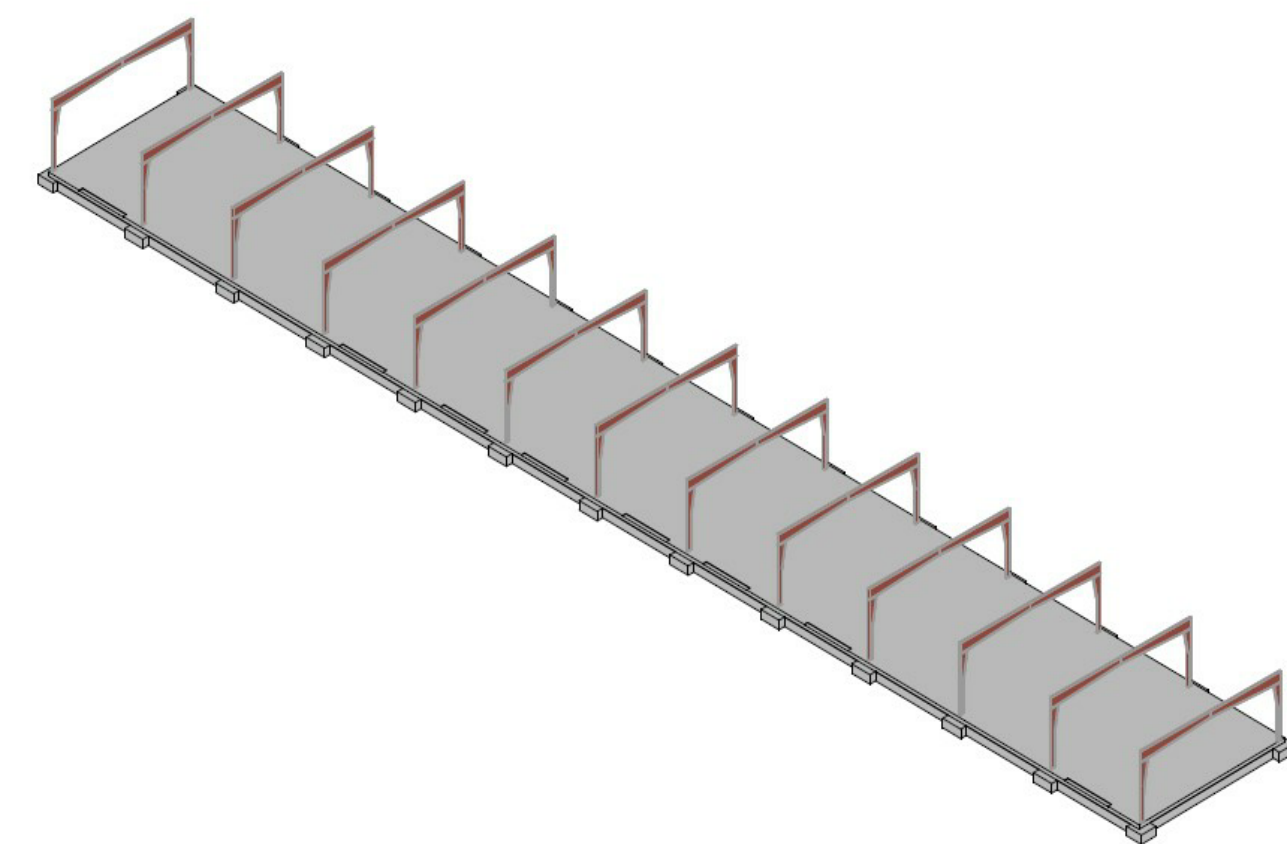
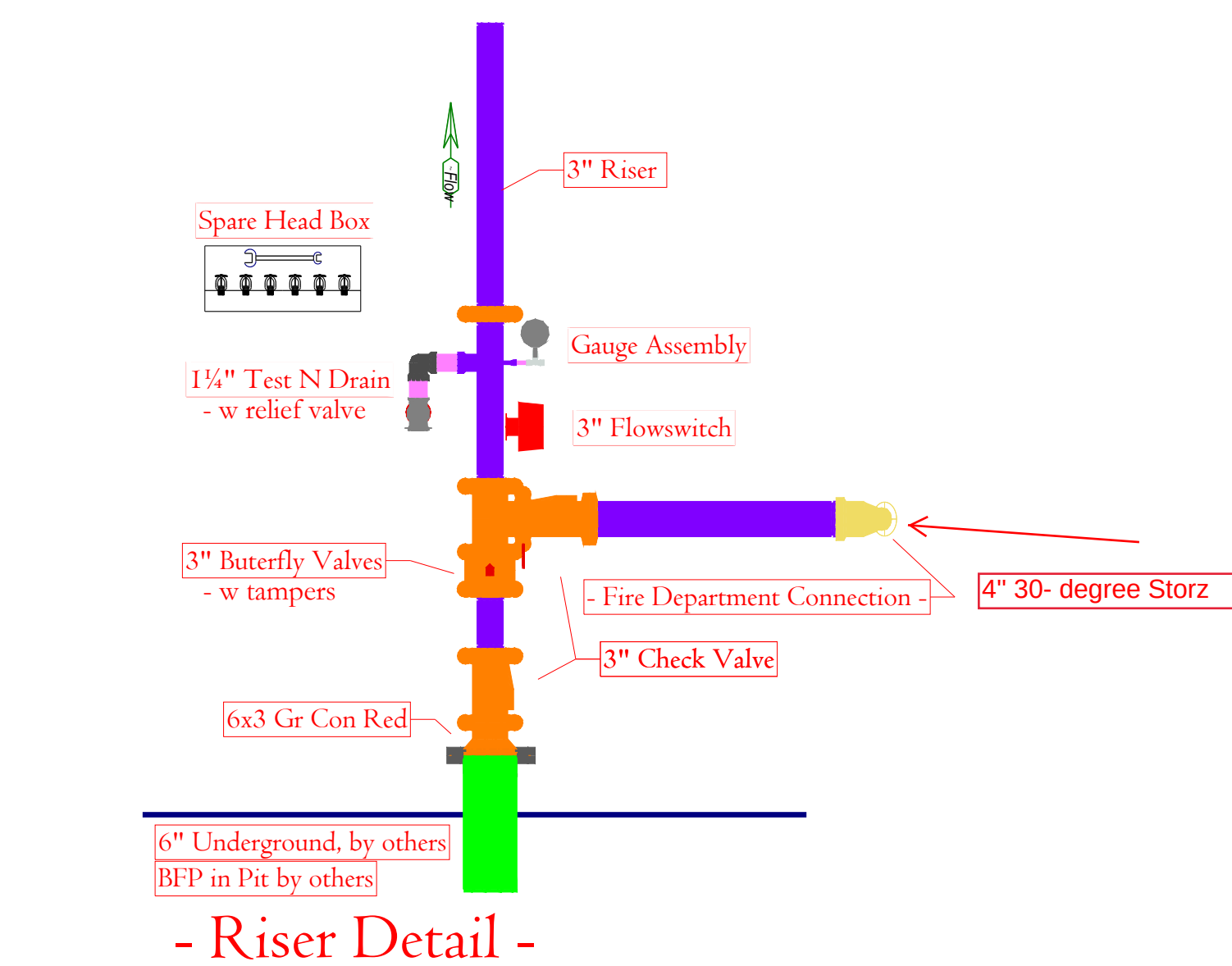
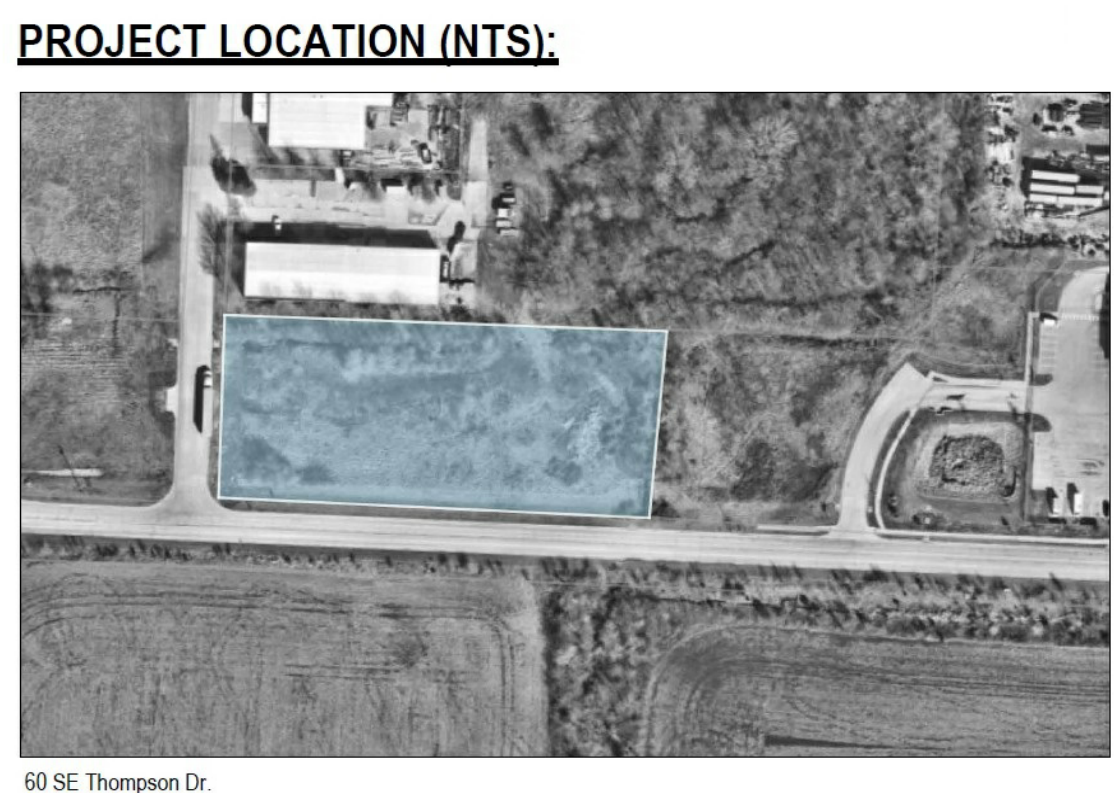


Hydraulic Information	
OCCUPANCY CLASSIFICATION	Ordinary Group II
DENSITY (gpm/ft ³)	0.20 for 1069ft ² (Actual 1173ft ²)
TOTAL HOSE STREAMS	250.00
TOTAL HEADS FLOWING	10
K-FACTOR	5.6
TOTAL WATER REQUIRED	502.37
TOTAL PRESSURE REQUIRED	66.722
SAFETY MARGIN (psi)	+7.500 (10.1%)

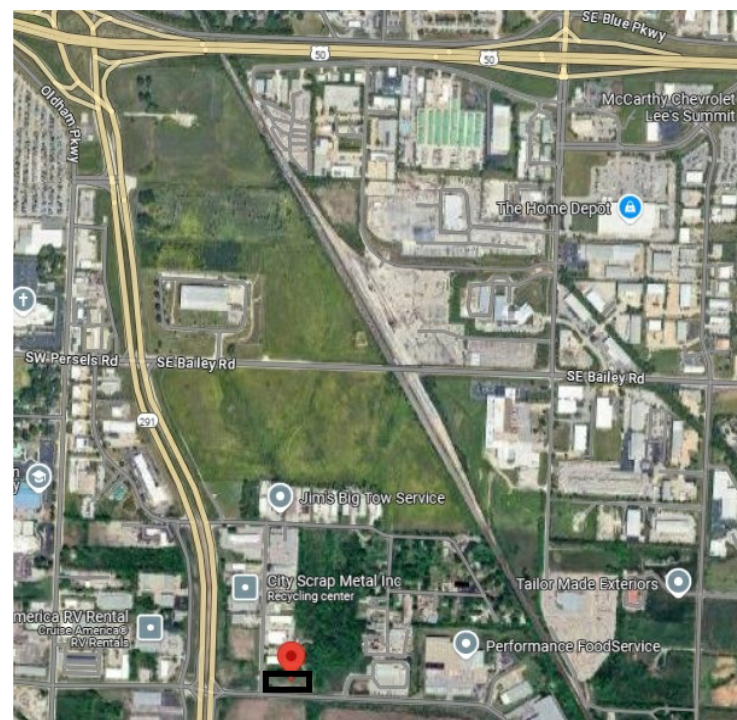


1 BUILDING B - ISOMETRIC VIEW

This Building is of Steel Beam & Z-Purlin Construction.
Non-Combustible / Unobstructed Construction



PROJECT LOCATION (NTS):

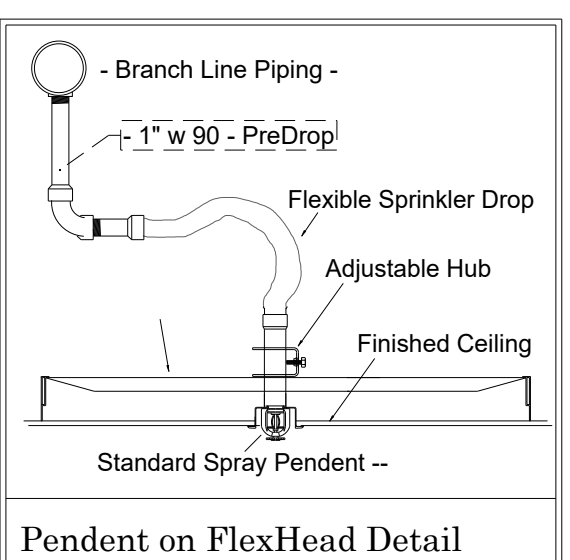
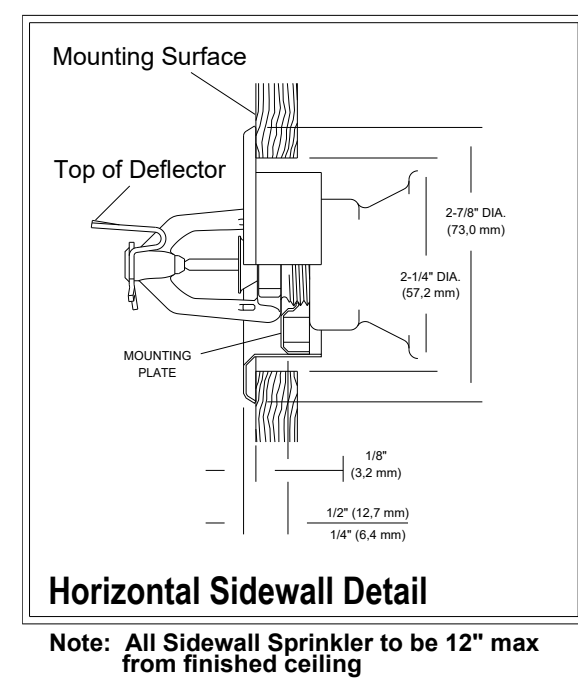
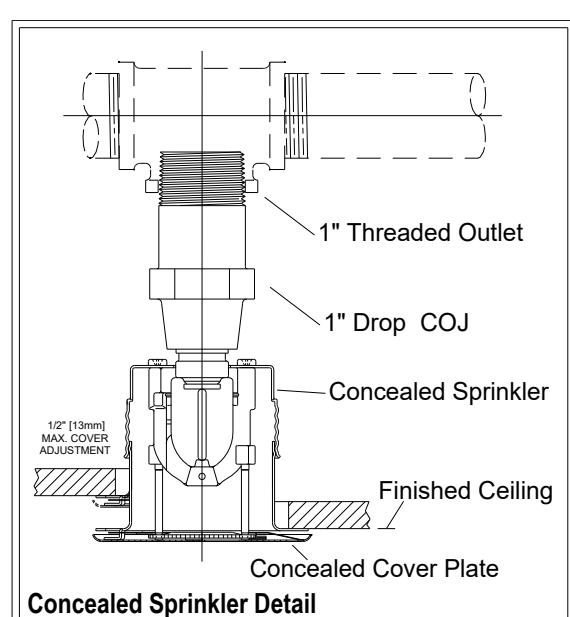
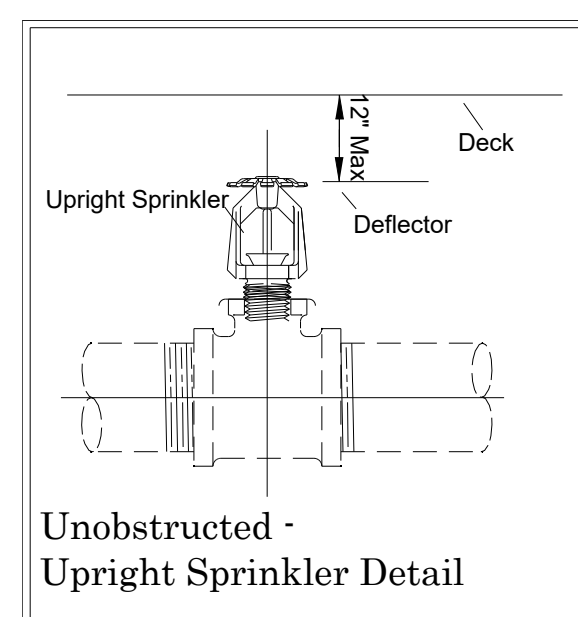
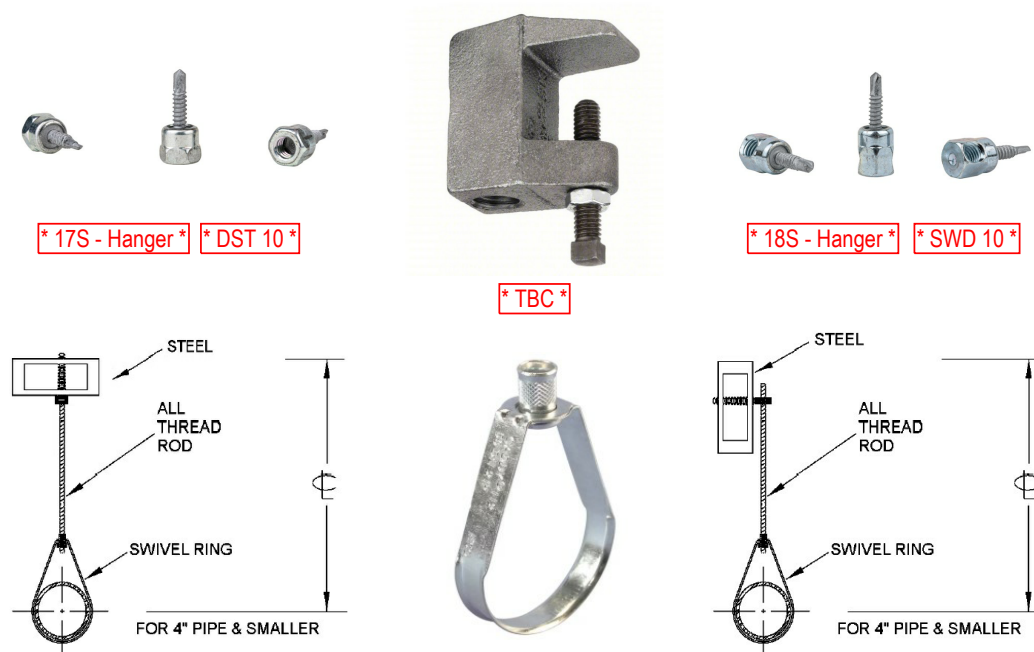


- Vicinty Map -

Hanger No. 01S
Top Beam C-Clamp

Hanger Schedule for Steel Pipe

Pipe Size	Max Hanger Spacing
1 1/4"	12'-0"
1 1/2"	12'-0"
2"	12'-0"
2 1/2"	15'-0"
3"	15'-0"
4"	15'-0"
6"	15'-0"
8"	15'-0"



RELEASED FOR CONSTRUCTION
As Noted on Plan Review

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

06/17/2025

Sprinkler Legend - 03 Floor											
Symbol	SIN	Model	Qty	-K-	Type	Size	Response	Finish	Temp	Note	Note2
	VK4621	QR-SSP	9	5.6	Pendent	½	Quick	Chrome	175°F	Concealed	Viking
	VK3001	QR-HSW	96	5.6	Upright	½	Quick	Brass	175°F		Viking
	VK305	QR-HSW	8	5.6	Horizontal Sidewall	½	Quick	Brass	175°F		Viking
			Total = 113								

ABBREVIATIONS & SYMBOLS

ATC - ABOVE-THE-REINFORCED
BTB - BOTTOM OF CONCRETE DECK
T6 & T8 - TOP OF STEEL (ROOF PLAIN)
AT - ABOVE-THE-DECK
DIP - DITCH, IRON PIPE
CL - CAST IRON
G.V. - IRON DIP CONNECTION
G.C.V.D. - GROUVED
G.S.V. - GROUVED
G.S.V. - WELD-BED GROUVED OUTLET
MT - MECHANICAL TIE
P.A. - PULTRUDED ALUMINUM OUTLET
C.R. - REDUCER COUPLING
RED - RED CTR
T.A. - TIE, THREADED
VL - VALVE
R.B. - RIBS OF ROOF
FM - FEED MAIN
LM - LIFT/ROUND END
R. - RING JOINT
C.M. - CROSS MAIN
SP - SPONGE
DIP - DITCH
SSP - STANDARD SPRAY URETHANE
SSP - STANDARD SPRAY PENT
H.W. - HORIZONTAL SIDE WALL
QR - QUICK RESPONSE
T.C. - EXTENDED COVERAGE
R. - RAKE JOINT
T.C. - TRAP COVERAGE (1/4" MAX)
ATL - ALL THREADED ROD

15 HYDRAULIC REFERENCE NOTE:

GENERAL NOTES

1. This design is based upon the owner's acceptance of NFPA 13 - 2016 for installation and NFPA 25 for maintenance of this fire protection system.
2. All above ground Threaded piping to be Sch 40 or equal.
All above ground Grooved piping to be Sch 10 equal.
3. All sprinkler material to comply w/ local requirements & applicable NFPA Standards.
4. Continuous central monitoring of sprinkler systems per NFPA 72 to be by others.
6. All electrical wiring to be by others.
7. All underground piping to be by others.
8. All painting of sprinkler pipe to be by others.
9. All patching and/or painting of penetrated drywall & masonry walls to be by others.
10. Building to be provided with adequate heat to prevent piping from freezing.
11. All marking or labeling of sprinkler piping to be by others.

REVIEWING AUTHORITY LS Codes
SCALE 1/8" = 1'-0
DRAWN BY JJR
DATE DRAWN -02-27-2025-
CONTRACT NUMBER NC-1461
DRAWING NUMBER FP.1

- Fire Protection Plan - Building B

- Submittal

Lee's Summit Flex Spaces
60 SE Thompson Dr
Lee's Summit, MO 64082

- Capitol Construction -

Fire Protection Plan



Alliance Fire Protection

1201 N. 26TH AVE.
SUITE 121
NORTH KANSAS CITY, MO 64115
PHONE (313) 888-0647
FAX (313) 888-0515