



*Hand Out from
Pat Painter* 8/10/21

Chief Scott J. Spencer

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Patrick Painter
1100 North Main Street
Nephi UT, 84648

Mr. Painter,

I have reviewed your storage building plans proposed in Mona Utah.

Type of Construction: Type II-B Concrete and Steel Building

Square Footage: 5,000 square feet

Occupancy Type: B/S-1

Storage: Stacked bales of fiber glass insulation

I am not sure what they are referencing as far as added space that would stop your construction. Your building is a mixed occupancy and the S-1 and B occupancies are compatible and require no separation.

Automatic fire sprinklers are not required for this building. International Fire Code (IFC) 903.2.9 indicates that if fire area exceeds 12,000 square feet then it would require fire sprinklers. There are some exceptions, which do not pertain to the proposed use. If the proposed use is determined to have high piled storage then you would be required, but this does not have high piled storage. For example, 5,000 feet would be correct if you were doing a motor vehicle repair garage or a commercial parking garage.

NFPA 13 does not require fire sprinklers. NFPA 13 is the "Standard for the Installation of Sprinkler Systems" IFC Chapter 80 has all the referenced standards and which edition they reference. The IFC is the code, which indicates when fire sprinklers are required. The standard tells you what the requirements are for a fire sprinkler system. NFPA documents being referred to are referenced standards in the IFC. NFPA 10, 13, 13D, 13R, and 24 are all the 2016 editions referenced in the 2018 IFC, which is a state adopted code.

There is no NFPA 13:5.1.3-5.2.1, which talks about size of fire mains. What edition is the requirements referencing? NFPA 13 Chapter 5 talks about "Classification of Occupancies and Commodities". I found NFPA 24 (2010 edition) had 5.1.3 – 5.2.1. The 2016 editions of NFPA 13 and 24 do not have any reference to a 5.1.3. NFPA 24 (2016 edition) has reference to 5.2.1 which is Private Fire Main Service Mains.