

Code Amendment Proposal Application

NH Department of Safety
 Office of the State Fire Marshal
 Board of Fire Control
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 www.nh.gov/safety/divisions/firesafety

APPLICANT INFORMATION

Name:

Chief Paul J. Parisi

Date:

October 21, 2016

Representing:

NH Association of Fire Chiefs

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PROPOSED CODE LANGUAGE

This proposed code amendment (check one):

- Amends (code, edition, section)
- Adopts a new code section (code, edition)
- Repeals (code, edition, section)

Code, Edition, and/or section affected:

NFPA 1 Fire Code 2015 Edition Section 20.11.4.1

You must provide language for review by the Board of Fire Control. Failure to provide language will invalidate the application. Please use the following format to show additions and deletions from the code: Strikethrough = deleted text. Underline and Bold = **New Text** (Right mouse click and/or Ctrl+E to access Strikethrough, Underline, and Bold).

Proposed Language

20.11.4.1 Protection in accordance with **20.11.4** shall not be required where the [building] **unprotected floor** is protected by an approved automatic sprinkler system installed in accordance with **[13-3.1.2] NFPA 13-D**.

Exception 1:

Basement level sprinkler protection covering unprotected floors shall be based on a single sprinkler head flowing at the listed flow and pressure of the head as specified by the manufacturer. Water supply may be the domestic system for up to 10 sprinkler heads.

APPLICATION CRITERIA

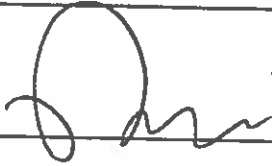
Attach to this application written responses to the following questions. If needed, include in the response an explanation as to why a question does not apply to your proposed code amendment. The Board may reject an incomplete application.

Questions:

1. Is your proposed code amendment necessary to correct any unforeseen or probable outcomes resulting from the application of a code section, and if so, why?
2. Is your proposed code amendment needed to protect the health, safety, welfare, comfort and/or security of occupants and the public, and if so, why?
3. Does your proposed code amendment correct inadequate application by a code section to a method, material, or design, and if so, why?
4. Is your proposed code amendment necessary to correct unique geographic or climatic conditions within New Hampshire, and if so, why?
5. Is your proposed code amendment needed to eliminate conflicting, obsolete, or duplicative code provisions or standards among New Hampshire-adopted codes, statutes, or regulations, and if so, why?
6. Does your proposed code amendment provide for the use of unique or emerging technologies or promote advances in construction methods, devices, materials and techniques, and if so, how?
7. Does your proposed code amendment create any adverse fiscal impact or cost savings for the general public, the construction industry, local and state governments, or small businesses? If so, please describe the added or reduced cost of the proposed code amendment, the adverse fiscal impact or cost savings in relation to the current NH State Fire Code, and any standards of measure used to arrive at the result given.

APPLICANT SIGNATURE

Signature: _____



Date: _____

10/21/2016

Copyright Notice: By signing this proposed code amendment application, I understand and acknowledge that the work contained in this application is original, or if not original, I have the right to copy the work. By signing this work, I understand that any rights I may have in this work, including any form of derivative works and compilations, are assigned to the N.H. Board of Fire Control. I also understand that I do not retain or acquire any rights once this work is used in an NH Board of Fire Control publication.

APPLICATION PROCESSING

The Office of the State Fire Marshal reviews all applications and will determine if the application is in conflict with any existing law or rule. The division will return any application found to be in conflict with any existing statute or rule along with the specific reasons for the returned application.

Not approved: _____ Approved: _____ Approved with modifications _____
Hearing Date: 11-16-16 Voting Date: _____

Chair's Signature: _____ Date: _____

Printed Name: _____

Fire Marshal's Signature: _____ Date: _____

Printed Name: _____

Commissioner's Signature: _____ Date: _____

Printed Name: _____

Supplement to Board of Fire Control Code Amendment – NFPA 1 Fire Code, 2015 Edition
Section 20.11.4.1

1. The amendment is designed to lessen the burden (cost) of the builder while still maintaining the safety of firefighters and occupants during a fire event impacting lightweight, wood framed engineered floor systems.
2. The amendment is a compromise to try and stave off attempts of eliminating all requirements for unprotected, lightweight wood framed engineered floor systems. You will be hearing an amendment from the NH Homebuilder's Association requesting to eliminate any protection from the code. This compromise lessens the cost burden on the building cost while still maintaining the protection of the firefighters and occupants. The elimination of this provision altogether from the code will impact the safety of firefighters and occupants during a fire.
3. No
4. No
5. No. However, this amendment will also be proposed to the 2015 edition of the IRC so the code do not conflict.
6. This amendment is a compromise that uses a common sense approach to protecting lightweight wood frame floor systems rather than using a system designed under NFPA 13D, including the elimination of a tank, pump, and notification system, as long as the domestic system will supply a single head to the manufacturer's specifications for flow and pressure. If it cannot, a supplemental pump and larger supply pipe can be used to achieve the goal of the single head.
7. This proposed amendment reduces the cost of building a dwelling as compared to the existing language in the 2015 edition of NFPA 1. This allows builders, in new construction, to use the domestic water system to feed up to 10 sprinkler heads in a basement to protect the lightweight wood frame floor system, based on the manufacturer's specifications of flow and pressure of a single-head. An area that needed to be covered that would be larger than 10 heads would have to be designed to the NFPA 13D standard.