

Flood Resistant Design TAG

Meeting Notes

Date: Tuesday, June 22, 2021

Meeting Location: WebEx Event

Call to order:

Greg Metz called the meeting to order at 9:03 AM

Attendance:

TAG Members present: Greg Metz (DLI), Chris Rosival (DLI), Andrea Crabtree Naves (City of Moorhead) Vincent DiGiorno (KOMA Architects & Engineers), Christian Faste (City of Burnsville), Dan Korf (Houston Engineering), and Ceil Strauss (MN DNR)

Guests attending: Amanda Spuckler (DLI), Chad Payment (DLI), Rich Lockrem (DLI), Jeff Lebowski (DLI), Steve Shold (DLI), Elizabeth Tomlinson, and Barbara Conti

1. Call to order

- WebEx instructions/procedures

2. Reviewed Minnesota Statutes, Chapter 13, Data Practices Act, Chapter 13D Open Meeting Law, and Chapter 14, Administrative Procedures Act

3. Reviewed 2018 International Building Code (IBC) and 2018 International Residential Code (IRC) scoping for flood resistant design. Discussion of specific sections is detailed below.

2018 IBC Section 1612

IBC Section 1612.3

TAG members discussed modifying section 1612.3 language to direct code users to local flood hazard maps and any Letter of Map Revision that are adopted into the local flood plain management ordinance. Additional modifications to this section are needed to address communities that have not adopted a map or plan into ordinance.

IBC Section 1612.3.1

TAG members discussed modifying section 1612.3.1 to change “building official” to “authority having jurisdiction” because not all communities with a flood hazard area have a building official. This section is

necessary because there are areas in Zone A where FEMA has not determined flood elevations, floodway, or flood fringe so a study must be done to find the base flood determination.

IBC Section 1612.3.2

TAG members discussed modifying this section for consistency with the requirements of Minnesota Rules, chapter 6120. Chapter 6120 allows work that will not increase the design flood elevation more than 6 inches and no increase in design flood elevation is allowed if the increase in elevation will increase the flood damage potential.

IBC Section 1612.4

TAG members discussed modifying section 1612.4 to change “building official” to “authority having jurisdiction” because not all communities with a flood hazard area have a building official. TAG members also discussed revising item 1.3 to permit dry floodproofing in accordance with ASCE 24 when a building is constructed in compliance with FEMA Technical Bulletin 10-01 or located in a jurisdiction with a FEMA basement exception. The TAG discussed whether item 2 criteria for construction in coastal high-hazard areas and coastal A zones is applicable in Minnesota. A TAG member stated that coastal A zones are in the process of being designated in St. Louis County along Lake Superior.

2018 IRC Section R322

IRC Section R322.1

TAG members discussed modifying this section to replace “flood design plan” with “maps and data adopted by the local authority having jurisdiction.”

IRC Section R322.1.4

TAG members discussed modifying item 1 to include increases in flood stages as a part of base flood elevation determination for consistency with Minnesota Rules, part 6120.5700, subpart 5.

IRC Section R322.1.4.1

TAG members discussed modifying this section to permit dry floodproofing in accordance with ASCE 24 when a building is constructed in compliance with FEMA Technical Bulletin 10-01 or located in a jurisdiction with a FEMA basement exception.

IRC Section R322.1.4.2

TAG members discussed modifying this section for consistency with the requirements of Minnesota Rules, chapter 6120. Chapter 6120 allows work that will not increase the design flood elevation more than 6 inches and no increase in design flood elevation is allowed if the increase in elevation will increase the flood damage potential.

IRC Section 322.1.5

TAG members discussed modifying this section to permit dry floodproofing in accordance with ASCE 24 when a building is constructed in compliance with FEMA Technical Bulletin 10-01 or located in a jurisdiction with a FEMA basement exception.

IRC Section 322.1.6

TAG members discussed that metering equipment is often not placed at or above the design flood elevation. A TAG member stated that FEMA has updated the and clarified their language for utility meter placement. TAG

members also discussed whether replacements for damaged mechanical equipment and system expansions should be elevated above design flood elevation.

Next Meeting:

Date: July 6, 2021

Time: 9:00 AM

Location: WebEx Event

Meeting Adjourned: 10:59 AM

Prepared by: Greg Metz