

# New Changes in the 2024 International Code TAG Review Worksheet

Model Code: 2024 IBC

Minnesota Rule 1305										To be completed by TAG			
Item No.	Minnesota Code Section	2021 "I" Code Section	2024 "I" 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	Stakeholder Consensus	Comments
					Y or N		N=None, L=Low M=Med, H=High	Y or N			Y or N		
<b>CHAPTER 16 STRUCTURAL DESIGN</b>													
686						MN amendments and changes to Chapter 16 of the IBC will be addressed by the MN Structural TAG.							
<b>CHAPTER 17 SPECIAL INSPECTIONS AND TESTS</b>													
687						MN amendments and changes to Chapter 17 of the IBC that are structural provisions will be addressed by the MN Structural TAG and are not documented by the Commercial Building Code 1305 TAG.				A			
688	1704.2.4	1704.2.4	1704.2.4	Report requirement		Change in 2024. Adds SI reports submitted..."at frequencies required by the approved construction documents or building official . All reports shall describe the nature and extent of inspections and tests, the location where the inspections and tests were performed, and indicate..."				A			
689	1704.3.1	1704.3.1	1704.3.1	Content of Special Inspections		Change in 2024. To list of statement of SI, adds Item "6. Deferred submittal items that require a supplemental statement of special inspections."				A			
690	Table 1705.3	Table 1705.3	Table 1705.3	Req'd SI and Tests of Concrete Construction		Change in 2021 and more change in 2024. Adds two items and several sub-items.				A			
691	1305.1705.3, Subp. 1, IBC Table 1705.3, Subp. 2 IBC 1705.4			Required Verification and Testing	Y	Subpart 1. IBC Table 1705.3. IBC Table 1705.3 is amended as follows: A. Add "Xc" to the "Periodic" column, row "7. Inspection of concrete and shotcrete placement for proper application techniques." B. Add footnote "c." to read as follows: c. Exception: Periodic verification and inspection is permitted, upon approval of the structural engineer of record and the building official.  §Subp. 2. IBC section 1705.4. IBC section 1705.4 is amended by adding the following sentence to the end of the section: "Periodic verification and inspection of grout placement is permitted, upon approval of the structural engineer of record and the building official."			Retain amendment (Structural TAG supported)	A			
692	1705.5.3; Table 1705.5.3	1705.5.3; Table 1705.5.3	1705.5.3; Table 1705.5.3	SI Mass Timber		New in 2021. Addresses new HT types of construction from IBC Ch. 6.				A			
693	1705.14	1705.15	1705.15	Sprayed fire-resistive materials		2021 IBC added inspections and testes to be performed during construction with and additional visual insepction after the rough installation and before concealment. The required sample size shall not exceed 110 percent of that specified by the referenced standards.				A			
694	1705.15	1705.16	1705.16	Intumescant fire-resistive materials		2021 IBC added inspections and testes to be performed during construction with and additional visual insepction after the rough installation and before concealment.				A			

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695	1705.17	1705.18	1705.18	Fire-resistant penetrations and joints		2021 IBC added fire areas containing Group R occupancies with an occupant load greater than 250 to the conditions where special inspections are required			A				
696		1705.20	1705.20	Sealing of mass timber		2021 IBC new section. <i>Periodic special inspections of sealants or adhesives shall be conducted where sealant or adhesive required by Section 703.7 is applied to mass timber building elements as designated in the approved construction documents.</i>			A				
<b>CHAPTER 18 SOILS AND FOUNDATIONS</b>													
697						MN amendments and changes to Chapter 18 of the IBC that are structural provisions will be addressed by the MN Structural TAG and are not documented by the Commercial Building Code 1305 TAG.							
698	1805.4.3	1805.4.3	1805.4.3	Drainage discharge	Y	MN modification to drain into a trapped area drain, sump, dry well, or other approved location above the ground. ICC language refers to an approved location in accordance with the IPC and includes an exception for well drained soils.			Retain amendment	A			
699			1807.2.5; 1807.2.5.1 to 1807.2.5.3	Retaining Walls, Guards		New in 2024. <i>At retaining walls located within 36 inches (914mm) of walking surfaces, a guard shall be required between the walking surface and the open side of the retaining wall where the walking surface is located more than 30 inches (762 mm) measured vertically to the surface or grade below at any point within 36 inches (914mm) horizontally to the edge of the open side. Guards shall comply with Section 1607.9.</i>			A				
670	1809.5	1809.5	1809.5	Shallow Foundations	Y	1305.1809 SECTION 1809, SHALLOW FOUNDATIONS. IBC section 1809.5 is amended to read as follows: 1809.5 Frost protection. Except where otherwise protected from frost, foundations and other permanent supports of buildings and structures shall be protected from frost by one or more of the following methods:  1. extending below the frost line specified in Minnesota Rules, part 1303.1600;  2. constructing in accordance with ASCE 32; or  3. erecting on solid rock.  Exception: Freestanding buildings constructed in accordance with Minnesota Rules, chapter 1303, shall not be required to be protected.  Shallow foundations shall not bear on frozen soil.			A				

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671	1809.5	1809.5	1809.5	Shallow Foundations, Frost Protection	Y	MN Amendment adds reference to MN Rules 1303.1600 and adds exception for freestanding buildings per MR 1303.			A				
672		1809.5.1	1809.5.1	Shallow Foundations, Frost Protection at Required Exits		New 2021. <i>Frost protection shall be provided at exterior landings for all required exits with outward-swinging</i>			A				
<b>CHAPTER 19 CONCRETE</b>													
673						MN amendments and changes to Chapter 19 of the IBC that are structural provisions will be addressed by the MN Structural TAG and are not documented by the Commercial Building Code 1305 TAG.			A				
674	1904.3	1904.3	1904.3	Corrosion Protection	Y	Amendment adds subsection. <i>1904.3 Corrosion protection. Where bonded reinforcing and prestressing steel is located in concrete assigned to Exposure Class F3 or Exposure Class C2, the steel shall be protected from corrosion by one of the following methods:</i> 1. Impermeable barrier. 2. Epoxy coating in accordance with ACI 318. 3. Hot dipped galvanizing in accordance with ACI 318.			A				
<b>CHAPTER 20 ALUMINUM</b>													
675						No amendments, no changes			A				
<b>CHAPTER 21 MASONRY</b>													
676						MN amendments and changes to Chapter 21 of the IBC that are structural provisions will be addressed by the MN Structural TAG and are not documented by the Commercial Building Code 1305 TAG.			A				
677	2109.2.4.8	2109.2.4.8: 2109.2.4.8.1 - 2109.2.4.8.9.5	2109.2.4.8: 2109.2.4.8.1 - 2109.2.4.8.9.5	Exterior Finish (Adobe masonry)		2021 IBC Reorganization and new sections for exterior finishes of adobe masonry.			A				
<b>CHAPTER 22 STEEL</b>													
678						MN amendments and changes to Chapter 22 of the IBC that are structural provisions will be addressed by the MN Structural TAG and are not documented by the Commercial Building Code 1305 TAG.			Majority of IBC changes are referenced standards and testing/installation standard requirements	A			
<b>CHAPTER 23 WOOD</b>													
679						MN amendments and changes to Chapter 23 of the IBC that are structural provisions will be addressed by the MN Structural TAG and are not documented by the Commercial Building Code 1305 TAG.							
680	2301.2	same	same as 2021	Dimensions	N	24 IBC added <i>Where dimensions of cross-laminated timber thickness are specified, they shall be deemed to be the actual dimensions.</i>			A				

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681	2303.1	same	same as 2021	General	N	24 IBC added <i>cross-laminated timber</i>			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
682	2303.1.4	same	same as 2021	Cross-laminated timber	N	24 IBC changed Structural glued cross-laminated to cross-laminated.			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
683	2303.2	same	same as 2021	Fire-retardant-treated wood	N	IBC added the <i>ASTM E84 or UL 723 test shall be continued for an additional</i>			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
684			2303.2.1	Alternate fire testing		24 IBC new section. <i>Fire-retardant-treated wood is also 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 E2768, a listed flame spread index of 25 or less and where the flame front does not progress more than 10.5 feet (3200 mm) beyond the centerline of the burners at any time during the test.</i>			A				
685	2303.2.1 - 2303.2.9		2303.2.2 - 2303.2.10			renumbered			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
686	2303.2.3	same	2303.2.4	Fire testing of wood structural panels		21 IBC updated to read. <i>Wood structural panels shall be tested with a ripped or cut longitudinal gap of 1/8 inch (3.2 mm).</i>			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
687		2304.10.1	same as 2021	Fire protection of connections		New in 21 IBC and updated in 24 IBC. <i>Connections used with fire-resistance-rated members and in fire-resistance-rated assemblies of Type IV-A, IV-B, or IV-C construction shall be protected for the time associated with the fire-resistance rating. Protection time shall be determined by one of the following:</i> 1. <i>Testing in accordance with Section 703.2 where the connection is part of the fire resistance test.</i> 2. <i>Engineering analysis that demonstrates that the temperature rise at any portion of the connection is limited to an average temperature rise of 250°F (139°C), and a maximum temperature rise of 325°F (181°C), for a time corresponding to the required fire-resistance rating of the structural element being connected. For the purposes of this analysis, the connection includes connectors, fasteners, and portions of wood members included in the structural design of the connection.</i>			A				
688	2304.10.1 - 2304.10.7	2304.10.2 - 2304.10.8				Renumbering			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
689	T 2304.10.1	T 2304.10.2	same as 2021	Fastening Schedule Table		IBC added multiple options for allowed fasteners within the table. Added three footnotes addressing wind design and fastener material.			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
690	2304.10.5	2304.10.6	same as 2021	Fasteners and connectors...		24 IBC added <i>The coating weight for zinc-coated nails shall be in accordance with ASTM A153 Class D or ASTM A641 Class 3S [1 ounce per square foot (305 g/m2)].</i>			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.

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691	2304.11.1.1	same	same as 2021	Columns (heavey timber)		2024 IBC added <i>Columns shall be continuous or aligned vertically from floor to floor in all stories of Type IV-HT construction.</i>			A				
692	2304.11.3	same	same as 2021	Floors		21 IBC added spaces or with concealed spaces complying with Section 602.4.4.3.			A				
693	2304.11.4	same	same as 2021	Roof decks		21 IBC added spaces or with concealed spaces complying with Section 602.4.4.3.			A				
694	2304.12.2.3	same	same as 2021	Supporting members for permanent appurtenances		21 IBC clarified the expectation to be for Sawn Lumber in buildings			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
695	2304.12.2.4	deleted	deleted	Laminated timbers		IBC deleted			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
696	2304.12.2.5 - 2304.12.7	2304.12.2.4 - 1204.12.4				renumbered			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
697	2304.12.2.4	2304.12.2.5	same as 2021	ventilations beneath balcony or elevated walking surfaces		IBC updated to have weather-exposed surfaces			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
698	2308.1	same	same as 2021	General (conventional light frame construction)		IBC added <i>building of conventional light frame construction not exceeding the story height limitations of Section 2308.2.1.</i>			A				
699	2308.1.1, 2308.1.2	same	2308.3, 2308.5	Portions exceeding limitations. Connectors and fasteners		Relocated			A				
700			2308.2.7	Hillside light-frame construction		2024 IBC new section.			A				
701			2308.3	Portions exceeding limitations.		Relocated			A				
702			2308.4	structural elements or systems not describes herein.		Relocated			A				
703			2308.6 and subsections	Cutting, notching and boring of dimensional wood framing		2024 IBC reorganized existing sections that were located in multiple areas of 2308.			A				
704	2308.3 - 2308.7.14	same	2308.7 - 2308.11.13			renumbered			A				
705	2308.6.1 T	same	2308.10.1	Wall Bracing Requirements	Y	MN amendment to table to reflect wind speed design category in lieu of seismic. Footnotes have been amended for clarity.			Retain amendment. Coordinate with Structural	A			
<b>CHAPTER 24 GLASS AND GLAZING</b>													
706						MN amendments and changes to Chapter 24 of the IBC that are structural provisions will be addressed by the MN Structural TAG and are not documented by the Commercial Building Code 1305 TAG.							
707	2401.1	same	same as 2021	Scope		21 IBC added <i>Light-transmitting plastic glazing shall also meet the applicable requirements of Chapter 26.</i>			A				Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.

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708	2403.3	same	same as 2021	Glass framing		21 IBC added specific dimensional requirements				A			Not reviewed by TAG. Listed for tracking purposes only. Non-substantial or editorial only changes.
709	2405.2	same	same as 2021	Allowable glazing materials and limitations		21 IBC added <i>Laminated glass and plastic materials described in Items 1 and 2 shall not require the screening or height restrictions provided in Section 2405.3.</i>				A			
710	2405.3	same	2405.3 - 2405.3.4	Screening		24 IBC updated section and moved exceptions to separate new subsections.			review updated sections	A			
711	2406.1	same	same as 2021	Human impact loads		24 IBC added glazing to include <i>glass mirrors, single panes of glass, laminated glass and panes in multipane glass assemblies,</i>				A			
712	2406.4.3	same	same as 2021	Glazing in windows		24 IBC added or above <i>adjacent walking surface</i> . Also changed the height above grade to 8 feet in exception 3.				A			
713	2407.1.1	same	same as 2021	Loads (glass in handrails and guards)		2024 IBC added <i>Calculated stresses for the loads specified in Section 1607.9 shall be less than or equal to 3,000 pounds per square inch (20.7 MPa) for heatstrengthened glass and less than or equal to 6,000 pounds per square inch (41.4 MPa) for fully tempered glass.</i>				A			
714	2407.1.2	same	same as 2021	Guards with structural glass balusters		2021 IBC updated the balusters, to include <i>whether vertical posts, columns or panels</i>				A			
<b>CHAPTER 25 GYPUSM PANEL PRODUCTS AND PLASTER</b>													
715	multiple	multiple	multiple			The term <i>gypsum board</i> has been updated across the entire section to now be <i>gypsum panel product</i>				A			
716	2510.6	same	same as 2021	water-resistive barriers		2021 IBC updated requirements with two new subsections. 2024 IBC added an exception for condensaion or freezing.				A			
717		2510.6.1	same as 2021	dry climates		2021 IBC new section. Content is the same as previous.				A			
718		2510.6.2	same as 2021	moist or marine climates		2021 IBC new section. Content is similar as previous with additional standards.				A			