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Meeting #8 8/15/24

To Be Completed by TAG Leads											TAG Meeting Results					
Item Number	2024 Code and Chapter		2024 Code & Section	2021 Code & Section	2020 MN Code 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	Staff Comment	Staff Recommendation	Recommendations A - Accept Model Code AM - Amend Model Code			Comments
	Code	Chapter											TAG Recommendation	TAG Group Consensus Y or N	Stakeholder Consensus Y or N	
IBC/MR 1305 Chapter 16 - Structural Design																
13-B16	IBC	16	1602.1	1602.1	1602.1	Notations		Changes in 2021 and 2024 E, L, Pg(asd), Pg, V, V _T .	L	L						Table 5/2. Discussed 5/16-Tabled.
16-B16	IBC	16	Table 1604.3	Table 1604.3	Table 1604.3	Deflection Limits		2024, added footnote j, snow load can be taken at .7 design snow for deflection limits.	M	L						Table 5/2. Discussed 5/16-Tabled.
72-B16	IBC	16	1608.2; Figures 1608.2(1) - 1608.2(4)		1608.2; MR 1305.1608.2	Ground Snow Loads	Y	Subsection revised 2024. Figures revised. MN amendment does not reference Figures. Changing reference for loading to ASCE 7 Hazard Tool https://asce7hazardtool.online/ .	H		Coordinate with 1303 and 1309.					Table 5/2. Discussed 5/16-Tabled.
IBC/MR 1305 Chapter 24 - Glass and Glazing																
237-B24	IBC	24	2407.1.1		2407.1.1			2407.1.1 Loads. Glass handrails and guards and their support systems shall be designed to withstand the loads specified in Section 1607.9. Glass handrails and guards shall be designed using a factor of safety of four. 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.								
238-B24	IBC	24	2409.1		2409.1	Glass Walkways		Reorganized to create items 1 and 2. 2409.1 Glass walkways. Glass installed as a part of a floor/ceiling assembly as a walking surface and constructed with laminated glass shall comply with either of the following: 1. ASTM E2751. 2. Load requirements specified in Chapter 16 and approval in accordance with the provisions of Section 104.2.3. Such assemblies shall comply with the fire-resistance rating and marking requirements of this code where applicable.								

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IBC/MR 1305 Chapter 30 - Elevators and Conveying Systems																		
239-B30	IBC	30	3001.6			Structural Design		New section 2024. <i>3001.6 Structural design. All interior and exterior elevators, escalators and other conveying systems and their components shall comply with all applicable design loading criteria in Chapter 16, including wind, flood and seismic loads established in Sections 1609, 1612 and 1613.</i>										
IBC/MR 1305 Chapter 31 - Special Construction																		
240-B31	IBC	31	3103.1.1			Temporary Structures, Extended Period of Service Time		New in 2024. Provides requirements for extensions of service time, including analysis by design pro for adequacy to resist 3103.6 structural loads.										
241-B31	IBC	31	3103.6; 3103.6.1; 3103.6.1.1; T3106.1.1; 3103.6.1.2; T3103.6.1.2; 3103.3.6.1.3; 3103.6.1.4; 3103.6.1.5;			Temporary Structures, Structural Requirements		New in 2024. Section addresses structural requirements for temporary structures, risk categories, structural loads including snow, wind, flood, seismic, ice and tsunami loads.										
242-B31	IBC	31	3103.6.2			Temporary Structures, Foundations		New in 2024. <i>Foundations. Public-occupancy temporary structures shall be permitted to be supported on the ground with temporary foundations where approved by the building official. Consideration shall be given for the impacts of differential settlement where foundations do not extend below the ground or where foundations are supported on compressible materials. The presumptive load-bearing value for public-occupancy temporary structures supported on a pavement, slab on grade or on other collapsible or controlled low-strength substrate soils such as beach sand or grass shall be assumed not to exceed 1,000 pounds per square foot (47.88 kPa) unless determined through testing and evaluation by a registered design professional. The presumptive load-bearing values listed in Table 1806.2 shall be permitted to be used for other supporting soil conditions.</i>										

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243-B31	IBC	31	Section 3114		Section 3115	Intermodal Shipping Containers		Entire section new in 2021, renumbered in 2024. Note a Code Change Proposal via 1305/IBC TAG related to ISCs has no structural changes proposed.										
IBC/MR 1305 Chapter 33 - Safeguards During Construction																		
244-B33	IBC	33	3307.2; 3307.2.1; 3307.2.2; 3307.2.3			Protection of Adjoining Property, Excavation Retention Systems		New section in 2021. 3307.2 Excavation retention systems. Where a retention system is used to provide support of an excavation for protection of adjacent property or structures, the system shall conform to the requirements in Sections 3307.2.1 through 3307.2.3. <i>[BS] 3307.2.1 Excavation retention system design. Excavation retention systems shall be designed by a registered design professional to provide vertical and lateral support.</i> <i>[BS] 3307.2.2 Excavation retention system monitoring. The retention system design shall include requirements for monitoring of the system and adjacent property or structures for horizontal and vertical movement.</i> <i>[BS] 3307.2.3 Retention system removal. Elements of the system shall only be removed or decommissioned where adequate replacement support is provided by backfill or by the new structure. Removal or decommissioning shall be performed in such a manner that protects the adjacent property.</i>										

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MR 1303 Chapter 33 - Minnesota Provisions																			
245-MP					MR 1303.1600	Footing Depth for Frost Protection		Administration and Minnesota Provisions TAG members and Structural TAG members jointly discuss a code change proposal to revise frost depth requirements											7/9 joint meeting with Admin/1303 TAG. Presentation of code change proposal. Extensive discussion. Tabled. Admin/1303 chair Greg Metz asked Structural TAG to develop alternate proposal for consideration. Needs to be simple and provide depths for heated and non-heated buildings and isolated footings. 8/1 TAG members discussed other sources of data, including mean average temperature, to derive an appropriate minimum frost depth. The consensus of TAG members agreed that decreasing the minimum footing depths for heated and semi-heated buildings in some zones is reasonable, and that adding 12" to the depth for unheated structures will provide necessary additional protection. Discussion to refine details of the revision to the code change proposal will continue at future meetings.