

RELEASED FOR CONSTRUCTION
As Noted on Plan Review

Lee's Summit Fire Department
Lee's Summit, Missouri

11/05/2025

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

GENERAL NOTES:

ALL FITTINGS CONFORM TO SECTION 2-4 OF NFPA PARAPH 13.
VALVES ON CONNECTIONS TO WATER SUPPLIES, SECTIONAL CONTROL VALVES AND OTHER VALVES IN SUPPLY PIPES TO SPRINKLERS SHALL BE SUPERVISED OPEN BY AN APPROVED METHOD.
IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE ADEQUATE HEAT TO KEEP THE SPRINKLER SYSTEM FROM FREEZING.
ALL ELECTRICAL WIRING OF ALARM BELLS, FLOW SWITCHES AND TAMPER SWITCHES (IF REQUIRED) TO BE DONE BY OTHERS.
THE SPRINKLER SYSTEM TO BE INSTALLED IN ACCORDANCE WITH NFPA 13.
HANGERS TO BE SPACED TO MEET NFPA REQUIREMENTS
ALL PIPING SIZED SIMILAR TO EXISTING
EXISTING PIPING TO REMAIN
ALL HEADS TO BE RELOCATED TO UPRIGHTS
PER NFPA 13, SECTION 8.6.3.2.4, WITHIN SMALL ROOMS AS DEFINED IN SECTION 8.3.20, SPRINKLERS SHALL BE PERMITTED TO BE LOCATED NOT MORE THAN 9 FT. FROM ANY SINGLE WALL, AND SPRINKLER SPACING LIMITATIONS OF SECTION 8.6.3 AND AREA LIMITATIONS OF TABLE 8.6.2.2.1(4) SHALL NOT BE EXCEEDED. ABSOLUTE MAY MODIFY HEADS SHOWN ON THIS DRAWING TO COMPLY WITH THIS RULE.
CALCS NOT NEEDED DUE TO NO WORK IN REMOTE AREA
CL = CENTER LINE OF PIPE BELOW TOP OF STEEL
EL = CENTER LINE OF PIPE ABOVE FINISHED FLOOR

DESIGN CRITERIA:

BUILDING CODE: 2018 IRC
OCCUPANCY TYPE: I
CONSTRUCTION TYPE: 2-B
OFFICES, BATHROOMS AND HALLWAYS
PER NFPA 13, 2016 EDITION:
ORDINARY HAZARD GROUP I
LIGHT HAZARD
MAX. 220 S.F. SPRINKLER SPACING

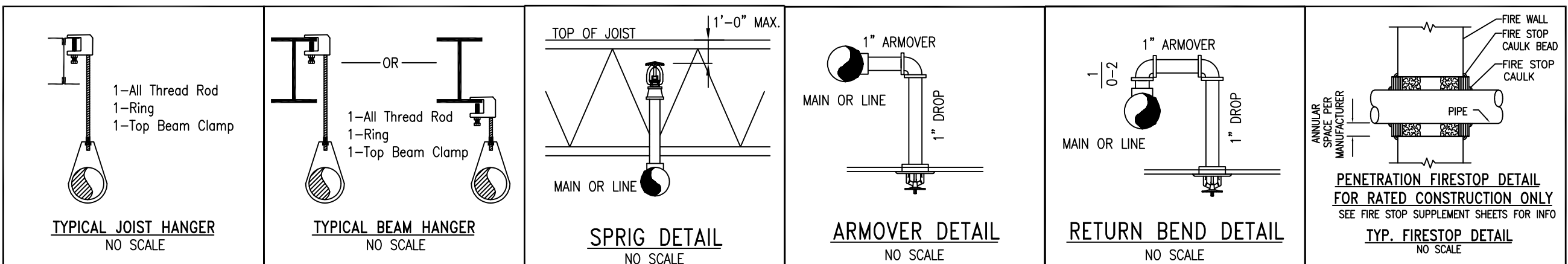
STORAGE SALES
PER NFPA 13, 2016 EDITION:
ORDINARY HAZARD GROUP I
MAX. 130 S.F. SPRINKLER SPACING

CONSTRUCTION:

PLAN NOTES:

STEEL BEAM AND STEEL BAR JOISTS

- ALL GROOVED MAIN PIPING IS TO BE SCHED. 40 PIPE OR CPVC
- ALL GROOVED BRANCHLINE PIPING TO BE CPVC PLASTIC
- ALL THREADED PIPING TO BE SCH. 40 PIPE
- ALL FITTINGS TO BE DUCTILE IRON



10/24/2025

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HANGER SPACING TABLE

NOMINAL PIPE SIZE	3"	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"	N/A	N/A	N/A	N/A	N/A	N/A
COPPER TUBE	8'-0"	8'-0"	10'-0"	10'-0"	12'-0"	12'-0"	12'-0"	15'-0"	15'-0"	15'-0"	15'-0"	15'-0"
CPVC	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"	9'-0"	10'-0"	N/A	N/A	N/A	N/A	N/A

General Notes

- All Pipe Locations are to be Field Measured Prior to Fabrication and Installation by Sprinkler Contractor.
- All Pipe Dimensions Shown are Center to Center.
- High Temperature Heads are to be Field Located Where Required.
- All Pipe and Hangers are to be Installed per NFPA 13.
- Hangers are to be U.L. Listed and F.A. Approved.

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