

1. ALL WORK WILL COMPLY WITH ALL APPLICABLE LOCAL AND STATE CODES, AND NFPA 13 STANDARDS.
2. SPRINKLER SYSTEMS TO BE HYDRAULIC CALCULATED AND DESIGNED PER NFPA 13, 2016.
3. WET PIPE FIRE SPRINKLERS SHALL BE PROVIDED THROUGHOUT THE BUILDING.
4. IDENTIFICATION SIGNS TO BE INSTALLED NFPA STANDARDS.
5. HANGER MATERIALS AND SPACING SHALL MEET NFPA 13 STANDARDS.
6. ALL ELECTRICAL, PUMP AND WARNING DEVICES SHALL FOLLOW CONSTRUCTION RULES AND WORK AROUND THE FIRE SPRINKLER.
7. OWNER SHALL PROVIDE ADEQUATE SPACE TO PREVENT PIPING, VALVES, AND DEVICES FROM FREEZING.
8. FIRE SPRINKLER SPARE HEAD BOX SHALL BE PROVIDED AT THE TIME OF NEW FIRE SPRINKLER SYSTEM INSTALLATIONS. (THIS INCLUDES SPARE FIRE SPRINKLERS AND HEAD WRENCH).
9. BRANCH-LINE PIPING SHALL BE SCH. 40 PIPE WITH GROOVED, WELDED, OR THREADED OUTLETS OR FITTINGS. OR SCH. 10 PIPE WITH GROOVED OR WELDED OUTLETS OR FITTINGS. (UNLESS NOTED OTHERWISE).
10. MAIN AND Riser PIPING SHALL BE SCH. 40 PIPE WITH GROOVED, WELDED, OR THREADED OUTLETS OR FITTINGS OR SCH. 10 PIPE WITH GROOVED, OR WELDED OUTLETS OR FITTINGS. (UNLESS NOTED OTHERWISE).
11. MAIN WELDING SHALL BE PERFORMED ON THE SPRINKLER SYSTEM. ALL SHOP WELDING IS TO MEET THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY STANDARD AND OTHER A.S. E. AND A.S. E. STANDARDS.
12. HYDROSTATIC TESTING OF ALL INTERIOR FIRE SPRINKLER PIPING AT 50 PSI ABOVE THE MAXIMUM SYSTEM PRESSURE, OR AT A MINIMUM OF 200 PSI FOR A PERIOD OF 2 HOURS, WHICH EVER IS GREATER. (ON NEW FIRE SPRINKLER SYSTEM INSTALLATIONS).

SPRINKLER DESIGN CRITERIA:	LIGHT HAZARD
BUILDING INFORMATION:	EXISTING STEEL BUILDING
	BUILDING IS FULLY SPRINKLED
NUMBER OF STORIES:	SINGLE STORY
CONSTRUCTION TYPE:	II-B
CLASSIFICATION GROUP:	B-BUSINESS
TENANT SPACE:	18676 SQ/FT
CODE EDITION:	NFPA 13, 2016
SPRINKLER TYPE:	WIRING QUICK RESPONSE 155°F CHROME WIRING QUICK RESPONSE 155°F CHROME SEMI-RECESSED PENDENT SPRINKLER IN GRID CEILING
	7 PSI
MINIMUM FEE SPRINKLER PRESSURE:	13.0' @ APART TOTAL OF 130 SQ/FT
MAXIMUM FEE SPRINKLER SPACING:	6'-0" APART
MINIMUM FEE SPRINKLER SPACING:	WET PIPE SPRINKLER
SYSTEM TYPE:	0 GPM
INSIDE HOSE ALLOWANCE:	250 GPM
OUTSIDE HOSE ALLOWANCE:	
MOST REMOTE AREA:	AREA OF WORK IN NOT IN THE MOST REMOTE AREA
TOTAL SYSTEM SIZE:	SHALL NOT EXCEED 52,000 SQ/FT

KELLER FIRE & SAFETY SHALL PROVIDE THE ARC OF THE OZARKS WITH A FIRE SPRINKLER MODIFICATION, DRAWINGS ARE BASED ON PROPOSAL DATED 4/23/2024 BY CK.

NOT INCLUDED IN PROPOSAL:

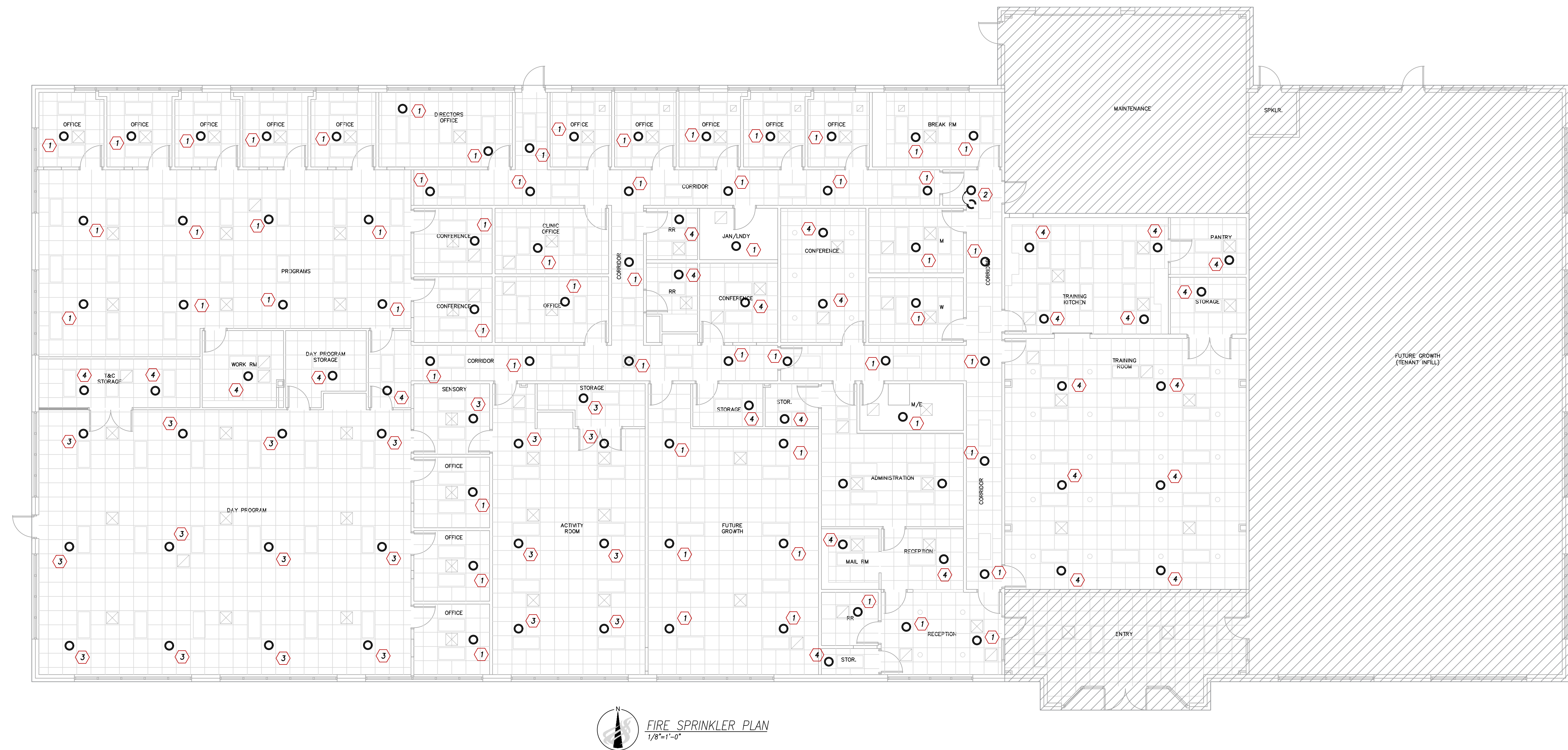
- *MODIFYING OR UPGRADING THE EXISTING FIRE SPRINKLER SYSTEM OUTSIDE OF THE NEW TENANT FINISH.
- *ELECTRICAL AND ALARM WIRING, DEVICES, OR WORK.
- *FIRE EXTINGUISHERS
- *NEW FIRE SPRINKLER WATER SUPPLIES OR UNDERGROUND PIPING.
- *CUTTING AND PATCHING OF WALLS OR CEILINGS.
- *FIRE STOPPING OF SEALING OF WALL, CEILING, OR FLOOR PENETRATIONS.
- *ACCESS PANELS
- *PAINTING OF PIPING AND DEVICES.
- *STANDPIPES OR FIRE PUMPS
- *HYDRAULIC CALCULATIONS OF EXISTING FIRE SPRINKLER SYSTEMS.

7. DRAWINGS ARE SCHEMATIC BY NATURE AND MAY NOT REFLECT FIELD LOCATIONS. AT PROJECT CLOSEOUT, THE INSTALLING CONTRACTOR SHALL SUBMIT ONE SET OF RECORD PRINTS HAVING ALL CHANGES NEATLY TRANSFERRED FROM THE FIELD SET TO A NEW SET(USING RED PENCIL). A CLEAN SET OF SHOP DRAWINGS WILL BE PROVIDED FOR THIS PURPOSE. FINAL PAYMENT WILL NOT BE AUTHORIZED UNTIL THE RECORD DOCUMENTS HAVE BEEN RECEIVED AND APPROVED.

2. HATCHED AREA IS NOT IN SCOPE.

- 1 EXISTING SPRINKLER TO REMAIN. FIELD VERIFY SPRINKLER IS INSTALLED IN CENTER OF 2X2 CEILING TILE USING FLEX HEAD.
- 2 EXISTING SPRINKLER SHALL BE RELOCATED, FIELD VERIFY SPRINKLER IS INSTALLED IN CENTER OF 2X2 CEILING TILE USING FLEX HEAD.
- 3 EXISTING SPRINKLER SHALL BE REPLACED WITH A CONCEALED PENDENT SPRINKLER. FIELD VERIFY SPRINKLER IS INSTALLED IN CENTER OF 2X2 CEILING TILE USING FLEX HEAD.
- 4 NEW PENDENT SPRINKLER SHALL BE INSTALLED IN CENTER OF 2' X 2' FLEX TILE IN TO NEAREST BRANCH LINE.

*THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER AND THE LAST HANGER ON THE LINE SHALL NOT EXCEED 36" FOR 1" PIPE, 48" ON 1 1/4" PIPE, AND 60" FOR 1 1/2" PIPE AND LARGER.



STEEL I-BEAM
OR BAR JOIST

MODEL 300 MICHIGAN
TOP BEAM C-CLAMP
OR EQUAL WITH LOCK NUT

ALL THREAD ROD

PIPE

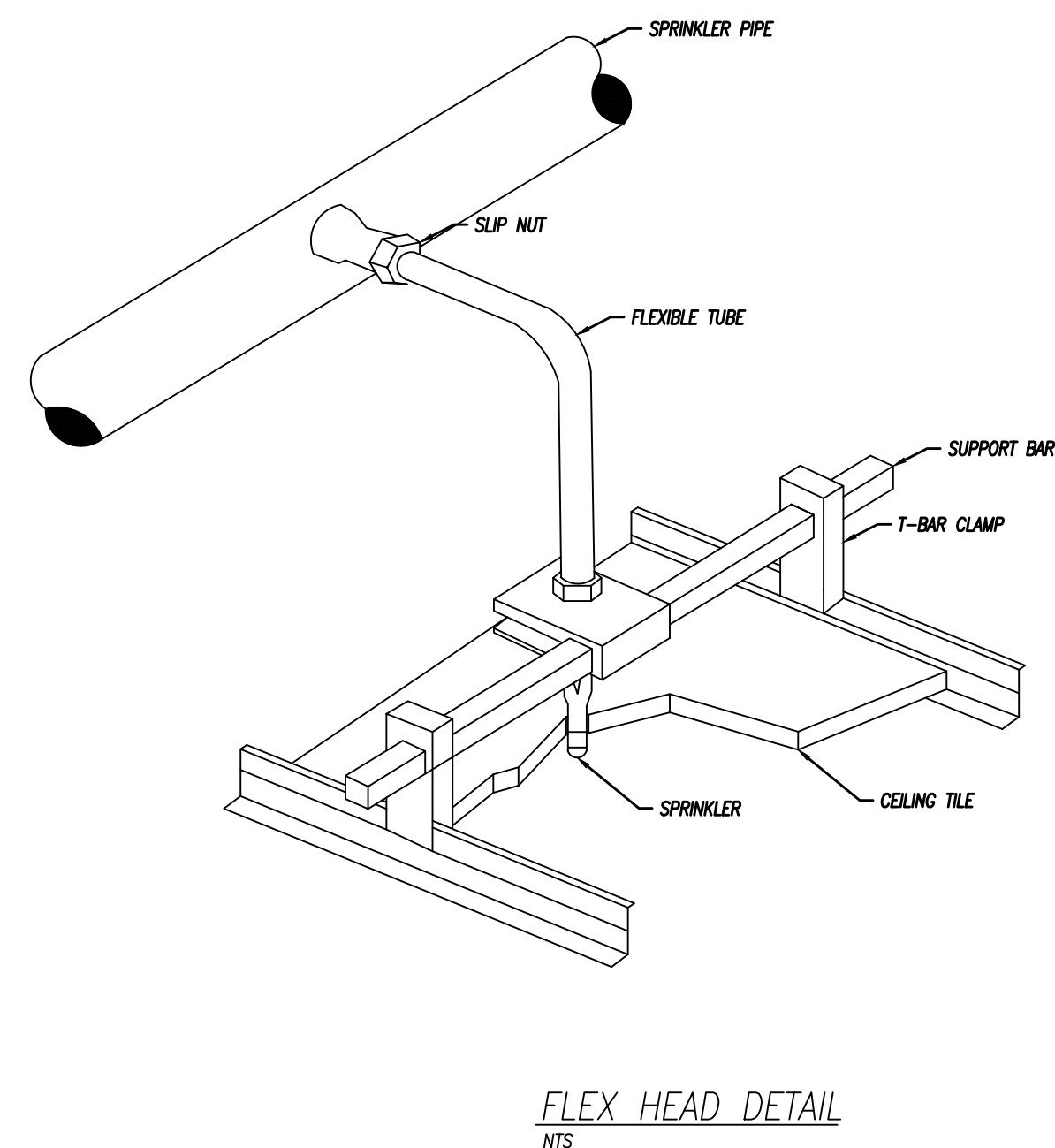
SWIVEL RING

A"

ROUNDED TO THE
NEAREST INCH

HANGER DETAIL

NTS



05/21/2024

05/21/2024

GREGORY P.
GLADFELTER PE

Gregory Godfrazier PE assumes design responsibility for this project for only the fire alarm or special hazards drawings. All other drawings should be considered the work of others. Further, drawings in this project set may contain drawing information, including but not limited to: architectural plans, sections and elevations, area plans and surveys and other information pertaining to showing the fire alarm or special hazards work which is furnished by others, generally indicated by a light type. It is the responsibility of the designer to verify the accuracy and completeness, accuracy or regulatory compliance for work prepared by others even though shown on FATS drawings. Gregory Godfrazier PE assumes responsibility only for the design of fire alarm or special hazards discipline contained herein, generally indicated in bold type.

THE ARC OF THE OZARKS
500 NE COLBERN RD
LEE'S SUMMIT, MO 64086

FIRE SPRINKLER MODIFICATION

FIRE SPRINKLER PLAN

FS100
1 OF 1 SHEETS

FILE: 5-24-0066