing requirements. Wood shingles shall be fastened to wood structural panels , solid lumber sheathing or spaced lumber sheathing ~~installed on solid or spaced sheathing~~. Where spaced lumber sheathing is used, sheathing boards shall be not less than 1-inch by 4-inch (25 mm by 102 mm) nominal dimensions and shall be spaced on centers equal to the weather exposure to coincide with the placement of fasteners. Where 1-inch by 4-inch (25 mm by 102 mm) spaced sheathing is installed at 10 inches (254 mm) or greater, additional 1-inch by 4-inch (25 mm by 102 mm) boards shall be installed between the sheathing boards. Where wood shingles are installed over spaced sheathing and the underside of the shingles are exposed to the attic space, the attic shall be ventilated in accordance with Sections R806.1, R806.2, R806.3 and R806.4. The shingles shall not be backed with materials that will occupy the required air gap space and prevent the free movement of air on the interior side of the spaced sheathing.	L	L	A		A	Y	

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34	R905.7.1.1	R905.7.1.1	R905.7.1.1	Solid sheathing required	N	24 IRC: R905.7.1.1 Solid sheathing required. In areas where the average daily temperature in January is 25°F (-4°C) or less, wood structural panels or solid lumber sheathing is required on that portion of the roof deck requiring the application of an ice barrier.	L	L	A	A	Y	
35	R905.7.2	R905.7.2	R905.7.2	SLOPE	N	24 IRC: R905.7.2 ~~Deck slope~~ Slope.	L	L	A	A	Y	
36			R905.7.5	Wind resistance of wood shingles	N	24 IRC Created this new section: R905.7.5 Wind resistance of wood shingles. In regions where wind design is required in accordance with Figure R301.2.1.1, wood shingles shall be installed to resist the component and cladding loads specified in Table R301.2.1(1), adjusted for height and exposure in accordance with Table R301.2.1(2). In regions where wind design is not required in accordance with Figure R301.2.1.1, wood shingles are permitted to be attached in accordance with Section R905.7.6.	L	L	A	A	Y	
37	R905.7.5	R905.7.5	R905.7.6	Application	N	24 IRC Renumbered this section due to the creation of R905..7.5 it also add an ASTM section: ….coating weight of ASTM A153 Class D or ASTM A641 Class 3S	L	L	A	A	Y	
38	R905.7.5 thru R905.7.7	same	R905.7.6 thru R905.7.8		N	24 IRC Renumbered these sections and tables due to the creation of R905..7.5	L	L	A	A	Y	
39	TABLE R905.7.5(2)	TABLE R905.7.5(2)	TABLE R905.7.6(2)	Nail requirements	N	24 IRC Reformatted this table combining information into 2 columns	L	L	A	A	Y	
40	R905.8.1	R905.8.1	R905.8.1	Sheathing requirements.	N	24 IRC: R905.8.1 ~~Deck~~ Sheathing requirements. Wood shakes shall be fastened to wood structural panels , solid lumber sheathing or spaced lumber sheathing. ~~used only on solid or spaced sheathing~~. Where spaced lumber sheathing is used, sheathing boards shall be not less than 1-inch by 4-inch (25 mm by 102 mm) nominal dimensions and shall be spaced on centers equal to the weather exposure to coincide with the placement of fasteners. Where 1-inch by 4-inch (25 mm by 102 mm) spaced lumber sheathing is installed at 10 inches (254 mm) on center, additional 1-inch by 4-inch (25 mm by 102 mm) boards shall be installed between the sheathing boards. Where wood shakes are installed over spaced sheathing and the underside of the shakes are exposed to the attic space, the attic shall be ventilated in accordance with Sections R806.1, R806.2, R806.3 and R806.4. The shakes shall not be backed with materials that will occupy the required air gap space and prevent the free movement of air on the interior side of the spaced sheathing.	L	L	A	A	Y	
41	R905.8.1.1	R905.8.1.1	R905.8.1.1	Solid sheathing required.	N	24 IRC: R905.8.1.1 Solid sheathing required. In areas where the average daily temperature in January is 25°F (-4°C) or less, wood structural panels or solid lumber sheathing is required on that portion of the roof deck requiring an ice barrier.	L	L	A	A	Y	
42	R905.8.2	R905.8.2	R905.8.2	SLOPE	N	24 IRC: R905.8.2 Deck slope Slope.	L	L	A	A	Y	

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43			R905.8.6	Wind resistance of wood shakes	N	24 IRC Created this new section: R905.8.6 Wind resistance of wood shakes. In regions where wind design is required in accordance with Figure R301.2.1.1, Wood shakes shall be installed to resist the component and cladding loads specified in Table R301.2.1(1), adjusted for height and exposure in accordance with Table R301.2.1(2). In regions where wind design is not required in accordance with Figure R301.2.1.1, wood shakes are permitted to be attached in accordance with Section R905.8.8.	L	L	A		A	Y	
44	R905.8.6 thru R905.8.9	same	R905.8.7 thur R905.8.10	WOOD SHAKES	N	24 IRC:Renumbered these sections and tables due to the creation of R905.8.6	L	L	A		A	Y	
45	R905.8.6	R905.8.6	R905.8.7	Application	N	24 IRC: ~~R905.8.6~~ R905.8.7 Application. Added a new ASTM: ...coating weight of ASTM A153 Class D or ASTM A641 Class 3S	L	L	A		A	Y	
46			R905.9.4	Wind resistance of built-up roofs.	N	24 IRC Created this new section: R905.9.4 Wind resistance of built-up roofs. Built-up roof coverings shall be tested in accordance with FM 4474, UL 580 or UL 1897 and installed to resist the component and cladding loads specified in Table R301.2.1(1), adjusted for height and exposure in accordance with Table R301.2.1(2).	L	L	A		A	Y	
47	R905.10.1	R905.10.1	R905.10.1	Metal roof panels: Sheathing requirements.	N	24 IRC: R905.10.1 ~~Deck~~ Sheathing requirements. Metal roof panel roof coverings shall be fastened to wood structural panels , solid lumber sheathing or ~~applied to solid or~~ spaced lumber sheathing, except where the roof covering is specifically designed to be applied to spaced supports.	L	L	A		A	Y	

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48			R905.10.5	Wind resistance of metal roof panels.	N	24 IRC: Created this new section: R905.10.5 Wind resistance of metal roof panels. Metal roof panels shall be installed to resist the component and cladding loads specified in Table R301.2.1(1), adjusted for height and exposure in accordance with Table R301.2.1(2). Metal roof panels applied to a solid or closely fitted deck shall be tested for wind resistance in accordance with FM 4474, UL 580, or UL 1897. Structural standing seam metal panel roof systems shall be tested for wind resistance in accordance with ASTM E1592 or FM 4474. Structural through-fastened metal panel roof systems shall be tested for wind resistance in accordance with ASTM E1592, FM 4474 or UL 580. Exceptions: 1. Metal roofs constructed of cold-formed steel shall be permitted to be designed and tested in accordance with the applicable referenced structural design standard in Section 2208.1 of the International Building Code. 2. Metal roofs constructed of aluminum shall be permitted to be designed and tested in accordance with the applicable referenced structural design standard in Section 2002.1 of the International Building Code.	L	L	A		A	Y	
49	R905.10.5	R905.10.5	R905.10.6	Underlaymnet	N	24 IRC Renumbered this section because of the creation of R905.10.5	L	L	A		A	Y	
50			R905.11.4	Wind resistance of modified bitumen roofing	N	24 IRCCreated this new section: R905.11.4 Wind resistance of modified bitumen roofing. Modified bitumen roofing shall be tested in accordance with FM 4474, UL 580 or UL 1897 and installed to resist the component and cladding loads specified in Table R301.2.1(1), adjusted for height and exposure in accordance with Table R301.2.1(2).	L	L	A		A	Y	
51	R905.12	R905.12	R905.12	Single-ply roofing	N	24 IRC: R905.12 ~~Thermoset single~~ Single-ply roofing. The installation of ~~thermoset single-ply roofing~~ single-ply membrane roof coverings shall comply with the provisions of this section.	L	L	A		A	Y	
52			TABLE R905.12	Single-ply roofing material standards	N	24 IRC Created this new table	L	L	A		A	Y	
53	R905.12.1	R905.12.1	R905.12.1	SLOPE	N	24 IRC: R905.12.1 Slope. ~~Thermoset single~~ Single-ply membrane ~~roofs~~ roof coverings shall have a design slope of not less than 1/4 unit vertical in 12 units horizontal (2-percent slope) for drainage.	L	L	A		A	Y	
54	R905.12.2	R905.12.2	R905.12.2	Material Standards	N	24 IRC: R905.12.2 Material standards. ~~Thermoset single~~ Single-ply membrane roof coverings shall comply with the material standards in Table R905.12 ~~ASTM D4637 or ASTM D5019.~~	L	L	A		A	Y	

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55	R905.12.3	R905.12.3	R905.12.3	Application	N	24 IRC: R905.12.3 Application. ~~Thermoset single~~ Single-ply membrane roof coverings ~~roofs~~ shall be installed in accordance with this chapter and the manufacturer's installation instructions.	L	L	A		A	Y	
56			R905.12.4	Wind resistance of single-ply roofing.	N	24 IRC Created this new section: R905.12.4 Wind resistance of single-ply roofing. Single-ply roofing shall be tested in accordance with FM 4474, UL 580 or UL 1897 and installed to resist the component and cladding loads specified in Table R301.2.1(1), adjusted for height and exposure in accordance with Table R301.2.1(2).	L	L	A		A	Y	
57	R905.13 thru R905.13.3	R905.13 thru R905.13.3	~~R905.13 thru R905.13.3~~	Thermoplastic single-ply roofing.	N	24 IRC Deleted all of this section including the subsections: ~~R905.13 Thermoplastic single-ply roofing. The installation of thermoplastic single-ply roofing shall comply with the provisions of this section.~~ ~~R905.13.1 Slope. Thermoplastic single-ply membrane roofs shall have a design slope of not less than 1/4 unit vertical in 12 units horizontal (2-percent slope).~~ ~~R905.13.2 Material standards. Thermoplastic single-ply roof coverings shall comply with ASTM D4434, D6754 or D6878.~~ ~~R905.13.3 Application. Thermoplastic single-ply roofs shall be installed in accordance with this chapter and the manufacturer's instructions.~~	L	L	A		A	Y	
58	R905.14 thru R905.14.3	R905.14 thru R905.14.3	R905.13 thru R905.13.3	Sprayed polyurethane foam roofing.	N	24 IRC Renumber this section including it's subsections and TABLE R905.13.3:	L	L	A		A	Y	
59			R905.13.4	Wind resistance of sprayed polyurethane foam roofing	N	24 IRC Created this new section: R905.13.4 Wind resistance of sprayed polyurethane foam roofing. Sprayed polyurethane foam roofing shall be tested in accordance with FM 4474, UL 580 or UL 1897 and installed to resist the component and cladding loads specified in Table R301.2.1(1), adjusted for height and exposure in accordance with Table R301.2.1(2).	L	L	A		A	Y	
60	R905.14.4 thru R905.15.3	R905.14.4 thru R905.15.3	R905.13.5 thru R905.14.3		N	24 IRC Renumbered these sections and subsections because of the creation of section R905.13.4	L	L	A		A	Y	
61			R905.14.4	Wind resistance of liquid-applied roofing	N	24 IRC Created this new section: R905.14.4 Wind resistance of liquid-applied roofing. Liquid-applied roofing shall be tested in accordance with FM 4474, UL 580 or UL 1897 and installed to resist the component and cladding loads specified in Table R301.2.1(1), adjusted for height and exposure in accordance with Table R301.2.1(2).	L	L	A		A	Y	
62	R905.15	R905.15	R905.16	BIPV Shingles.	N	24 IRC: Renumbered all of section R905.15 to R905.16 including sub-sections and tables and changed the title from ~~Photovoltaic~~ to BIPV Shingles.	L	L	A		A	Y	

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63	R905.16.1	R905.16.1	R905.15.1	Sheathing requirements.	N	24 IRC: ~~R905.16.1~~ R905.15.1 ~~Deck~~ Sheathing requirements. ~~Photovoltaic~~ BIPV shingles shall be fastened to wood structural panels , solid lumber sheathing or closely fitted lumber sheathing, ~~applied to a solid or closely-fitted deck~~, except where the roof covering is specifically designed to be applied over spaced lumber sheathing.	L	L	A		A	Y	
64	R905.17	same	R905.16	Building-integrated photovoltaic (BIPV) roof panels applied directly to the roof deck.	N	~~R905.17.1~~ R905.16.1 ~~Deck~~ Sheathing requirements. BIPV roof panels shall be fastened to wood structural panels , solid lumber sheathing or closely-fitted lumber sheathing ~~applied to a solid or closely-fitted deck~~, except where the roof covering is specifically designed to be applied over spaced lumber sheathing.	L	L	A		A	Y	
65	R905.17.2	R905.17.2	R905.16.2	same	N	24 IRC: ~~R905.17.2~~ R905.16.2 ~~Deck slope~~ Slope.	L	L	A		A	Y	
66	R905.17.5	R905.17.5	R905.16.5	Material standards.	N	24 IRC: ~~R905.17.5~~ R905.16.5 Material standards. BIPV roof panels shall be listed and labeled in accordance with UL 7103 ~~or with both UL 61730-1 and UL 61730-2.~~	L	L	A		A	Y	
67			R905.16.7	Wind resistance of BIPV roof panels	N	24 IRC created this new section: R905.16.7 Wind resistance of BIPV roof panels. BIPV roof panels shall be tested in accordance with UL 7103 and installed to resist the component and cladding loads specified in Table R301.2.1(1), adjusted for height and exposure in accordance with Table R301.2.1(2).	L	L	A		A	Y	
68	R906.1	R906.1	R906.1	ROOF INSULATION	N	**21** IRC: R906.1 General. ~~The use of above-deck thermal insulation shall be permitted provided that~~ Where above-deck thermal insulation is installed, such insulation shall be ~~is~~ covered with an approved roof covering and shall comply ~~complies~~ with NFPA 276 ~~FM 4450~~ or UL 1256.	L	L	A		A	Y	
69	TABLE R906.2	TABLE R906.2	TABLE R906.2	Material standards for roof insulation	N	24 IRC: added a new ASTM for Cellular glass board	L	L	A		A	Y	
70	R908.3	R908.3	R908.3	Roof replacement.	N	24 IRC Deleted the existing Exception and created 3 new exceptions and sub-sections: ~~Exception: Where the existing roof assembly includes an ice barrier membrane that is adhered to the roof deck , the existing ice barrier membrane shall be permitted to remain in place and covered with an additional layer of ice barrier membrane in accordance with Section R905.~~	L	L	A		A	Y	

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71			Continued	Continued	N	Exceptions: 1. Where the existing roof assembly includes an ice barrier membrane that is adhered to the roof deck and the existing sheathing is not water soaked or deteriorated to the point that it is not adequate as a base for additional roofing, the existing ice barrier membrane shall be permitted to remain in place and covered with an additional layer of ice barrier membrane in accordance with Section R905 where permitted by the roof covering manufacturer and new ice barrier underlayment manufacturer. 2. Where the existing roof includes a self-adhered underlayment and the existing sheathing is not water soaked or deteriorated to the point that it is not adequate as a base for additional roofing, the existing self-adhered underlayment shall be permitted to remain in place and covered with an underlayment complying with Table R905.1.1(1), Table R905.1.1(2) and Table R905.1.1(3). 3. Where the existing roof includes one layer of self-adhered underlayment and the existing layer cannot be removed without damaging the roof deck , a second layer of self-adhered underlayment is permitted to be installed over the existing self-adhered underlayment provided that the following conditions are met: 3.1. It is permitted by the roof covering manufacturer and new self-adhered underlayment manufacturer. 3.2. The existing sheathing is not water soaked or deteriorated to the point that it isnot adequate as a base for additional roofing. 3.3. The second layer of self-adhered underlayment is installed such that buildup of material at walls, valleys, roof edges, end laps, and side laps does not exceed two layers.	L	L	A		A	Y	
72	R908.3.1 and R308.3.1.1	R908.3.1 and R308.3.1.1	R908.4	Roof Recover	N	24 IRC: renumbered this sub-section making it it's own section and added an Exception to replace R308.3.1.1 which was then deleted or actually just left out. ~~R308.3.1.1 Roof recover not allowed~~ **Exceptions:** A roof recover shall not be permitted where any of the following conditions occur: 1. Where the existing roof or roof covering is water soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for the additional roofing. 2. Where the existing roof covering is slate, clay, cement or asbestos-cement title. 3. Where the existing roof has two or more applications of any type of roof covering .	L	L	A		A	Y	
73	R908.4	R908.4	R908.4.1	Roof Recovering	N	24 IRC: ~~R908.4~~ R908.4.1 Roof recovering over wood shingles or shakes.	L	L	A		A	Y	
74	R908.5	R908.5	R908.5	Reinstallation of materials	**Y**	CCP presented to modify 24 IRC language.	L	L	**DISCUSS CCP 8/8/25**				**8-8-25:**
75			R909	Roof Coatings	N	24 IRC Created this new section	L	L	A		A	Y	

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76			R909.1	General	N	24 IRC: R909.1 General. The installation of a roof coating on a roof covering shall comply with the requirements of Section R902, Section R904 and this section. Roof coatings shall be installed in accordance with the manufacturer's installation instructions.	L	L	A		A	Y	
77			R909.2	Material Standards	N	24 IRC: R909.2 Material standards. Roof coating materials shall comply with one of the standards in Table R909.2	L	L	A		A	Y	
78			TABLE R909.2	Roof Coating Material Standards	N	24 IRC Created this new table	L	L	A		A	Y	
79													
1309 Ch. 10 - Chimneys & Fireplaces													
1	Table R1001.1	Table R1001.1	Table R1001.1	Summary of Requirements For Masonry Fireplaces and Chimneys	N	2020/2021/2024: Units of measurement are spelled out rather than using an abrevation. Example: 4" to 4 inches.	L	L	A				
2	R1001.11	R1001.11	R1001.11	Fireplace clearance	N	2020/2021/2024: Wood beams, joists, studs and other combustible material shall have a clearance of not less than 2 inches (51 mm) from the front faces and sides of masonry fireplaces and not less than 4 inches (102 mm) from the back faces of masonry fireplaces. The airspace shall not be filled, except for noncombustible material or to provide fireblocking in accordance with Section R1001.12.	L	L	A				
3	R1001.11 Exception 3	R1001.11 Exception 3	R1001.11 Exception 3	Fireplace clearance	N	2020/2021/2024: Exposed combustible trim and the edges of sheathing materials such as wood siding, flooring and gypsum board shall be permitted to abut the masonry fireplace sidewalls and hearth extension in accordance with Figure R1001.11, provided that such combustible trim or sheathing is not less than 8 ~~12~~ inches (203 mm) ~~(305 mm)~~ from the inside surface of the nearest firebox lining. Where the fireplace opening is 6 square feet (0.6 m2) or larger, such combustible trim or sheathing shall be permitted to abut the masonry fireplace sidewalls and hearth extension provided that such combustible trim or sheathing is not less than 12 inches (305 mm) from the inside surface of the nearest firebox lining.	L	L	A				
4	N/A	R1001.13	R1001.13	Fireplace accessories	N	2020/2021/2024: Listed and labeled fireplace accessories shall be installed in accordance with the conditions of the listing and the manufacturer's instructions. Fireplace accessories shall comply with UL 907.	L	L	A				
5	R1003.18 Exception 2	R1003.18 Exception 2	R1003.18 Exception 2	Chimney clearances	N	2020/2021/2024: Where masonry chimneys are constructed as part of masonry or concrete walls, combustible materials shall not be in contact with the masonry or concrete wall less than 8 ~~12~~ inches (203 mm) ~~(305 mm)~~ from the inside surface of the nearest flue lining.	L	L	A				

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6	R1003.18 Exception 3	R1003.18 Exception 3	R1003.18 Exception 3	Chimney clearances	N	2020/2021/2024: Combustible materials ~~Exposed combustible trim and the edges of sheathing materials, such as wood siding and flooring,~~ shall be permitted to abut the masonry chimney side walls, in accordance with Figure R1003.18, provided such combustible material ~~trim or sheathing~~ is not less than 8 inches (203 mm) from the inside surface of the nearest flue lining.	L	L	A				
7	R1004.4	R1004.4	R1004.4	Unvented gas log heaters	N	2020/2021/2024: An unvented gas log heater or a fireplace insert shall not be installed in a factory-built fireplace unless the fireplace system has been specifically tested, listed and labeled for such use in accordance with UL 127.	L	L	A				
8	N/A	N/A	R1005.9	Factory-built chimney offsets	N	2020/2021/2024: Where a fireplace manufacturer's instructions do not address factory-built chimney offsets, no part of the chimney shall be at an angle of more than 30 degrees (0.52 rad) from vertical at any point in the assembly and the chimney assembly shall not include more than four elbows.	L	L	A				
9	R1006.2	R1006.2	R1006.2	Exterior air intake	N	2020/2021/2024: The exterior air intake shall be capable of supplying all combustion air from the exterior of the dwelling unit or from spaces within the dwelling unit ventilated with outdoor air such as nonmechanically ventilated crawl or attic spaces. The exterior air intake shall not be located within the garage or basement of the dwelling unit. The exterior air intake, for other than listed factory-built fireplaces, shall not be located at an elevation higher than the firebox. The exterior air intake shall be covered with a corrosion-resistant screen of 1/4-inch (6.4 mm) mesh.	L	L	A				
CHAPTER 44 REFERENCE STANDARDS													
1	CH. 44	CH. 44	CH. 44	Reference Standards	N	24 IRC RENUMBERED	L	L	ADOPT AS WRITTEN				
1309 APPENDIX													
1	Q	AQ	BB	Tiny Houses	N	24 IRC RENUMBERED	L	L	ADOPT AS WRITTEN.				
2	K	AK	BG	Sound Transmission	N	24 IRC RENUMBERED	L	L	ADOPT AS WRITTEN.				
3			BJ	Stawbale const.	N	Adoption of the appendix	L	L			~~4/8: REJECT~~ **7/15: Supported**	N	4/8: POLL taken = 3 Support, 6 Deny 7/15/25: POLL TAKEN: Supported 8; Deny 2; With Friendly amendment by Greg Metz to include MESH bottom and top of walls and Kyle Thrapp for testing requirements.

To be completed by Chair										To be completed by TAG members		
Item No.	2020 Minnesota Code Section	2021 IRC Code Section	2024 IRC Code Section	Subject	Current MN Amend Y or N	Description of Change	Safety & Health Value N=None, L=Low M=Med, H=High	Cost Impact N=None, L=Low M=Med, H=High	Recommendation A - Accept R - Reject AM - Amend or Comments		Recommendation A - Accept R - Reject AM - Amend	TAG Group Consensus Y or N	Comments
4			BL	Hemp/Lime crete const.	N	Adoption of the appendix	L	L			~~4/8: TABLED~~ **7/15: supported**	N	**4/8: Poll taken whether to TABLE for further review by Other TAGs and further discussion or REJECT the CCP:** **6-TABLE, 2-REJECT, 1-Abstain** **7/15/25:** POLL TAKEN: Support 8; Deny 1; with Friendly amendment by Greg Metz that overhangs be 20" and 30".