To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Health Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
Chapter 3 Building Planning																
1R	IRC	3	**R301.1.4**	~	~	Design Criteria; Intermodal Shipping Containers	N	IRC 2021 new section. Intermodal shipping containers that are repurposed for use as buildings or structures shall be designed in accordance with the structural provisions in Section 3114 of the International Building Code.					A	Y		
~~2R~~	~~IRC~~	~~3~~	~~Table R301.2~~	~~Table R301.2~~	~~**1309.0301/Table R301.2(1)**~~	~~Climatic and Geographic Design Criteria~~	~~Y~~				~~Renumber amendment (drop parentheses)~~		X	X		IRC TAG
3R	IRC	3	Table R301.2	Table R301.2	**1309.0301/Table R301.2(1)**	Roof Snow Load[f]	Y	$p_f = 0.7 * p_g$					A	Y		Address roof snow in a footnote to this table. Retain Ground Snow as discussed.
4R	IRC	3	Table R301.2	Table R301.2	**1309.0301/Table R301.2(1)**	Footnote "f"	Y	**Current MR Footnote "f":** f 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.					Tabled			12/5/24 tabled. MO working on overlay lines on counties.
5R	IRC	3	Table R301.2	Table R301.2	**1309.0301/Table R301.2(1)**	Wind Design Speed[d]	Y	**Current MR:** 115 mph derived from 2015 IRC Figure R301.2.5(A)					AM	Y		Revise amendment to 110 (corresponding with Figure R301.2(2))ultimate wind speed and footnote allows Haz Tool.
6R	IRC	3	**Table R301.2**	Table R301.2	1309.0301/Table R301.2(1)	Wind Design Speed[d]	N	Map values changed (ranges 103-114 mph) 2024. Allows use of ASCE 7 Hazard Tool.					A	Y		
7R	IRC	3	**Table R301.2**	Table R301.2	1309.0301/Table R301.2(1)	Footnote "d"	N	IRC 2024 adds: "the ultimate design wind speeds" before "map".					A	Y		
8R	IRC	3	Table R301.2	Table R301.2	**1309.0301/Table R301.2(1)**	Wind Design Topographic Effects	Y	**Current MR**: YES per footnote "k" and R301.2.1.5 where local historical data documents damage due to wind speed-up.					AM	Y		Retain as current.
9R	IRC	3	Table R301.2	Table R301.2	**1309.0301/Table R301.2(1)**	Wind Design Special Wind Region	Y	**Current MR:** Does not include data for Special Wind Region status. (2018 IRC model code requires "yes" or "no" based on Figure R301.2(5) where there is local historical data documenting unusual wind conditions.)					AM	Y		Delete the column and footnotes if applicable
10R	IRC	3	**Table R301.2**	Table R301.2	1309.0301/Table R301.2(1)	Wind Design Special Wind Region	N	Determine whether "yes" or "no" based on Figure R301.2(5) where/if there is local historical data documenting unusual wind conditions.					AM	Y		

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Hea lth Value / Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
11R	IRC	3	Table R301.2	Table R301.2	**1309.0301/Table R301.2(1)**	Wind Design Windborne Debris Zone	Y	**Current MR:** Windborne Debris Zone is defined term, only Atlantic and Gulf coastal areas. Amendment deletes this item from the table.				AM	Y		Delete the column and footnotes if applicable
12R	IRC	3	Table R301.2	Table R301.2	**1309.0301/Table R301.2(1)**	Seismic Design Category	Y	**Current MR:** Based on Figure R301.2.2.1(2) map, MN is in Category A. Same for IRC 2024 map.				AM	Y		Retain as 'A"
13R	IRC	3	Table R301.2	Table R301.2	**1309.0301/Table R301.2(1)**	Subject to Damage from Weathering[a]	Y	**Current MR:** Based on Figure R301.2.(1) map, "Severe". Same for IRC 2024 map.				AM	Y		Retain as "severe"
14R	IRC	3	**Table R301.2**	Table R301.2	1309.0301/Table R301.2(1)	Footnote "a"	N	IRC 2024 adds: The grade of masonry units shall be determined from ASTM C34, ASTM C55, ASTM C62, ASTM C73, ASTM C90, ASTM C129, ASTM C145, ASTM C216 or ASTM C652.				A	Y		
15R	IRC	3	Table R301.2	Table R301.2	**1309.0301/Table R301.2(1)**	Subject to Damage from Frost Line Depth[b]	Y	**Current MR:** See MR part 1303.1600				A	Y		
16R	IRC	3	Table R301.2	Table R301.2	**1309.0301/Table R301.2(1)**	Footnote "b"	Y	**Current MR:** References two zones. Need to amend to reference Zone I, Zone II, or Zone III.				AM	Y		Revise amendment to three zones.
17R	IRC	3	**Figure R301.2(2)**	Figure R301.2(2)	Figure R301.2(5)	Ultimate Design Wind Speeds Map	N	IRC 2024 all notes revised. References the ASCE 7 Hazard Tool.				A	Y		
18R	IRC	3	**Figure R301.2(3)**	Figure R301.2(3)	Figure R301.2(3)	Allowable Stress Design Ground Snow LoadsLoads for the United States	N	IRC 2024 renamed, and map and all notes revised. References the ASCE 7 Hazard Tool.				Tabled			Table 12/5.
19R	IRC	3	**R301.2.1**	R301.2.1	R301.2.1	Wind Design Criteria	N	IRC 2021 adds for metal roof shingles and addresses whether to use Figure R301.2(2) or lowest windspeed indicated.				A	Y		
20R	IRC	3	**Table R302.2.1(1)**	Table R302.2.1(1)	R301.2(2)	Component and Cladding Pressure Zones	N	IRC 2021 entire table revised. Some values revised again in IRC 2024. Footnote 'g" revised in 2024.				A	Y		
21R	IRC	3	**TABLE R301.2.1(2)**	TABLE R301.2.1(2)	Table R301.2(3)	Height and exposure adjustment coefficients for Table R301.2.1(1)	N	IRC 2021 some values changed, others changed in 2024.				A	Y		
22R	IRC	3	**R301.2.1.1**	R301.2.1.1	R301.2.1.1	Wind Limitations and Wind Design Required		IRC 2021 adds language for ultimate design wind speed > or = to 140.				A	Y		
23R	IRC	3	**Table R301.2.1.5.1**	Table R301.2.1.5.1	Table R301.2.1.5.1	Ultimate Design Wind Speed Modification for Topographis Wind Effect		IRC 2021 revises some values.				A	Y		

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Hea lth Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
24R	IRC	3	**R301.2.3**	R301.2.3	R301.2.3	Snow Loads	N	IRC 2024 adds: 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.					Tabled			Table (map discussion) 12/5.
25R	IRC	3	**R301.3**	R301.3	R301.3	Story Height	N	IRC 2021 adds an exception for up to 13'-7". Other changes for other than wood framed walls.					A	Y		
26R	IRC	3	**Table R301.5**	Table R301.5	Table R301.5	Minimum Uniformly Distributed Live Loads	N	IRC 2021 table is reformatted. Several footnotes revised					A	Y		
27R	IRC	3	**R301.6**	R301.6	R301.6	Roof Load	N	IRC 2021 revised to reference ground snow.					A	Y		
28R	IRC	3	**Table R301.7**	Table R301.7	Table R301.7	Allowable Deflection of Structural Members	N	IRC 2021 footnoe "e" revised specifying that the dead load of supported materials to be included wen calc-ing the deflection of lintels. IRC 2024 excludes guards and handrails.					A	Y		
Chapter 4 Foundations																
29R	IRC	4	**Table R401.4.1(1)**	Table R401.4.1	Table R401.4	401 General; Presumptive Load-Bearing Values of Foundation Materials	N	Renumbering only.	N	N			A	Y		
30R	IRC	4	**Table R401.4.1(2)**	~	~	401 General; Properties of Soils Classified According to the Unified Soil Classification System	N	Table is new in 2024.	N	N			A	Y		

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Hea lth Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
31R	IRC	4	Table R402.2	Table R402.2	**Table 1309.0402**	402 Materials; Minimum Specified Compressive Strength of Concrete	Y	**Current MR.** From the Statement of Need and Reasonablness 8/22/19 for the amendment:*The column heading (Minimum Specified Compressive Strength) and footnote "g" are modified to correct an error in the symbol for compressive strength.* *Footnote "h" is added to Table R402.2 of the IRC to specify that concrete able to withstand 5,000 pounds of force per square inch ("5000 psi") is not required for post footings of decks and porches, wood foundations, slab-on-grade foundation walls, and footings for floating slabs. During the adoption of the 2012 IRC, Table 402.2 was modified to require that footings for dwellings be constructed with 5000 psi concrete. The purpose of this requirement was to prevent moisture from passing through the porous concrete material of the footing and then into the concrete or masonry foundation walls that enclose the basement or the crawl space.* *The moisture protection provided by 5000 psi concrete is unnecessary for post footings of decks and porches, wood foundations, slab-on-grade foundation walls, and footings for floating slabs. The footings for decks and porches are not a part of the foundation of the dwelling and therefore 5000 psi concrete is unnecessary. Slab-on-grade and floating slab foundations are at the level of the soil and do not require footings. Moisture protection is necessary for foundations that are deeper in the ground to accommodate a basement or crawlspace. Wood foundations do not have concrete components and therefore do not require concrete footings. This change is reasonable to clarify the types of footings where 5000 psi concrete is not required, which will ensure uniform application and enforcement of the*	N	N			Tabled		Tabled 1/16. Members to review research.	
32R	IRC	4	**Table R403.1(1)**	Table R403.1(1)	Table R403.1(1)	403 Footings; Minimum Width and Thickness for Concrete Footings for Light-Frame Construction	N	IRC 2021 dimensional changes throughout the table and revisions to footnotes.					A	Y		

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Hea lth Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
33R	IRC	4	**Table R403.1(2)**	Table R403.1(2)	Table R403.1(2)	403 Footings; Minimum Width and Thickness for Concrete Footings for Light-Frame Construction with Brick Veneer or Lath and Plaster	N	IRC 2021 adds Lath and Plaster to table. Dimensional changes throughout the table and revisions to footnotes.					A	Y		
34R	IRC	4	**Table R403.1(3)**	Table R403.1(3)	Table R403.1(3)	403 Footings; Minimum Width and Thickness for Concrete Footings with Cast-In-Place Concrete or Partially Grouted Masonry Wall Construction	N	IRC 2021 adds"Partially" to table name. Dimensional changes throughout the table and revisions to footnotes.					A	Y		
35R	IRC	4	403.1.1	**403.1.1**	403.1.1	403 Footings; Minimum size	N	IRC 2021 adds "not less than 12" W x 6" D".					A	Y		
36R	IRC	4	**403.1.1**	403.1.1	403.1.1	403 Footings; Minimum size	N	IRC 2024 adds reference for crushed stone footings to 403.5.					A	Y		
37R	IRC	4	**403.1.2**	~	~	403 Footings; Continuous Footing (Seismic)	N	IRC 2024 added language and new table.					A	Y		
38R	IRC	4	403.1.4.1	403.1.4.1	**1309.0403.1.4.1**	403 Footings; Frost Protection	Y	**Current MR:** Adds reference to MR 1303 for frost protection. Disallows footings on frozen soil. See UA for details.					Tabled			Tabled 1/16.
39R	IRC	4	**403.1.6**	403.1.6	403.1.6	403 Footings; Foundation Anchorage	N	IRC 2021 Permits anchor bolts to be located while concrete is still plastic and requires vibration where resistance or imediment to consolidation of concrete.					A	Y		Accepted 1/16/25. Further discussion 2/6/25.

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Health Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
40R	IRC	4			**1309.403.1.6**	403 Footings; Foundation Anchorage	Y	**Current MR:** *Amended to clarify anchor bolts are permitted within eight inches of the vertical foundation reinforcement. Vertical reinforcement consists of steel rebar dowels placed in the masonry or concrete foundation to provide structural support. Anchor bolts are used to attach the foundation to the wall of the dwelling. The current amendment requires the vertical reinforcement to align with the anchor bolts. The exact alignment of the vertical foundation reinforcement with the anchor bolts can be difficult. The proposed amendment clarifies anchor bolts can be placed within eight inches of the vertical foundation reinforcement, which provides sufficient structural support. The final sentence of the section is modified to clarify the placement of the grout used to secure an anchor bolt in a masonry foundation. The proposed modifications to this section are reasonable to clarify existing code provisions and ensure uniform application and enforcement of the code. See UA.*					AM(D)	Y		
41R	IRC	4	**403.5**	~	~	403 Footings; Crushed Stone Footings for Cast-in-Place Concrete Foundations	N	IRC 2024 new section.					Tabled			Tabled 1/16/25. Related CCP to be reviewed at a future TAG.
41.1R					**CCP-STR-8-Res Figures R403.5(1); 403.5(2); 403.5(3)**	Crushed Stone Footing Depth		Proposed code change proposal.								
42R	IRC	4	**Figure 403.5 (1)**	~	~	403 Footings; Crushed Stone Footings for Cast-in-Place Concrete Foundations in Seismic Categories A, B, and C and Wind Exposure Categories B, C, and D: Cast-in-Place Concrete Foundation Wall with Wood Cripple Wall	N	IRC 2024 new figure.					Tabled			Tabled 1/16/25. Related CCP to be reviewed at a future TAG.

To Be Completed by TAG Leads

TAG Meeting Results

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Health Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
43R	IRC	4	**Figure 403.5 (2)**	~	~	403 Footings; Crushed Stone Footings for Cast-in-Place Concrete Foundations in Seismic Categories A, B, and C and Wind Exposure Categories B, C, and D: Concrete Slab-on-Ground with Turned Down Foudation Casti-in-Place Concrete Foundation Wall with No Cripple Wall Above	N	IRC 2024 new figure.					Tabled			Tabled 1/16/25. Related CCP to be reviewed at a future TAG.
44R	IRC	4	**Figure R403.5 (3)**	~	~	403 Footings; Crushed Stone Footings for Cast-in-Place Concrete Foundations in Seismic Categories A, B, and C and Wind Exposure Categories B, C, and D: Concrete Slab-on-Ground with Turned Down Foundation	N	IRC 2024 new figure.					Tabled			Tabled 1/16/25. Related CCP to be reviewed at a future TAG.
45R	IRC	4	Table R403.5	~	~	Minimum Cast-In-Place Concrete Foundation Wall	N	IRC 2024 new table.					Tabled			Tabled 1/16/25. Related CCP to be reviewed at a future TAG.
46R	IRC	4	R404.1	R404.1	**1309.0404.1**	Foundations, Foundations and Retaining Walls, Concrete and Masonry Foundation Walls	Y	**Current MR:** Amended in 2018 cycle to add lateral supported requirements from the 2006 IRC, avoiding need for structural design of all foundations. The amended text was requested to remain for 2015 MRC by BAMN. See UA.					A	Y		
47R	IRC	4	~	~	**Table 1309.0404.1(1)**	Maximum Anchor Bolt and Blocking Spacing for Supported Foundation Wall	Y	**Current MR:** Table added.					A	Y		

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Hlth Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus (Y or N)	Stakeholder Consensus (Y or N)	Comments
48R	IRC	4	R404.1.1	R404.1.1	**1309.0404.1.1**	Foundations, Foundations and Retaining Walls, Concrete and Masonry Foundation Walls, Design Required	Y	**Current MR:** Adds exception to design required: "Cantilevered concrete and masonry foundation walls supporting unbalanced backfill that do not have permanent lateral support at the top of the foundation shall be constructed according to Table R404.1.1(5), Table R404.1.1(6), or Table R404.1.1(7)."					Tabled			Tabled 2/6/25. Related CCP (50R) to be reviewed at a future TAG. Bring in line with accepted engineering practices and eliminate inconsistencies where possible.
49R	IRC	4	**Tables 404.1.2.1(1) - 404.1.2.1(4)**	Table 404.1.1(1) - 404.1.1.1(4)	Table 404.1.1(1) - 404.1.2.1(4)	Foundations, Foundations and Retaining Walls, Plain Masonry Foundation Walls; 8-Inch **Masonry** Foundation Walls with Reinforcing Where D ≥ 5 in; 10-Inch Masonry Foundation Walls with Reinforcing Where D ≥ 6.75 in; 12-Inch Masonry Foundation Walls with Reinforcing Where D ≥ 8.75 in	N	IRC 2021 added "unsupported" to max wall height in first column headings. IRC 2024 renumbers tables to be subsection of 404.1.2 Design of Masonry Foundation Walls.					A	Y		
50R	IRC	4	~	~	**Tables 1309.0404.1.1(5); 1309.0404.1.1(6); 1309.0404.1.1(7)**	Cantilevered Concrete and Masonry Foundation Walls	Y	**Current MR:** Tables added					Tabled			Tabled 2/6/25. CCP to be reviewed at a future TAG. Bring in line with accepted engineering practices and eliminate inconsistencies where possible.
51R	IRC	4	**Table R404.1.3.2 (1)**	Table R404.1.2(1)	Table R404.1.2(1)	Foundations, Foundations and Retaining Walls, Concrete Foundation Walls, Reinforcement for Foundation Walls; Minimum Horizontal Reinforcement for **Concrete** Basement Walls	N	IRC 2021 changed first column heading to Maximum Supported Wall Height. IRC 2024 renumbers table to be subsection of 404.1.3 Concrete Foundation Walls.					A	Y		

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Health Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
52R	IRC	4	**Table R404.1.3.2(2) - R404.1.3.2 (9)**	Table R404.1.2(2) - R404.1.2(9)	Table R404.1.2(2) - R404.1.2(9)	Foundations, Foundations and Retaining Walls, Concrete Foundation Walls, Reinforcement for Foundation Walls, Tables (multiple)	N	IRC 2024 tables renumbered as subsections of 404.1.3 Concrete Foundation Walls.					A	Y		
53R	IRC	4	**R404.1.3.3.6**	R404.1.3.3.6	R404.1.3.3.6	Foundations, Foundations and Retaining Walls, Concrete Foundation Walls, Concrete, Materials for Concrete, and Forms	N	IRC 2021 adds "shall be accurately positioned and secured before placing concrete".					A	Y		
~~54R~~	~~IRC~~	~~4~~	~~R406.1~~	~~R406.1~~	~~**1309.0406.1**~~	~~Foundations, Foundation Waterproofing and Dampproofing, Concrete and Masonry Foundation Dampproofing~~	~~Y~~	~~**Current MR:** 406.1 deleted~~					X	X		IRC TAG
~~55R~~	~~IRC~~	~~4~~	~~R406.2~~	~~R406.2~~	~~**1309.0406.2**~~	~~Foundations, Foundation Waterproofing and Dampproofing, Concrete and Masonry Foundation Waterproofing~~	~~Y~~	~~**Current MR:** Scoping for required waterproofing amended. Also retains two methods from 2025 IRC that were eliminated in 2018 IRC: Six-mil PVC and Six-mil polyethylene.~~					X	X		IRC TAG
Chapter 5 Floors																
56R	IRC	5	**R502.3.2**	R502.3.2	R502.3.2	Floors, Wood Floor Framing, Allowable Joist Spans, Other Floor Joists	N	IRC 2021 changes "sleeping rooms" to "sleeping areas."					A	Y		

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Hea lth Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
57R	IRC	5	**R502.3.3**	R502.3.3	R502.3.3	Floors, Wood Floor Framing, Allowable Joist Spans, Floor Cantilevers	N	IRC 2024 adds "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 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."					A	Y		
58R	IRC	5	**Table R502.3.3(1)**	Table R502.3.3(1)	Table R502.3.3(1)	Floors, Wood Floor Framing, Allowable Joist Spans, Floor Cantilevers	N	IRC 2021 removes requirement for use of No. 1 So. Yellow Pine.					A	Y		
59R	IRC	5	**R502.11**	~	~	Floors, Wood Floor Framing, Floor Framing Supporting Guards	N	IRC 2024 new section.					A	Y		
60R	IRC	5	**R502.11.1**	~	~	Floors, Wood Floor Framing, Floor Framing Supporting Guards, Conventional Edge Framing	N	IRC 2024 new section.					A	Y		
61R	IRC	5	**R502.11.2**	~	~	Floors, Wood Floor Framing, Floor Framing Supporting Guards, Timber Edge Framing	N	IRC 2024 new section.					A	Y		
62R	IRC	5	**R502.11.3**	~	~	Floors, Wood Floor Framing, Floor Framing Supporting Guards, Roll Bracing	N	IRC 2024 new section.					A	Y		
63R	IRC	5	**Sections R502.12, R502.13, R503.14**	Sections R502.11, R502.12, R502.13	Sections R502.11, R502.12, R502.13	Floors, Wood Floor Framing, Wood Trusses	N	IRC 2024 sections renumbered.					A	Y		
64R	IRC	5	**R505.1.1.1**	R505.1.1.1	~	Floors, Cold-Formed Steel Floor Framing, Applicability Limits, Alternate Applications	N	IRC 2021 new subsection. "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."					A	Y		

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Hea lth Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
65R	IRC	5	**R505.2.6**	R505.2.6	R505.2.6	Floors, Cold-Formed Steel Floor Framing, Structural Framing, Web Holes, Web Hole Reinforcing and Web Hole Patching	N	IRC 2021 subsections R505.2.6.1-R505.2.6.3 replaced with the following: "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.					A	Y		
66R	IRC	5	**R506.2**	~	~	Floors, Concrete Floors (On Ground), Post-tensioned slab-on-groud floors.	N	IRC 2024 new subsection. "Post-tensioned concrete slabs-on-ground floors placed on expansive or stable soils shall be designed in accordance with PTI DC10.5."					A	Y		
67R	IRC	5	**R507.1**	R507.1	R507.1	Floors, Exterior Decks, Decks	N	IRC 2021 revised language: "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.					A	Y		
68R	IRC	5	**Table R507.2.3**	Table R507.2.3	Table R507.2.3	Floors, Exterior Decks, Materials, Fasteners and Connectors, Fastener and Connector Specifications for Decks	N	IRC 2021 changes "nails and ~~timber~~ rivets" to "nails and glulam rivets". IRC 2024 changes minimum finish coating specifically indicating hot-dipped galvanized per ASTM A153, Class D or ASTM A641 3S for 3/8 inch diameter and less.					A	Y		
69R	IRC	5	**R507.3**	R507.3	R507.3	Floors, Exterior Decks, Footings	N	IRC 2021 removes the reference to R403.1.4 for depth and adds an exception for requirement of footings.					A	Y		
70R	IRC	5			**Table 1309.0507.3.1**	Minimum Footing Size for Decks	Y	Per sonar, MN Amendment modifies minimum footing sizes based on 40 psf live load, not snow load.								
71R	IRC	5	**Table R507.3.1**	**Table R507.3.1**	~	Minimum Footing Size for Decks	N	2021 table values and some footnotes revised from model 2018. 2024 added "Plain Concrete" to thickness column headings.								
72R	IRC	5	R507.3.2	**R507.3.2**	R507.3.2	Deck Footings, Minimum Depth	N	2021 section rewritten. Deck footings not less than 12" below undisturbed ground surface.								

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Health Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
73R	IRC	5	R507.3.3	**R507.3.3**	~	Deck Footings, Frost Protection	N	2021 new section addressing frost protection for deck footings.								
74R	IRC	5	R507.3.4	**R507.3.4**	R507.3.4	Deck Posts	N	2021 removed the reference to beam size.								
75R	IRC	5	Table R507.4	**Table R507.4**	Table R507.4	Deck Post Height	N	2021 table revised to be based on live or ground load, etc.								
76R	IRC	5	**R507.4.1**	R507.4.1	R507.4.1	Deck Post to Deck Footing Connection	N	2024 revised to require APPROVED connectors and also eliminates the statement "Other footing systems shall be permitted."								
77R	IRC	5	~	~	**Table R1309.0507.5**	Deck Beam Lengths	Y	IRC Table R507.5. Table R507.5 is amended by modifying footnote "a" to read as follows: a Live load = 40 psf, dead load = 10 psf, L/Δ = 360 at main span, L/Δ = 180 at cantilever with a 220-pound load applied at the end.								
78R	IRC	5	**R507.5**	**R507.5**	R507.5	Deck Beams	N	2021 adds reference to additional tables. 2024 revised to add reference Figure R507.6.								
79R	IRC	5	**Table R507.5(1)**	**Table R507.5(1)**	~	Maximum Deck Beam Span - 40 PSF Live Load	N	2021 New table. 2024 joist span length and joist cantilever length added to table, and some values revised throughout table.								
80R	IRC	5	**Table R507.5(2)**	**Table R507.5(2)**	~	Maximum Deck Beam Span - 50 PSF Live Load	N	2021 New table. 2024 joist span length and joist cantilever length added to table, and some values revised throughout table.								
81R	IRC	5	**Table R507.5(3)**	**Table R507.5(3)**	~	Maximum Deck Beam Span - 60 PSF Live Load	N	2021 New table. 2024 joist span length and joist cantilever length added to table, and some values revised throughout table.								
82R	IRC	5	**Table R507.5(4)**	**Table R507.5(4)**	~	Maximum Deck Beam Span - 70 PSF Live Load	N	2021 New table. 2024 joist span length and joist cantilever length added to table, and some values revised throughout table.								

To Be Completed by TAG Leads

TAG Meeting Results

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Hea lth Value / Cost Impact: N - None, L - Low, M-Med, H-High	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus: Y or N	Stakeholder Consensus: Y or N	Comments
83R	IRC	5	**R507.5.1**	R507.5.1	R507.5.1	Deck Beam Bearing	N	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 one-fourth 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 have full bearing on the post in accordance with Figures R507.5.1(1) and R507.5.1(2).~~							
84R	IRC	5	**R507.5.2**	R507.5.2	R507.5.2	Deck Beam Connection to Supports	N	Deck beams shall be connected to ~~attached to supports in a manner capable of transferring vertical loads and resisting horizontal~~ supporting members to prevent lateral 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.							
85R	IRC	5	Figure R507.5.2 (1)	Figure R507.5.1 (1)	Figure R507.5.1 (1)	Deck Beam to Deck Post	N	2024 renumbered.							
86R	IRC	5	Figure R507.5.2 (2)	Figure R507.5.1 (2)	Figure R507.5.1 (2)	Notched Post-to-Beam Connection	N	2024 renumbered.							
87R	IRC	5	~	~	**Table R1309.0507.6**	Deck Joist Spans for Common Lumber Species	Y	IRC Table R507.6. Table R507.6 is amended by modifying footnotes "b" and "c" to read as follows: b Live load = 40 psf, dead load = 10 psf, L/Δ = 360. c 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 to end.							
88R	IRC	5	Table R507.6	**Table R507.6**	Table R507.6	Maximum Deck Joist Spans	N	2021 replaces table from 2018 "Deck Joist Spans for Common Lumber Species"							
89R	IRC	5	**R507.6.1**	R507.6.1	R507.6.1	Deck Joist Bearing	N	2024 changes "*bearing on* " to "*bearing length on* ".							

To Be Completed by TAG Leads

TAG Meeting Results

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Hea lth Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
90R	IRC	5	R507.7	R507.7	R507.7	Decking	N	Maximum allowable spacing for joists supporting decking, excluding stair treads, shall be in accordance with Table R507.7. Wood decking shall be attached to each supporting member with not less than two 8d ~~threaded~~ deformed shank nails or two No. 8 wood screws. Other ~~approved~~ *approved* decking or fastener systems shall be installed in accordance with the manufacturer's installation requirements. (*approved* is now a defined term, thus italics in 2024)									
91R	IRC	5	Table R505.7	**Table 507.7**	Table 507.5	Maximum Joist Spacing for Wood Decking	N	2021 table revised. Added 'wood' to title.								
92R	IRC	5	**R507.9.1.1**	R507.9.1.1	R507.9.1.1	Ledger Details	N	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~~. Deck ledgers shall not support concentrated loads from beams or girders. Deck ledgers shall not be supported on stone or masonry veneer.									
93R	IRC	5	**R507.9.1.3**	R507.9.1.3	R507.9.1.3	Ledger to Band Joist Details	N	Where ledgers are fastened in accordance with Table R507.9.1.3(1), fasteners shall comply with Section R507.2.3 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.									

To Be Completed by TAG Leads | **TAG Meeting Results**

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Hea lth Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus (Y or N)	Stakeholder Consensus (Y or N)	Comments
94R	IRC	5	~	~	**Table R1309.0507.9.1.3 (1)**	Deck Ledger Connection to Band Joist	Y	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.								
95R	IRC	5	Table R507.9.1.3 (1)	**Table R507.9.1.3 (1)**	~	Deck Ledger Connection to Band Joist	N	2021 table revised to add ground snow.								

To Be Completed by TAG Leads

TAG Meeting Results

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Health Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
96R	IRC	5	R507.10 Exterior Guards; R507.10.1; R507.10.1.1; R507.10.1.2; R507.10.2; R507.10.4; R507.10.4	**R507.10 Exterior Guards; R507.10.1; R507.10.1.1; R507.10.1.2; R507.10.2; R507.10.4; R507.10.4**	~	Exterior Guards	N	New section 2021. R507.10 Exterior guards. Guards shall be constructed to meet the requirements of Sections R301.5 and R312, and this section. R507.10.1 Support of guards. 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. R507.10.1.1 Guards supported by side of deck framing. 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. R507.10.1.2 Guards supported on top of deck framing. 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. R507.10.2 Wood posts at deck guards. Where 4-inch by 4-inch 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. R507.10.3 Plastic composite guards. Plastic composite guards shall comply with the provisions of Section R507.2.2. R507.10.4 Other guards. Other guards shall be in accordance with either manufacturer's instructions or accepted engineering principles.									
Chapter 6 Wall Construction																
97R	IRC	6	**Table R602.3 (1)**	**Table R602.3 (1)**	Table R602.3 (1)	Fastening Schedule	N	Multiple changes 2021 and 2024 to line items and footnotes.								
98R			**Table R602.3 (2)**	**Table R602.3 (2)**	Table R602.3 (2)	Alternate Attachments to Table R602.3 (1)	N	Changes in 2021 and 2024.								
99R			**Table R602.3 (3)**	Table R602.3 (3)	Table R602.3 (3)	Requirements for Wood Structural Wall Panel Wall Sheating Used to Resist Wind Pressures	N	2024 footnote "d" added for panel nail field spacing: d. Fastener spacing applies where wall framing specific gravity is 0.42 or larger. Where wall framing specific gravity is greater than or equal to 0.35 but less than 0.42 in accordance with AWC NDS, maximum nail spacing in the field of the panel shall be 8 inches.									

To Be Completed by TAG Leads

TAG Meeting Results

1309/IRC Structural Review

Recommendations A - Accept Model Code AM - Amend Model Code F-Staff Follow Up

Item No.	2024 Code and Chapter: Code	2024 Code and Chapter: Chapter	2024 Section	2021 Code Section	2020 MN Code / MR Code Section Section	Code Section Heading/Topic	MN Amendment?	Description of change(s) to code language	Safety/Health Value (N - None, L - Low, M-Med, H-High)	Cost Impact (N - None, L - Low, M-Med, H-High)	Staff Comment	Staff Recommendation	TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	Comments
100R			R602.3.1	**R602.3.1**	R602.3.1	Stud size, Height, and Spacing	N	2021 adds "ground" to snow load.								
101R			~	~	**Table R1309.0602.3.1**	Max Allowable Length of Wood Wall Studs Exposed to Wind Speds of 115 MPH or Less	Y	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.								
102R			R602.6	**R602.6**	R602.6	Drilling and Notching of Studs	N	2021 changes: Drilling and notching of studs shall be in accordance with the following: 1. Notching. A stud in an exterior wall or bearing partition shall not be cut or notched to a depth exceeding 25 % of its depth. Studs in nonbearing partitions shall not be notched to a depth exceeding 40 % of a single stud depth. 2. Boring. The diameter of bored holes in studs shall not exceed 60 % of the stud depth, the edge of the hole shall not be less than 5/8 inch 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 %, 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.								