



**MIKE CAUSEY**  
INSURANCE COMMISSIONER & STATE FIRE MARSHAL

**BRIAN TAYLOR**, CHIEF STATE FIRE MARSHAL

May 9, 2023

Mr. Matthew Conte  
Eleven18 Architecture  
424 East Central Boulevard, Suite 542  
Orlando, FL 32801

**RE: The Springs of Ballentine – Fire Sprinkler  
Fuquay-Varina, NC – Harnett County**

Dear Mr. Conte,

Plans relative to the above-named project received on April 27<sup>th</sup>, 2023 have been reviewed for general compliance with the 2018 North Carolina Building Code and the National Fire Protection Association (NFPA 13) Standard for the Installation of Sprinkler Systems, 2013 edition. Per Chapter 23 of this standard, the following shall be submitted with working plans to perform a complete review.

Please provide a comments letter addressing the following along with updated drawings that have clouded revisions including clouded hydraulic calculations where updates/corrections are made. Please also provide an electronic version of these updated plans on a thumb drive as we are transitioning to electronic plans review, no CDs please.

1. Point of compass is required per NFPA 13, Chapter 23, section 23.1.3 #3.
2. Provide full height cross section, or schematic diagram, including structural member information per NFPA 13, Chapter 23, section 23.1.3 #4.
3. Are there any small enclosures in which no sprinklers are to be installed (near Apothecary 176 & Servery 159?) per NFPA 13, Chapter 23, section 23.1.3 #9.
4. City main in street and whether dead end or circulating: if dead end, direction and distance to nearest circulating main: and city main test results and system elevation relative to test hydrant per NFPA 13, Chapter 23, section 23.1.3 #10.
5. Provide total area protected by each system on each floor per NFPA 13, Chapter 23, section 23.1.3 #14.
6. The head count for the Victaulic V3506 appears to not match the plans (too low). Please confirm. This may also impact Viking head VK3021.
7. The sprinkler head outside rear entry near Electric Room 169 appears to not be the correct symbol for the intended head.

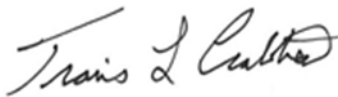
**OFFICE OF STATE FIRE MARSHAL • ENGINEERING**

1202 MAIL SERVICE CENTER | RALEIGH, NC 27699-1202 | Tel 919.647.0000 | Fax 919.715.0067

8. The symbol for the heads provided in Activity 162 and Lobby 110 are not listed in the Sprinkler head legend.
9. Provide cut sheets for inspectors' test connections per NFPA 13, Chapter 23, section 23.1.3 #23.
10. Show location of the inspectors' test valve on the plan view.
11. Provide cut sheets and location for alarm bells per NFPA 13, Chapter 23, section 23.1.3 #26.
12. Provide material and weights with regard to point of connection to city main, types and locations of valves, valve indicators, regulators, meters, and valve pits, and the depth that the top of the pipe is laid below grade per NFPA 13, Chapter 23, section 23.1.3 #28.
13. Provide provisions for flushing the underground private main per NFPA 13, Chapter 23, section 23.1.3 #29.
14. Provide calculations of loads for sizing and details of any sway bracing per NFPA 13, Chapter 23, section 23.1.3 #39.
15. Provide cut sheets for the wet and dry system pressure gages.
16. Provide cut sheets on backflow preventer per NFPA 13, Chapter 23, section 23.1.3 #41.
17. Provide size and location of fire hydrants, showing size and number of outlets. Static and residual hydrants were used shall be shown that were used in water flow test per NFPA 13, Chapter 23, section 23.1.3 #43
18. Provide cut sheets to include size, location and piping arrangement of the remote fire department connection (FDC) per NFPA 13, Chapter 23, section 23.1.3 #44.

Final approval is pending resolution of the above listed items. Approval was given on May 5, 2023 to issue footing, foundation and shell permits. We will await further information from you concerning this project.

Sincerely,



Building and Fire Code Consultant

TLC

CC: Harnett County