

Annual Fire Pump Inspection Report

Facilities Services Life Safety Shop 501 919-843-8997

Table with columns for Building Name, Location, Tech, License#, Date, Fire Pump Data, Electric Motor Data, Fire Pump Controller Panel Data, Jockey Pump Controller Data, and a detailed flow table with columns for Utility, No Load Voltage, Generator Transfer Time, and Generator.

COMMENTS: See 2007 NFPA 20 A.14.2.7.4 for the AHJ's Laws used for the pressure correction to the rated speed of the fire pump

GENERAL NOTES:

- 1. THE WORK TO BE DONE UNDER THIS CONTRACT SHALL CONSIST OF THE INSTALLATION OF NEW SPRINKLER HEADS AND MODIFYING PIPING AS NECESSARY TO ACCOMMODATE THE RENOVATION.
2. THIS CONTRACTOR IS TO INCLUDE ALL PIPING, PIPE FITTINGS, AND ALL PARTS OF THE SPRINKLER SYSTEM TO RELOCATE BRANCH PIPING AND ADD NEW HEADS WHERE SHOWN ON THE PLANS.
3. THIS CONTRACTOR SHALL SUBMIT THE SYSTEMS TO TESTS AS REQUIRED BY THE NFPA CODE.
4. THE SPRINKLER CONTRACTOR SHALL BE LICENSED FOR SPRINKLER WORK.
5. ANY SHUTDOWNS AS MAY BE REQUIRED TO DRAIN, CAP, OR INSTALL NEW PIPING AND SPRINKLERS SHALL BE COORDINATED WITH THE UNIVERSITY.
6. EXISTING SPRINKLER SYSTEM SHALL REMAIN OPERATIONAL UNTIL THE REPLACEMENT HEADS ARE TO BE INSTALLED.
7. SPRINKLER CONTRACTOR SHALL COORDINATE INSTALLATION WITH OTHER TRADES, SPECIFICALLY MECHANICAL, TO INSTALL BRANCH PIPING SO THAT IT DOES NOT INTERFERE WITH ACCESS TO VALVES, CONTROLS, MANUAL OR AUTOMATIC DAMPERS, ETC.
8. CONTRACTOR SHALL SUBMIT AND RECEIVE APPROVAL OF WORKING DRAWINGS PRIOR TO START OF WORK.
9. IT IS THE INTENT THAT THE FACILITY WILL CONTINUE TO BE OCCUPIED THROUGHOUT THE RENOVATION.
10. NOISE AND DUST GENERATING ACTIVITIES SHALL BE KEPT TO A MINIMUM.

SYSTEM PERFORMANCE REQUIREMENTS:

- THE SPRINKLER SYSTEM MODIFICATIONS SHALL BE DESIGNED ACCORDING TO:
A) SPRINKLER SYSTEM OCCUPANCY HAZARD CLASSIFICATION: ORDINARY HAZARD GROUP
B) MINIMUM DENSITY REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM HYDRAULIC DESIGN: (1) 0.15 GPM/SQ. FT. OVER 1500 SQ. FT. AREA.
C) MAXIMUM SPRINKLER SPACING: 130 SQ. FT./SPRINKLER (12 SQ. FT. SPRINKLER).
D) MAXIMUM WATER VELOCITY: 20 FEET PER SECOND (6.1 M/S). MAXIMUM WATER VELOCITY OF PIPE SEGMENTS IN WHICH WATER FLOW SWITCHES ARE INSTALLED SHALL NOT EXCEED 18 FEET PER SECOND.
E) HOSE STREAM ALLOWANCE: 500 GPM (PER ORIGINAL SPRINKLER DESIGN).
F) ENGINEER WILL PROVIDE CONTRACTOR WITH FIRE PUMP TEST RESULTS WHERE HYDRAULIC CALCULATIONS ARE REQUIRED. HYDRAULIC CALCULATIONS SHALL BE COMPLETED IF FLEXIBLE PIPE CONNECTORS ARE UTILIZED OR WHERE MODIFICATIONS INCREASE THE DESIGN DENSITY OF THE EXISTING SYSTEM.

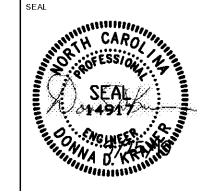
SPRINKLER LEGEND

Legend defining symbols for Piping and Devices, Other Trades, Ceiling Mounted Devices, and General notes. Includes symbols for existing and new quick response sprinklers, various pipe types, and occupancy sensors.

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Table with 2 columns: Item, Description. Lists items FP001, FP107, and FP108 with their corresponding sheet titles.



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