

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		
84	404.1	404.1	404.1	General (Atriums)	N	2021 IBC reworded this section to include an exception to openings permitted by Section 712.	N	N		A			
85	404.5	404.5	404.5	Smoke control, exceptions	N	2021 IBC added a 2nd exception where only the two lowest levels are open to the atrium a smoke control system is not required. 2. A smoke control system is not required for atriums connecting more than two stories when all of the following are met: 2.1. Only the two lowest stories shall be permitted to be open to the atrium . 2.2. All stories above the lowest two stories shall be separated from the atrium in accordance with the provisions for a shaft in Section 713.4.	N	N	Updates to when a smoke control system is required.	A			
86	404.6	404.6	404.6	Enclosure of atriums, exceptions	N	2021 IBC added 2 exceptions to clarify openings associated with escalators and exit access stairways. 5. A horizontal assembly is not required between the atrium and openings for escalators complying with Section 712.1.3. 6. A horizontal assembly is not required between the atrium and openings for exit access stairways and ramps complying with Item 4 of Section 1019.3. 2024 IBC amended item 4 to clarify other than in groups I-2 and group I-1, added item 5 for conditions allowed in groups I-2 and I-1. Renumbered exceptions. 4. In other than Group I-2 and Group I-1, Condition 2, a fire barrier is not required between the atrium and the adjoining spaces where the atrium is not required to be provided with a smoke control system. 5. In Group I-2 and Group I-1, Condition 2, a fire barrier is not required between the atrium and the adjoining spaces, other than care recipient sleeping or treatment rooms, for up to three stories of the atrium provided that such spaces are accounted for in the design of the smoke control system and do not provide access to care recipient sleeping or treatment rooms.	N	N	Updates for Groups I-1 and I-2 and horizontal assembly requirements.	A			
87	404.9.1, 404.9.2, 404.9.3	404.9	404.9	Exit access travel distance	N	2021 IBC removed these 3 sections and simply pointed to compliance with section 1017 for exit access	N	N		A			

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88		404.10	404.10	Exit stairways in an atrium	N	2021 IBC added 5 conditions to allow an interior exit stair in an atrium. 2024 IBC added a 6th conditions for compliance with 1028.1 [BE] 404.10 Exit stairways in an atrium. Where an atrium contains an interior exit stairway all the following shall be met: 1. The entry to the exit stairway is the edge of the closest riser of the exit stairway. 2. The entry of the exit stairway shall have access from a minimum of two directions. 3. The distance between the entry to an exit stairway in an atrium and the entrance to a minimum of one exit stairway enclosed in accordance with Section 1023.2 shall comply with the separation required by Section 1007.1.1. 4. Exit access travel distance shall be measured to the closest riser of the exit stairway. 5. Not more than 50 percent of the exit stairways shall be located in the same atrium . 6. The discharge from the exit stairway at the level of exit discharge shall comply with Section 1028.1.	N	N	Review and discuss the added conditions	A				
89	404.10	404.11	404.11	Interior exit stairway discharge	N	2021 IBC reworded section simply allowing compliance with 1028 for exit discharge.	N	N		A				
6	202	202	202	Revised in 2021 IBC	N	2021 revised the definition for Atrium . [BG] ATRIUM. An opening A vertical space that is closed at the top, connecting two or more stories other than enclosed stairways, elevators, hoistways, escalators, plumbing, electrical, air conditioning or other equipment, which is closed at the top and not defined as a mall. Stories, as used in this definition, do not include balconies within assembly groups or mezzanines that comply with Section 505 .in Group I-2 and I-3 occupancies or three or more stories in all other occupancies.			Review new language					
90	406.2.1	406.2.1	406.2.1	Automatic garage door operators and vehicular gates	N	2024 IBC changed 'opener' to 'operator'	N	N	no material change	A				
91	406.2.4	406.2.4	406.2.4	Floor Surfaces	Y	2020 MBC amendment exception 3 currently in place allowing absorbant floor surfaces in non-public garages. Unoccupied portions of nonpublic parking garages shall not be required to be nonabsorbent. 2021 IBC deleted exception for non sloped surfaces in S-2 parking garages.2. Floors of Group S-2 parking garages shall not be required to have a sloped surface.	N	N	Retain amendment. (Need to renumber with deletion and MN amendment.)	A				(Need to renumber with deletion and MN amendment.)
92	406.2.7	406.2.7	406.2.7	Electric vehicle charging stations and systems	N	2021 IBC amended to include systems in the title and to direct accessibility compliance to section 1108 specifically	N	N	No material change. Note: Verify section for compliance in Accessibility code (2024 and 2021 don't match and 2024 doesn't list it as a change)	A				Verify section for compliance in Accessibility code (2024 and 2021 don't match and 2024 doesn't list it as a change)

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93	406.5.5	406.5.5	406.5.5	Area and height increases	N	2021 IBC altered the language and replaced 'accessible' to 'with access'	N	N	no material change	A			
94	406.5.7	406.5.7	406.5.7	Means of egress	Y	2020 MBC amendment clarifies the requirements for two exits stairways and deletes the allowance for a lift to be permitted. <i>406.5.7 Means of egress. Where persons other than parking attendants are permitted, open parking garages shall meet the means of egress requirements of Chapter 10. Where no persons other than parking attendants are permitted, there shall not be less than two 36-inch wide (914 mm) exit stairways.</i>	N	N	Retain amendment.	A			
95		406.6.4, 406.6.4.1, 406.6.4.2, 406.6.4.3, 406.6.4.3.1, 406.6.4.4	406.6.4, 406.6.4.1, 406.6.4.2, 406.6.4.3, 406.6.4.3.1, 406.6.4.4	Mechanical access enclosed parking garages	N	2021 IBC added 6 sections to address this type of garage. <i>406.6.4 Mechanical-access enclosed parking garages. Mechanical-access enclosed parking garages shall be in accordance with Sections 406.6.4.1 through 406.6.4.4. 406.6.4.1 Separation. Mechanical-access enclosed parking garages shall be separated from other occupancies and accessory uses by not less than 2-hour fire barriers constructed in accordance with Section 707 or by not less than 2-hour horizontal assemblies constructed in accordance with Section 711, or both. 406.6.4.2 Smoke removal. A mechanical smoke removal system, installed in accordance with Section 910.4, shall be provided for all areas containing a mechanical-access enclosed parking garage. 406.6.4.3 Fire control equipment room. Fire control equipment, consisting of the fire alarm control unit, mechanical ventilation controls and an emergency shutdown switch, shall be provided in a room located where the equipment is able to be accessed by the fire service from a secured exterior door of the building. The room shall be not less than 50 square feet (4.65 m2) in area and shall be in a location that is approved by the fire code official. 406.6.4.3.1 Emergency shutdown switch. The mechanical parking system shall be provided with a manually activated emergency shutdown switch for use by emergency personnel. The switch shall be clearly identified and shall be in a location approved by the fire code official. 406.6.4.4 Fire department access doors. Access doors shall be provided in accordance with Section 3206.7 of the International Fire Code.</i>			Review and discuss added language	A			
56	311.3	311.3	311.3	Low hazard storage Group S-2	N	2021 IBC changed 'parking' garages to 'public' parking garages.	N	N	updated use groups	A	tabled		Guth remove the term public to apply this to parking garages. Norman address this in Section 406.

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57			311.3.1	Public parking garages		2021 IBC added section to direct compliance with sections in 406	N	N	no material change	A	tabled			Guth remove the term public to apply this to parking garages. Norman address this in Section 406.
59			312.2	Private garages and carports		2021 IBC added section to direct compliance with section 406.3	N	N	no material change	A	tabled			review with items 56 and 57.
96	407.2.1	407.2.1	407.2.1	IBC Waiting and Similar Areas / MBC Spaces open to the corridor	Y	2020 MBC amendment changes the category and base language. Criteria items are generally the same. Amendment changes the requirement for fire detection to smoke detection.	N	N	Retain amendment. 2020 TAG concensus was to keep the existing amendment, as it matches MDH					
97	407.2.6	407.2.6	407.2.6	Nursing home cooking facilities	N	2021 IBC removed criterias 4, 7-11 from this section, added new direction to section created for domestic appliances	N	N	no material change, sections and content rearranged	A				
98		407.2.7	407.2.7	Domestic cooking appliances	N	2021 IBC added this section to specifically address domestic cooking appliances in nursing homes, items taken from previous code requirements	N	N	no material change, sections and content rearranged	A				
99		407.3.1.1	407.3.1.1	Door construction	N	2021 IBC added new section with specific requirements and allowances for corridor doors. <i>407.3.1.1 Door construction. Doors in corridors not required to have a fire protection rating shall comply with the following:</i> 1. Solid doors shall have close-fitting operational tolerances, head and jamb stops. 2. Dutch-style doors shall have an astragal, rabbet or bevel at the meeting edges of the upper and lower door sections. Both the upper and lower door sections shall have latching hardware. Dutch-style doors shall have hardware that connects the upper and lower sections to function as a single leaf. 3. To provide makeup air for exhaust systems in accordance with Section 1020.7, Exception 1, doors are permitted to have louvers or to have a clearance between the bottom of the door and the floor surface that is 2/3 inch (19.1 mm) maximum.	N	N	Review and discuss new language	A				
100	407.4.4.1	407.4.4.1	407.4.4.1	Exit access throught care suites	N	2021 IBC deleted the allowance for a second exit access to pass throught an adjacent care suite.	N	N	Allowance for exiting throught a care suite is rearranged into changes to other sections. 407.4.4.3. See following sections	A				

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101	407.4.4.3	407.4.4.3	407.4.4.3	Access to corridor	N	2021 IBC added required exit from care suite to be to corridor or horizontal exit. Removed the limitation of 3 doors. Also requires second exit to be to a corridor or exit or adjacent suite. And removed additional exiting distance when smoke detection is provided. <i>407.4.4.3 Access to corridor. Every care suite shall have a door leading directly to an exit access corridor or horizontal exit. Movement from habitable rooms within a care suite shall not require passage through more than three doors and 100 feet (30 480 mm) distance of travel within the of travel within the care suite to a door leading to the exit access corridor or horizontal exit. Where a care suite is required to have more than one exit access door by Section 407.4.4.5.2 or 407.4.4.6.2, the additional door shall lead directly to an exit access corridor, exit or an adjacent suite. Exception: The distance of travel shall be permitted to be increased to 125 feet (38 100 mm) where an automatic smoke detection system is provided throughout the care suite and installed in accordance with NFPA 72.</i>	N	N	Recommend to repeal amendment and follow new model code language. Review this section for alignment with current MN amendments 407.4.4.5.2.1, 407.4.4.5.2.2, 407.4.4.6.2.1 to address exits directly to corridors.				
102			407.4.4.4	Circulation paths within a care suite		2024 IBC added new section for required width of circulation paths [BE] <i>407.4.4.4 Circulation paths within a care suite. The circulation paths within a care suite providing the access to doors required in Section 407.4.4.3 shall have a minimum width of 36 inches (914 mm) and shall not be required to meet the requirements for a corridor or an aisle .</i>	N	N	clarification for circulation elements verses corridors.	A			
103	407.4.4.4 - 407.4.4.6.2	407.4.4.4 - 407.4.4.6.2	407.4.4.5 - 407.4.4.7.2		Y	2024 IBC sections renumbered	N	N	renumbered	A			
104	407.4.4.5.1	407.4.4.5.1	407.4.4.6.1	Area	Y	2020 MBC amendment reorganized for clarity and added item 2 for consistency with visual supervision required by MDH and NFPA 101. 2024 IBC renumbered the section 2. <i>The arrangement of sleeping rooms within the care suite allows for continuous visual supervision by care providers. Glass walls and cubical curtains shall be permitted for visual supervision.</i>	N	N	Retain amendment. Coordinate with IFC.	A			
105	407.4.4.5.2	407.4.4.5.2	407.4.4.6.2	Exit access	Y	2020 MBC amended section to provide two subsections. 2024 IBC renumbered. <i>407.4.4.5.2.1 Two means of egress. For suites requiring two means of egress, one means of egress from the suite shall be directly into a corridor or exit. 407.4.4.5.2.2 Travel distance. Travel distance within a sleeping suite to an exit access door shall not exceed 100 feet (30 480 mm). Travel distance within a sleeping suite to an exit shall not exceed 200 feet (60 960 mm).</i>	N	N	Review with new 2021 IBC section 407.4.4.3, item 101.				

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106	407.4.4.5.2.1			Two means of egress	Y	2020 MBC added section to require one exit directly to a corridor. <i>See code language in item 105</i>	N	N	Review with new 2021 IBC section 407.4.4.3, item 101.				
107	407.4.4.5.2.2			Travel distance	Y	2020 MBC added section to align with MDH and NFPA 101 compliance <i>See code language in item 105</i>	N	N	Review with new 2021 IBC section 407.4.4.3, item 101.				
108	407.4.4.6.1	407.4.4.6.1	407.4.4.7.1	Area	Y	*Not noted as amendment* 2020 MN retained the suite size at 10,000 square feet (2015 IBC updated to 12,500 SF) 407.4.4.6.1 Area. <i>Care suites of rooms, other than sleeping rooms, shall have an area not greater than 10,000 square feet (929 m2).</i>	N	N	Retain amendment	A			
109	407.4.4.6.1	407.4.4.6.1	407.4.4.7.1	Area, exception	Y	2020 MBC deleted the exception to allow suite size to increase to 15,000 SF with smoke detection system. To align with MDH and NFPA 101 compliance. Exception- Care suites not containing sleeping rooms shall be permitted to be not greater than 15,000 square feet (1394 m2) in area where an automatic smoke detection system is provided throughout the care suite in accordance with Section 907.	N	N	Retain amendment	A			
110	407.4.4.6.2	407.4.4.6.2	407.4.4.7.1	Exit access	Y	2020 MBC added sentence to require one exit directly to a corridor. 407.4.4.6.2 Exit access. <i>Care suites, other than sleeping rooms, with an area of more than 2,500 square feet (232 m2) shall have not fewer than two exit access doors from the care suite located in accordance with Section 1007. At least one exit access shall be directly to a corridor or exit.</i>	N	N	Review with new 2021 IBC section 407.4.4.3, item 101.				
111	407.4.4.6.2.1			Travel distance	Y	2020 MBC added section to align with MDH and NFPA 101 compliance 407.4.4.6.2.1 Travel distance. <i>Travel distance within a non-sleeping suite to an exit access door shall not exceed 100 feet (30 480 mm). Travel distance shall not exceed 200 feet (60 960 mm) from any point in a non-sleeping suite to an exit.</i>	N	N	Review with new 2021 IBC section 407.4.4.3, item 101.				
112	407.5.1	407.5.1	407.5.1	Smoke compartment size, exception 1 and 2	Y	2020 MBC deleted two exceptions for larger smoke compartment size allowances. Consistency with MDH and NFPA 101	N	N	Retain amendment.	A			

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113		407.6.1	407.6.1	Activation of automatic closing doors	N	2021 IBC added this section with more specifics for the operations of the automatic closing of the doors. <i>407.6.1 Activation of automatic-closing doors. Automatic-closing doors on hold-open devices in accordance with Section 716.2.6.6 shall also close upon activation of a fire alarm system, an automatic sprinkler system, or both. The automatic release of the hold-open device on one door shall release all such doors within the same smoke compartment.</i>	N	N	Added language for activation requirements	A			
114	408.7	408.7	408.7	Security glazing	Y	2020 MBC carried forward existing amendment which adds 2 hour fire barriers when used as a horizontal exit to the wall types applicable to this section. Item 1 is amended for glazing in door assemblies. Item 2 adds an exception permitting the use of wire glass. Item 5 is added to clarify the 25% limitation is not applicable. <i>408.7 Security glazing. In in Group I-3 occupancies, windows and doors in 1-hour fire barriers constructed in accordance with Section 707; 2-hour fire barriers constructed in accordance with Section 707 used for horizontal exits; fire partitions constructed in accordance with Section 708; and smoke barriers constructed in accordance with Section 709 shall be permitted to have security glazing installed provided that the following conditions are met. 1. Individual panels of glazing in door assemblies shall not exceed 1,296 square inches (0.84 m2). 2. The glazing shall be protected on both sides by an automatic sprinkler system. The sprinkler system shall be designed to, when actuated, wet completely the entire surface of any glazing affected by fire. Exception: Fire partitions or smoke barriers with 1/4-inch (6.4 mm) wire glass in a security glazing assembly. 3. The glazing shall be in a gasketed frame and installed in such a manner that the framing system will deflect without breaking (loading) the glass before the sprinkler system operates. 4. Obstructions such as curtain rods, drapery traverse rods, curtains, drapes, or similar materials shall not be installed between the automatic sprinklers and the glazing. 5. Security glazing in fire partitions, 1-hour fire barriers enclosing fire command centers, and smoke barriers, shall not be limited to 25 percent of the area of the common wall with any room.</i>	N	N					
115	408.9	408.9	408.9	Windowless buildings	Y	2020 MBC carried forward existing amendment which adds the occupant load greater than 50.	N	N	Retain amendment				
116	410.2.1.1	410.2.1.1	410.2.1.1	Stage height and area	N	2024 IBC added the language 'to the underside' for measurement direction	N	N	no material change	A			

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117	410.2.4	410.2.4	410.2.4	Proscenium wall	N	2024 IBC added exception to allow wall to extend from floor to floor with type 1 construction	N	N	not significant change	A				
118	410.4.1, 410.4.2	410.4.1, 410.4.2	410.4.1, 410.4.2	Separation	N	2024 IBC changed the word 'appurtenant' to 'contiguous'	N	N	no material change	A				
119	410.5.3.2	410.5.3.2	410.5.3.2	Exit access travel distance	N	2024 IBC added 'automatic' to sprinkler system	N	N	no material change	A				
120	410.6	410.6	410.6	Automatic sprinkler system	N	2024 IBC added an exception that cat walks are not required to be sprinklered in accordance with NFPA 13 system	N	N	not significant change	A				
121	410.7	410.7	410.7	Standpipes	Y	2020 MN ammendment 'not required': 2024 IBC deleted this section	N	N	Repeal ammendment and keep deletion with 2024 IBC	AM				
122	411	411	411	Special amusement areas	N	2021 IBC changed the name to remove 'buildings' and call these occupancies 'areas', this results in changes to each section. Also changes across section between fire and smoke alarms, and added a puzzle room section. 2024 IBC significantly organized section and updated detection and alarm sections, removed puzzle rooms that were added in 2021 IBC.			Entire section significantly updated in 2021 and again in 2024. No MN ammendments in place. Recommend to keep changes as in 2024.	A				
123	413.3			Fire protection of floors	Y	2020 MN ammendment for requiring fire protection of floors in accordance with 420.12. 413.3 Fire protection of floors. In addition to the requirements of this section, the fire protection of floors in Groups I-1, R-1, R-2, R-3, and R-4 occupancies shall comply with the requirements of Section 420.12.	N	N	retain ammendment. Verify section reference with new items in section 420.	A				
124	414.1	414.1	414.1	General	N	2024 IBC reworded. Added and exemption per Table 307.1.1	N	N	no material change, incorporates table reference.	A				
125	414.1.2.1, 414.2.5.3	414.1.2.1, 414.2.5.3	414.1.2.1, 414.2.5.3	Aerosol products	N	2021 IBC added terms to aerosol products to include aeorsol cooking sprays products and plastic aerosol 3 products	N	N	no material change	A				
126	414.2.3	414.2.3	414.2.3	Number	N	2021 IBC added the language; <i>for the purposes of determining the number of control areas within a building, each portion of a building separated by one or more fire walls complying with section 706 shall be considered a separate building</i>	N	N	Clarifying language for defining buildings.	A				
127	414.2.4	414.2.4	414.2.4	Fire resistance rating requirements	Y	2020 MBC ammendment deleted model code language and exceptions allowing the floor assembly reduction to 1 hour.	N	N	retain ammendment	A				
128	414.2.5	414.2.5	414.2.5	Hazardouse material in Group M display and storage areas and in Groups S storage areas	N	2024 IBC updated section references	N	N	no material change	A				
129	T 414.2.5(1), T 414.2.5(2)	T 414.2.5(1), T 414.2.5(2)	T 414.2.5.1, T 414.2.5.2	Tables	N	2021 IBC updated footnotes. 2024 IBC renumbered tables and changed oxidizer quantiies.	N	N	no material change					
130			414.2.5.4, T 414.2.5.4	Flammable gas	N	2024 IBC added section and assocaiated table for flammable gas	N	N	updated to incorporate new flamable gas catergories added with code cycle	A				
131	414.2.6			Hazardous materials above the third floor in laboratories in Group B E and I-2 occupancies	Y	2020 MN specific section for Group B, E and I-2 laboratories.	N	N	Retain ammendment	A				

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18		304.4	304.4	Higher education laboratories		2021 IBC added section to point to compliance with section 428 304.4 <i>Higher education laboratories. Higher education laboratories shall comply with Section 428.</i>	N	N	no material change	A	Tabled			Need additional information and provide a CCP on removing this from the list or coordinate with other MN specific provisions. Clayton to follow up. IMC 1346 TAG to be discussing NPFA 45, they will coordinate with us for consistency.
132	T 414.5.1	T 414.5.1	T 414.5.1	Table	N	2021 and 2024 updated table information and footnotes	N	N	no material change	A				
133	415.1	415.1	415.1	General	N	2024 IBC changed the general language to include the occupancy types and not the descriptions of uses	N	N	no material change	A				
134	415.6	415.6.1, 415.6.2, 415.6.3	415.6.1, 415.6.2, 415.6.3	Fire separation distance	N	2021 IBC changed the 3 exceptions to 3 separate code sections for clarity	N	N	no code changes, reorganized	A				
135	415.6.1- 415.6.2.1	415.6.4 - 415.6.5.1	415.6.4 - 415.6.5.1	multiple	N	2021 renumbered	N	N	renumbered					
136	415.6.2, T 415.6.2	415.6.5, T 415.6.5	415.6.5, T 415.6.5	Detached buildings for group H-1, H-2, or H-3 occupancy	N	2021 IBC updated the table reference number. 2021 IBC changed the word 'listed' with 'specified'. Added foot note d, concerning gas rooms. 2024 IBC added foornote e, excluding consumer fireworks.	N	N	not significant change	A				
137	415.11.1.1, T 415.11.1.1.1	415.11.1.1, T 415.11.1.1.1	415.11.1.1 (415.11.1.1.1, 415.11.1.1.2), T 415.11.1.1.1	Hazardous materials. Table, Quantity limits in single fabrication in H-5	N	2024 IBC adds an exception to encompass the deletion of the two subsections, which just point to the table and were redundant to the table. 2021 and 2024 IBC updated quantities to the table. 2021 IBC added foornote f, for water reactive solids	N	N	not significant change	A				
138	415.11.3.5 - end	415.11.4 - end	415.11.4 - end	renumbered	N	2021 IBC renumbered to remove 'emergency alarm systems' 415.11.4 from being a subsection of service corridors (corrected numbering error)	N	N	corrected error	A				
139	415.11.6.4	415.11.7.4	415.11.7.4	Installations in corridors and above other occupancies	N	2024 IBC changed the word 'readily' to 'ready to access'	N	N	no material change	A				
140	415.11.11.3	415.11.12.3	415.11.12.3	Automatic sprinkler locations	N	2024 IBC added 'automatic' to sprinkler system	N	N	no material change	A				
141	419	*	*	Live/work units	Y	2020 MBC deleted entire section. 2021 IBC notes section is relocated.	N	N	Relocated to IBC 508.5	A				
142		419	419	Artificial decorative vegetation	N	2021 IBC adds this new section in it's entirety. Requires compliance with IFC	N	N	update to reference IFC compliance					
143	420.1	420.1	420.1	General	Y	2020 MBC amended the section reference to include added section 420.12	N	N	Retain amendment. Review with new changes for proper section number					
144	420.2	420.2	420.2	Separation walls	N	2024 IBC adds the language 'walls separating dwelling units from sleeping units in the same building'	N	N	Clarifying language for separation requirements	A				
145	420.3	420.3	420.3	Horizontal separation	N	2024 IBC adds the language 'floor assemblies separating dwelling units from sleeping units in the same building'	N	N	Clarifying language for separation requirements	A				
146	420.7	420.7	420.7	Group I-1 assisted living housing units	Y	2020 MBC charging language similar to IBC, 2021/24 IBC incorporates italics that are missing from 2020 MBC. 2020 MBC amended items 3,4 and 5 to change from 'automatic fire detection' to 'automatic smoke detection'.	N	N	Retain amendment. Keep changes to items 3,4 and 5. Add italics for definition references.	A				

New Changes in the 2024 International Code TAG Review Worksheet

Model Code: 2024 IBC

Minnesota Rule 1305											To be completed by TAG			
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					Y or N		N=None, L=Low M=Med, H=High	Y or N				Y or N		
147	420.8	420.8	420.8	Group I-1 cooking facilities	N	2021 IBC changes to add 'shall be permitted to be open to the corridor', eliminating section 420.8.1. Items 3, 5-9 are relocated to new section 420.9 addressing domestic cooking appliances.	N	N	Reorganization for new section	A				
148		420.9	420.9	Domestic cooking appliances	N	2021 IBC added new section replacing those removed from above section	N	N	No material change, new section	A				
149	420.9 - 420.11	420.10 - end	420.10 - end	renumbered	Y	2021 IBC rennumbers due to added 420.9 section on domestic cooking appliances	N	N	renumbered	A				
150	420.10	420.11	420.11	Group R-2 congregate living, cooking facilities	Y	2020 MBC amended this section to address congregate living facilities and not only dormitories	N	N	Retain amendment Review for proper section number	A				
151	420.10.1	420.11.1	420.11.1	Cooking appliances	Y	2020 MBC limits section to installed appliances and not all appliances.	N	N	Retain amendment Review for proper section number	A				
152	420.11			Group R-3 and R-4 durability	Y	2020 MBC specific section for durability requirements that are otherwise located in the MRC.	N	N	Retain amendment Review for proper section number	A				
153	420.12			Fire protection of floors	Y	2020 MBC added to include floor protection requirements	N	N	Retain amendment Review for proper section number	A				
154		422.7	422.7	Domestic cooking - ambulatory care	N	2021 IBC adds new section similar to sections added in 420.9 and 407.2.7 for domestic cooking appliances	N	N	no material change, new section	A				
155	423.1	423.1	423.1	General	N	2021 IBC added 'this section specifies where storm shelters are required and provides requirements for the design and construction of strom shelters'. 2024 IBC adds the word 'design and construction of' and 'and other severe windstorms'	N	N	no material change	A				
156	423.2	423.2	423.2	Construction	N	2021 IBC adds reference to be design to 'this code' and ICC 500. Adding <i>Any storm shelter not required by this section shall be permitted to be constructed, provided that such structures meet the requirements of this code and ICC 500.</i>	N	N	no material change	A				
157		423.3	423.3	Occupancy classification	N	2021 IBC new section for occupancy classification to be in accordance with this section	N	N	new section for determining occupancy classification of the storm shelter	A				
158		423.3.1	423.3.1	Dedicated storm shelters	N	2021 IBC adds dedicated storm shelters occupied solely as a storm shelter to be A-3 unless meeting an exception. 2024 IBC clarifies using the terms 'the desing occupant capacity' rather than 'occupant load'.	N	N	dedicated storm shelter to be A-3 unless meeting an exception. 2024 IBC clarifies using the terms 'the desing occupant capacity' rather than 'occupant load'	A				
159		423.3.2	423.3.2	Storm shelters within host buildings	N	2021 IBC adds section for occupancy classification to be in accordance with the normally occupied space.	N	N	no significant change					
160	423.3, 423.3.1, 423.3.2	423.4	423.4	Critical emergency operations	Y	2020 MBC adds specific county requirements for storm shelters and creates two subsections for risk catogory and storm shelter requirements. 2021 IBC renumbered	N	N	Retain amendment	A				

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					Y or N		N=None, L=Low M=Med, H=High	Y or N			Y or N		
161			423.4.1	Design occupant capacity	N	2024 IBC added new section for the design occupant load of critical emergency shelter facilities. 423.4.1 <i>Design occupant capacity. The required design occupant capacity of the storm shelter shall include the critical emergency operations on the site and shall be the total occupant load of offices and the number of beds. Exceptions:</i> 1. <i>Where approved by the building official , the actual number of occupants for whom each occupied space, floor or building is designed, although less than that determined by occupant load calculation, shall be permitted to be used in the determination of the required design occupant capacity for the storm shelter .</i> 2. <i>Where a new building is being added on an existing site , and where the new building is not of sufficient size to accommodate the required design occupant capacity of the storm shelter for all of the buildings on the site , the storm shelter shall accommodate not less than the required occupant capacity of the new building.</i> 3. <i>Where approved by the building official , the required design occupant capacity of the shelter shall be permitted to be reduced by the design occupant capacity of any existing storm shelters on the site .</i>			Review new language				
162			423.4.2	Location	N	2024 IBC added new section for the location of storm shelters for critical emergency facilities. 423.4.2 <i>Location. Storm shelters shall be located within the building they serve or shall be located where the distance of travel from not fewer than one exterior door of each building to a door of the shelter serving that building does not exceed 1,000 feet (305 m), unless otherwise approved .</i>	N	N	Review new language				
163	423.4	423.5	423.5	Group E occupancies	Y	2020 MBC adds specific county requirements for group E requiring storm shelters	N	N	Retain amendment	A			

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					Y or N		N=None, L=Low M=Med, H=High	A - Accept R - Reject AM - Amend or Comments	A					
164	423.4.1	423.5.1	423.5.1	Design occupant capacity	N	2021 IBC renumbered section. 2024 IBC changed wording to 'design occupant capacity'. Changed the main language for the design occupant capacity to the the total occupant load of the classrooms, vocational rooms and offices. Deleted the assembly space as required to account for occupant load. New exception added for occupant capacity to be reduced from the total occupant load calculations as approved by the building official. Added the term 'design occupant capacity' to exceptions for clarity.	N	N	Review new language	A				
165	423.4.2	423.5.2	423.5.2	Location	N	2021 IBC renumbered	N	N	no material change	A				
166	424.1, 424.2, 424.4, 424.5	424.1, 424.2, 424.4, 424.5	424.1, 424.2, 424.4, 424.5	Play structures	N	2021 IBC removed the word 'children's' - simply referred to as 'play structures'	N	N	no material change	A				
167	424.2	424.2	424.2	Materials	N	2021 IBC added interior finish requirements for larger play structures	N	N	not significant change	A				
168	424.5	424.5	424.5	Area limits	N	2021 IBC increased the size limitations from 300 SF to 600 SF.	N	N	not significant change	A				
169		424.5.1	424.5.1	Design	N	2021 IBC added structural requirements for larger play structures.	N	N	not significant change	A				
170	426.1	426.1	426.1	General	N	2021 IBC reorganized the compliance requirements between IFC and NFPA	N	N	no material change	A				
171	427.2.2	427.2.2	427.2.2	One-hour interior room	N	2021 IBC reorganized language on the required room or enclosure	N	N	no material change	A				
172	428.3.9	428.3.8	428.3.8	Automatic sprinkler system	N	2021 IBC changed 'fire extinguishing system' to 'sprinkler system'	N	N	no material change	A				
173	429			Group E	Y	2020 MBC MN specific section	N	N	Retain amendment	A				
CHAPTER 5 GENERAL BUILDING HEIGHTS AND AREAS														
174	501.1	501.1	501.1	Scope	Y	2020 MBC added the sentence <i>An existing building plus additions shall comply with the height and area provisions of this chapter.</i>	N	N	Retain amendment	A				
175	503.1.4	503.1.4	503.1.4	Occupiable roofs	N	2021 IBC added the language <i>'An occupied roof shall not be included in the building height or number of stories as regulated by Section 504, provided that the penthouses and other enclosed rooftop structures comply with Section 1511.'</i> 2021 IBC also added a requirement for an emergency voice alarm when required elsewhere in the building. 2024 IBC changed the term from 'occuiped roof' to 'occupiable roof'	N	N		A				

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Minnesota Rule 1305										To be completed by TAG			
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176	503.1.4.1	503.1.4.1	503.1.4.1	Enclosures over occupied roof areas	Y	2020 MBC divided the model code exception into two separate exceptions to break out into numbered exceptions. And added exception 3: <i>Where the occupied roof is considered a story and complies with the requirements of sections 504 and 506.</i> Also, added exception 4: <i>Enclosing walls shall not be limited in height where the occupied roof has access to a standpipe.</i> 2024 IBC changed the term from 'occupied roof' to 'occupiable roof'. And, added an exception 2: <i>Elements or structures enclosing the occupiable roof areas where the roof deck is located more than 75 feet (22 860 mm) above the lowest level of fire department vehicle access.</i>	N	N		A			
177	T 504.3	T 504.3	T 504.3	Allowable building height in feet above grade plane	Y	2020 MBC modified by deleting footnote (d) from all occupancies. Footnote (d) addresses existing buildings. Because this table relates only to new buildings, footnote (d) needs to be deleted to avoid confusion. Amending the text of footnote (d) to "Not used" is reasonable to avoid having to re-letter the remaining footnotes. 2021 IBC added height limits for Type IV - A, B and C.	N	N	Retain amendment	A			
178	504.4	504.4	504.4	Number of Stories	N	2021 IBC add 'above grade plane' for clarity	N	N		A			
179	T 504.4	T 504.4	T 504.4	Allowable number of stories above grade plane	Y	2020 MBC modified by deleting footnote (d) from all occupancies. Footnote (d) addresses existing buildings. Because this table relates only to new buildings, footnote (d) needs to be deleted to avoid confusion. Amending the text of footnote (d) to "Not used" is reasonable to avoid having to re-letter the remaining footnotes. 2021 IBC added number of story limits for Type IV - A, B and C	N	N	Retain amendment	A			
180	T 506.2	T506.2	T 506.2	Allowable area factor in square feet	Y	2020 MBC modified by deleting footnote (d) from all occupancies. Footnote (d) addresses existing buildings. Because this table relates only to new buildings, footnote (d) needs to be deleted to avoid confusion. Amending the text of footnote (d) to "Not used" is reasonable to avoid having to re-letter the remaining footnotes. 2021 IBC added area limitations for Type IV - A, B and C	N	N	Retain amendment	A			
181	506.2.1, 506.2.2, 506.2.3, 506.2.4, 506.2.4.1	506.2.1, 506.2.2, 506.2.2.1	506.2.1, 506.2.2, 506.2.2.1	Single-occupancy buildings	N	2021 IBC revises multiple sections to remove separate calculations for one story buildings. Changing to only single occupancy buildings and mixed occupancy building calculations for each story.	N	N	Simplified.	A			
182	506.3.2, 506.3.3	506.3.2, 506.3.3	506.3.2, 506.3.3	Minimum frontage distance	N	2021 IBC revises frontage increases to remove the equations and calculations, changing to 20 ft open space and utilizing a new table for the amount of increase. 2024 update the table to remove unneeded column.	N	N	Simplified.	A			
183			T 506.3.3	Table frontage increase factor		2021 IBC adds Table for increase factors	N	N	Simplified.	A			

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184			506.3.3.1, T 506.3.3.1	Section 507 buildings		2021 IBC adds new section for frontage increase factors for 507 buildings. 2024 adds that the frontage increase shall be based on the smallest open space and a minimum of 30 feet. 506.3.3.1 Section 507 buildings. Where a building meets the requirements of Section 507, as applicable, except for compliance with the minimum 60-foot (18 288 mm) public way or yard requirement, the area factor increase based on frontage shall be determined in accordance with Table 506.3.3.1. The frontage increase shall be based on the smallest public way or open space that is 30 feet (9144 mm) or greater, and the percentage of building perimeter having a minimum 30 feet (9144 mm) public way or open space.	N	N		A				
185	507.3	507.3	507.3	Nonsprinklered, one-story buildings	N	2024 IBC adds the language for 'any construction type' and 'above grade plane'	N	N	No material change	A				
186	508.8.1.1.1, 508.8.1.1.2	508.8.1.1.1, 508.8.1.1.2	508.8.1.1.1, 508.8.1.1.2	Rooms for flammable or combustible liquid use, dispensing or mixing in open systems, closed systems	N	2021 IBC updates terminology to include rooms for flammable or combustible liquid use, dispensing or mixing in open systems, and closed systems as applicable to each section	N	N	No material change	A				
187	508.1	508.1	508.1	General	Y	2020 MBC deleted the exception referencing live/work units as this section was deleted in it's entirety. 2021 IBC deleted the exception as well. 2021 IBC added compliance with 508.5.	N	N	Repeal amendment, model code has deleted same exception	AM				
188	T 508.4	T 508.4	T 508.4	Table - Required separation of occupancies	N	2021 IBC filled in the values for the previously blank boxes across the table, and updated a footnote for compliance with 406.6.4	N	N	No material change	A				
189	508.4.4.1	508.4.4.1	508.4.4.1	Construction	N	2021 IBC added <i>Mass timber elements serving as fire barriers or horizontal assemblies to separate occupancies in Type IV-B or IV-C construction shall be separated from the interior of the building with an approved thermal barrier consisting of gypsum board that is not less than 1/2 inch (12.7 mm) in thickness or a material that is tested in accordance with and meets the acceptance criteria of both the Temperature Transmission Fire Test and the Integrity Fire Test of NFPA 275.</i> 2024 IBC added Exception: <i>A thermal barrier shall not be required on the top of horizontal assemblies serving as occupancy separations.</i>	N	N	Updates for new Type IV construction	A				
190	419	508.5 - 508.5.11	508.5 - 508.5.11	Live/work units	Y	2020 MBC has deleted entire setion 419. 2021 IBC relocated section 419 to section 508.5. 2024 iBC adds two compliance options based on live/work unit being located in a IBC or IRC building. Clarifies fire protection to be provided based on IBC or IRC compliance.	N	N	Retain amendment and delete these sections.	AM				

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191	T 509	T 509.1	T 509.1	T - Incidental uses	N	2021 IBC updated table number to 509.1. 2021 IBC deleted 'stationary storage battery systems...' from the table. 2024 IBC added 'and provide automatic sprinkler system' to those uses requiring 1 hour separation. 2024 IBC updated sizes of rooms for ambulatory and I-2 waste and linen rooms to 8.67 CF and storage rooms to 50 SF.	N	N	No material change	A			
192			509.4.1.1	Type IV-B and IV-C construction	N	2021 IBC added new section to address new types of construction. 2024 added Exception: <i>The thermal barrier shall not be required on the top of horizontal assemblies serving as incidental use separations.</i>	N	N	Updates for new Type IV construction	A			
193	510.2	510.2	510.2	Horizontal building separation allowance	N	2021 IBC added the language 'that the following conditions are met to an exception. And added item 4 <i>Interior exit stairways located within the Type IA building are permitted to be of combustible materials where the following requirements are met:</i> 4.1. <i>The building above the Type IA building is of Type III, IV, or V construction.</i> 4.2. <i>The stairway located in the Type IA building is enclosed by 3-hour fire-resistance-rated construction with opening protectives in accordance with Section 716.</i> Following items were renumbered due to added item. 2024 IBC Clarifies language in items 1 and 2 for vertical offsets in the horizontal assembly to be constructed as fire barriers and addressed hourly rating. 2024 IBC deleted the occupant load limitation to the Group A occupancies above the horizontal assembly.	N	N	Clarifies stair construction for below the podium and vertical offset conditions.	A			
194	510.3	510.3	510.3	Group S-2 enclosed parking garage with Group S-2 open parking garage above	N	2021 IBC changed the words 'incidental to' to 'associated with'	N	N	No material change	A			
195	510.5	510.5	510.5	Group R-1 and R-2 buildings of Type IIIA construction	N	2021 IBC updated to reference Table 504.3 and to increase by 10 feet and one story from Table 504.4	N	N	No material change	A			
196	510.8	510.8	510.8	Group B or M buildings with Group S-2 open parking garage above	N	2021 IBC clarified language that exit discharge is to be at grade with direct and unobstructed access	N	N	No material change	A			
CHAPTER 6 TYPES OF CONSTRUCTION													
197	T 601	T 601	T 601	Table - Fire resistance rating requirements for building elements	N	2021 IBC added Type IV - A, B and C. Clarified footnote C to include primary structural frame members. Added footnote g: <i>Heavy timber bearing walls supporting more than two floors or more than a floor and a roof shall have a fire resistance rating of not less than 1 hour.</i> 2024 IBC added 'mezzanine' to footnote b.	N	N	Updates for new Type IV construction	A			
198	602.4 -602.4.3	602.4 - 602.4.4.4	602.4 - 602.4.4.4	Type IV	N	2021 and 2024 IBC - entirely new content	N	N	Updates for new Type IV construction	A			

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199	603.1	603.1	603.1	Allowable materials	Y	2021 and 2024 IBC updates: Item 1 and 11: added language to point to 2303.2 for fire retardant treated wood. Item 1.1: added <i>except in shaft enclosures within Group I-2 occupancies and ambulatory care facilities.</i> Item 1.3: Added a second exception to Group I-2, <i>roof construction containing fire-retardant-treated wood shall be covered by not less than a Class A roof covering or roof assembly, and the roof assembly shall have a fire-resistance rating where required by the construction type.</i> Item 21: Changed terms from 'resistant' to 'resistive'. NEW Item 27: <i>Wood nailers for parapet flashing and roof cants.</i> NEW Item 28: <i>Vapor retarders as required by Section 1404.3.</i> 2020 MBC added Item 27: (need to renumber) <i>When not exceeding 48 inches above the roof deck, wood is permitted to be used in roof construction for equipment support, building or roof system joints, skylight or mechanical equipment, curbs, cants, blocking and backing, and for parapet or roof edge construction.</i>	N	N	Need to renumber MN item 27	AM					
200	603.1.2	603.1.2	603.1.2	Piping and plumbing fixtures	N	2024 IBC added 'plumbing fixtures'	N	N	no material change	A					