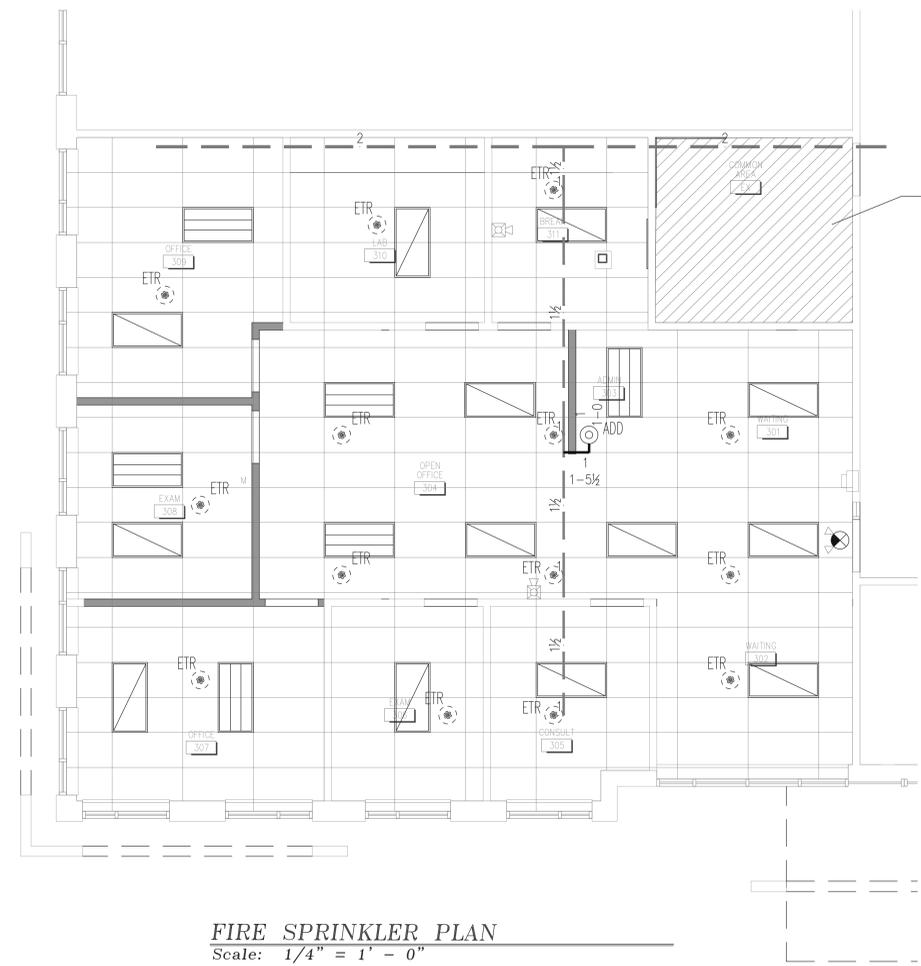




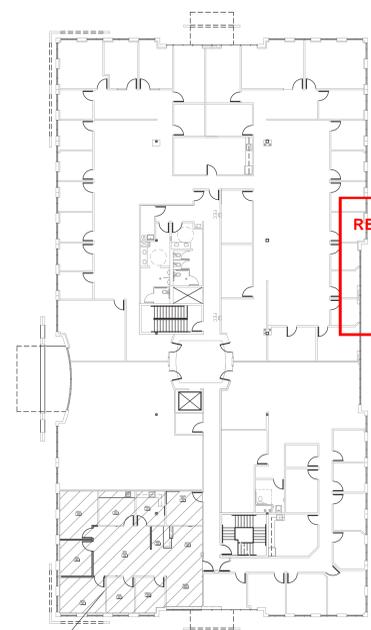
10324 W. 79th Street
Shawnee, Kansas 66214
(913) 390-1105 FAX (913) 390-1109



GENERAL
FIRE SPRINKLER COMPANY, LLC



FIRE SPRINKLER PLAN
Scale: 1/4" = 1' - 0"



KEY PLAN
Scale: N.T.S.

RELEASED FOR CONSTRUCTION
As Noted on Plan Review
Lee's Summit Fire Department
Lee's Summit, Missouri
01/30/2024



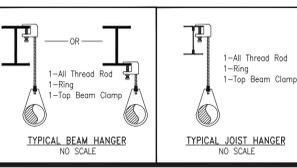
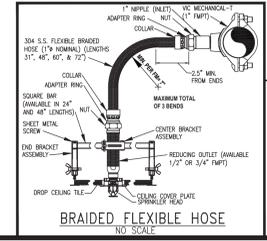
Digitally signed by Michael A Panethiere
Date: 2024.01.16 12:27:51 -0600

GENERAL NOTES:

- CONSTRUCTION TYPE - TYPE II-B
- OCCUPANCY TYPE - B
- EXISTING CONDITIONS - EXISTING SPRINKLER SYSTEM TO REMAIN.
- SCOPE - MODIFY EXISTING SPRINKLER SYSTEM TO PROPERLY PROTECT NEW REMODELED PORTION OF BUILDING PER NFPA 2018 IBC. SUPPLY NEW SPRINKLER SYSTEM FROM EXISTING OVERHEAD SYSTEM.
- DESIGN - NEW SPRINKLER MODIFICATIONS WILL BE EQUAL OR LESS TO EXISTING SPRINKLER DEMAND, THEREFORE NO NEW HYDRAULICS WILL BE NECESSARY OR PROVIDED. ALL NEW PIPING TO BE SIZED SIMILAR TO EXISTING
- MATERIALS - ALL MATERIAL, PIPES AND HANGERS TO BE IN ACCORDANCE WITH NFPA 13 ALL PIPE TO BE SCH 10/SCH 40, ALL FITTINGS TO BE DUCTILE IRON SCREWED/ CAST IRON GROOVED HANGERS SHALL BE SPACED IN ACCORDANCE WITH NFPA 13
- SPECIAL INSTRUCTIONS - IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE ADEQUATE HEAT (40°F) TO PREVENT SYSTEM FROM FREEZING IN WET PIPE AREA. FIRE EXTINGUISHERS AND CABINETS BY OTHERS. ELECTRICAL WIRING BY OTHERS. ALARM CONNECTIONS BY OTHER. ALL CONTROL VALVES TO BE EQUIPPED WITH TAMPER SWITCHES. TAMPER & FLOW SWITCHES TO BE WIRED TO ALARM PANEL PER NFPA 72.

DESIGN CRITERIA:
PER NFPA 13, 2016 EDITION
LIGHT HAZARD
0.10 GPM/S.F. FOR 1500 S.F.
MAXIMUM 225 S.F. SPRINKLER SPACING
100 GPM HOSE ALLOWANCE

MAXIMUM DISTANCE BETWEEN HANGERS												
NOMINAL PIPE SIZE (in.)	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	8"
STEEL PIPE EXCEPT THREADED LIGHTWALL	N/A	12-0	12-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0	15-0
THREADED LIGHTWALL STEEL PIPE	N/A	12-0	12-0	12-0	12-0	12-0	12-0	N/A	N/A	N/A	N/A	N/A



REWORK EXISTING SPRINKLER HEADS AND BRANCH LINES TO COMPLY WITH NFPA 13, STATE AND LOCAL REQUIREMENTS

LEGEND	
SYMBOL	DESCRIPTION
ETR	EXISTING SPRINKLER TO REMAIN
RELOC	EXISTING SPRINKLER TO BE RELOCATED/REPLACED
ETR	EXISTING RISER PIPE TO REMAIN
SP	FIRE SPRINKLER STANDPIPE
PC	POINT OF CONNECTION
NEW	NEW SPRINKLER LINE
EXIST	EXISTING SPRINKLER LINE
H	HANGER LOCATION
PCAP	PIPE END CAP

Revision	Contract No.	Drawn By	Scale	Date	Approval By
1	AS NOTED	AS NOTED	AS NOTED	01/14/2024	City /Owner

Symbol	Description
ETR	EXISTING SPRINKLER TO REMAIN
RELOC	EXISTING SPRINKLER TO BE RELOCATED/REPLACED
ETR	EXISTING RISER PIPE TO REMAIN
SP	FIRE SPRINKLER STANDPIPE
PC	POINT OF CONNECTION
NEW	NEW SPRINKLER LINE
EXIST	EXISTING SPRINKLER LINE
H	HANGER LOCATION
PCAP	PIPE END CAP